

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040416\
 Data File : BF086044.D
 Acq On : 4 Apr 2016 18:04
 Operator : UM/SJ
 Sample : H2180-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Quant Time: Apr 05 00:58:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	102083	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	384557	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	162268	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	254984	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	193460	20.00	ng	0.00
86) Perylene-d12	15.32	264	181876	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	811336	135.85	ng	0.00
7) Phenol-d6	6.42	99	988313	130.28	ng	0.00
23) Nitrobenzene-d5	7.33	82	616046	94.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	185296	121.66	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	955791	97.94	ng	-0.01
78) Terphenyl-d14	12.87	244	620279	75.37	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.32	88	110216	38.93	ng	98
3) Pyridine	3.02	79	294897	46.52	ng	99
4) n-Nitrosodimethylamine	2.97	42	143621	51.53	ng	97
6) Aniline	6.50	93	567412	57.01	ng	# 60
8) 2-Chlorophenol	6.56	128	320610	45.01	ng	99
9) Benzaldehyde	6.32	77	130604	32.00	ng	88
10) Phenol	6.43	94	378784	43.77	ng	99
11) bis(2-Chloroethyl)ether	6.50	93	567412	82.81	ng	96
12) 1,3-Dichlorobenzene	6.78	146	340439	45.10	ng	99
13) 1,4-Dichlorobenzene	6.78	146	340439	43.77	ng	93
14) 1,2-Dichlorobenzene	6.93	146	318300	44.47	ng	97
15) Benzyl Alcohol	6.92	79	244269	49.77	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.05	45	350793	41.91	ng	61
17) 2-Methylphenol	7.04	107	262773	46.79	ng	94
18) Hexachloroethane	7.28	117	118535	41.44	ng	97
19) n-Nitroso-di-n-propylamine	7.18	70	203466	43.27	ng	# 92
20) 3+4-Methylphenols	7.20	107	325626	47.68	ng	# 62
22) Acetophenone	7.18	105	448769	49.64	ng	# 89
24) Nitrobenzene	7.36	77	351985	49.34	ng	93
25) Isophorone	7.60	82	608230	47.25	ng	95
26) 2-Nitrophenol	7.68	139	161606	47.35	ng	# 90
27) 2,4-Dimethylphenol	7.72	122	305153	49.78	ng	94
28) bis(2-Chloroethoxy)methane	7.80	93	360029	47.67	ng	# 98
29) 2,4-Dichlorophenol	7.92	162	247396	47.73	ng	94
30) 1,2,4-Trichlorobenzene	8.00	180	276026	47.45	ng	95
31) Naphthalene	8.08	128	932541	48.21	ng	99
32) Benzoic acid	7.81	122	12436	2.77	ng	95
33) 4-Chloroaniline	8.14	127	149956	19.19	ng	98
34) Hexachlorobutadiene	8.19	225	143718	45.95	ng	98
35) Caprolactam	8.50	113	77625	47.21	ng	95
36) 4-Chloro-3-methylphenol	8.62	107	266391	45.72	ng	96
37) 2-Methylnaphthalene	8.76	142	564601	44.68	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	235189	48.22	ng	99
40) Hexachlorocyclopentadiene	8.91	237	56993	41.41	ng	99

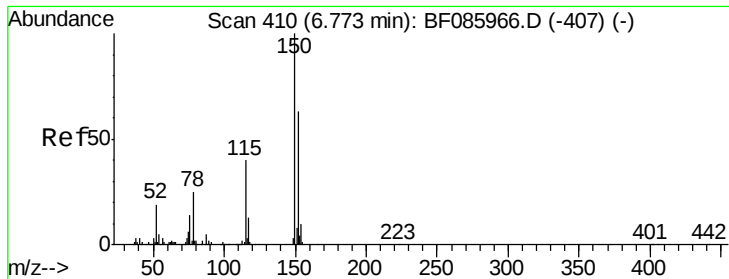
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	160925	51.38	ng	99
43) 2,4,5-Trichlorophenol	9.09	196	162331	51.05	ng #	88
45) 1,1'-Biphenyl	9.23	154	667118	47.68	ng	94
46) 2-Chloronaphthalene	9.25	162	507146	50.00	ng	97
47) 2-Nitroaniline	9.36	65	161125	54.30	ng	96
48) Acenaphthylene	9.66	152	810915	49.91	ng	99
49) Dimethylphthalate	9.53	163	675060	56.13	ng	99
50) 2,6-Dinitrotoluene	9.60	165	117714	46.26	ng	95
51) Acenaphthene	9.84	154	460498	47.66	ng	99
52) 3-Nitroaniline	9.77	138	106399	34.69	ng	96
53) 2,4-Dinitrophenol	9.88	184	23937	23.21	ng	97
54) Dibenzofuran	10.01	168	636692	49.89	ng	99
55) 4-Nitrophenol	9.95	139	154932	85.69	ng	87
56) 2,4-Dinitrotoluene	10.01	165	138482	43.07	ng #	74
57) Fluorene	10.35	166	498048	45.69	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.13	232	113645	48.00	ng	98
59) Diethylphthalate	10.22	149	533930	43.98	ng	97
60) 4-Chlorophenyl-phenylether	10.34	204	215893	42.52	ng	94
61) 4-Nitroaniline	10.38	138	113321	37.52	ng	95
62) Azobenzene	10.50	77	556622	47.87	ng	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	30948	20.03	ng #	64
65) n-Nitrosodiphenylamine	10.46	169	441028	55.31	ng	98
66) 4-Bromophenyl-phenylether	10.83	248	139439	53.56	ng	100
67) Hexachlorobenzene	10.90	284	133150	49.46	ng #	91
68) Atrazine	10.99	200	120386	46.72	ng	95
69) Pentachlorophenol	11.09	266	120481	95.49	ng	99
70) Phenanthrene	11.31	178	795888	57.21	ng	100
71) Anthracene	11.36	178	660532	45.33	ng	99
72) Carbazole	11.52	167	548897	43.82	ng	99
73) Di-n-butylphthalate	11.85	149	738615	47.59	ng	100
74) Fluoranthene	12.50	202	850462	58.78	ng	93
76) Benzidine	12.68	184	1721	0.25	ng #	1
77) Pyrene	12.73	202	823762	60.42	ng	100
79) Butylbenzylphthalate	13.35	149	273876	44.62	ng #	77
80) Benzo(a)anthracene	13.92	228	628804	55.14	ng	98
81) 3,3'-Dichlorobenzidine	13.87	252	44464	5.34	ng #	95
82) Chrysene	13.95	228	621158	56.55	ng	99
83) Bis(2-ethylhexyl)phthalate	13.91	149	413183	50.71	ng #	94
84) Di-n-octyl phthalate	14.51	149	690449	53.07	ng	99
85) Indeno(1,2,3-cd)pyrene	16.69	276	504630	56.62	ng	99
87) Benzo(b)fluoranthene	14.93	252	1171768	102.42	ng	98
88) Benzo(k)fluoranthene	14.93	252	1171768	115.66	ng #	97
89) Benzo(a)pyrene	15.28	252	563857	55.62	ng	97
90) Dibenzo(a,h)anthracene	16.69	278	385014	47.21	ng	97
91) Benzo(g,h,i)perylene	17.09	276	408847	51.80	ng	98

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

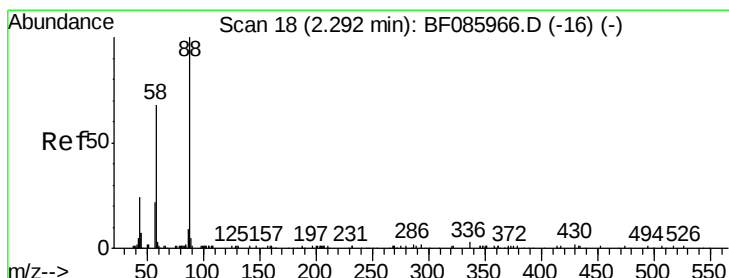
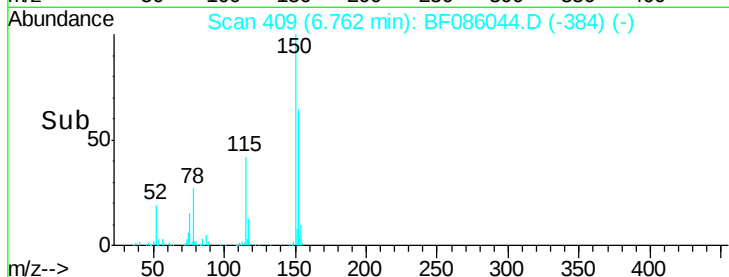
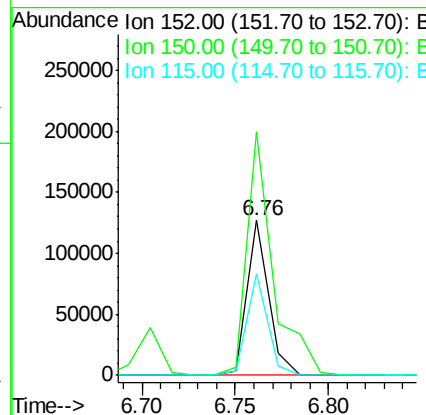
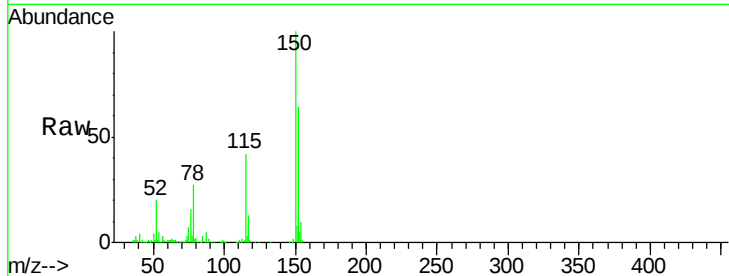


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

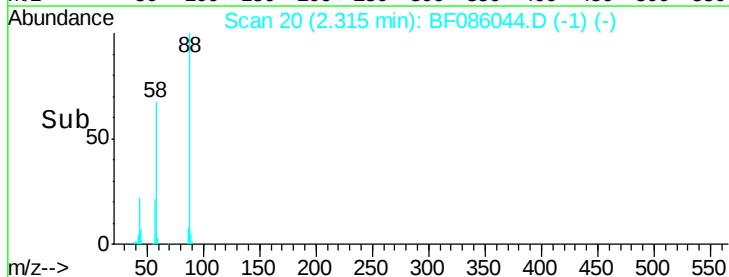
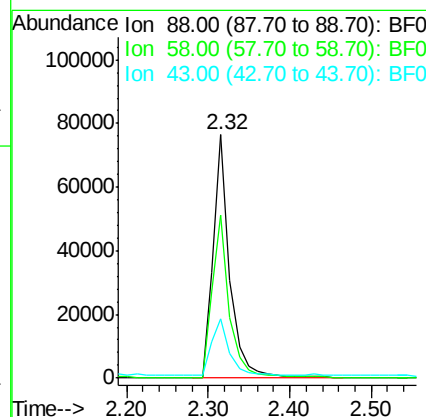
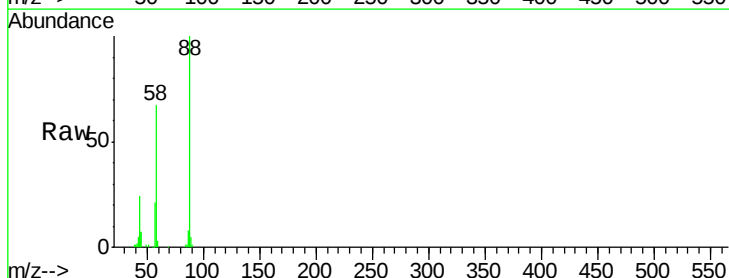
Tgt Ion: 152 Resp: 102083
Ion Ratio Lower Upper
152 100
150 157.3 124.2 186.2
115 65.4 47.0 70.6



#2

1,4-Dioxane
Concen: 38.93 ng
RT: 2.32 min Scan# 20
Delta R.T. 0.02 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion: 88 Resp: 110216
Ion Ratio Lower Upper
88 100
58 69.5 54.2 81.2
43 24.3 19.3 28.9





#3

Pyridine

Concen: 46.52 ng

RT: 3.02 min Scan# 82

Delta R.T. 0.02 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

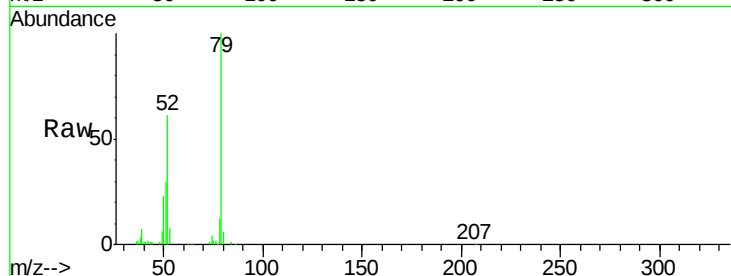
Tgt Ion: 79 Resp: 294897

Ion Ratio Lower Upper

79 100

52 61.2 49.8 74.6

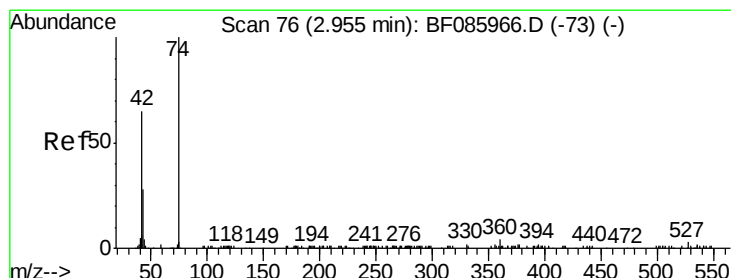
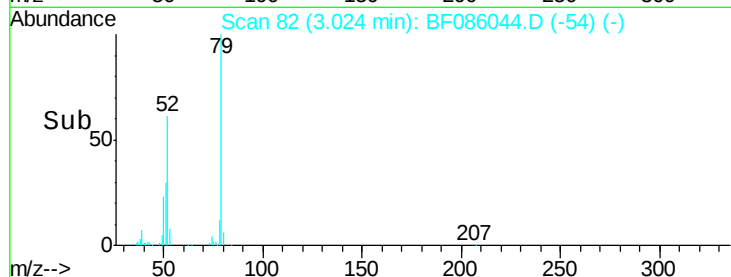
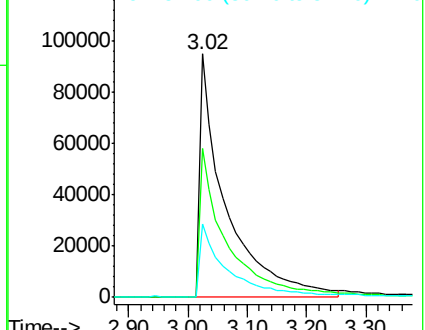
51 30.2 24.7 37.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 51.53 ng

RT: 2.97 min Scan# 77

Delta R.T. 0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

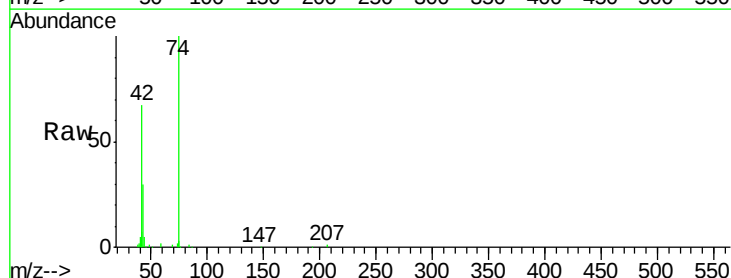
Tgt Ion: 42 Resp: 143621

Ion Ratio Lower Upper

42 100

74 148.4 121.4 182.2

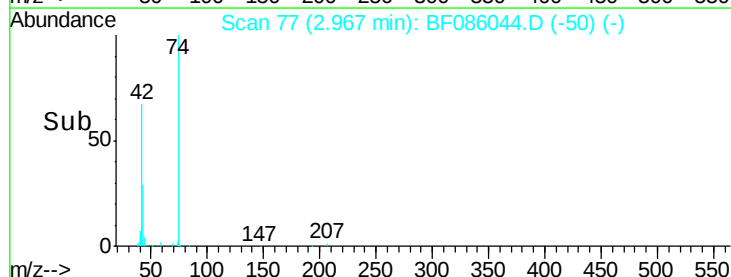
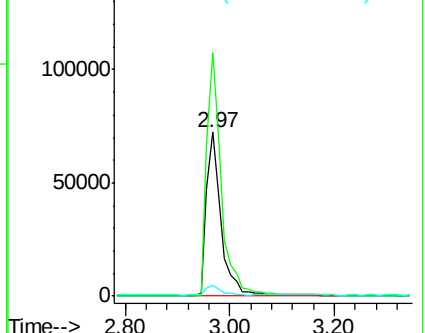
44 6.8 5.6 8.4

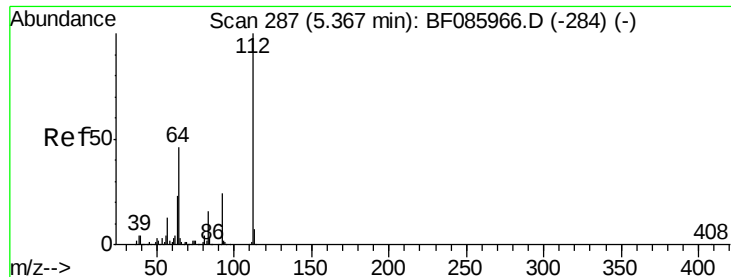


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 135.85 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

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ClientSampleId :

TK2-1-20160401MSD

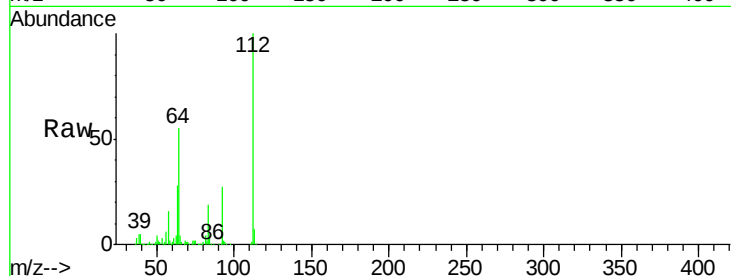
Tgt Ion: 112 Resp: 811336

Ion Ratio Lower Upper

112 100

64 54.6 39.9 59.9

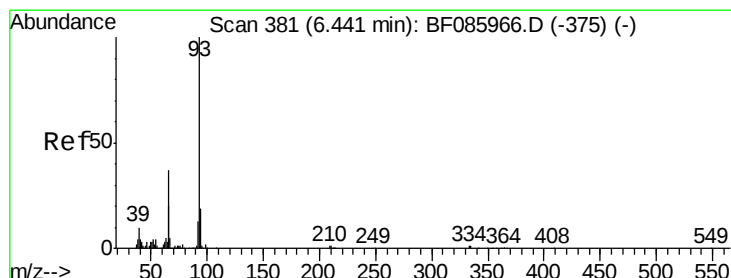
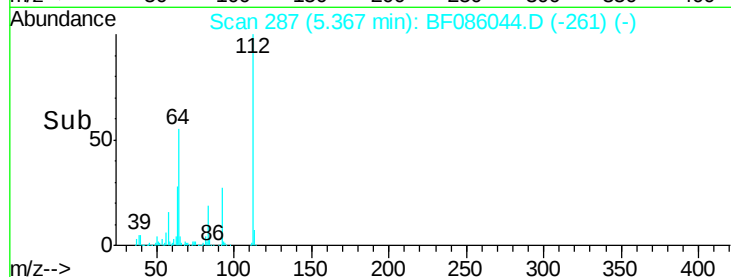
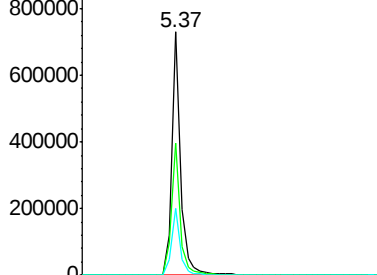
63 27.5 20.2 30.2



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: 57.01 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.06 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

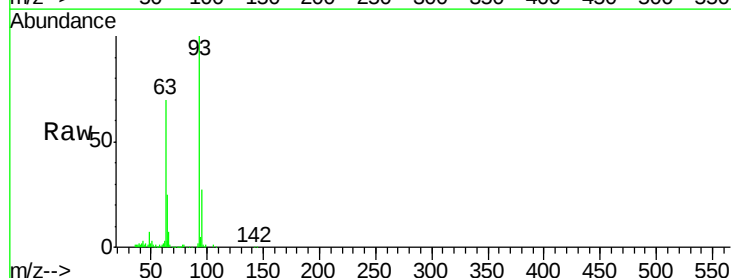
Tgt Ion: 93 Resp: 567412

Ion Ratio Lower Upper

93 100

66 6.6 31.4 47.2#

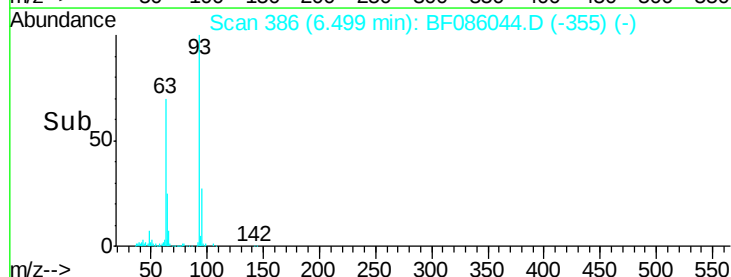
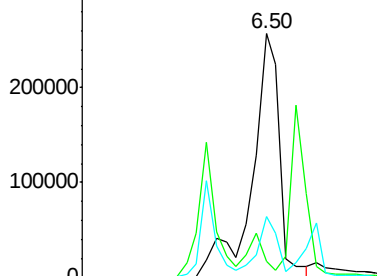
65 25.0 15.7 23.5#

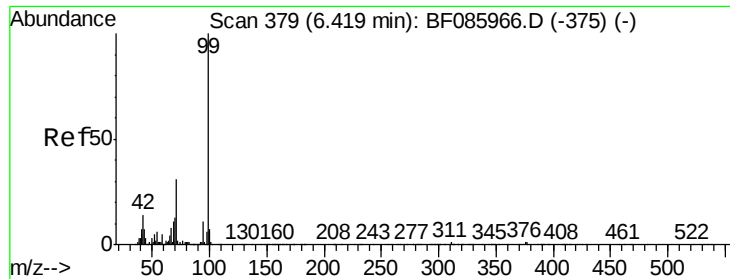


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 130.28 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

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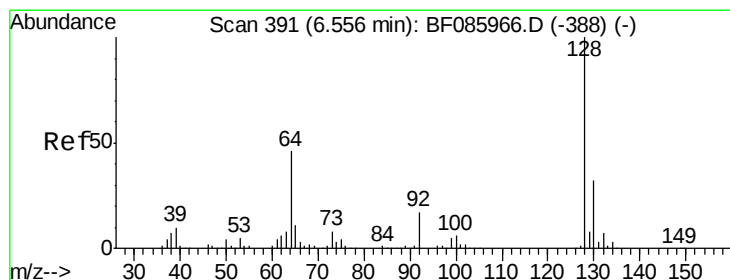
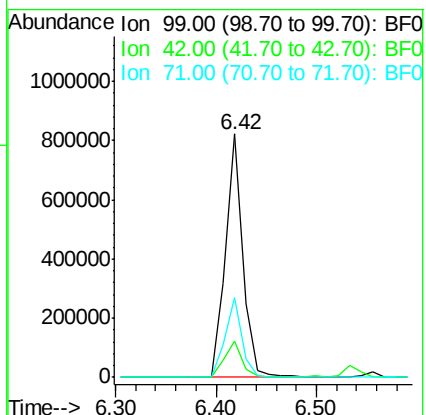
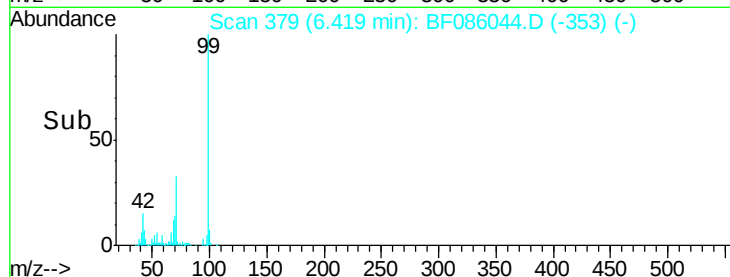
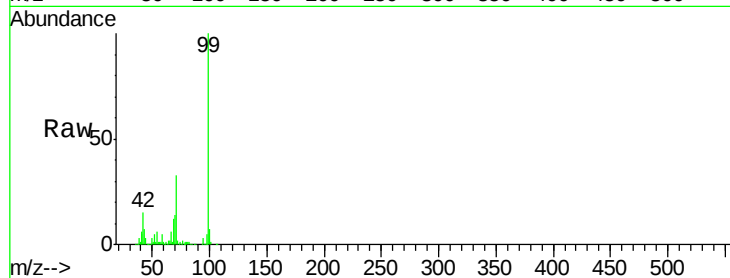
Tgt Ion: 99 Resp: 988313

Ion Ratio Lower Upper

99 100

42 15.0 11.1 16.7

71 32.6 24.9 37.3



#8

2-Chlorophenol

Concen: 45.01 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

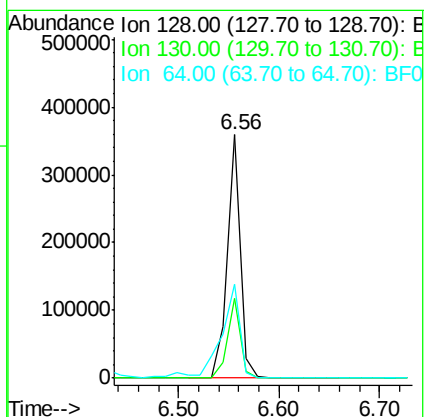
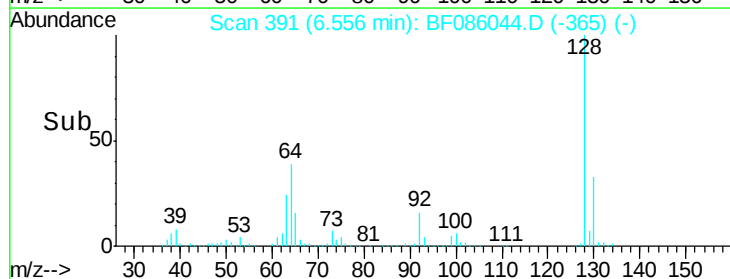
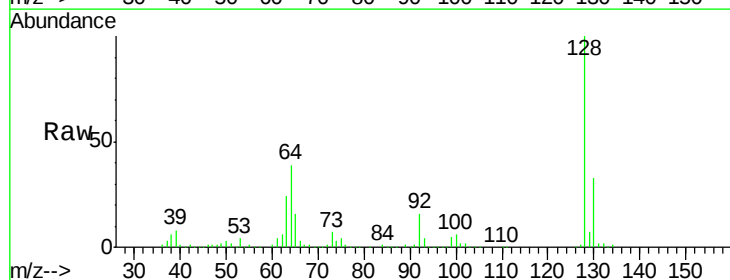
Tgt Ion: 128 Resp: 320610

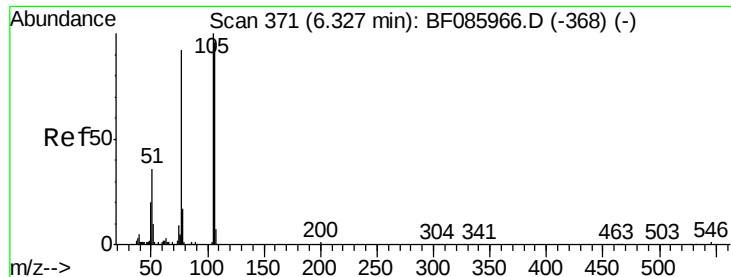
Ion Ratio Lower Upper

128 100

130 33.0 12.9 52.9

64 38.8 20.2 60.2





#9

Benzaldehyde

Concen: 32.00 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.01 min

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Acq: 4 Apr 2016 18:04

Instrument :

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ClientSampleId :

TK2-1-20160401MSD

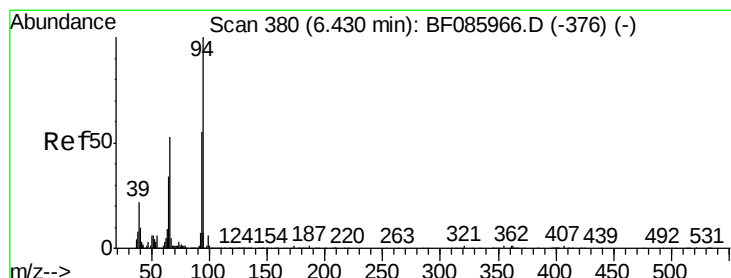
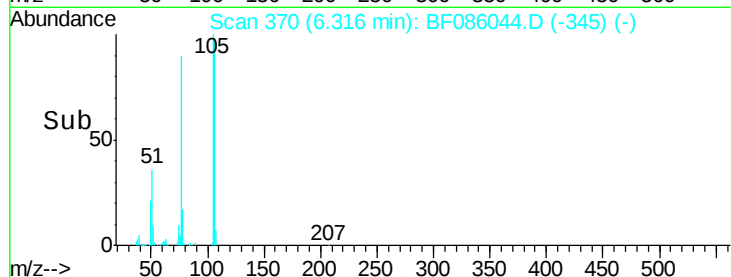
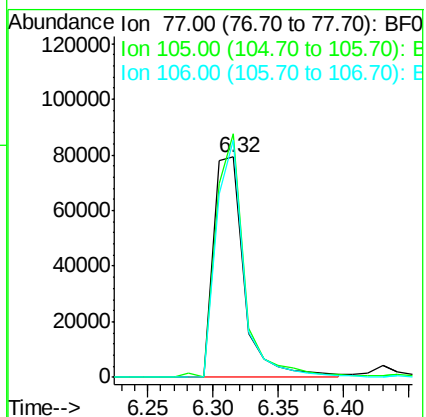
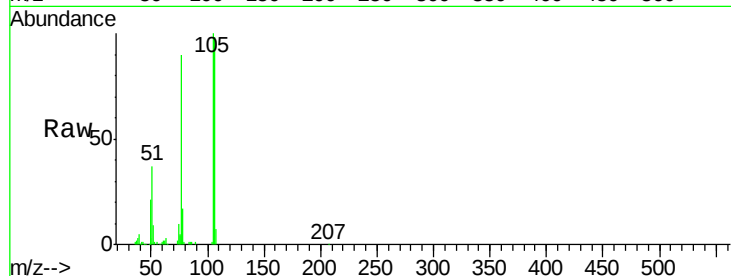
Tgt Ion: 77 Resp: 130604

