

Data Path : Z:\HPCHEM1\BNA F\Data\BF122216\
 Data File : BF091909.D
 Acq On : 23 Dec 2016 6:55
 Operator : UM/SJ
 Sample : H6156-25MSD
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 15:55:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	195986	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	755992	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	398332	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	572830	20.00	ng	0.00
75) Chrysene-d12	13.91	240	368676	20.00	ng	0.00
86) Perylene-d12	15.30	264	311276	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1480658	126.15	ng	0.06
7) Phenol-d6	6.45	99	1853930	129.37	ng	0.05
23) Nitrobenzene-d5	7.32	82	1353338	99.54	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	455443	138.16	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	2131495	114.05	ng	0.00
78) Terphenyl-d14	12.85	244	1505707	99.05	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.38	88	215611	37.31	ng	97
3) Pyridine	3.06	79	610244	30.26	ng	97
4) n-Nitrosodimethylamine	3.02	42	371813	48.87	ng	99
6) Aniline	6.42	93	284569	15.29	ng	# 45
8) 2-Chlorophenol	6.56	128	601885	45.08	ng	99
9) Benzaldehyde	6.29	77	89306	8.36	ng	95
10) Phenol	6.46	94	731926	44.82	ng	# 69
11) bis(2-Chloroethyl)ether	6.50	93	686343	52.82	ng	97
12) 1,3-Dichlorobenzene	6.77	146	656754	46.08	ng	96
13) 1,4-Dichlorobenzene	6.77	146	656754	45.27	ng	95
14) 1,2-Dichlorobenzene	6.92	146	540479	42.94	ng	97
15) Benzyl Alcohol	6.92	79	583159	52.37	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.04	45	870103	44.97	ng	86
17) 2-Methylphenol	7.06	107	527226	49.10	ng	96
18) Hexachloroethane	7.26	117	246612	45.85	ng	99
19) n-Nitroso-di-n-propylamine	7.17	70	490511	51.45	ng	99
20) 3+4-Methylphenols	7.22	107	700719	54.71	ng	# 73
22) Acetophenone	7.17	105	994537	53.34	ng	# 89
24) Nitrobenzene	7.34	77	792270	54.71	ng	92
25) Isophorone	7.58	82	1281941	51.11	ng	96
26) 2-Nitrophenol	7.65	139	308071	43.14	ng	92
27) 2,4-Dimethylphenol	7.72	122	555482	46.90	ng	98
28) bis(2-Chloroethoxy)methane	7.80	93	861989	56.67	ng	100
29) 2,4-Dichlorophenol	7.93	162	535834	53.43	ng	95
30) 1,2,4-Trichlorobenzene	7.98	180	556868	50.67	ng	94
31) Naphthalene	8.06	128	7271927	210.17	ng	97
32) Benzoic acid	7.88	122	219429	24.98	ng	99
33) 4-Chloroaniline	8.12	127	203696	13.06	ng	97
34) Hexachlorobutadiene	8.18	225	322972	55.67	ng	98
35) Caprolactam	8.49	113	110703	33.59	ng	# 53
36) 4-Chloro-3-methylphenol	8.64	107	559169	48.45	ng	87
37) 2-Methylnaphthalene	8.75	142	1370416	Below	Cal	98
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	532242	52.89	ng	98
40) Hexachlorocyclopentadiene	8.90	237	294925	66.51	ng	97

