

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089257.D
 Acq On : 24 Jul 2016 3:34
 Operator : UM/SJ
 Sample : H4129-02MSD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Quant Time: Jul 25 01:16:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	49810	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	201902	20.00	ng	-0.01
38) Acenaphthene-d10	9.61	164	91182	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	156237	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	91854	20.00	ng	-0.02
86) Perylene-d12	15.05	264	93473	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	436168	133.18	ng	-0.01
7) Phenol-d6	6.25	99	577152	136.65	ng	-0.02
23) Nitrobenzene-d5	7.15	82	340398	89.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	96461	117.50	ng	-0.01
44) 2-Fluorobiphenyl	8.95	172	574729	86.85	ng	-0.02
78) Terphenyl-d14	12.66	244	405985	95.87	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.07	88	53260	37.45	ng	94
3) Pyridine	2.68	79	138867	38.44	ng	98
4) n-Nitrosodimethylamine	2.66	42	64295	42.28	ng	97
6) Aniline	6.25	93	141178	24.74	ng	# 59
8) 2-Chlorophenol	6.36	128	168198	46.28	ng	# 80
9) Benzaldehyde	6.12	77	33852	12.80	ng	98
10) Phenol	6.26	94	234488	48.19	ng	99
11) bis(2-Chloroethyl)ether	6.33	93	179983	49.25	ng	95
12) 1,3-Dichlorobenzene	6.51	146	163171	40.66	ng	97
13) 1,4-Dichlorobenzene	6.59	146	175684	43.47	ng	99
14) 1,2-Dichlorobenzene	6.75	146	177304	46.53	ng	99
15) Benzyl Alcohol	6.74	79	150947	48.80	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.88	45	192049	46.12	ng	# 56
17) 2-Methylphenol	6.87	107	137032	47.87	ng	98
18) Hexachloroethane	7.08	117	62735	41.29	ng	97
19) n-Nitroso-di-n-propylamine	7.02	70	129735	46.96	ng	96
20) 3+4-Methylphenols	7.03	107	181714	46.76	ng	94
22) Acetophenone	7.00	105	254122	47.13	ng	100
24) Nitrobenzene	7.18	77	189257	47.22	ng	94
25) Isophorone	7.42	82	339684	48.50	ng	99
26) 2-Nitrophenol	7.50	139	81708	43.71	ng	# 76
27) 2,4-Dimethylphenol	7.54	122	138784	44.07	ng	100
28) bis(2-Chloroethoxy)methane	7.63	93	206108	47.05	ng	99
29) 2,4-Dichlorophenol	7.74	162	136502	48.10	ng	96
30) 1,2,4-Trichlorobenzene	7.82	180	144185	45.89	ng	99
31) Naphthalene	7.88	128	489085	44.88	ng	99
32) Benzoic acid	7.66	122	16193	6.69	ng	# 90
33) 4-Chloroaniline	7.95	127	86635	18.91	ng	95
34) Hexachlorobutadiene	8.01	225	76814	43.93	ng	99
35) Caprolactam	8.33	113	41739	47.36	ng	99
36) 4-Chloro-3-methylphenol	8.46	107	163195	47.72	ng	92
37) 2-Methylnaphthalene	8.58	142	323218	46.51	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.75	216	126290	37.26	ng	99
40) Hexachlorocyclopentadiene	8.73	237	35169	36.17	ng	98

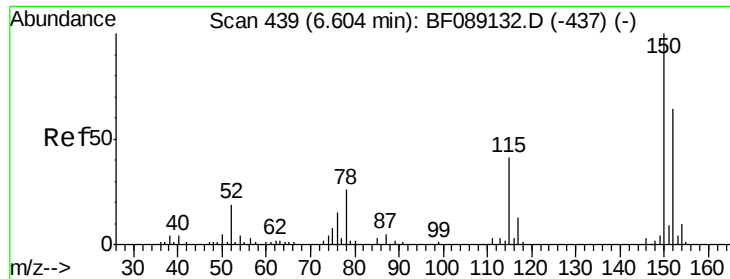
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089257.D
 Acq On : 24 Jul 2016 3:34
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.87	196	83048	43.78	ng	98
43) 2,4,5-Trichlorophenol	8.91	196	100031	52.54	ng #	87
45) 1,1'-Biphenyl	9.05	154	371532	45.24	ng	95
46) 2-Chloronaphthalene	9.06	162	279039	44.72	ng	98
47) 2-Nitroaniline	9.18	65	100620	47.01	ng #	81
48) Acenaphthylene	9.47	152	417787	42.59	ng	100
49) Dimethylphthalate	9.36	163	532418	76.09	ng	98
50) 2,6-Dinitrotoluene	9.42	165	69172	43.79	ng #	54
51) Acenaphthene	9.64	154	246411	42.46	ng	99
52) 3-Nitroaniline	9.59	138	56421	30.08	ng	90
53) 2,4-Dinitrophenol	9.70	184	8695	18.17	ng #	71
54) Dibenzofuran	9.82	168	375632	47.90	ng	97
55) 4-Nitrophenol	9.77	139	73876	65.09	ng #	83
56) 2,4-Dinitrotoluene	9.83	165	89735	44.10	ng #	68
57) Fluorene	10.16	166	287331	43.17	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.94	232	66036	48.29	ng	97
59) Diethylphthalate	10.06	149	359209	51.78	ng	97
60) 4-Chlorophenyl-phenylether	10.16	204	141886	46.69	ng #	84
61) 4-Nitroaniline	10.20	138	70904	38.84	ng	93
62) Azobenzene	10.32	77	377322	50.04	ng	89
64) 4,6-Dinitro-2-methylphenol	10.23	198	15540	17.09	ng #	46
65) n-Nitrosodiphenylamine	10.28	169	269606	51.63	ng	99
66) 4-Bromophenyl-phenylether	10.64	248	77116	49.88	ng #	87
67) Hexachlorobenzene	10.71	284	78723	47.34	ng #	86
68) Atrazine	10.81	200	74313	45.51	ng	97
69) Pentachlorophenol	10.90	266	65212	85.00	ng	98
70) Phenanthrene	11.11	178	410220	47.86	ng	99
71) Anthracene	11.16	178	442883	49.72	ng	99
72) Carbazole	11.33	167	376764	48.15	ng	100
73) Di-n-butylphthalate	11.67	149	519726	53.70	ng	98
74) Fluoranthene	12.29	202	387092	42.97	ng	98
76) Benzidine	12.42	184	160163	50.72	ng	98
77) Pyrene	12.51	202	374765	49.40	ng	100
79) Butylbenzylphthalate	13.14	149	161581	50.35	ng	89
80) Benzo(a)anthracene	13.70	228	276464	47.26	ng	99
81) 3,3'-Dichlorobenzidine	13.67	252	83179	42.86	ng	97
82) Chrysene	13.74	228	287114	51.38	ng	100
83) Bis(2-ethylhexyl)phthalate	13.71	149	232853	54.71	ng #	95
84) Di-n-octyl phthalate	14.32	149	382006	54.39	ng	100
85) Indeno(1,2,3-cd)pyrene	16.27	276	247488	60.98	ng	100
87) Benzo(b)fluoranthene	14.72	252	545096	80.51	ng	96
88) Benzo(k)fluoranthene	14.72	252	545096	112.59	ng #	96
89) Benzo(a)pyrene	15.01	252	264172	50.26	ng #	93
90) Dibenzo(a,h)anthracene	16.29	278	204911	49.38	ng #	96
91) Benzo(g,h,i)perylene	16.64	276	197078	47.10	ng	100

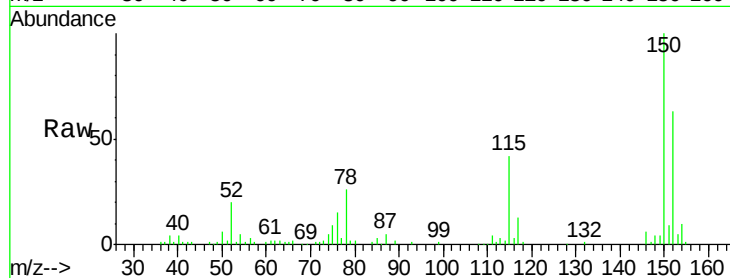
(#) = qualifier out of range (m) = manual integration (+) = signals summed



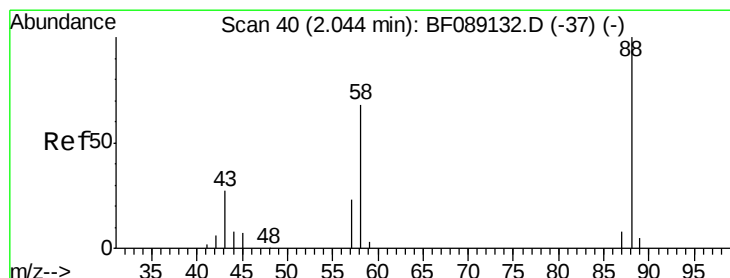
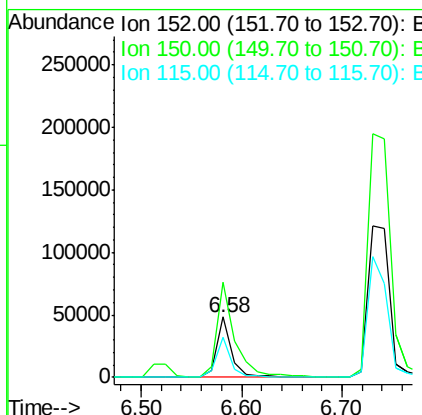
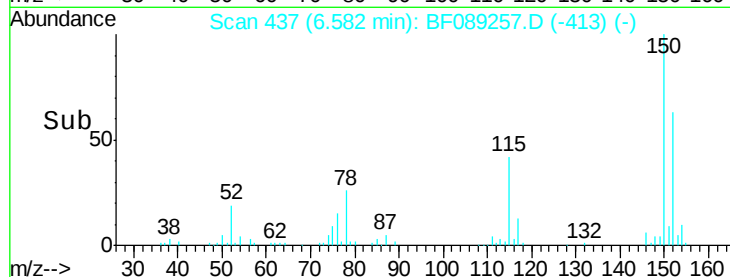
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion: 152 Resp: 49810
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.1 187.7
 115 65.5 51.1 76.7

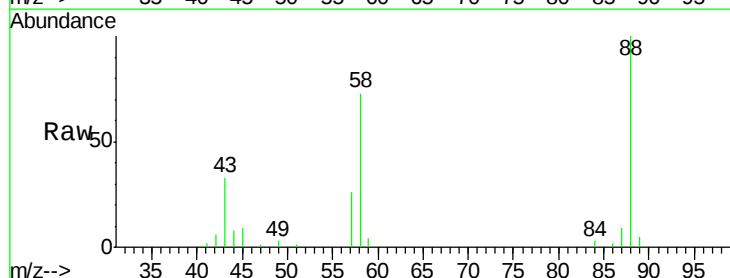


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

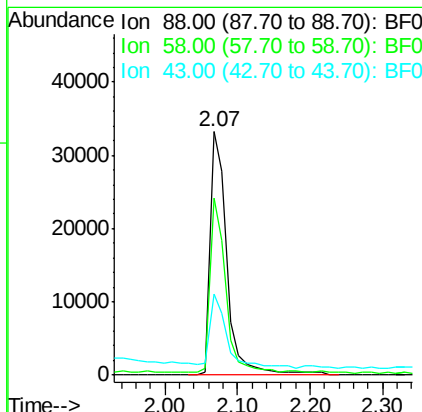
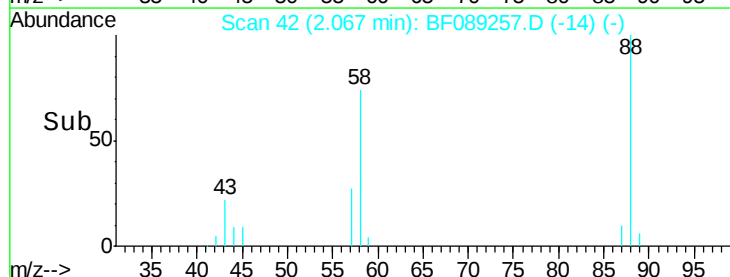


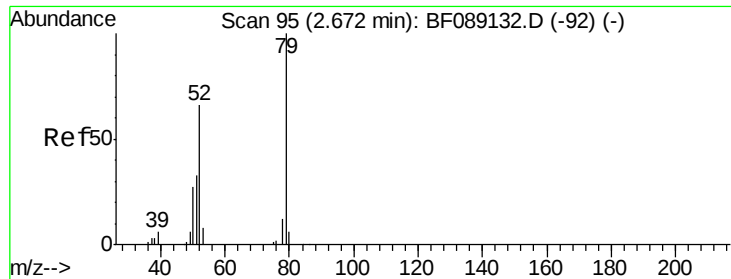
#2
 1,4-Dioxane
 Concen: 37.45 ng
 RT: 2.07 min Scan# 42
 Delta R.T. 0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion: 88 Resp: 53260
 Ion Ratio Lower Upper
 88 100
 58 65.5 49.2 73.8
 43 30.0 20.6 30.8



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 38.44 ng

RT: 2.68 min Scan# 96

Delta R.T. 0.01 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

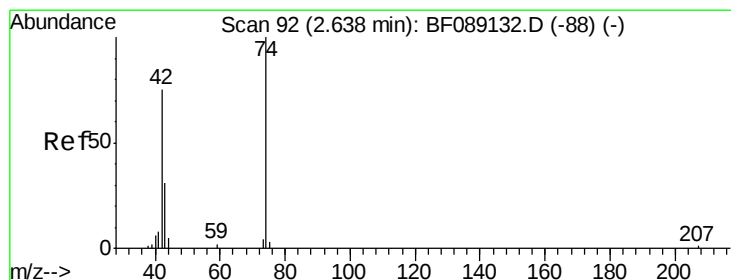
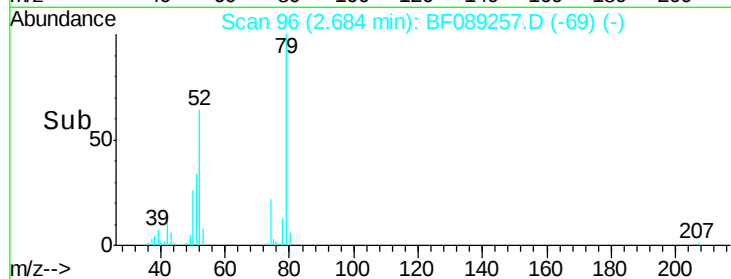
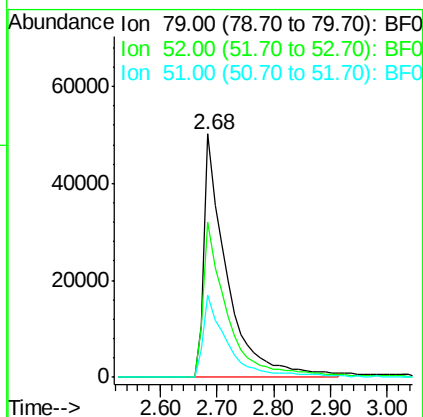
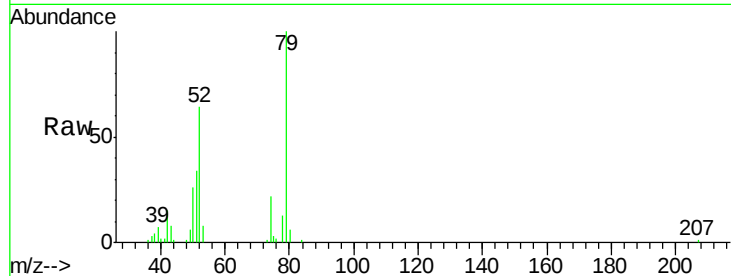
Tgt Ion: 79 Resp: 138867

Ion Ratio Lower Upper

79 100

52 64.0 52.9 79.3

51 34.1 27.0 40.6



#4

n-Nitrosodimethylamine

Concen: 42.28 ng

RT: 2.66 min Scan# 94

Delta R.T. 0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

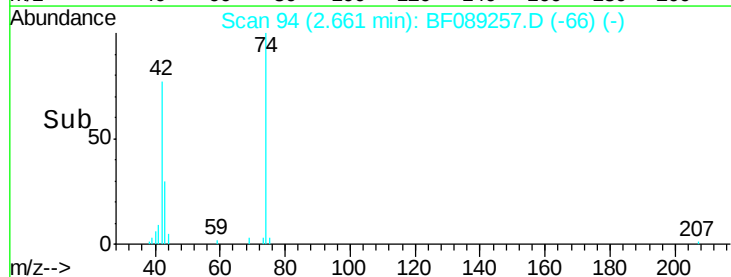
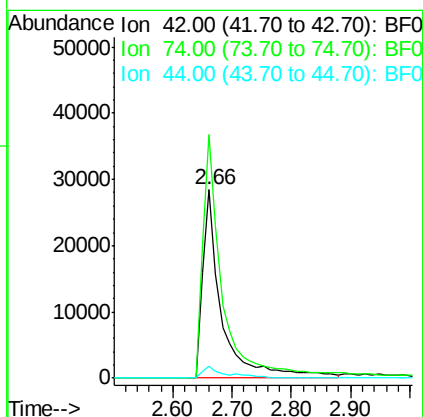
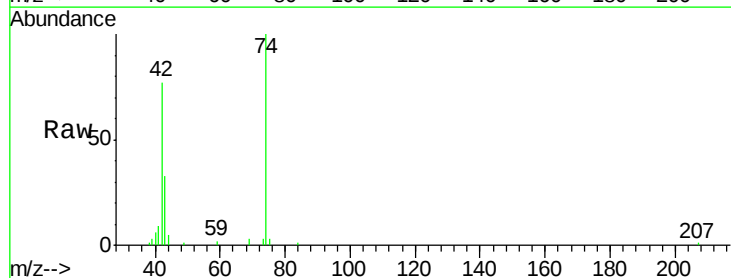
Tgt Ion: 42 Resp: 64295

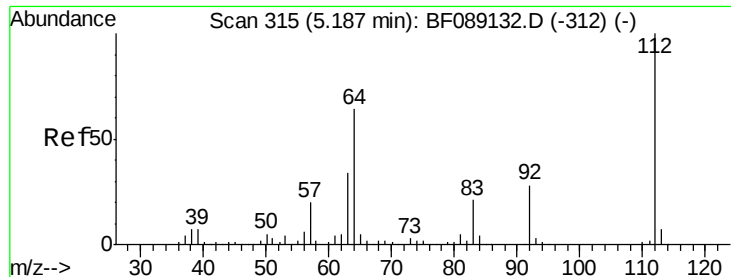
Ion Ratio Lower Upper

42 100

74 129.1 106.4 159.6

44 6.6 5.2 7.8





#5

2-Fluorophenol

Concen: 133.18 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.01 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

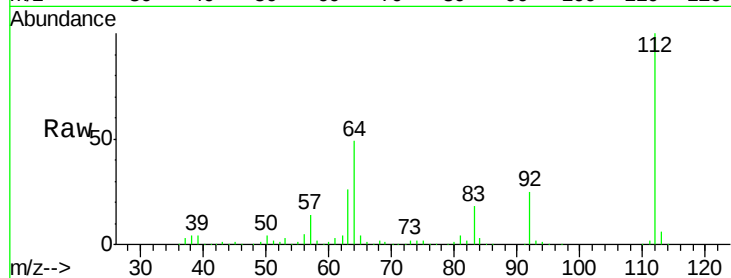
Tgt Ion: 112 Resp: 436168

Ion Ratio Lower Upper

112 100

64 48.5 51.0 76.4#

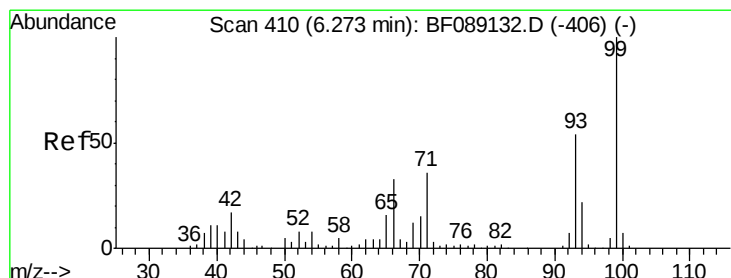
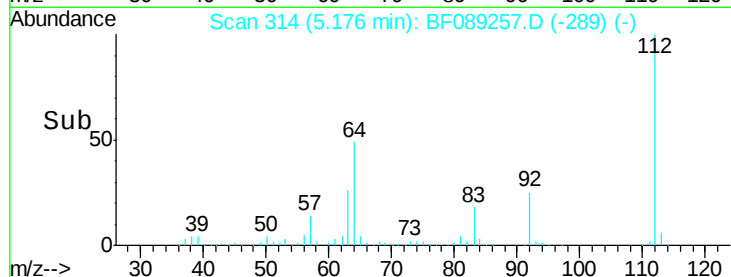
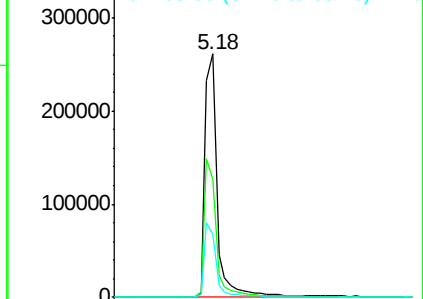
63 25.9 27.3 40.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 24.74 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

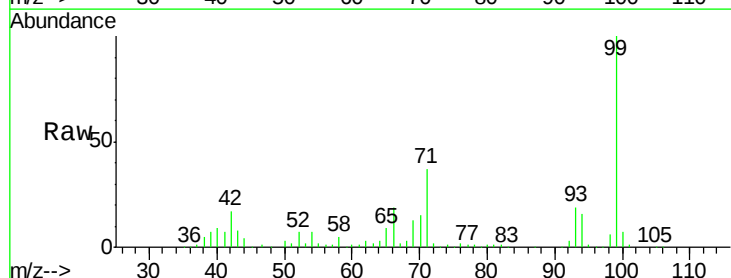
Tgt Ion: 93 Resp: 141178

Ion Ratio Lower Upper

93 100

66 96.6 48.9 73.3#

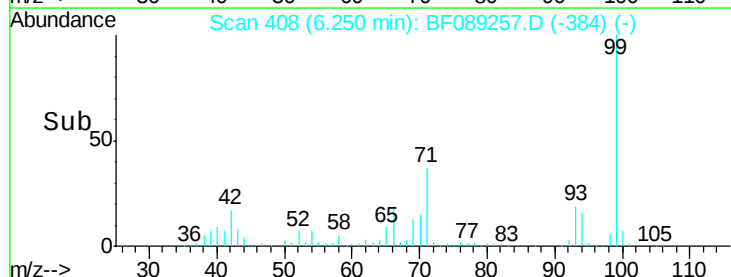
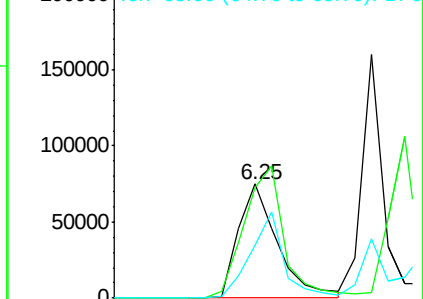
65 46.1 23.9 35.9#

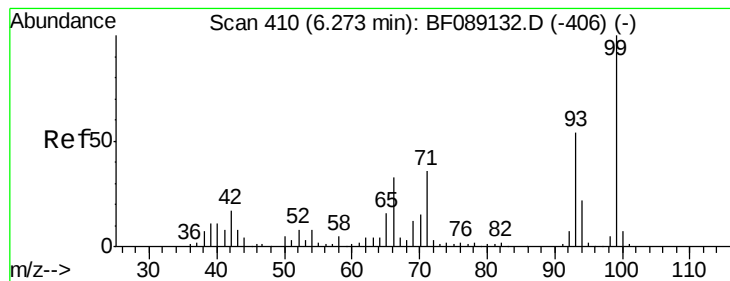


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 136.65 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089257.D

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KMW-02-4.5-6.0MSD

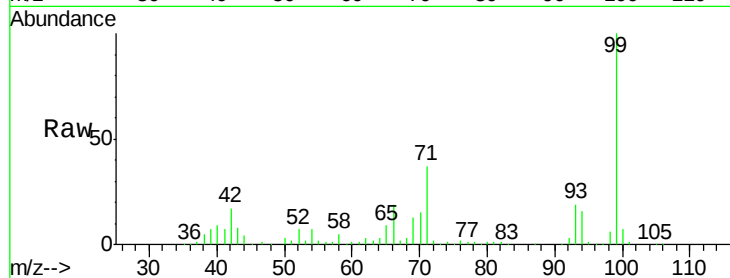
Tgt Ion: 99 Resp: 577152

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

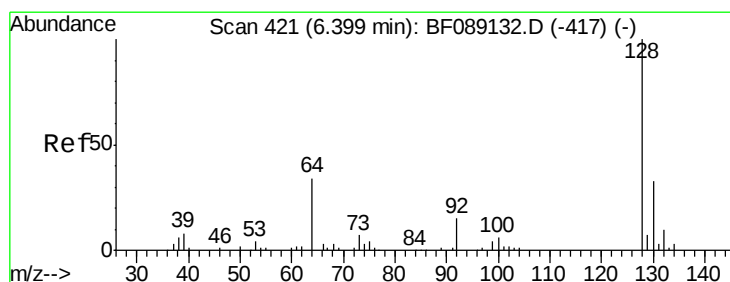
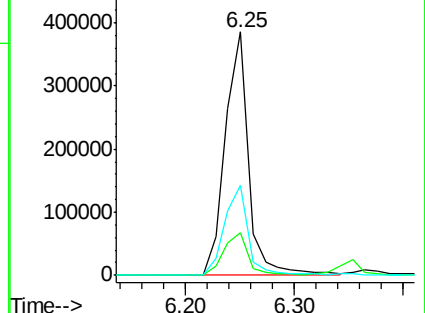
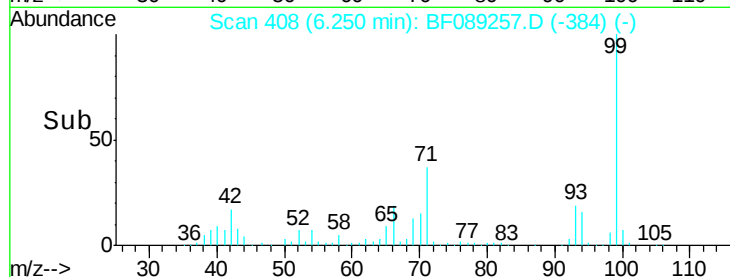
71 36.7 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 46.28 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

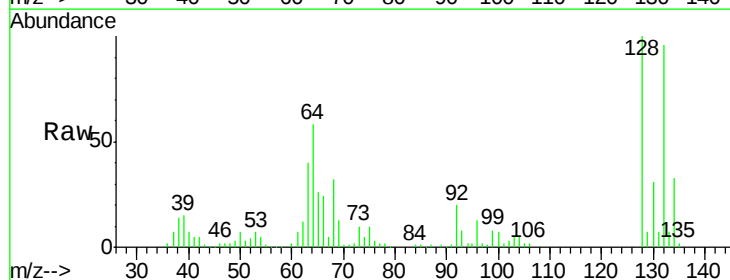
Tgt Ion: 128 Resp: 168198

Ion Ratio Lower Upper

128 100

130 31.3 12.6 52.6

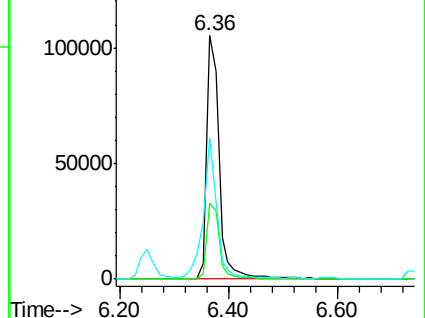
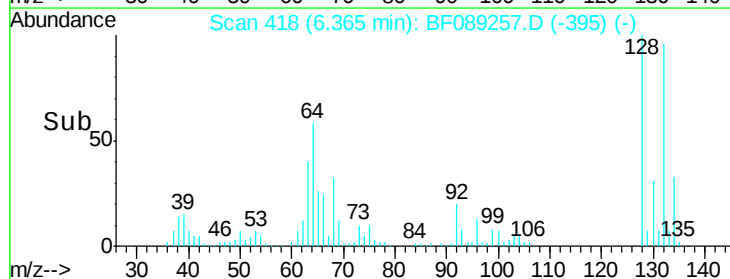
64 58.2 17.5 57.5#

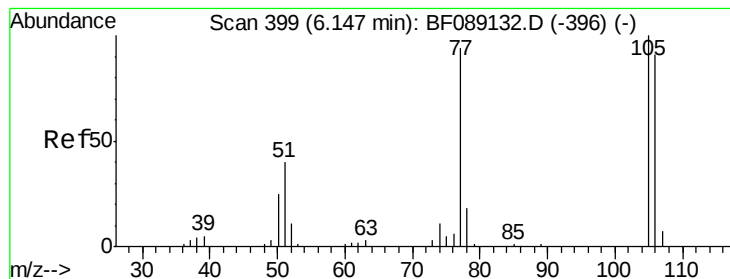


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.80 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

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KMW-02-4.5-6.0MSD

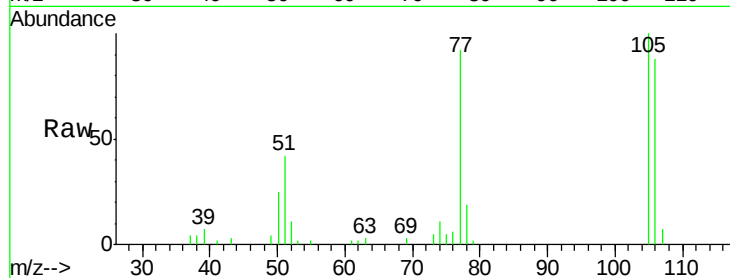
Tgt Ion: 77 Resp: 33852

Ion Ratio Lower Upper

77 100

105 108.2 86.2 126.2

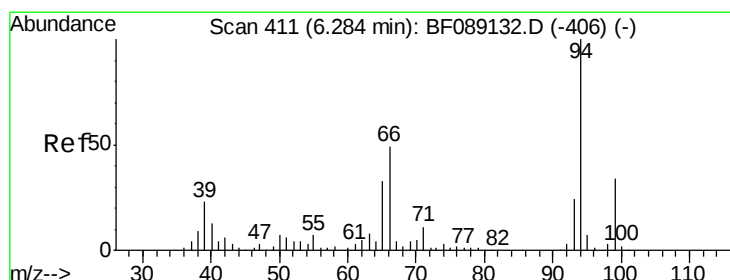
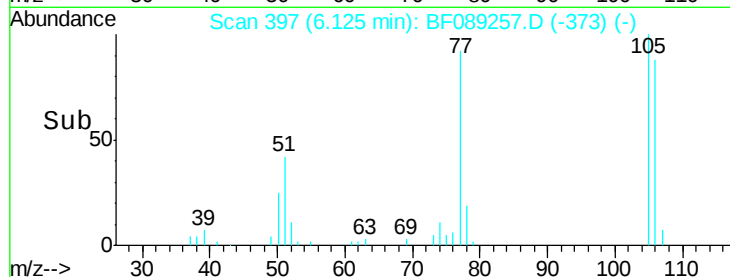
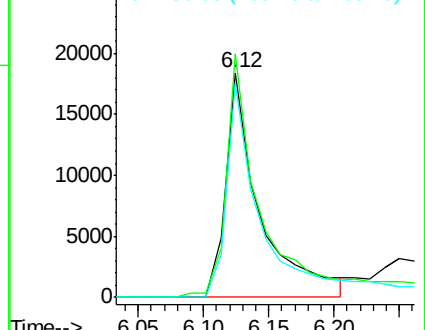
106 95.3 76.3 116.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 48.19 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