Ion Ratio Lower Upper

77 100

105 110.5 80.1 120.1

106 107.8 75.0 115.0



#10

Phenol

Concen: 43.77 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

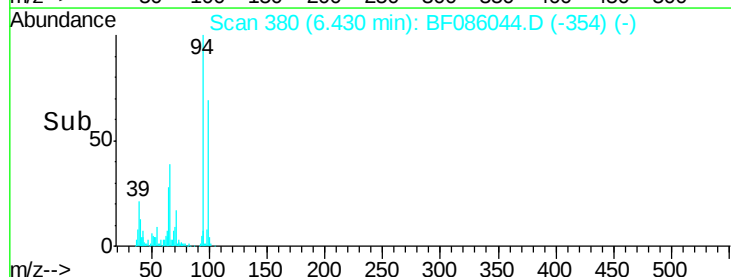
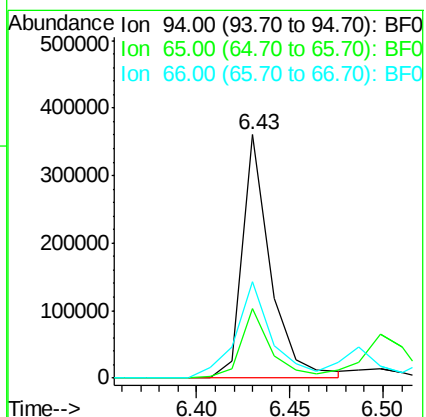
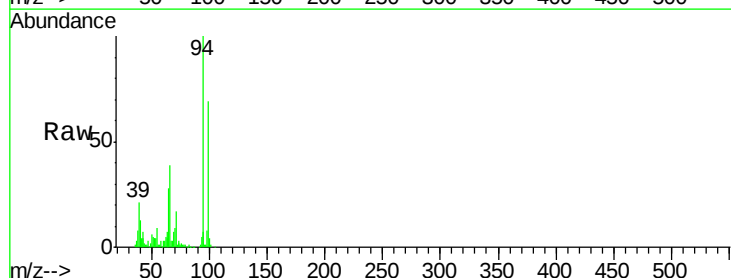
Tgt Ion: 94 Resp: 378784

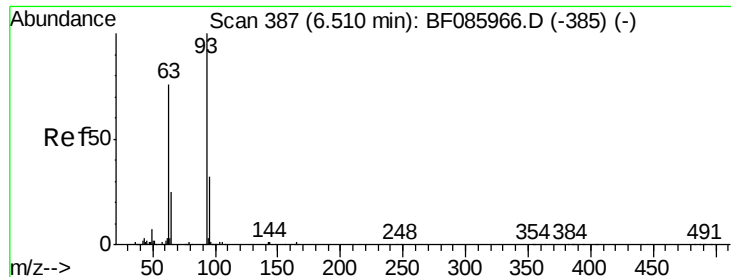
Ion Ratio Lower Upper

94 100

65 28.3 8.6 48.6

66 39.5 20.0 60.0

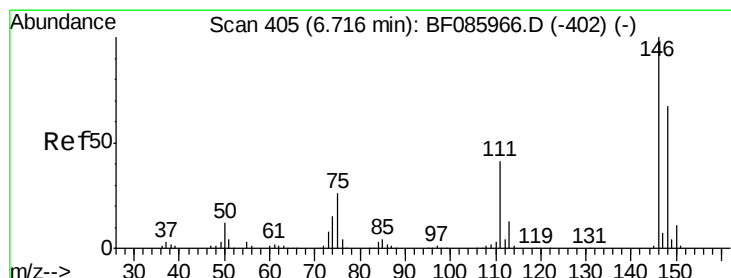
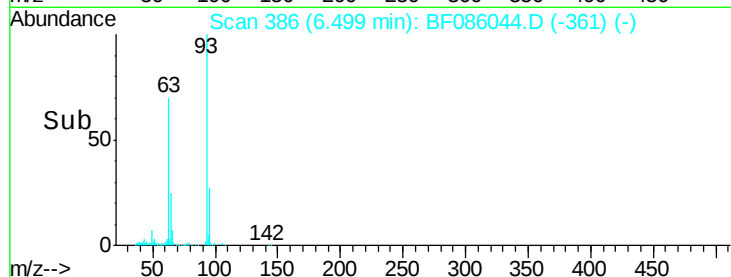
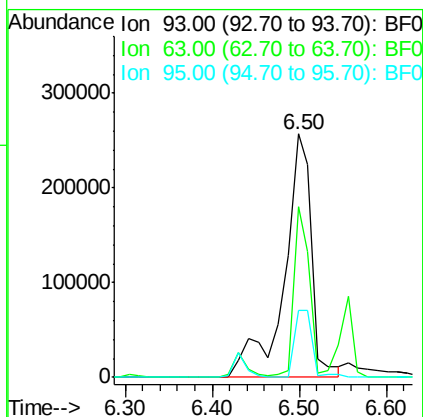
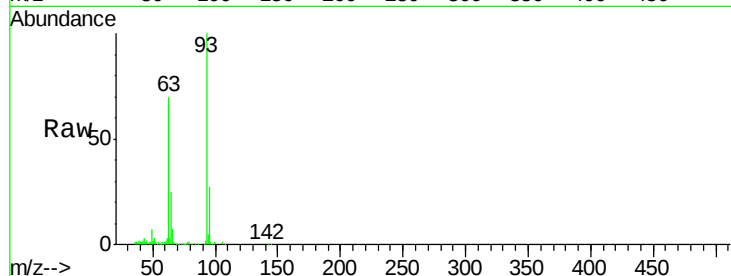




#11
bis(2-Chloroethyl)ether
Concen: 82.81 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

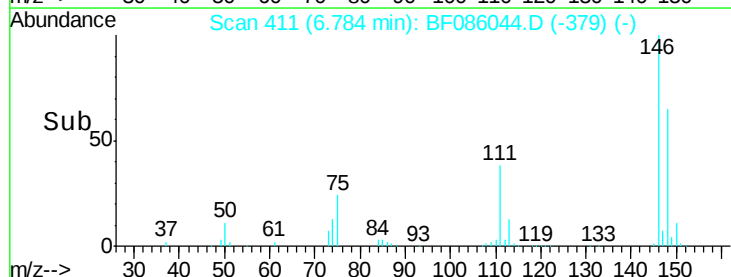
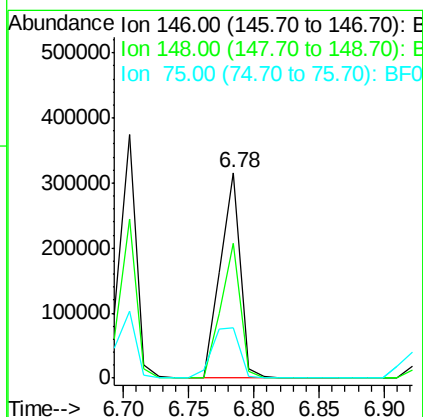
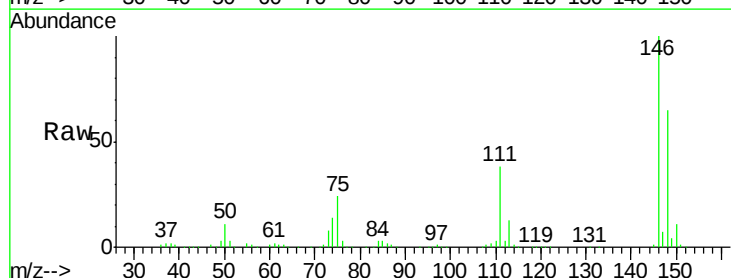
Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

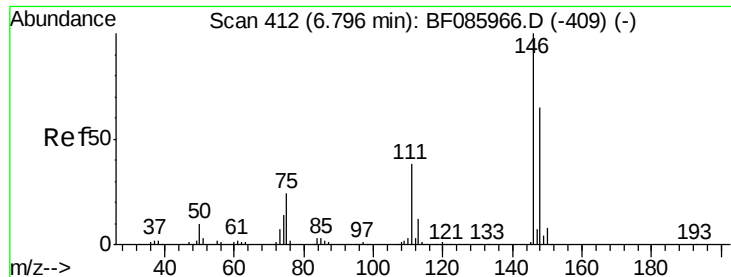
Tgt Ion: 93 Resp: 567412
Ion Ratio Lower Upper
93 100
63 70.2 50.9 90.9
95 27.5 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 45.10 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.07 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion: 146 Resp: 340439
Ion Ratio Lower Upper
146 100
148 65.4 52.3 78.5
75 24.3 17.4 26.2





#13

1,4-Dichlorobenzene

Concen: 43.77 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

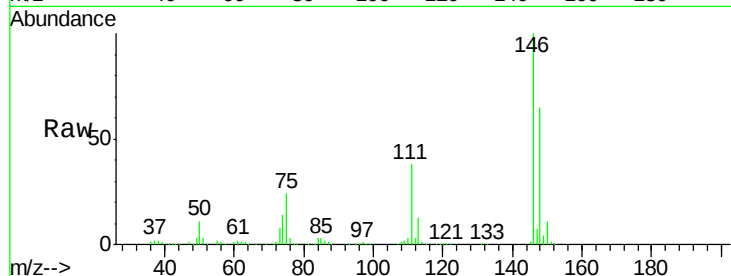
Tgt Ion:146 Resp: 340439

Ion Ratio Lower Upper

146 100

148 65.4 50.6 76.0

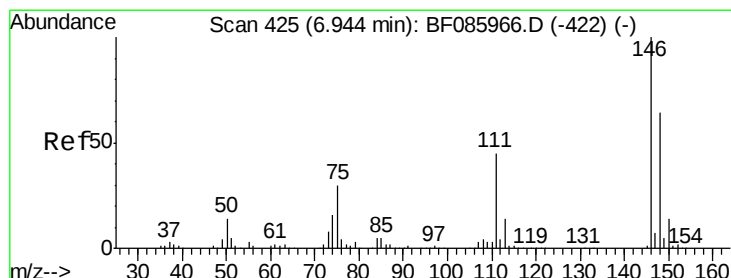
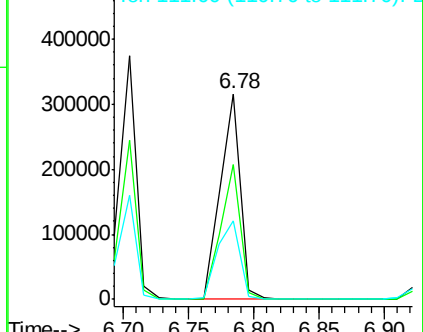
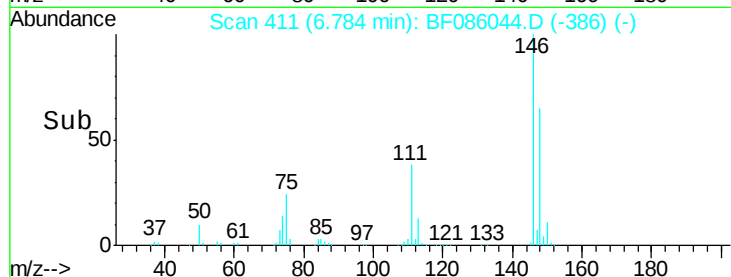
111 38.1 37.8 56.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.47 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

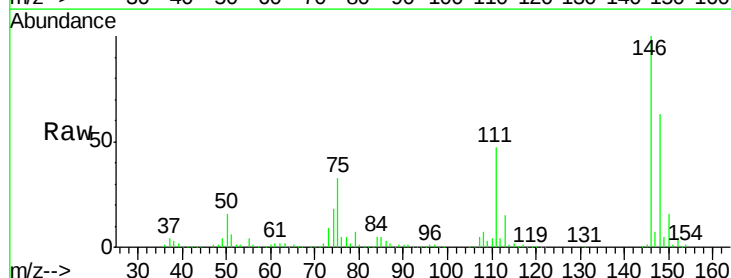
Tgt Ion:146 Resp: 318300

Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.2

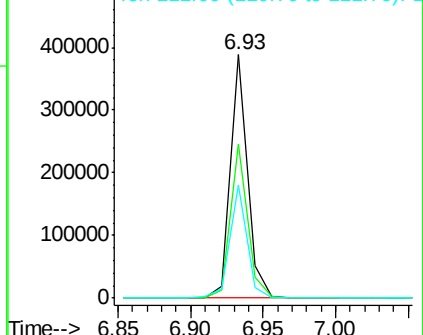
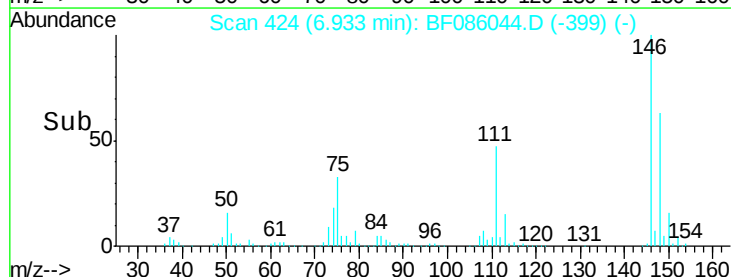
111 46.5 34.6 52.0

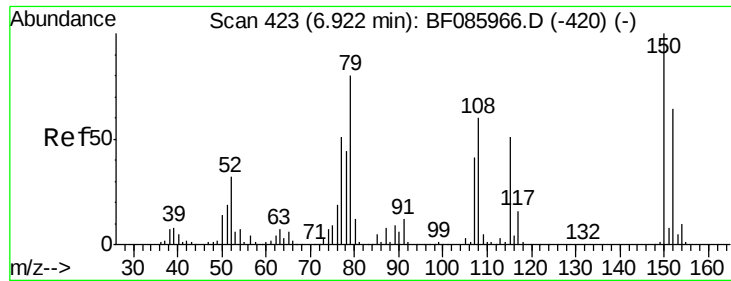


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

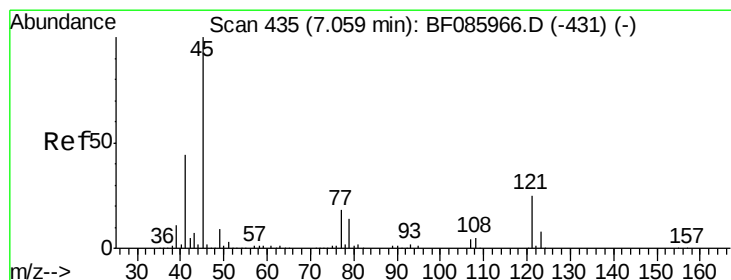
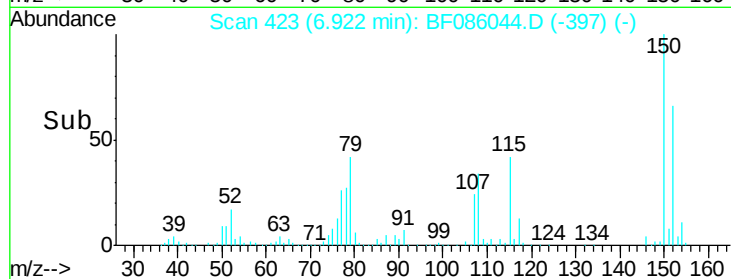
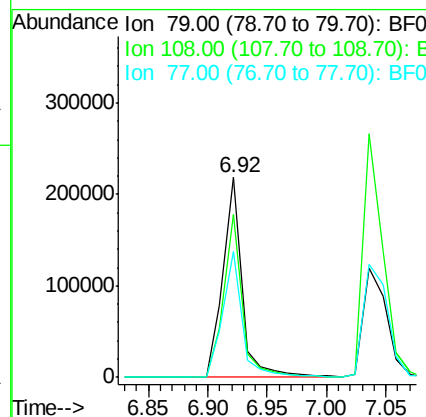
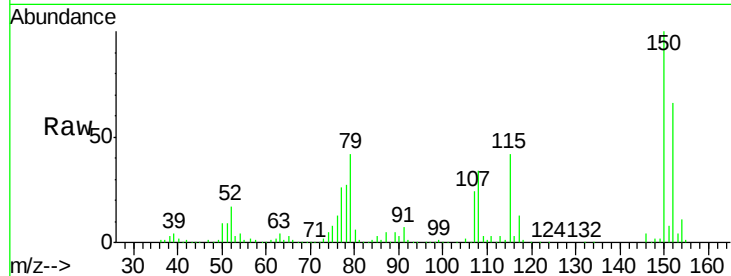




#15
Benzyl Alcohol
Concen: 49.77 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

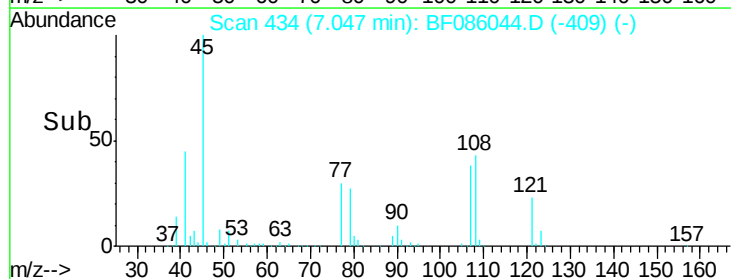
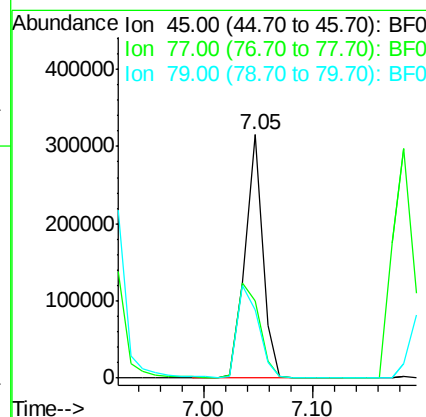
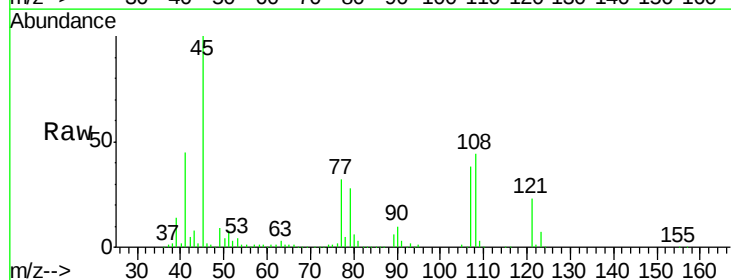
Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

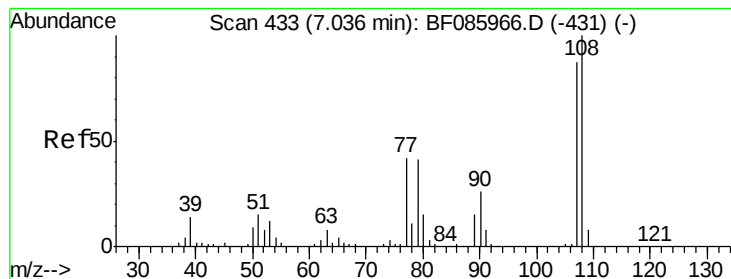
Tgt Ion: 79 Resp: 244269
Ion Ratio Lower Upper
79 100
108 81.6 61.8 92.6
77 62.9 49.6 74.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.91 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion: 45 Resp: 350793
Ion Ratio Lower Upper
45 100
77 31.9 0.0 35.7
79 28.1 0.0 32.2

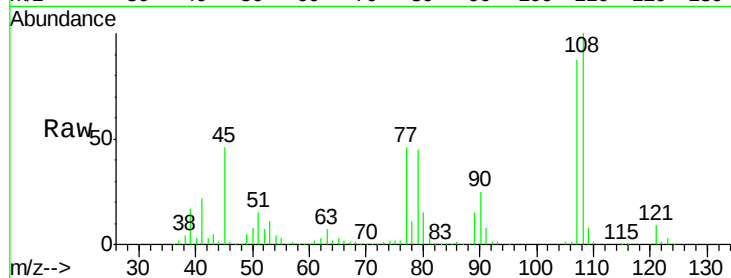




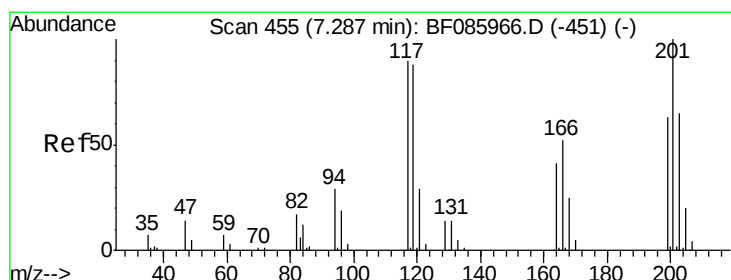
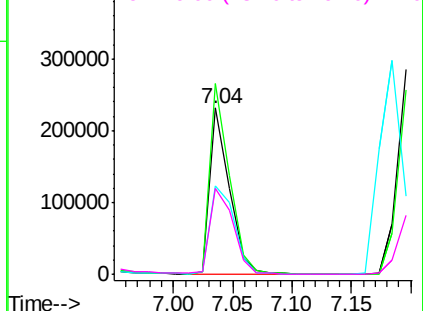
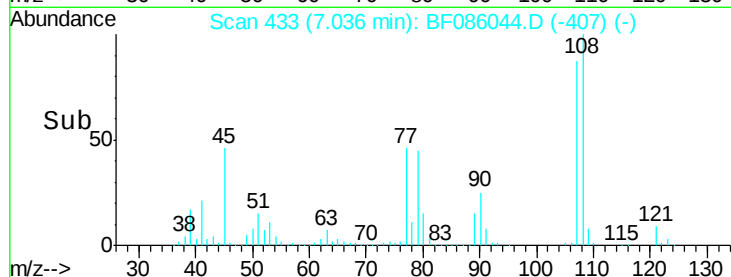
#17
2-Methylphenol
Concen: 46.79 ng
RT: 7.04 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

Tgt Ion:107 Resp: 262773
Ion Ratio Lower Upper
107 100
108 115.3 91.4 137.0
77 53.6 36.2 54.2
79 51.8 35.8 53.8

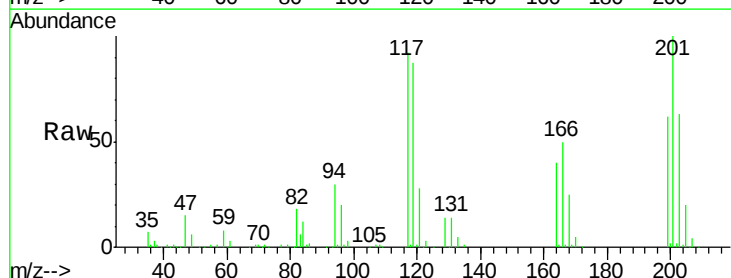


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

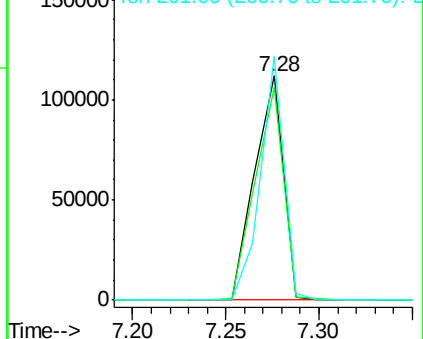
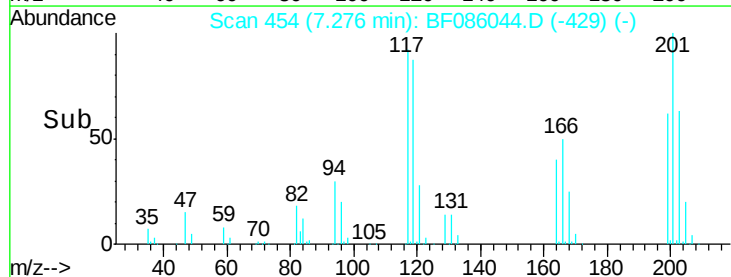


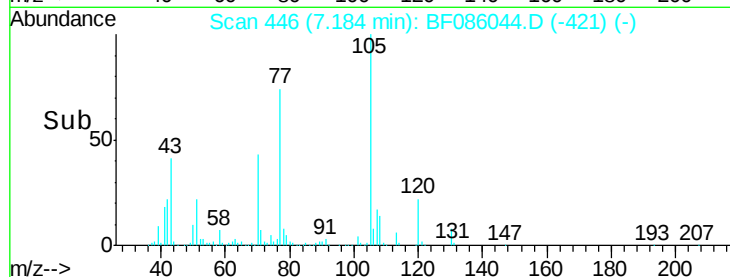
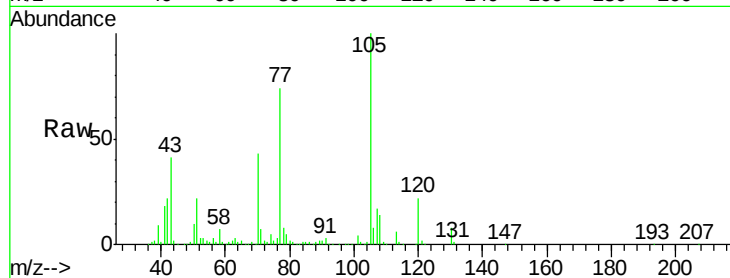
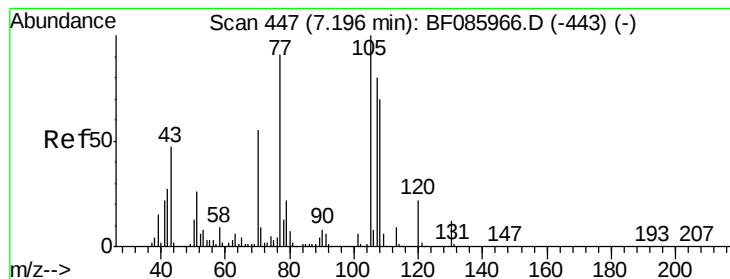
#18
Hexachloroethane
Concen: 41.44 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion:117 Resp: 118535
Ion Ratio Lower Upper
117 100
119 94.8 76.7 115.1
201 108.8 83.3 124.9



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 43.27 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

Tgt Ion: 70 Resp: 203466

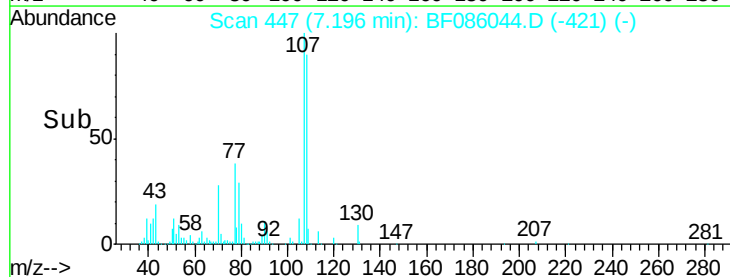
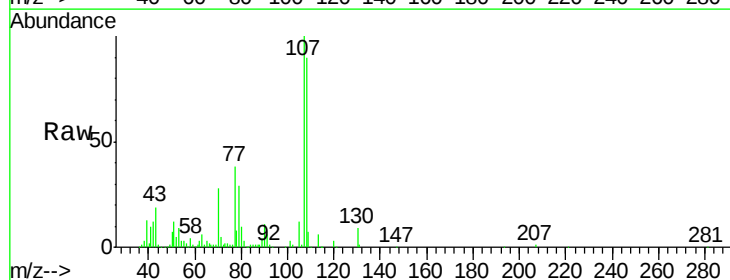
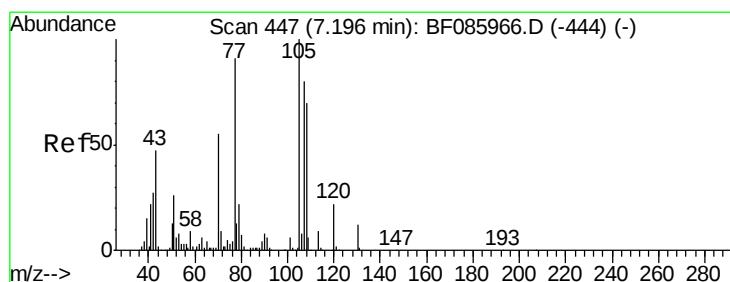
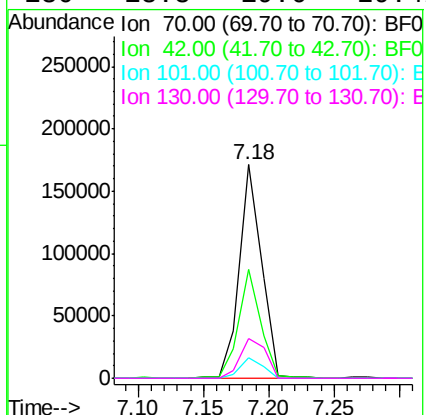
Ion Ratio Lower Upper

70 100

42 51.3 37.1 55.7

101 9.4 8.6 12.8

130 18.8 19.6 29.4#



#20

3+4-Methylphenols

Concen: 47.68 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Tgt Ion: 107 Resp: 325626

