

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089256.D
 Acq On : 24 Jul 2016 3:03
 Operator : UM/SJ
 Sample : H4129-02MS
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

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

Quant Time: Jul 25 01:14:31 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	50202	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	207230	20.00	ng	-0.01
38) Acenaphthene-d10	9.61	164	92393	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	156504	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	89166	20.00	ng	-0.02
86) Perylene-d12	15.05	264	95004	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	462361	140.07	ng	-0.01
7) Phenol-d6	6.25	99	591012	138.84	ng	-0.02
23) Nitrobenzene-d5	7.15	82	352895	90.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	97759	117.52	ng	-0.01
44) 2-Fluorobiphenyl	8.95	172	590671	88.08	ng	-0.02
78) Terphenyl-d14	12.66	244	376964	91.70	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.08	88	56869	39.68	ng	94
3) Pyridine	2.68	79	144313	39.64	ng	97
4) n-Nitrosodimethylamine	2.66	42	65556	42.77	ng	98
6) Aniline	6.25	93	146235	25.43	ng	# 62
8) 2-Chlorophenol	6.36	128	171840	46.91	ng	82
9) Benzaldehyde	6.12	77	33487	12.54	ng	99
10) Phenol	6.26	94	240557	49.05	ng	97
11) bis(2-Chloroethyl)ether	6.33	93	179049	48.61	ng	95
12) 1,3-Dichlorobenzene	6.51	146	166024	41.05	ng	97
13) 1,4-Dichlorobenzene	6.59	146	179484	44.06	ng	98
14) 1,2-Dichlorobenzene	6.75	146	180101	46.89	ng	99
15) Benzyl Alcohol	6.74	79	152533	48.93	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.88	45	198167	47.22	ng	# 57
17) 2-Methylphenol	6.87	107	138475	48.00	ng	98
18) Hexachloroethane	7.08	117	65051	42.48	ng	96
19) n-Nitroso-di-n-propylamine	7.02	70	130422	46.84	ng	94
20) 3+4-Methylphenols	7.03	107	183436	46.83	ng	95
22) Acetophenone	7.00	105	257866	46.60	ng	99
24) Nitrobenzene	7.18	77	195199	47.45	ng	94
25) Isophorone	7.42	82	345114	48.01	ng	99
26) 2-Nitrophenol	7.50	139	81442	42.45	ng	# 77
27) 2,4-Dimethylphenol	7.54	122	142106	43.96	ng	99
28) bis(2-Chloroethoxy)methane	7.63	93	210613	46.84	ng	99
29) 2,4-Dichlorophenol	7.74	162	136578	46.89	ng	95
30) 1,2,4-Trichlorobenzene	7.82	180	149698	46.42	ng	98
31) Naphthalene	7.88	128	491282	43.93	ng	100
32) Benzoic acid	7.66	122	9647	3.88	ng	# 79
33) 4-Chloroaniline	7.95	127	85127	18.10	ng	95
34) Hexachlorobutadiene	8.01	225	77606	43.24	ng	98
35) Caprolactam	8.33	113	42513	46.99	ng	98
36) 4-Chloro-3-methylphenol	8.46	107	163651	46.63	ng	93
37) 2-Methylnaphthalene	8.58	142	325768	45.67	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.75	216	131744	38.36	ng	99
40) Hexachlorocyclopentadiene	8.73	237	34316	35.15	ng	98

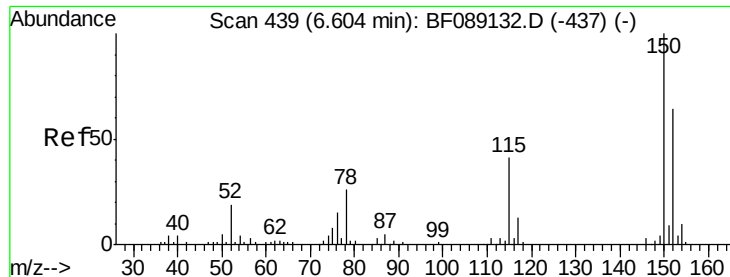
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089256.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.87	196	86128	44.81	ng	97
43) 2,4,5-Trichlorophenol	8.91	196	102783	53.27	ng #	88
45) 1,1'-Biphenyl	9.05	154	374925	45.06	ng	96
46) 2-Chloronaphthalene	9.06	162	284162	44.94	ng	99
47) 2-Nitroaniline	9.18	65	100668	46.41	ng #	81
48) Acenaphthylene	9.47	152	435054	43.77	ng	100
49) Dimethylphthalate	9.36	163	569586	80.34	ng	98
50) 2,6-Dinitrotoluene	9.42	165	70988	44.35	ng #	58
51) Acenaphthene	9.64	154	252769	42.99	ng	100
52) 3-Nitroaniline	9.59	138	55879	29.40	ng	90
53) 2,4-Dinitrophenol	9.70	184	4054	12.97	ng #	17
54) Dibenzofuran	9.82	168	366011	46.06	ng	95
55) 4-Nitrophenol	9.77	139	69788	60.68	ng #	82
56) 2,4-Dinitrotoluene	9.82	165	98529	47.79	ng #	73
57) Fluorene	10.16	166	291003	43.15	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.94	232	63631	45.92	ng #	97
59) Diethylphthalate	10.06	149	361077	51.36	ng	97
60) 4-Chlorophenyl-phenylether	10.16	204	143637	46.65	ng #	84
61) 4-Nitroaniline	10.20	138	70842	38.30	ng	92
62) Azobenzene	10.32	77	376194	49.24	ng	89
64) 4,6-Dinitro-2-methylphenol	10.23	198	12856	14.11	ng #	52
65) n-Nitrosodiphenylamine	10.28	169	270810	51.78	ng	99
66) 4-Bromophenyl-phenylether	10.64	248	76605	49.46	ng #	86
67) Hexachlorobenzene	10.71	284	75169	45.13	ng #	87
68) Atrazine	10.81	200	73800	45.12	ng	98
69) Pentachlorophenol	10.90	266	63798	83.02	ng	98
70) Phenanthrene	11.11	178	381335	44.42	ng	99
71) Anthracene	11.16	178	420595	47.13	ng	99
72) Carbazole	11.32	167	363365	46.36	ng	99
73) Di-n-butylphthalate	11.67	149	495274	51.09	ng	98
74) Fluoranthene	12.28	202	344822	38.21	ng	100
76) Benzidine	12.42	184	144610	47.17	ng	98
77) Pyrene	12.51	202	337480	45.83	ng	99
79) Butylbenzylphthalate	13.14	149	150563	48.33	ng	93
80) Benzo(a)anthracene	13.69	228	257612	45.36	ng	100
81) 3,3'-Dichlorobenzidine	13.67	252	81895	43.47	ng	99
82) Chrysene	13.74	228	271878	50.12	ng	100
83) Bis(2-ethylhexyl)phthalate	13.71	149	214292	51.86	ng #	96
84) Di-n-octyl phthalate	14.32	149	353793	51.89	ng	100
85) Indeno(1,2,3-cd)pyrene	16.27	276	246901	62.67	ng	99
87) Benzo(b)fluoranthene	14.72	252	539303	78.38	ng #	96
88) Benzo(k)fluoranthene	14.72	252	539303	109.60	ng #	96
89) Benzo(a)pyrene	15.01	252	260869	48.84	ng #	93
90) Dibenzo(a,h)anthracene	16.29	278	205188	48.65	ng	97
91) Benzo(g,h,i)perylene	16.63	276	194397	45.71	ng	95

(#) = 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: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

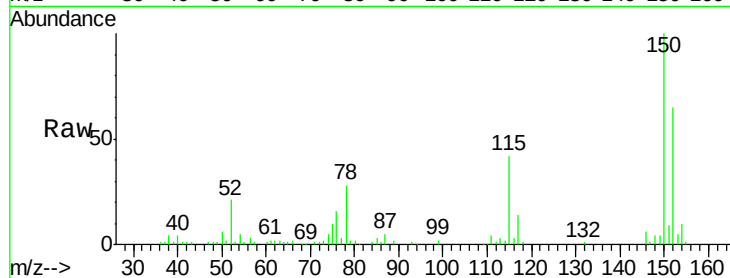
Tgt Ion:152 Resp: 50202

Ion Ratio Lower Upper

152 100

150 154.1 125.1 187.7

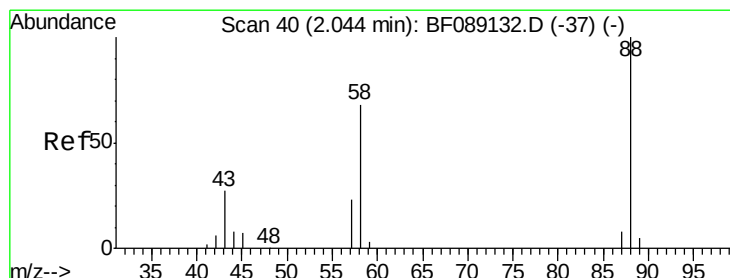
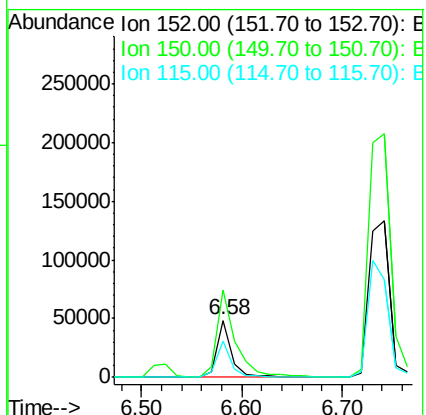
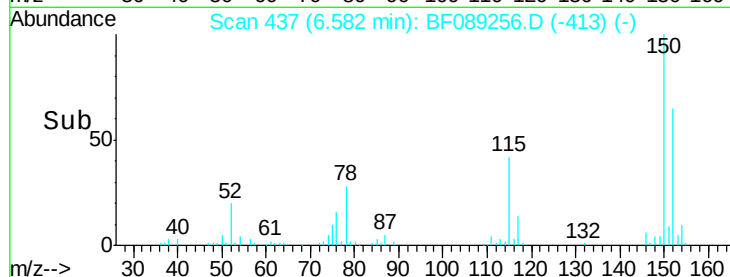
115 64.3 51.1 76.7



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: 39.68 ng

RT: 2.08 min Scan# 43

Delta R.T. 0.03 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

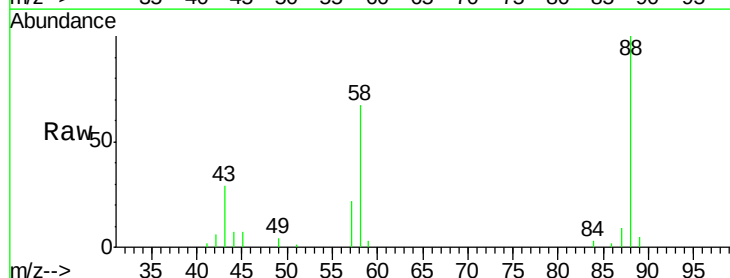
Tgt Ion: 88 Resp: 56869

Ion Ratio Lower Upper

88 100

58 67.4 49.2 73.8

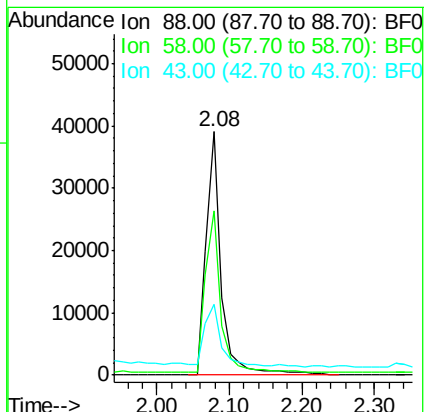
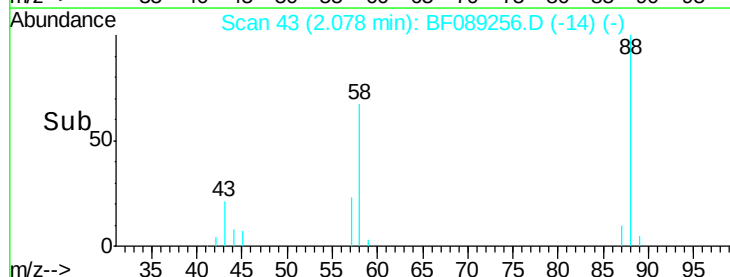
43 26.6 20.6 30.8

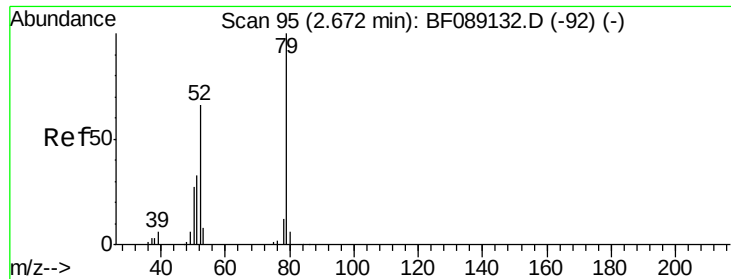


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

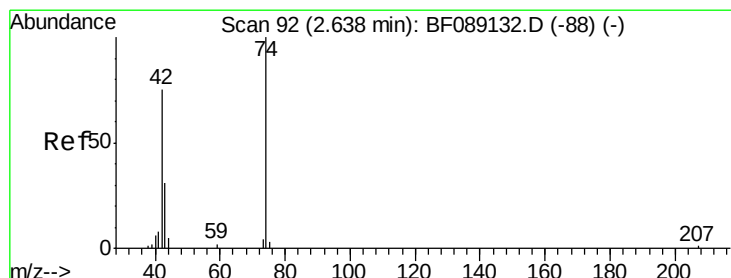
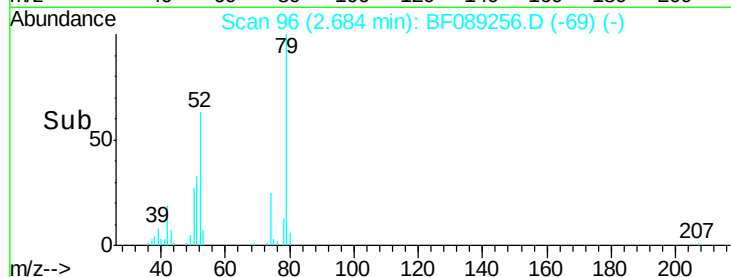
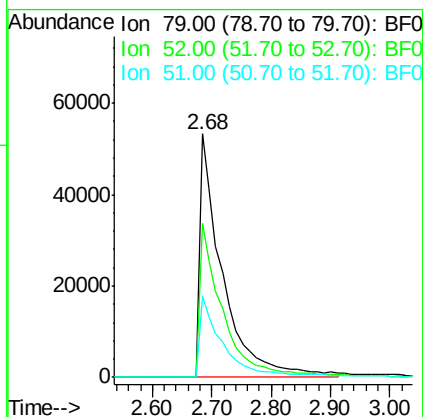
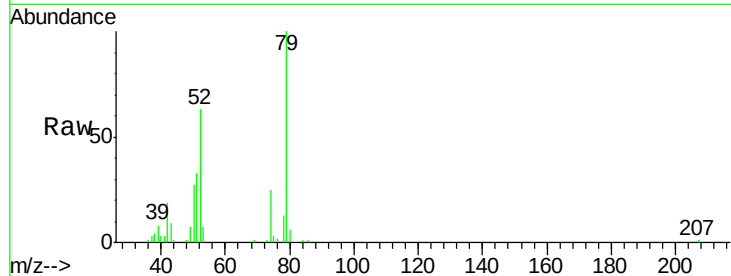




#3
 Pyridine
 Concen: 39.64 ng
 RT: 2.68 min Scan# 96
 Delta R.T. 0.01 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