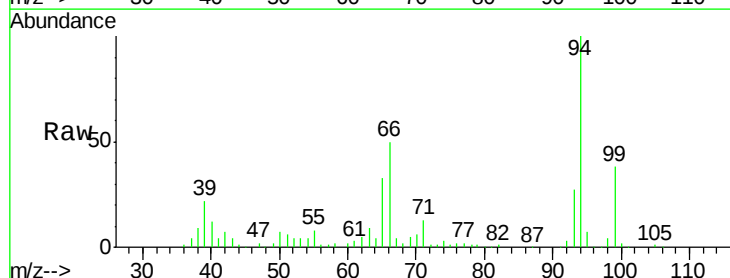
Tgt Ion: 94 Resp: 234488

Ion Ratio Lower Upper

94 100

65 32.8 13.3 53.3

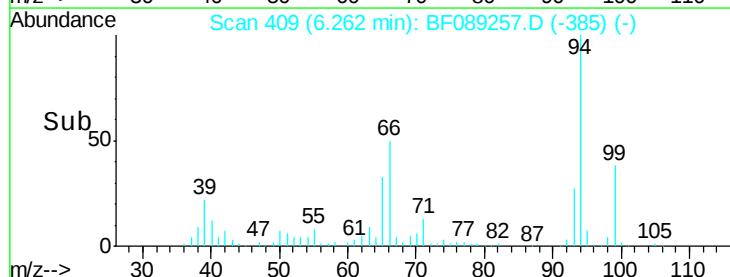
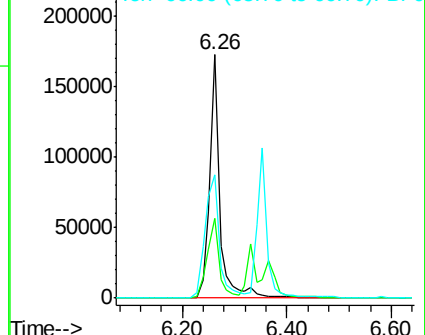
66 50.4 29.3 69.3

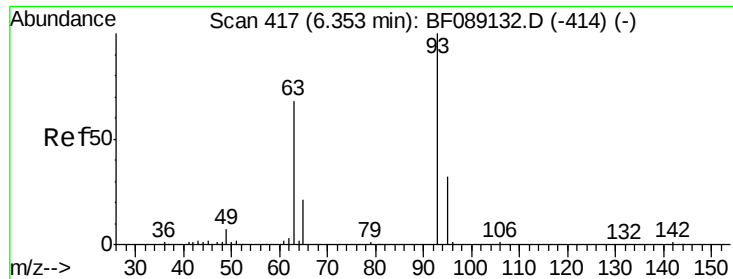


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

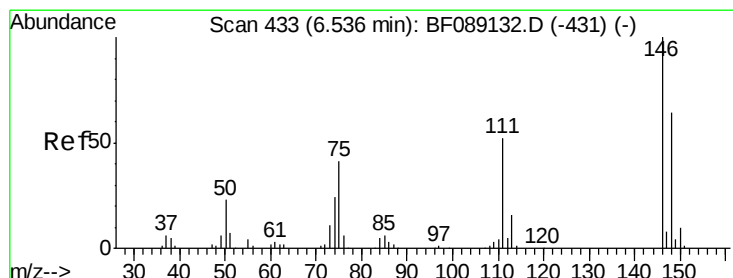
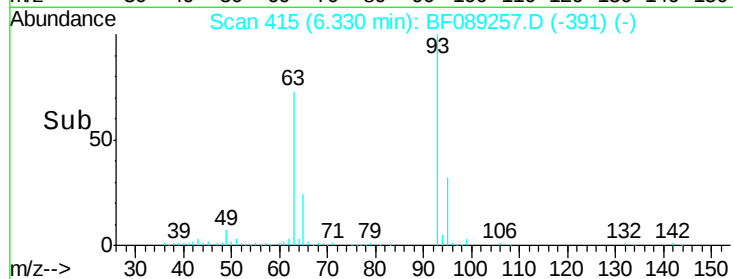
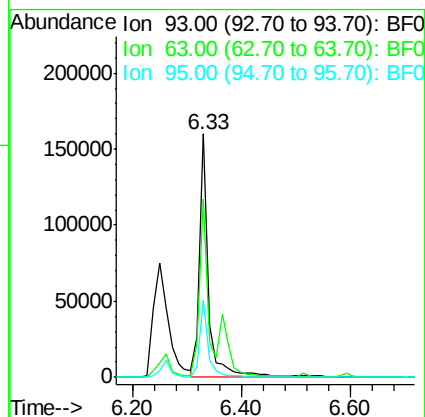
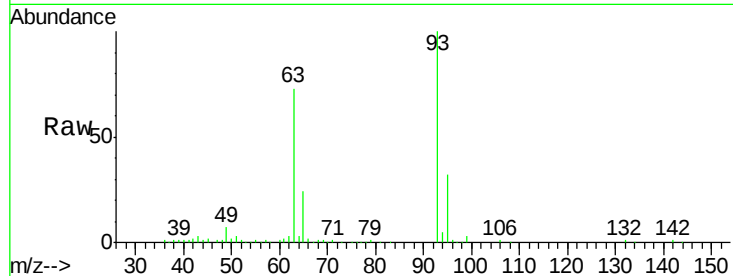




#11
 bis(2-Chloroethyl)ether
 Concen: 49.25 ng
 RT: 6.33 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

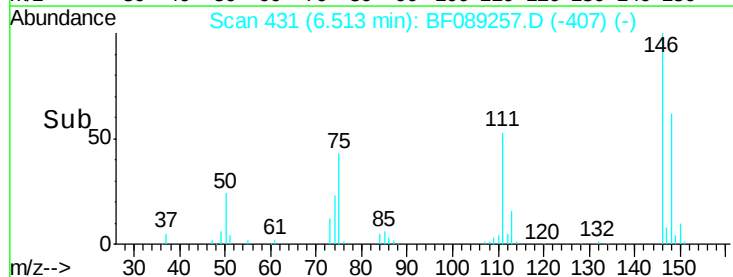
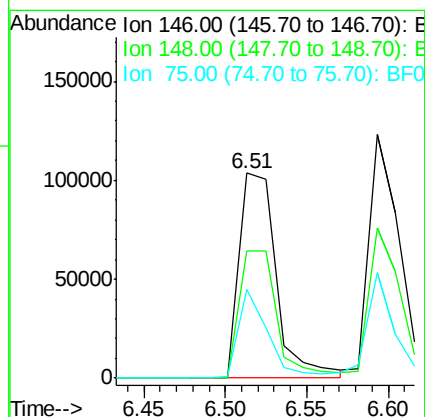
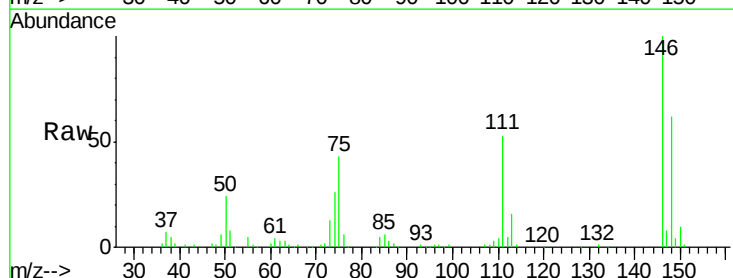
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

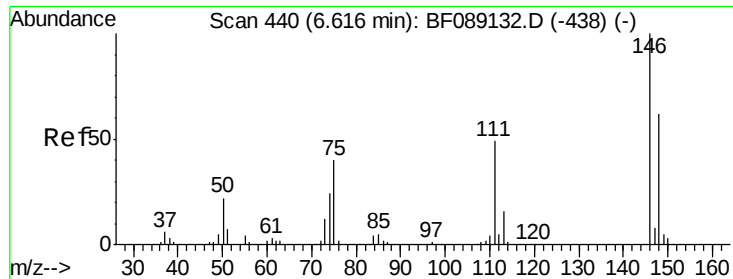
Tgt Ion: 93 Resp: 179983
 Ion Ratio Lower Upper
 93 100
 63 73.0 47.3 87.3
 95 31.8 11.8 51.8



#12
 1,3-Dichlorobenzene
 Concen: 40.66 ng
 RT: 6.51 min Scan# 431
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion: 146 Resp: 163171
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.0 76.6
 75 43.2 32.5 48.7

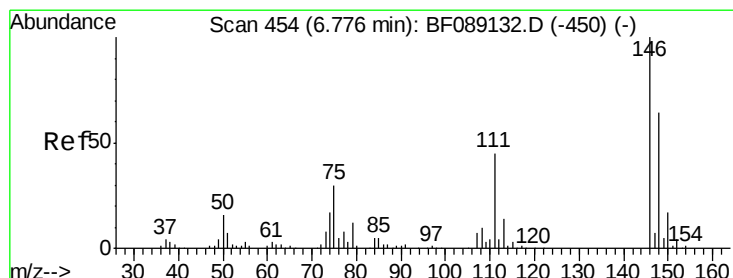
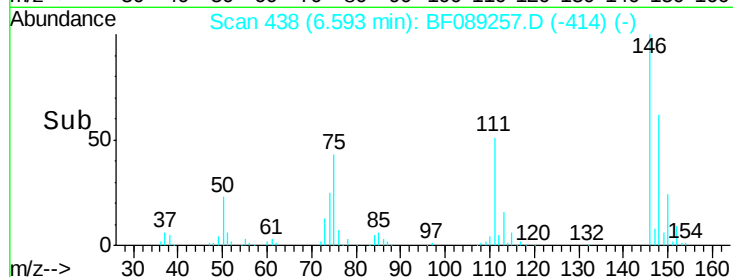
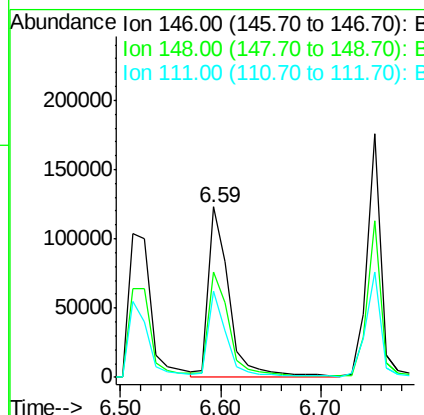
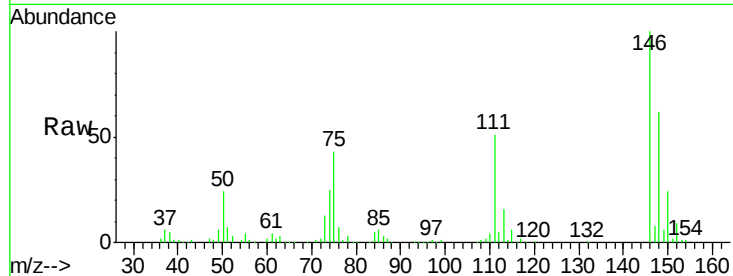




#13
 1,4-Dichlorobenzene
 Concen: 43.47 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

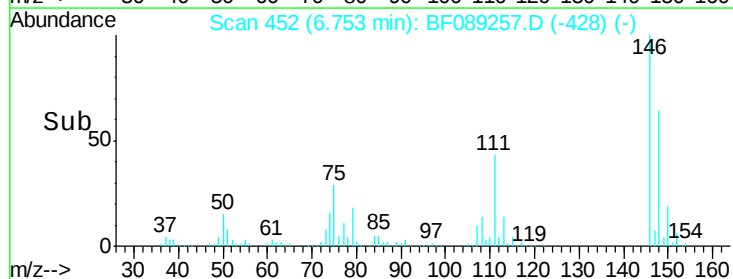
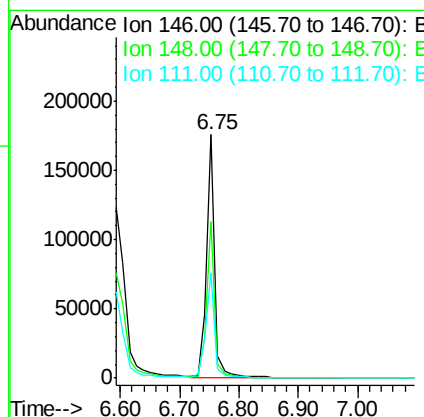
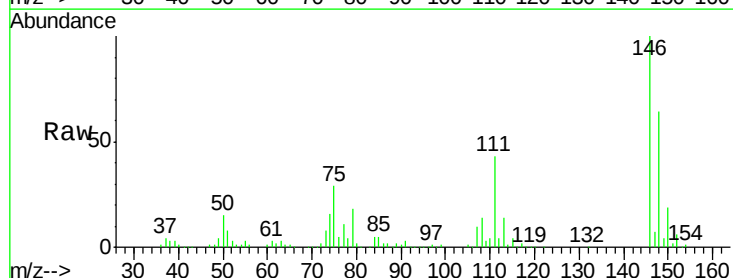
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

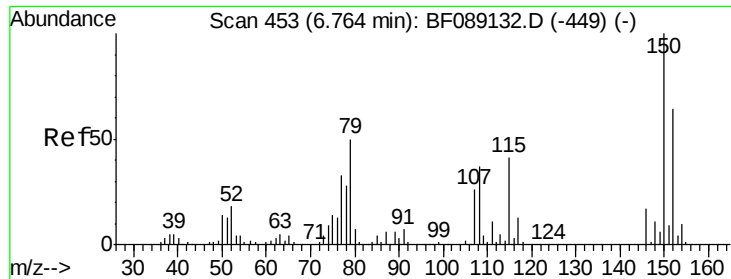
Tgt Ion:146 Resp: 175684
 Ion Ratio Lower Upper
 146 100
 148 61.6 49.9 74.9
 111 50.9 39.8 59.6



#14
 1,2-Dichlorobenzene
 Concen: 46.53 ng
 RT: 6.75 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:146 Resp: 177304
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.4 77.0
 111 43.5 35.9 53.9

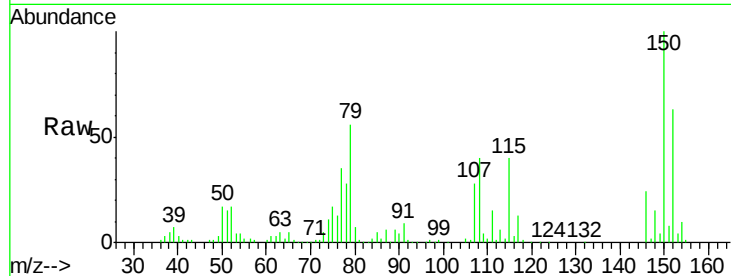




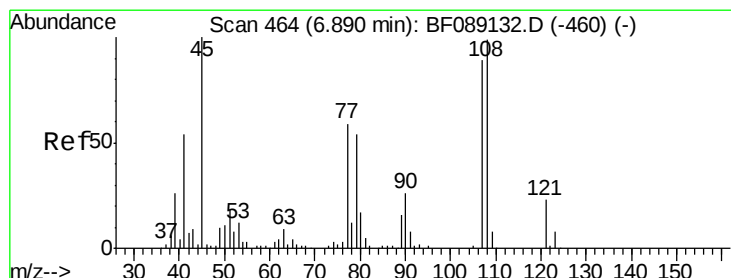
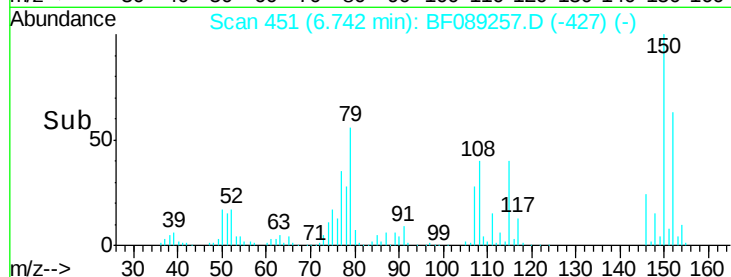
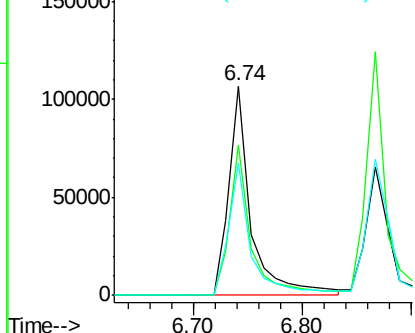
#15
Benzyl Alcohol
Concen: 48.80 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion: 79 Resp: 150947
Ion Ratio Lower Upper
79 100
108 71.8 58.2 87.4
77 63.1 52.2 78.4

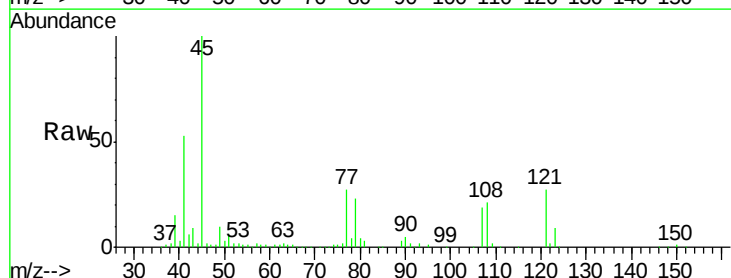


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

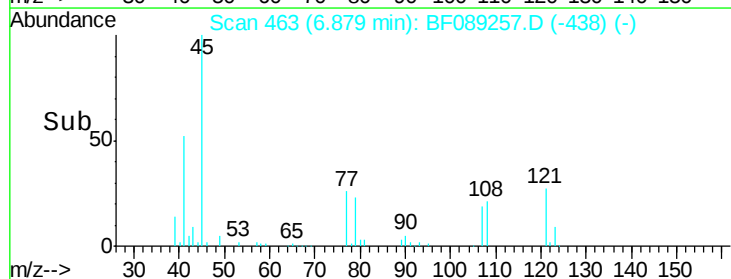
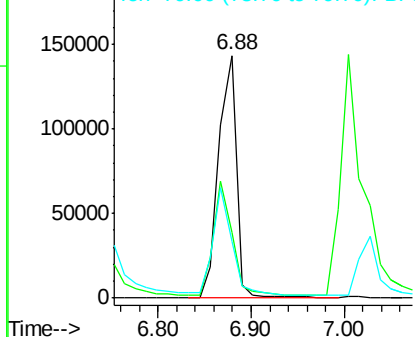


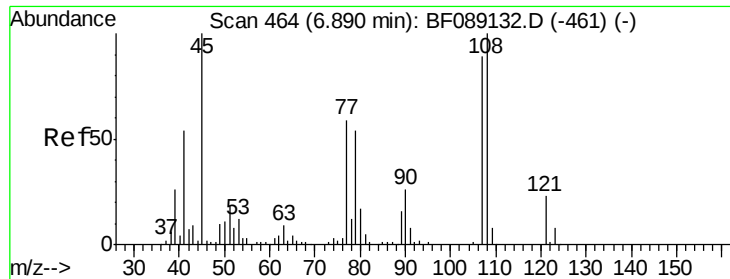
#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.12 ng
RT: 6.88 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion: 45 Resp: 192049
Ion Ratio Lower Upper
45 100
77 27.0 39.7 79.7#
79 23.2 34.7 74.7#



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

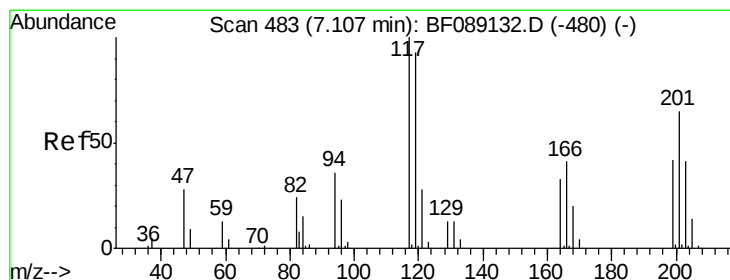
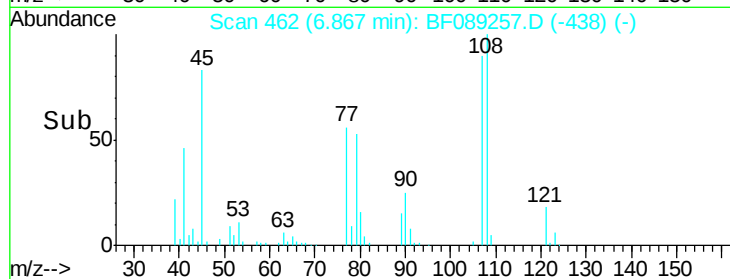
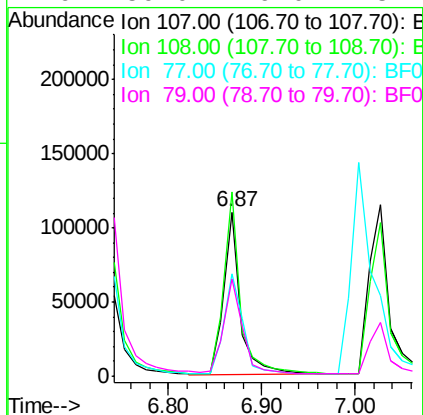
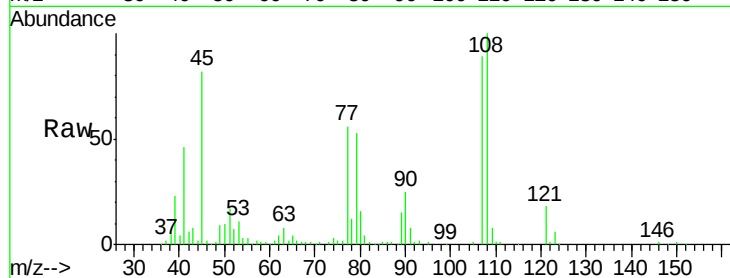




#17
2-Methylphenol
Concen: 47.87 ng
RT: 6.87 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

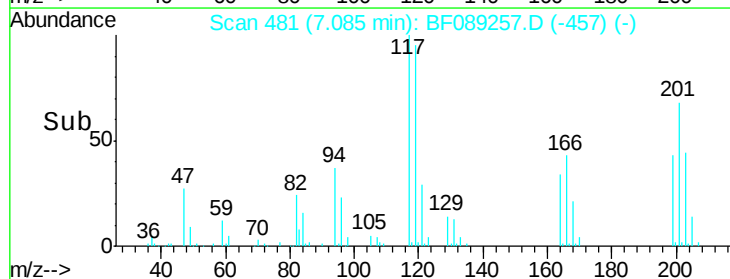
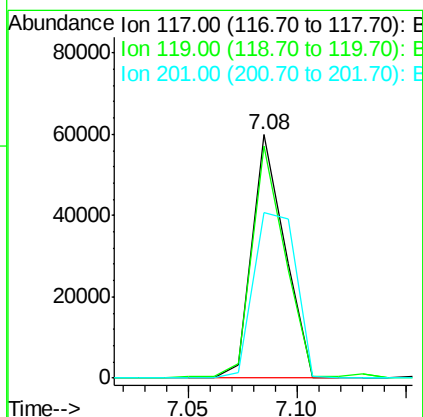
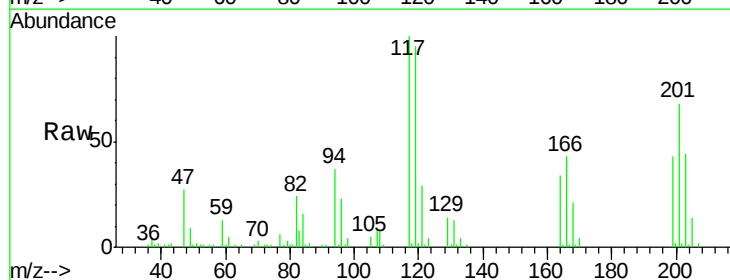
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

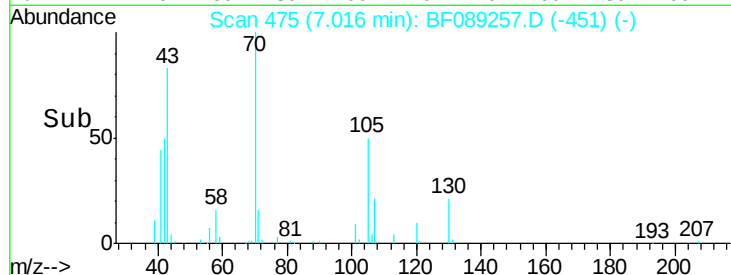
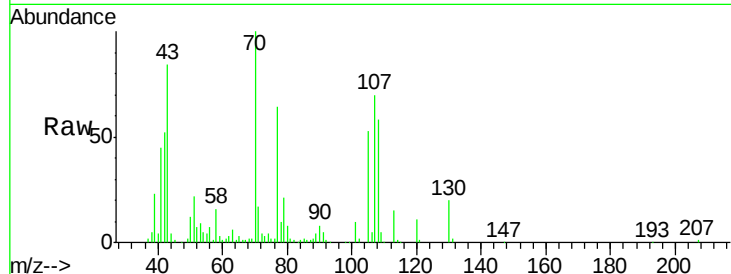
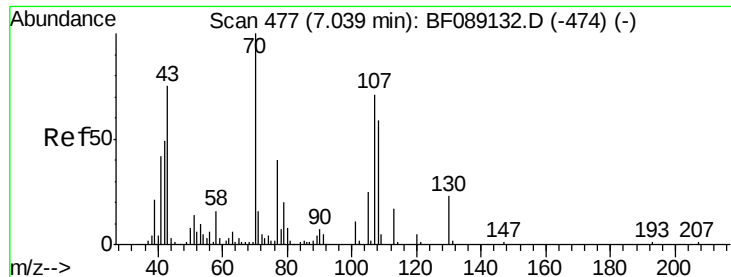
Tgt Ion:107 Resp: 137032
Ion Ratio Lower Upper
107 100
108 112.2 89.4 134.2
77 62.7 53.4 80.0
79 59.0 49.0 73.4



#18
Hexachloroethane
Concen: 41.29 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:117 Resp: 62735
Ion Ratio Lower Upper
117 100
119 95.1 74.5 111.7
201 68.0 51.8 77.6

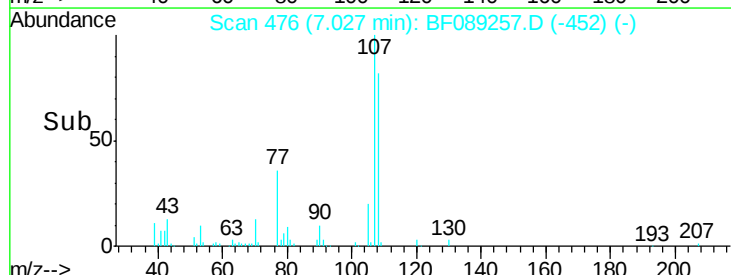
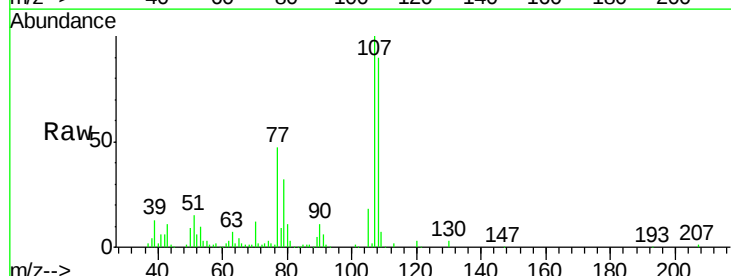
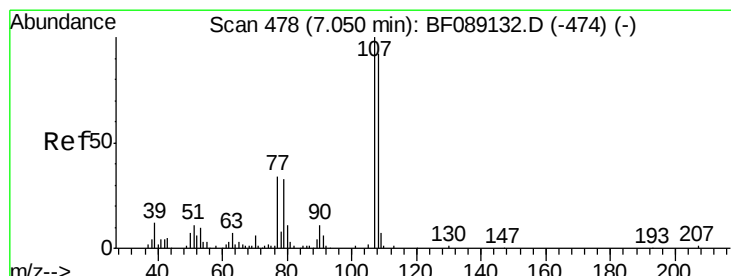
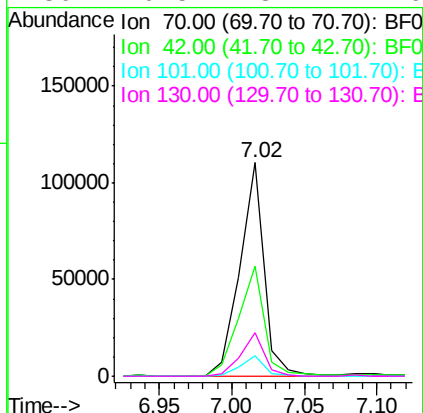




#19
n-Nitroso-di-n-propylamine
Concen: 46.96 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

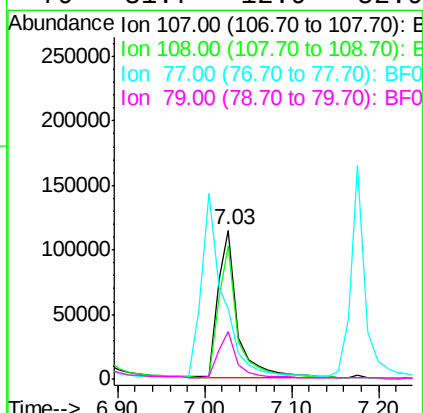
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

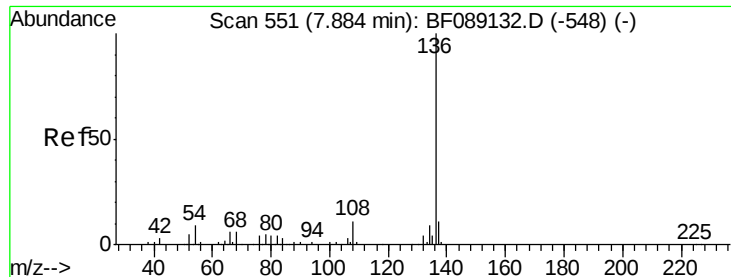
Tgt Ion:	70	Resp:	129735
Ion	Ratio	Lower	Upper
70	100		
42	51.5	39.2	58.8
101	9.7	8.5	12.7
130	20.5	18.4	27.6



#20
3+4-Methylphenols
Concen: 46.76 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:	107	Resp:	181714
Ion	Ratio	Lower	Upper
107	100		
108	89.7	72.5	112.5
77	47.4	17.7	57.7
79	31.7	12.9	52.9