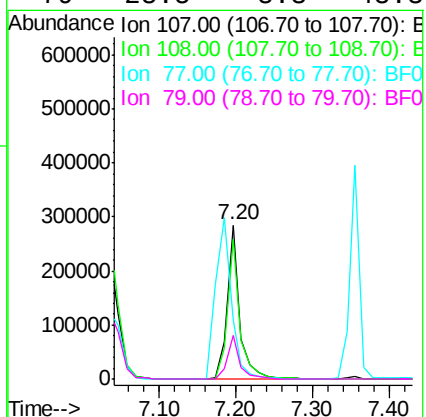
Ion Ratio Lower Upper

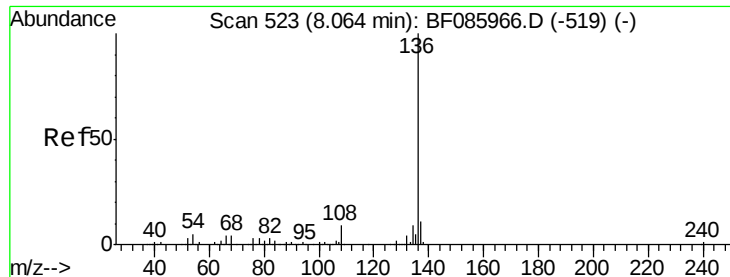
107 100

108 90.4 69.3 109.3

77 38.4 101.7 141.7#

79 28.5 8.3 48.3

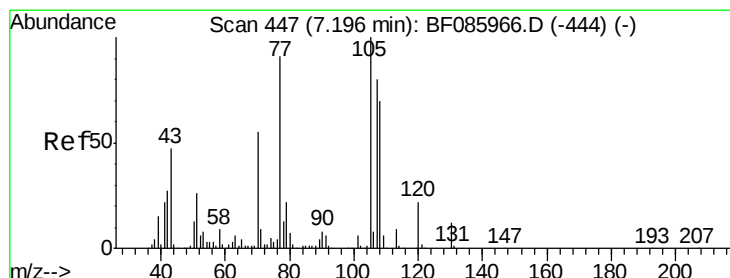
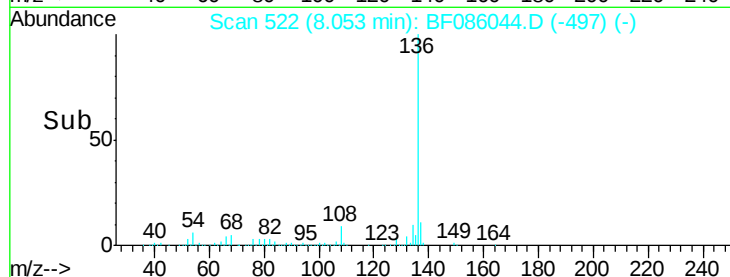
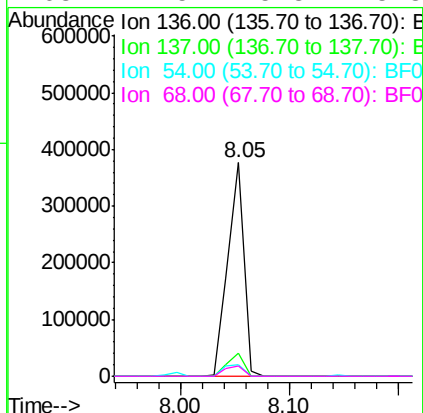
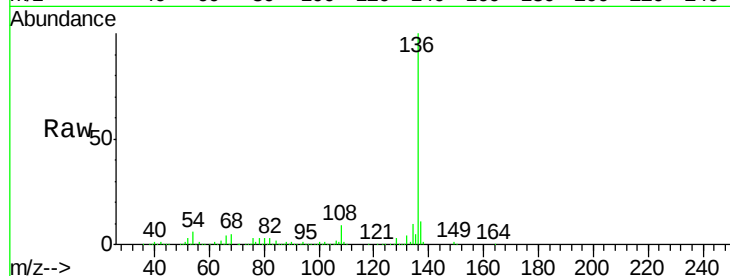




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

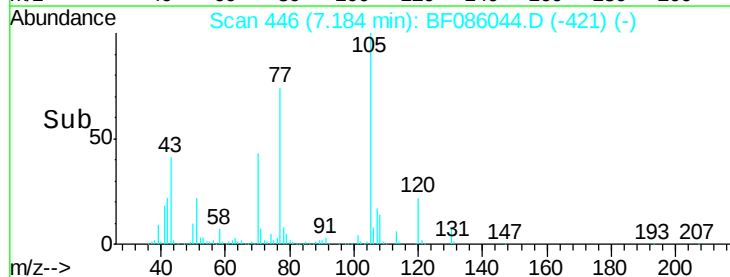
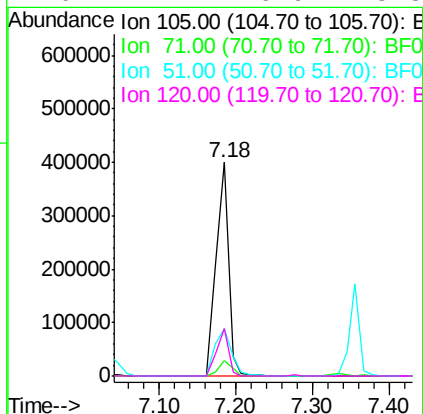
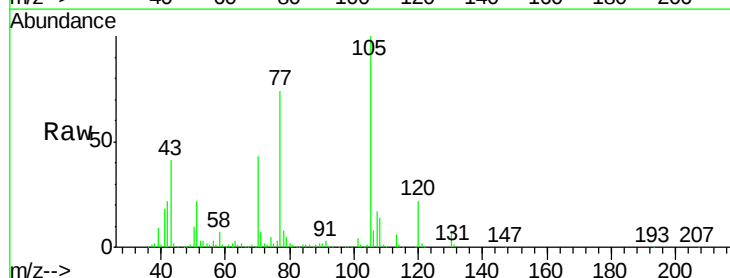
Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

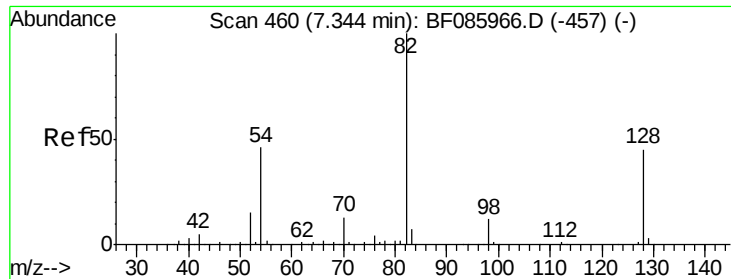
Tgt Ion:	136	Resp:	384557
Ion Ratio		Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.5	7.4	11.0#
68	4.5	5.8	8.8#



#22
Acetophenone
Concen: 49.64 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion:	105	Resp:	448769
Ion Ratio		Lower	Upper
105	100		
71	7.1	3.6	5.4#
51	22.1	25.4	38.0#
120	22.2	16.9	25.3

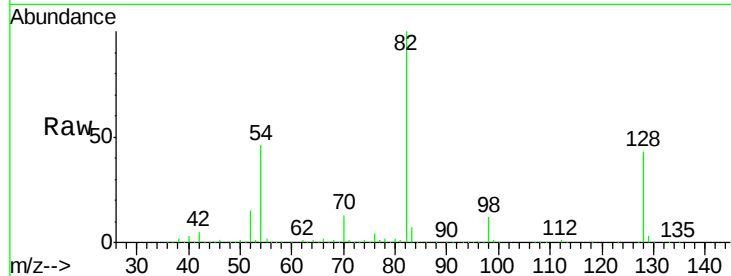




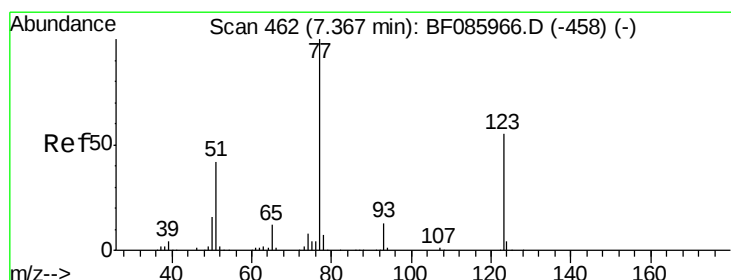
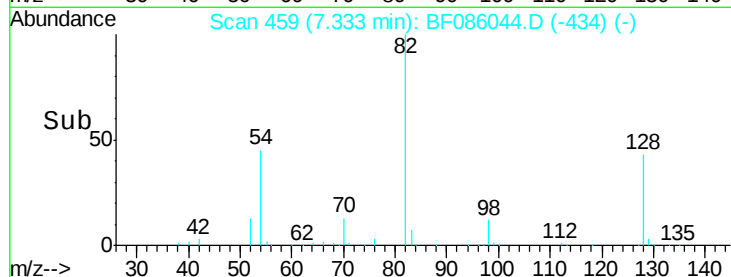
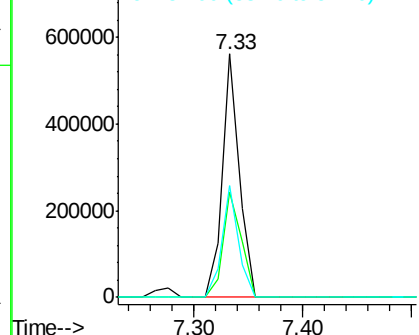
#23
Nitrobenzene-d5
Concen: 94.47 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

Tgt Ion: 82 Resp: 616046
Ion Ratio Lower Upper
82 100
128 43.3 41.8 62.8
54 46.0 33.4 50.0

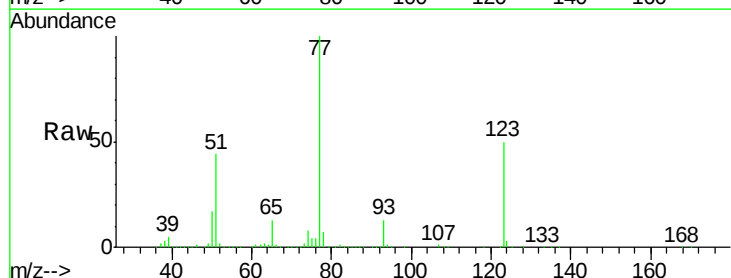


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

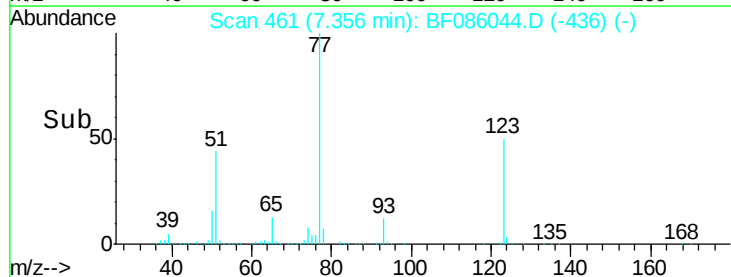
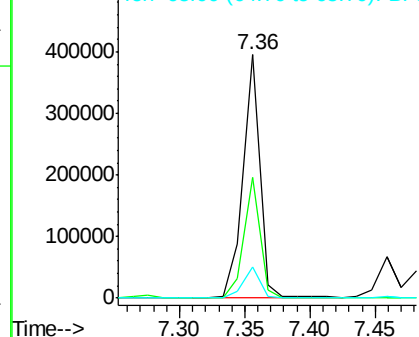


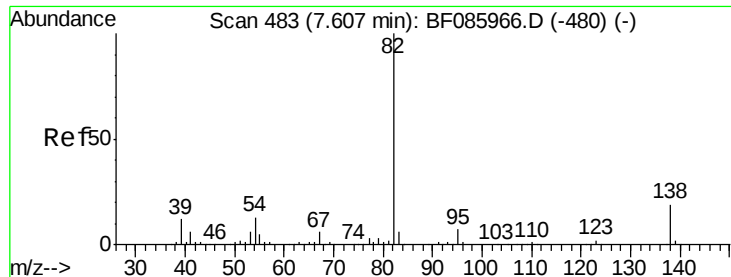
#24
Nitrobenzene
Concen: 49.34 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion: 77 Resp: 351985
Ion Ratio Lower Upper
77 100
123 49.7 35.0 52.4
65 12.7 10.6 16.0



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: 47.25 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

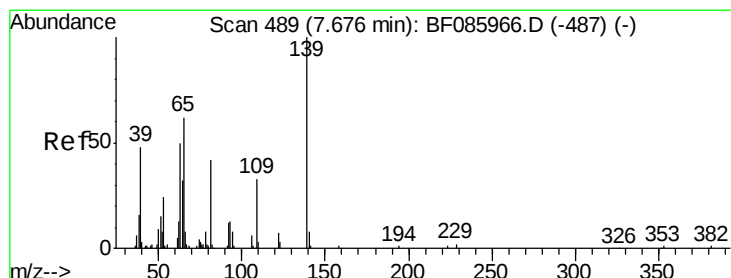
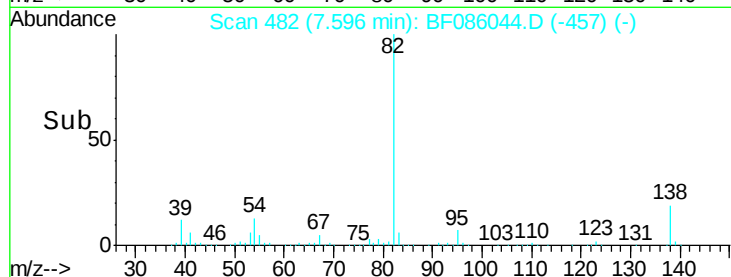
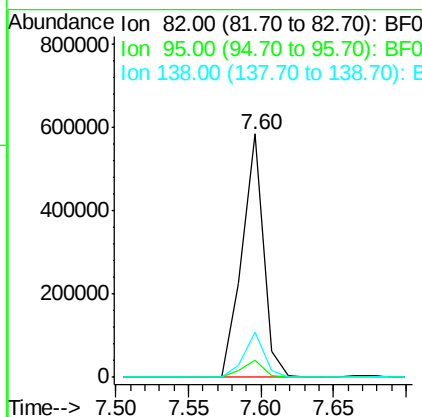
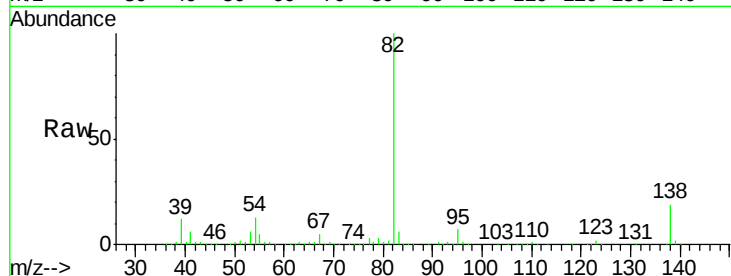
Tgt Ion: 82 Resp: 608230

Ion Ratio Lower Upper

82 100

95 7.2 5.4 8.2

138 18.8 12.9 19.3



#26

2-Nitrophenol

Concen: 47.35 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

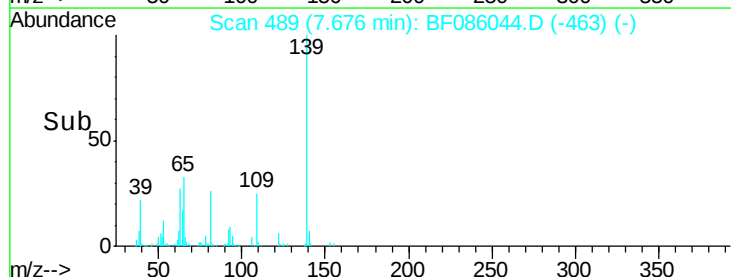
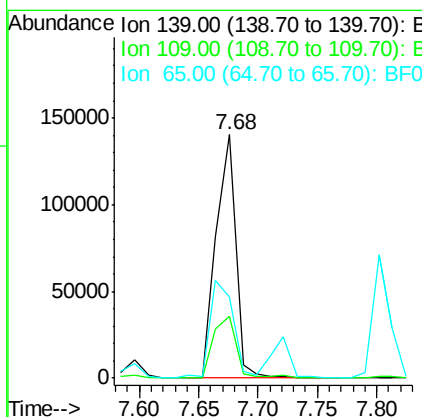
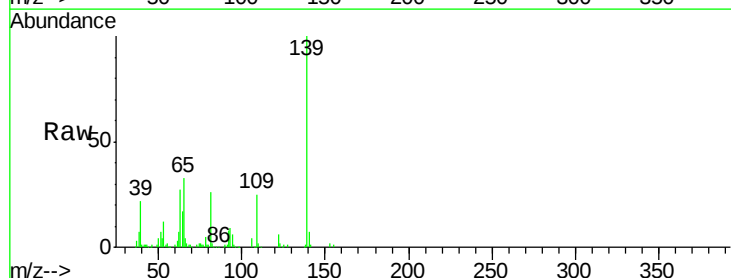
Tgt Ion: 139 Resp: 161606

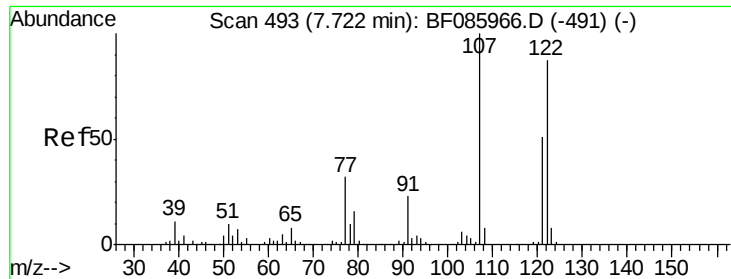
Ion Ratio Lower Upper

139 100

109 25.2 22.1 33.1

65 33.5 33.9 50.9#

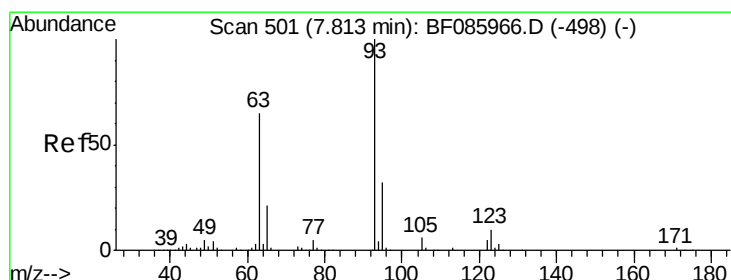
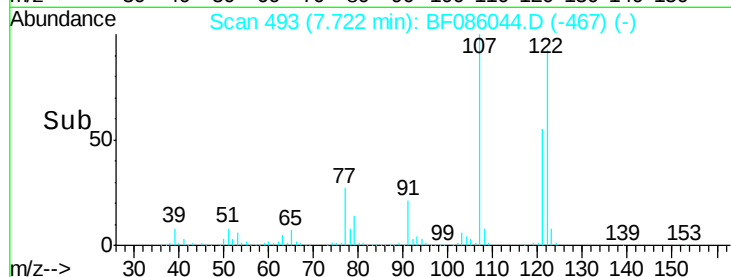
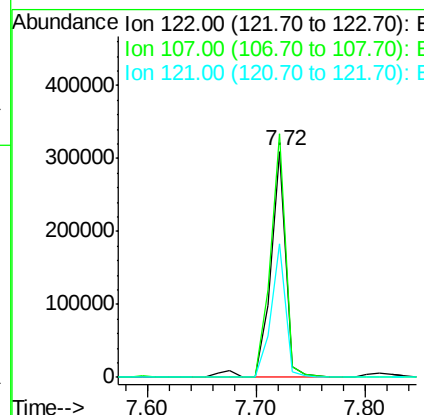
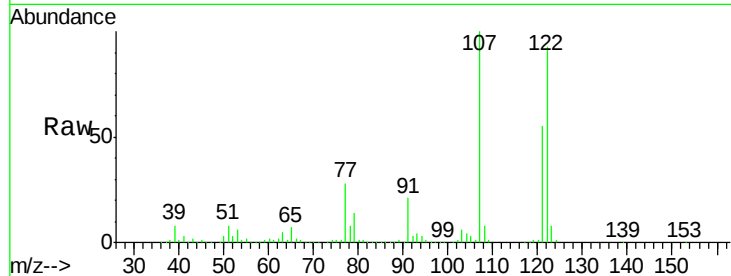




#27
 2,4-Dimethylphenol
 Concen: 49.78 ng
 RT: 7.72 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

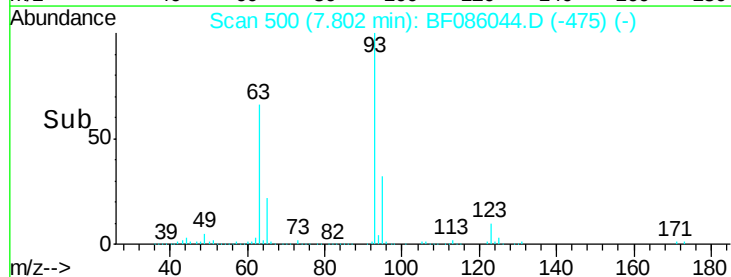
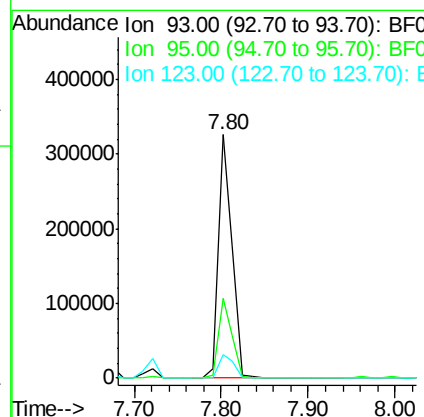
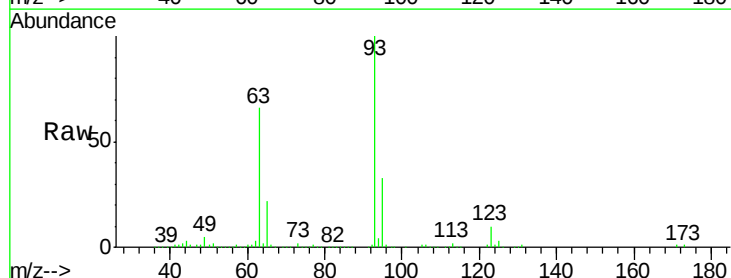
Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

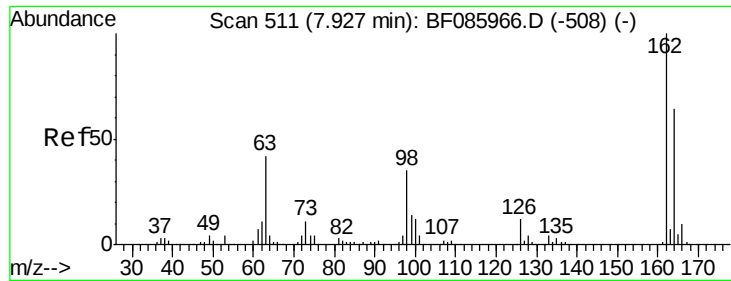
Tgt Ion: 122 Resp: 305153
 Ion Ratio Lower Upper
 122 100
 107 107.9 93.0 139.6
 121 58.9 45.9 68.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.67 ng
 RT: 7.80 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion: 93 Resp: 360029
 Ion Ratio Lower Upper
 93 100
 95 32.5 26.4 39.6
 123 9.7 9.8 14.6#

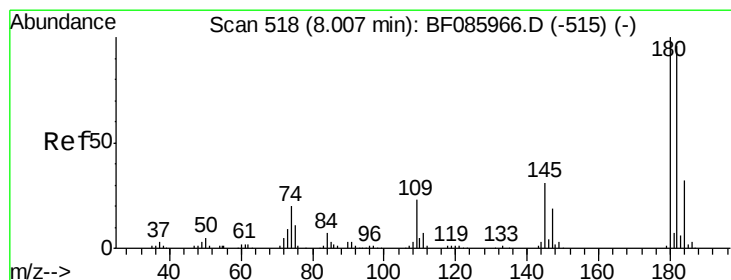
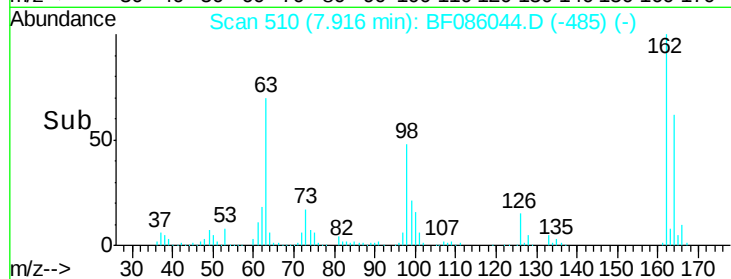
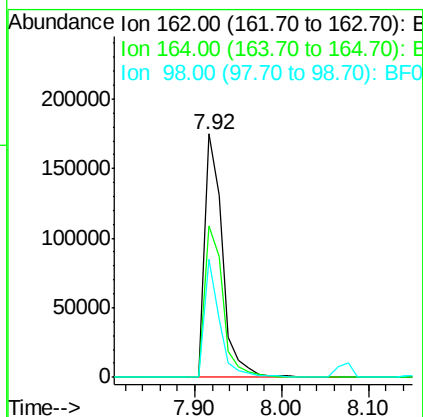
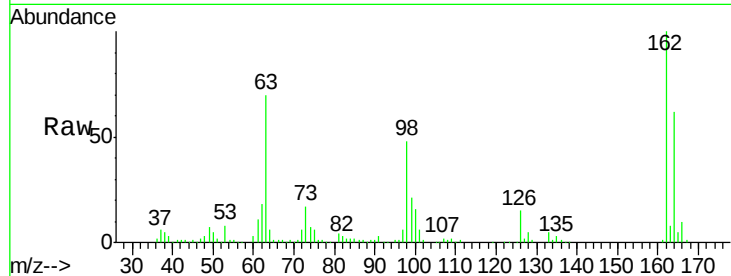




#29
 2,4-Dichlorophenol
 Concen: 47.73 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

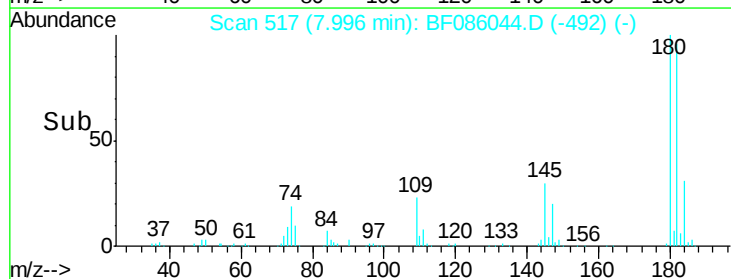
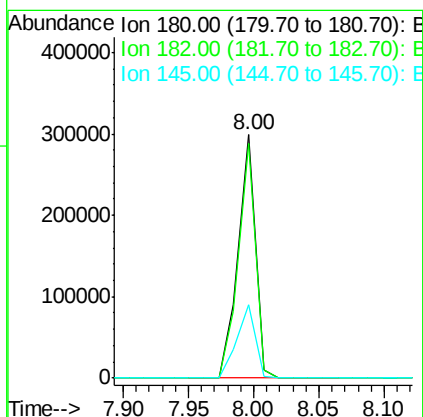
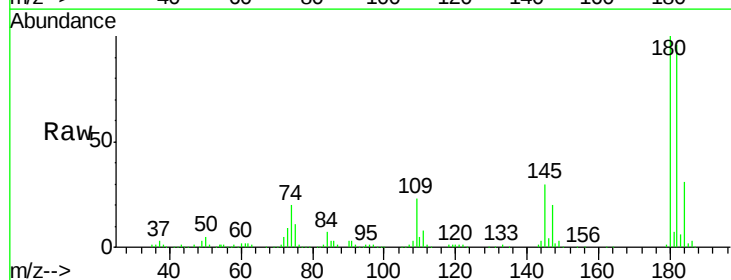
Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:162 Resp: 247396
 Ion Ratio Lower Upper
 162 100
 164 62.3 43.7 83.7
 98 48.5 20.4 60.4



#30
 1,2,4-Trichlorobenzene
 Concen: 47.45 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:180 Resp: 276026
 Ion Ratio Lower Upper
 180 100
 182 96.3 73.8 110.8
 145 30.4 28.4 42.6





#31

Naphthalene

Concen: 48.21 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

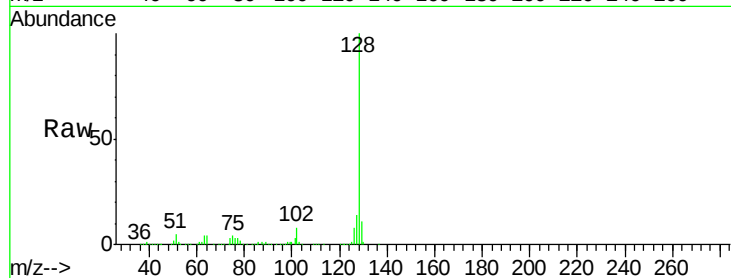
Tgt Ion:128 Resp: 932541

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

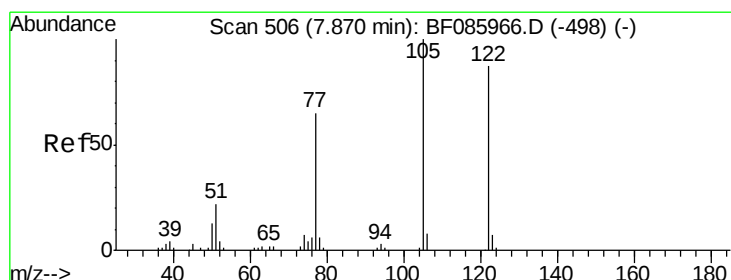
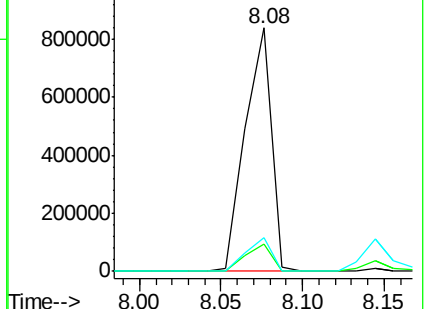
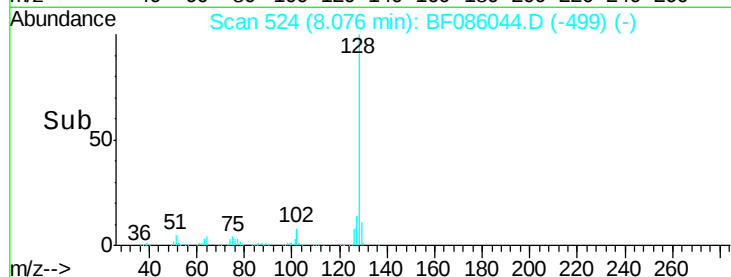
127 13.6 11.0 16.6



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: 2.77 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.06 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

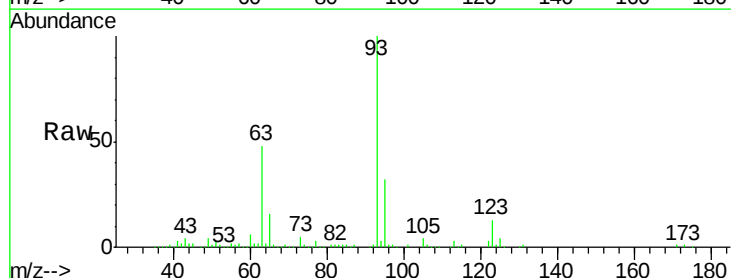
Tgt Ion:122 Resp: 12436

Ion Ratio Lower Upper

122 100

105 115.5 102.9 142.9

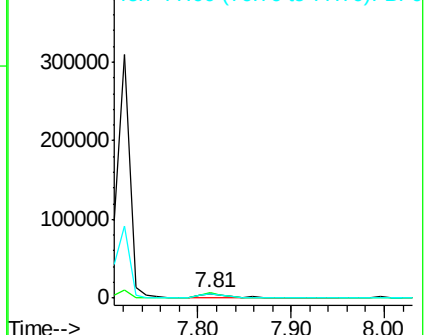
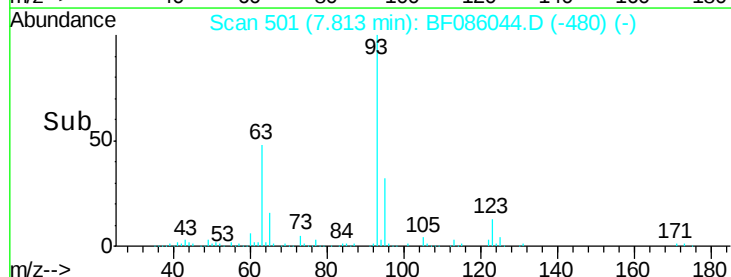
77 94.3 71.8 111.8