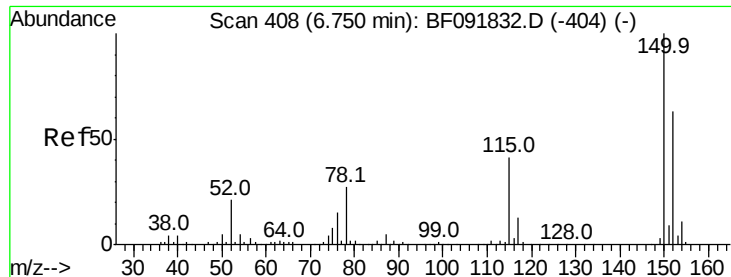
Data Path : Z:\HPCHEM1\BNA F\Data\BF122216\
 Data File : BF091909.D
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Quant Time: Dec 23 15:55:35 2016
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	320265	45.50	nq	98
43) 2,4,5-Trichlorophenol	9.09	196	303477	41.90	nq	97
45) 1,1'-Biphenyl	9.22	154	1551333	56.88	nq	98
46) 2-Chloronaphthalene	9.24	162	1082762	50.13	nq	95
47) 2-Nitroaniline	9.34	65	297300	38.66	nq	99
48) Acenaphthylene	9.65	152	1641598	49.42	nq	99
49) Dimethylphthalate	9.53	163	1362229	53.47	nq	100
50) 2,6-Dinitrotoluene	9.58	165	253727	45.50	nq	# 66
51) Acenaphthene	9.82	154	1076635	47.81	nq	98
52) 3-Nitroaniline	9.76	138	169463	24.56	nq	96
53) 2,4-Dinitrophenol	9.86	184	75386	24.30	nq	# 50
54) Dibenzofuran	10.00	168	1385927	45.57	nq	97
55) 4-Nitrophenol	10.00	139	828774	176.88	nq	# 7
56) 2,4-Dinitrotoluene	9.98	165	301337	43.06	nq	# 81
57) Fluorene	10.34	166	1104020	49.90	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.12	232	251863	43.96	nq	97
59) Diethylphthalate	10.22	149	1366862	55.24	nq	95
60) 4-Chlorophenyl-phenylether	10.33	204	495613	51.15	nq	97
61) 4-Nitroaniline	10.37	138	225755	31.57	nq	97
62) Azobenzene	10.49	77	1302154	47.80	nq	98
64) 4,6-Dinitro-2-methylphenol	10.40	198	78888	22.77	nq	74
65) n-Nitrosodiphenylamine	10.45	169	942354	55.44	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	311966	52.35	nq	98
67) Hexachlorobenzene	10.89	284	348416	54.70	nq	99
68) Atrazine	10.99	200	298431	54.43	nq	97
69) Pentachlorophenol	11.09	266	241059	77.13	nq	99
70) Phenanthrene	11.30	178	1628439	52.43	nq	99
71) Anthracene	11.34	178	1400743	55.04	nq	99
72) Carbazole	11.52	167	1316405	61.67	nq	97
73) Di-n-butylphthalate	11.84	149	1822451	63.62	nq	99
74) Fluoranthene	12.48	202	1286682	47.42	nq	97
76) Benzidine	12.61	184	112199	8.52	nq	97
77) Pyrene	12.71	202	1253129	46.33	nq	100
79) Butylbenzylphthalate	13.33	149	713804	58.02	nq	89
80) Benzo(a)anthracene	13.89	228	983490	47.26	nq	99
81) 3,3'-Dichlorobenzidine	13.86	252	222584	28.21	nq	# 97
82) Chrysene	13.93	228	856444	41.03	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	968124	66.82	nq	# 98
84) Di-n-octyl phthalate	14.50	149	1452607	54.12	nq	99
85) Indeno(1,2,3-cd)pyrene	16.65	276	791159	43.75	nq	98
87) Benzo(b)fluoranthene	14.91	252	1832633	94.56	nq	# 97
88) Benzo(k)fluoranthene	14.91	252	1832633	110.90	nq	97
89) Benzo(a)pyrene	15.24	252	846426	49.21	nq	99
90) Dibenzo(a,h)anthracene	16.66	278	670072	47.39	nq	# 96
91) Benzo(g,h,i)perylene	17.05	276	650731	44.26	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