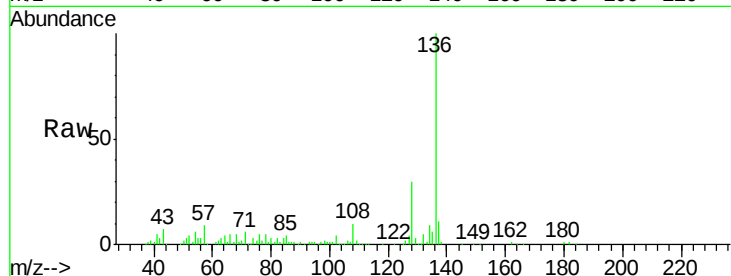




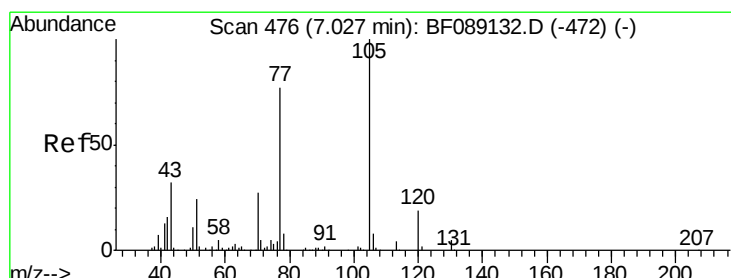
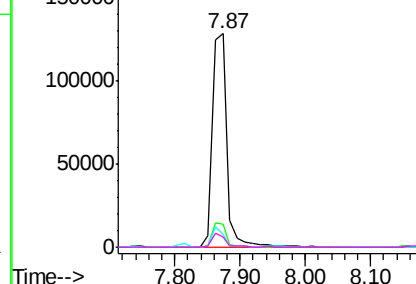
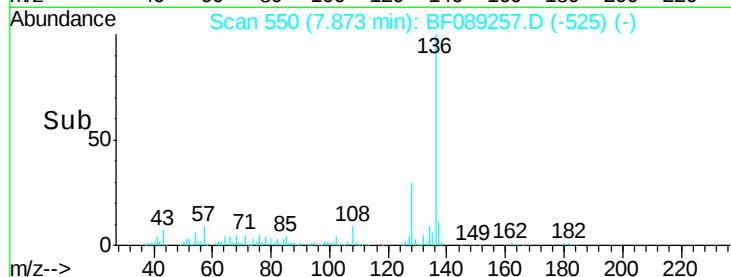
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:	136	Resp:	201902
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.8	13.2
54	5.9	7.0	10.4#
68	4.8	5.0	7.6#

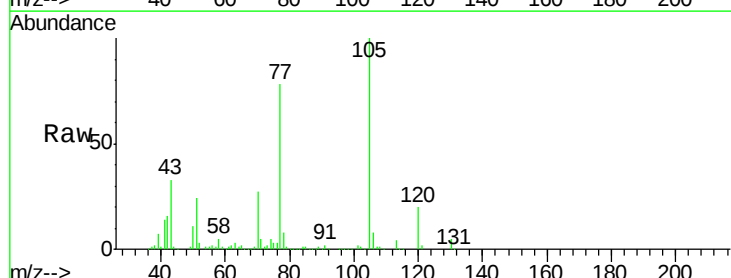


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

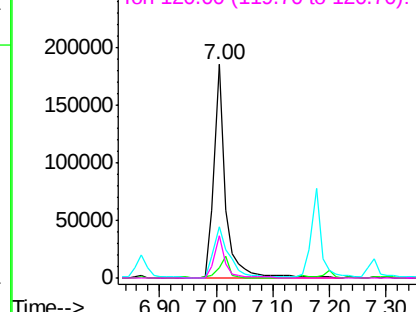
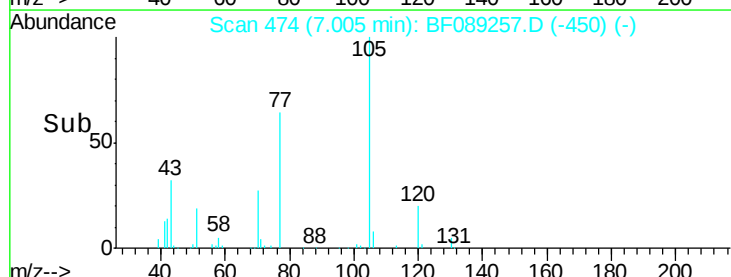


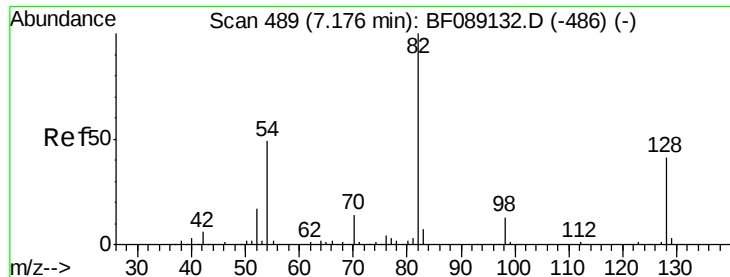
#22
Acetophenone
Concen: 47.13 ng
RT: 7.00 min Scan# 474
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:	105	Resp:	254122
Ion Ratio	Lower	Upper	
105	100		
71	4.8	3.8	5.6
51	24.2	19.6	29.4
120	19.6	15.5	23.3



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

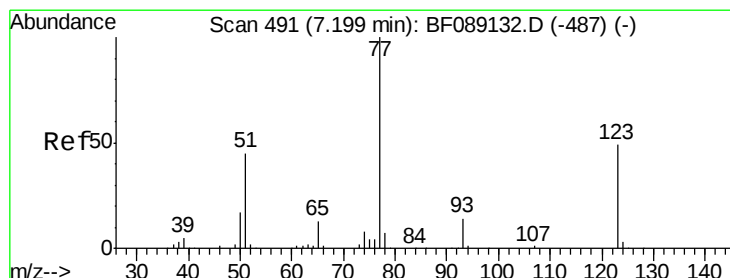
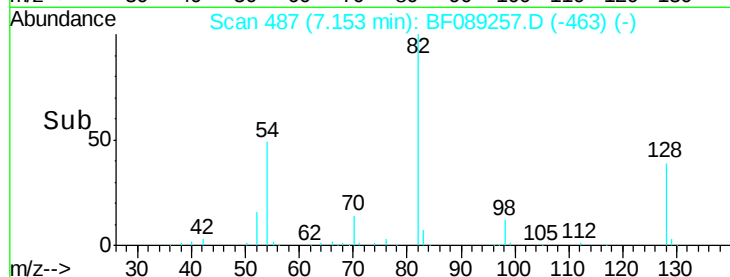
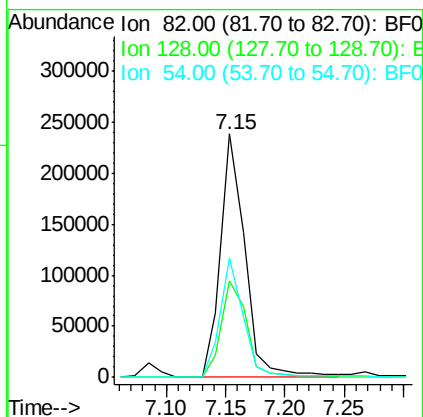
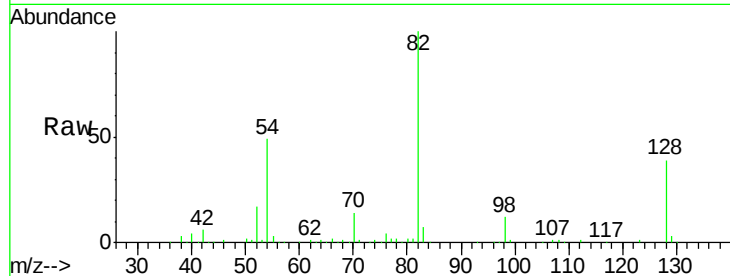




#23
 Nitrobenzene-d5
 Concen: 89.58 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

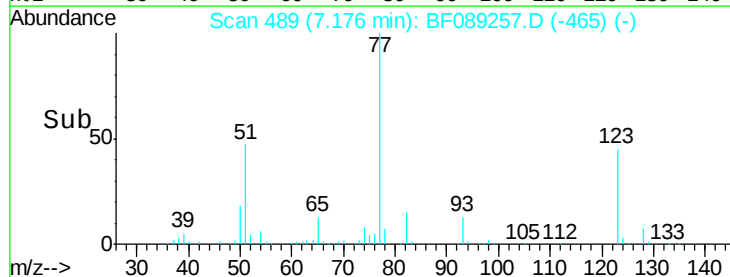
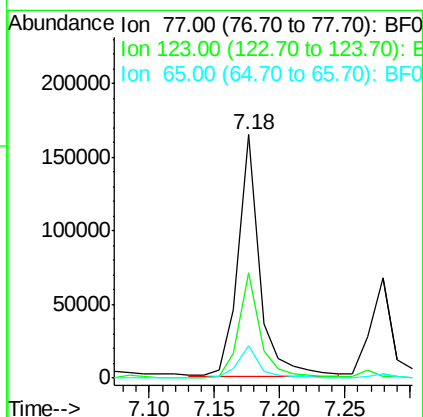
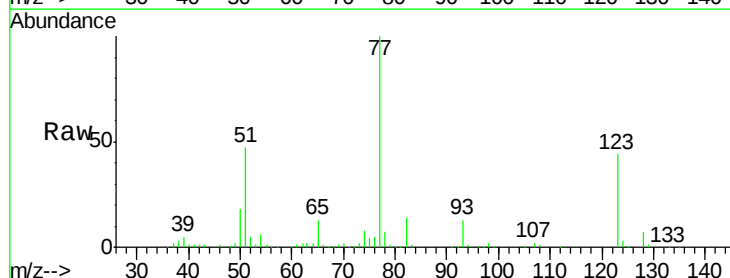
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

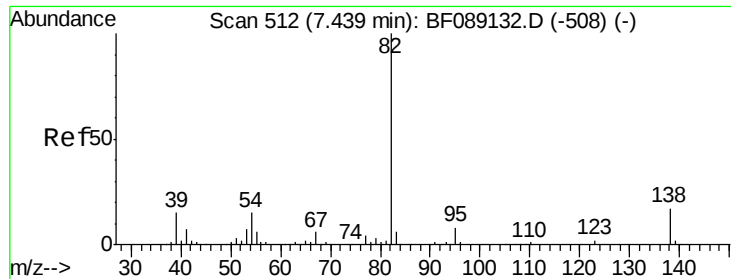
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.4	33.0	49.6
54	49.1	39.0	58.4



#24
 Nitrobenzene
 Concen: 47.22 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.5	38.9	58.3
65	13.3	10.6	15.8





#25

Isophorone

Concen: 48.50 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

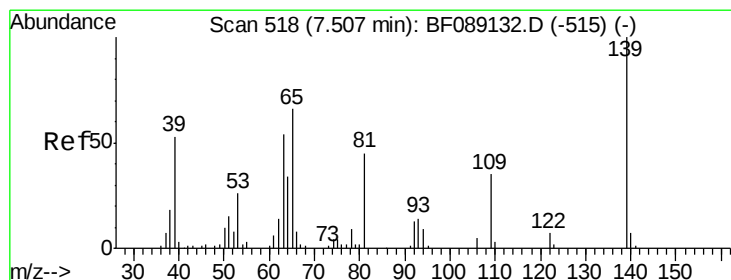
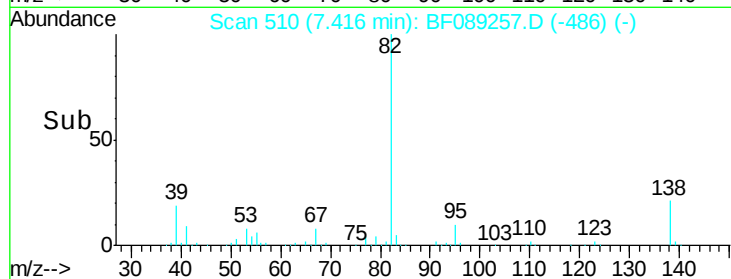
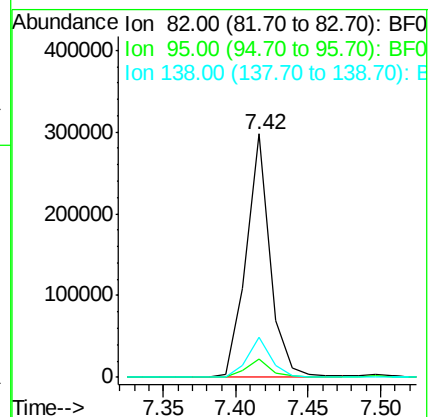
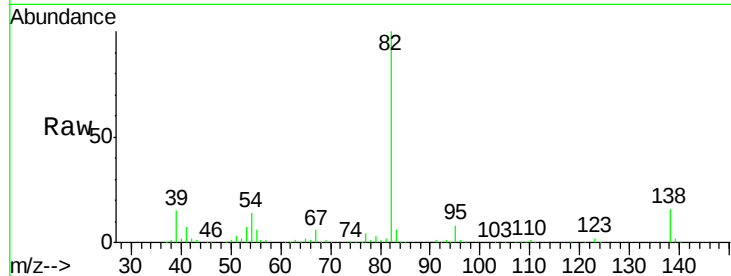
Tgt Ion: 82 Resp: 339684

Ion Ratio Lower Upper

82 100

95 7.6 6.1 9.1

138 16.5 13.6 20.4



#26

2-Nitrophenol

Concen: 43.71 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

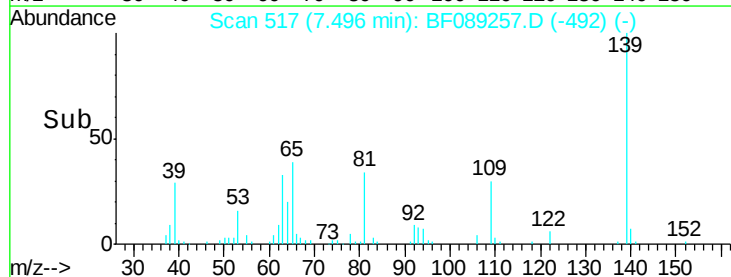
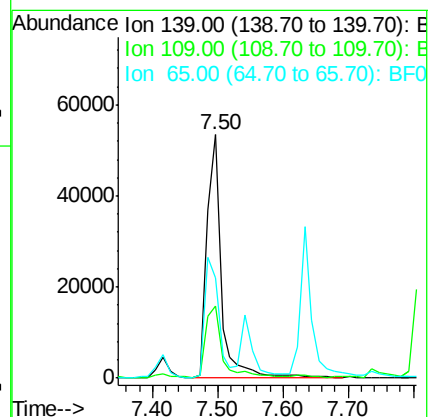
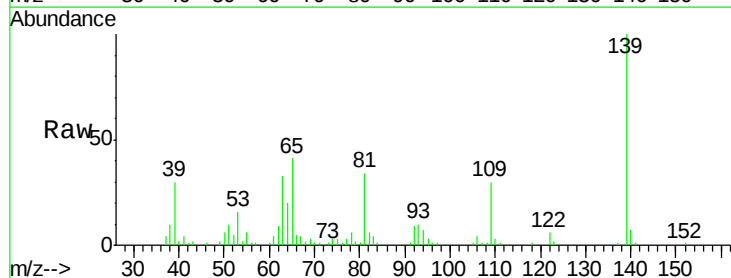
Tgt Ion: 139 Resp: 81708

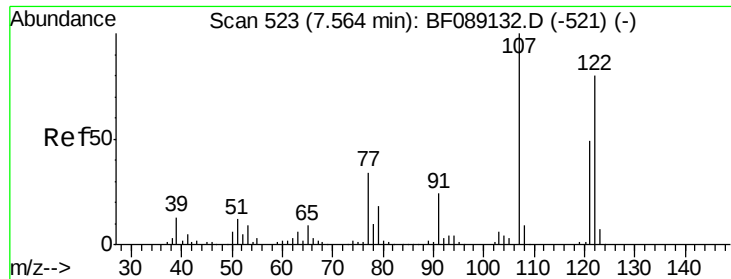
Ion Ratio Lower Upper

139 100

109 29.6 28.1 42.1

65 41.1 52.7 79.1#

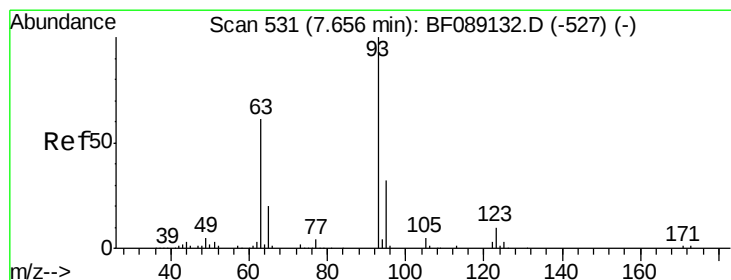
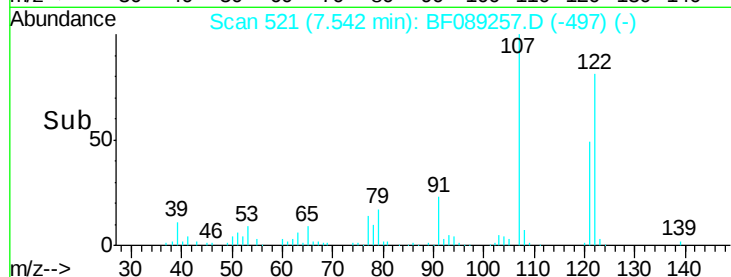
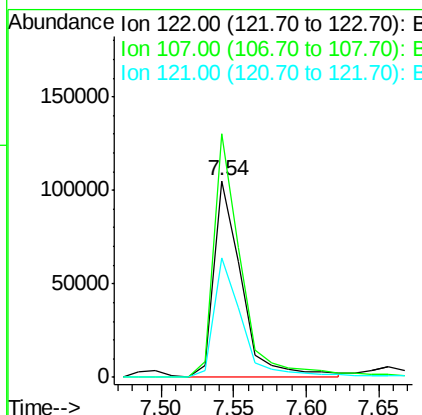
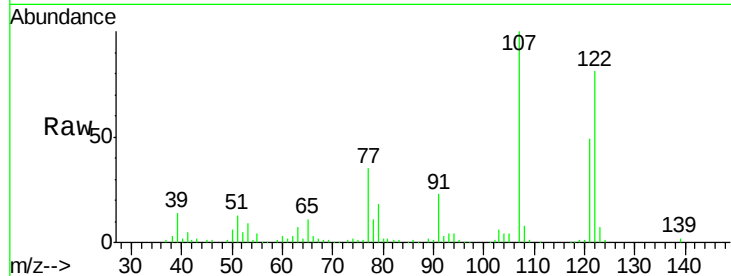




#27
 2,4-Dimethylphenol
 Concen: 44.07 ng
 RT: 7.54 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

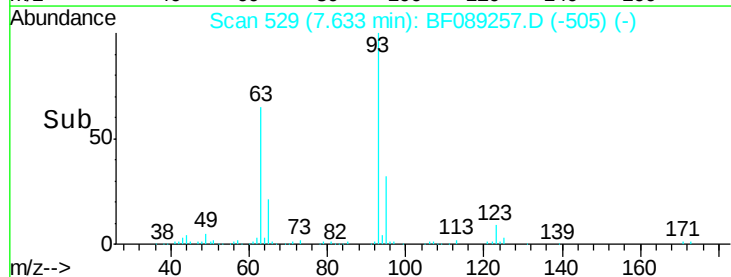
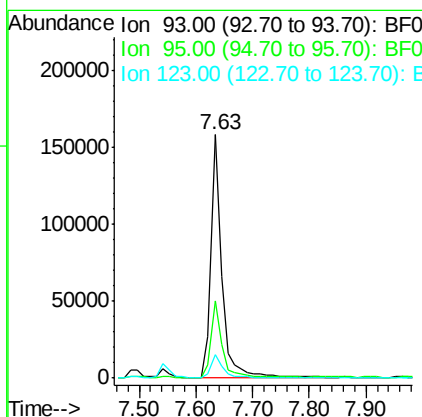
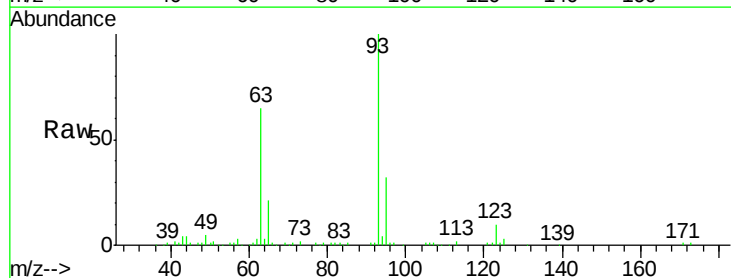
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

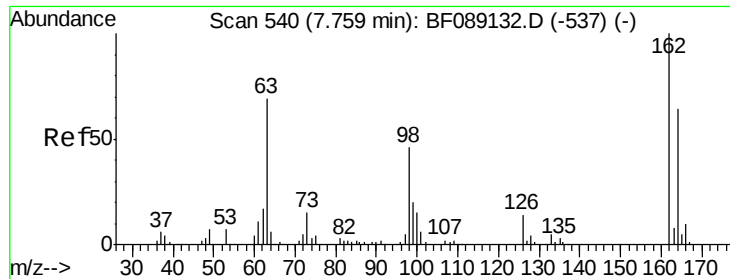
Tgt Ion: 122 Resp: 138784
 Ion Ratio Lower Upper
 122 100
 107 123.8 99.7 149.5
 121 60.7 48.5 72.7



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.05 ng
 RT: 7.63 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion: 93 Resp: 206108
 Ion Ratio Lower Upper
 93 100
 95 31.6 25.4 38.0
 123 9.6 8.3 12.5

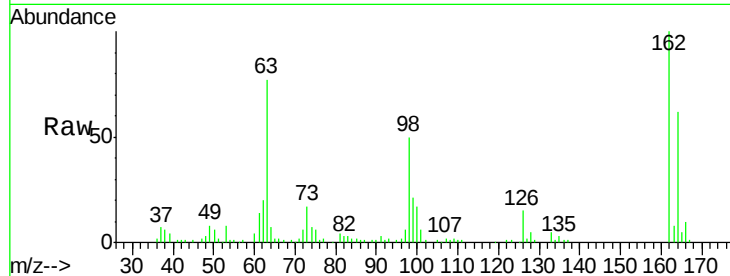




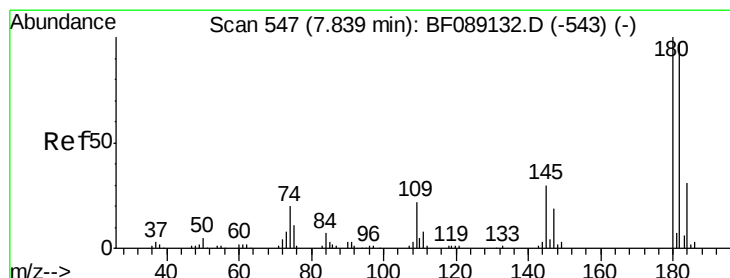
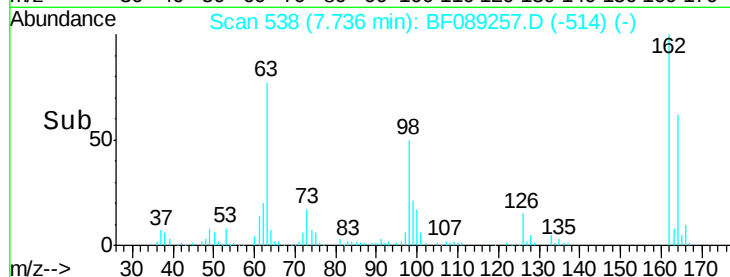
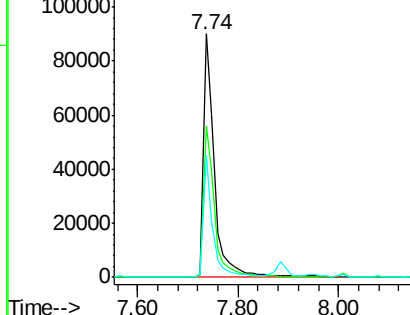
#29
 2,4-Dichlorophenol
 Concen: 48.10 ng
 RT: 7.74 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion:162 Resp: 136502
 Ion Ratio Lower Upper
 162 100
 164 62.3 44.0 84.0
 98 50.0 26.0 66.0

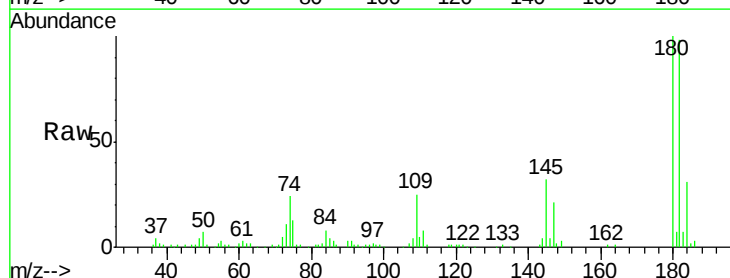


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

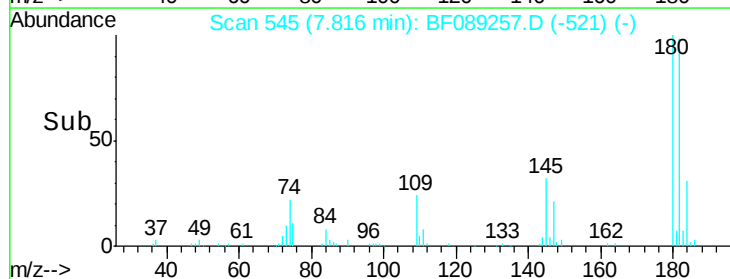
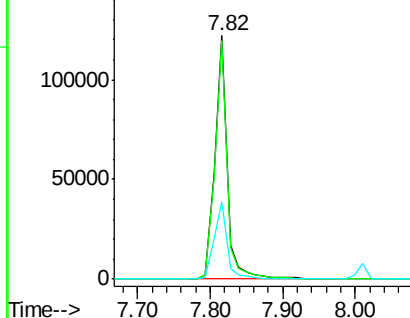


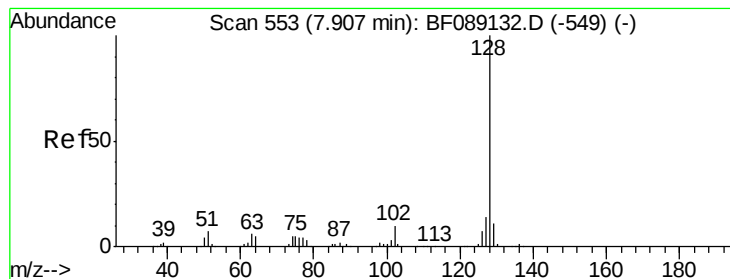
#30
 1,2,4-Trichlorobenzene
 Concen: 45.89 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:180 Resp: 144185
 Ion Ratio Lower Upper
 180 100
 182 97.7 77.6 116.4
 145 31.6 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.88 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

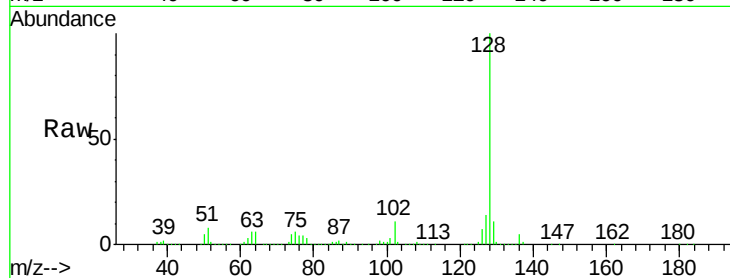
Tgt Ion:128 Resp: 489085

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

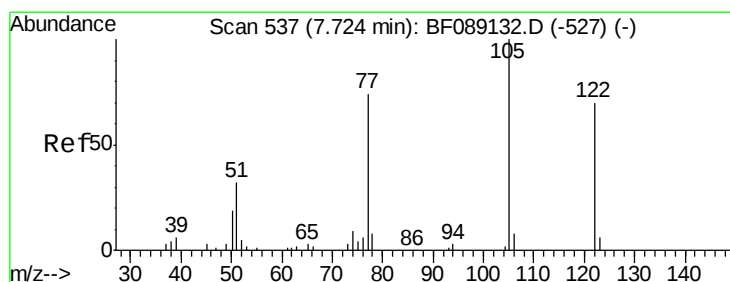
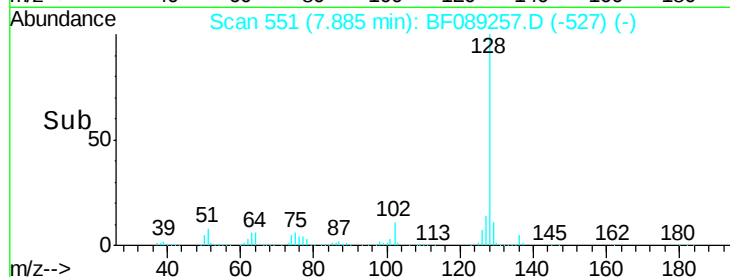
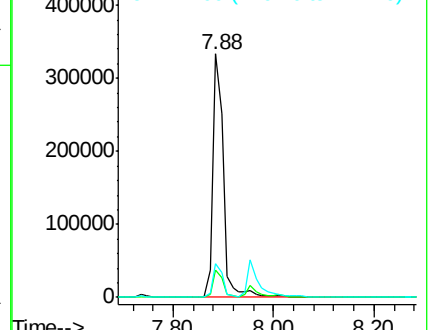
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.69 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.07 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

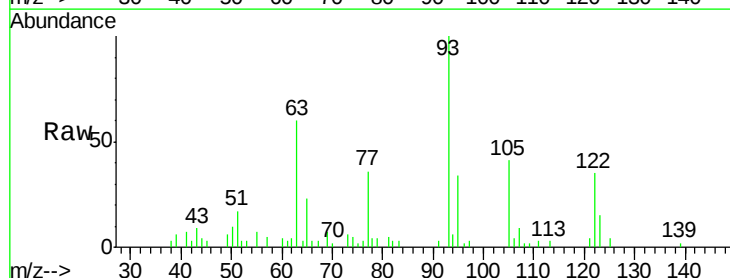
Tgt Ion:122 Resp: 16193

Ion Ratio Lower Upper

122 100

105 118.0 119.0 159.0#

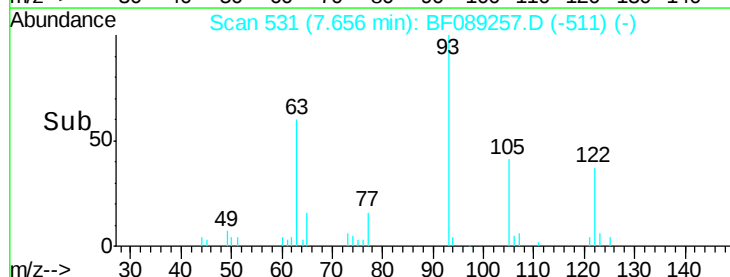
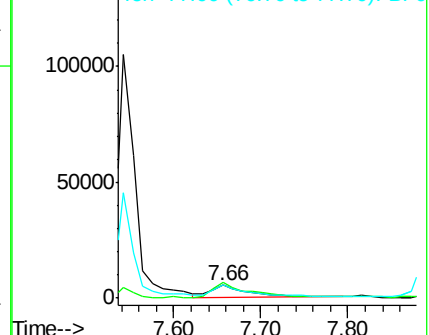
77 104.3 84.7 124.7