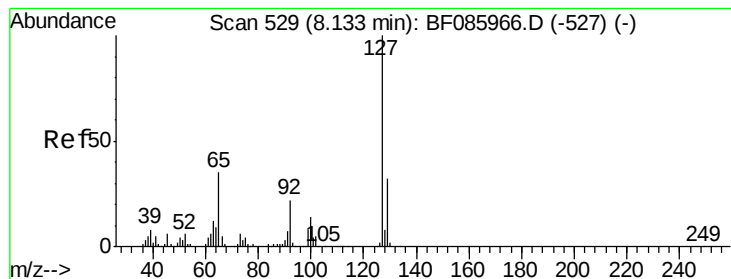


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 19.19 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

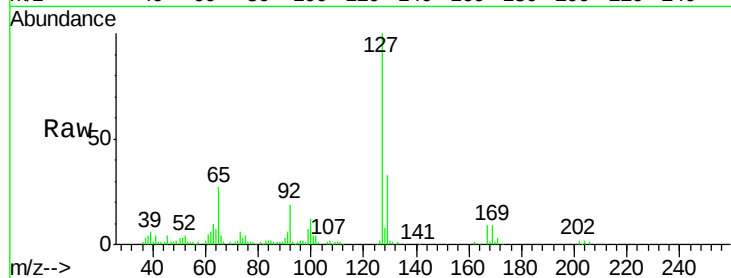
Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

Tgt Ion:	127	Resp:	149956
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	27.2	19.5	29.3
92	18.6	14.6	22.0

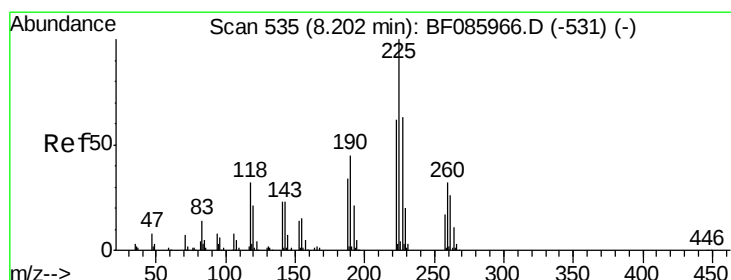
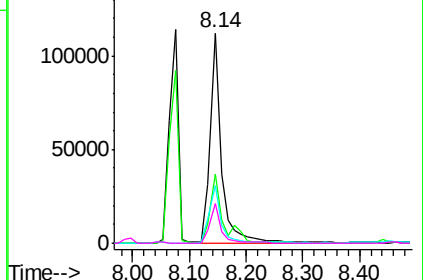
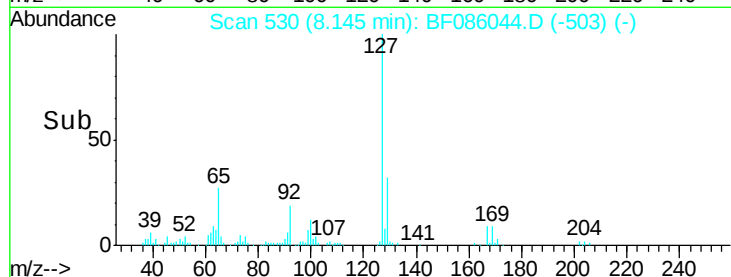


Abundance Ion 127.00 (126.70 to 127.70): E

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: 45.95 ng

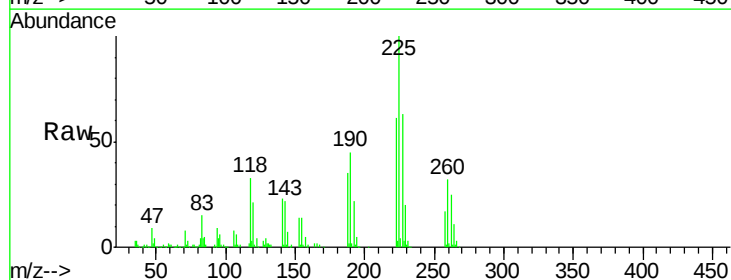
RT: 8.19 min Scan# 534

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

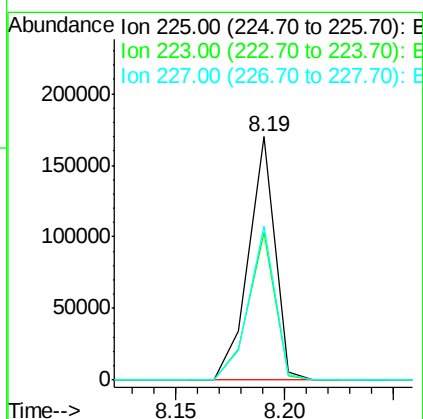
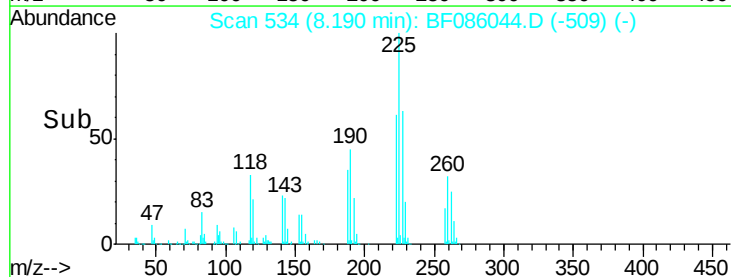
Tgt Ion:	225	Resp:	143718
Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.4	75.6
227	63.0	51.4	77.2



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

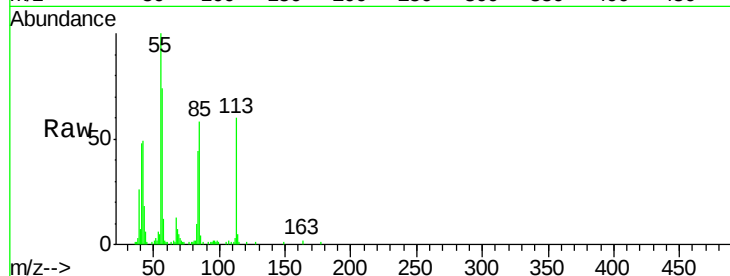




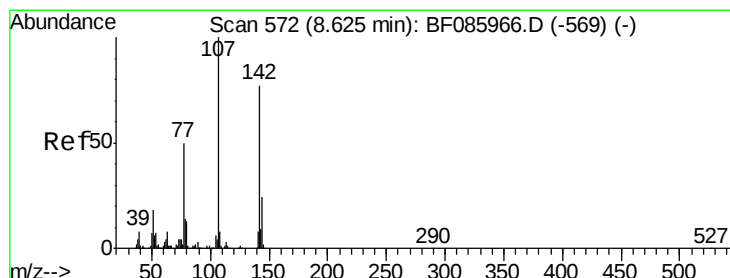
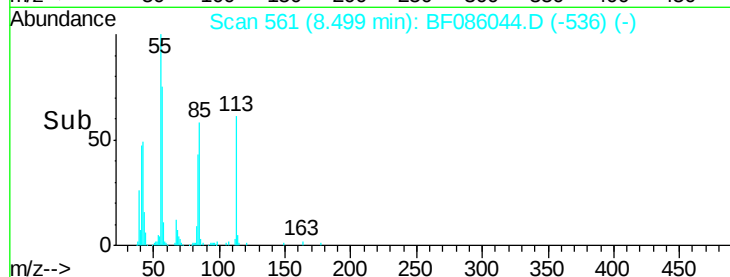
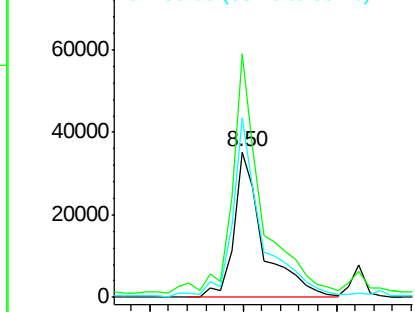
#35
 Caprolactam
 Concen: 47.21 ng
 RT: 8.50 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:113 Resp: 77625
 Ion Ratio Lower Upper
 113 100
 55 167.4 139.4 179.4
 56 123.3 100.4 140.4

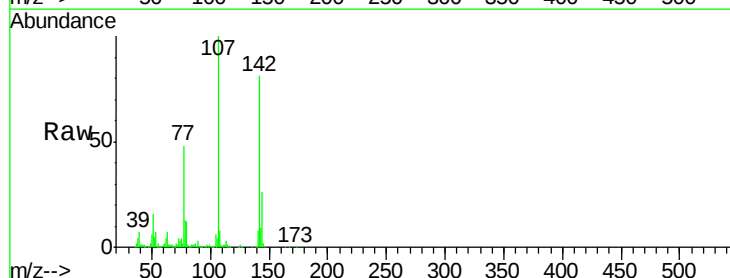


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

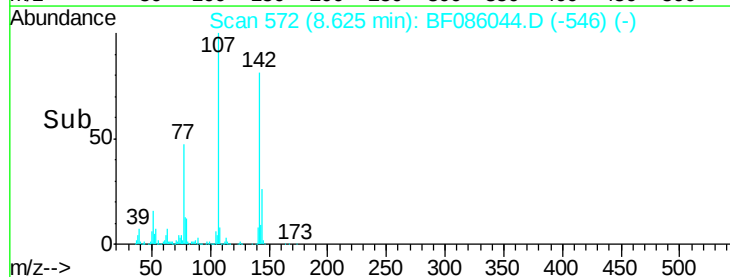
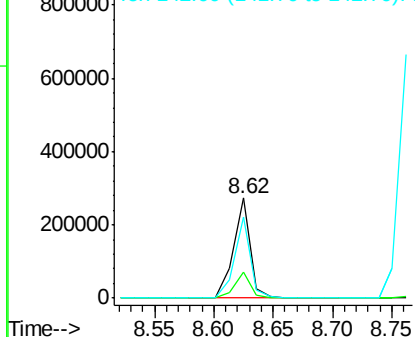


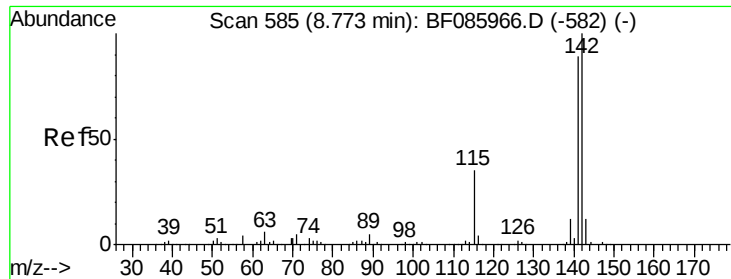
#36
 4-Chloro-3-methylphenol
 Concen: 45.72 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:107 Resp: 266391
 Ion Ratio Lower Upper
 107 100
 144 25.7 19.3 28.9
 142 80.7 61.4 92.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

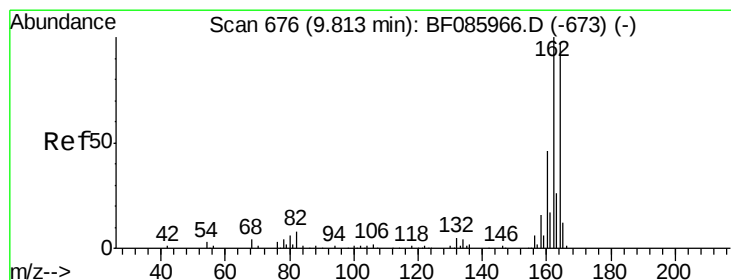
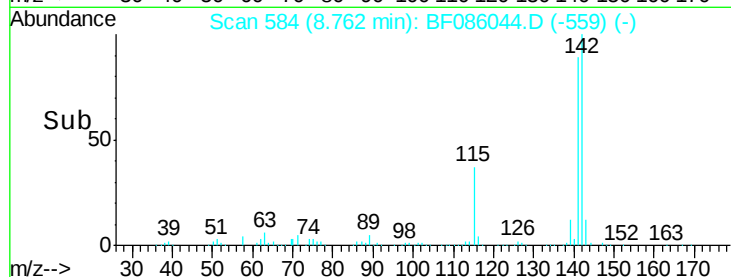
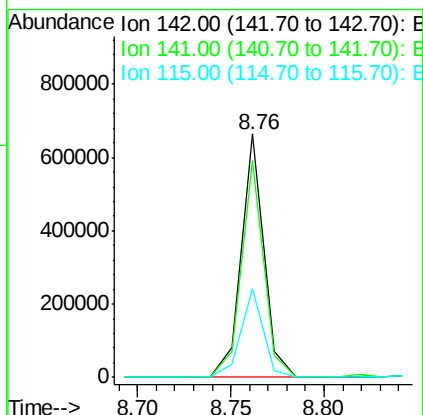
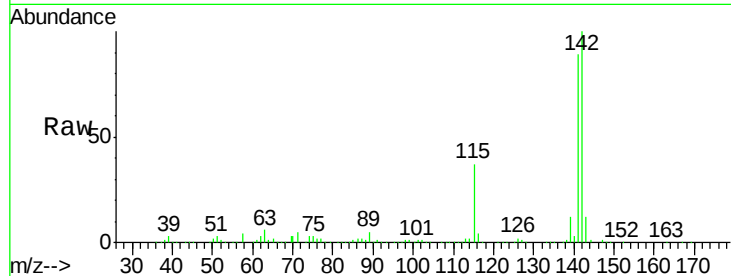




#37
2-Methylnaphthalene
Concen: 44.68 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

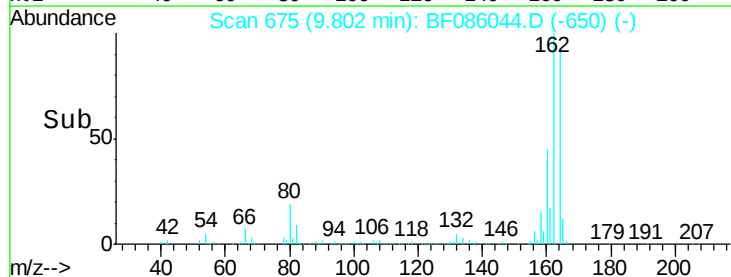
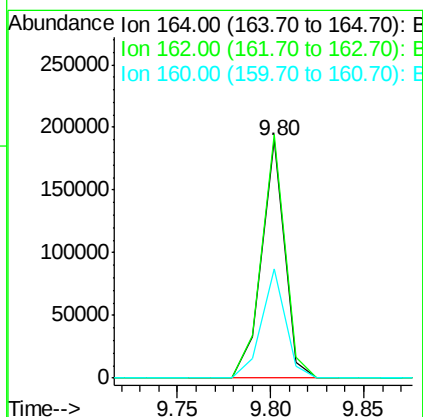
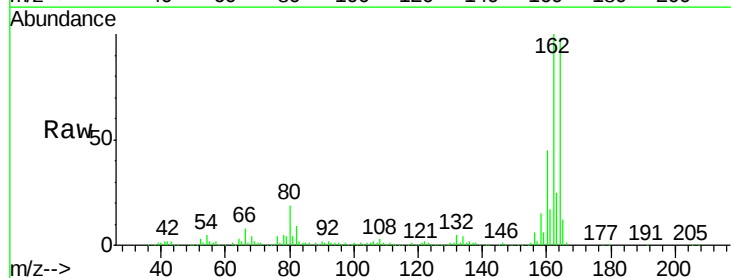
Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

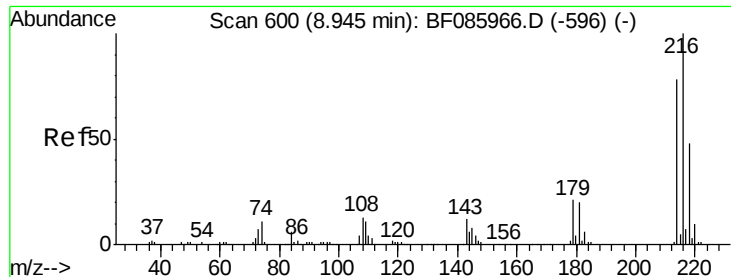
Tgt Ion:142 Resp: 564601
Ion Ratio Lower Upper
142 100
141 88.9 71.6 107.4
115 36.6 26.8 40.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion:164 Resp: 162268
Ion Ratio Lower Upper
164 100
162 102.3 82.1 123.1
160 46.1 37.4 56.2

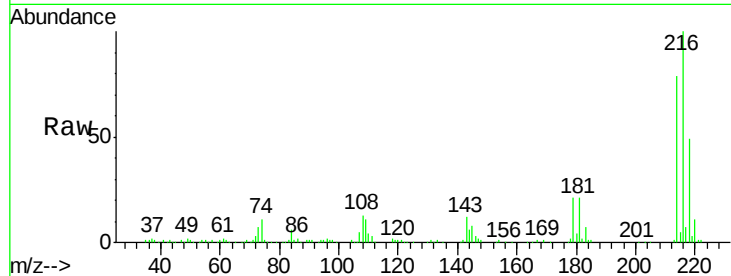




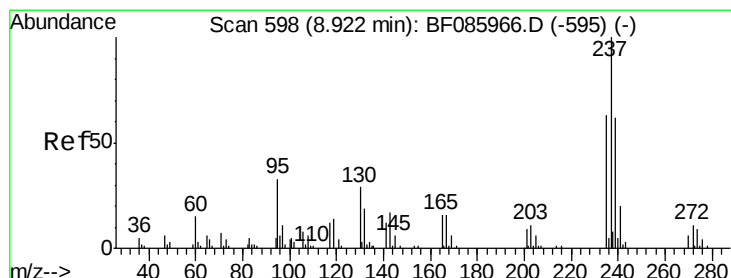
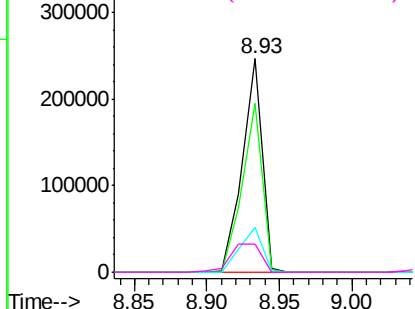
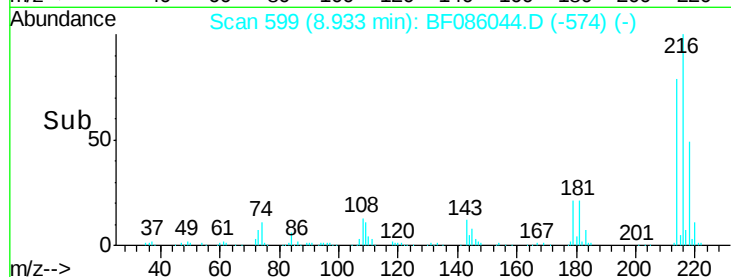
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.22 ng
 RT: 8.93 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:	216	Resp:	235189
Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.1	94.7
179	23.8	18.2	27.2
108	20.9	17.3	25.9

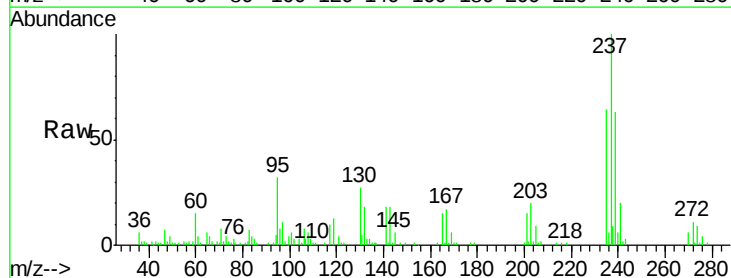


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

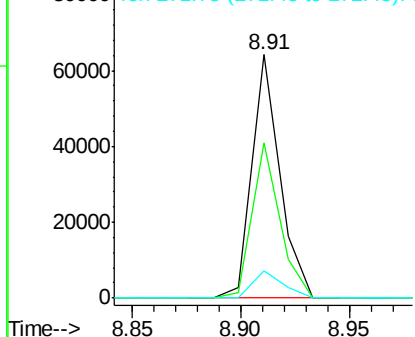
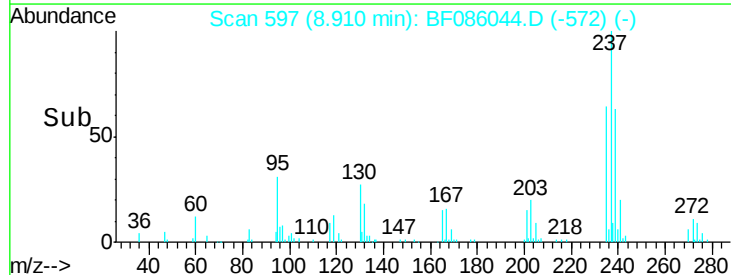


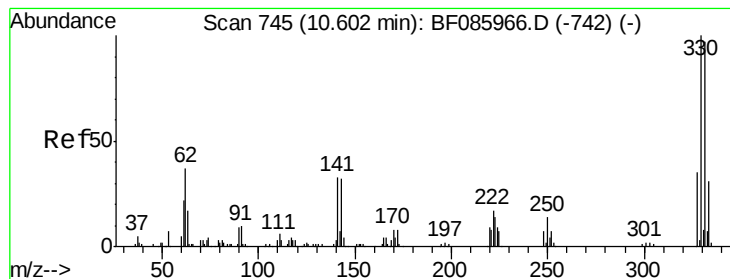
#40
 Hexachlorocyclopentadiene
 Concen: 41.41 ng
 RT: 8.91 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:	237	Resp:	56993
Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.7	83.7
272	11.2	0.0	31.9



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

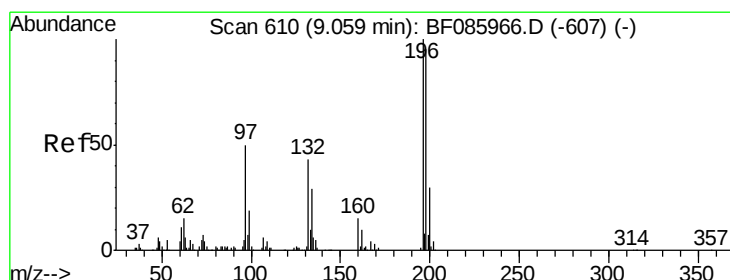
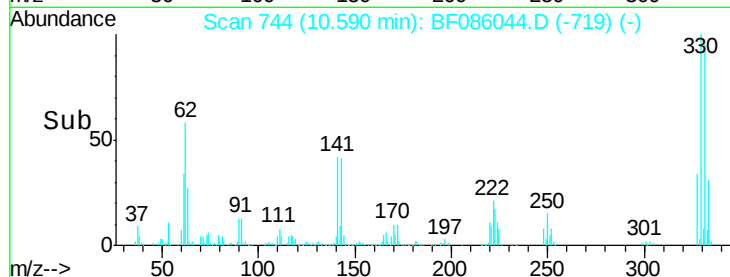
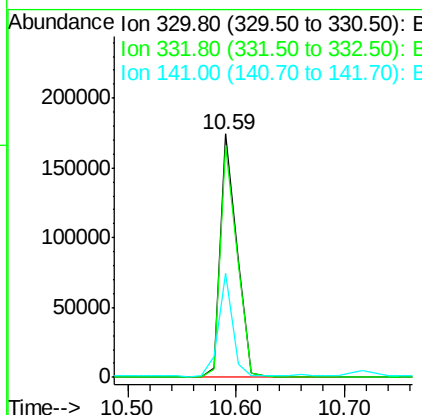
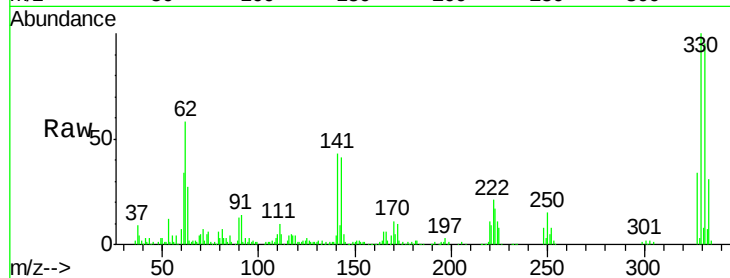




#41
 2,4,6-Tribromophenol
 Concen: 121.66 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

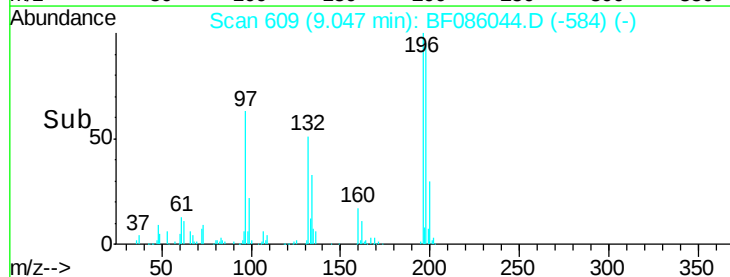
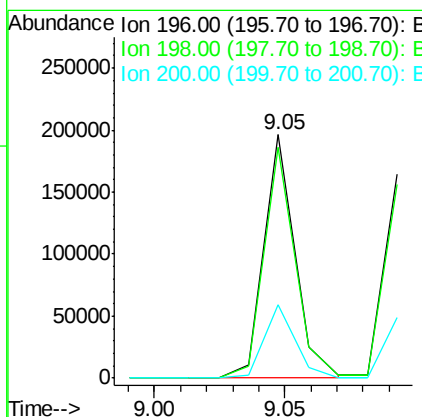
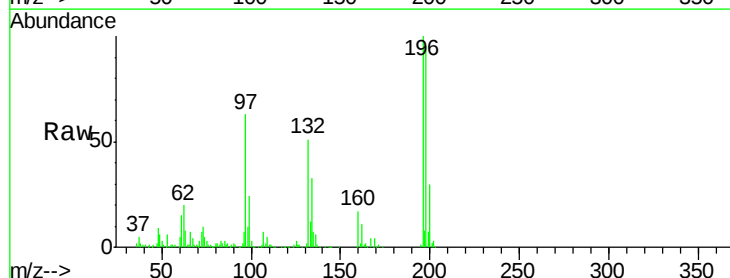
Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:330 Resp: 185296
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.2 117.2
 141 36.7 31.5 47.3



#42
 2,4,6-Trichlorophenol
 Concen: 51.38 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:196 Resp: 160925
 Ion Ratio Lower Upper
 196 100
 198 95.0 75.3 112.9
 200 30.2 23.7 35.5

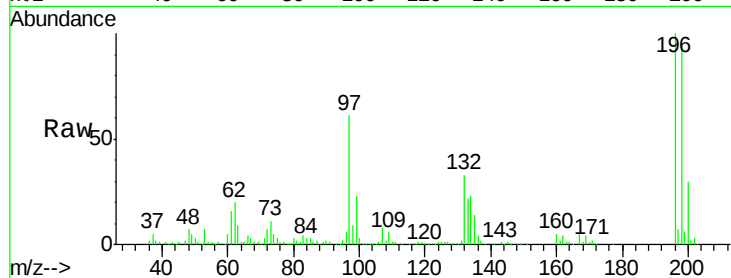




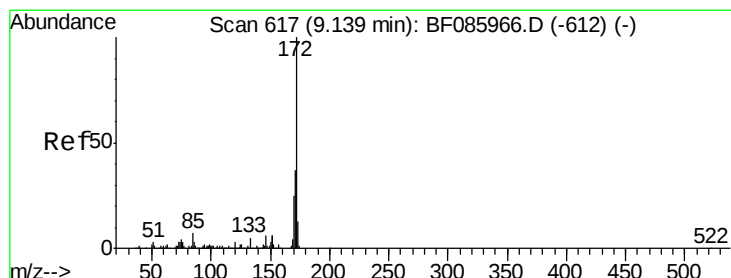
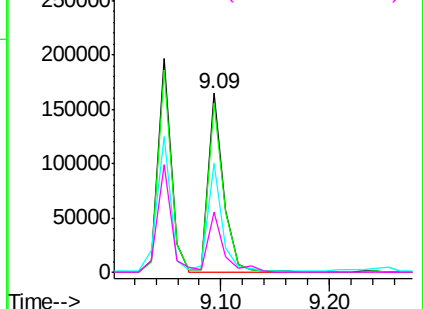
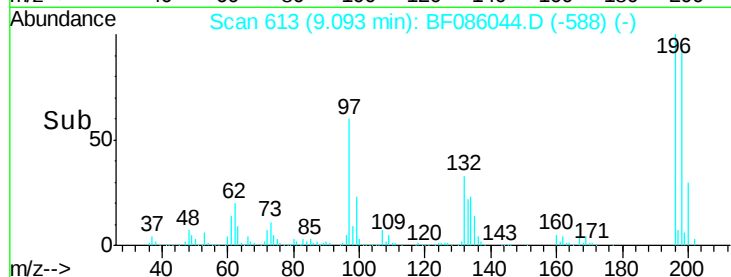
#43
 2,4,5-Trichlorophenol
 Concen: 51.05 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:196 Resp: 162331
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.6 114.8
 97 60.7 30.5 45.7#
 132 33.5 20.2 30.2#

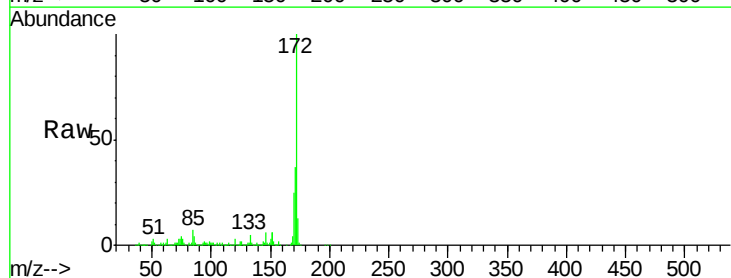


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

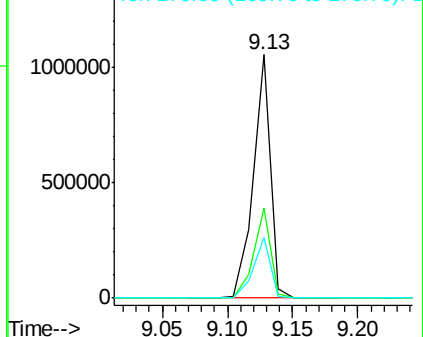
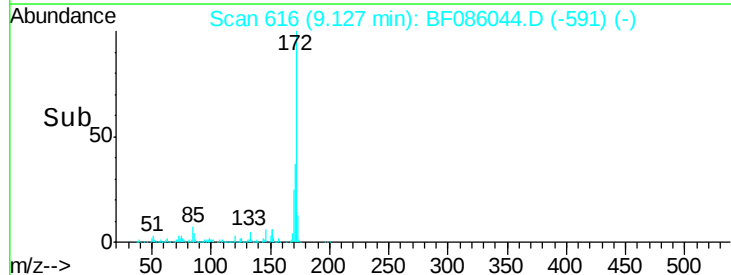