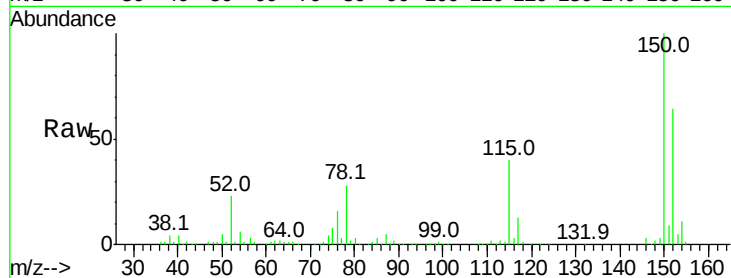
Tot Ion:152 Resp: 195986

Ion Ratio Lower Upper

152 100

150 155.3 124.9 187.3

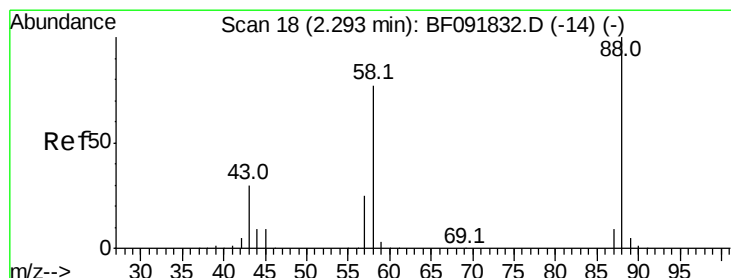
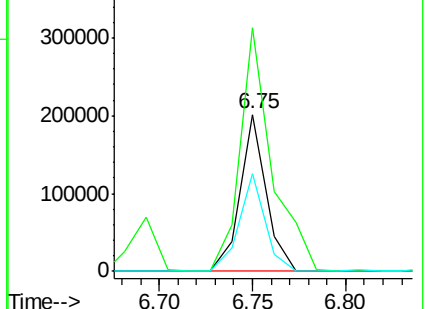
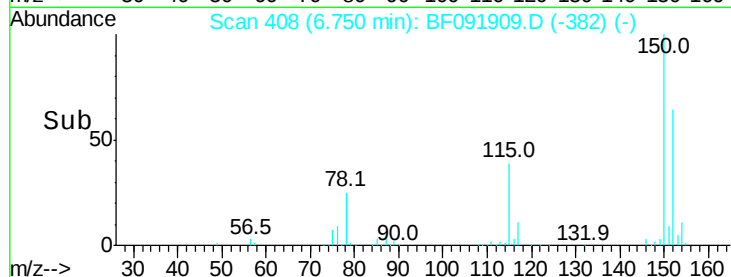
115 62.1 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 37.31 ng

RT: 2.38 min Scan# 26

Delta R.T. 0.09 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

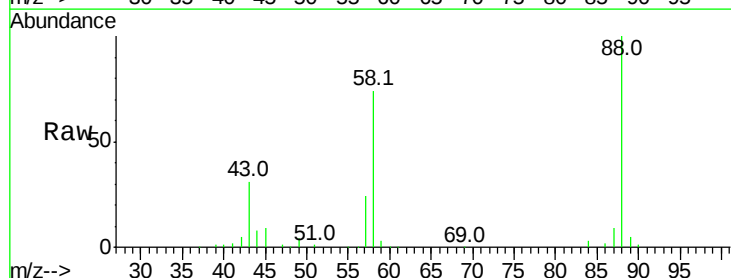
Tgt Ion: 88 Resp: 215611

Ion Ratio Lower Upper

88 100

58 74.5 57.8 86.8

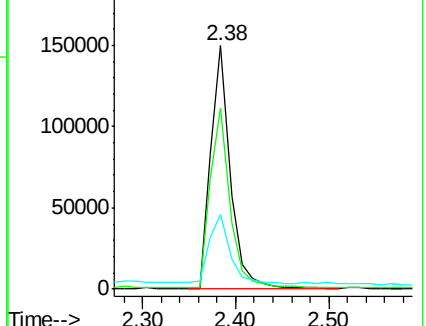
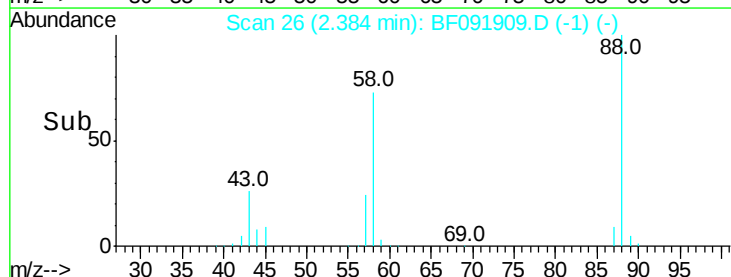
43 30.6 22.3 33.5