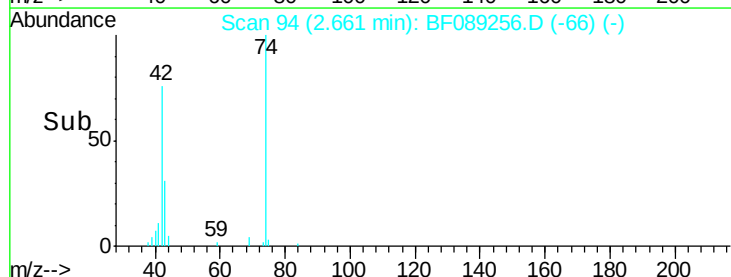
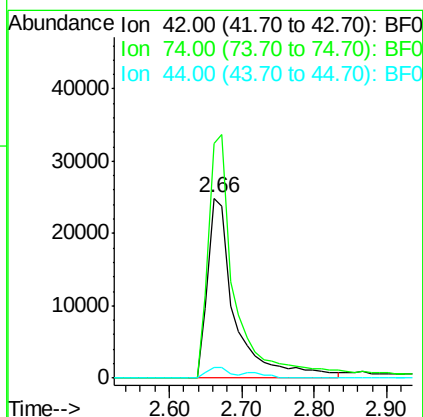
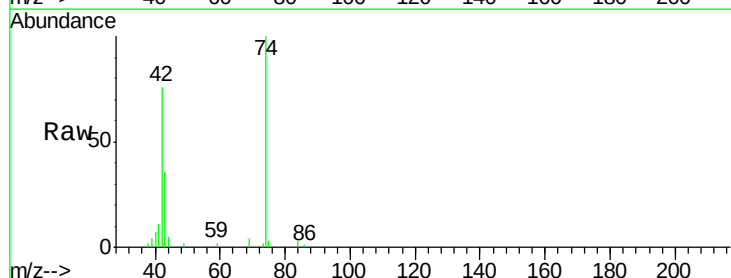
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MS

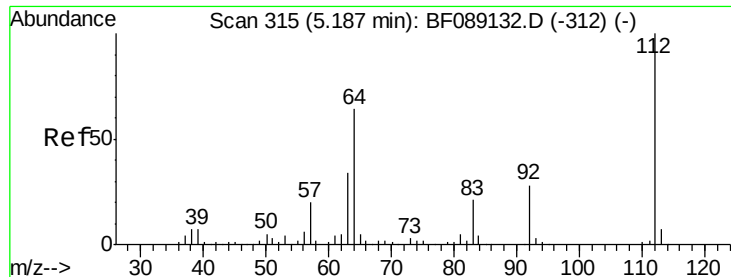
Tgt Ion: 79 Resp: 144313
 Ion Ratio Lower Upper
 79 100
 52 63.4 52.9 79.3
 51 33.2 27.0 40.6



#4
 n-Nitrosodimethylamine
 Concen: 42.77 ng
 RT: 2.66 min Scan# 94
 Delta R.T. 0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion: 42 Resp: 65556
 Ion Ratio Lower Upper
 42 100
 74 130.9 106.4 159.6
 44 6.2 5.2 7.8





#5

2-Fluorophenol

Concen: 140.07 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.01 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

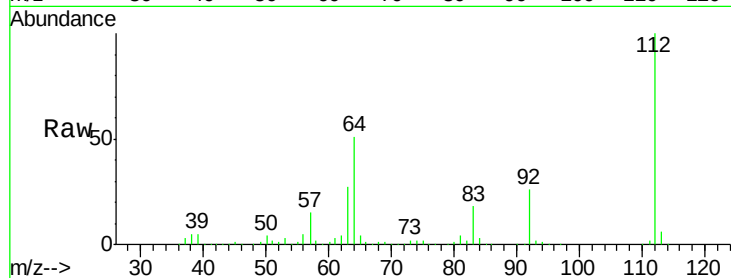
Tgt Ion: 112 Resp: 462361

Ion Ratio Lower Upper

112 100

64 50.6 51.0 76.4#

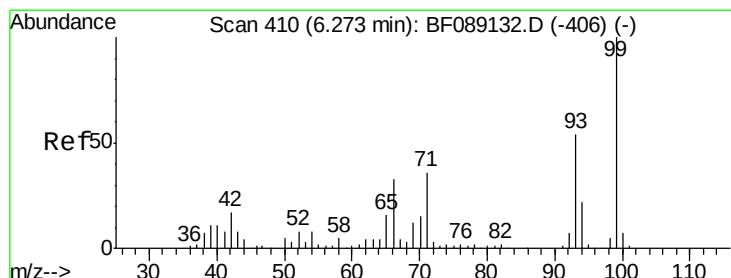
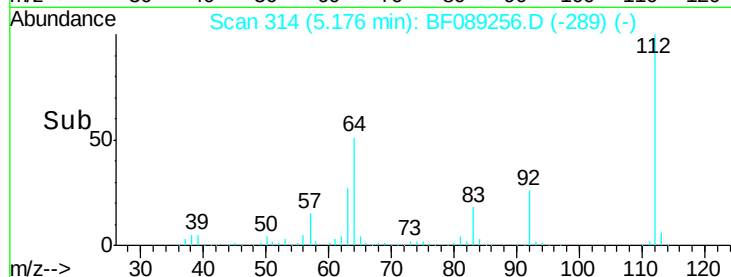
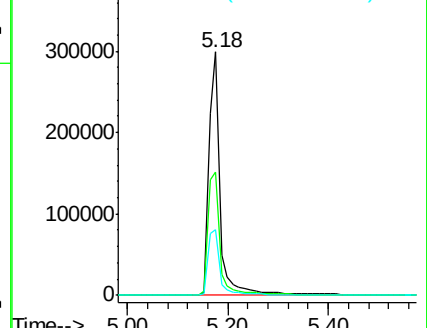
63 27.1 27.3 40.9#



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: 25.43 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

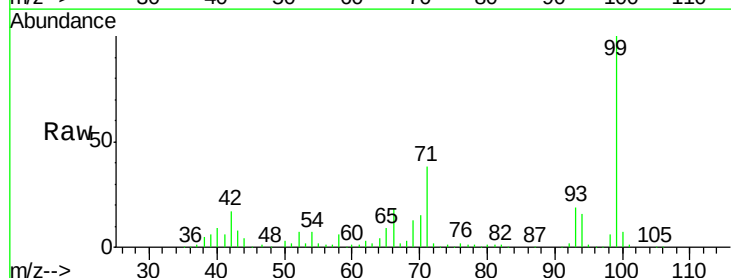
Tgt Ion: 93 Resp: 146235

Ion Ratio Lower Upper

93 100

66 93.4 48.9 73.3#

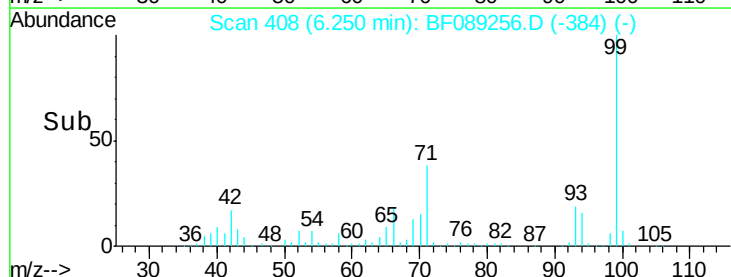
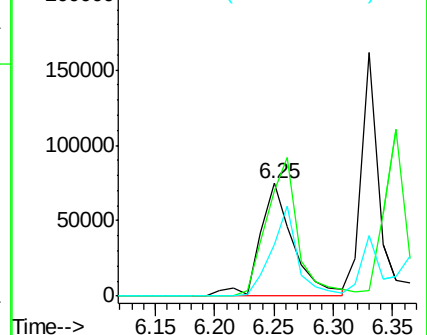
65 45.3 23.9 35.9#

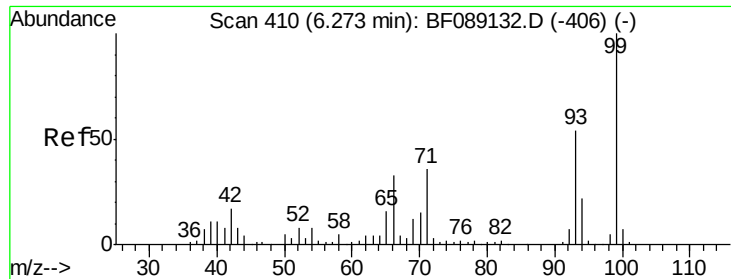


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 138.84 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

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ClientSampleId :

KMW-02-4.5-6.0MS

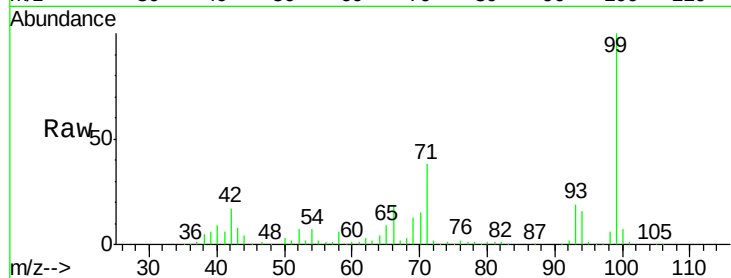
Tgt Ion: 99 Resp: 591012

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

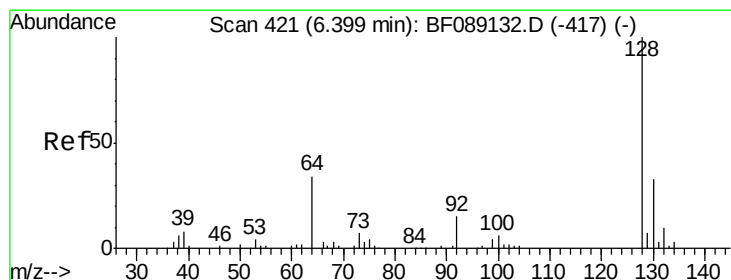
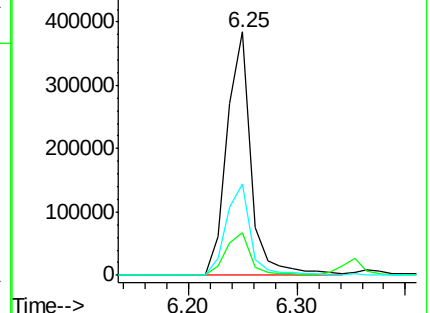
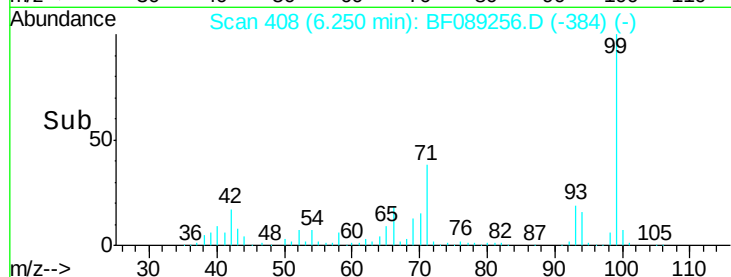
71 37.6 28.9 43.3



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: 46.91 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

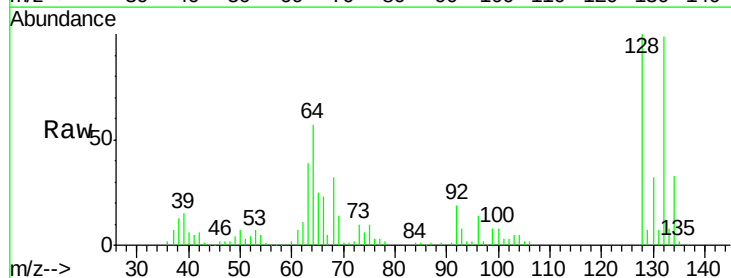
Tgt Ion: 128 Resp: 171840

Ion Ratio Lower Upper

128 100

130 32.0 12.6 52.6

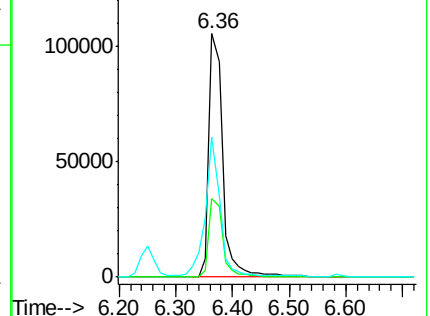
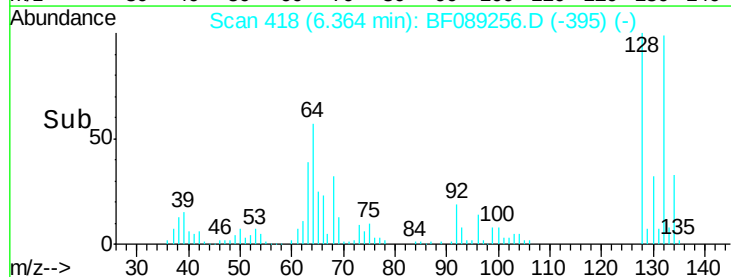
64 57.4 17.5 57.5

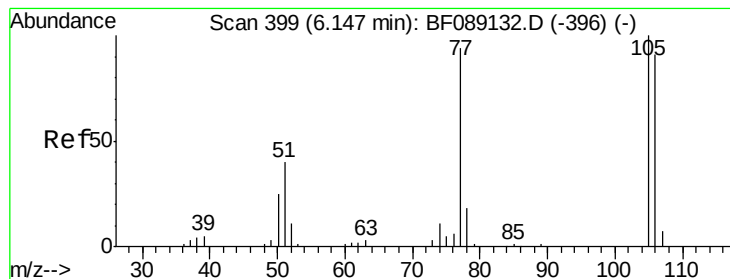


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.54 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

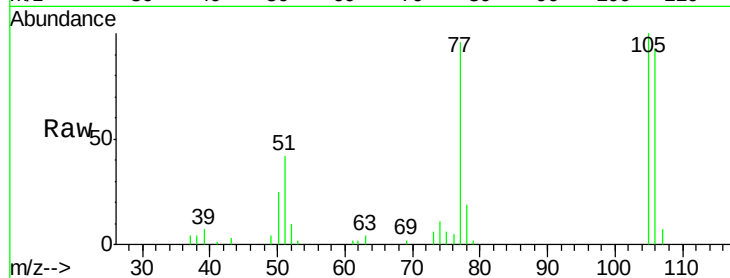
Tgt Ion: 77 Resp: 33487

Ion Ratio Lower Upper

77 100

105 104.4 86.2 126.2

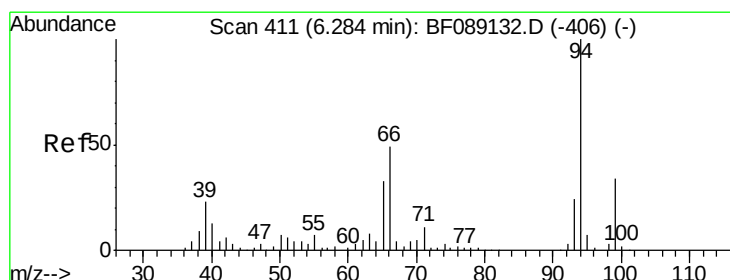
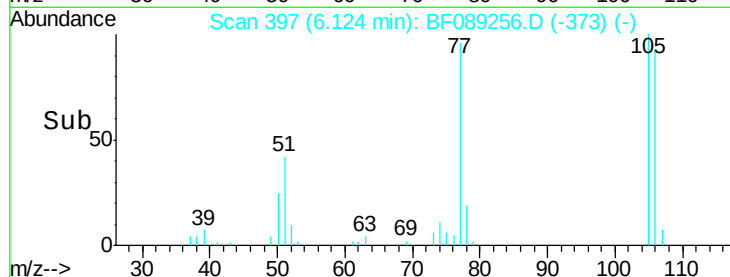
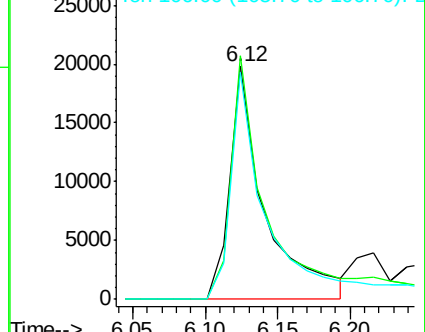
106 97.4 76.3 116.3