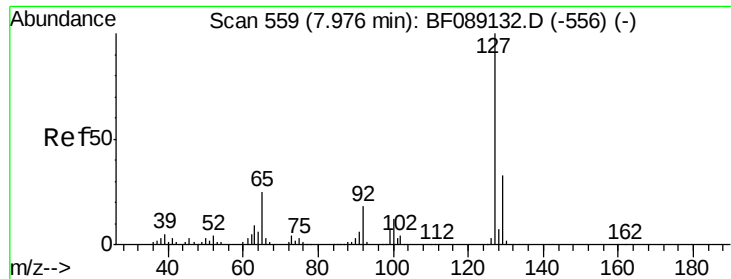


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

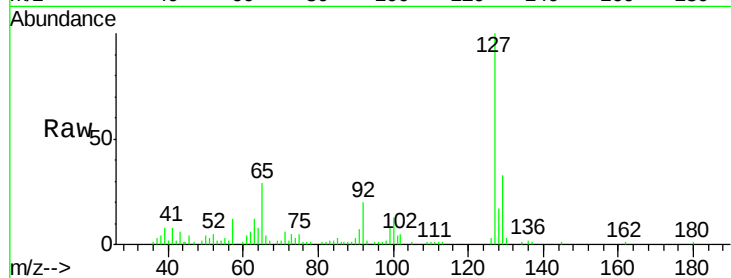




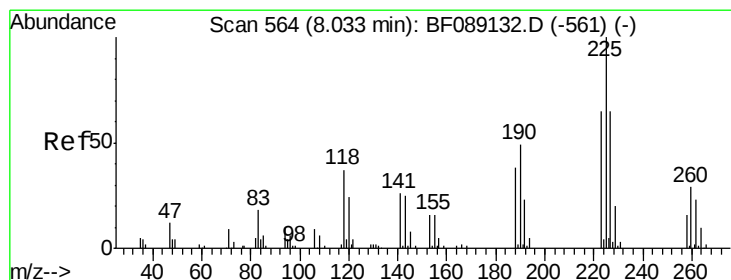
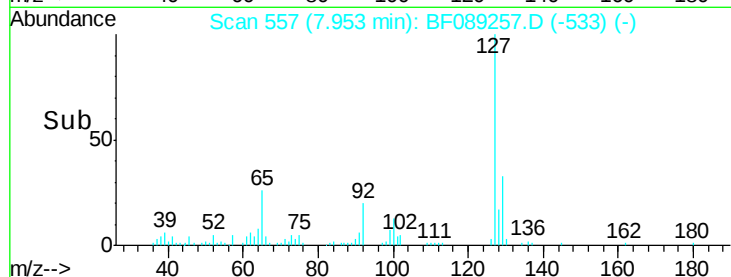
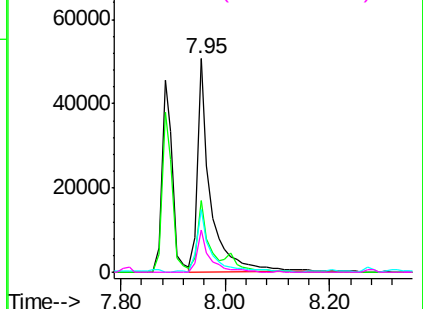
#33
4-Chloroaniline
Concen: 18.91 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:	127	Resp:	86635
Ion	Ratio	Lower	Upper
127	100		
129	33.4	25.9	38.9
65	29.2	19.7	29.5
92	19.6	14.3	21.5

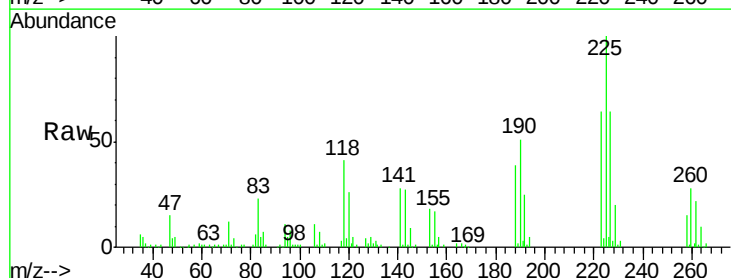


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

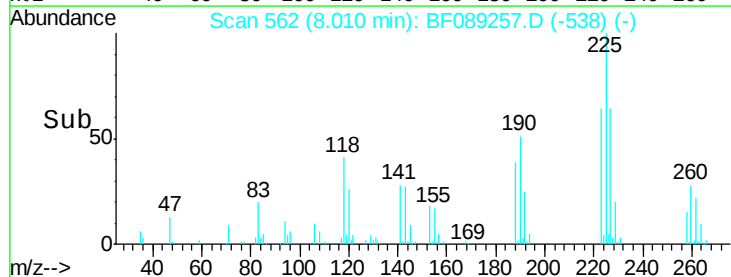
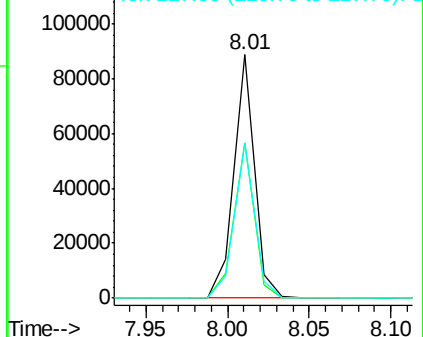


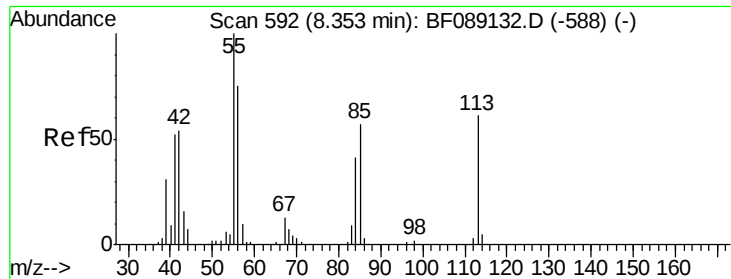
#34
Hexachlorobutadiene
Concen: 43.93 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:	225	Resp:	76814
Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.6	77.4
227	64.0	51.6	77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

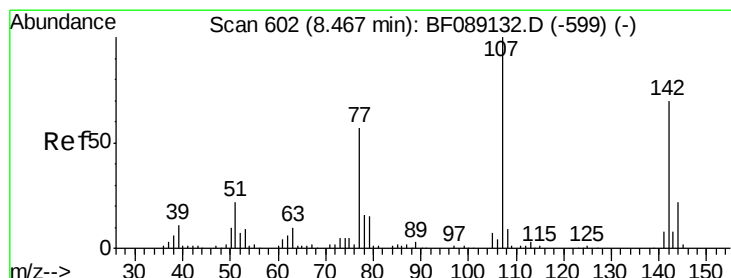
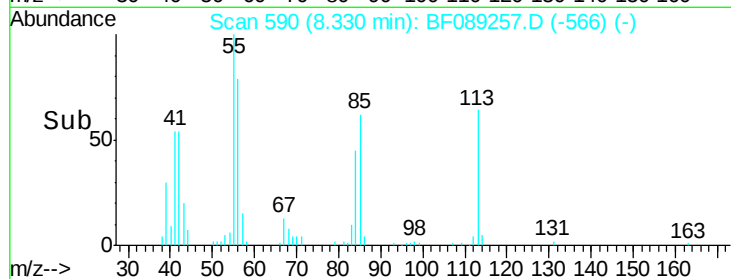
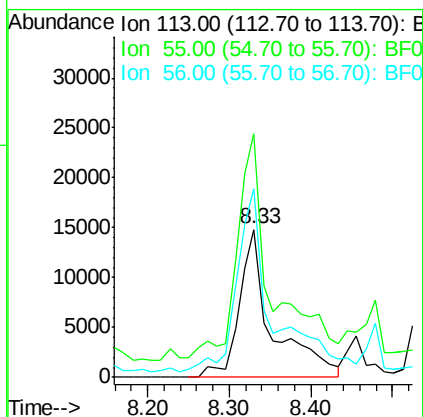
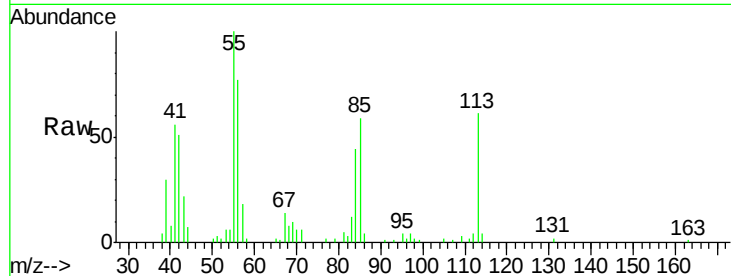




#35
 Caprolactam
 Concen: 47.36 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

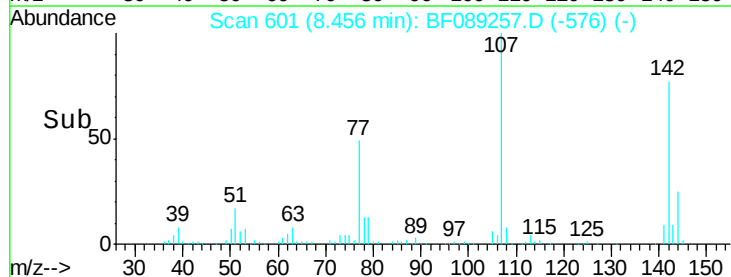
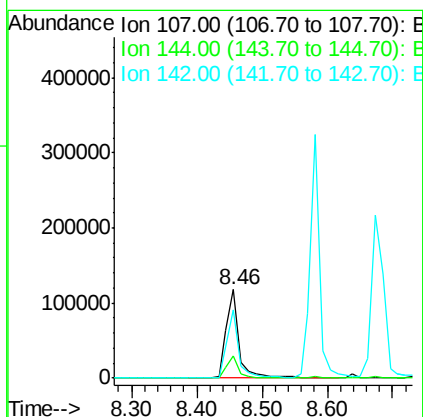
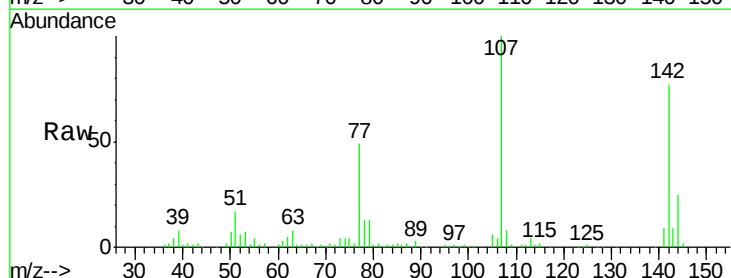
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

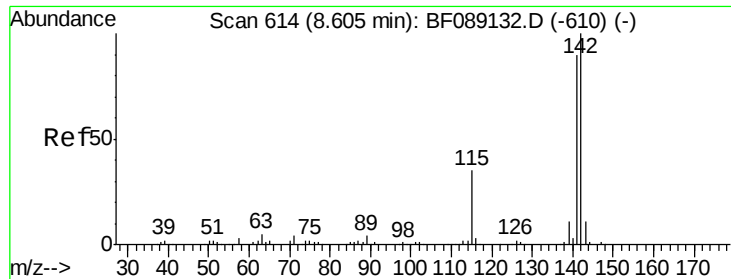
Tgt Ion:113 Resp: 41739
 Ion Ratio Lower Upper
 113 100
 55 164.5 145.3 185.3
 56 127.3 104.3 144.3



#36
 4-Chloro-3-methylphenol
 Concen: 47.72 ng
 RT: 8.46 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:107 Resp: 163195
 Ion Ratio Lower Upper
 107 100
 144 24.6 17.8 26.6
 142 77.2 56.1 84.1

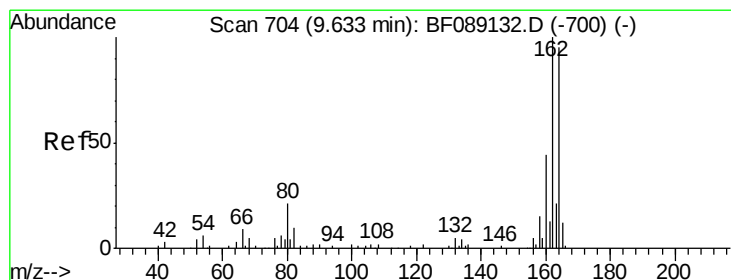
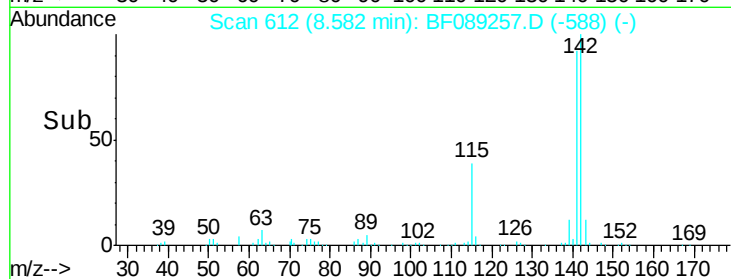
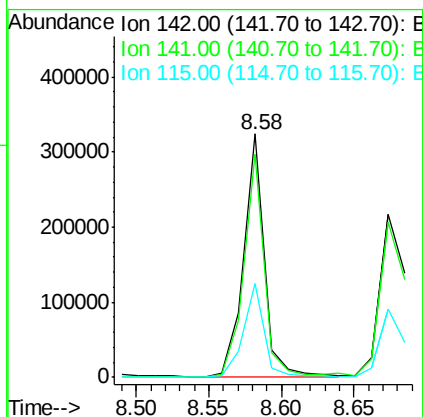
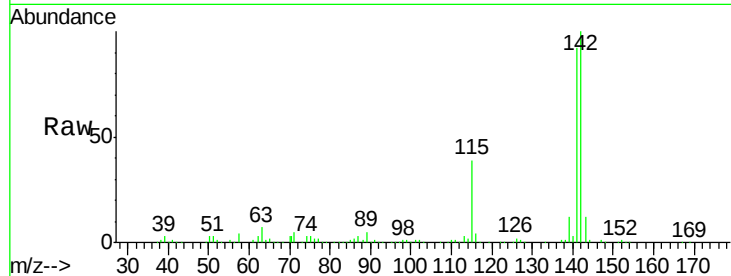




#37
 2-Methylnaphthalene
 Concen: 46.51 ng
 RT: 8.58 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

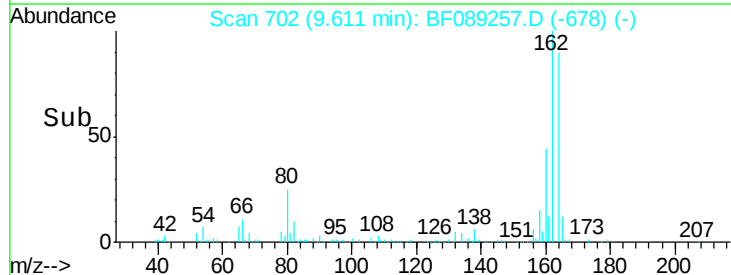
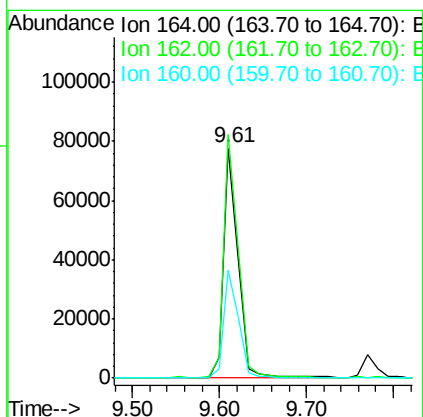
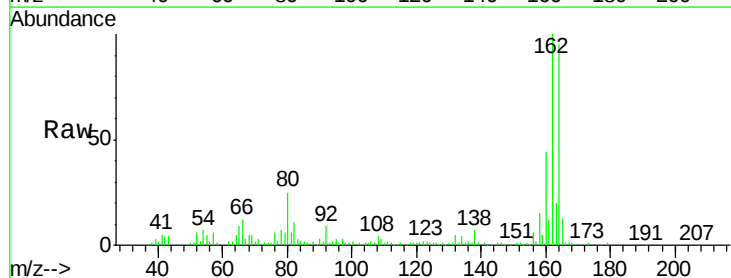
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

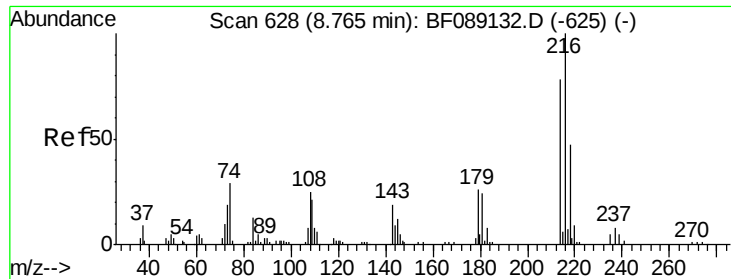
Tgt Ion:142 Resp: 323218
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.6 107.4
 115 38.5 27.6 41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:164 Resp: 91182
 Ion Ratio Lower Upper
 164 100
 162 105.8 84.1 126.1
 160 46.6 37.1 55.7

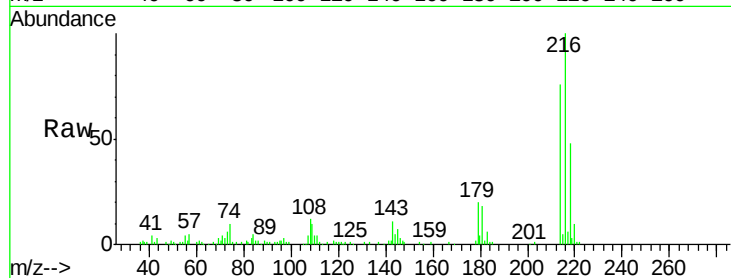




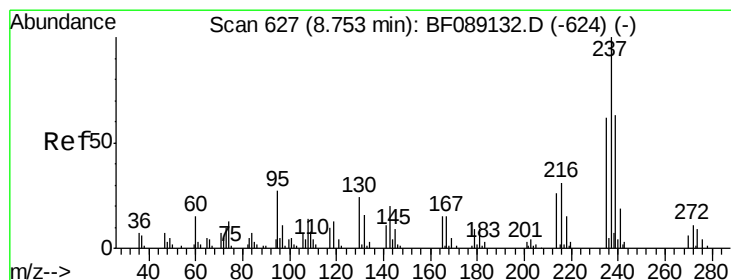
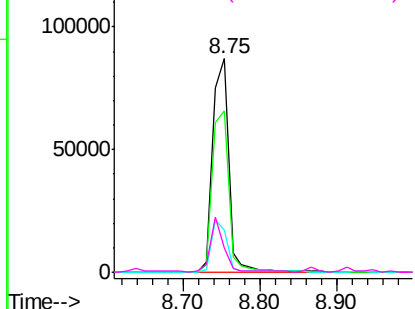
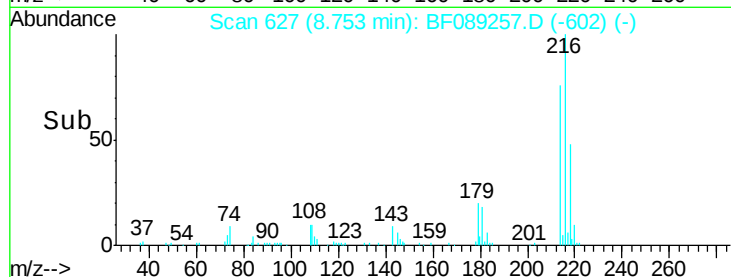
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 37.26 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion:	216	Resp:	126290
Ion	Ratio	Lower	Upper
216	100		
214	78.2	61.9	92.9
179	23.7	18.4	27.6
108	22.1	17.0	25.6

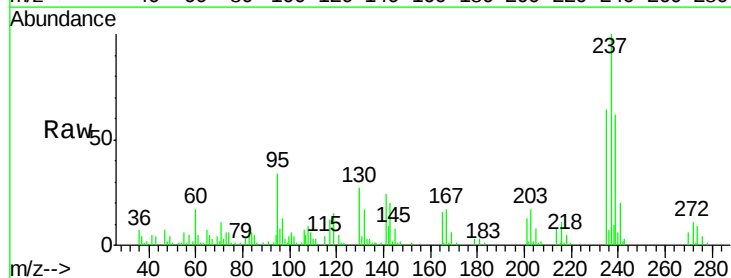


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

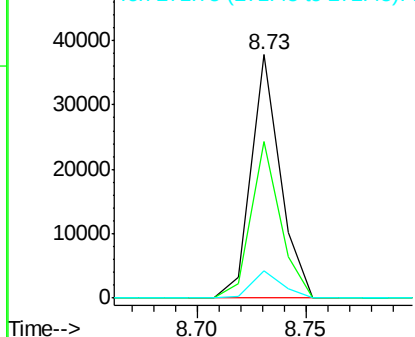
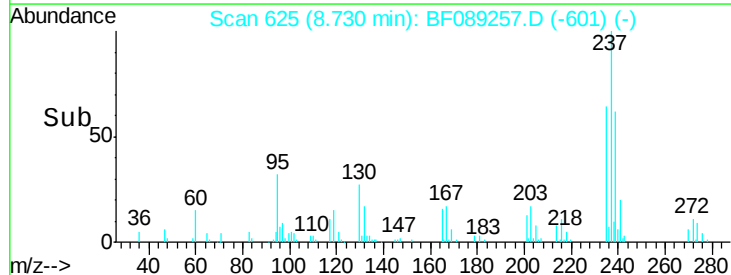


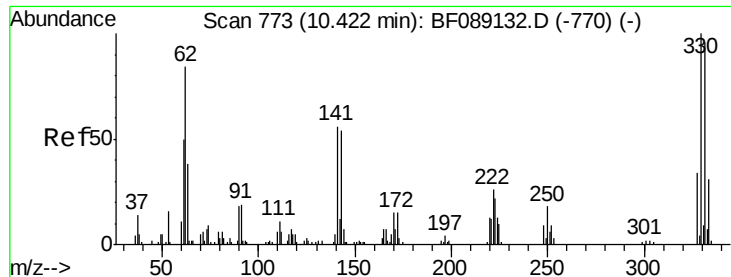
#40
 Hexachlorocyclopentadiene
 Concen: 36.17 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:	237	Resp:	35169
Ion	Ratio	Lower	Upper
237	100		
235	64.2	42.1	82.1
272	11.5	0.0	31.4



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

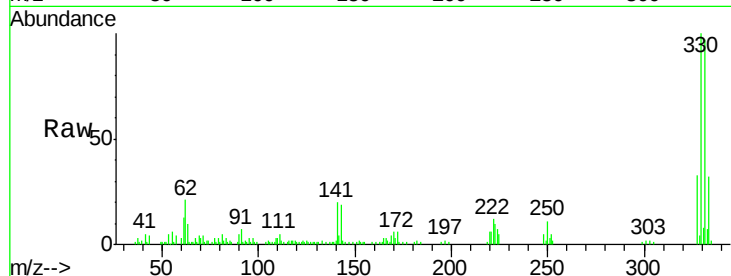




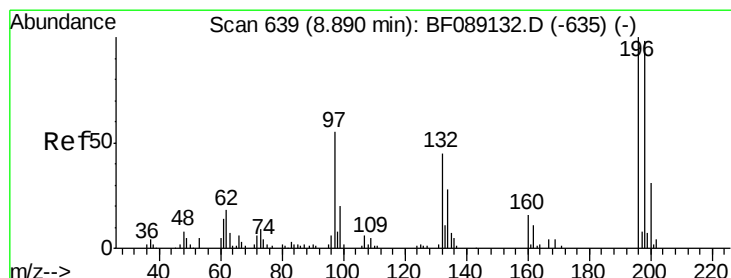
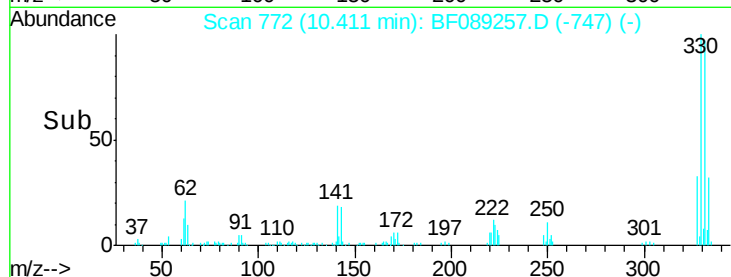
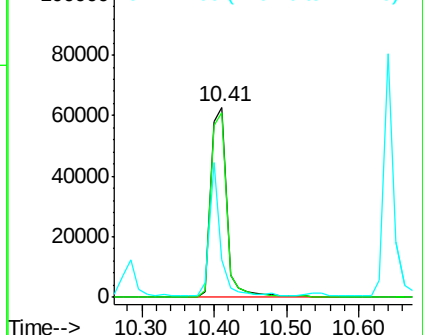
#41
 2,4,6-Tribromophenol
 Concen: 117.50 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion:330 Resp: 96461
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.2 115.8
 141 46.4 42.2 63.2

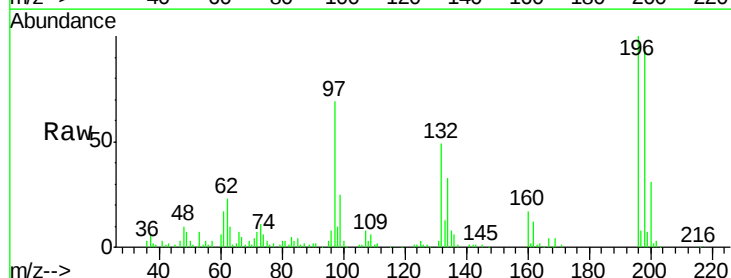


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

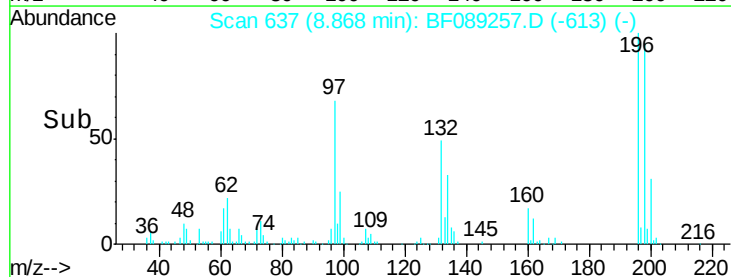
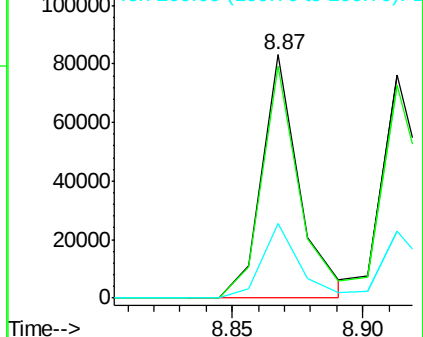


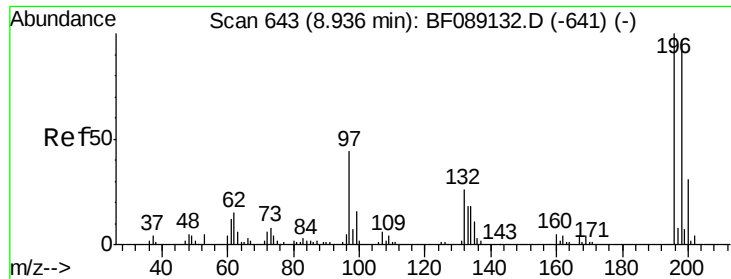
#42
 2,4,6-Trichlorophenol
 Concen: 43.78 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:196 Resp: 83048
 Ion Ratio Lower Upper
 196 100
 198 95.4 78.3 117.5
 200 30.8 25.0 37.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

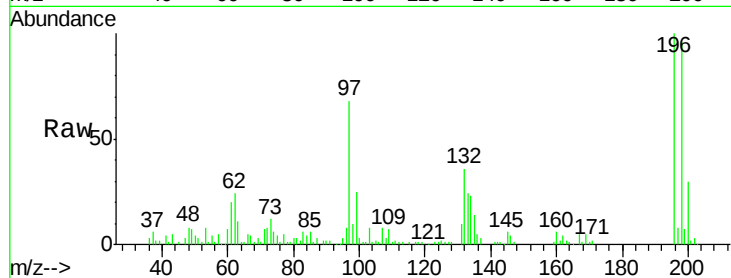




#43
 2,4,5-Trichlorophenol
 Concen: 52.54 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.6	116.4
97	67.7	36.5	54.7#
132	36.2	21.2	31.8#



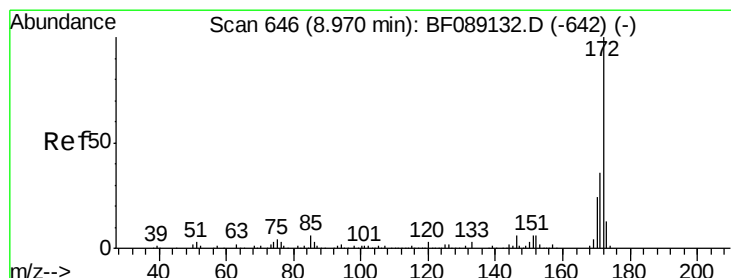
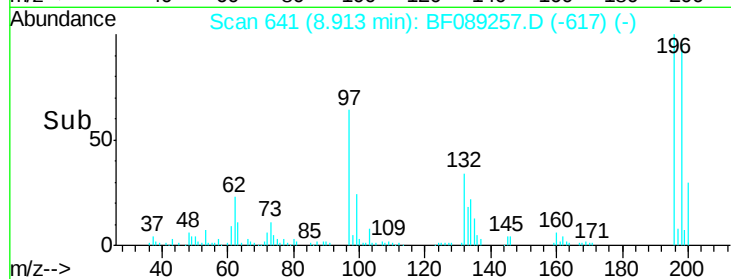
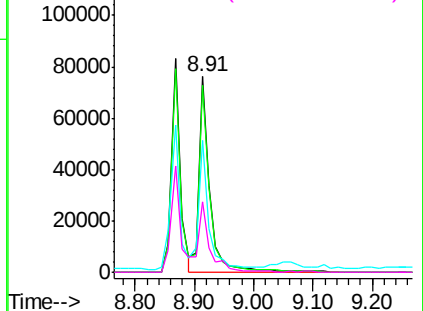
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

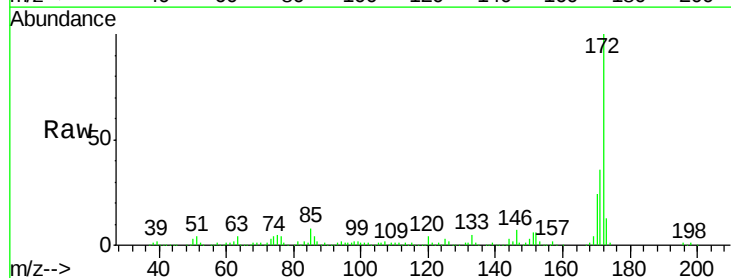
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 86.85 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.9	19.1	28.7