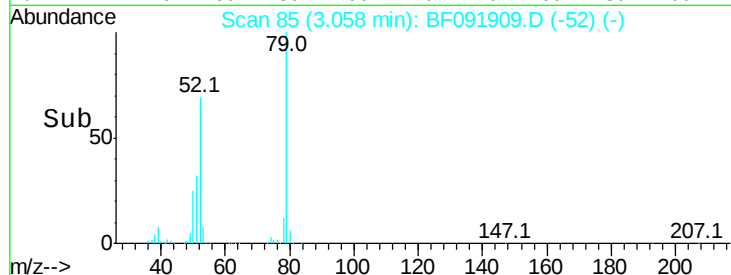
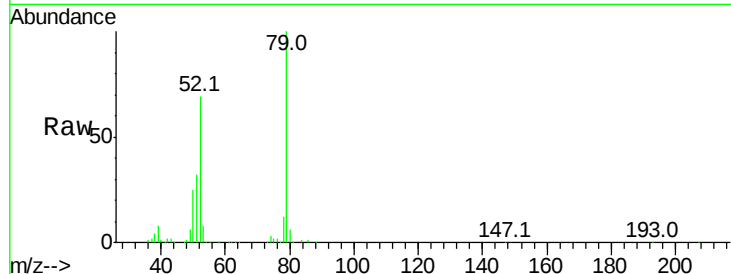
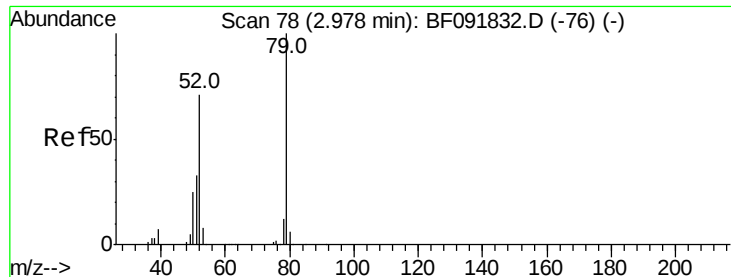


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

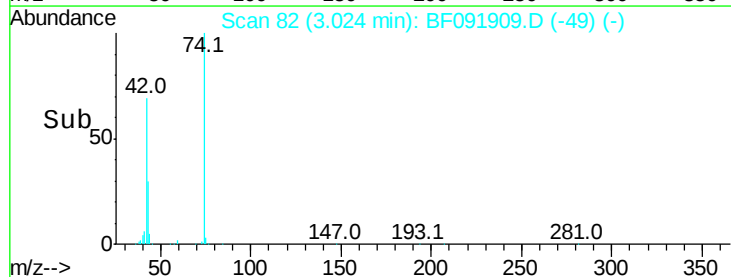
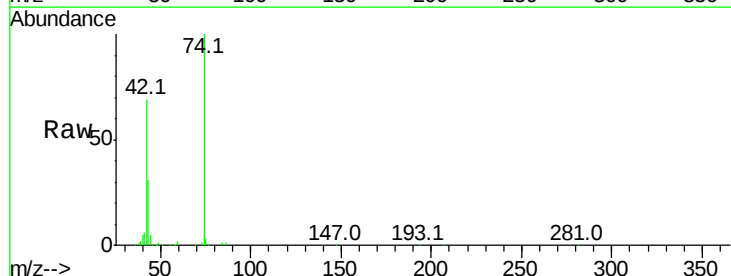
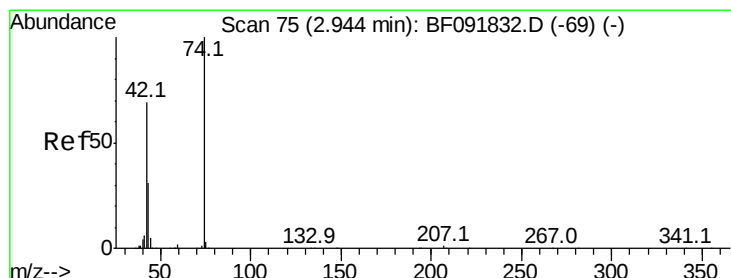
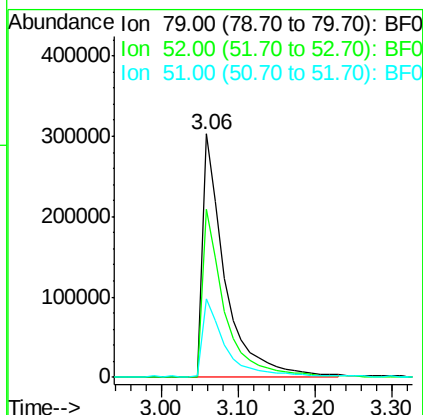