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: 49.05 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

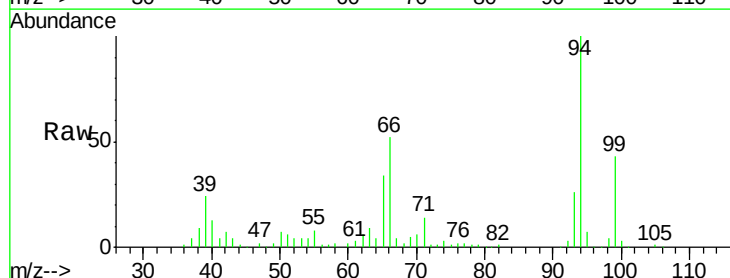
Tgt Ion: 94 Resp: 240557

Ion Ratio Lower Upper

94 100

65 33.9 13.3 53.3

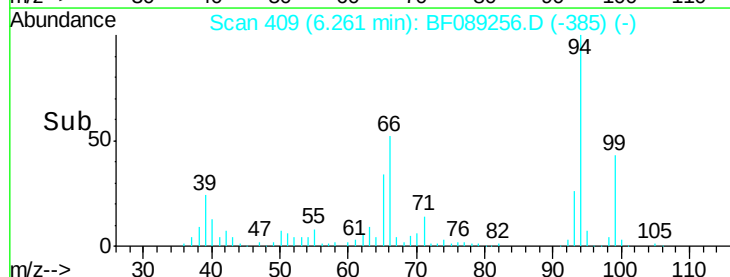
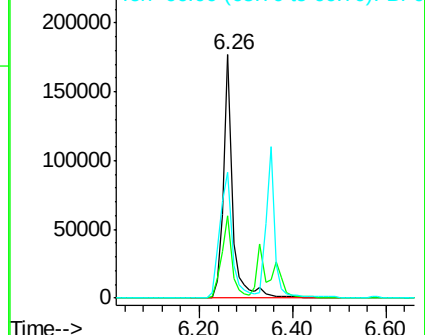
66 51.9 29.3 69.3

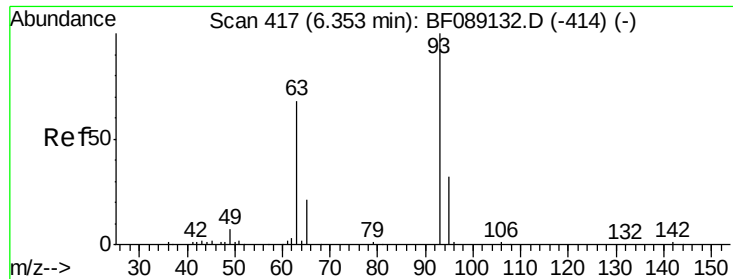


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

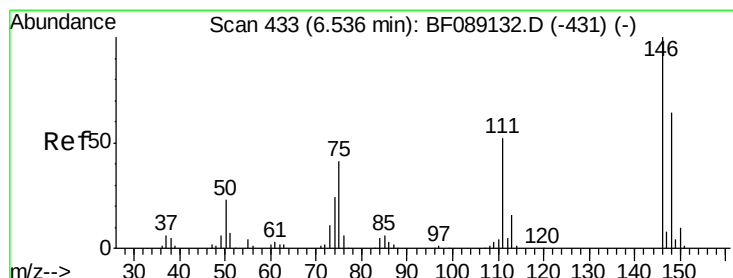
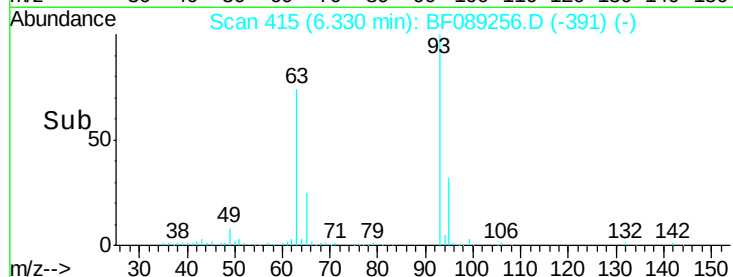
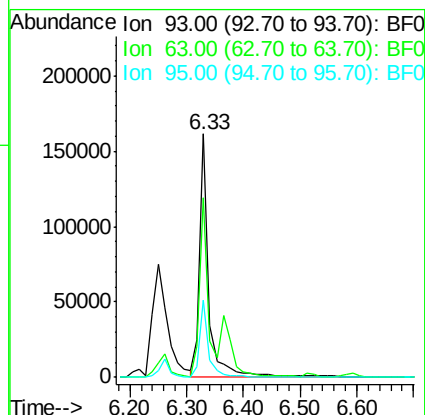
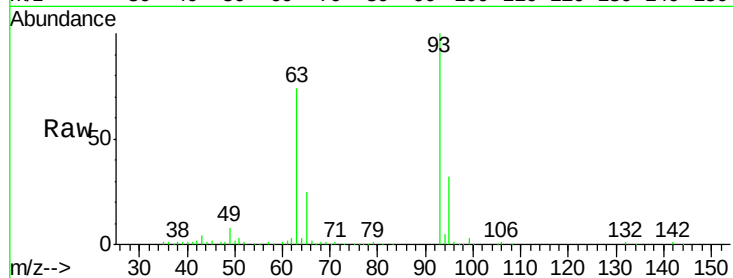




#11
bis(2-Chloroethyl)ether
Concen: 48.61 ng
RT: 6.33 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

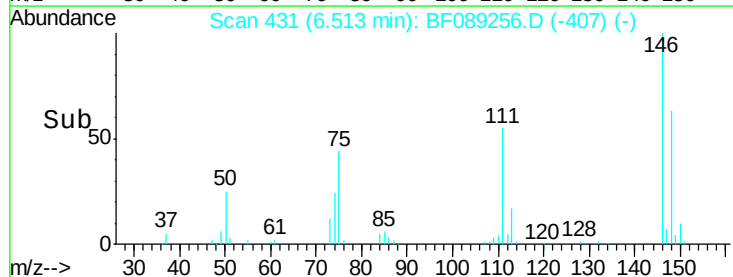
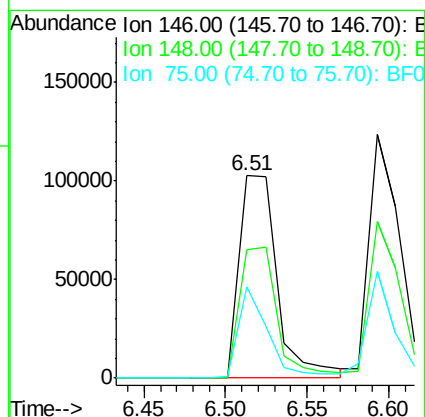
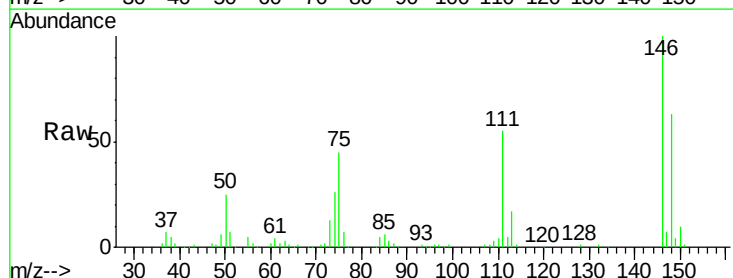
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MS

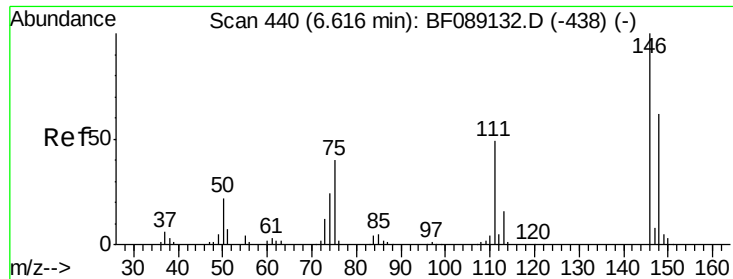
Tgt Ion: 93 Resp: 179049
Ion Ratio Lower Upper
93 100
63 73.5 47.3 87.3
95 32.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 41.05 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.02 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

Tgt Ion: 146 Resp: 166024
Ion Ratio Lower Upper
146 100
148 63.3 51.0 76.6
75 45.0 32.5 48.7

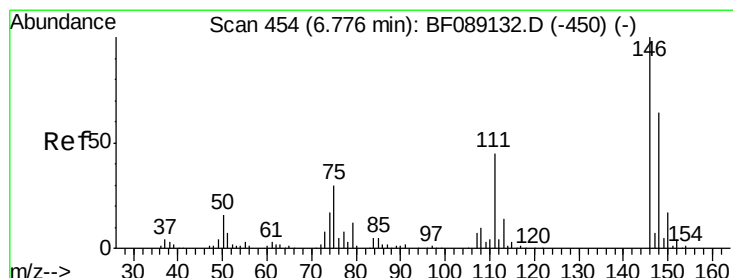
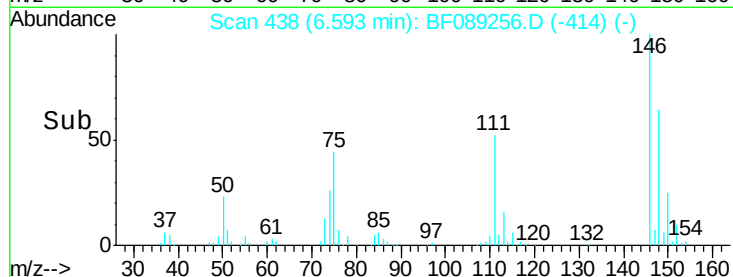
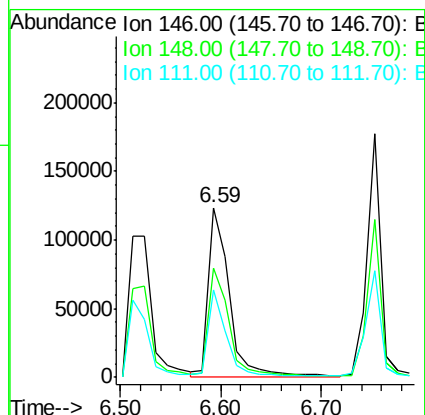
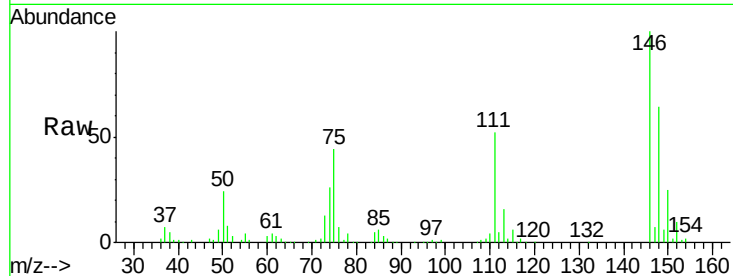




#13
 1,4-Dichlorobenzene
 Concen: 44.06 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

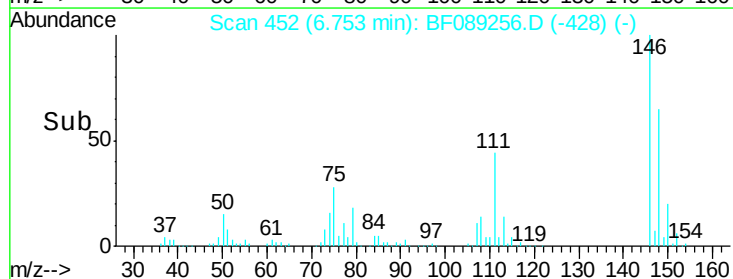
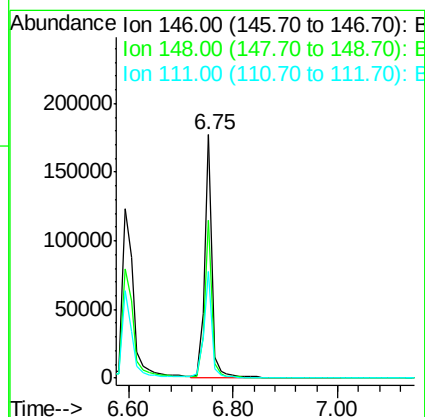
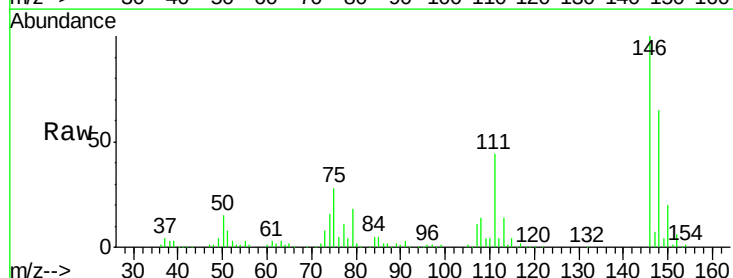
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MS

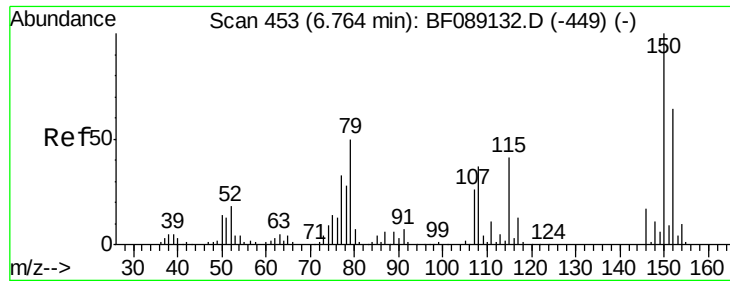
Tgt Ion:146 Resp: 179484
 Ion Ratio Lower Upper
 146 100
 148 64.1 49.9 74.9
 111 51.6 39.8 59.6



#14
 1,2-Dichlorobenzene
 Concen: 46.89 ng
 RT: 6.75 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion:146 Resp: 180101
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.4 77.0
 111 43.8 35.9 53.9