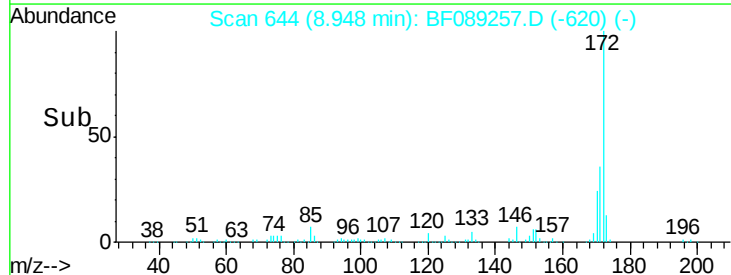
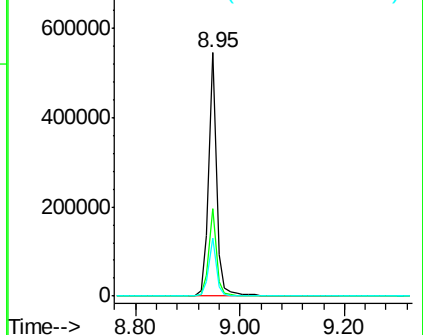


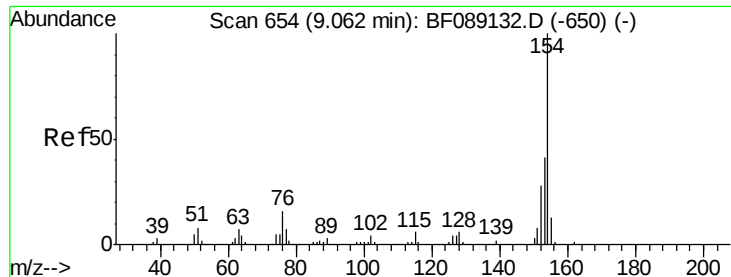
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

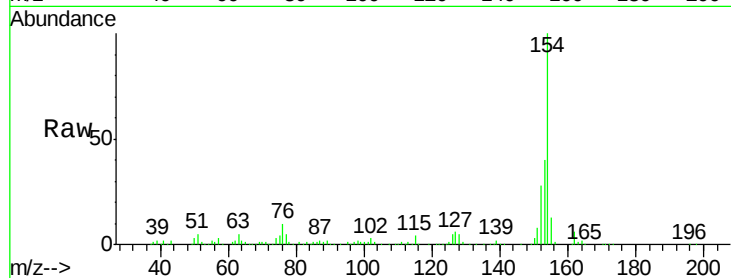




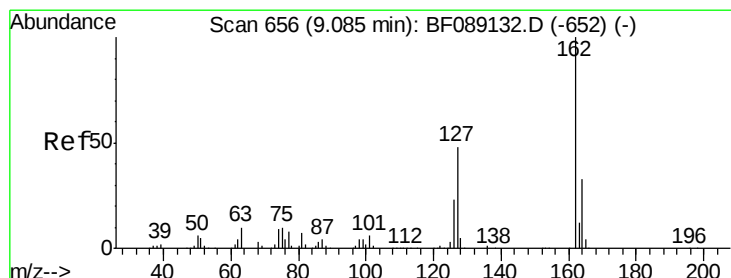
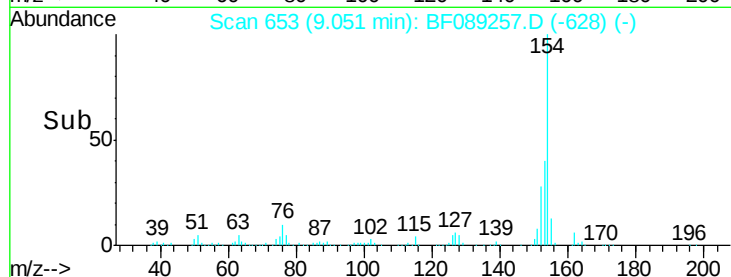
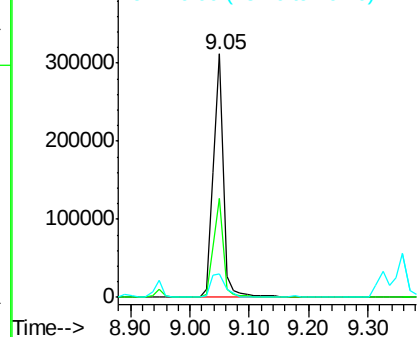
#45
 1,1'-Biphenyl
 Concen: 45.24 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.01 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion:154 Resp: 371532
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.1 61.1
 76 9.7 0.0 35.8

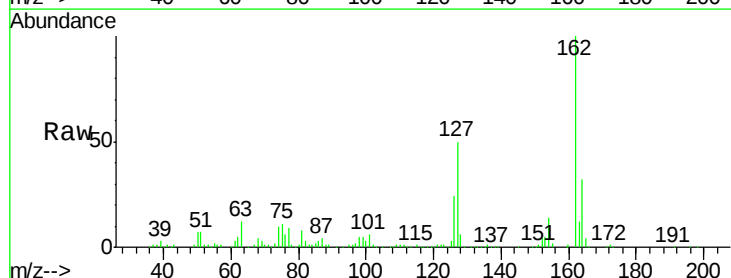


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

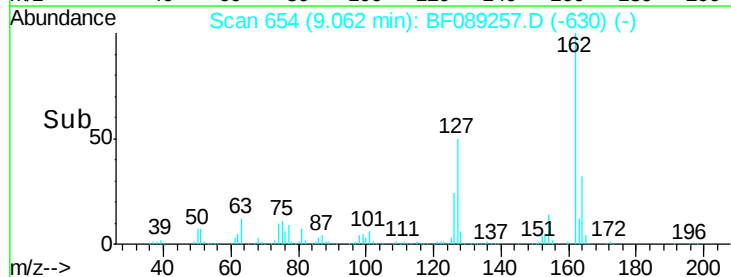
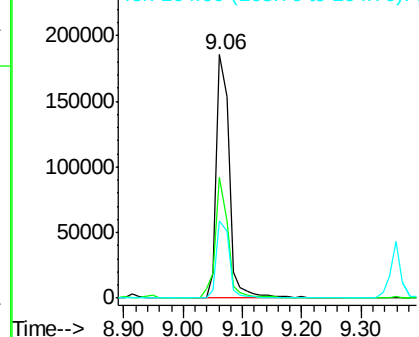


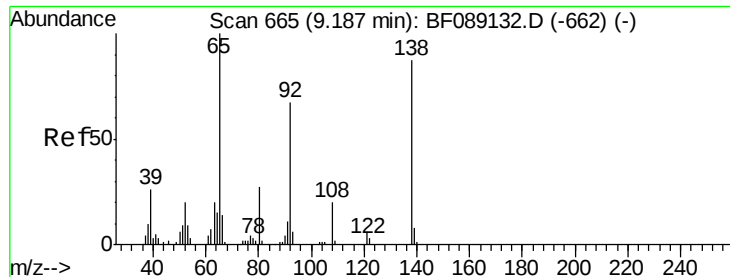
#46
 2-Chloronaphthalene
 Concen: 44.72 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:162 Resp: 279039
 Ion Ratio Lower Upper
 162 100
 127 49.7 38.1 57.1
 164 31.8 26.1 39.1



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

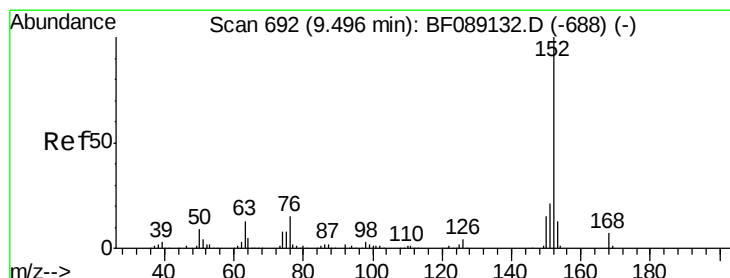
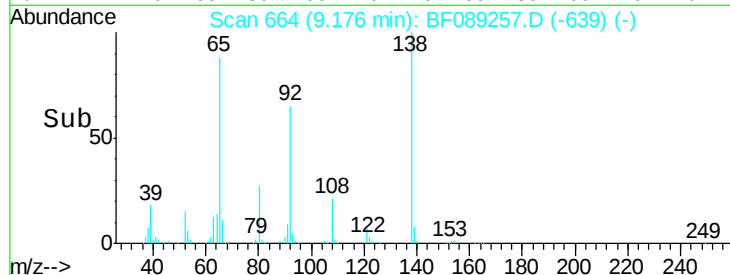
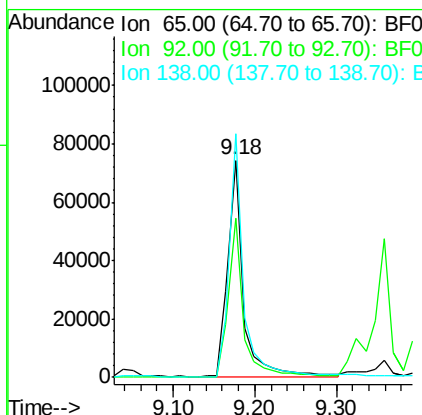
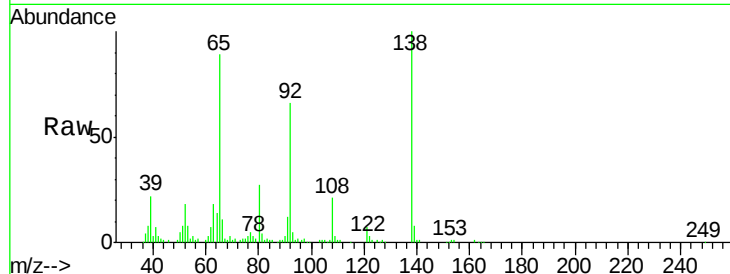




#47
2-Nitroaniline
Concen: 47.01 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

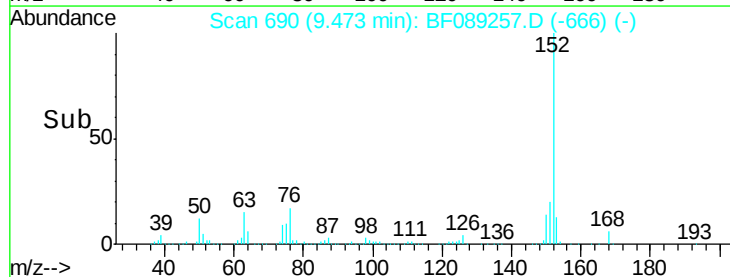
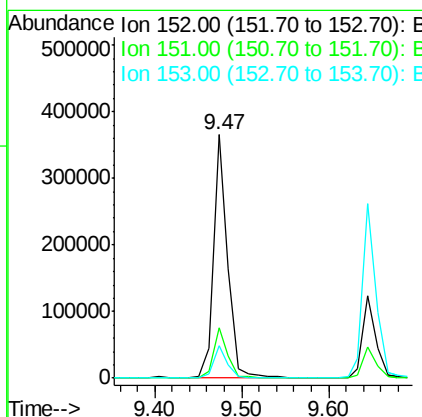
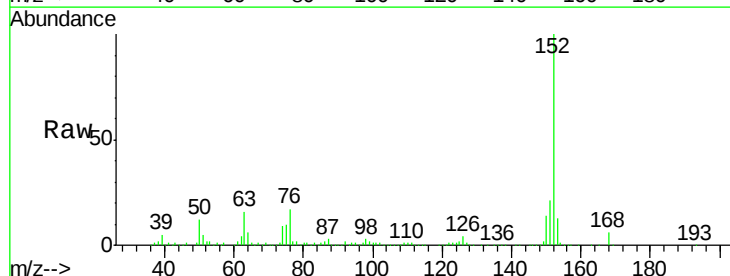
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

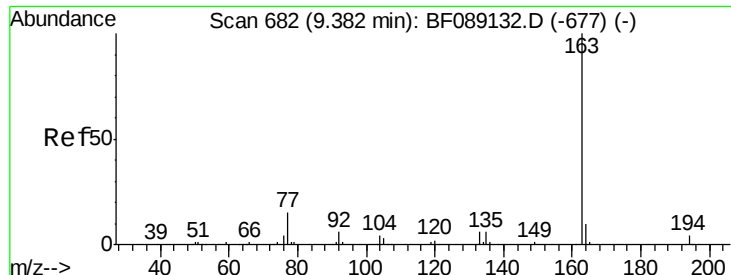
Tgt Ion: 65 Resp: 100620
Ion Ratio Lower Upper
65 100
92 73.5 53.2 79.8
138 112.1 69.4 104.2#



#48
Acenaphthylene
Concen: 42.59 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion: 152 Resp: 417787
Ion Ratio Lower Upper
152 100
151 20.5 16.5 24.7
153 13.4 10.7 16.1

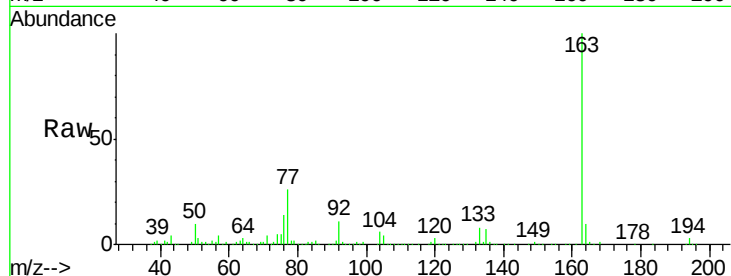




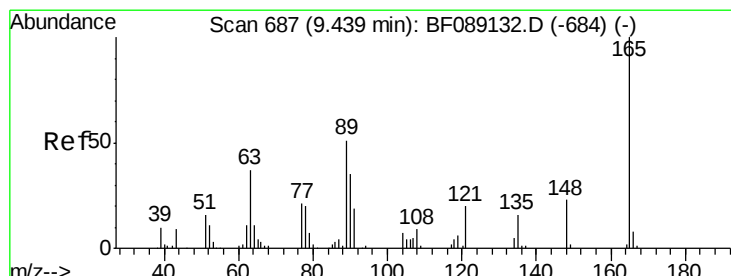
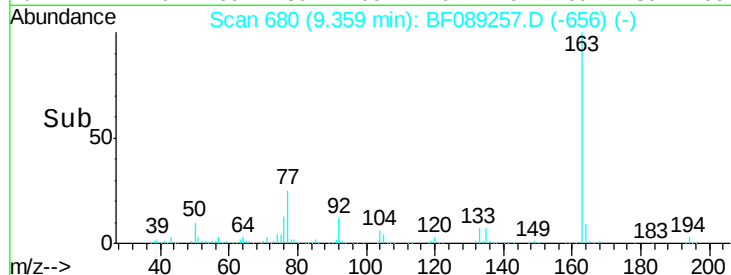
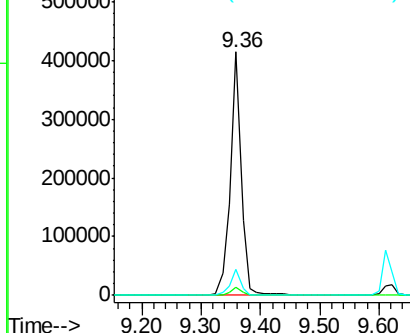
#49
Dimethylphthalate
Concen: 76.09 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:163 Resp: 532418
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 10.5 7.6 11.4

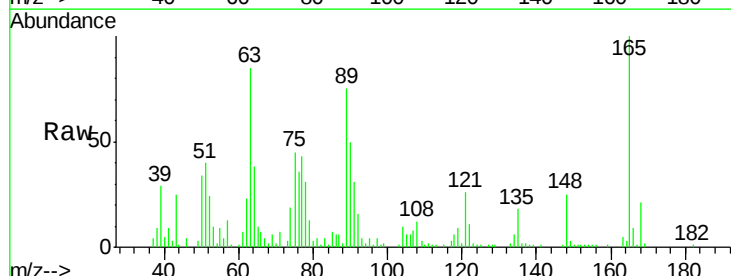


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

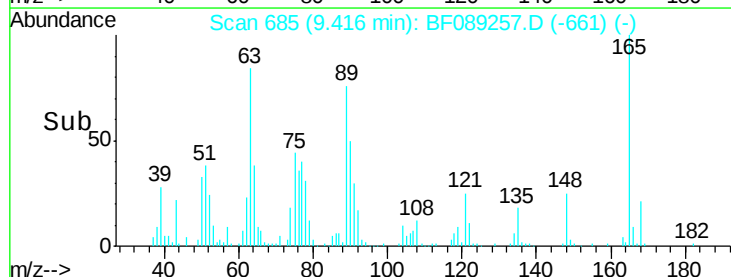
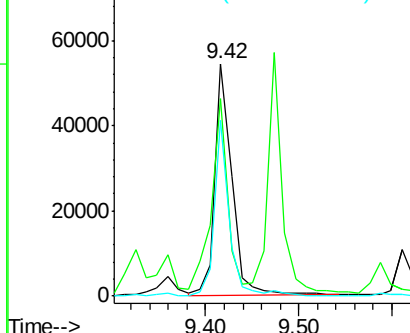


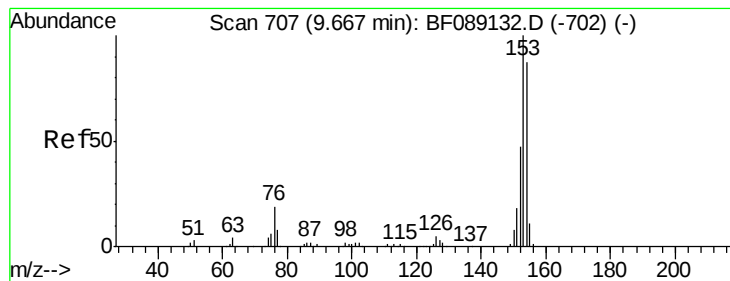
#50
2,6-Dinitrotoluene
Concen: 43.79 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:165 Resp: 69172
Ion Ratio Lower Upper
165 100
63 85.0 37.0 55.4#
89 75.4 40.9 61.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.46 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

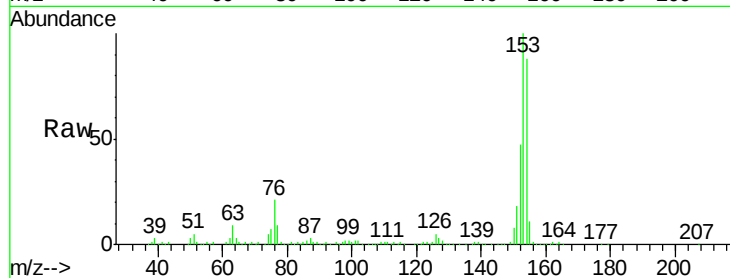
Tgt Ion:154 Resp: 246411

Ion Ratio Lower Upper

154 100

153 113.6 91.9 137.9

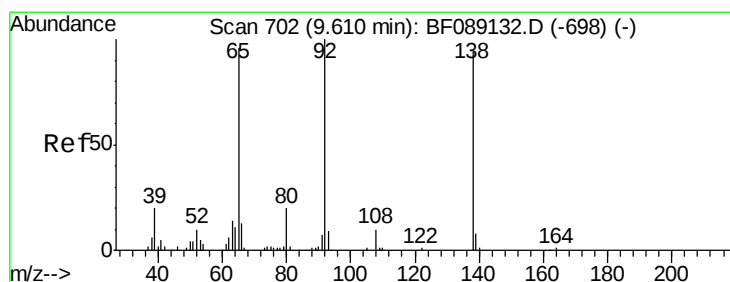
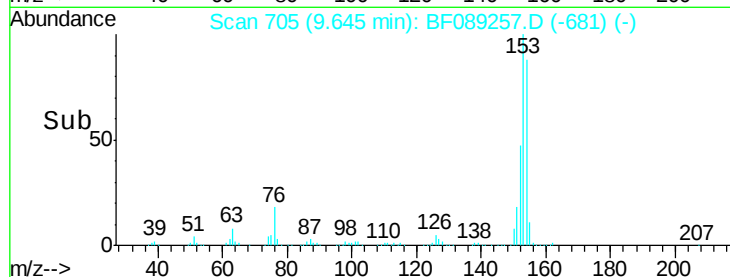
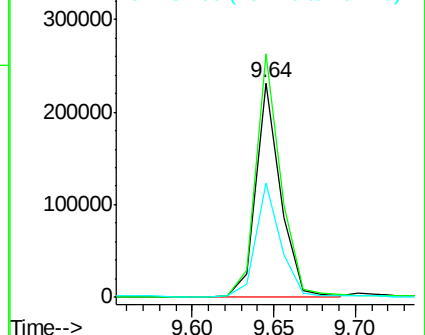
152 53.2 42.8 64.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.08 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

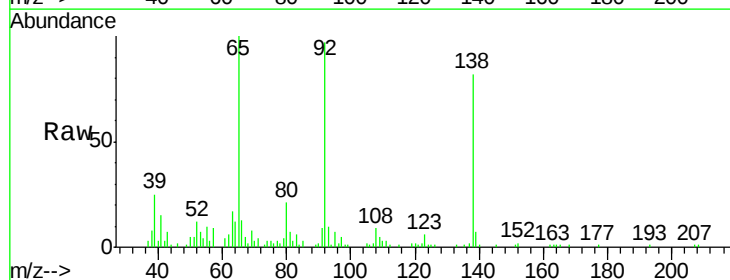
Tgt Ion:138 Resp: 56421

Ion Ratio Lower Upper

138 100

108 11.4 8.8 13.2

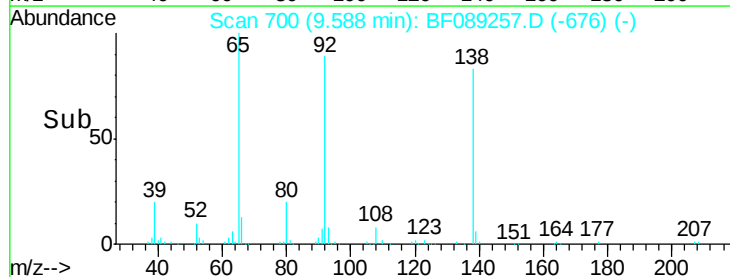
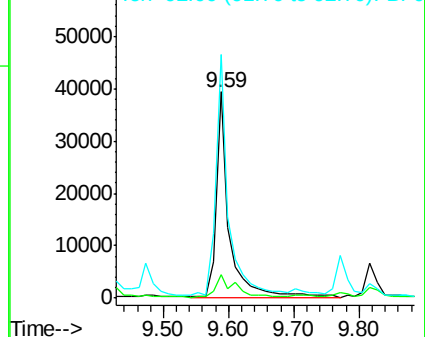
92 118.3 85.3 127.9

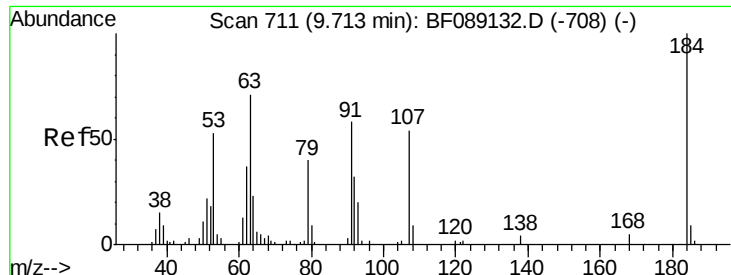


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

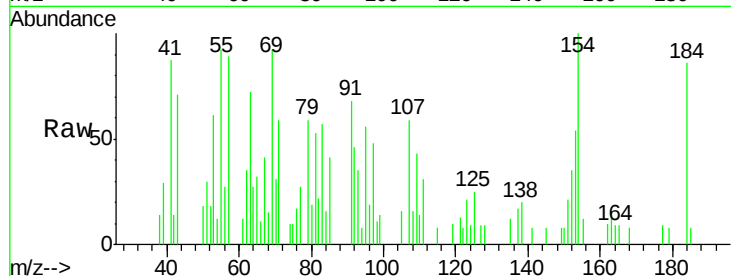




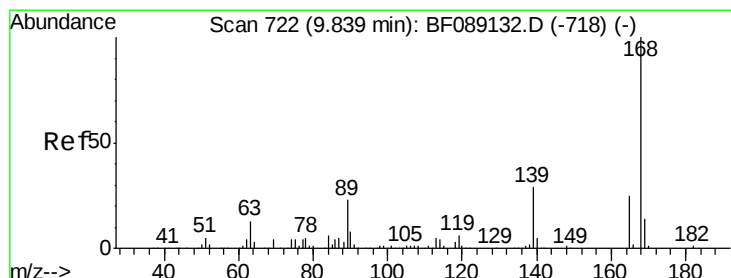
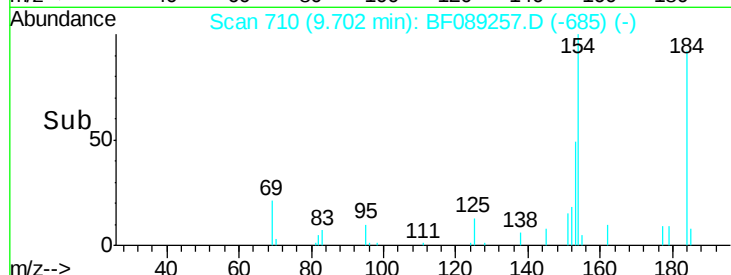
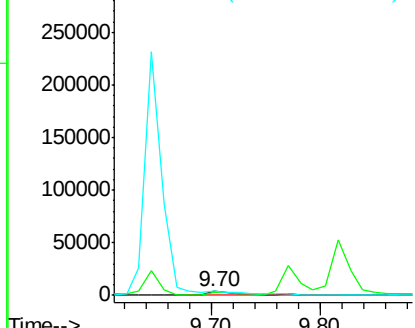
#53
2,4-Dinitrophenol
Concen: 18.17 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:184 Resp: 8695
Ion Ratio Lower Upper
184 100
63 84.7 60.3 90.5
154 116.9 60.7 91.1#

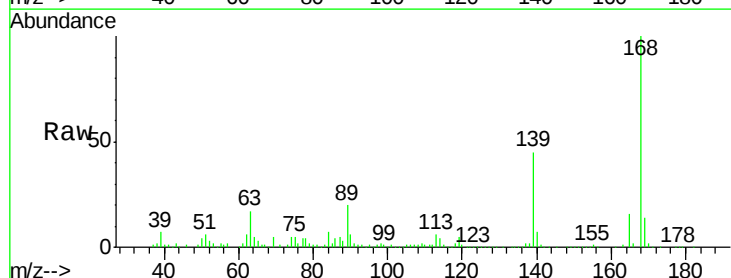


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

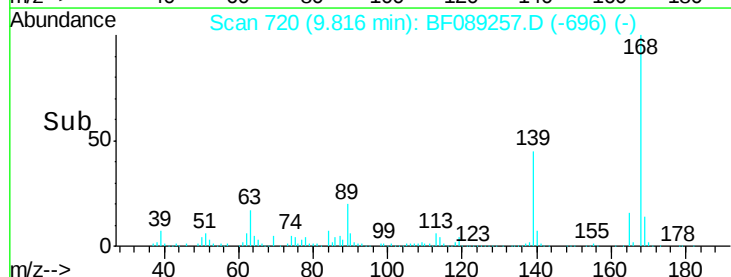
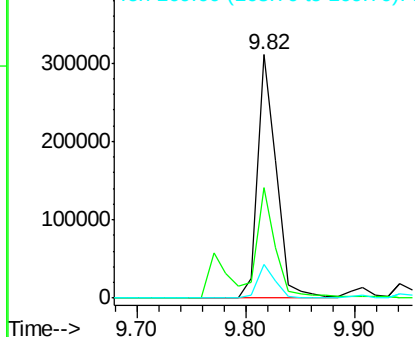


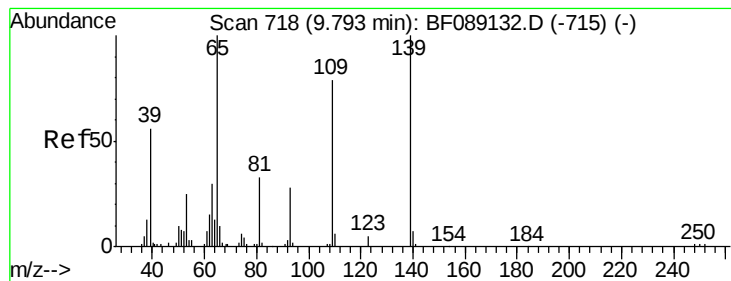
#54
Dibenzofuran
Concen: 47.90 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:168 Resp: 375632
Ion Ratio Lower Upper
168 100
139 45.4 34.4 51.6
169 13.9 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 65.09 ng

RT: 9.77 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

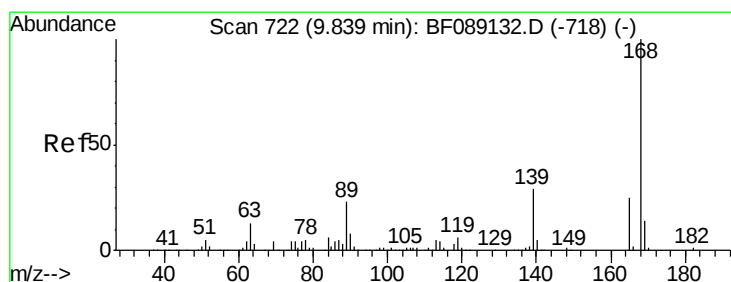
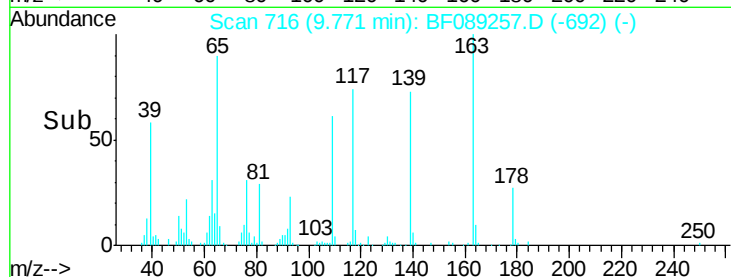
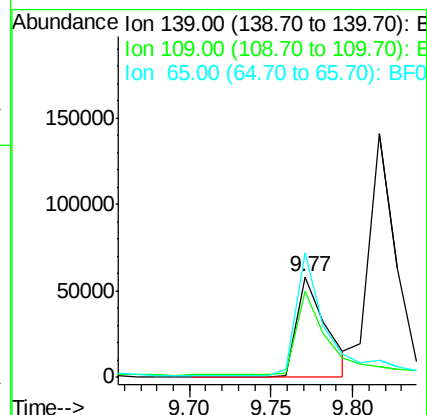
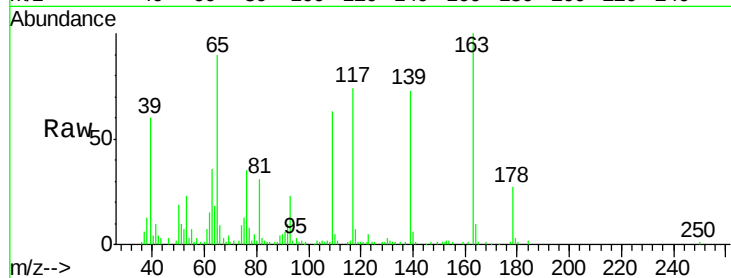
Tgt Ion:139 Resp: 73876