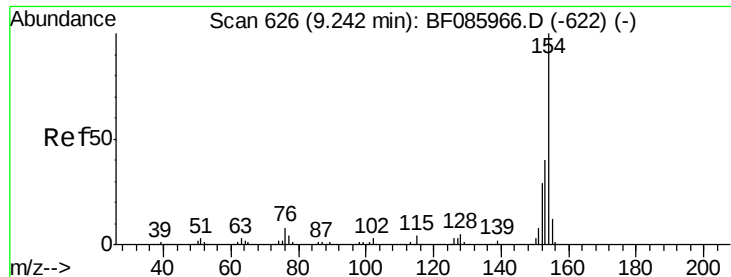
#44
 2-Fluorobiphenyl
 Concen: 97.94 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:172 Resp: 955791
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.2
 170 25.0 19.8 29.6



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

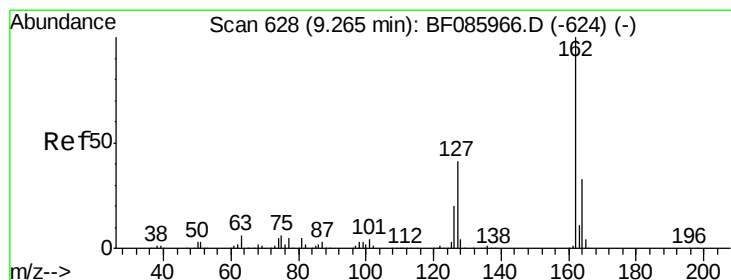
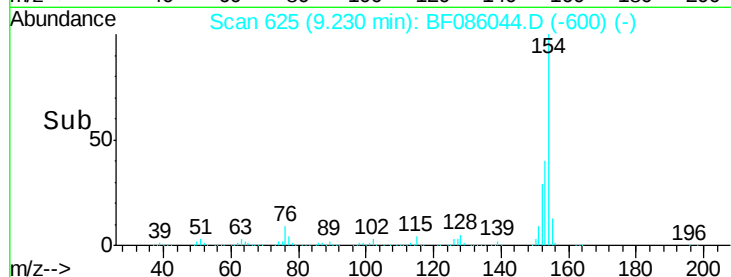
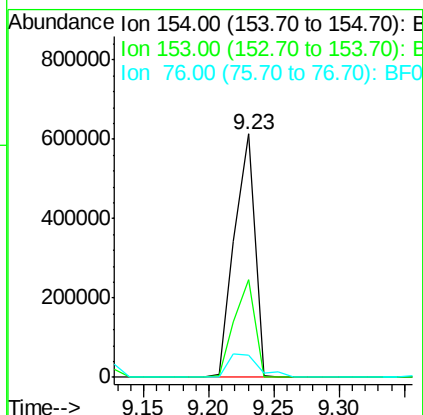
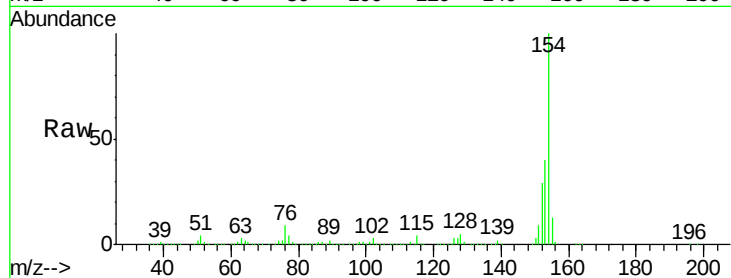




#45
 1,1'-Biphenyl
 Concen: 47.68 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

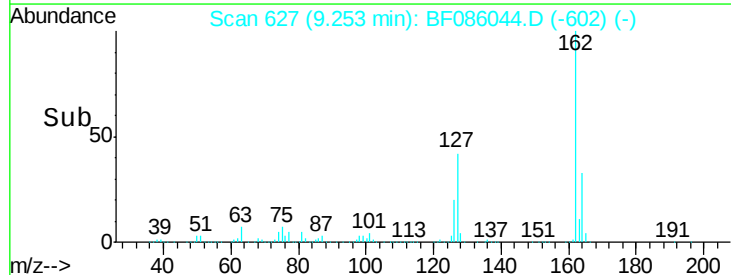
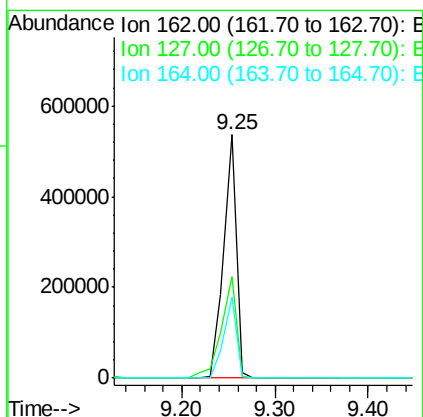
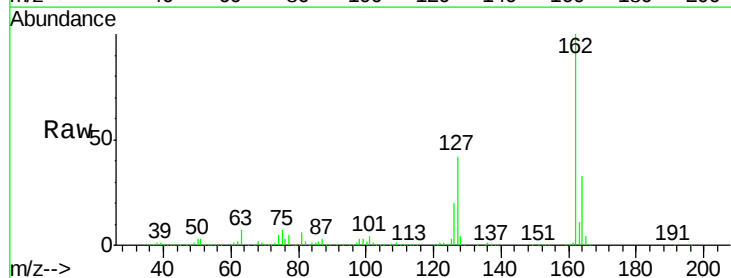
Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

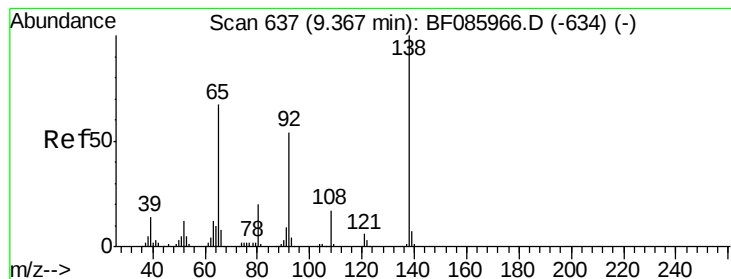
Tgt Ion:154 Resp: 667118
 Ion Ratio Lower Upper
 154 100
 153 40.3 20.8 60.8
 76 9.3 0.0 36.7



#46
 2-Chloronaphthalene
 Concen: 50.00 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:162 Resp: 507146
 Ion Ratio Lower Upper
 162 100
 127 41.8 31.7 47.5
 164 33.3 27.3 40.9





#47

2-Nitroaniline

Concen: 54.30 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

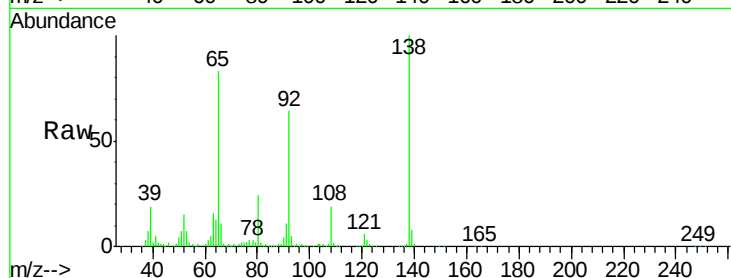
Tgt Ion: 65 Resp: 161125

Ion Ratio Lower Upper

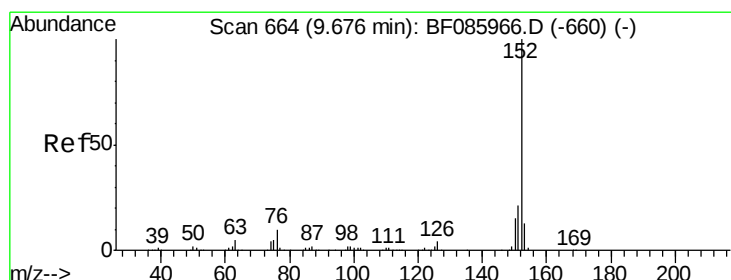
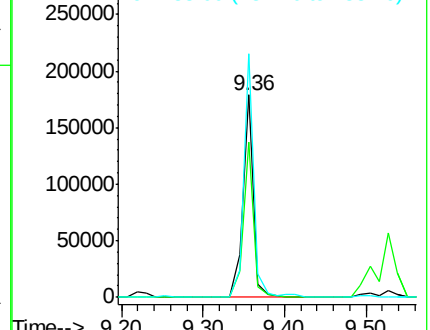
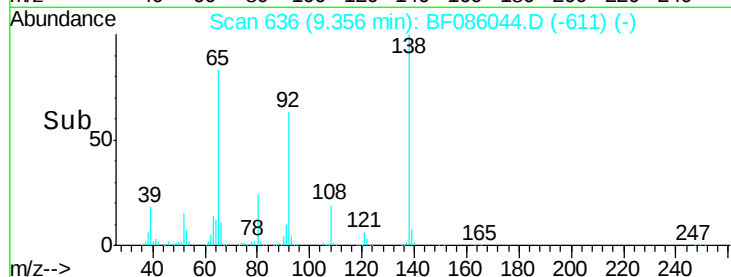
65 100

92 76.6 59.7 89.5

138 120.4 91.4 137.0



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 49.91 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

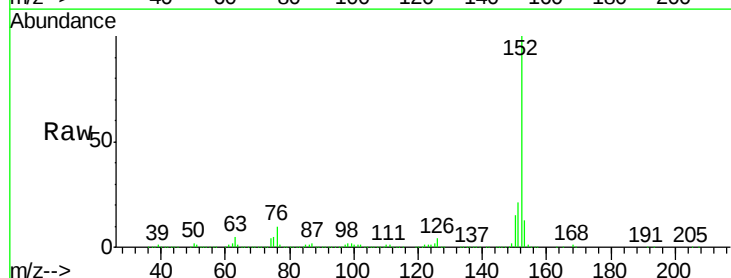
Tgt Ion: 152 Resp: 810915

Ion Ratio Lower Upper

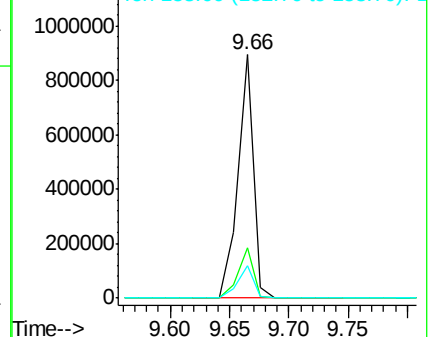
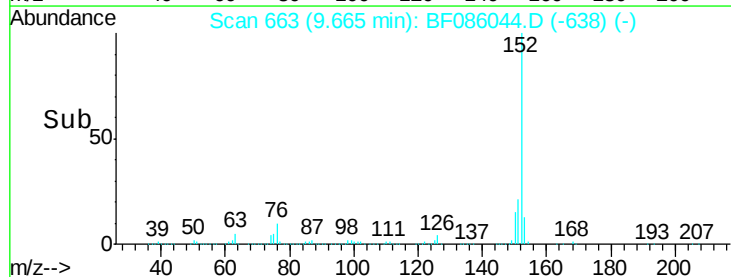
152 100

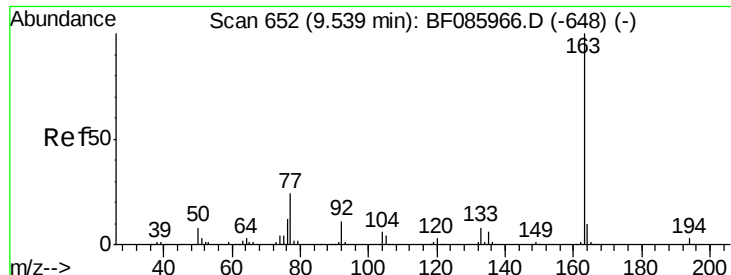
151 20.6 16.8 25.2

153 13.4 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

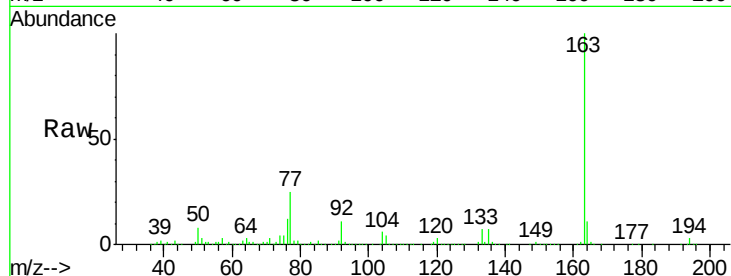




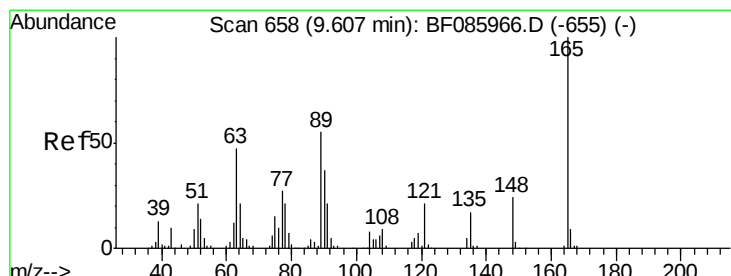
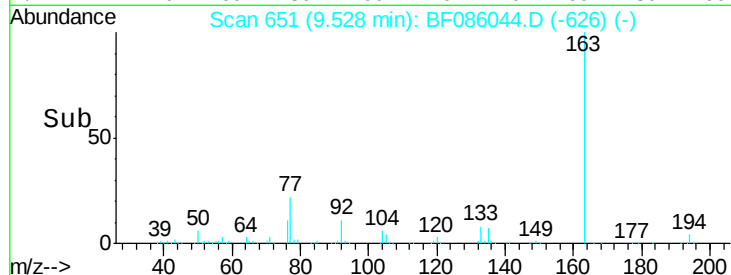
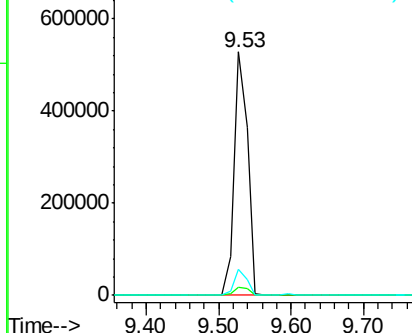
#49
Dimethylphthalate
Concen: 56.13 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

Tgt Ion:163 Resp: 675060
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 10.7 8.3 12.5

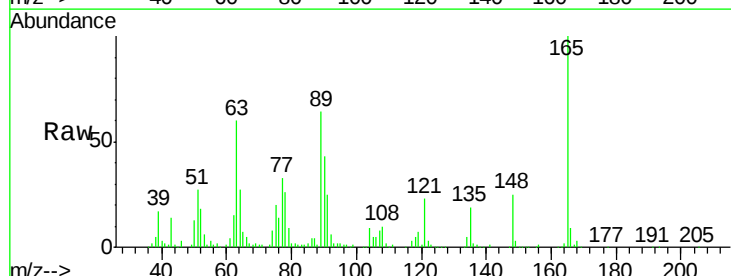


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

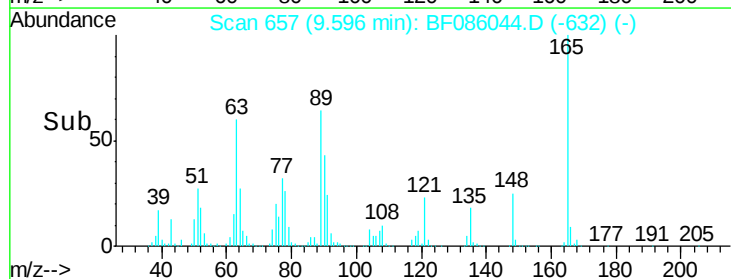
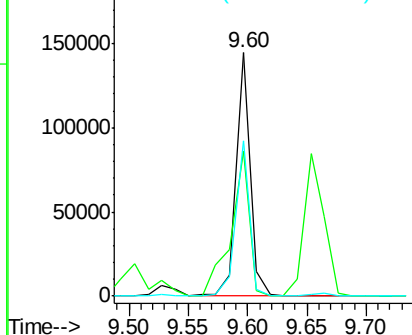


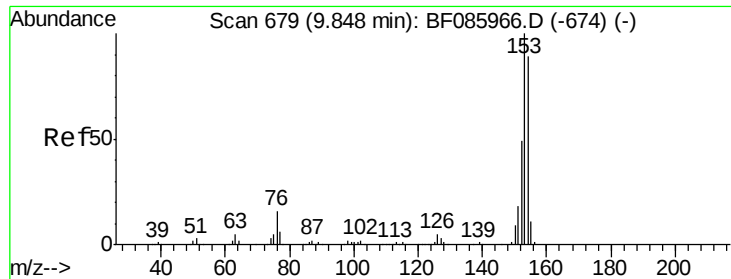
#50
2,6-Dinitrotoluene
Concen: 46.26 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion:165 Resp: 117714
Ion Ratio Lower Upper
165 100
63 59.7 51.8 77.8
89 63.8 53.7 80.5



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: 47.66 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

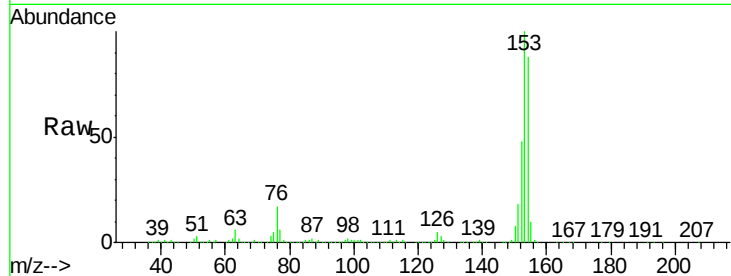
Tgt Ion:154 Resp: 460498

Ion Ratio Lower Upper

154 100

153 114.0 90.1 135.1

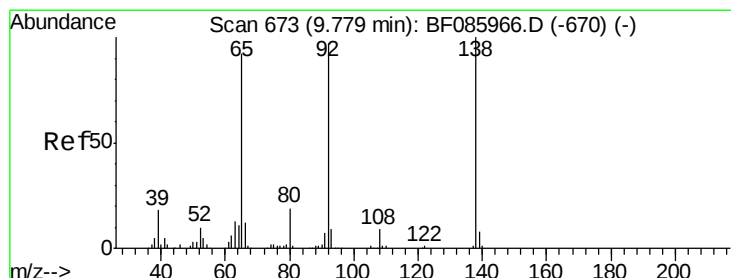
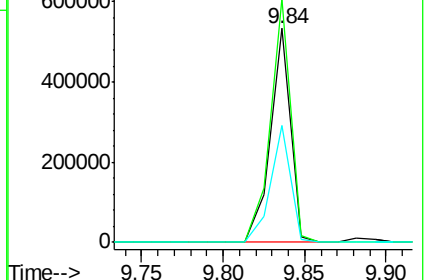
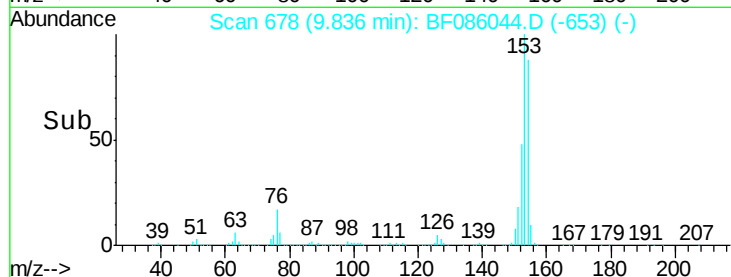
152 54.9 44.2 66.2



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: 34.69 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

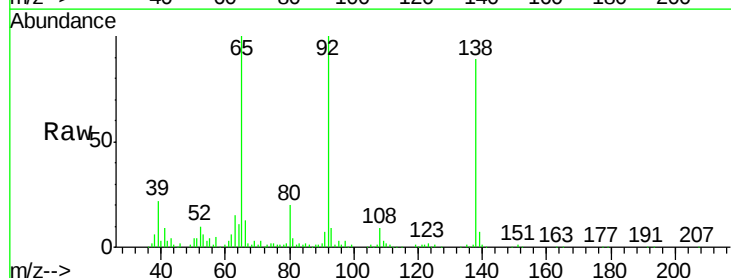
Tgt Ion:138 Resp: 106399

Ion Ratio Lower Upper

138 100

108 10.5 8.7 13.1

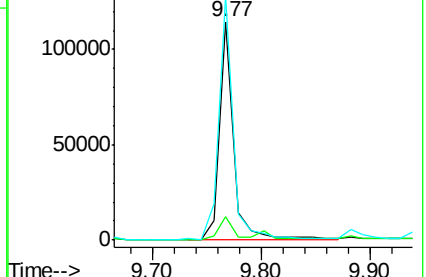
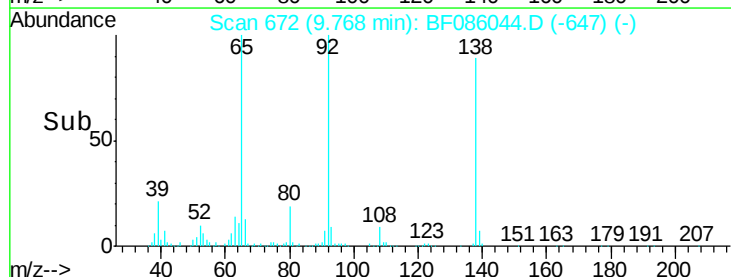
92 111.6 93.3 139.9

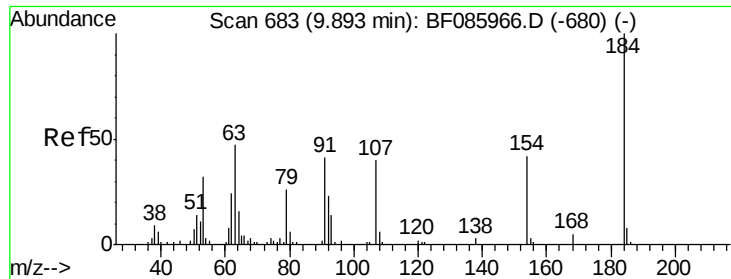


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

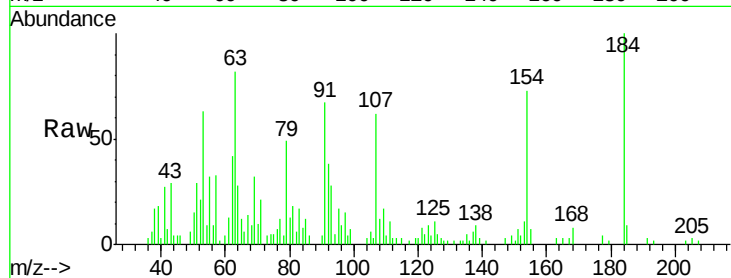




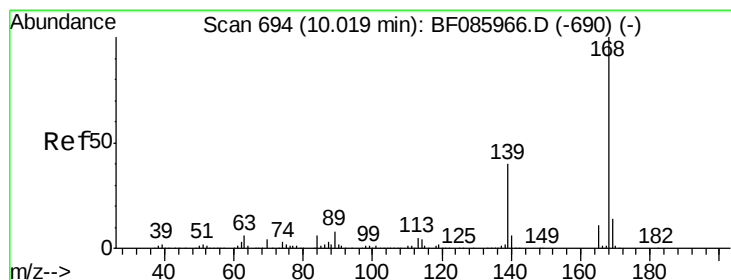
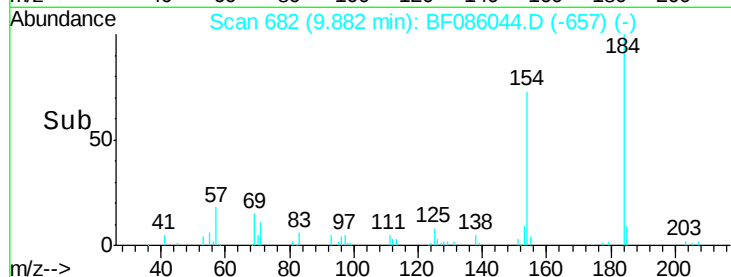
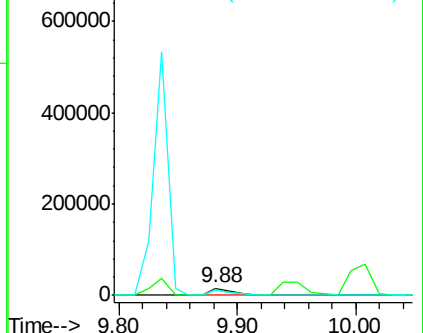
#53
 2,4-Dinitrophenol
 Concen: 23.21 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:184 Resp: 23937
 Ion Ratio Lower Upper
 184 100
 63 81.9 69.5 104.3
 154 72.6 58.3 87.5

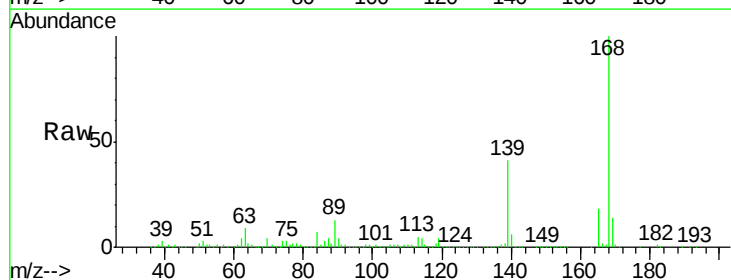


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

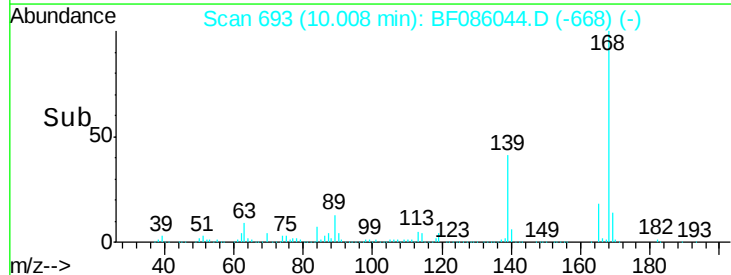
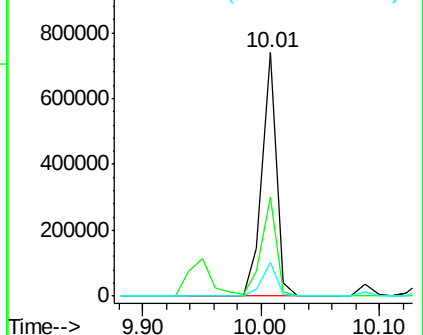


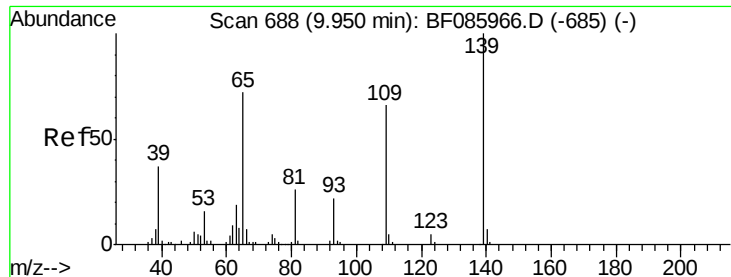
#54
 Dibenzofuran
 Concen: 49.89 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:168 Resp: 636692
 Ion Ratio Lower Upper
 168 100
 139 40.8 31.9 47.9
 169 13.7 11.0 16.6



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

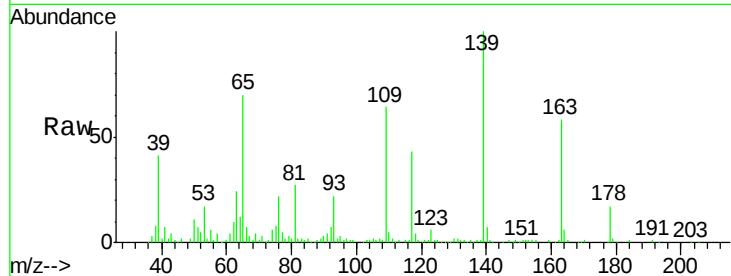




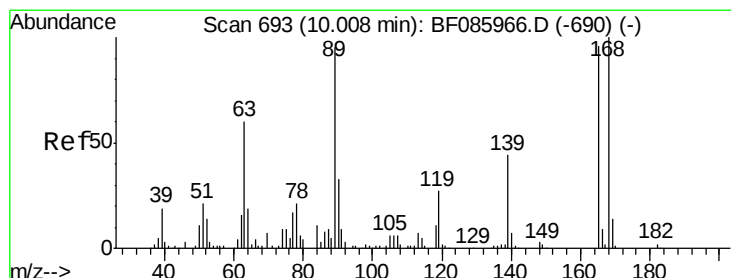
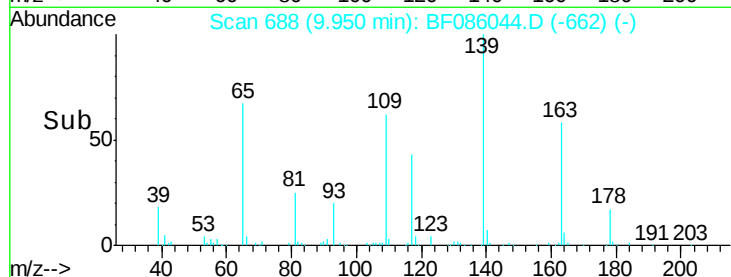
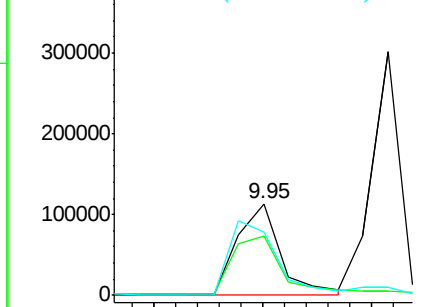
#55
4-Nitrophenol
Concen: 85.69 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

Tgt Ion:139 Resp: 154932
Ion Ratio Lower Upper
139 100
109 64.3 49.2 89.2
65 69.8 66.9 106.9