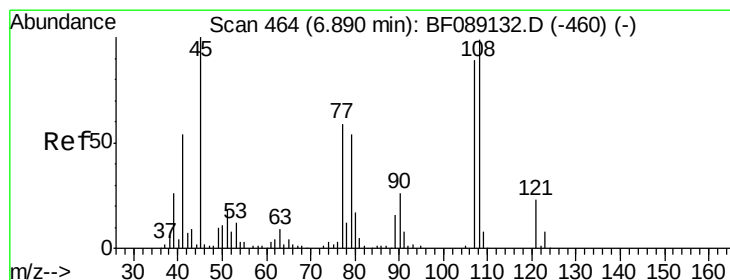
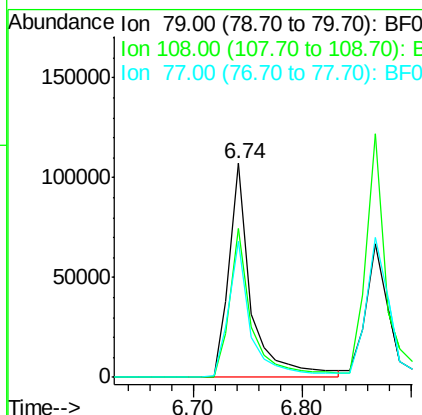
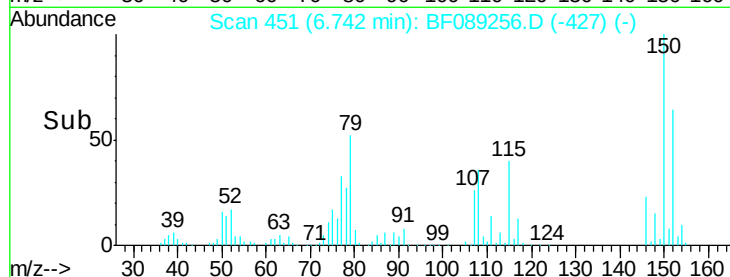
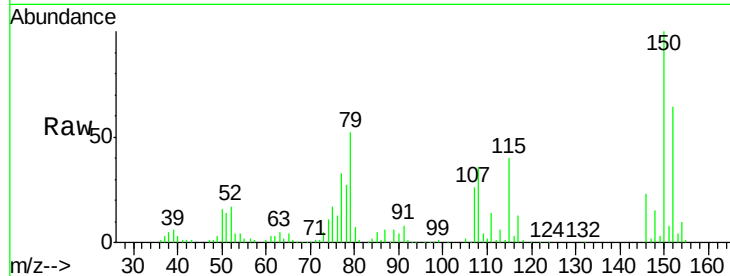




#15
Benzyl Alcohol
Concen: 48.93 ng
RT: 6.74 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

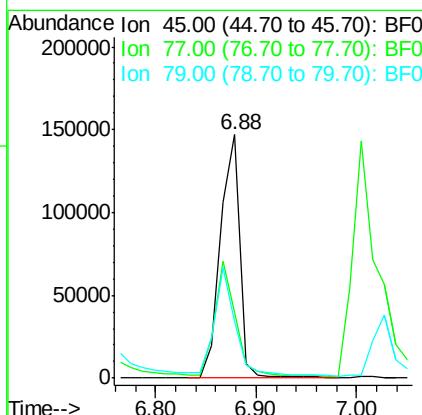
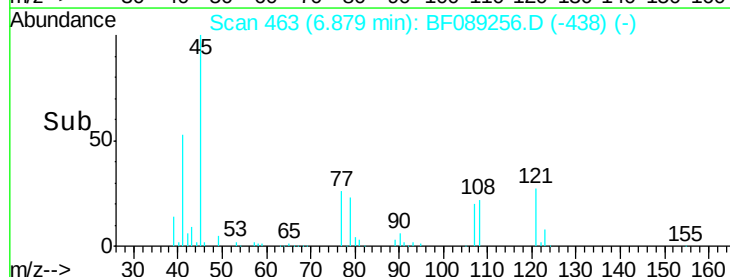
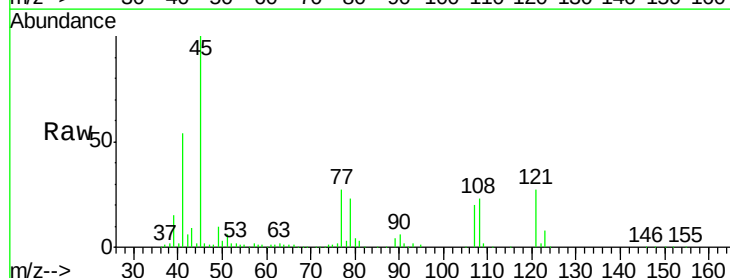
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MS

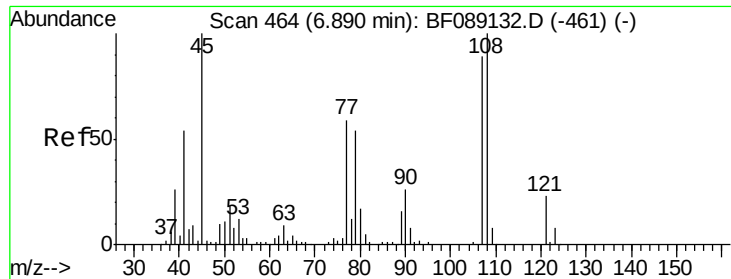
Tgt Ion: 79 Resp: 152533
Ion Ratio Lower Upper
79 100
108 69.7 58.2 87.4
77 63.6 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.22 ng
RT: 6.88 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

Tgt Ion: 45 Resp: 198167
Ion Ratio Lower Upper
45 100
77 27.2 39.7 79.7#
79 23.1 34.7 74.7#

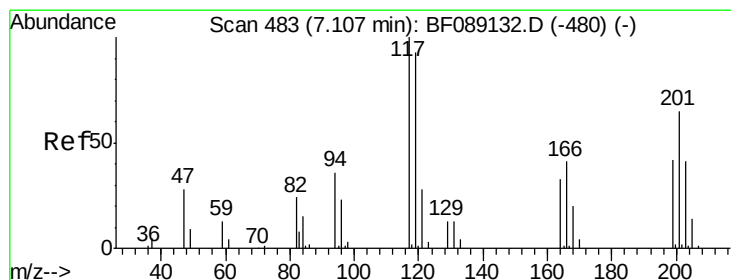
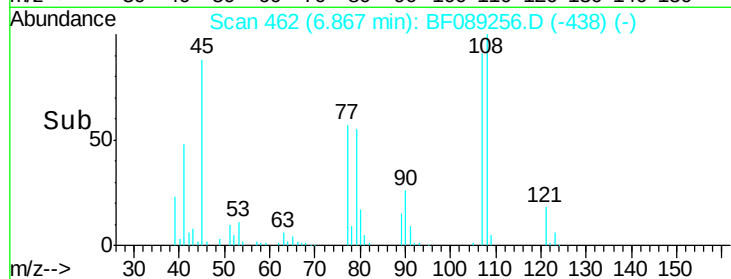
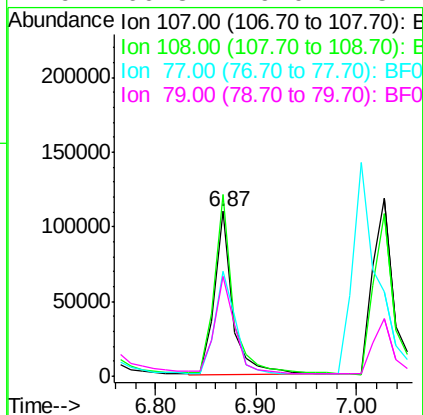
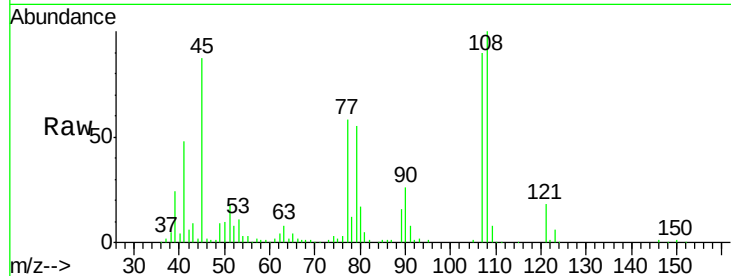




#17
2-Methylphenol
Concen: 48.00 ng
RT: 6.87 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

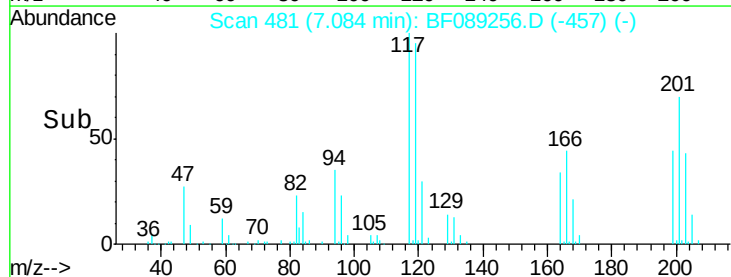
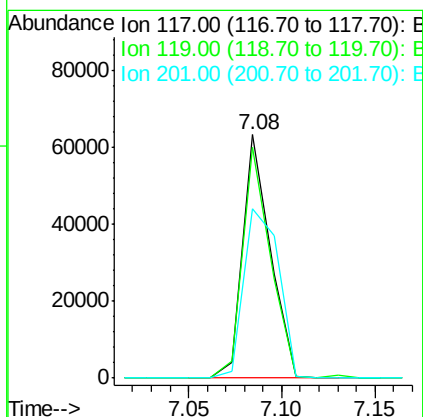
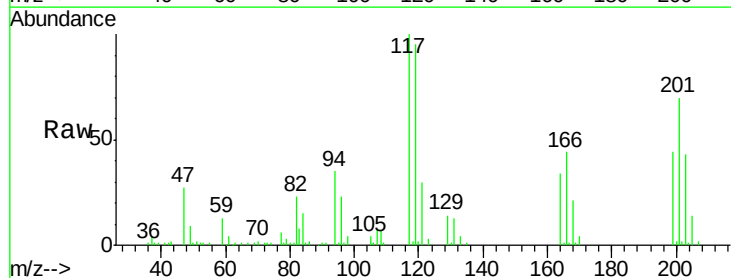
Instrument :
BNA_F
ClientSampleId :
KMW-02-4.5-6.0MS

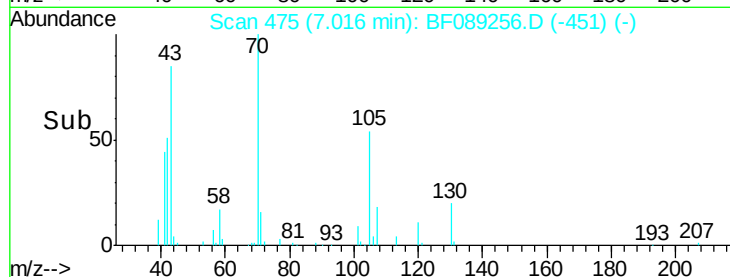
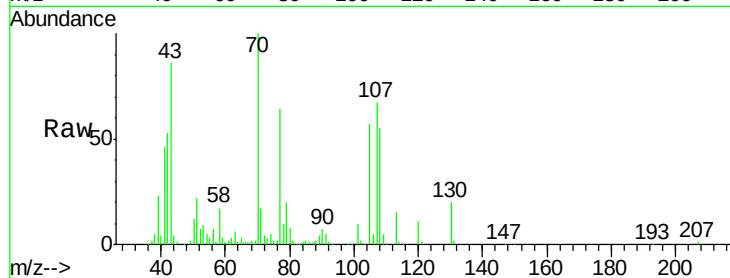
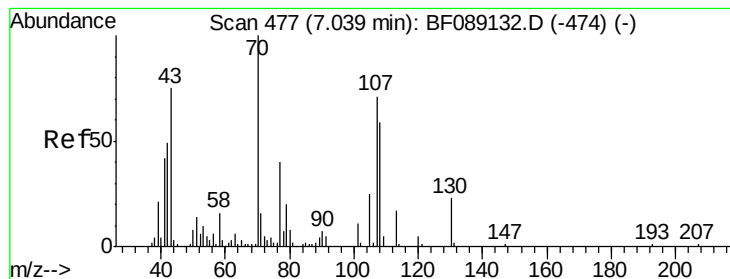
Tgt Ion:107 Resp: 138475
Ion Ratio Lower Upper
107 100
108 110.6 89.4 134.2
77 63.8 53.4 80.0
79 60.8 49.0 73.4



#18
Hexachloroethane
Concen: 42.48 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

Tgt Ion:117 Resp: 65051
Ion Ratio Lower Upper
117 100
119 94.9 74.5 111.7
201 69.6 51.8 77.6





#19

n-Nitroso-di-n-propylamine

Concen: 46.84 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

Tgt Ion: 70 Resp: 130422

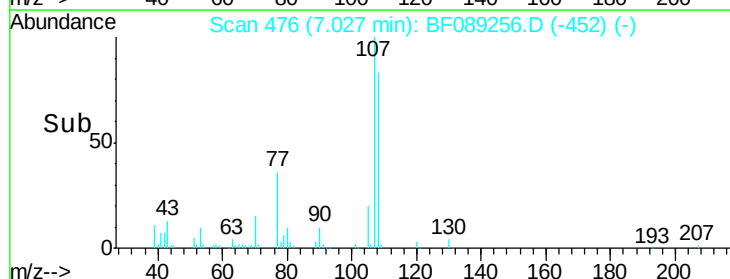
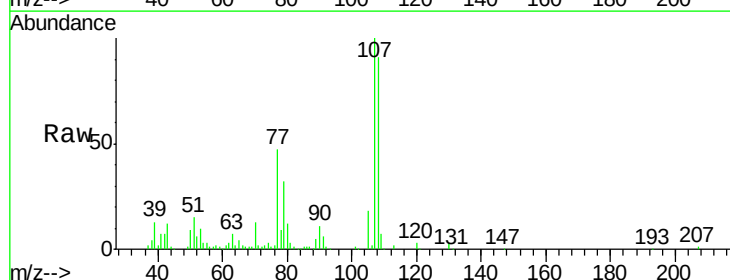
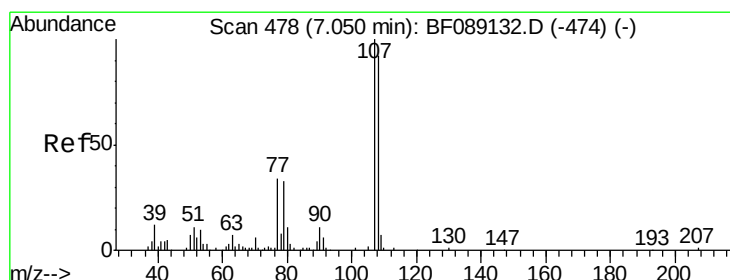
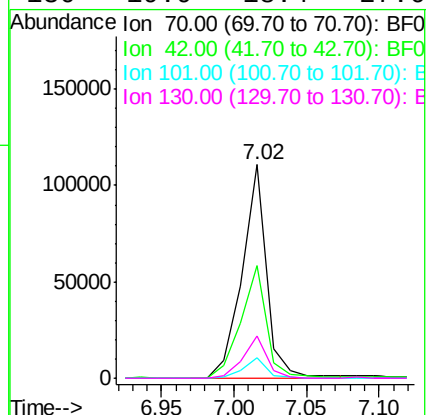
Ion Ratio Lower Upper

70 100

42 53.0 39.2 58.8

101 9.5 8.5 12.7

130 19.9 18.4 27.6



#20

3+4-Methylphenols

Concen: 46.83 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Tgt Ion: 107 Resp: 183436

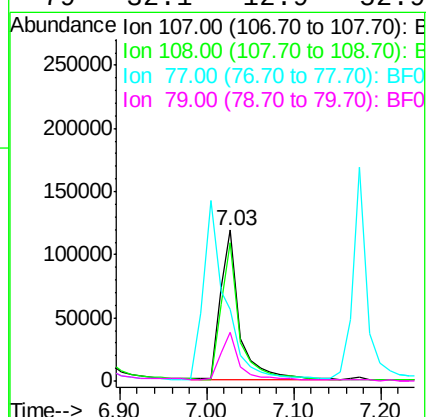
Ion Ratio Lower Upper

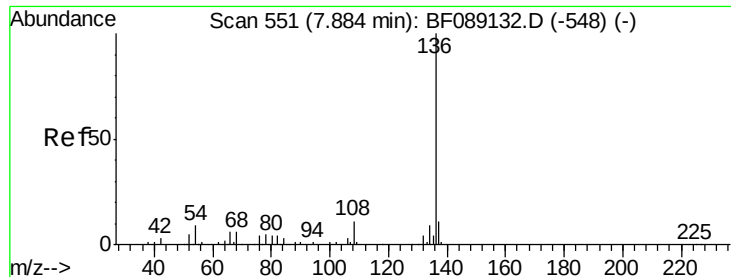
107 100

108 91.5 72.5 112.5

77 47.2 17.7 57.7

79 32.1 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: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