Ion Ratio Lower Upper

139 100

109 86.3 58.7 98.7

65 124.0 80.2 120.2#



#56

2,4-Dinitrotoluene

Concen: 44.10 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Tgt Ion:165 Resp: 89735

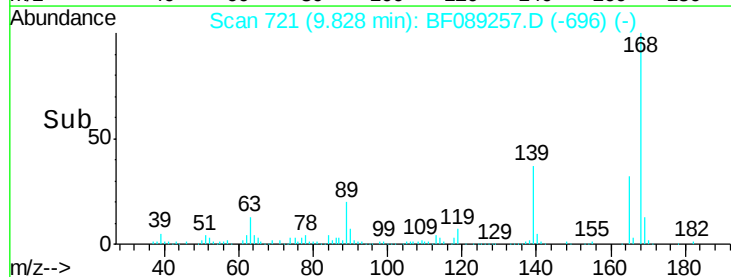
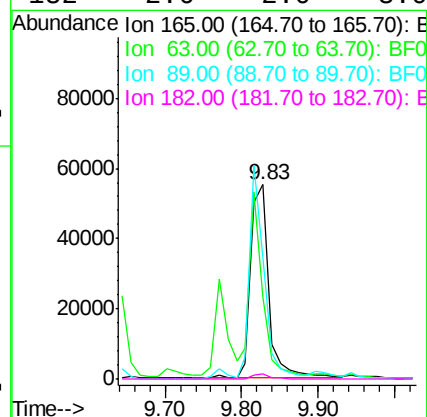
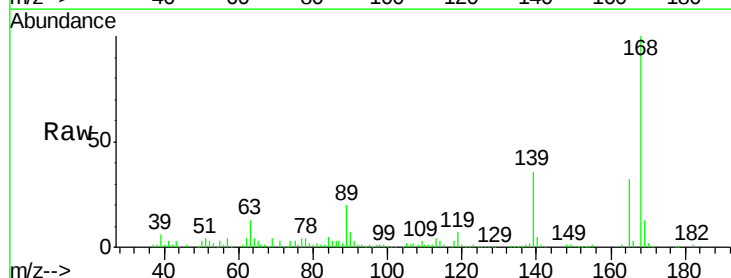
Ion Ratio Lower Upper

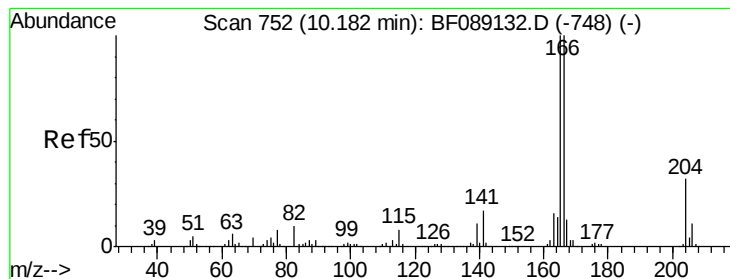
165 100

63 42.2 55.4 83.2#

89 62.5 74.3 111.5#

182 2.6 2.0 3.0





#57

Fluorene

Concen: 43.17 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

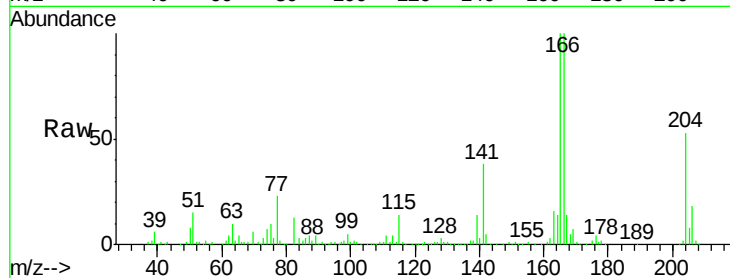
Tgt Ion:166 Resp: 287331

Ion Ratio Lower Upper

166 100

165 100.1 79.9 119.9

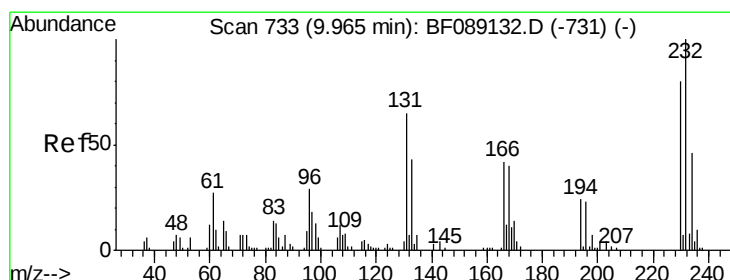
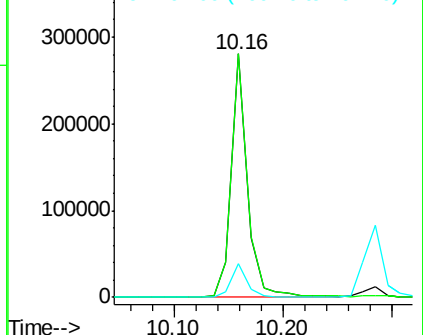
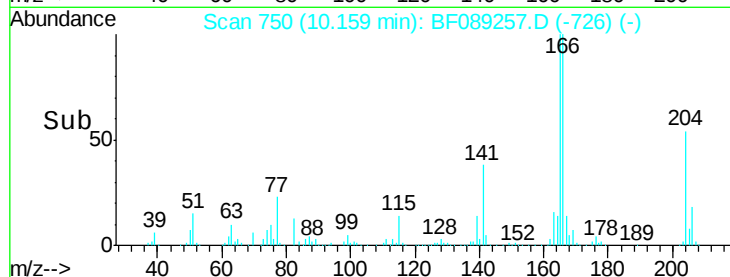
167 13.6 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.29 ng

RT: 9.94 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Tgt Ion:232 Resp: 66036

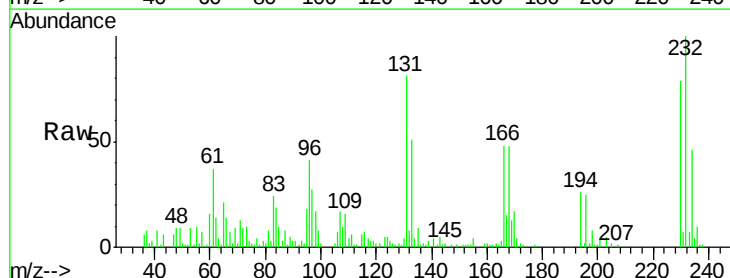
Ion Ratio Lower Upper

232 100

131 56.8 46.2 69.2

130 2.8 2.3 3.5

166 33.6 29.5 44.3

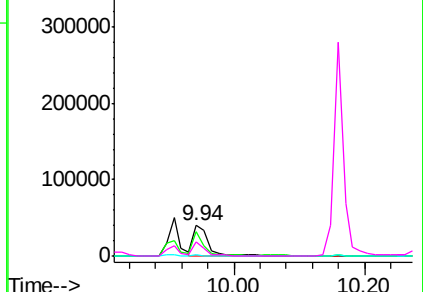
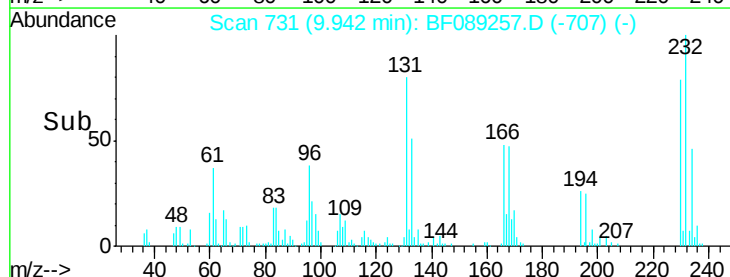


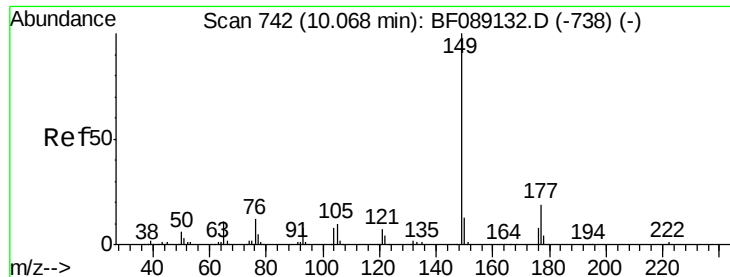
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

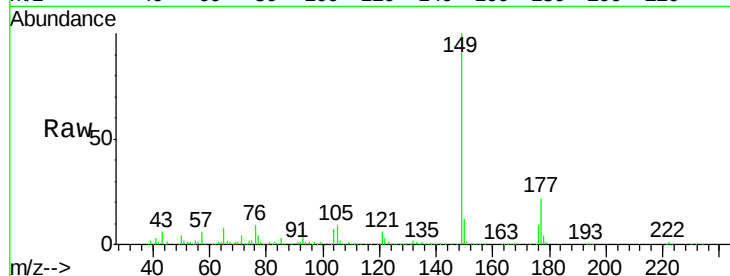




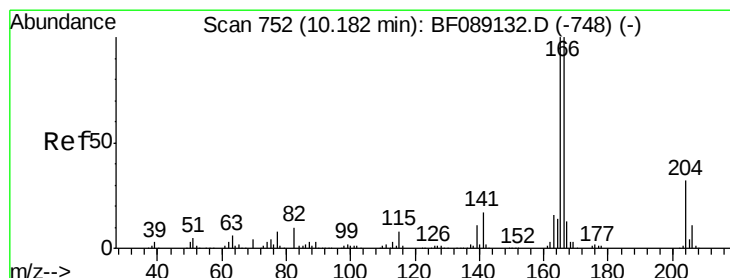
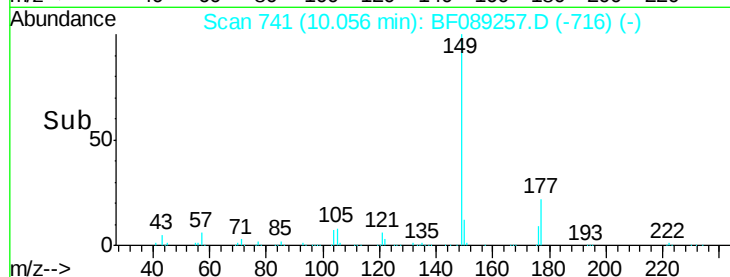
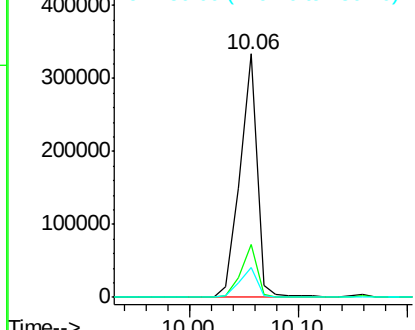
#59
Diethylphthalate
Concen: 51.78 ng
RT: 10.06 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:149 Resp: 359209
Ion Ratio Lower Upper
149 100
177 21.9 15.6 23.4
150 12.4 10.1 15.1

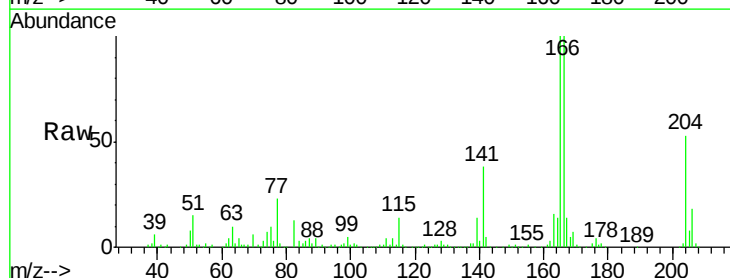


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

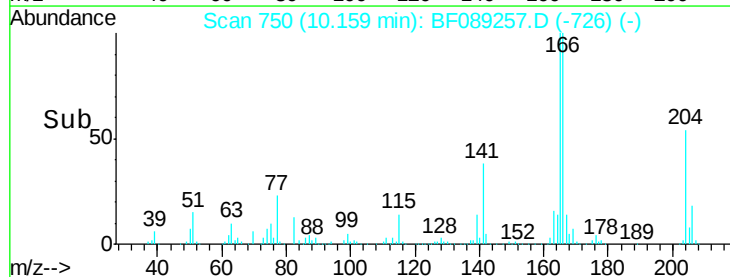
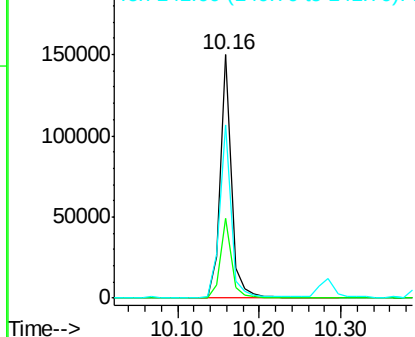


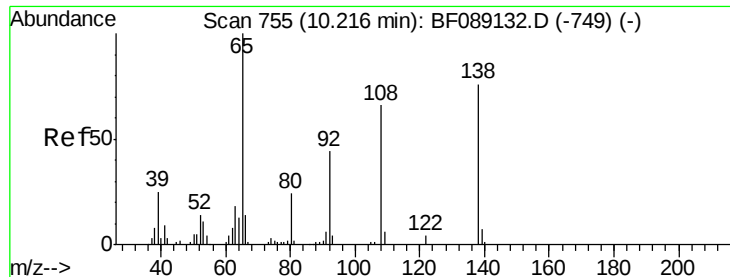
#60
4-Chlorophenyl-phenylether
Concen: 46.69 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:204 Resp: 141886
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.4
141 71.2 42.2 63.4#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

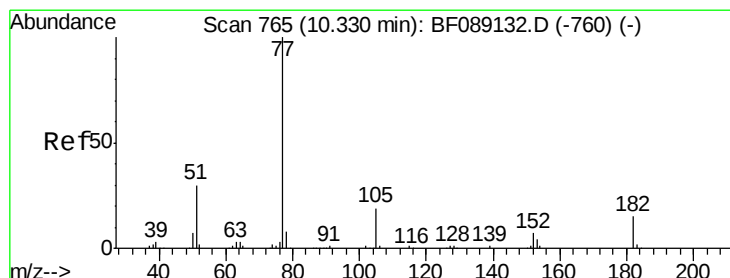
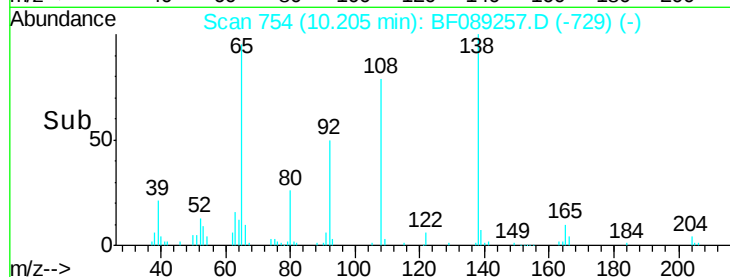
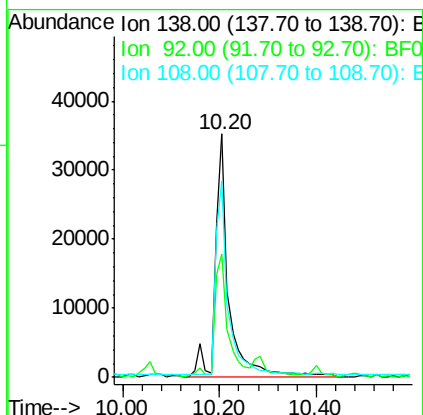
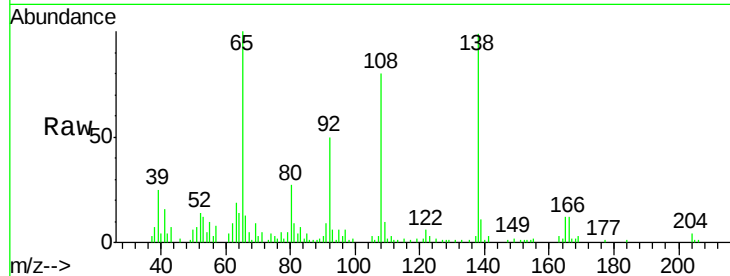




#61
4-Nitroaniline
Concen: 38.84 ng
RT: 10.20 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

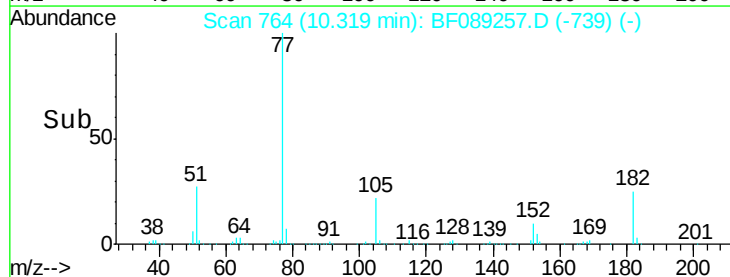
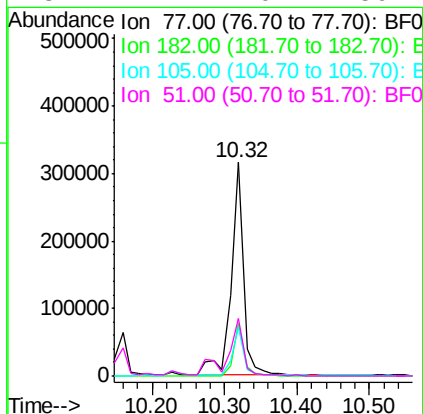
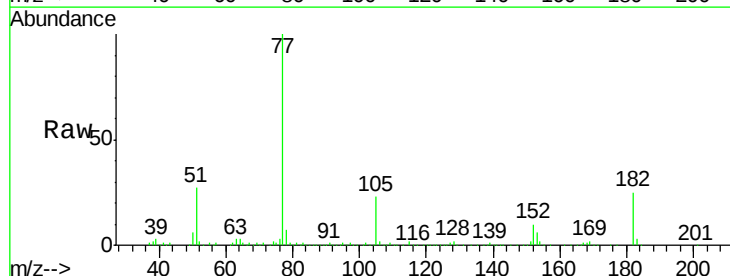
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

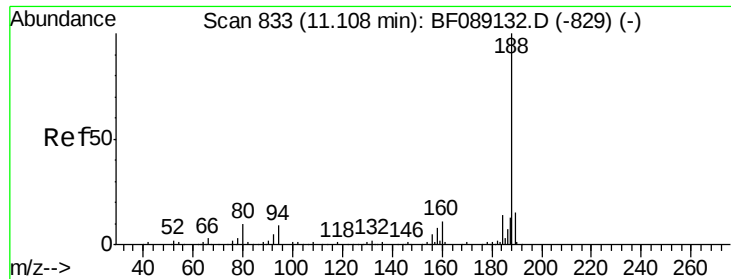
Tgt Ion:138 Resp: 70904
Ion Ratio Lower Upper
138 100
92 50.8 37.2 77.2
108 80.8 66.1 106.1



#62
Azobenzene
Concen: 50.04 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion: 77 Resp: 377322
Ion Ratio Lower Upper
77 100
182 24.8 0.0 35.0
105 22.7 0.0 39.4
51 27.1 10.7 50.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

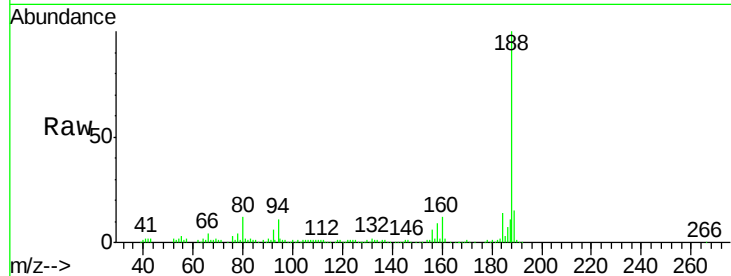
Tgt Ion:188 Resp: 156237

Ion Ratio Lower Upper

188 100

94 11.2 7.0 10.4#

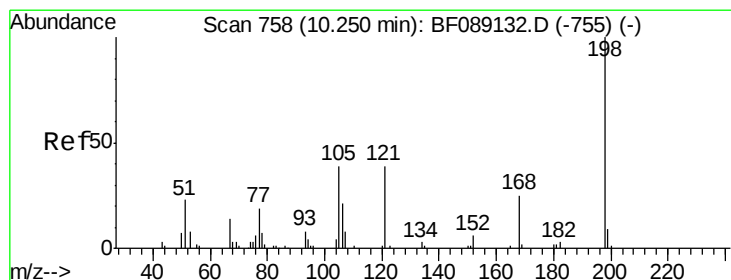
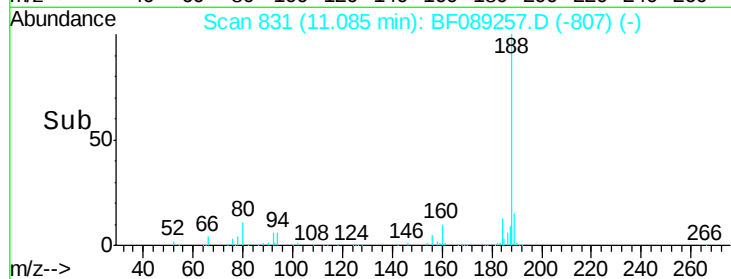
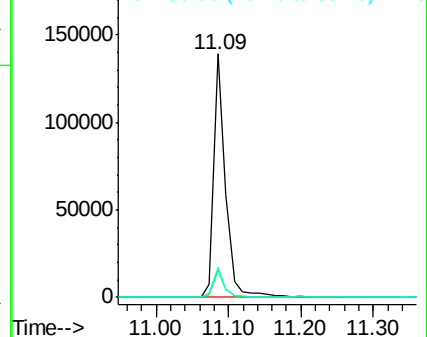
80 12.3 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 17.09 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

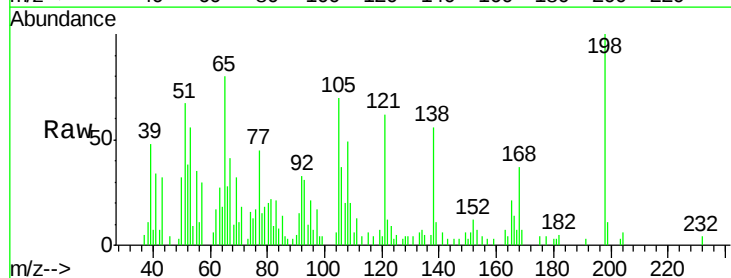
Tgt Ion:198 Resp: 15540

Ion Ratio Lower Upper

198 100

51 67.0 11.7 51.7#

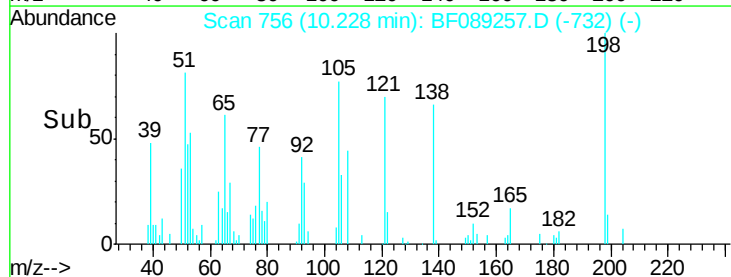
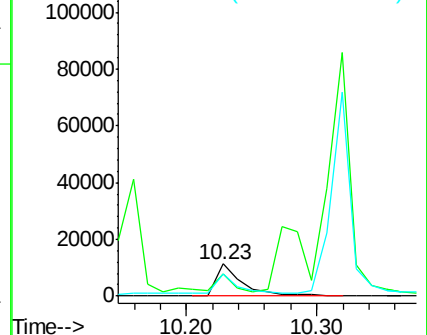
105 69.6 20.3 60.3#

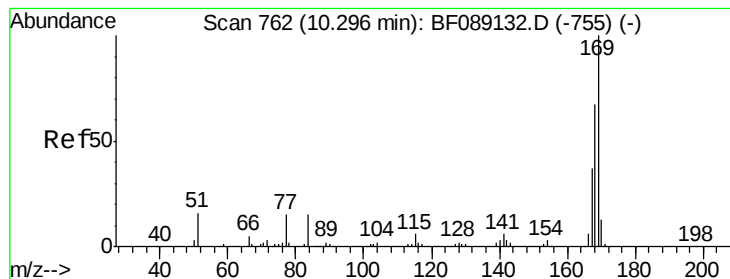


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 51.63 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

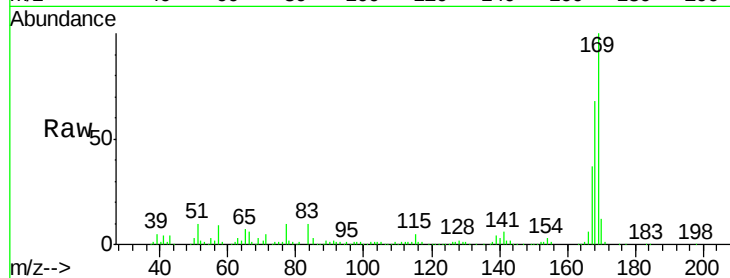
Tgt Ion:169 Resp: 269606

Ion Ratio Lower Upper

169 100

168 67.9 53.4 80.0

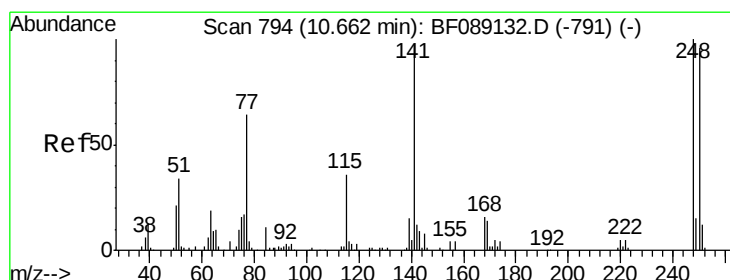
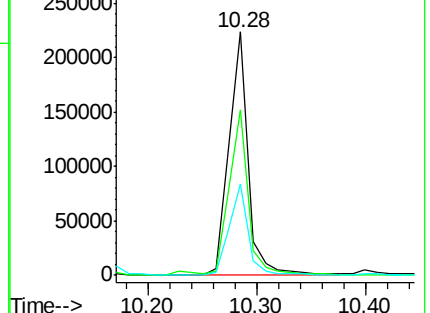
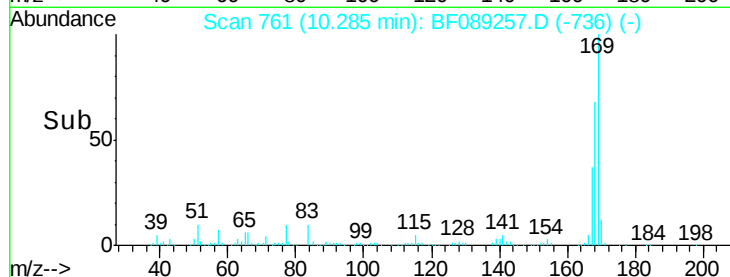
167 37.3 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 49.88 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

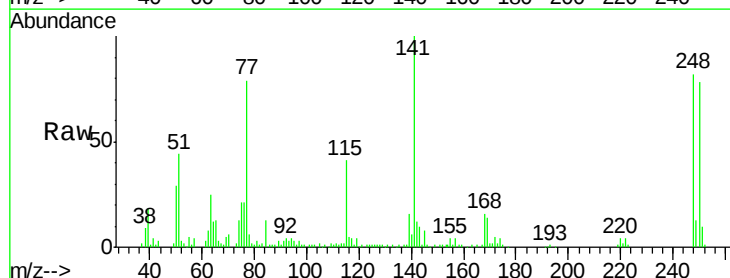
Tgt Ion:248 Resp: 77116

Ion Ratio Lower Upper

248 100

250 95.3 76.9 115.3

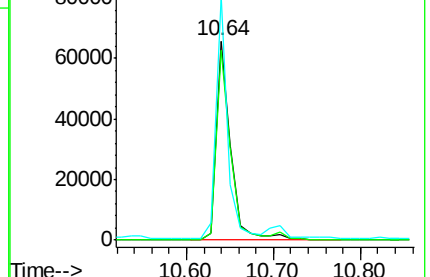
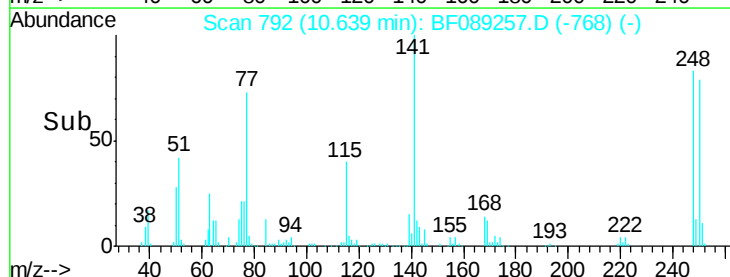
141 122.2 77.4 116.2#

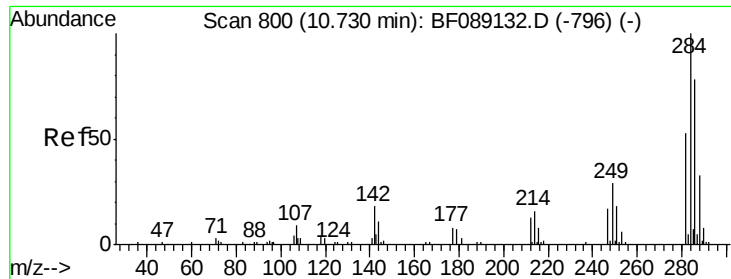


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

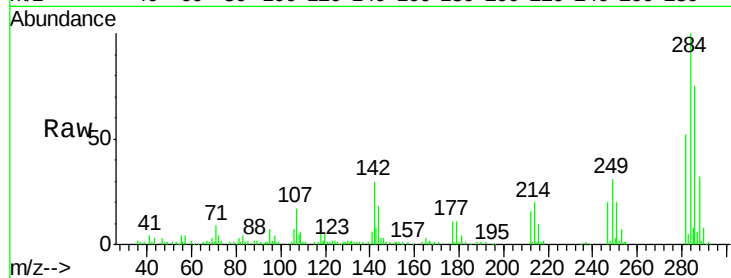




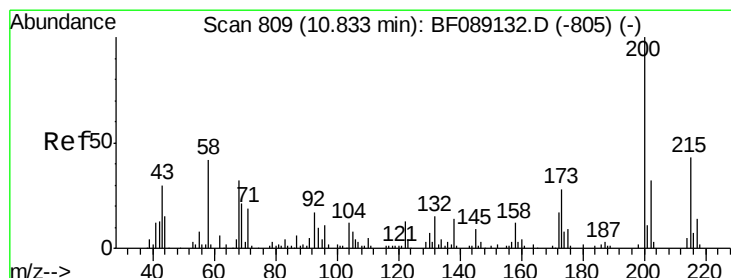
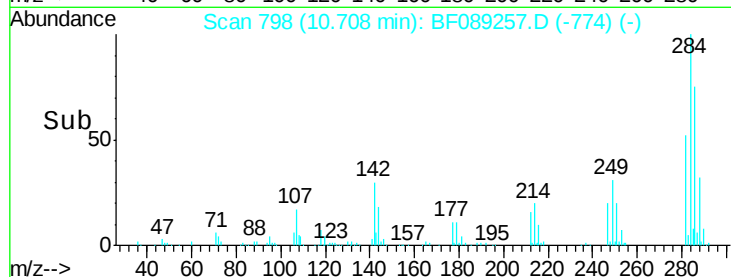
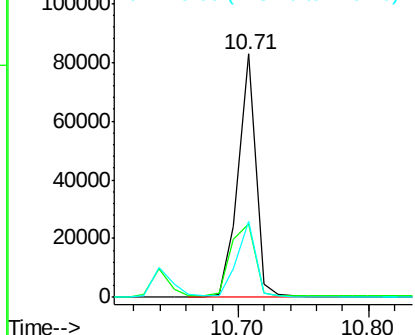
#67
Hexachlorobenzene
Concen: 47.34 ng
RT: 10.71 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:284 Resp: 78723
Ion Ratio Lower Upper
284 100
142 30.3 14.1 21.1#
249 31.4 23.0 34.4