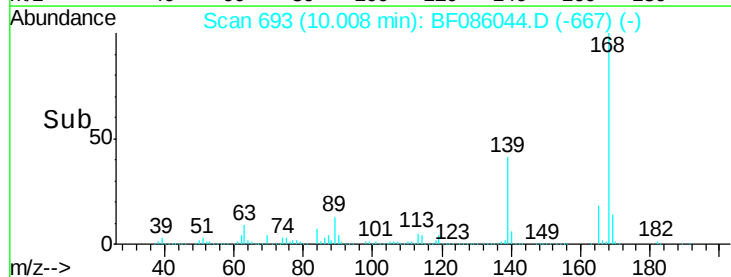
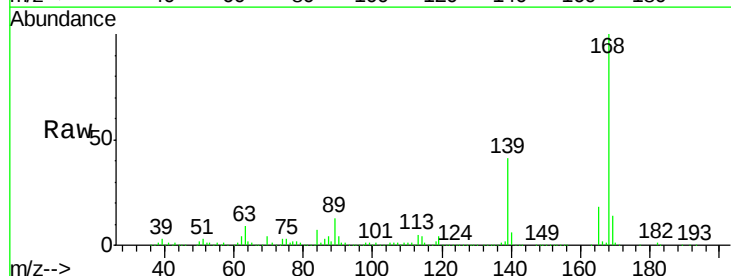
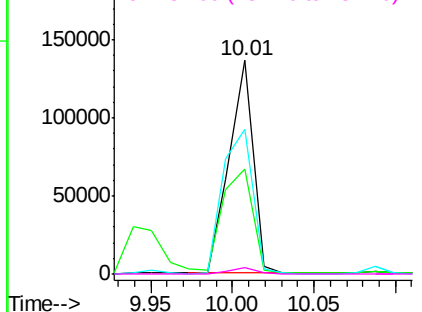
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

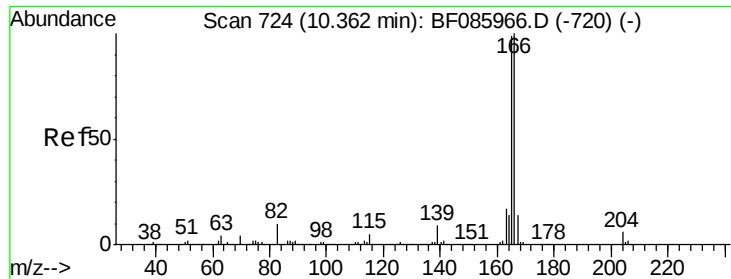


#56
2,4-Dinitrotoluene
Concen: 43.07 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion:165 Resp: 138482
Ion Ratio Lower Upper
165 100
63 48.9 24.9 37.3#
89 68.0 41.0 61.6#
182 2.8 2.1 3.1

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
Ion 182.00 (181.70 to 182.70): E

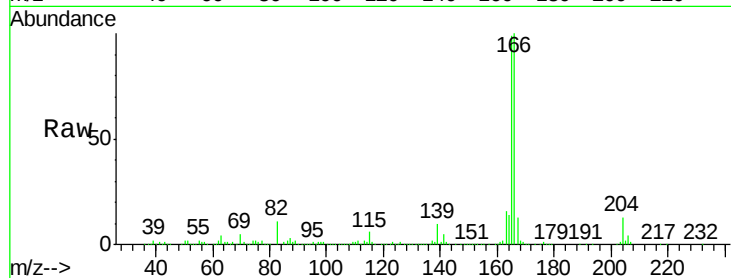




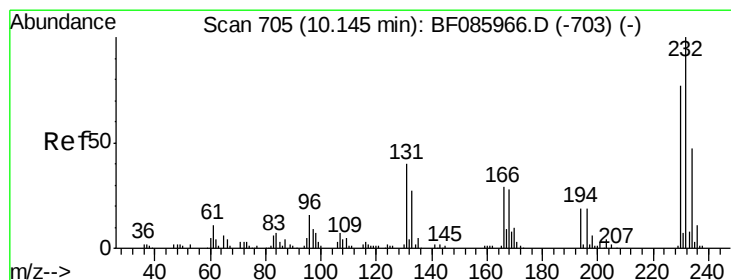
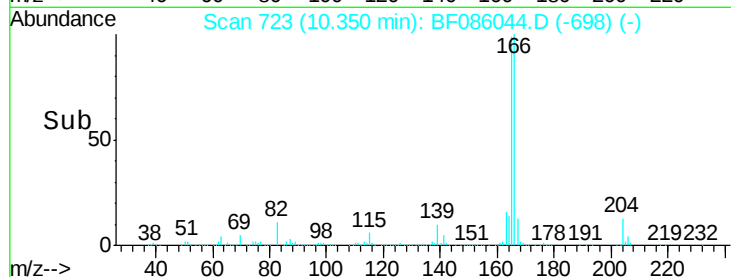
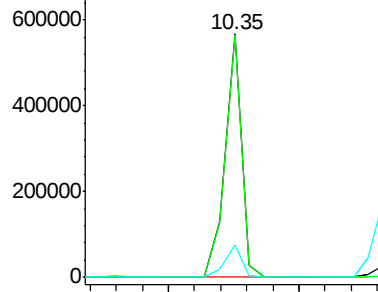
#57
 Fluorene
 Concen: 45.69 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:166 Resp: 498048
 Ion Ratio Lower Upper
 166 100
 165 99.3 79.4 119.0
 167 13.5 11.0 16.4

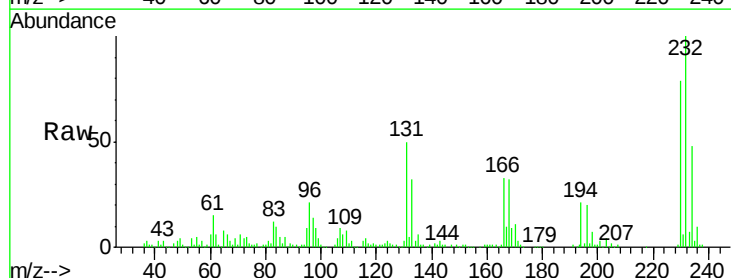


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

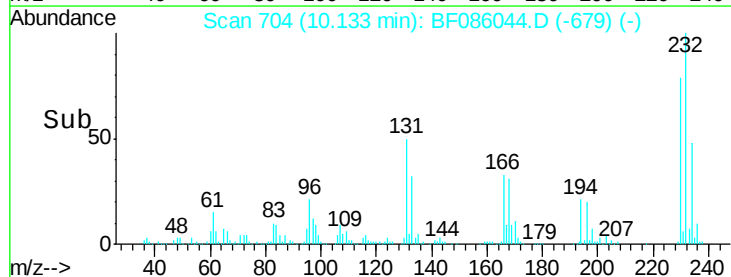
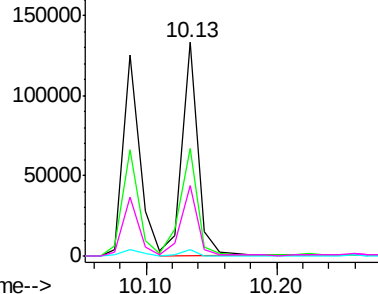


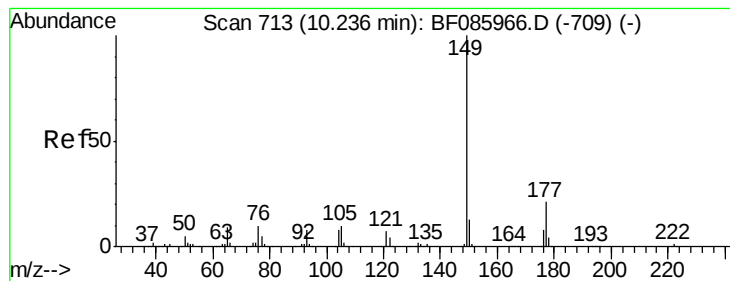
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 48.00 ng
 RT: 10.13 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:232 Resp: 113645
 Ion Ratio Lower Upper
 232 100
 131 54.8 44.9 67.3
 130 3.3 2.3 3.5
 166 34.1 28.1 42.1



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: 43.98 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

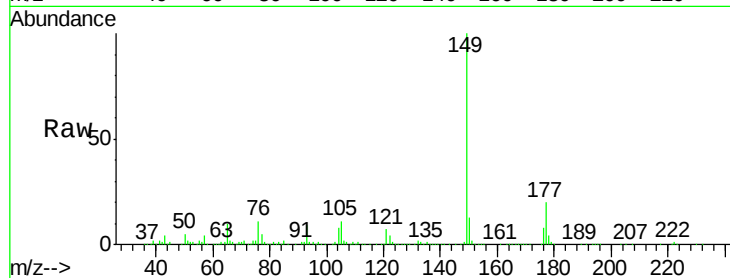
Tgt Ion:149 Resp: 533930

Ion Ratio Lower Upper

149 100

177 20.3 17.9 26.9

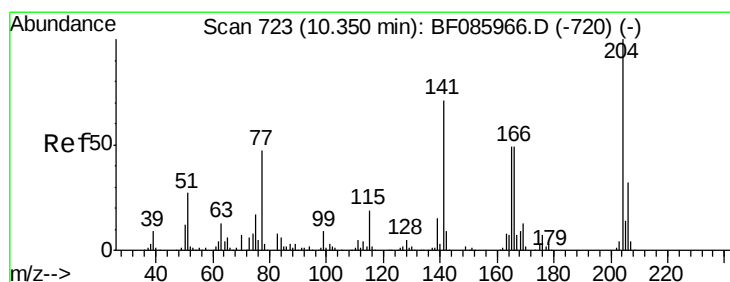
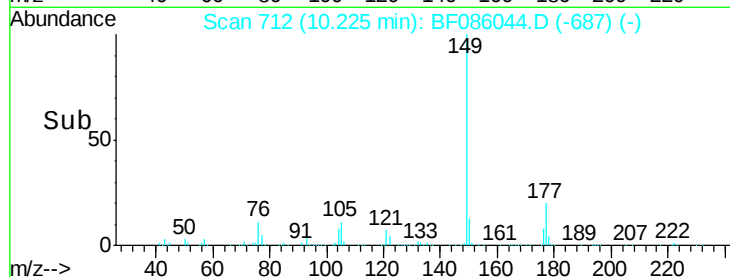
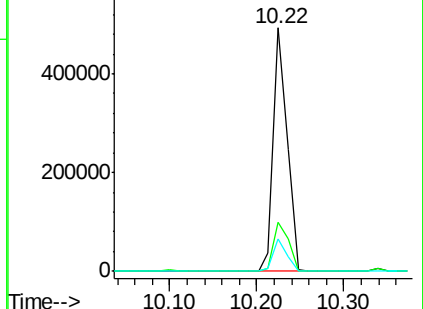
150 13.2 10.2 15.2



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: 42.52 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

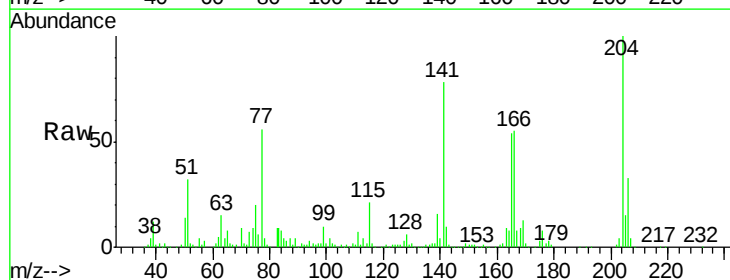
Tgt Ion:204 Resp: 215893

Ion Ratio Lower Upper

204 100

206 32.6 26.6 39.8

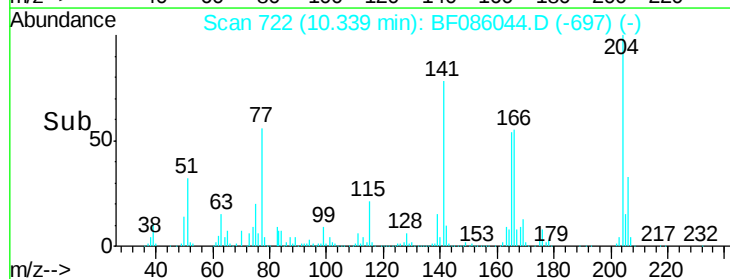
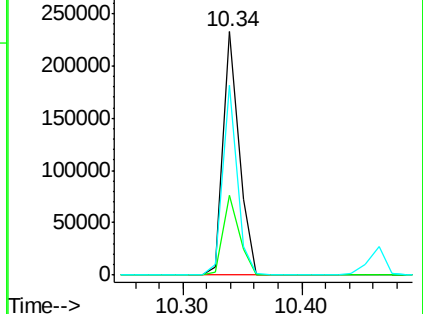
141 78.2 57.4 86.0

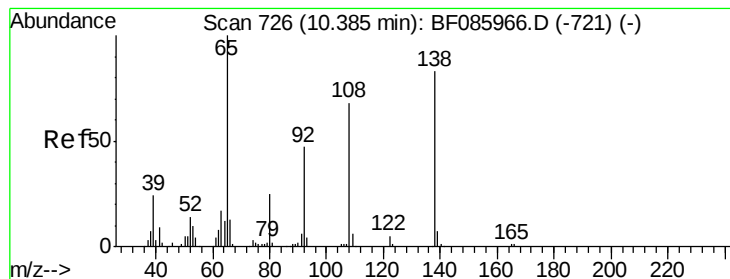


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 37.52 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

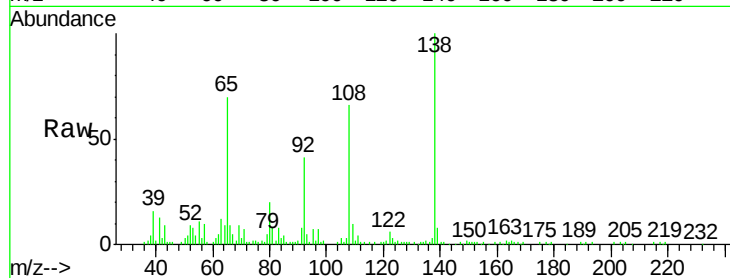
Tgt Ion:138 Resp: 113321

Ion Ratio Lower Upper

138 100

92 40.5 26.4 66.4

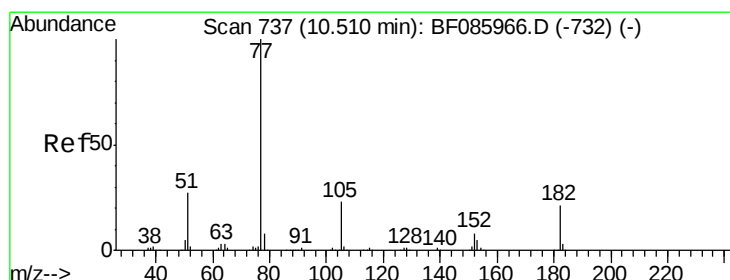
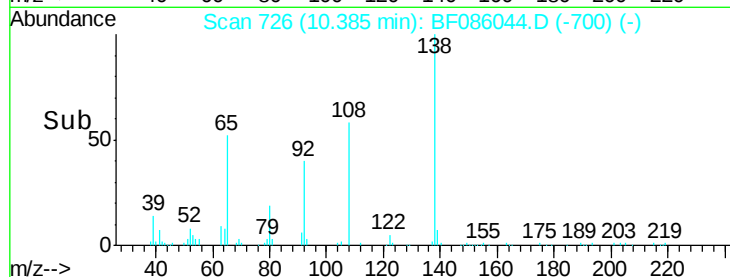
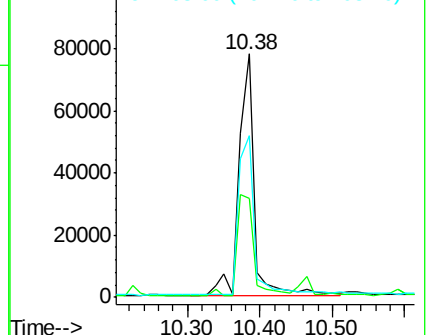
108 66.4 49.0 89.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 47.87 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Tgt Ion: 77 Resp: 556622

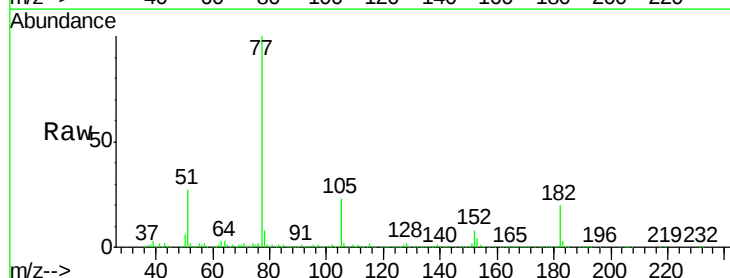
Ion Ratio Lower Upper

77 100

182 20.3 1.9 41.9

105 23.0 3.5 43.5

51 26.7 6.3 46.3

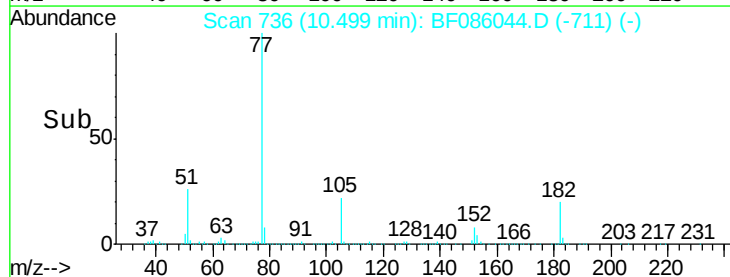
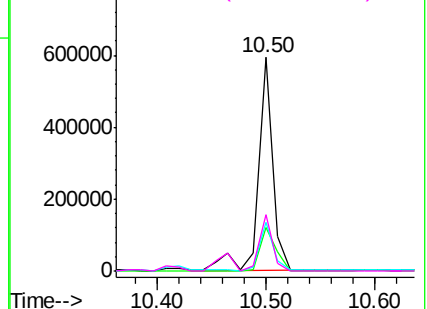


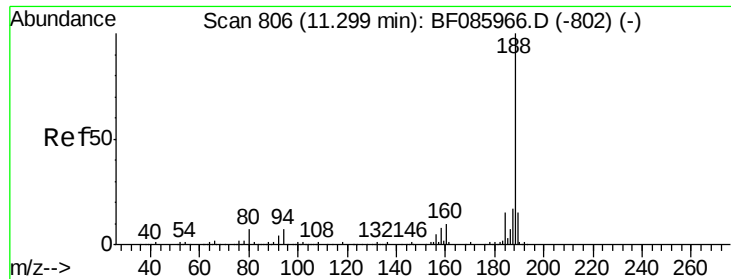
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

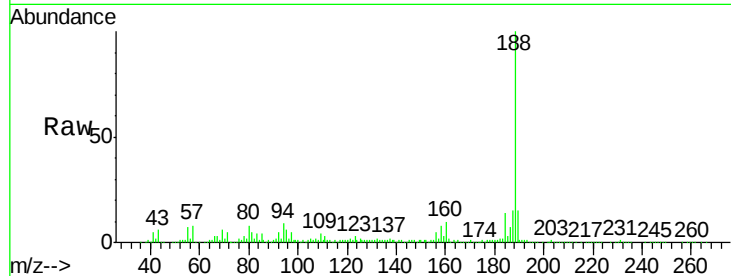
Tgt Ion:188 Resp: 254984

Ion Ratio Lower Upper

188 100

94 8.7 5.4 8.0#

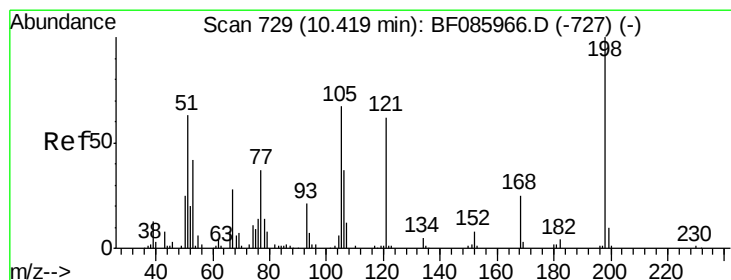
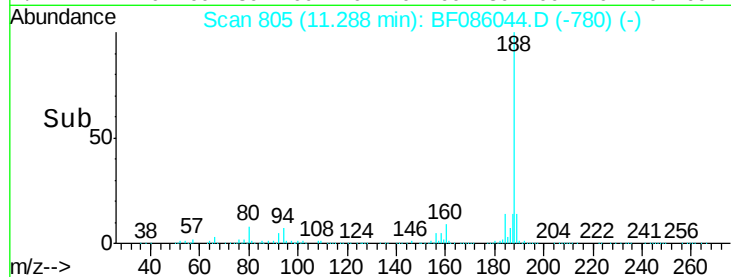
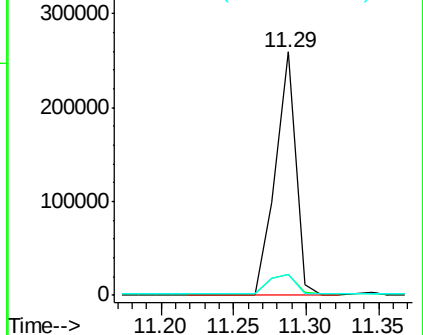
80 8.4 5.5 8.3#



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: 20.03 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

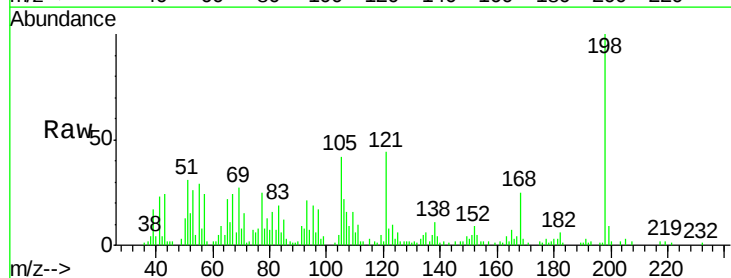
Tgt Ion:198 Resp: 30948

Ion Ratio Lower Upper

198 100

51 31.2 45.4 85.4#

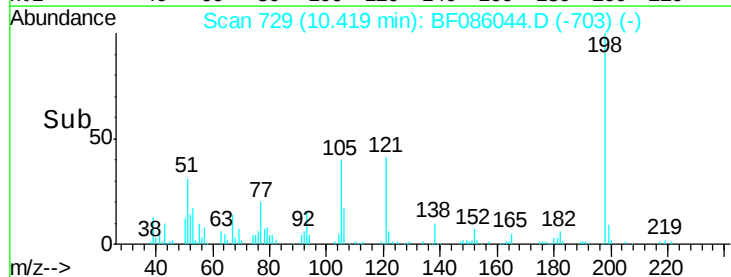
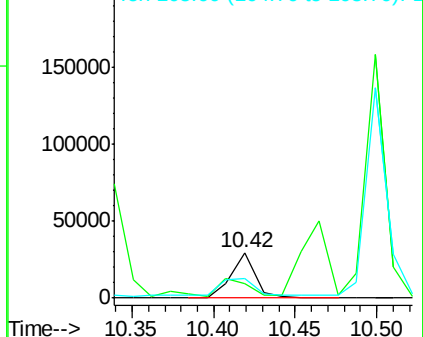
105 42.4 45.9 85.9#

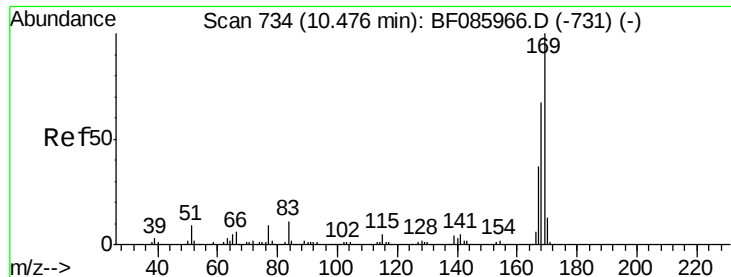


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 55.31 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

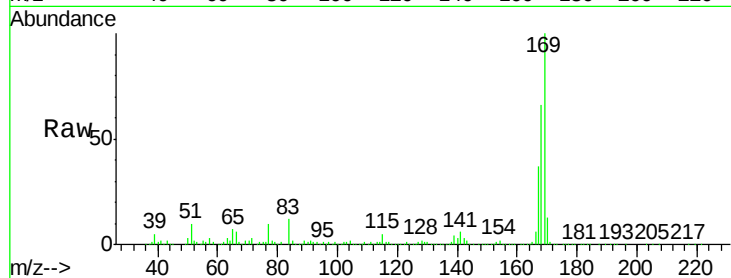
Tgt Ion:169 Resp: 441028

Ion Ratio Lower Upper

169 100

168 66.2 54.4 81.6

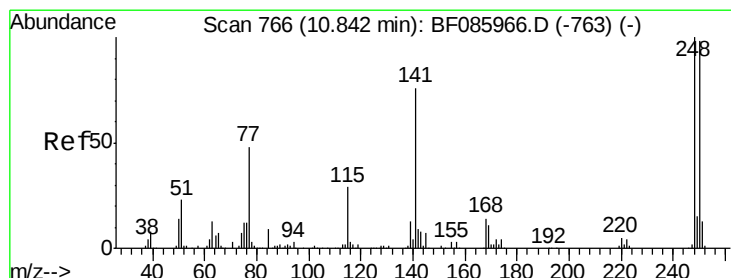
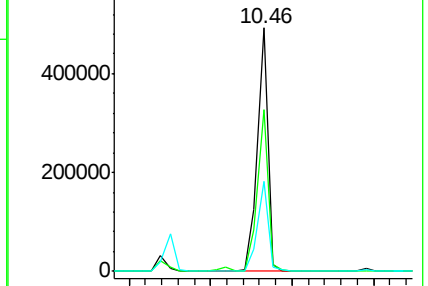
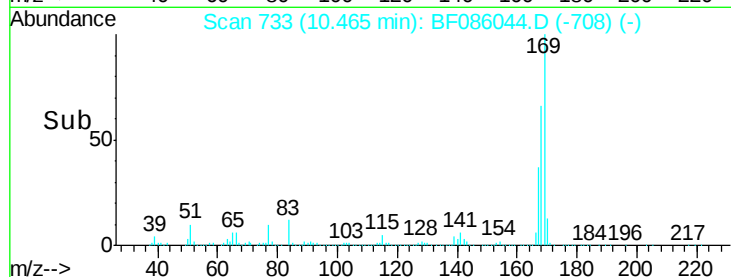
167 37.0 29.4 44.0



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: 53.56 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

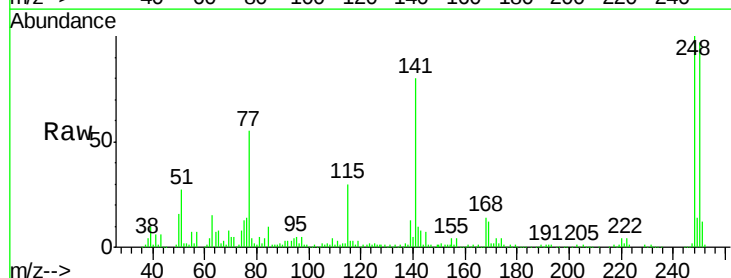
Tgt Ion:248 Resp: 139439

Ion Ratio Lower Upper

248 100

250 96.5 77.4 116.0

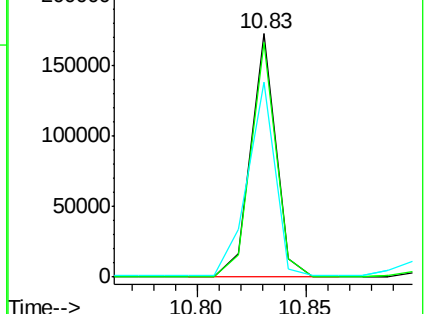
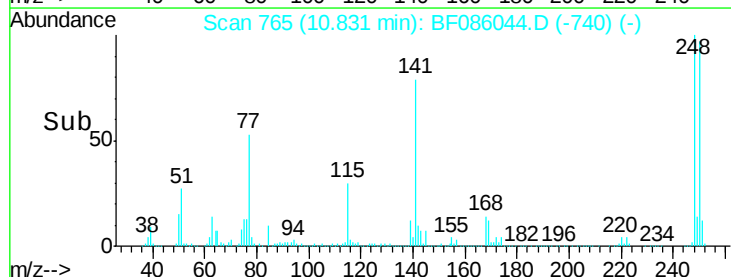
141 80.0 63.6 95.4

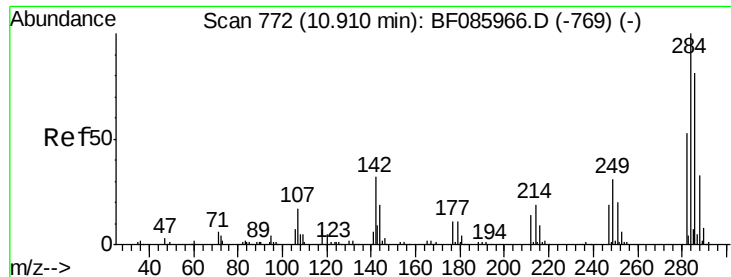


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

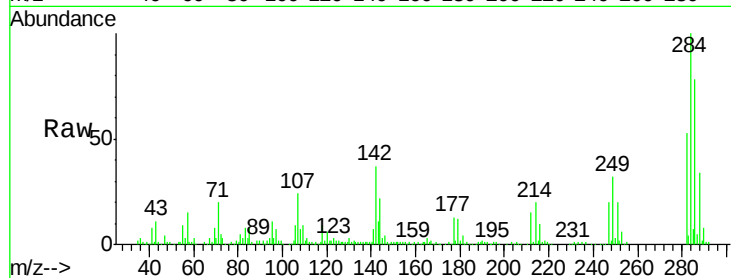




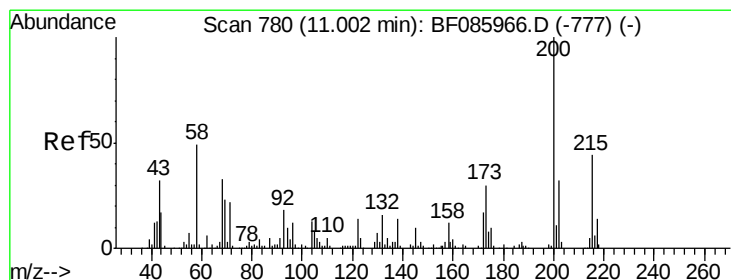
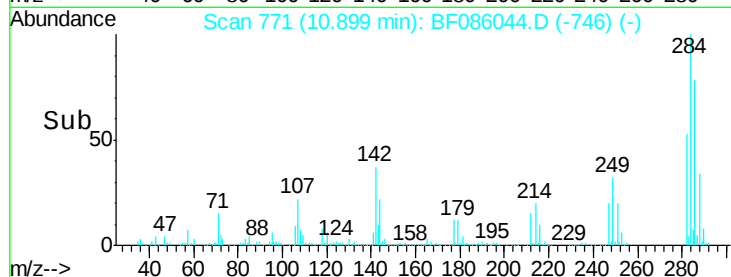
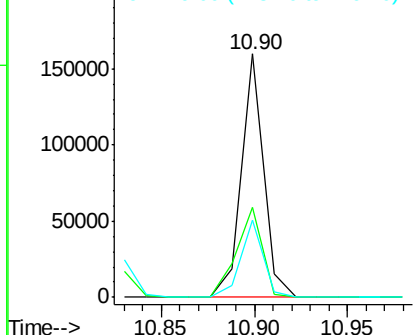
#67
Hexachlorobenzene
Concen: 49.46 ng
RT: 10.90 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