Tgt Ion:136 Resp: 207230

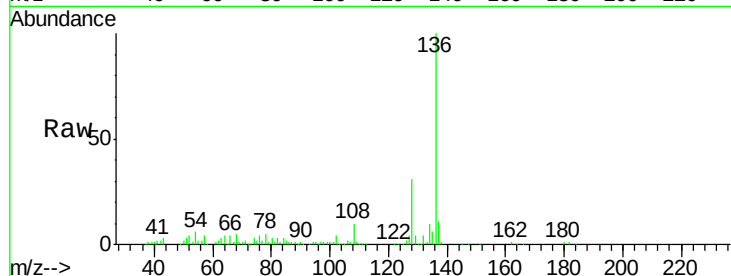
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 5.6 7.0 10.4#

68 4.9 5.0 7.6#

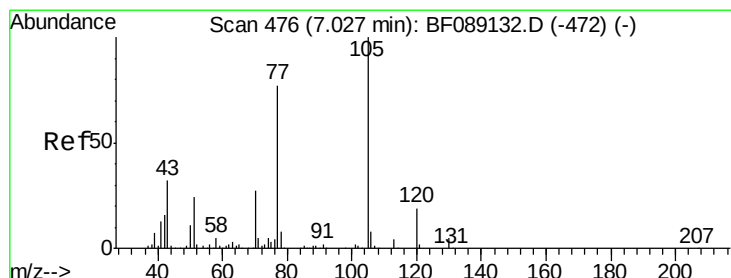
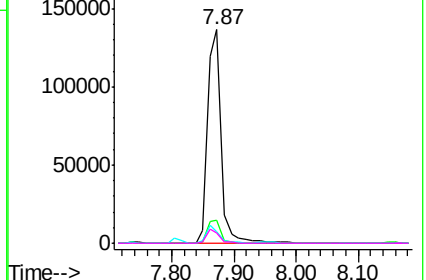
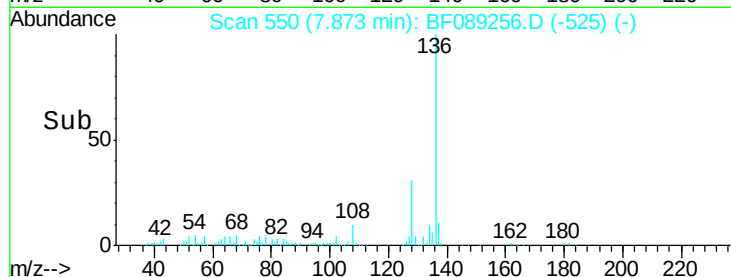


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.60 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Tgt Ion:105 Resp: 257866

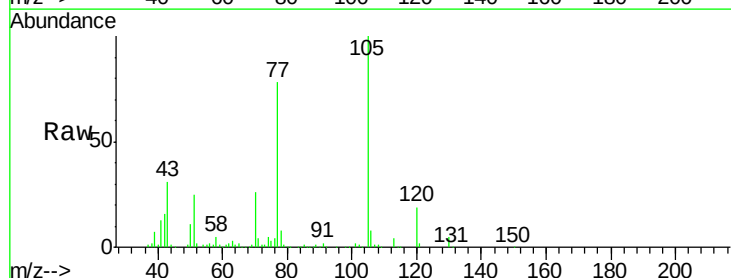
Ion Ratio Lower Upper

105 100

71 4.5 3.8 5.6

51 25.1 19.6 29.4

120 18.9 15.5 23.3

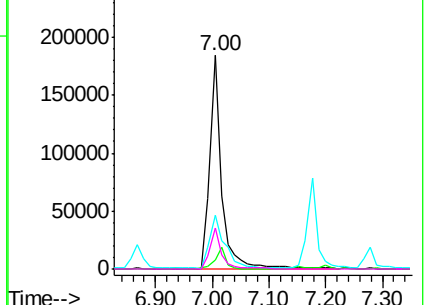
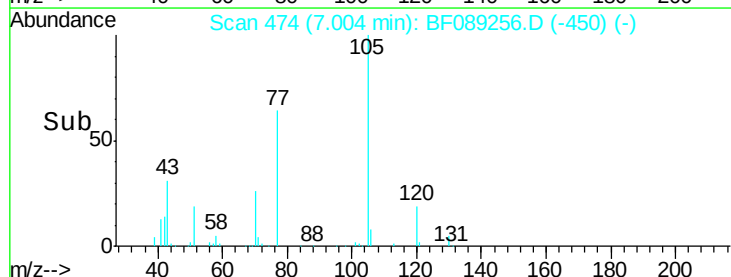


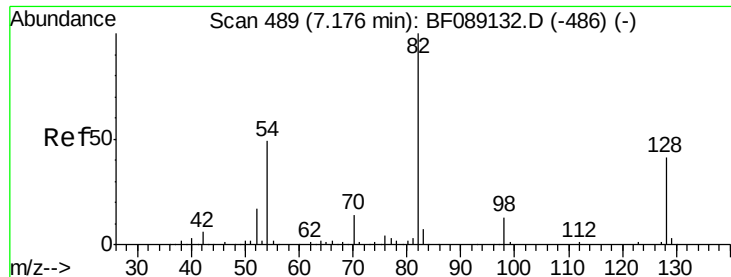
Abundance Ion 105.00 (104.70 to 105.70): E

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

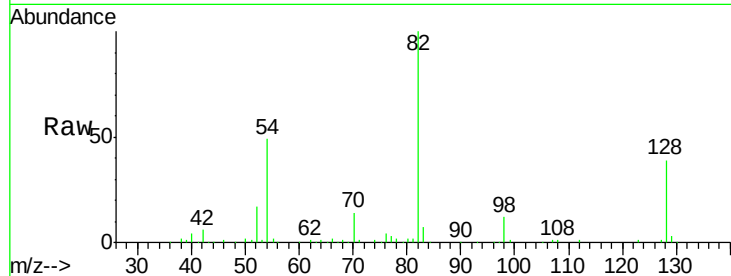




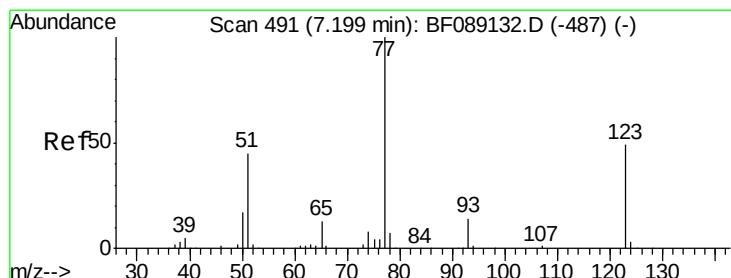
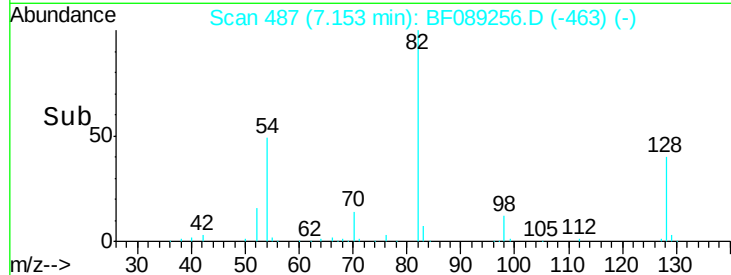
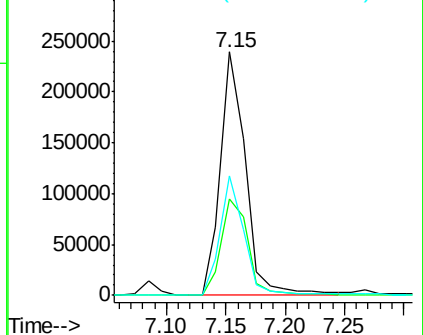
#23
 Nitrobenzene-d5
 Concen: 90.48 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

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

Tgt Ion: 82 Resp: 352895
 Ion Ratio Lower Upper
 82 100
 128 39.5 33.0 49.6
 54 48.9 39.0 58.4

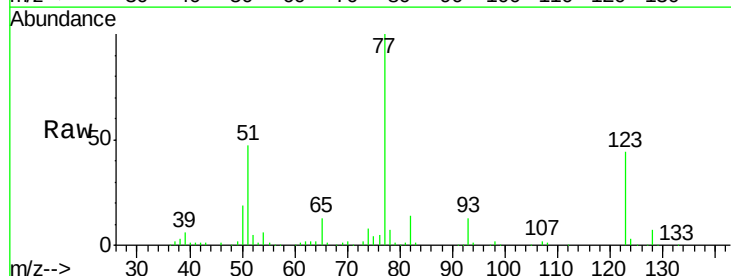


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

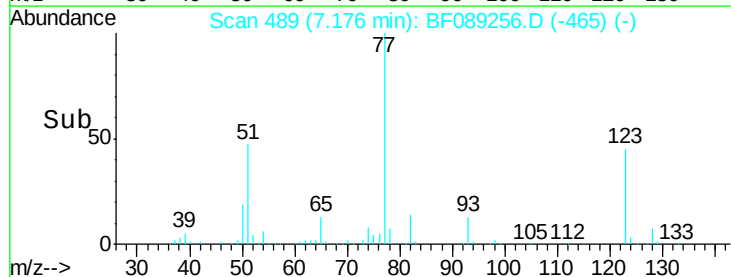
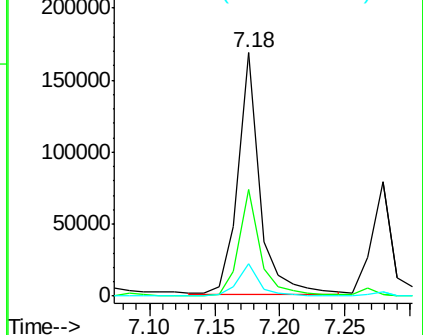


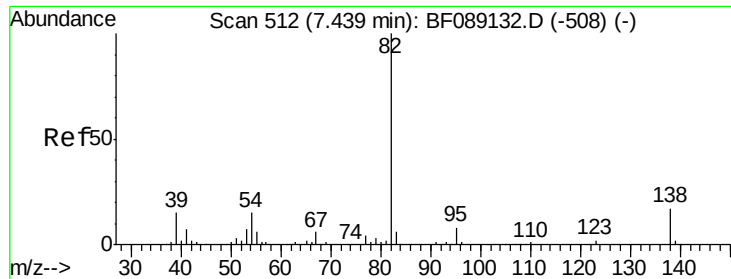
#24
 Nitrobenzene
 Concen: 47.45 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion: 77 Resp: 195199
 Ion Ratio Lower Upper
 77 100
 123 43.9 38.9 58.3
 65 13.2 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.01 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

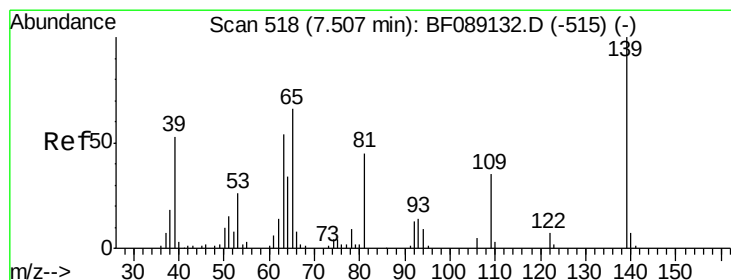
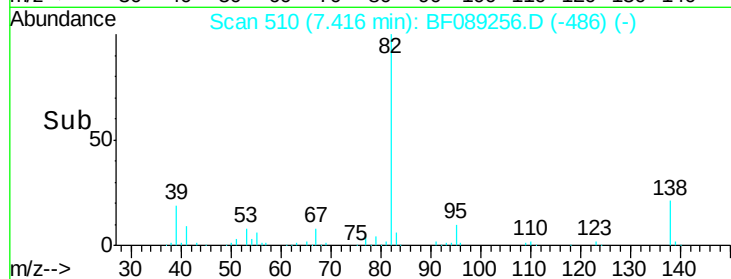
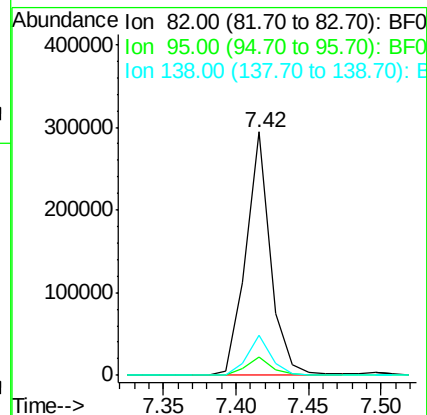
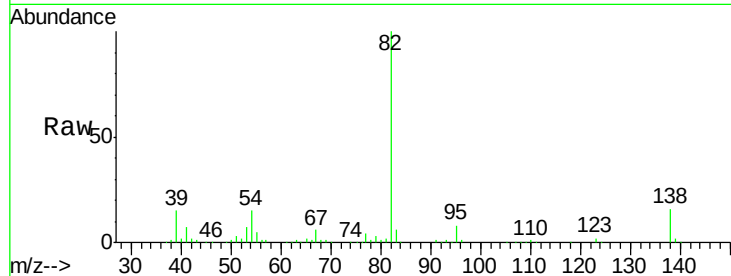
Tgt Ion: 82 Resp: 345114

Ion Ratio Lower Upper

82 100

95 7.7 6.1 9.1

138 16.4 13.6 20.4



#26

2-Nitrophenol

Concen: 42.45 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

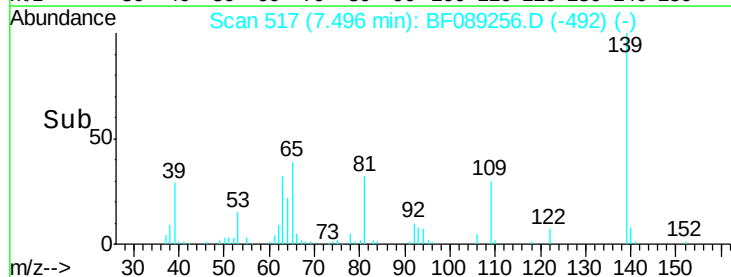
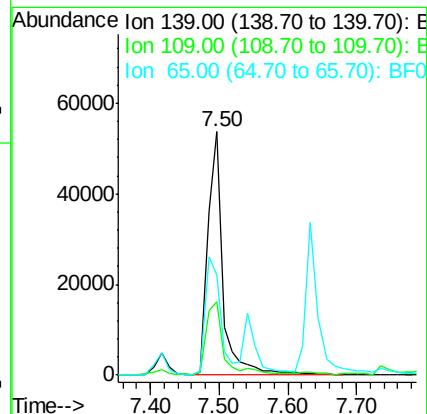
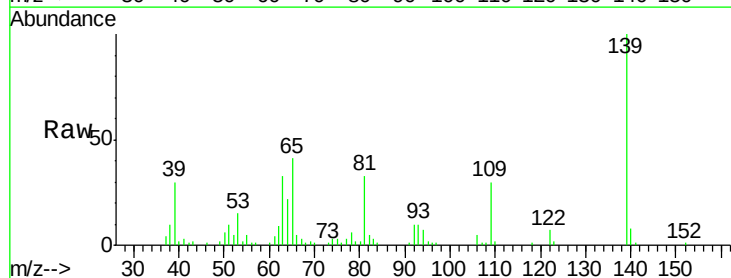
Tgt Ion: 139 Resp: 81442