#3
 Pvridine
 Concen: 30.26 ng
 RT: 3.06 min Scan# 85
 Delta R.T. 0.08 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

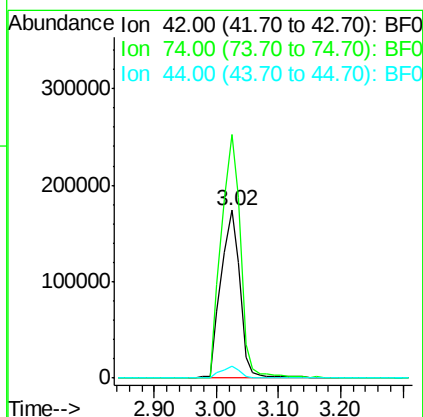
Instrument :
 BNA_F
 ClientSampleId :

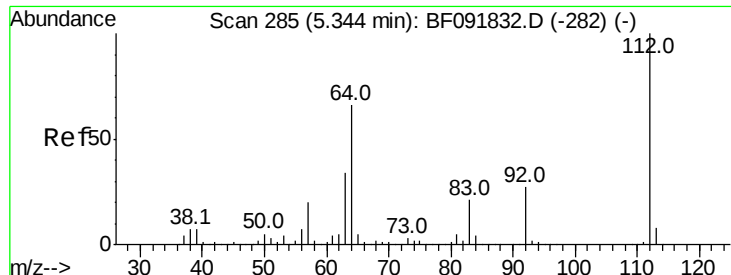
Tot Ion: 79 Resp: 610244
 Ion Ratio Lower Upper
 79 100
 52 69.0 57.1 85.7
 51 32.5 27.3 40.9



#4
 n-Nitrosodimethylamine
 Concen: 48.87 ng
 RT: 3.02 min Scan# 82
 Delta R.T. 0.08 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion: 42 Resp: 371813
 Ion Ratio Lower Upper
 42 100
 74 145.1 117.0 175.4
 44 7.1 5.5 8.3





#5

2-Fluorophenol

Concen: 126.15 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampled :

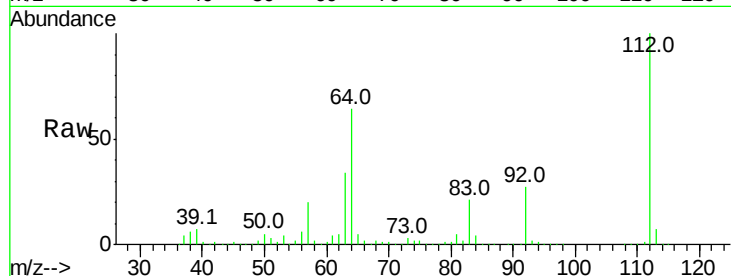
Tot Ion:112 Resp: 1480658

Ion Ratio Lower Upper

112 100

64 63.9 46.1 69.1

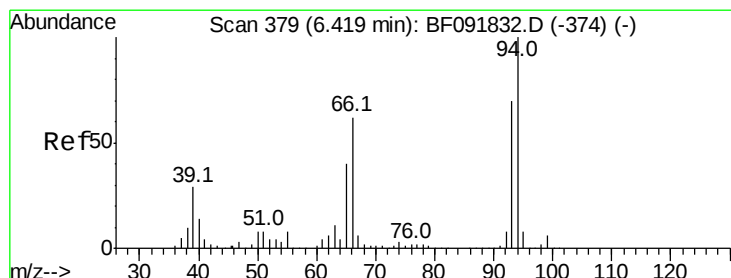
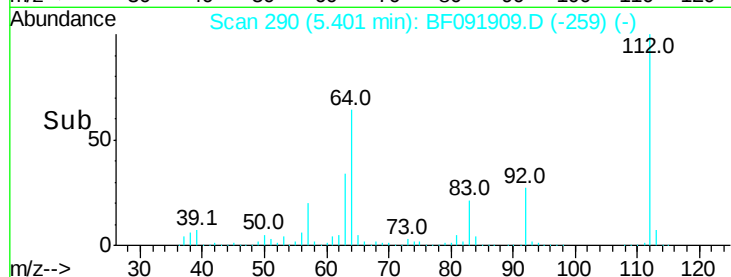
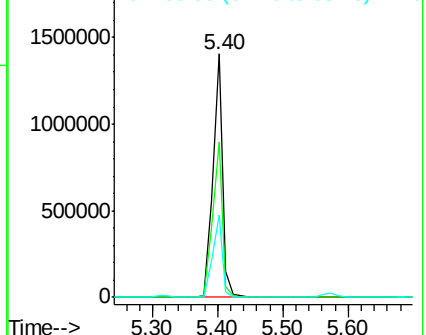
63 34.0 23.8 35.6