Tgt Ion: 284 Resp: 133150
Ion Ratio Lower Upper
284 100
142 37.2 23.1 34.7#
249 31.9 24.2 36.2

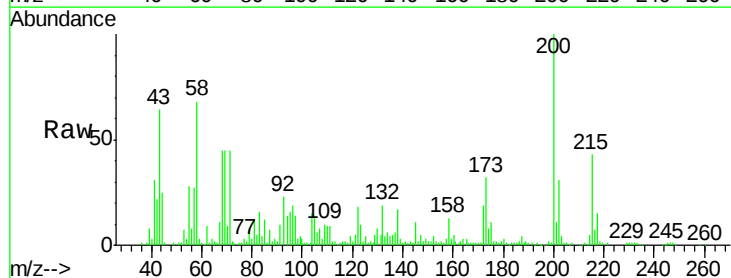


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

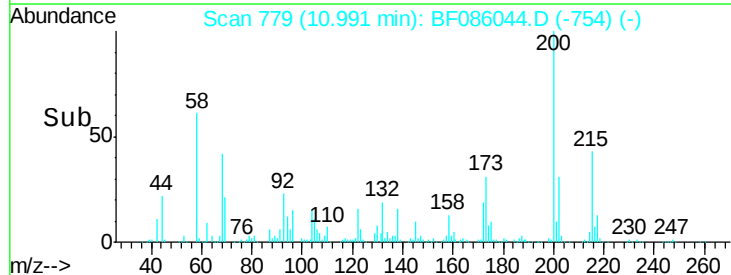
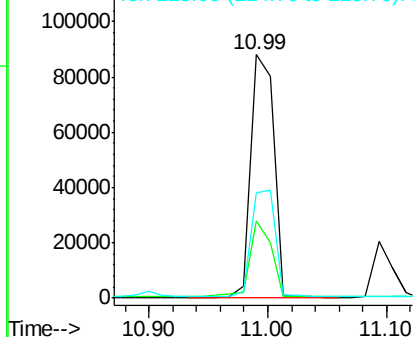


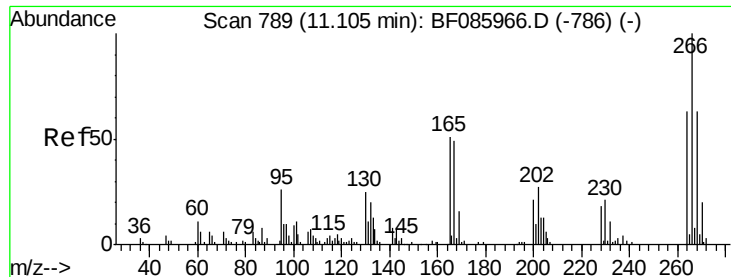
#68
Atrazine
Concen: 46.72 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion: 200 Resp: 120386
Ion Ratio Lower Upper
200 100
173 31.7 7.7 47.7
215 43.4 25.4 65.4



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

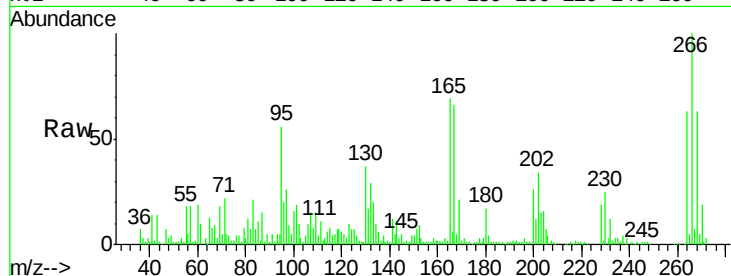




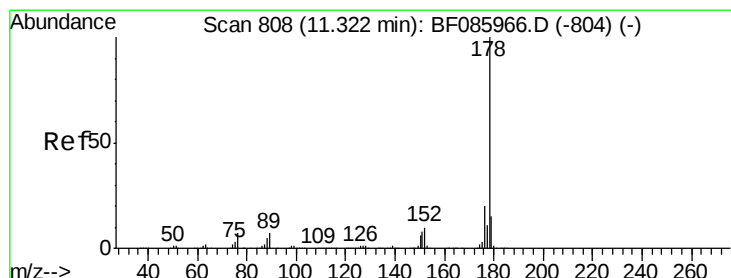
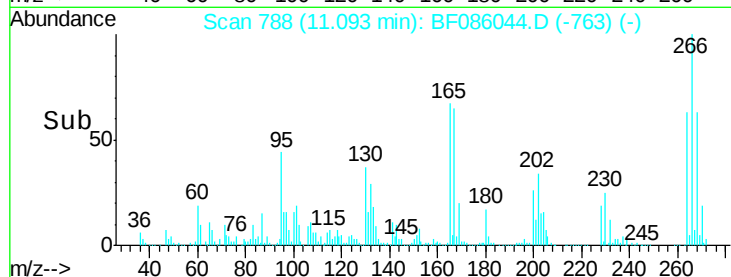
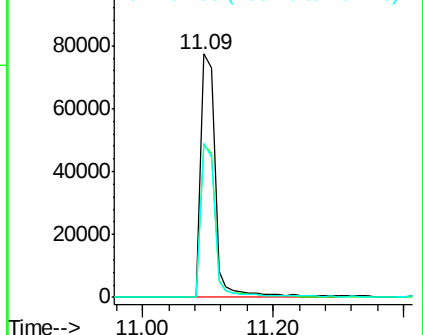
#69
 Pentachlorophenol
 Concen: 95.49 ng
 RT: 11.09 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion: 266 Resp: 120481
 Ion Ratio Lower Upper
 266 100
 268 62.6 51.5 77.3
 264 63.0 50.6 76.0

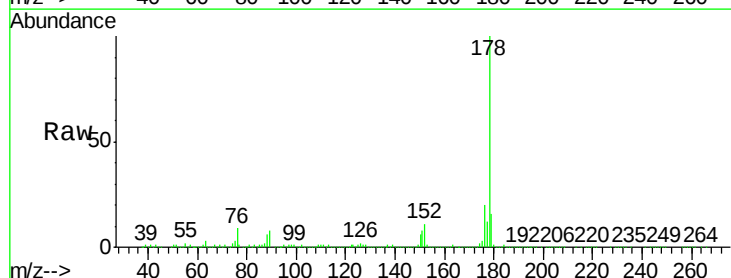


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

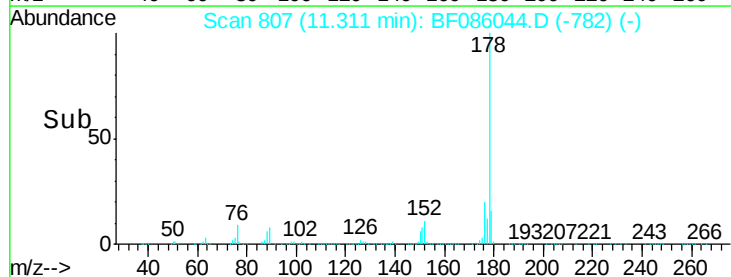
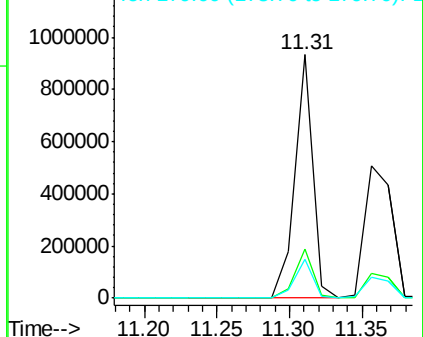


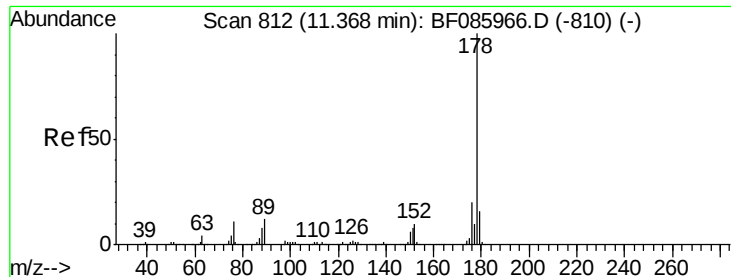
#70
 Phenanthrene
 Concen: 57.21 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion: 178 Resp: 795888
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.3 24.5
 179 15.9 12.6 18.8



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

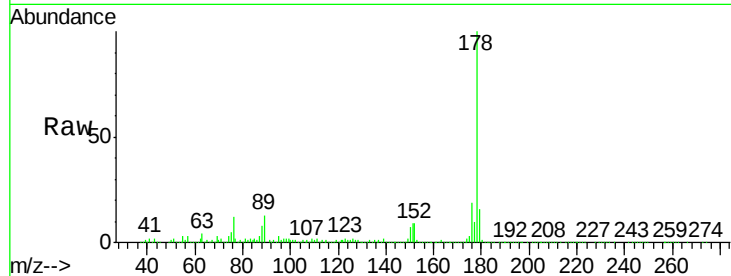




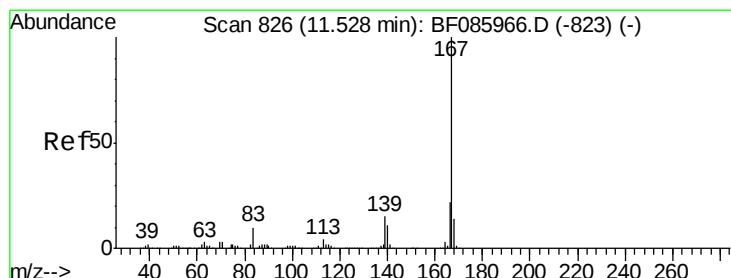
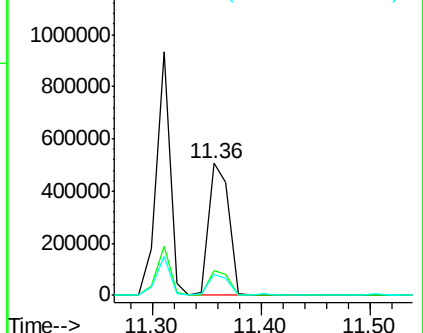
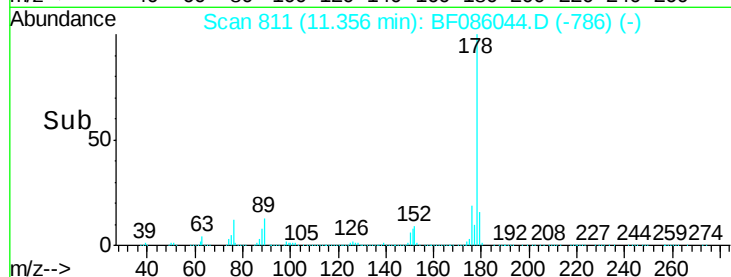
#71
 Anthracene
 Concen: 45.33 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion:178 Resp: 660532
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 16.3 13.0 19.4

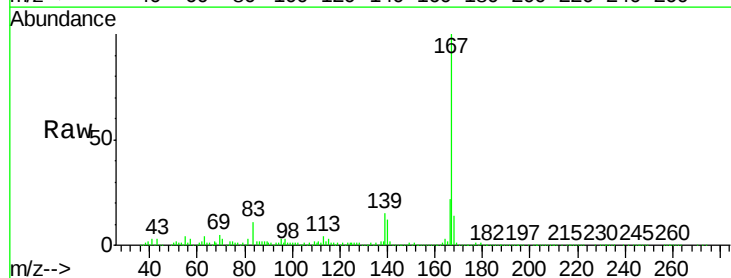


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

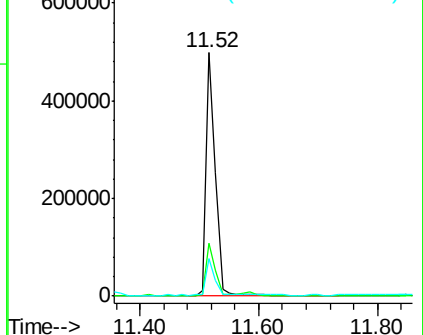
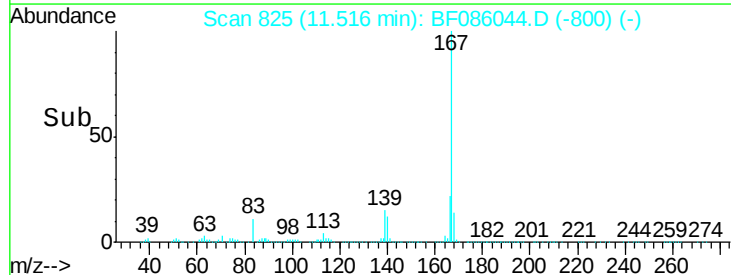


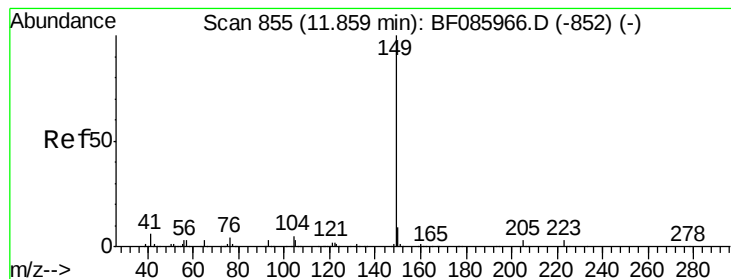
#72
 Carbazole
 Concen: 43.82 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:167 Resp: 548897
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 15.3 11.6 17.4



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: 47.59 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

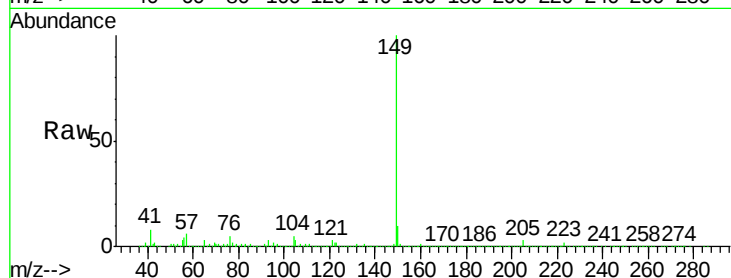
Tgt Ion:149 Resp: 738615

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

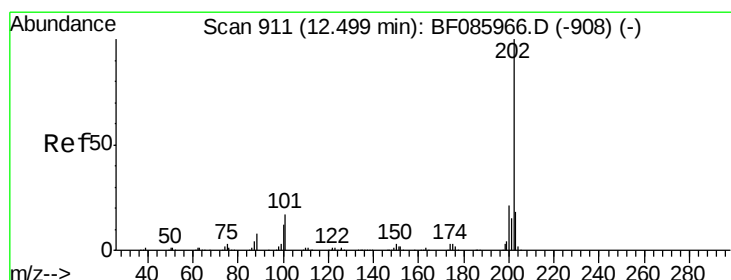
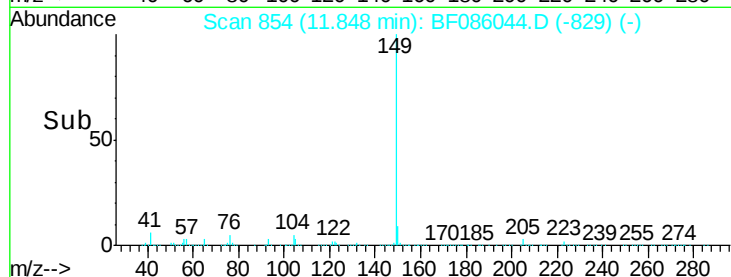
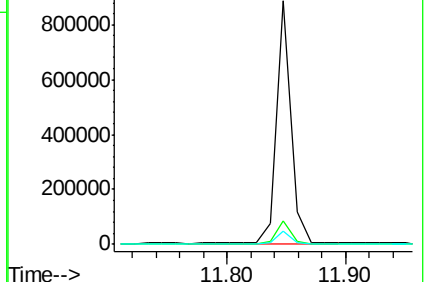
104 5.2 3.8 5.8



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: 58.78 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

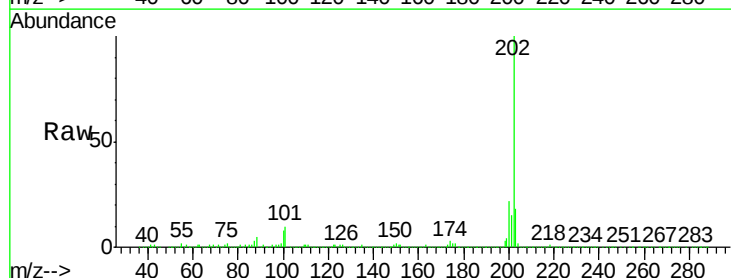
Tgt Ion:202 Resp: 850462

Ion Ratio Lower Upper

202 100

101 10.4 0.0 36.6

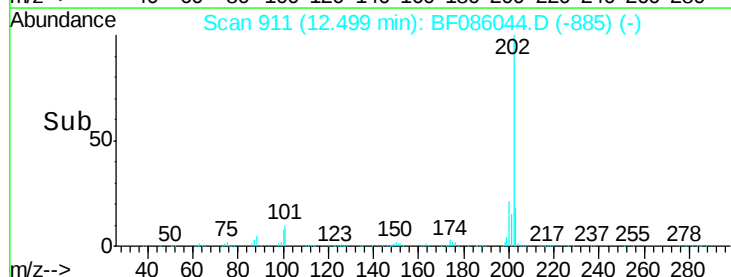
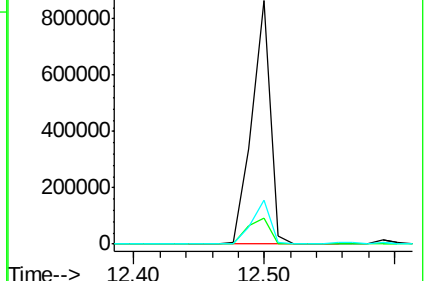
203 18.0 0.0 38.1

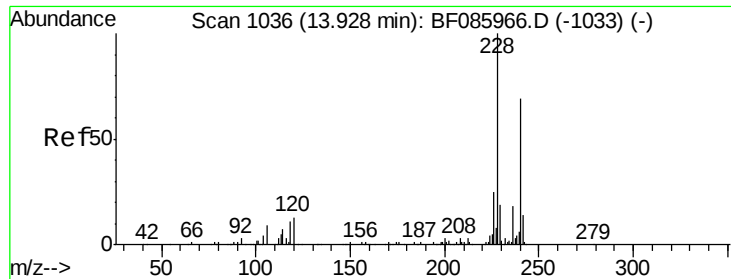


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

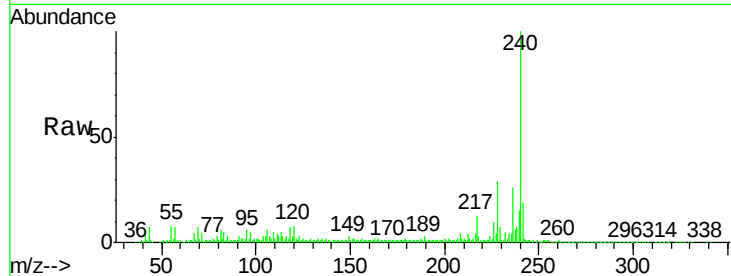
Tgt Ion:240 Resp: 193460

Ion Ratio Lower Upper

240 100

120 8.2 13.8 20.8#

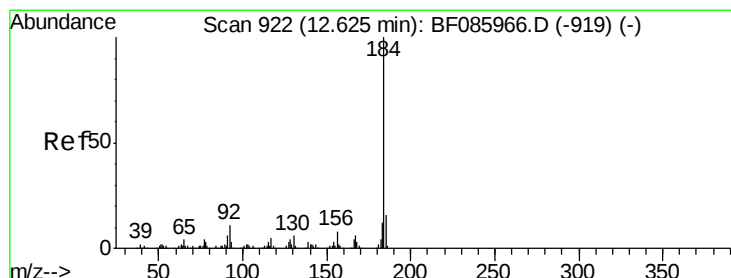
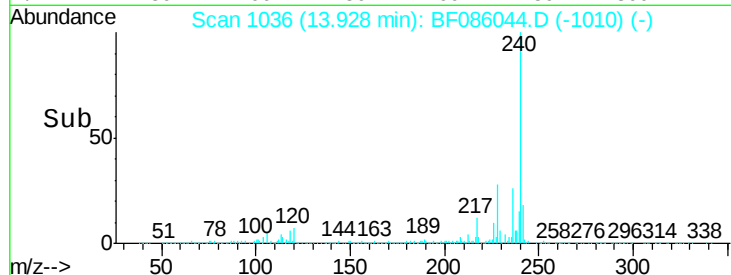
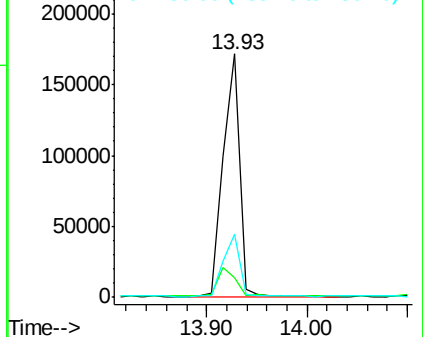
236 26.0 20.6 30.8



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: 0.25 ng

RT: 12.68 min Scan# 927

Delta R.T. 0.06 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

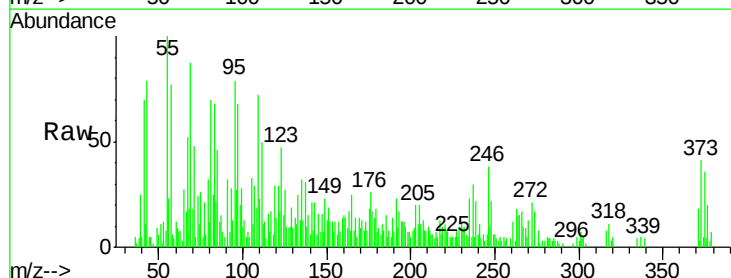
Tgt Ion:184 Resp: 1721

Ion Ratio Lower Upper

184 100

185 203.9 12.4 18.6#

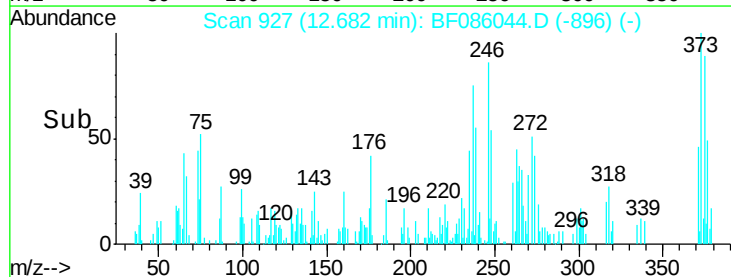
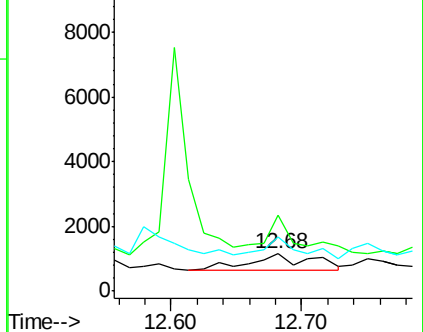
183 145.7 9.4 14.2#

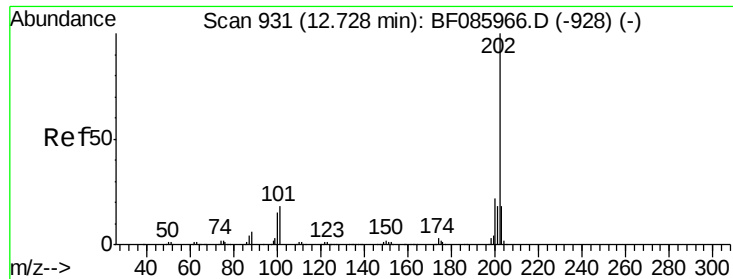


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

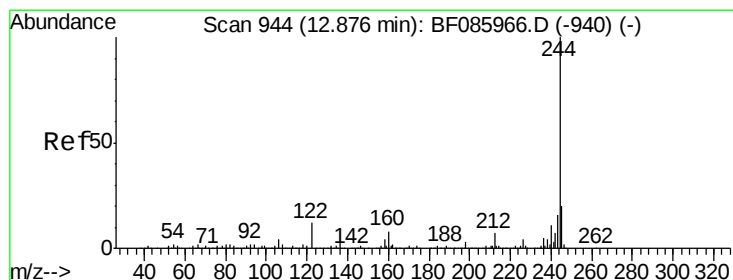
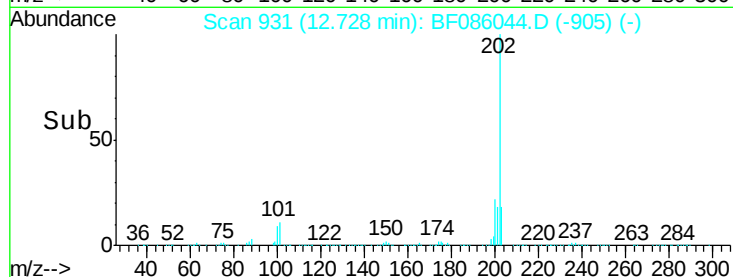
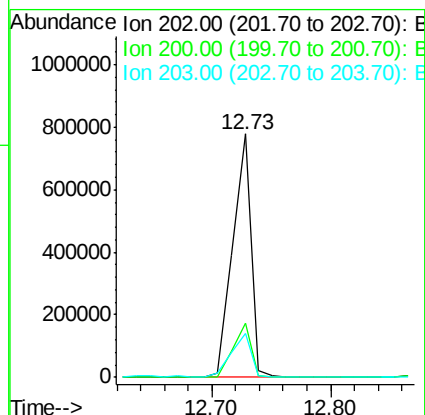
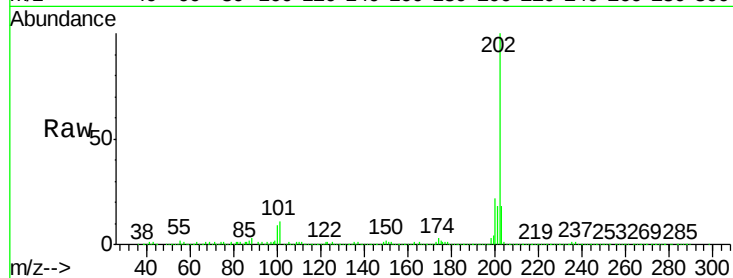




#77
 Pyrene
 Concen: 60.42 ng
 RT: 12.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

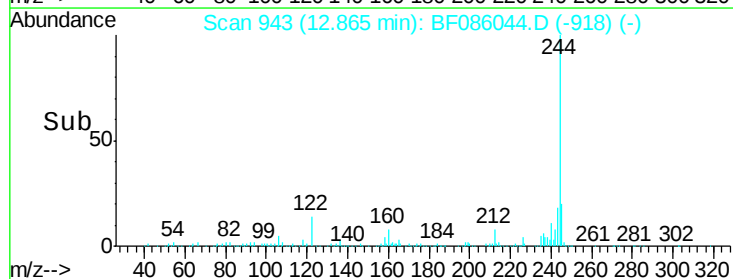
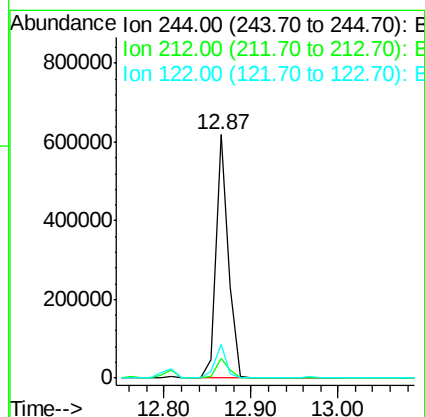
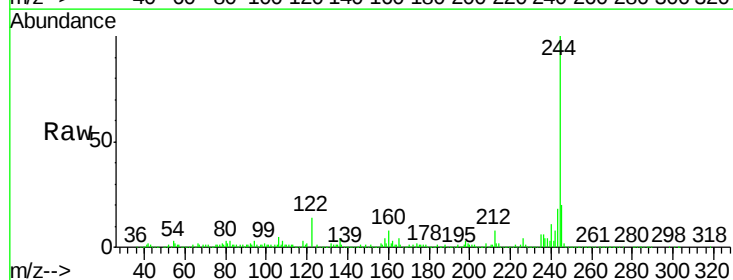
Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

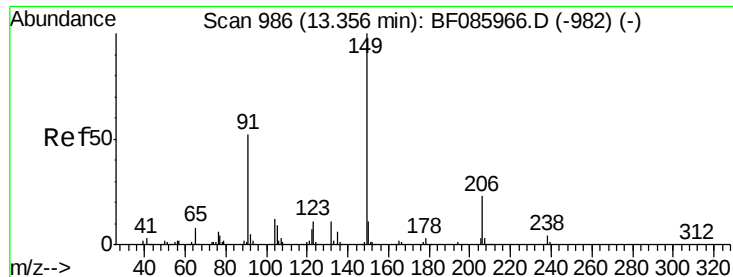
Tgt Ion:202 Resp: 823762
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.6 26.4
 203 17.8 14.0 21.0



#78
 Terphenyl-d14
 Concen: 75.37 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion:244 Resp: 620279
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.1 9.1
 122 14.0 10.2 15.4

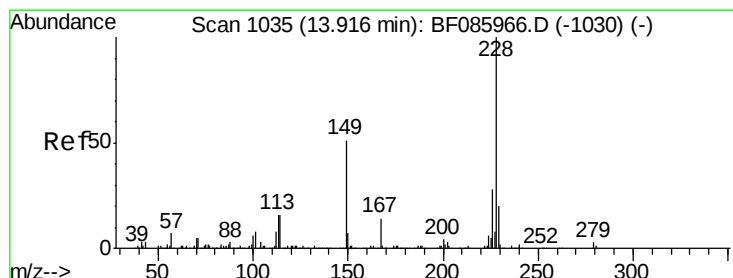
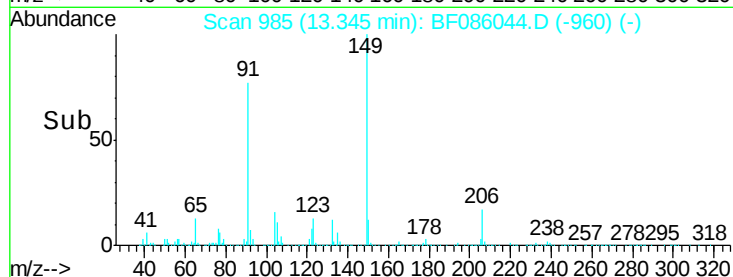
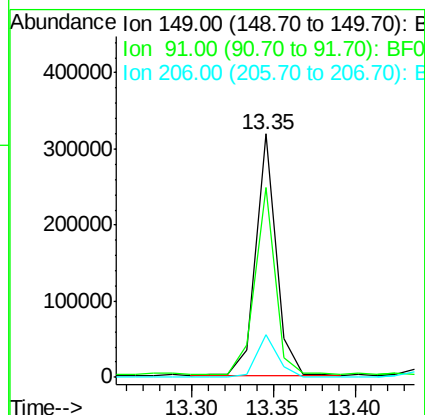
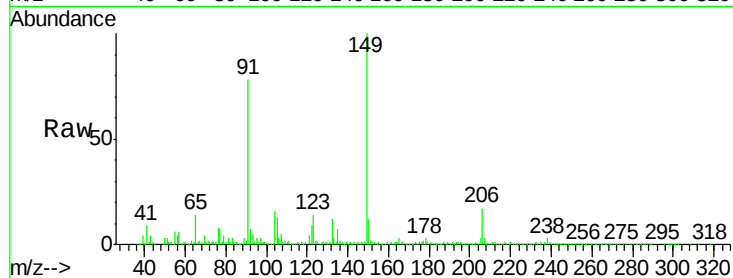