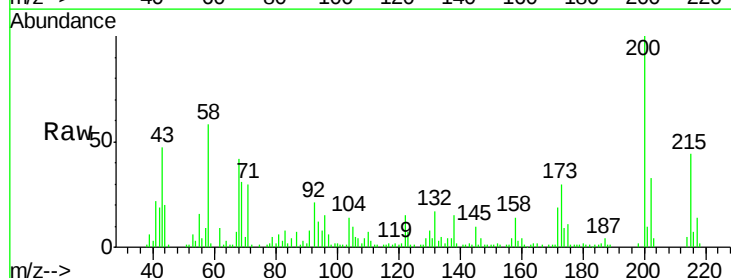


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

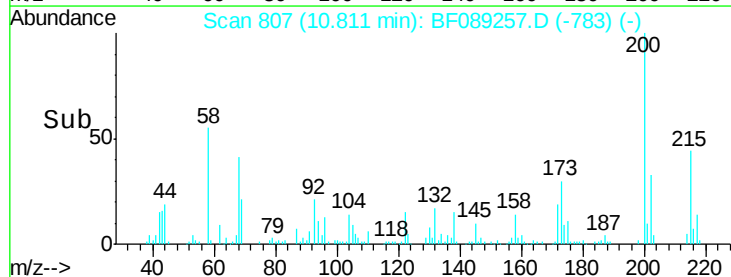
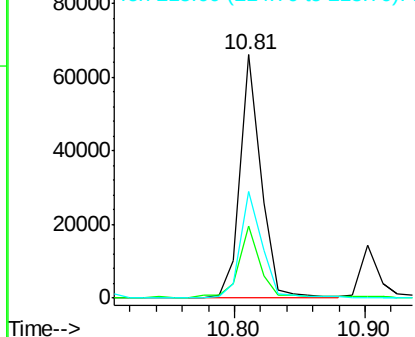


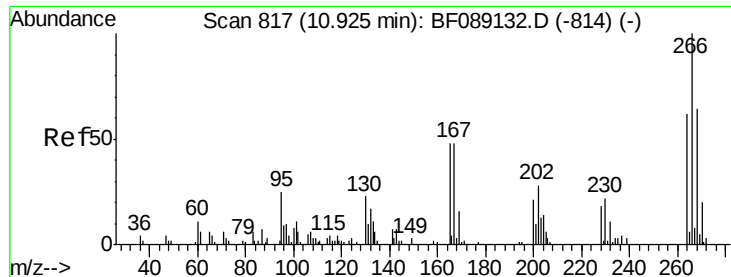
#68
Atrazine
Concen: 45.51 ng
RT: 10.81 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:200 Resp: 74313
Ion Ratio Lower Upper
200 100
173 29.8 7.8 47.8
215 44.0 22.9 62.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

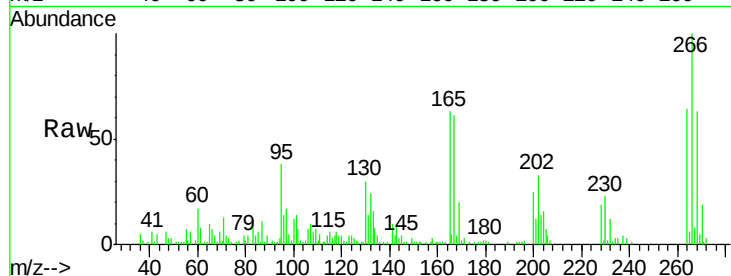




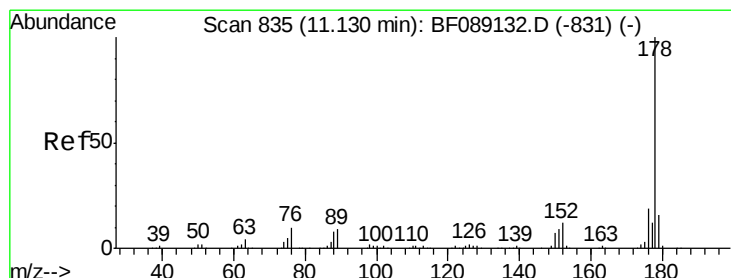
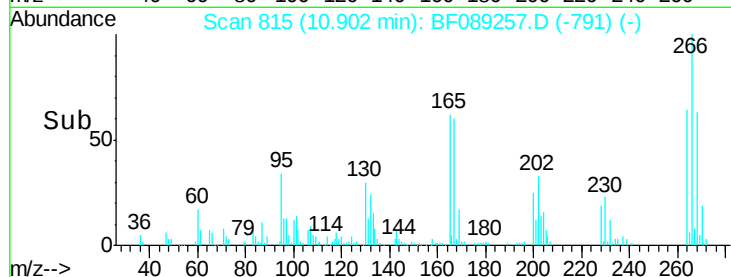
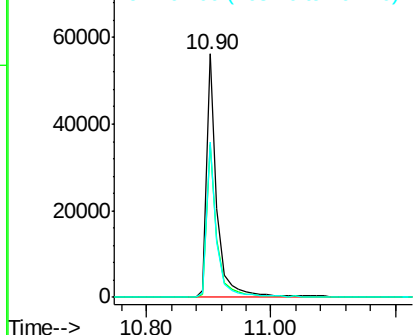
#69
 Pentachlorophenol
 Concen: 85.00 ng
 RT: 10.90 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion:266 Resp: 65212
 Ion Ratio Lower Upper
 266 100
 268 62.8 51.2 76.8
 264 63.8 49.7 74.5

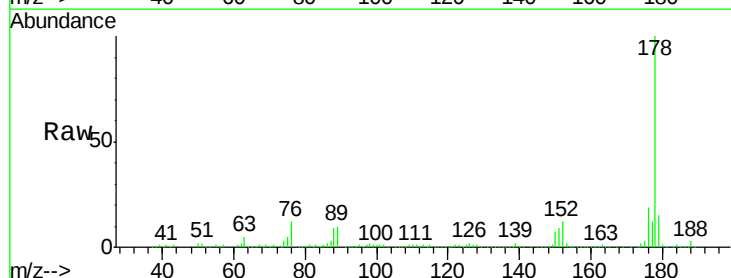


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

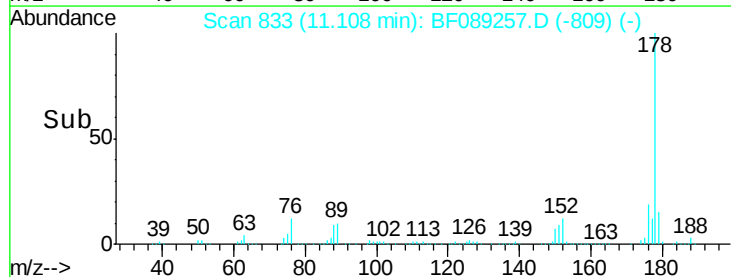
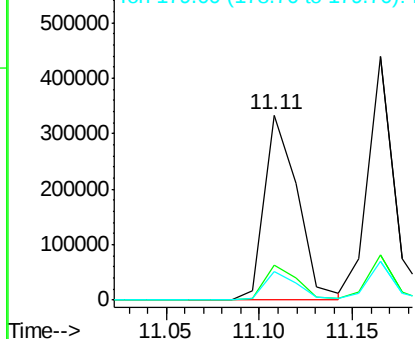


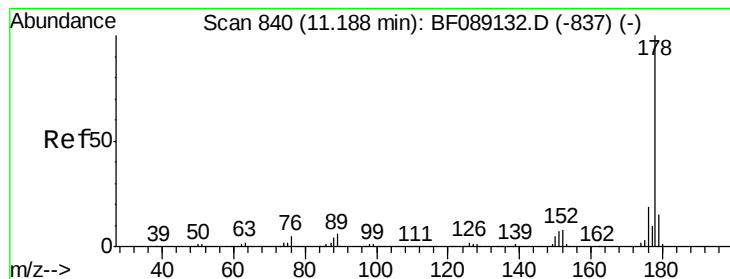
#70
 Phenanthrene
 Concen: 47.86 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:178 Resp: 410220
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 15.4 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 49.72 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

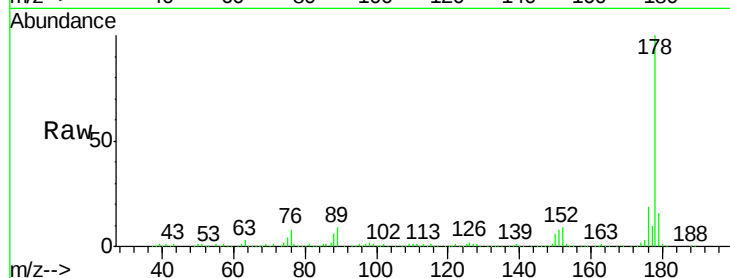
Tgt Ion:178 Resp: 442883

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

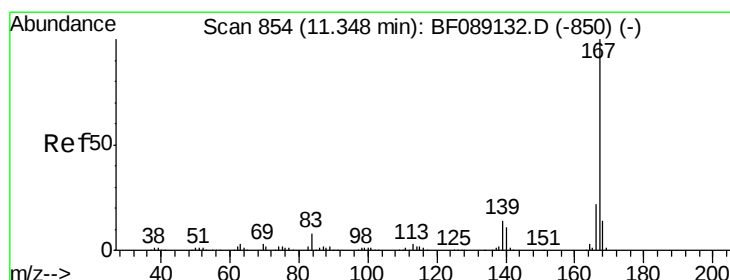
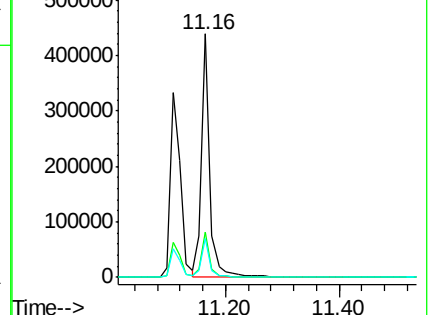
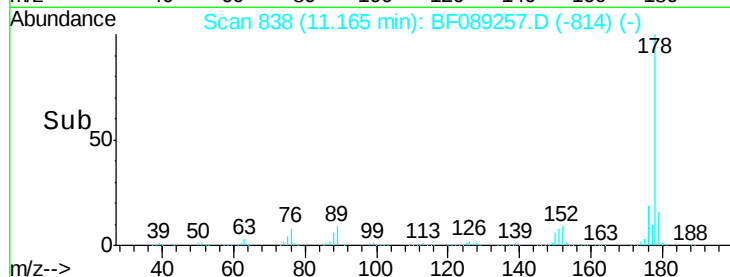
179 15.7 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 48.15 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

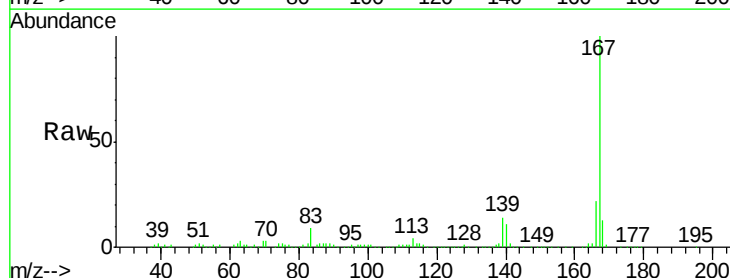
Tgt Ion:167 Resp: 376764

Ion Ratio Lower Upper

167 100

166 22.2 17.7 26.5

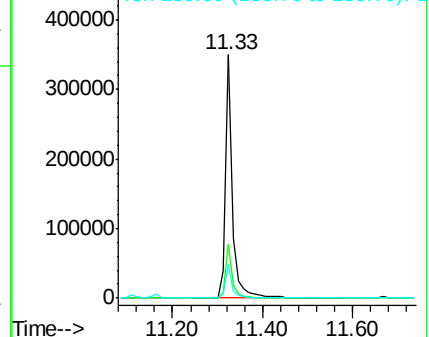
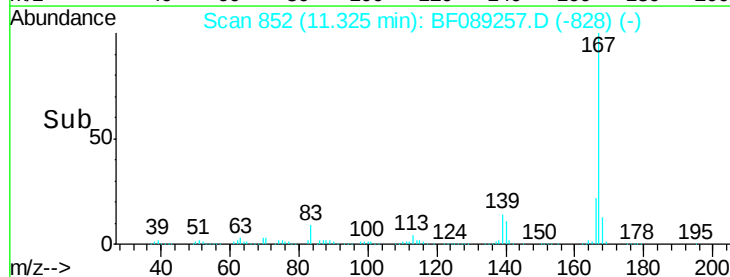
139 14.0 11.0 16.4

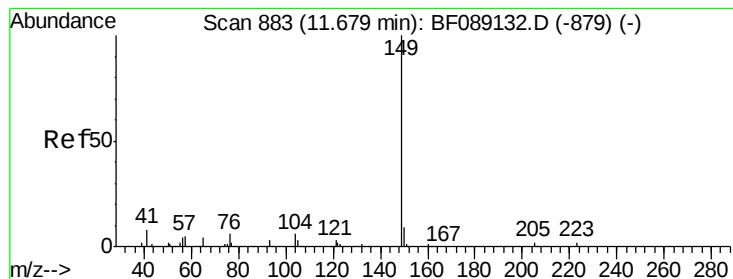


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 53.70 ng

RT: 11.67 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

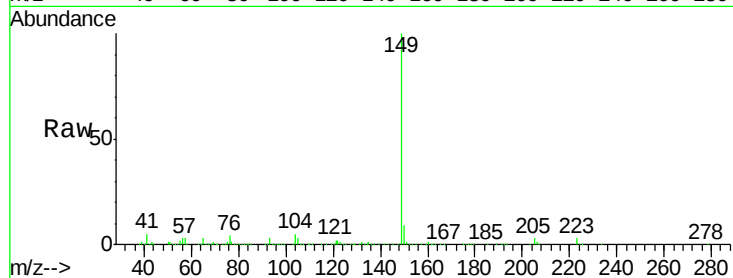
Tgt Ion:149 Resp: 519726

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

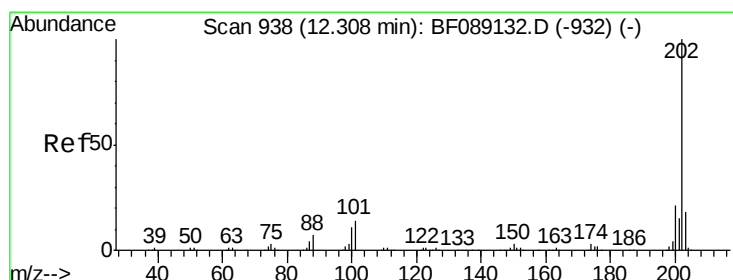
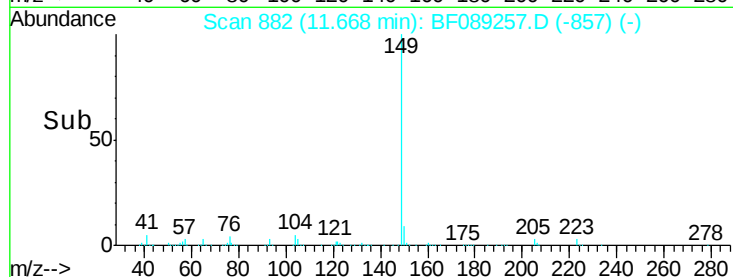
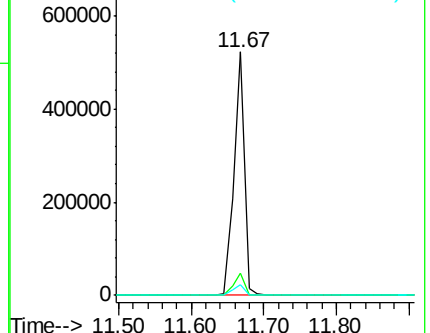
104 4.6 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.97 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

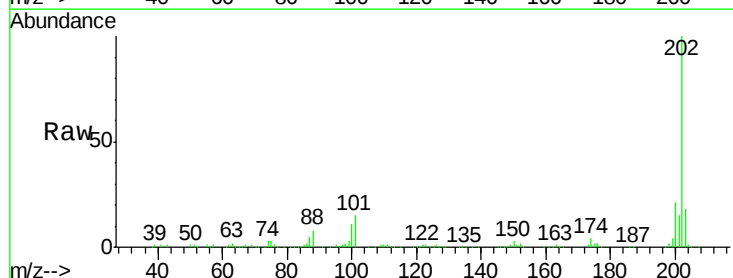
Tgt Ion:202 Resp: 387092

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.0

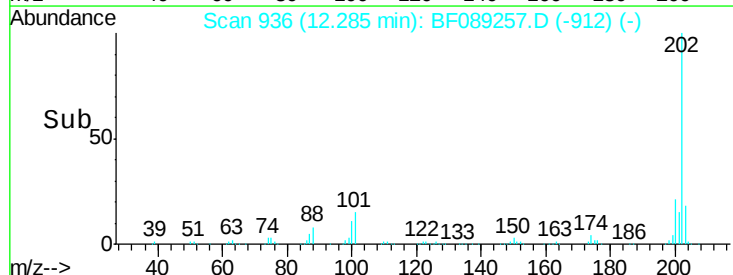
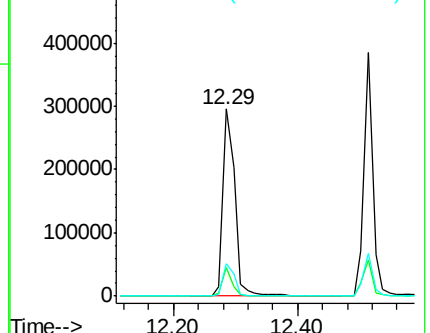
203 17.6 0.0 37.8

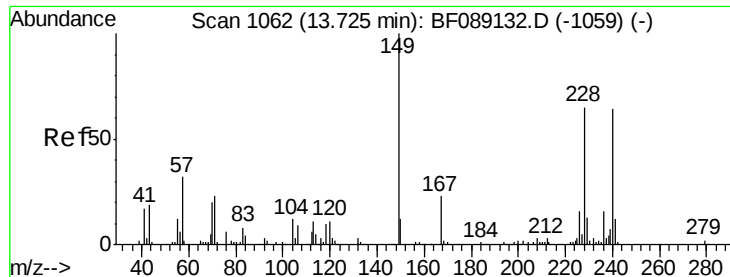


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

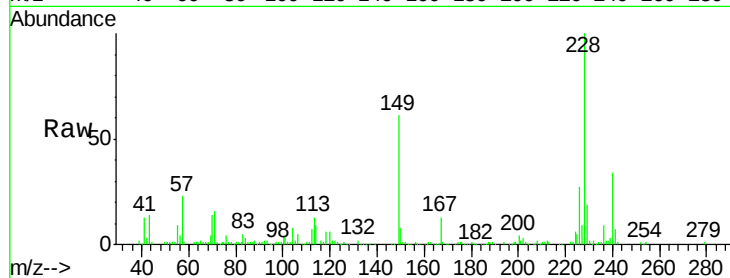
Tgt Ion:240 Resp: 91854

Ion Ratio Lower Upper

240 100

120 17.3 13.6 20.4

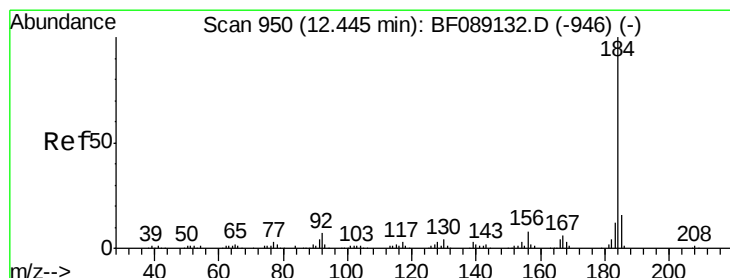
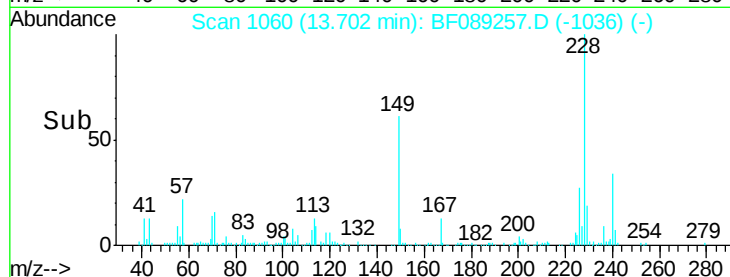
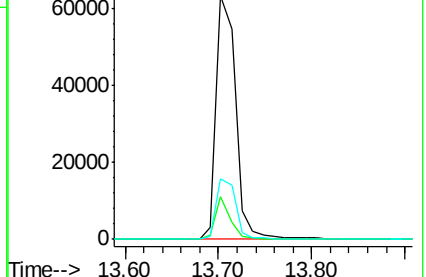
236 25.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 50.72 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

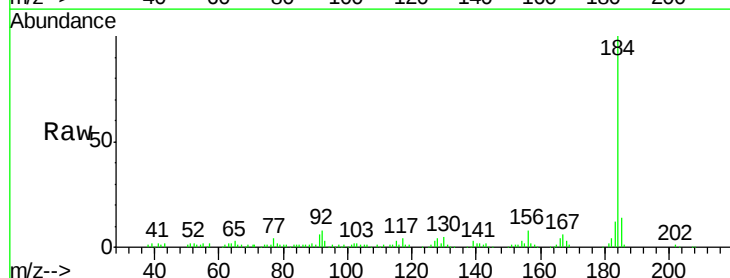
Tgt Ion:184 Resp: 160163

Ion Ratio Lower Upper

184 100

185 14.5 12.5 18.7

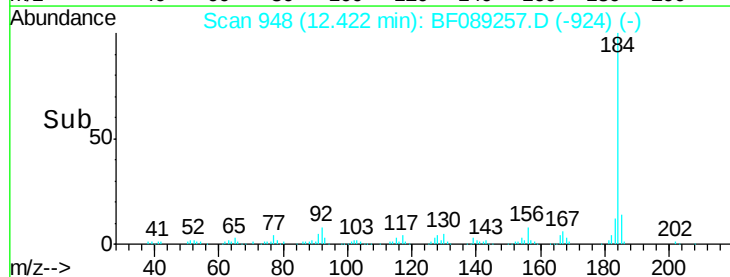
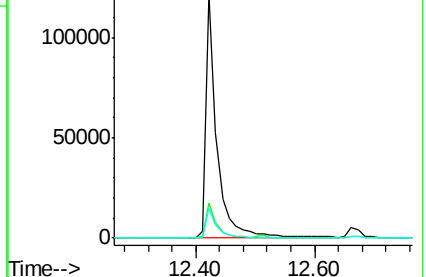
183 12.1 9.6 14.4

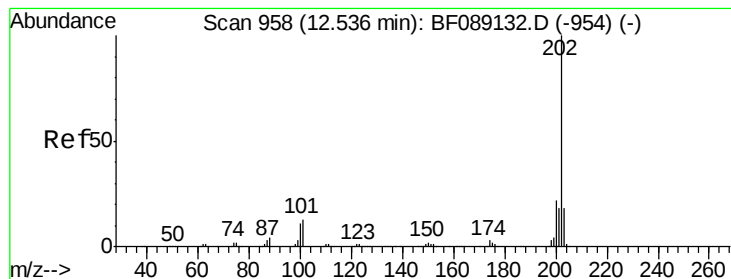


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 49.40 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

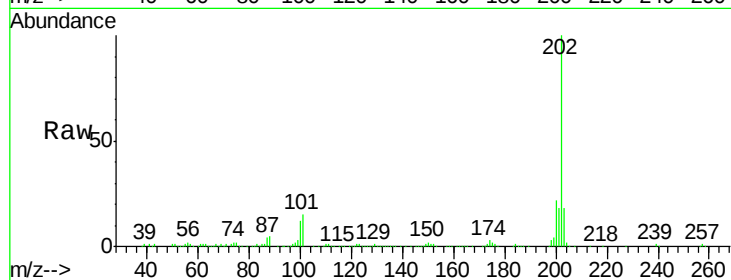
Tgt Ion:202 Resp: 374765

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.0

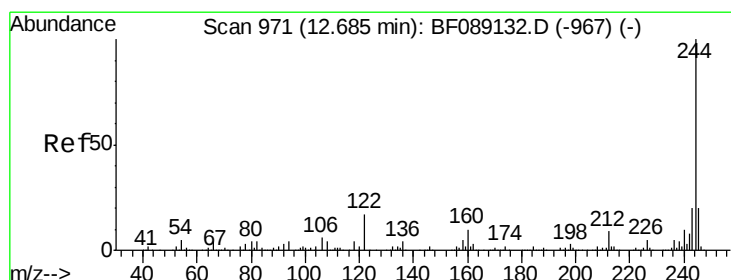
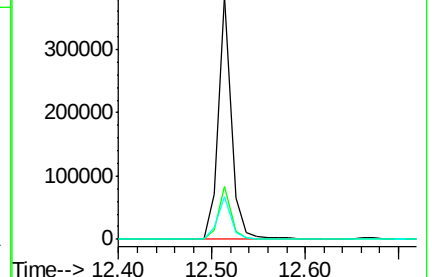
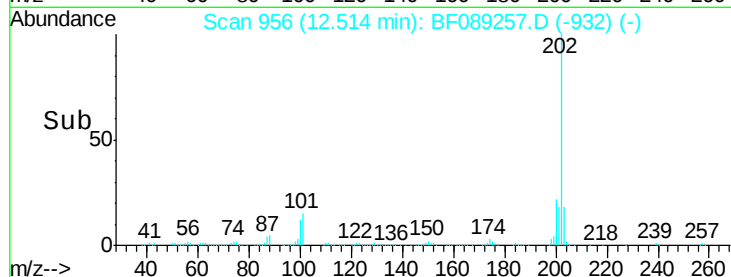
203 17.7 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 95.87 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

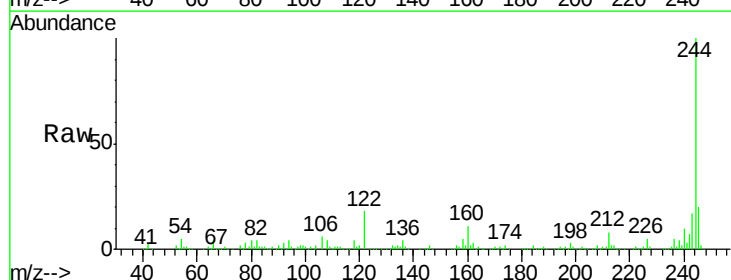
Tgt Ion:244 Resp: 405985

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

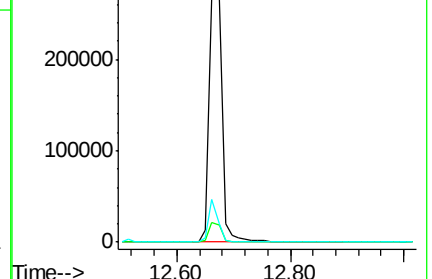
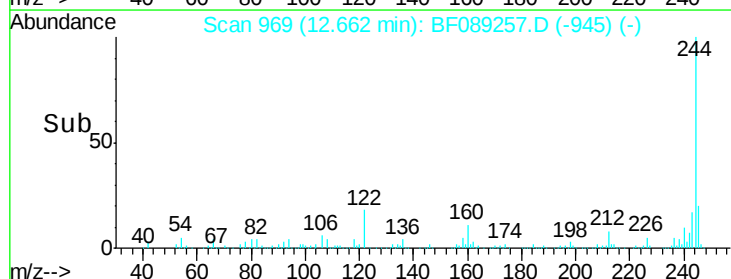
122 17.5 13.8 20.8

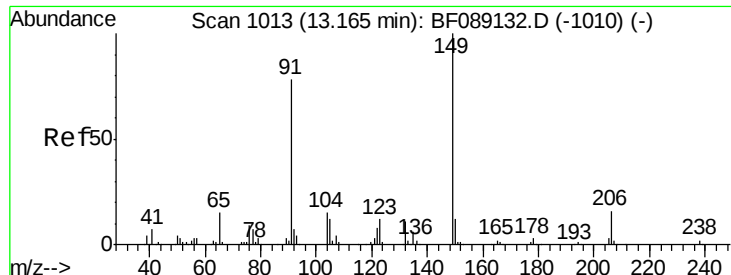


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

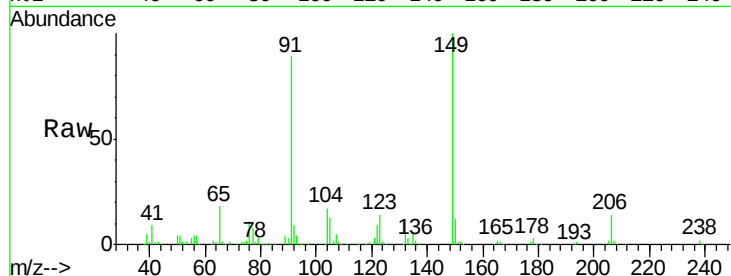




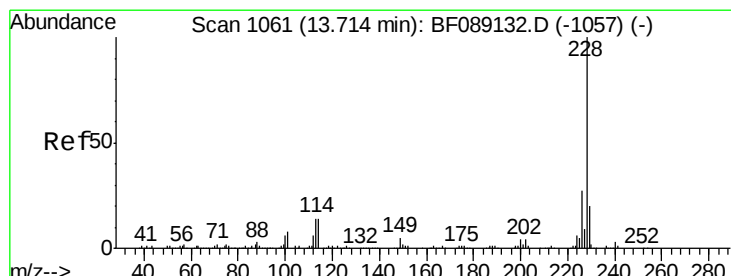
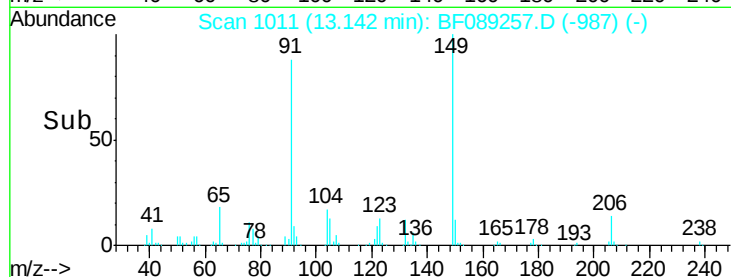
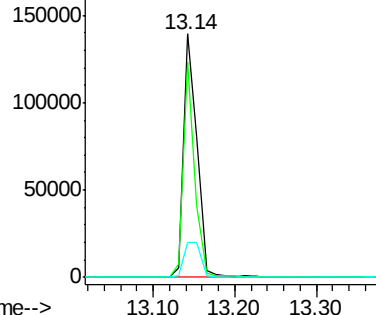
#79
Butylbenzylphthalate
Concen: 50.35 ng
RT: 13.14 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