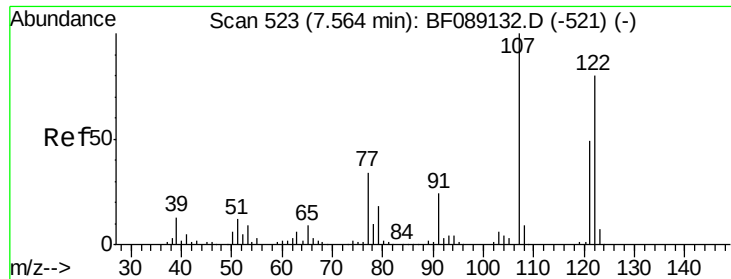
Ion Ratio Lower Upper

139 100

109 30.1 28.1 42.1

65 41.1 52.7 79.1#





#27

2,4-Dimethylphenol

Concen: 43.96 ng

RT: 7.54 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

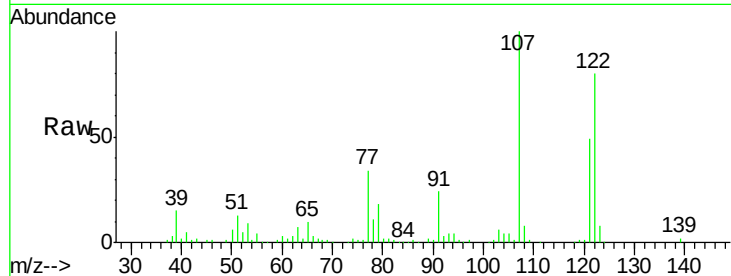
Tgt Ion:122 Resp: 142106

Ion Ratio Lower Upper

122 100

107 125.4 99.7 149.5

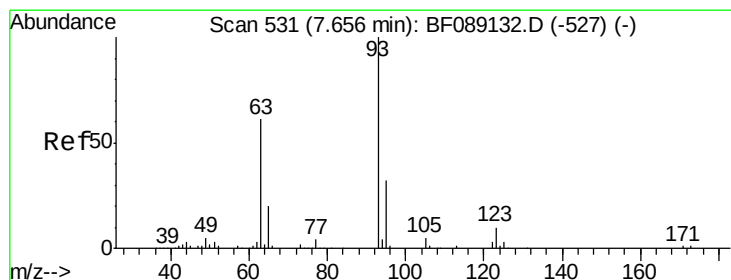
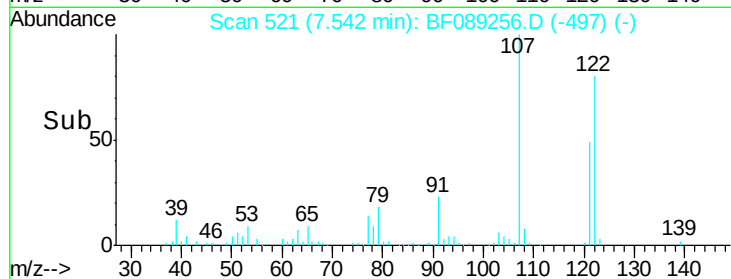
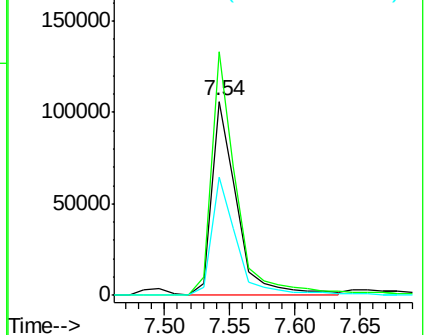
121 61.0 48.5 72.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 46.84 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

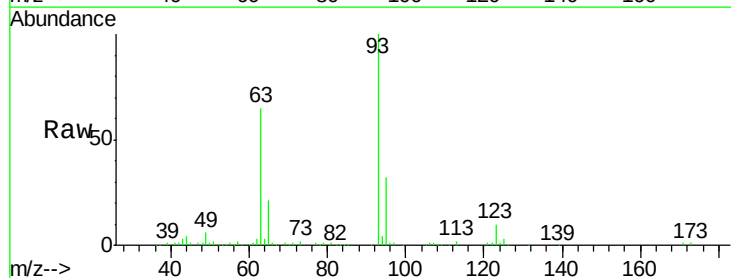
Tgt Ion: 93 Resp: 210613

Ion Ratio Lower Upper

93 100

95 32.0 25.4 38.0

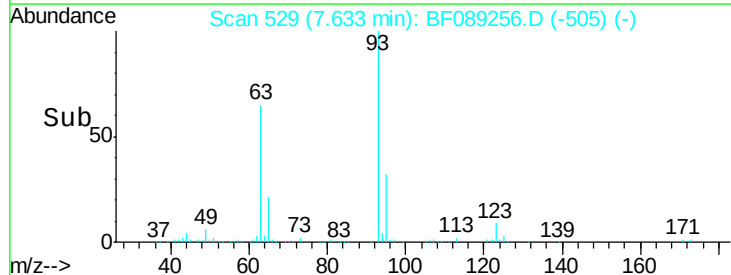
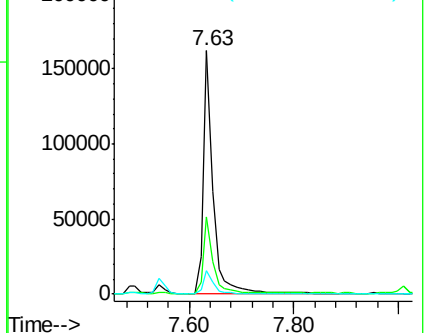
123 9.7 8.3 12.5

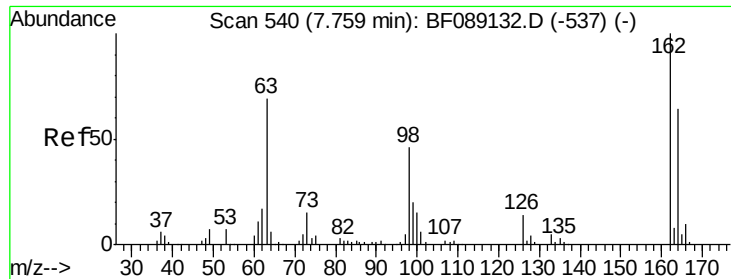


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

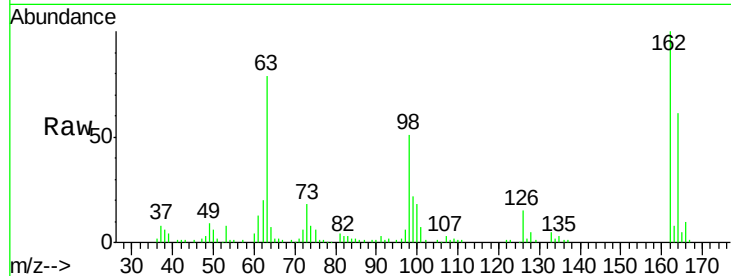




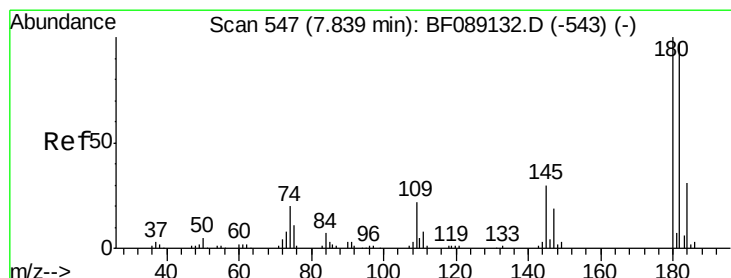
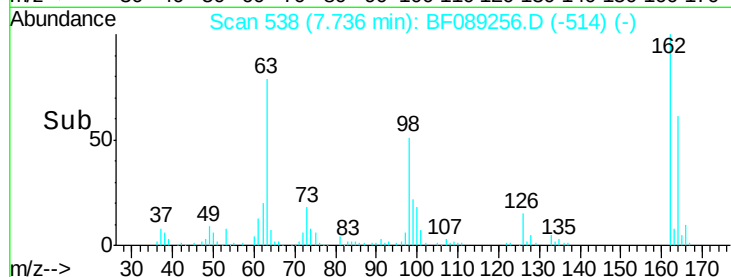
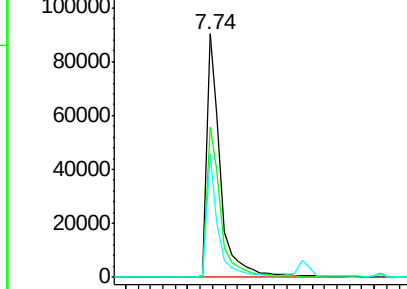
#29
 2,4-Dichlorophenol
 Concen: 46.89 ng
 RT: 7.74 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

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

Tgt Ion:162 Resp: 136578
 Ion Ratio Lower Upper
 162 100
 164 61.5 44.0 84.0
 98 50.6 26.0 66.0

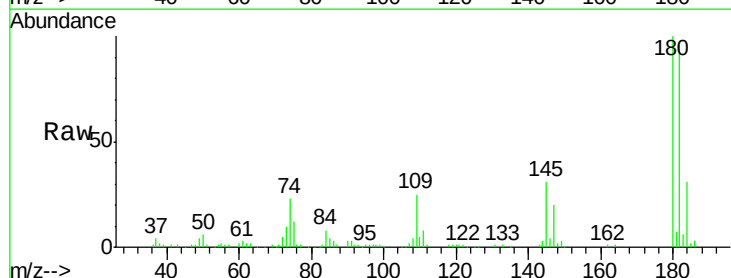


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

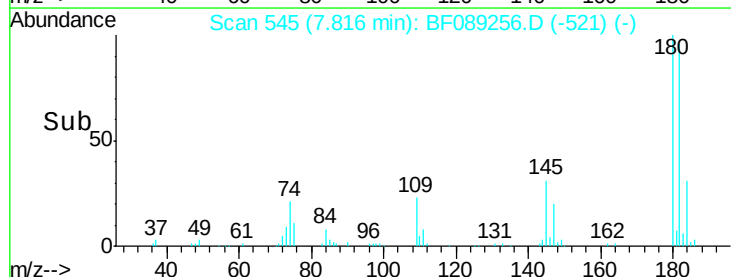
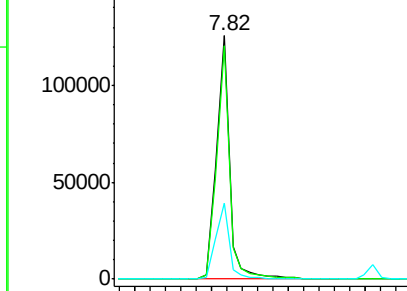


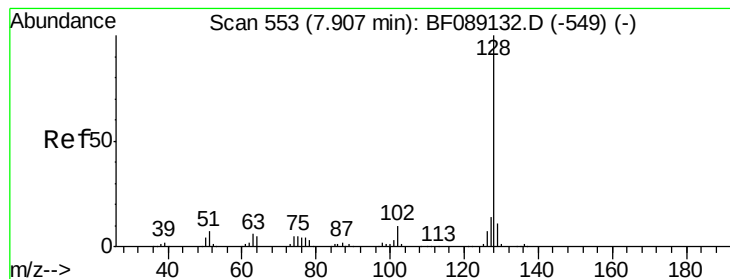
#30
 1,2,4-Trichlorobenzene
 Concen: 46.42 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion:180 Resp: 149698
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.6 116.4
 145 31.3 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: 43.93 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

Instrument :

BNA_F

ClientSampleId :

KMW-02-4.5-6.0MS

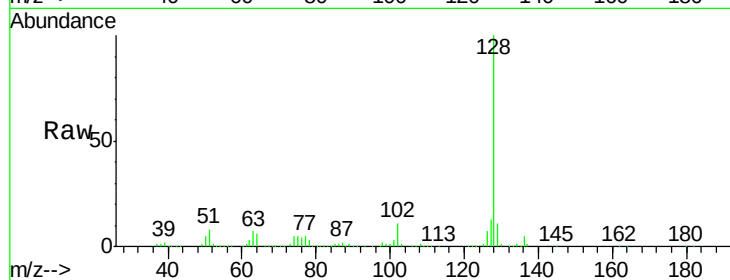
Tgt Ion:128 Resp: 491282

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

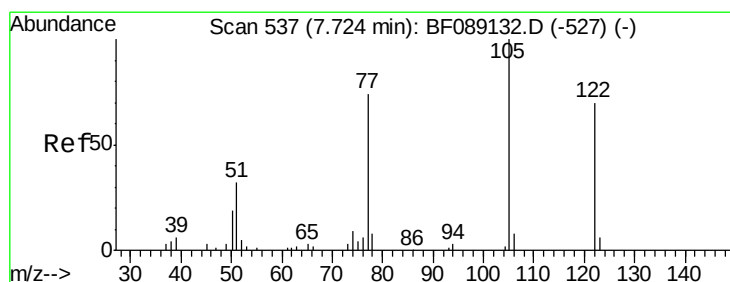
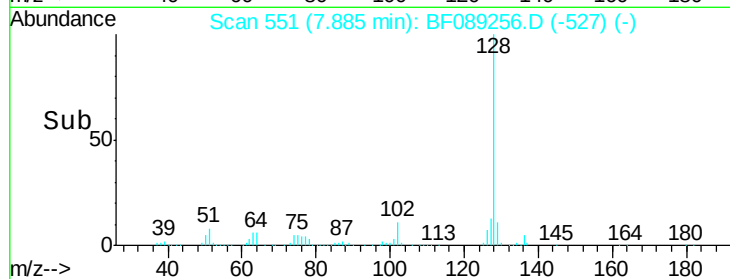
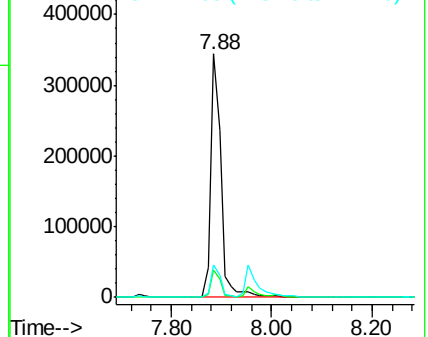
127 13.3 10.8 16.2



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: 3.88 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.07 min

Lab File: BF089256.D

Acq: 24 Jul 2016 3:03

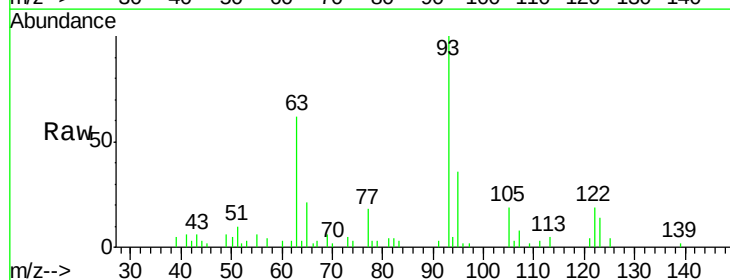
Tgt Ion:122 Resp: 9647

Ion Ratio Lower Upper

122 100

105 102.8 119.0 159.0#

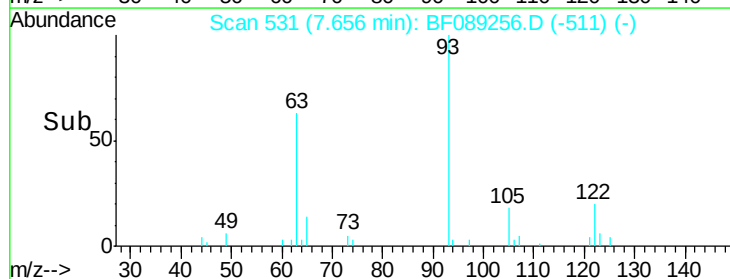
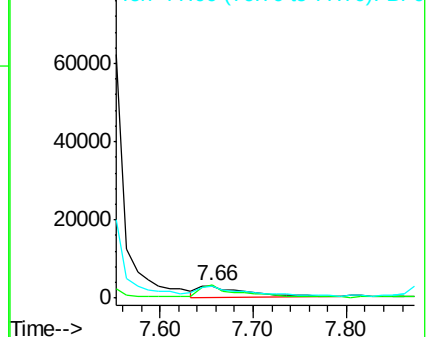
77 94.9 84.7 124.7