#79
Butylbenzylphthalate
Concen: 44.62 ng
RT: 13.35 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

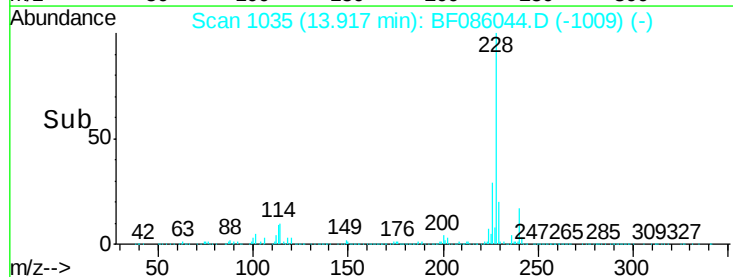
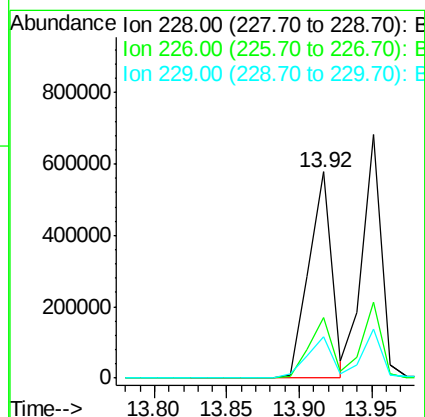
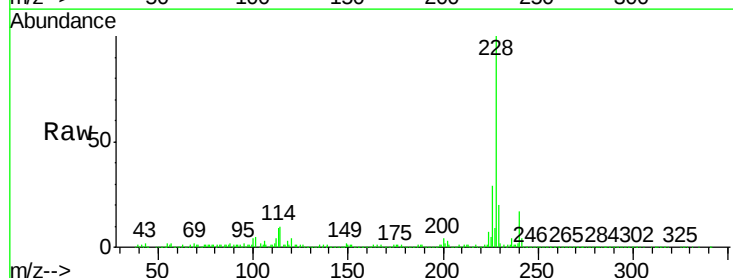
Instrument :
BNA_F
ClientSampleId :
TK2-1-20160401MSD

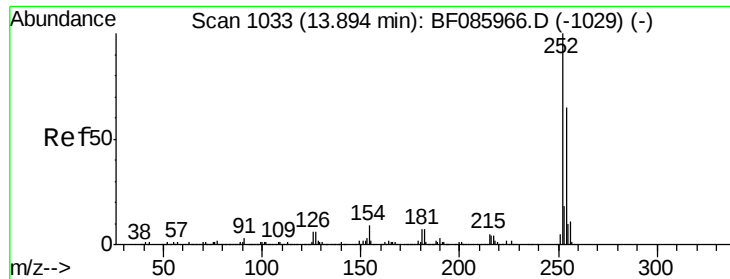
Tgt Ion:149 Resp: 273876
Ion Ratio Lower Upper
149 100
91 77.9 45.8 68.8#
206 17.3 17.8 26.8#



#80
Benzo(a)anthracene
Concen: 55.14 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086044.D
Acq: 4 Apr 2016 18:04

Tgt Ion:228 Resp: 628804
Ion Ratio Lower Upper
228 100
226 29.3 22.1 33.1
229 19.8 16.2 24.4

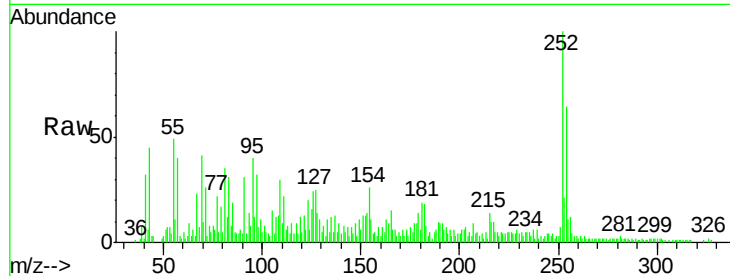




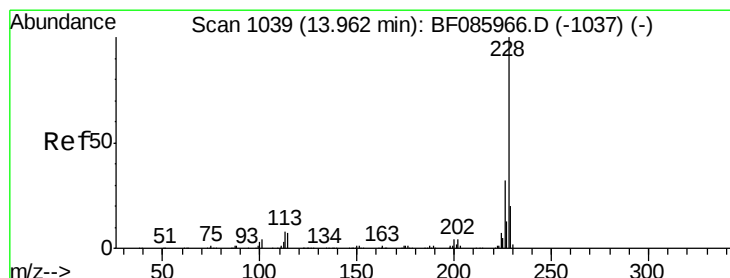
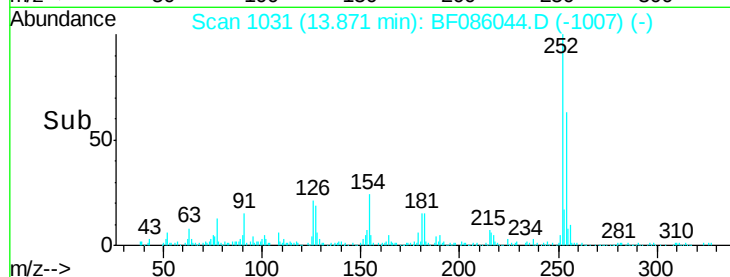
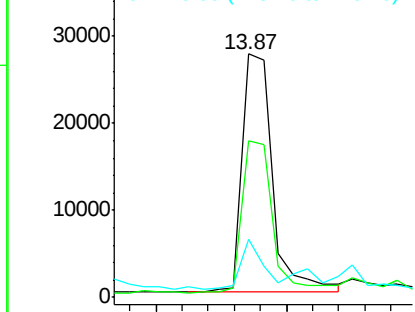
#81
 3,3'-Dichlorobenzidine
 Concen: 5.34 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

Tgt Ion: 252 Resp: 44464
 Ion Ratio Lower Upper
 252 100
 254 64.2 50.7 76.1
 126 23.8 11.8 17.6#

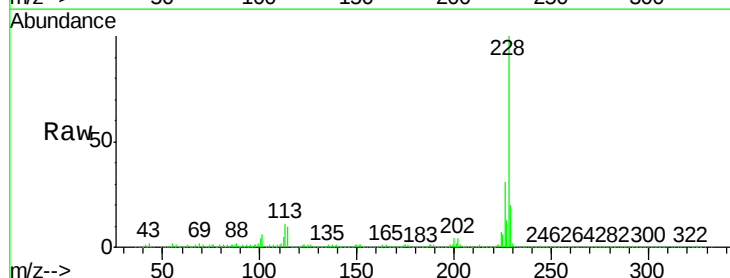


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

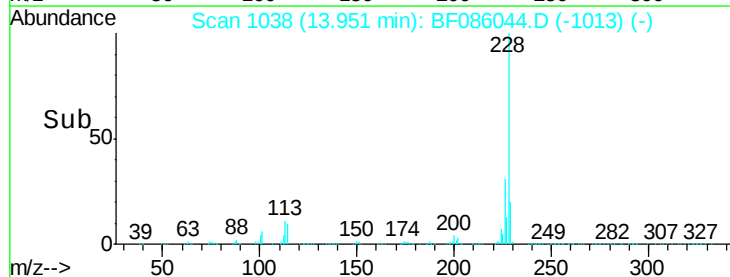
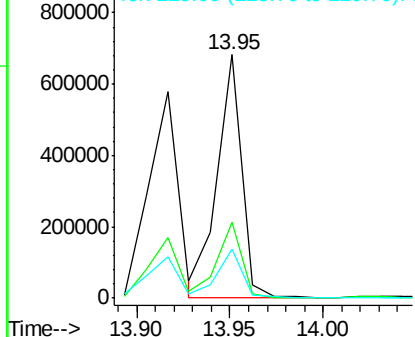


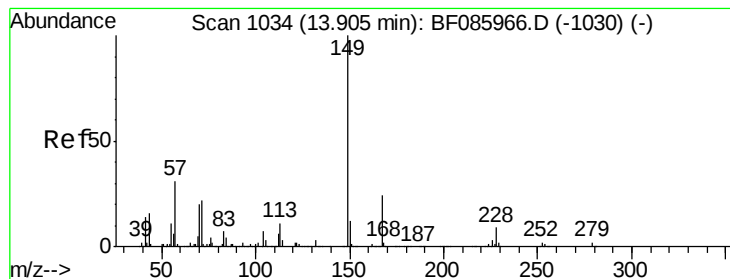
#82
 Chrysene
 Concen: 56.55 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion: 228 Resp: 621158
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.0 37.6
 229 20.3 15.7 23.5



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: 50.71 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

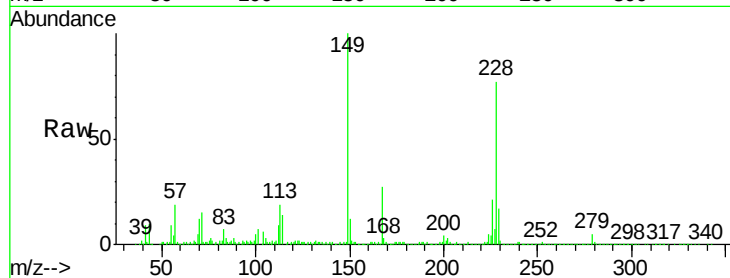
Tgt Ion:149 Resp: 413183

Ion Ratio Lower Upper

149 100

167 27.1 19.4 29.2

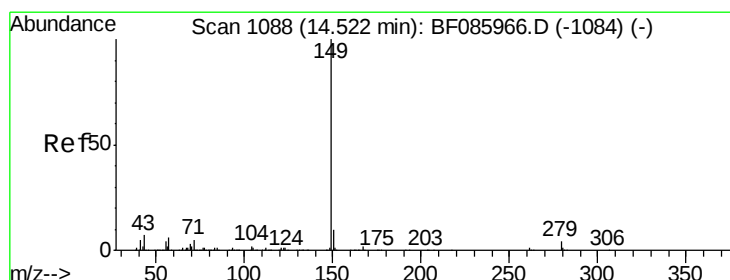
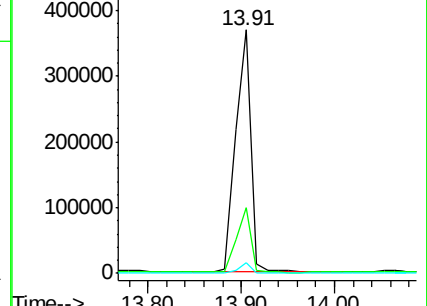
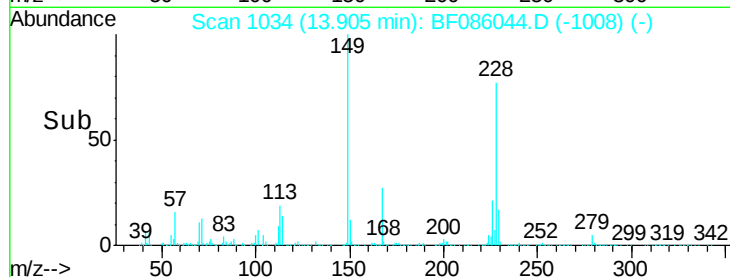
279 4.6 1.5 2.3#



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: 53.07 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

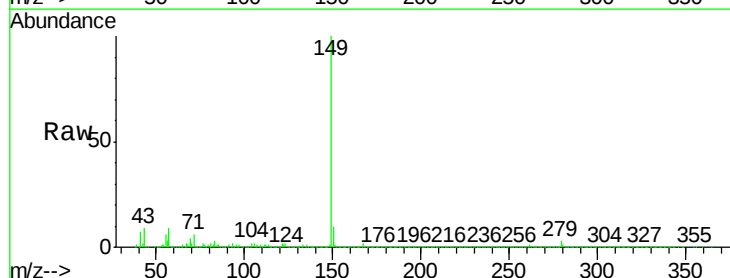
Tgt Ion:149 Resp: 690449

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

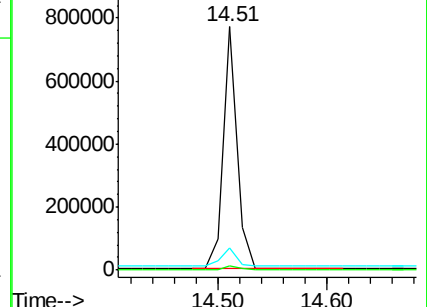
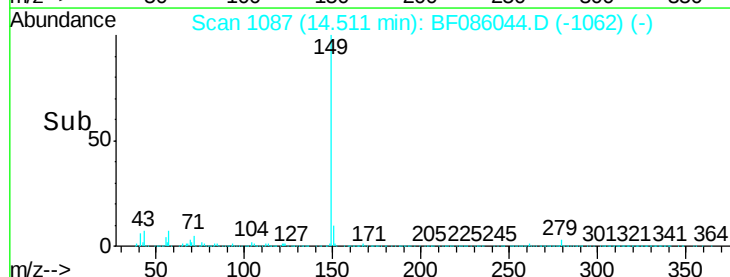
43 8.7 7.1 10.7



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

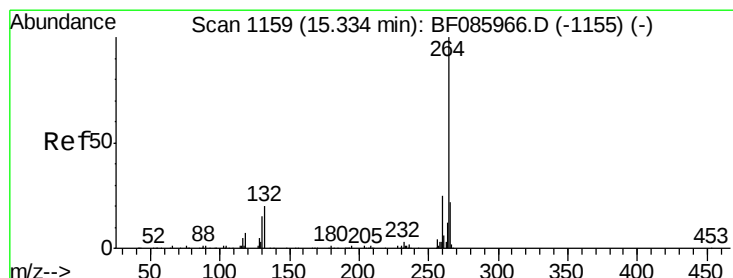
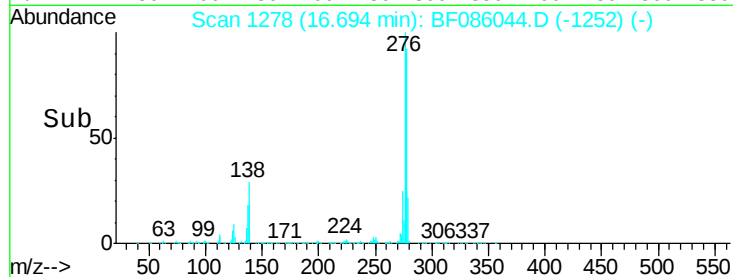
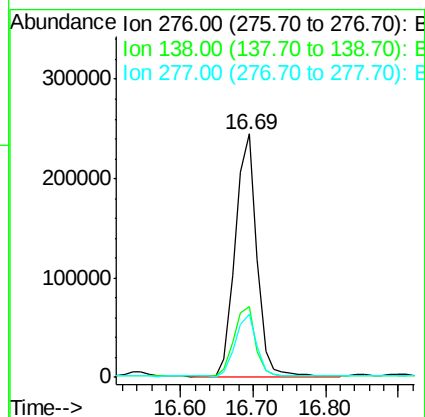
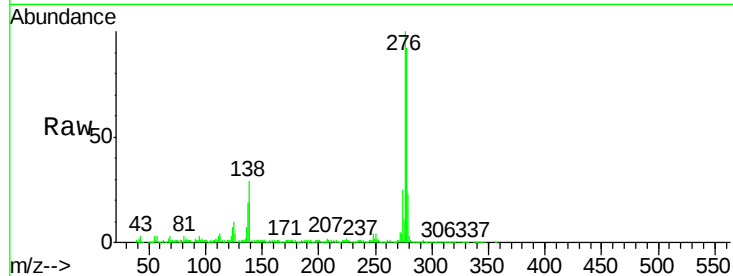




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 56.62 ng
 RT: 16.69 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

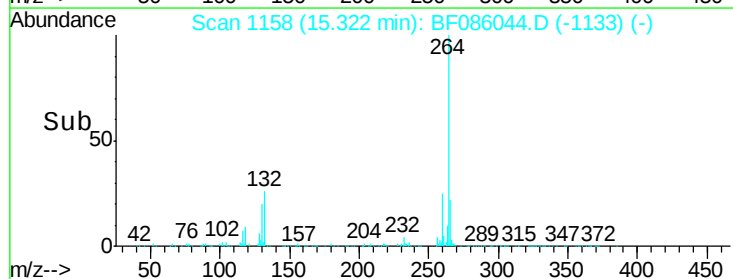
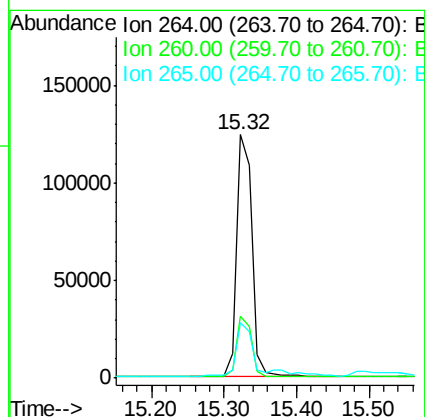
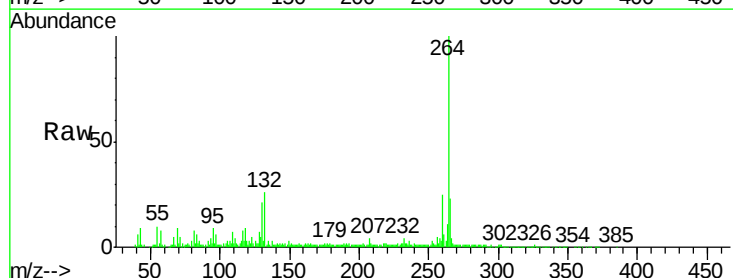
Instrument :
 BNA_F
 ClientSampleId :
 TK2-1-20160401MSD

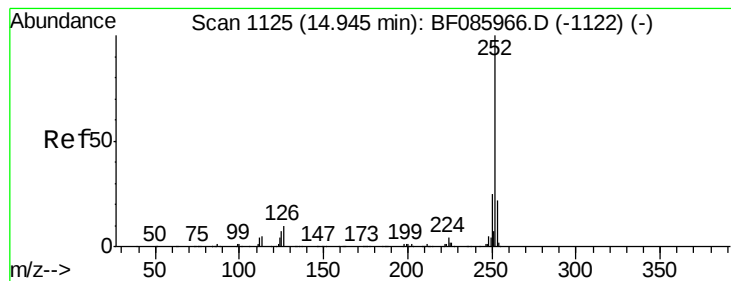
Tgt Ion: 276 Resp: 504630
 Ion Ratio Lower Upper
 276 100
 138 29.1 24.2 36.4
 277 25.0 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF086044.D
 Acq: 4 Apr 2016 18:04

Tgt Ion: 264 Resp: 181876
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.4 29.2
 265 22.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 102.42 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

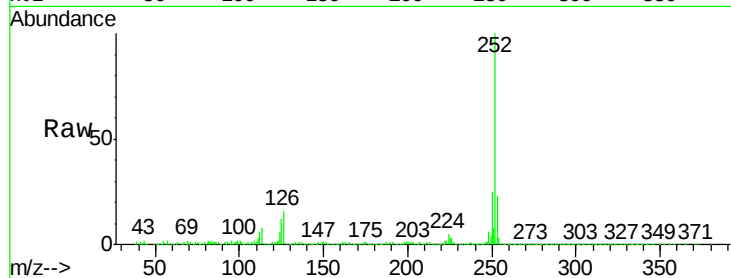
Tgt Ion:252 Resp: 1171768

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

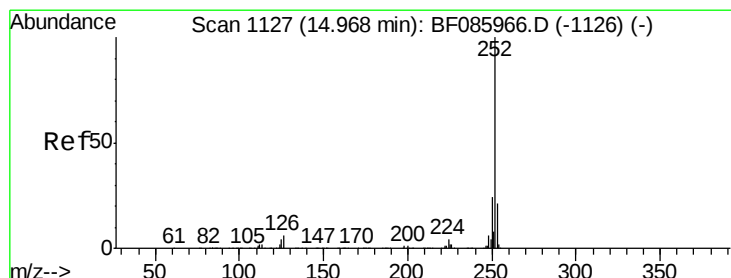
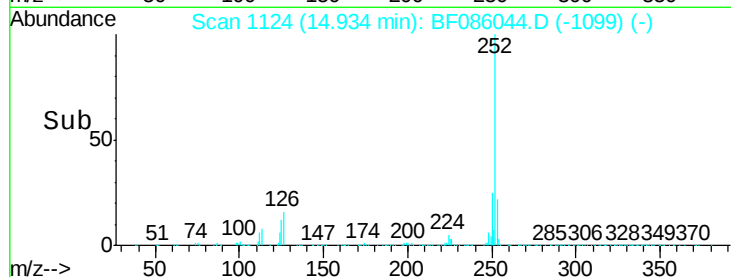
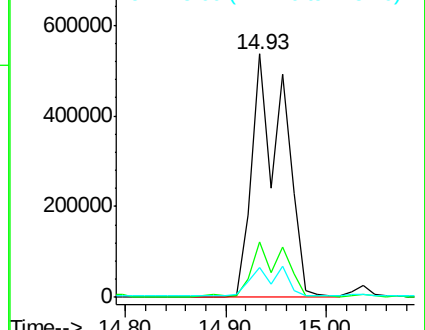
125 12.2 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 115.66 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

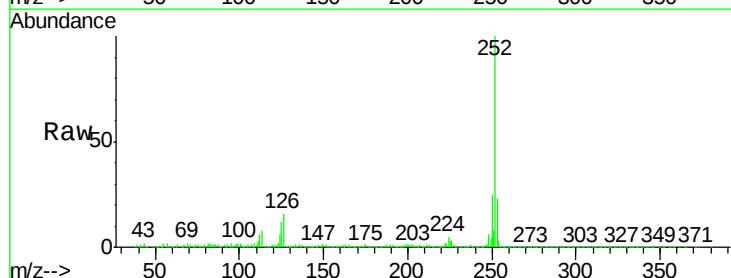
Tgt Ion:252 Resp: 1171768

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

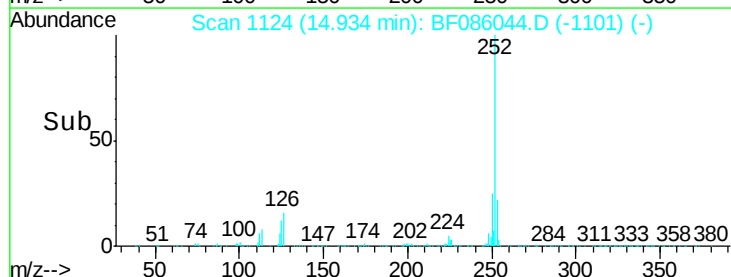
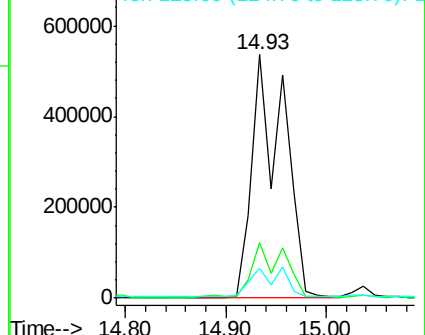
125 12.2 7.7 11.5#

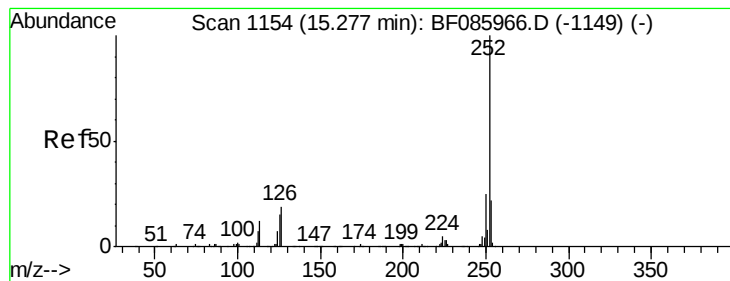


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 55.62 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

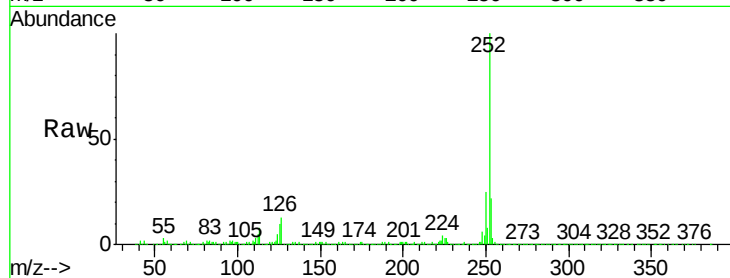
Tgt Ion:252 Resp: 563857

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

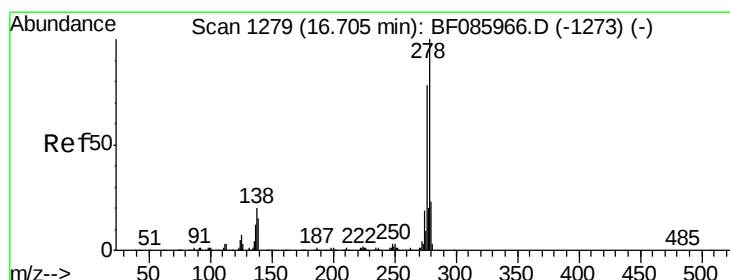
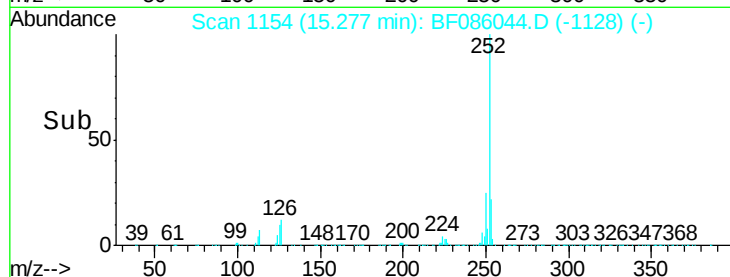
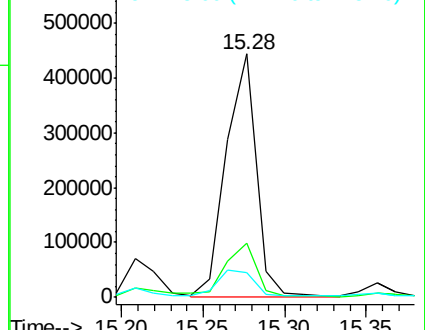
125 10.4 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 47.21 ng

RT: 16.69 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

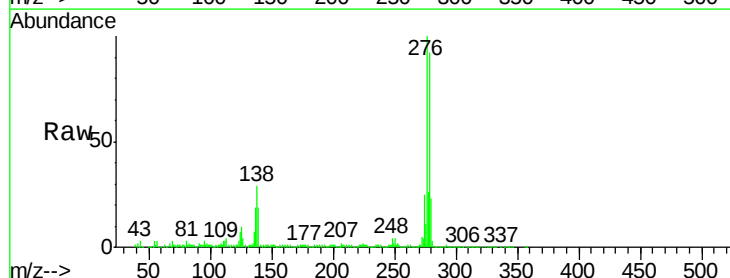
Tgt Ion:278 Resp: 385014

Ion Ratio Lower Upper

278 100

139 20.5 14.4 21.6

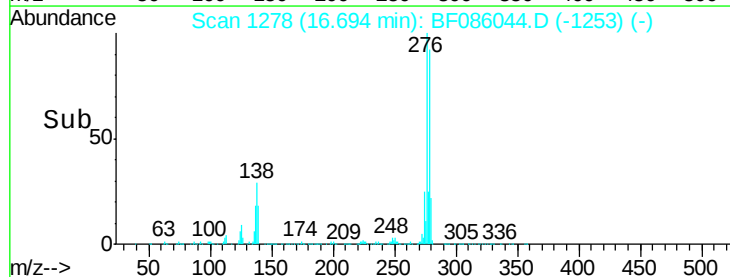
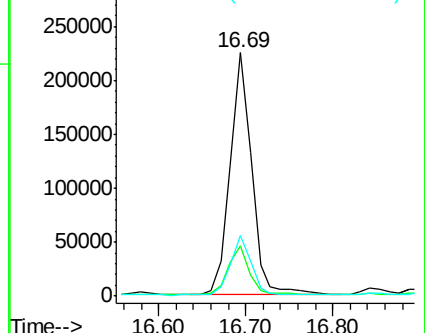
279 24.8 19.1 28.7

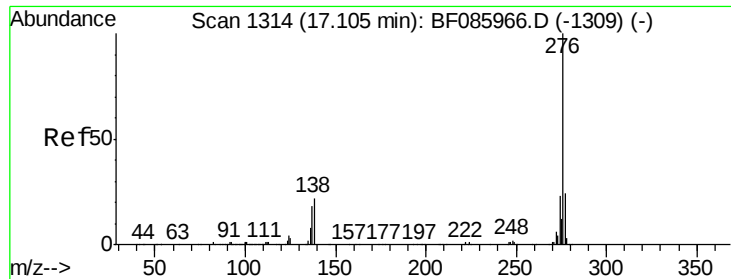


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 51.80 ng

RT: 17.09 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF086044.D

Acq: 4 Apr 2016 18:04

Instrument :

BNA_F

ClientSampleId :

TK2-1-20160401MSD

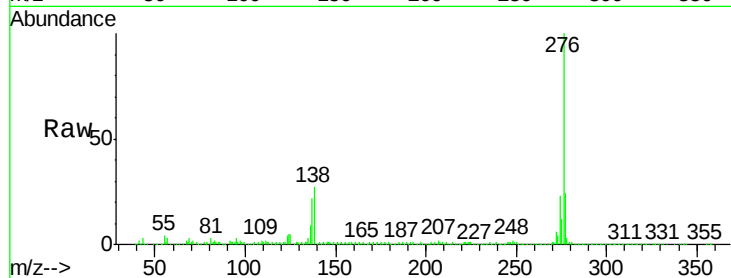
Tgt Ion: 276 Resp: 408847

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 26.8 22.6 34.0



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