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: 15.29 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

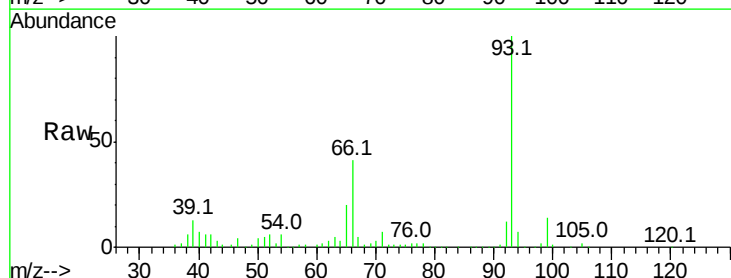
Tgt Ion: 93 Resp: 284569

Ion Ratio Lower Upper

93 100

66 40.9 76.2 114.2#

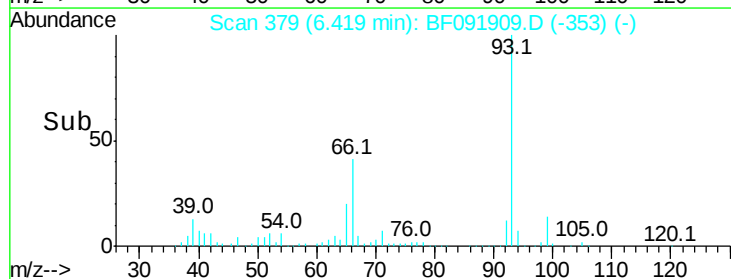
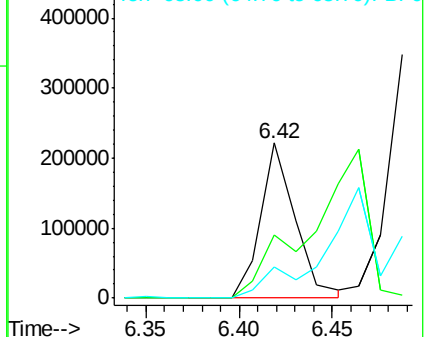
65 20.1 49.3 73.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 129.37 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

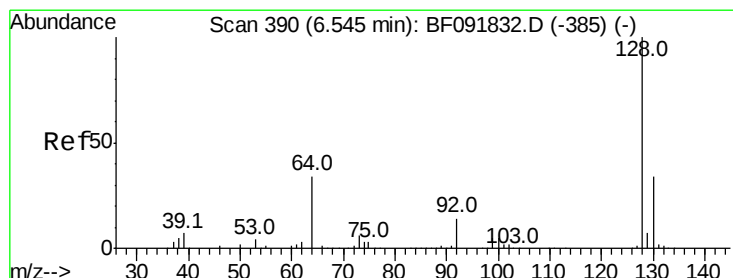
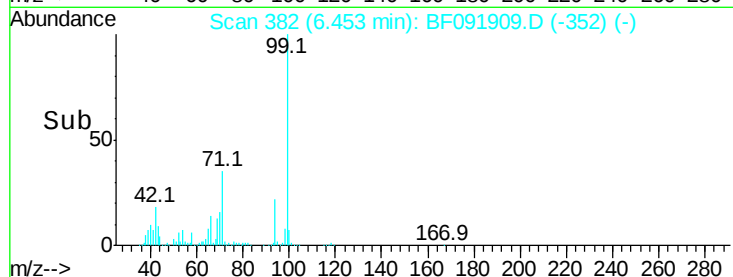
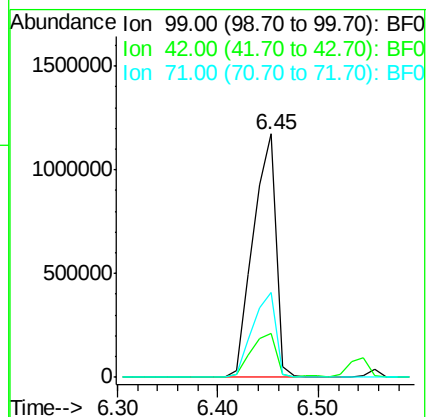
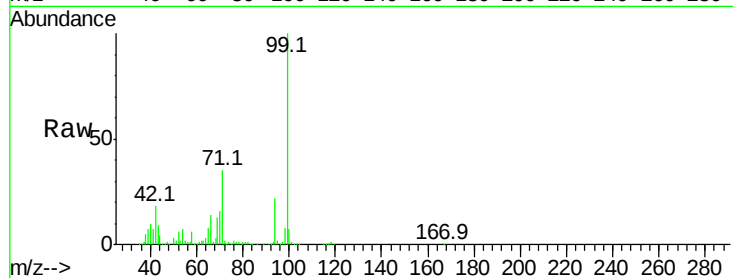
Tot Ion: 99 Resp: 1853930