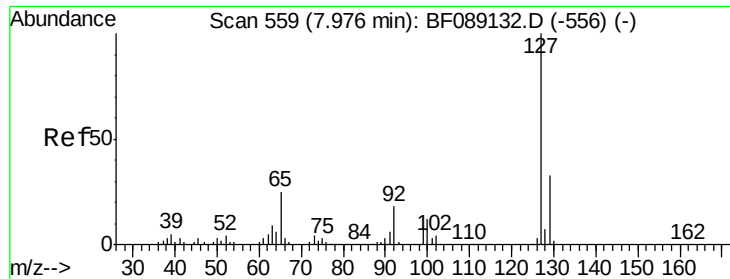


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

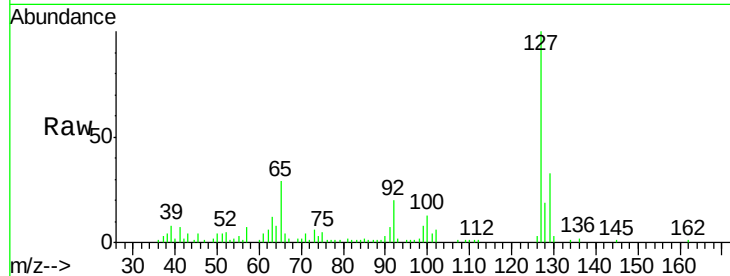




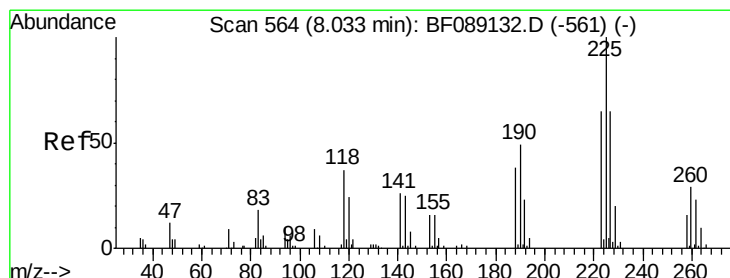
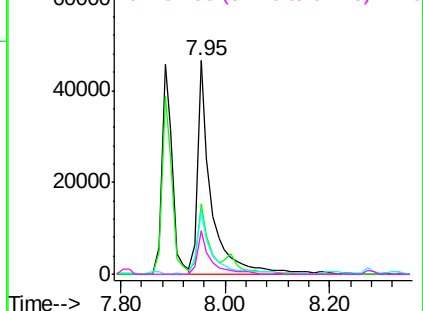
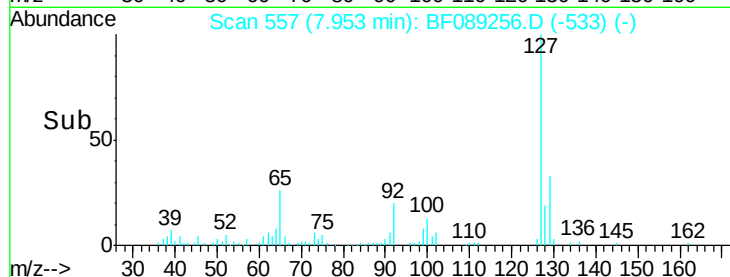
#33
4-Chloroaniline
Concen: 18.10 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

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

Tgt Ion:	127	Resp:	85127
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.9	38.9
65	29.1	19.7	29.5
92	20.4	14.3	21.5

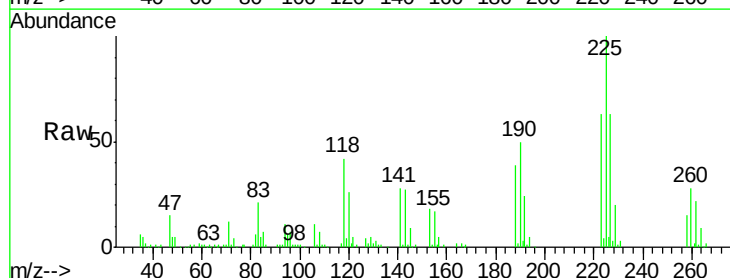


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

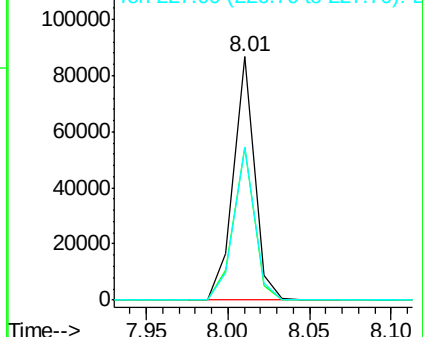
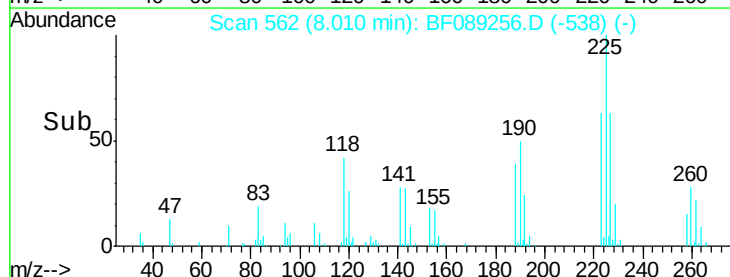


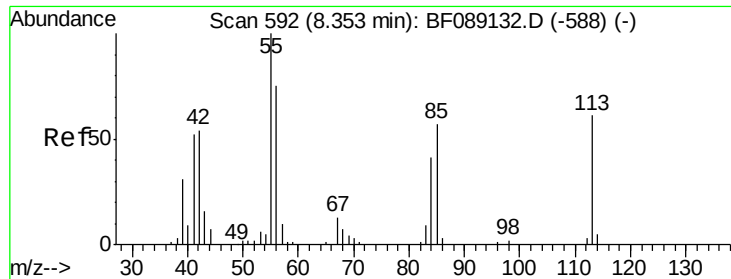
#34
Hexachlorobutadiene
Concen: 43.24 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.02 min
Lab File: BF089256.D
Acq: 24 Jul 2016 3:03

Tgt Ion:	225	Resp:	77606
Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.6	77.4
227	62.8	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

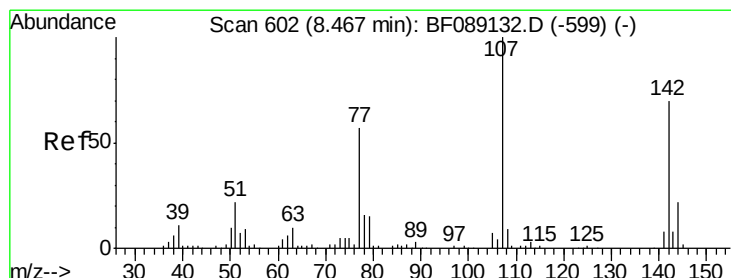
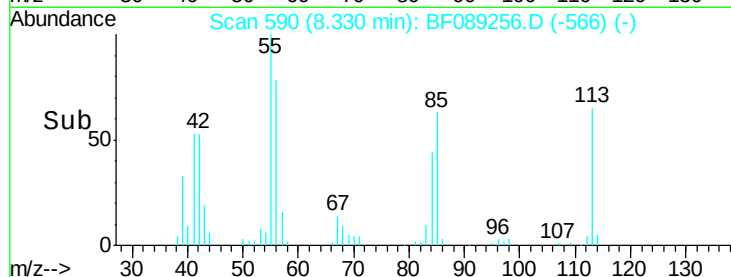
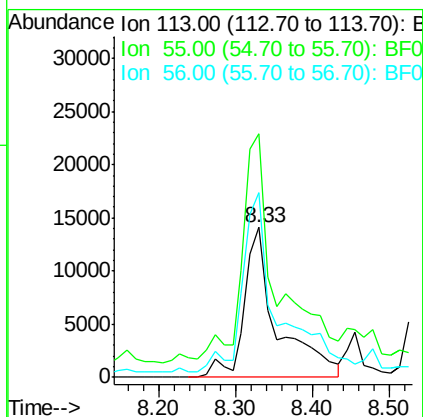
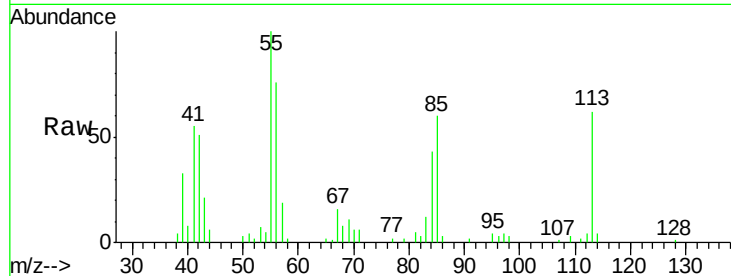




#35
 Caprolactam
 Concen: 46.99 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

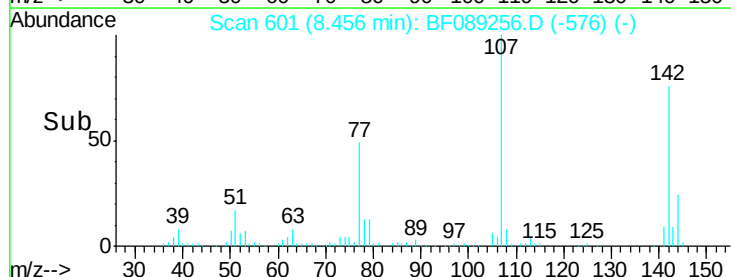
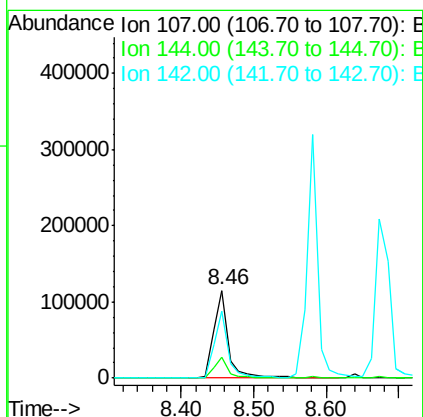
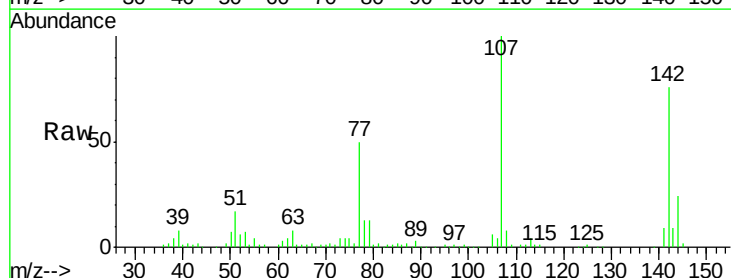
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MS

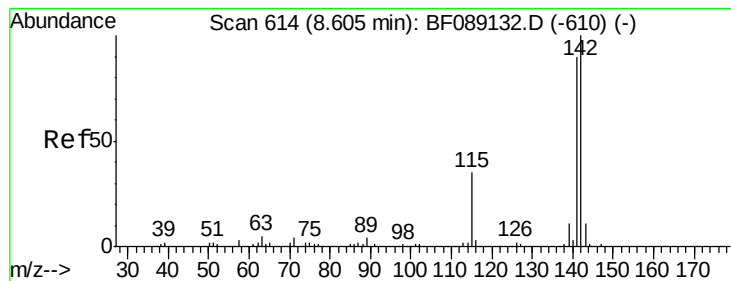
Tgt Ion:113 Resp: 42513
 Ion Ratio Lower Upper
 113 100
 55 162.3 145.3 185.3
 56 123.4 104.3 144.3



#36
 4-Chloro-3-methylphenol
 Concen: 46.63 ng
 RT: 8.46 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion:107 Resp: 163651
 Ion Ratio Lower Upper
 107 100
 144 24.4 17.8 26.6
 142 76.0 56.1 84.1

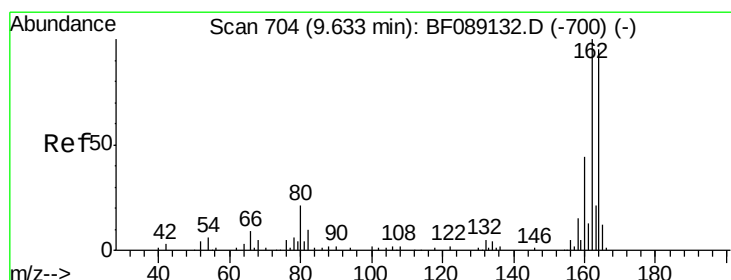
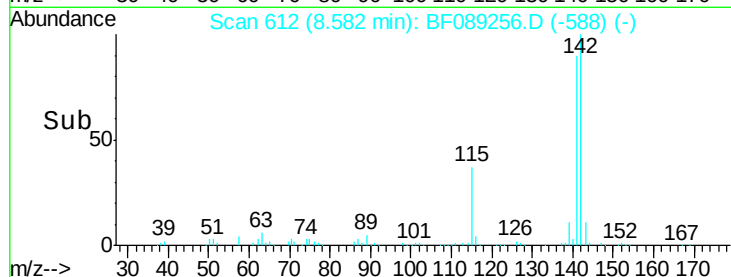
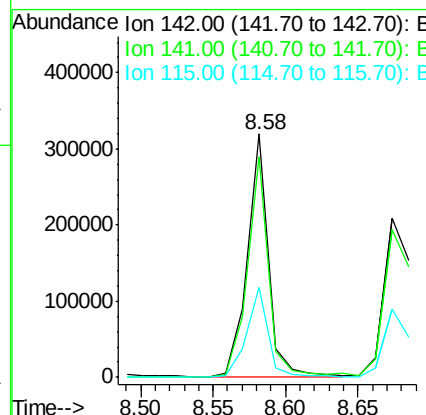
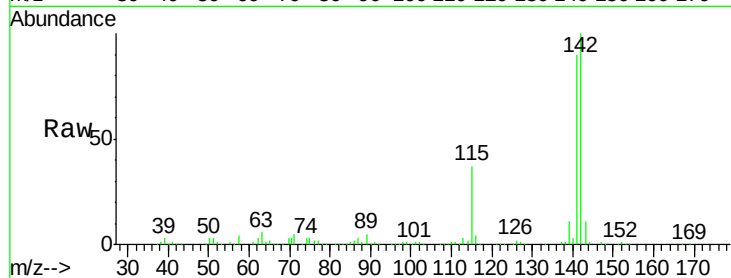




#37
 2-Methylnaphthalene
 Concen: 45.67 ng
 RT: 8.58 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

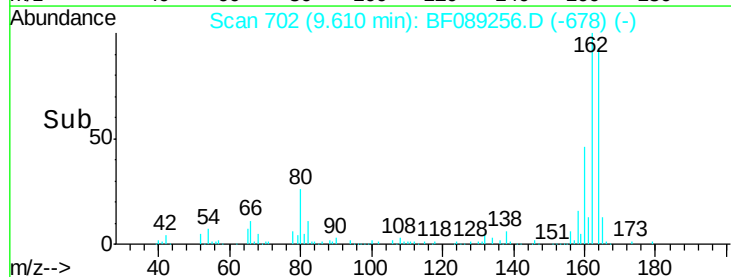
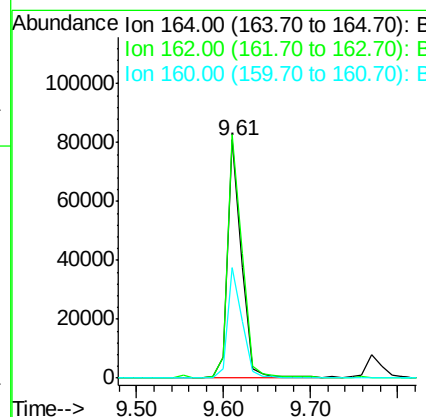
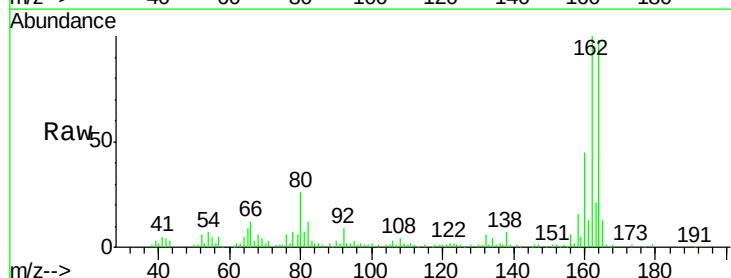
Instrument :
 BNA_F
 ClientSampleId :
 KMW-02-4.5-6.0MS