Tgt Ion:149 Resp: 161581
Ion Ratio Lower Upper
149 100
91 88.7 62.6 93.8
206 14.5 13.2 19.8

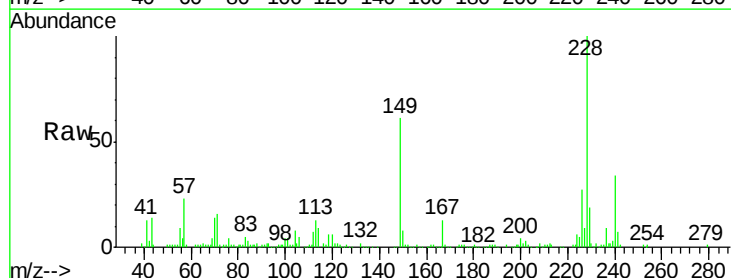


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

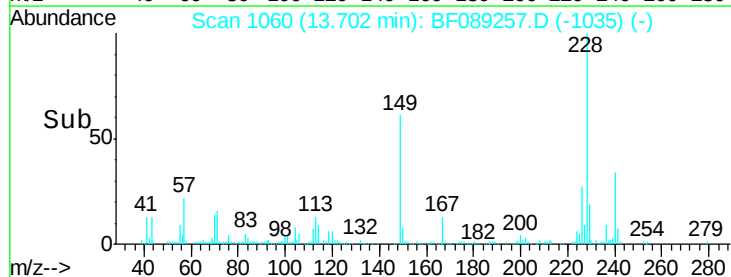
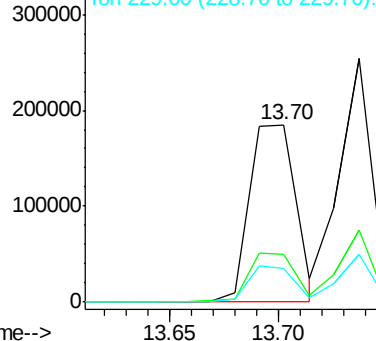


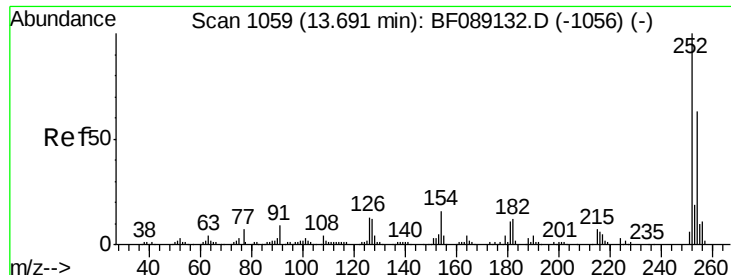
#80
Benzo(a)anthracene
Concen: 47.26 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:228 Resp: 276464
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.8
229 19.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

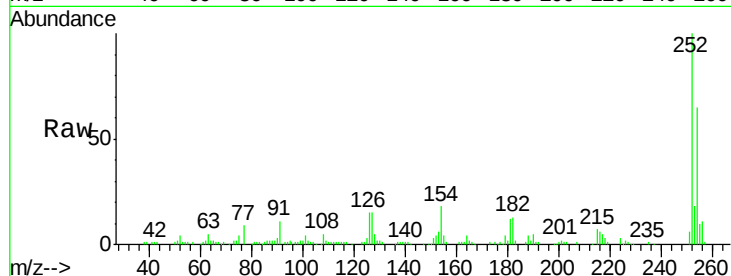




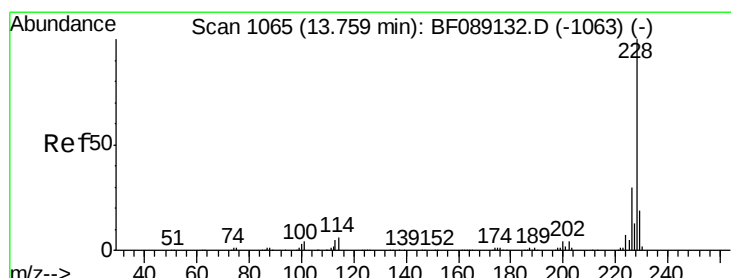
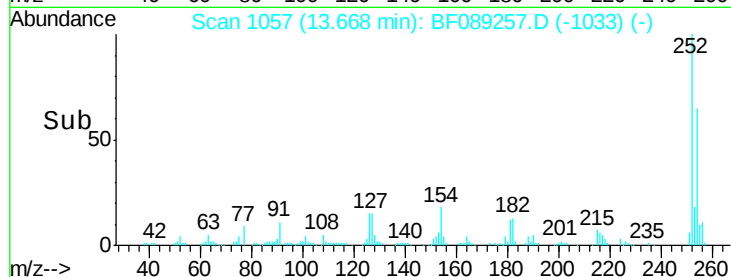
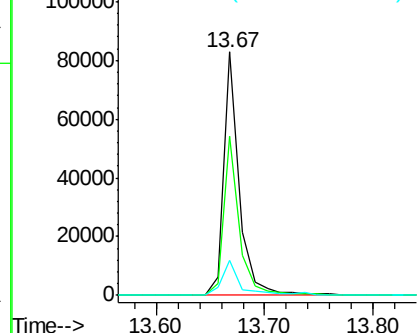
#81
 3,3'-Dichlorobenzidine
 Concen: 42.86 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	50.4	75.6
126	14.6	10.2	15.2

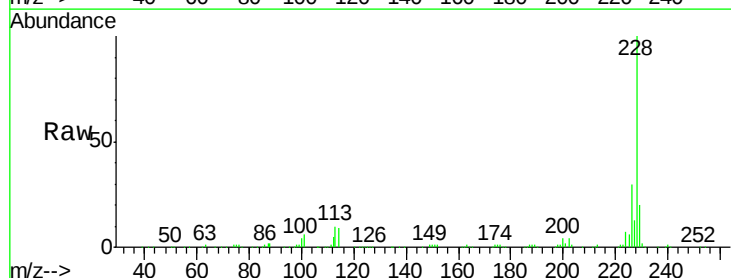


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

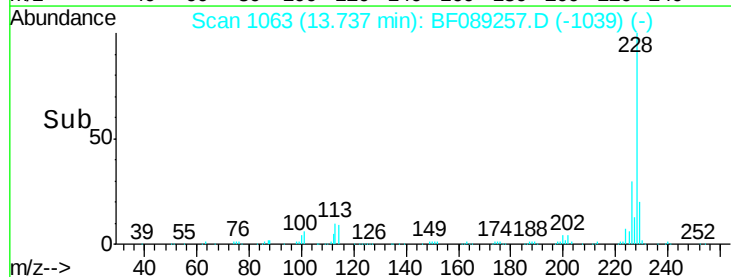
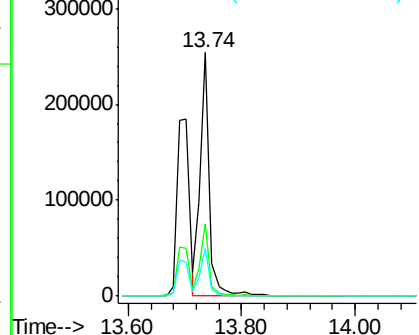


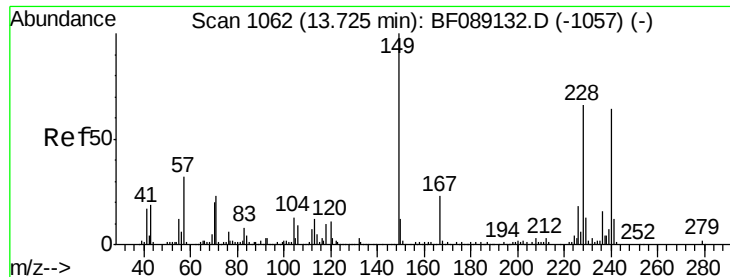
#82
 Chrysene
 Concen: 51.38 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	19.6	15.4	23.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

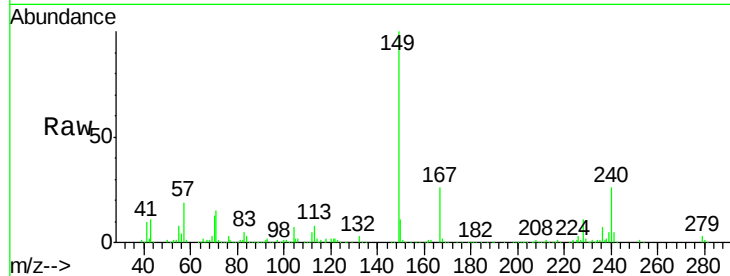




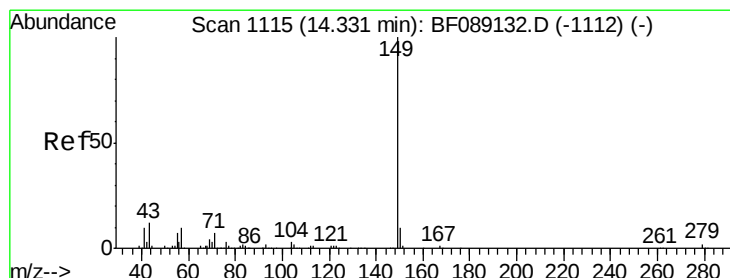
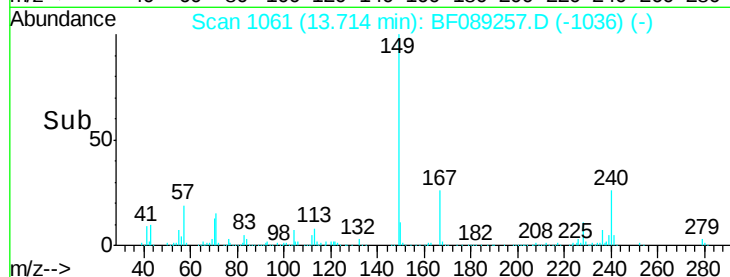
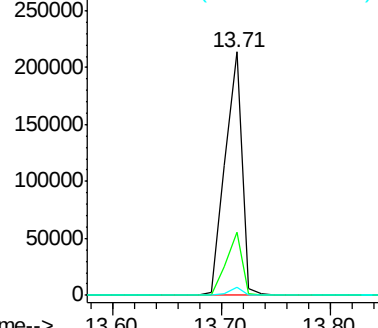
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 54.71 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

Tgt Ion:149 Resp: 232853
 Ion Ratio Lower Upper
 149 100
 167 26.0 18.6 28.0
 279 3.5 1.6 2.4#

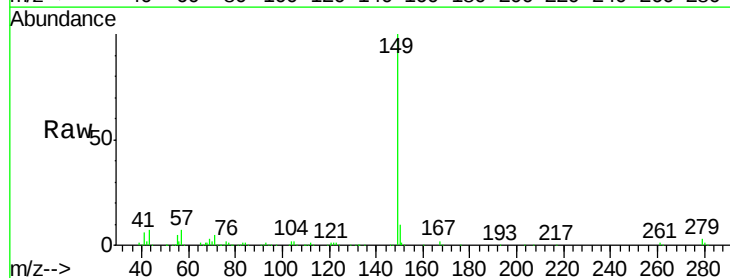


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

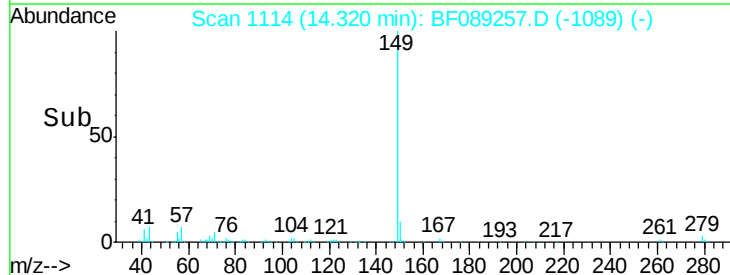
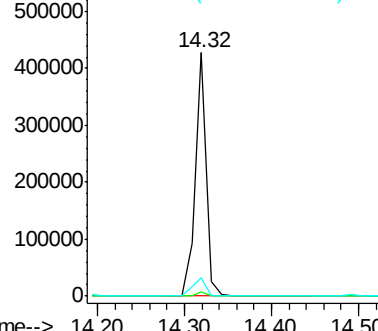


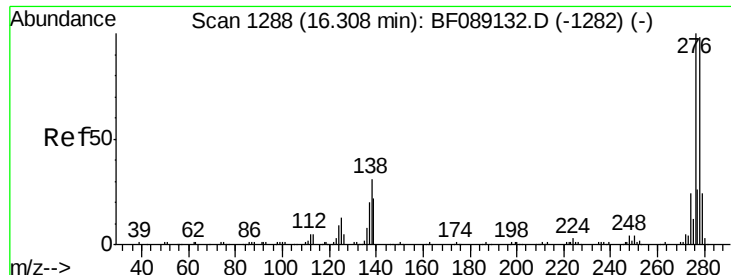
#84
 Di-n-octyl phthalate
 Concen: 54.39 ng
 RT: 14.32 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion:149 Resp: 382006
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 8.9 7.3 10.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

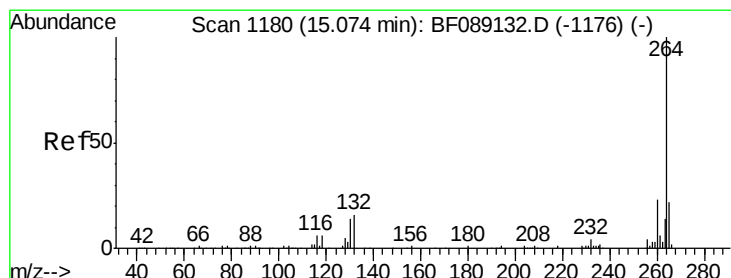
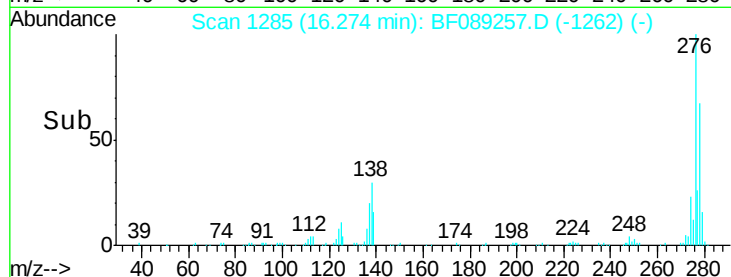
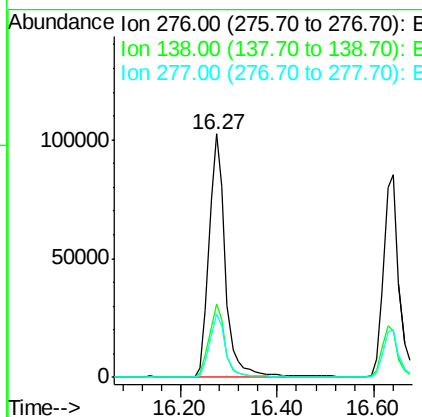
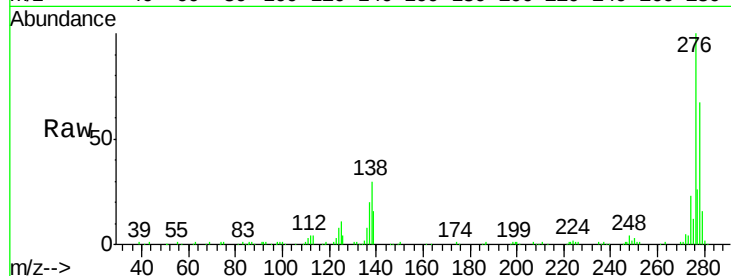




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 60.98 ng
 RT: 16.27 min Scan# 1285
 Delta R.T. -0.03 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

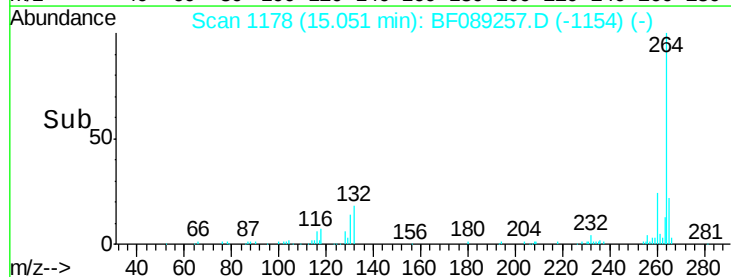
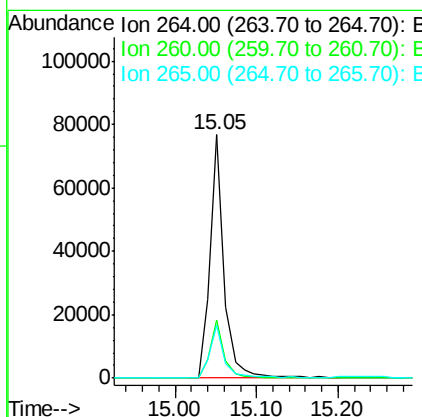
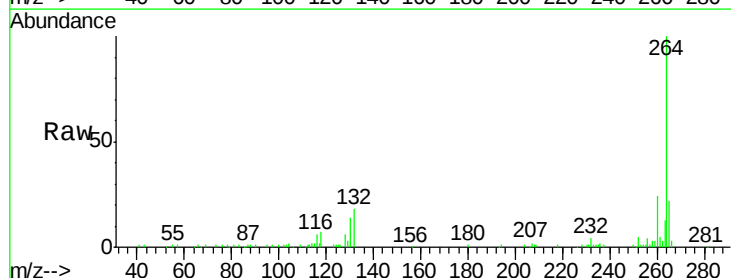
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MSD

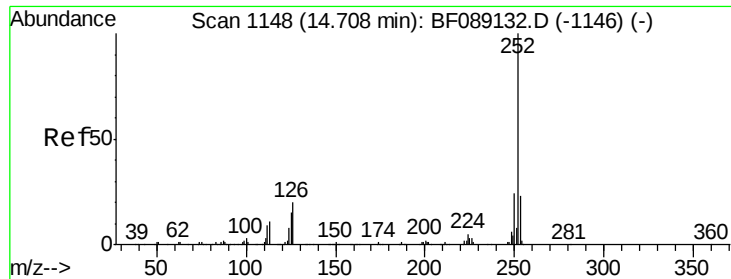
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	23.7	35.5
277	25.8	20.6	31.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF089257.D
 Acq: 24 Jul 2016 3:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	21.5	17.3	25.9

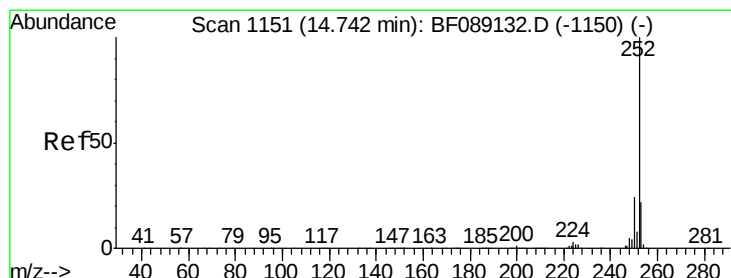
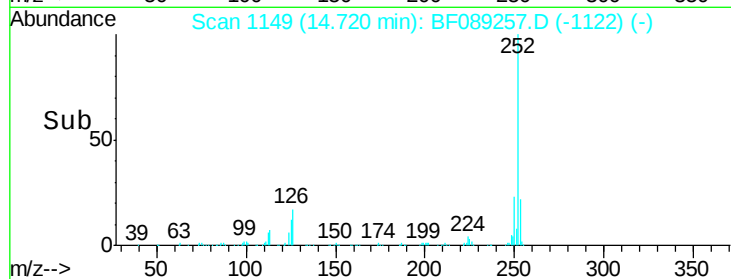
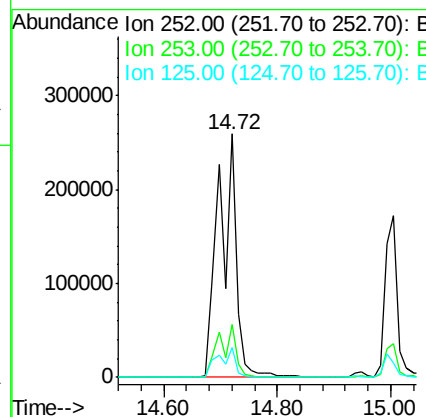
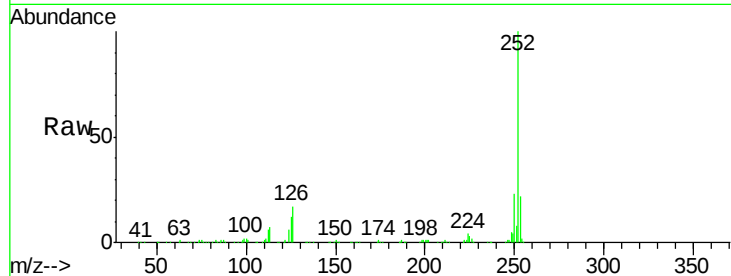




#87
Benzo(b)fluoranthene
Concen: 80.51 ng
RT: 14.72 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

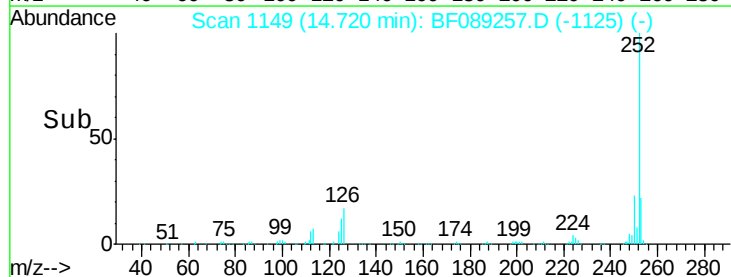
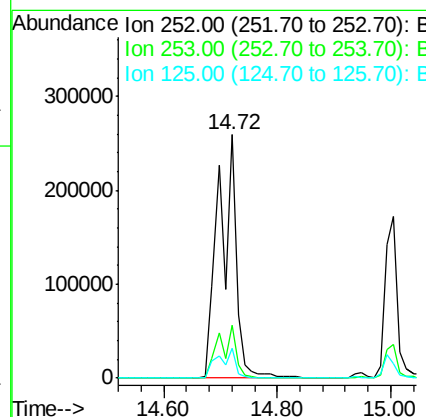
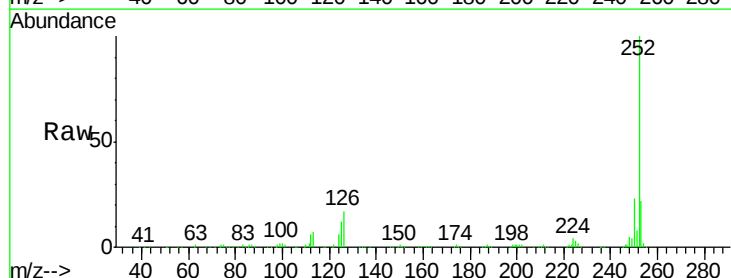
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

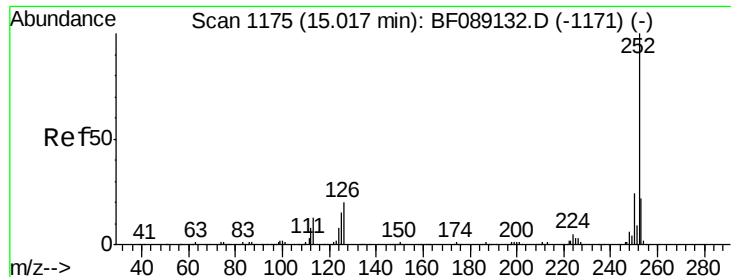
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	12.1	11.9	17.9



#88
Benzo(k)fluoranthene
Concen: 112.59 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	12.1	6.3	9.5#

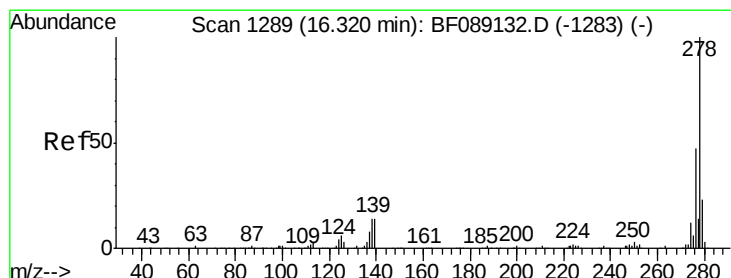
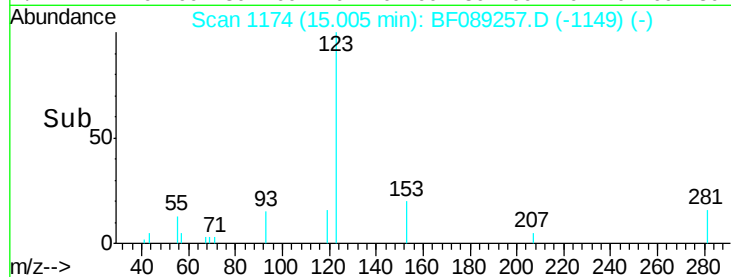
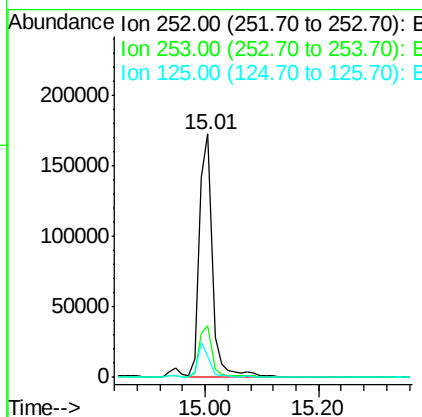
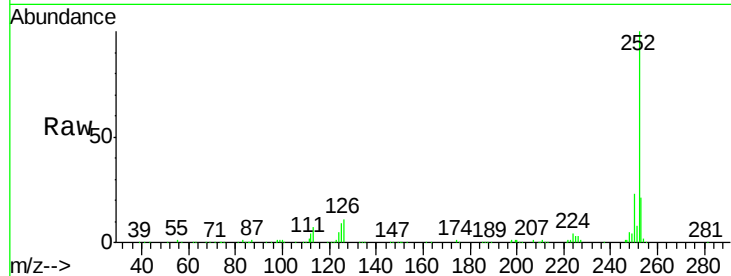




#89
Benzo(a)pyrene
Concen: 50.26 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

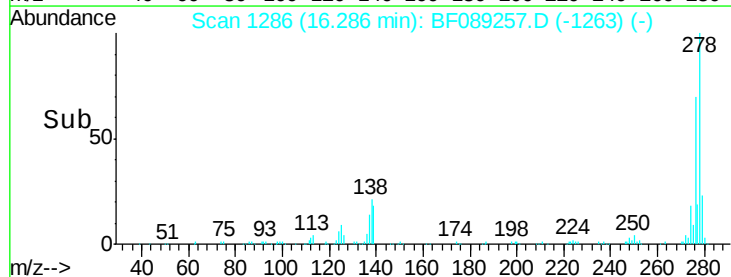
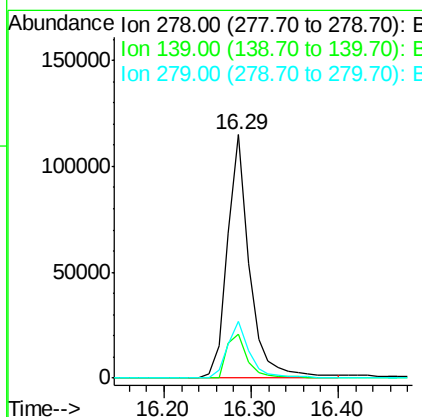
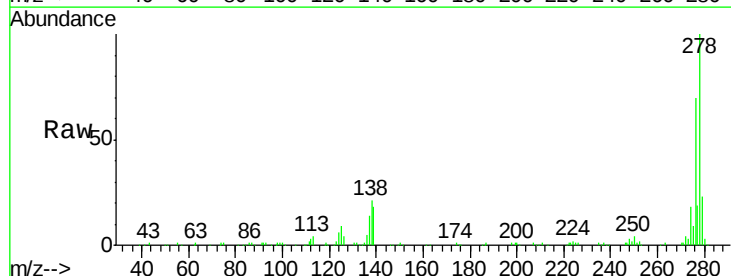
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MSD

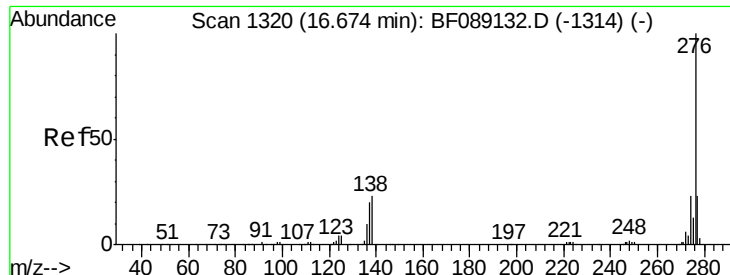
Tgt Ion:252 Resp: 264172
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 8.7 12.4 18.6#



#90
Dibenzo(a,h)anthracene
Concen: 49.38 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.03 min
Lab File: BF089257.D
Acq: 24 Jul 2016 3:34

Tgt Ion:278 Resp: 204911
Ion Ratio Lower Upper
278 100
139 17.9 11.4 17.2#
279 23.3 18.4 27.6





#91

Benzo(g,h,i)perylene

Concen: 47.10 ng

RT: 16.64 min Scan# 1317

Delta R.T. -0.03 min

Lab File: BF089257.D

Acq: 24 Jul 2016 3:34

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MSD

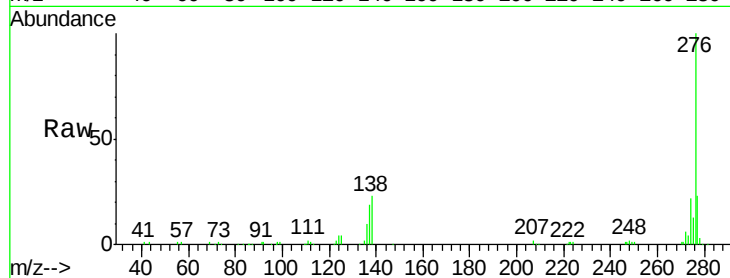
Tgt Ion: 276 Resp: 197078

Ion Ratio Lower Upper

276 100

277 23.5 18.5 27.7

138 23.1 18.5 27.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