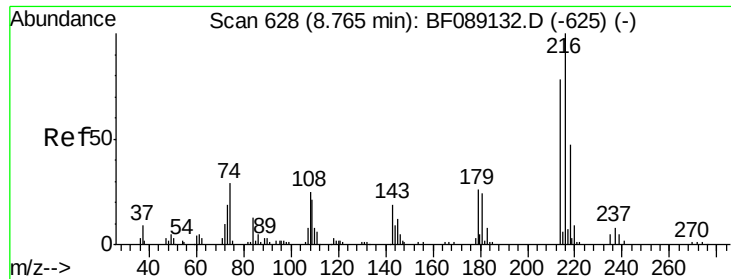
Tgt Ion:142 Resp: 325768
 Ion Ratio Lower Upper
 142 100
 141 90.5 71.6 107.4
 115 36.9 27.6 41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion:164 Resp: 92393
 Ion Ratio Lower Upper
 164 100
 162 102.2 84.1 126.1
 160 46.3 37.1 55.7

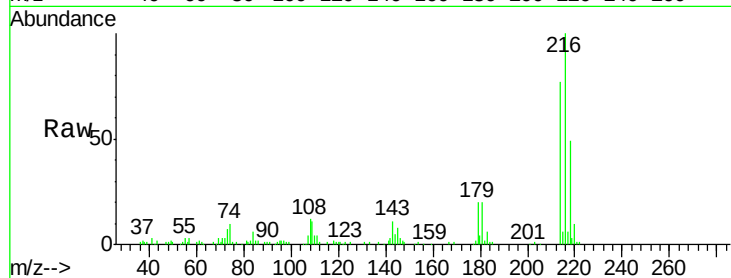




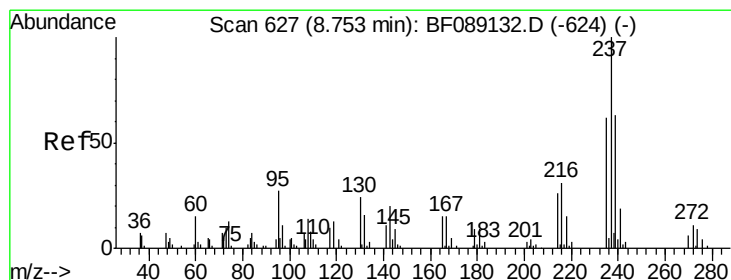
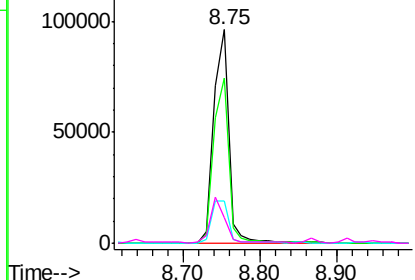
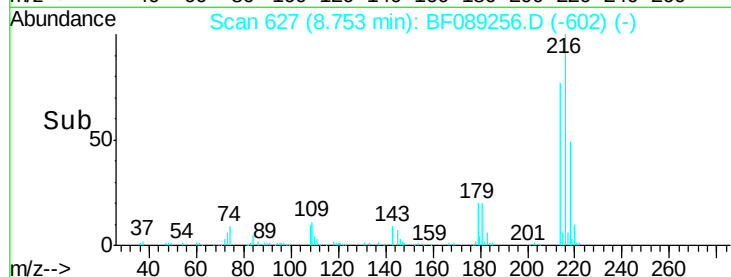
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.36 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

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

Tgt Ion:	216	Resp:	131744
Ion	Ratio	Lower	Upper
216	100		
214	78.3	61.9	92.9
179	22.6	18.4	27.6
108	21.4	17.0	25.6

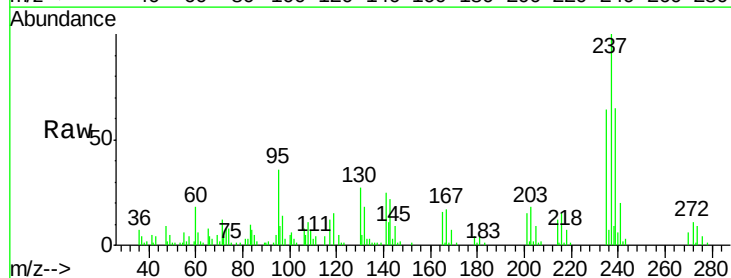


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

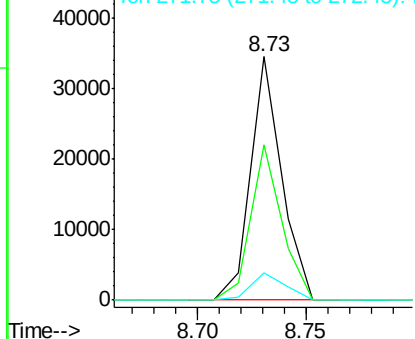
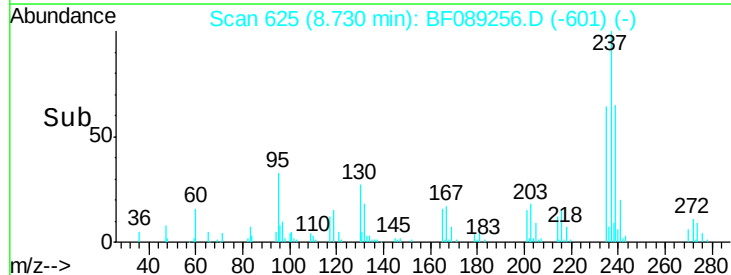


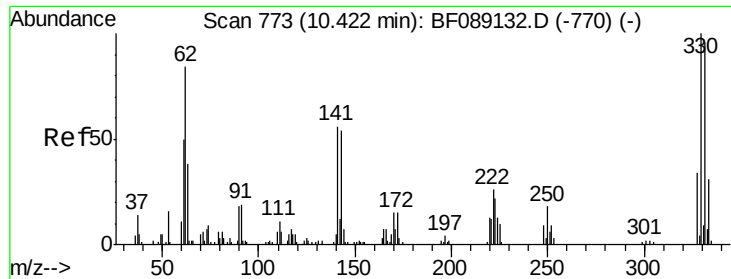
#40
 Hexachlorocyclopentadiene
 Concen: 35.15 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion:	237	Resp:	34316
Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.1	82.1
272	11.4	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

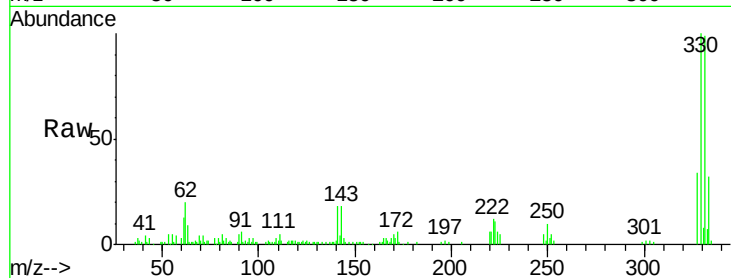




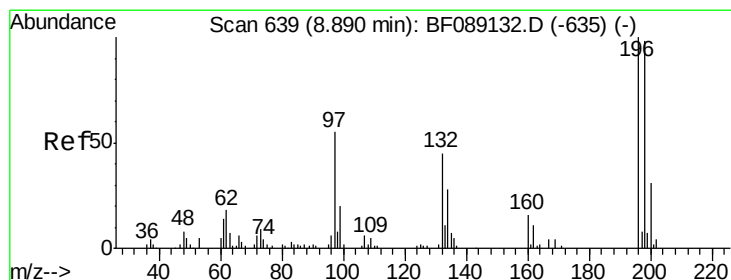
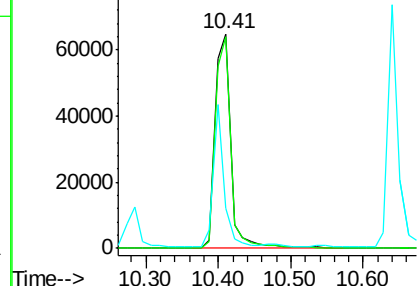
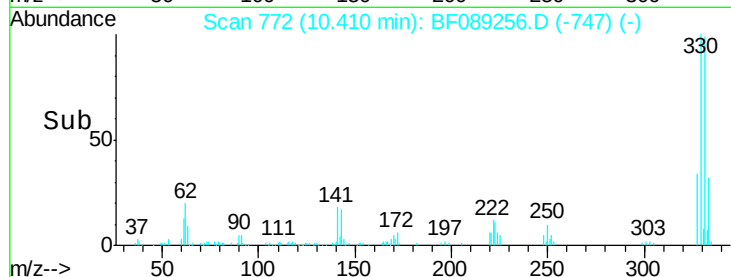
#41
 2,4,6-Tribromophenol
 Concen: 117.52 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

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

Tgt Ion:330 Resp: 97759
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.2 115.8
 141 44.8 42.2 63.2

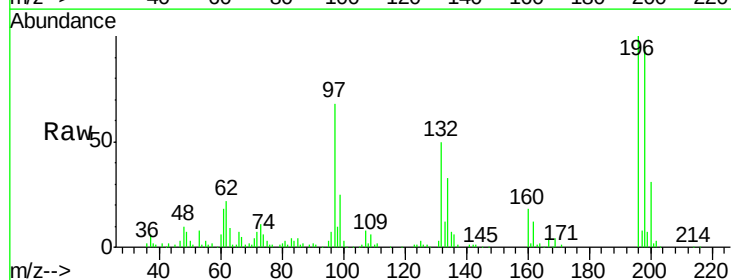


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

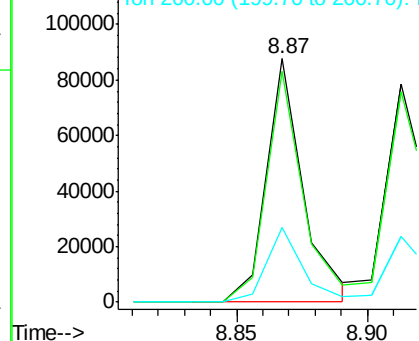
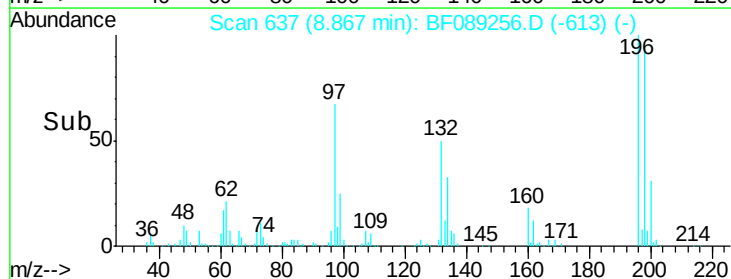


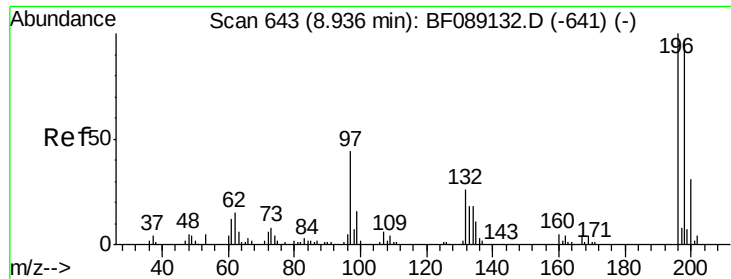
#42
 2,4,6-Trichlorophenol
 Concen: 44.81 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion:196 Resp: 86128
 Ion Ratio Lower Upper
 196 100
 198 94.7 78.3 117.5
 200 30.7 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

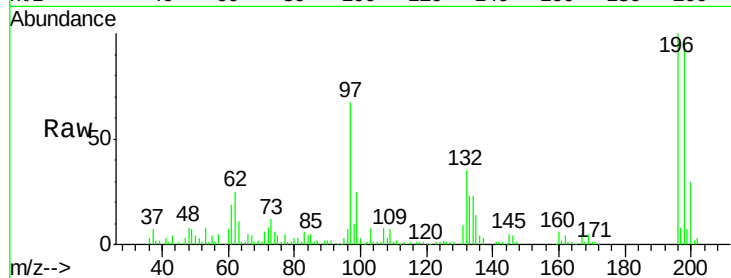




#43
 2,4,5-Trichlorophenol
 Concen: 53.27 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

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

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.6	116.4
97	67.1	36.5	54.7#
132	34.7	21.2	31.8#



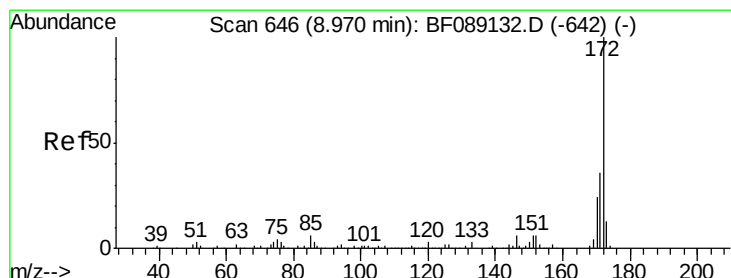
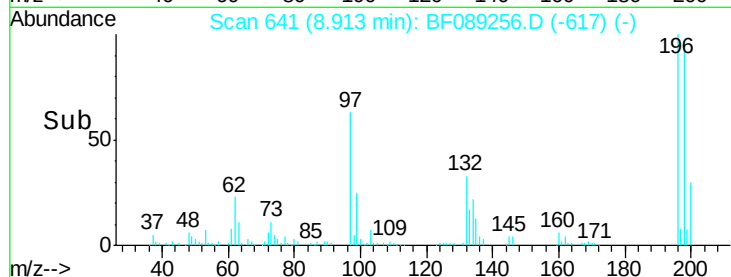
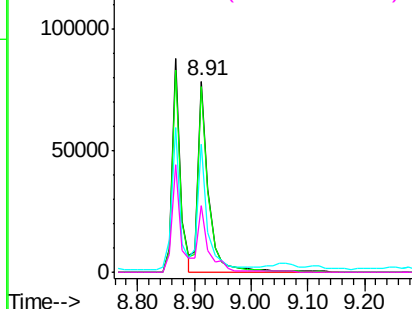
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

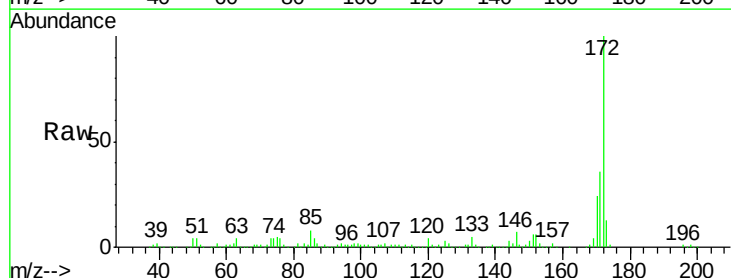
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.08 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089256.D
 Acq: 24 Jul 2016 3:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.2	43.8
170	24.1	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