Ion Ratio Lower Upper

99 100

42 18.2 15.6 23.4

71 34.8 27.5 41.3



#8

2-Chlorophenol

Concen: 45.08 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

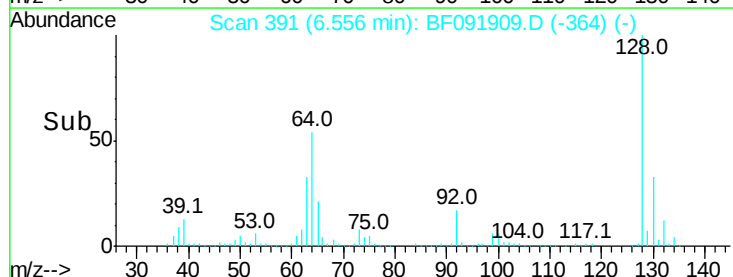
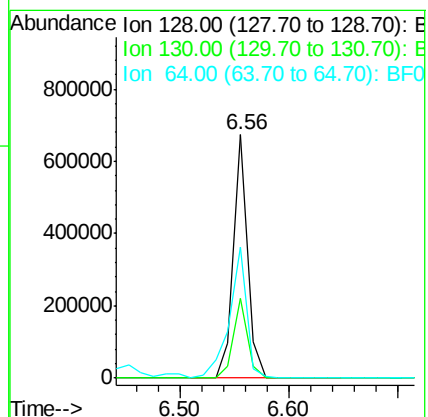
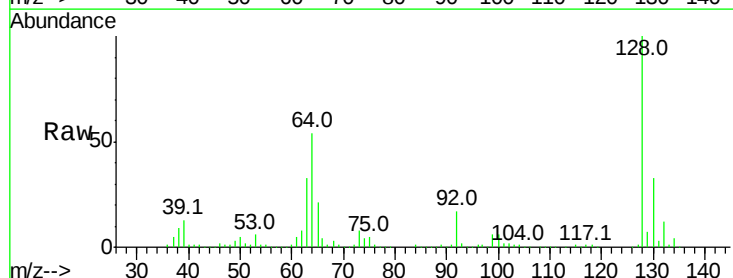
Tgt Ion:128 Resp: 601885

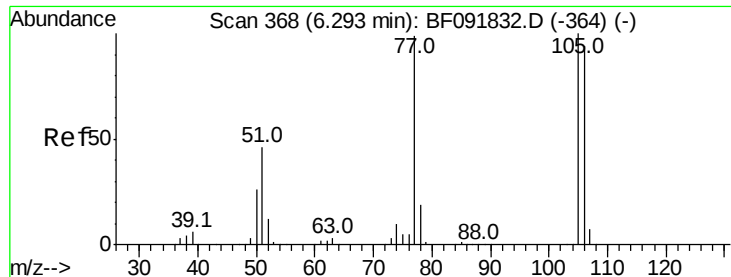
Ion Ratio Lower Upper

128 100

130 32.5 12.3 52.3

64 53.7 32.2 72.2





#9

Benzaldehyde

Concen: 8.36 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

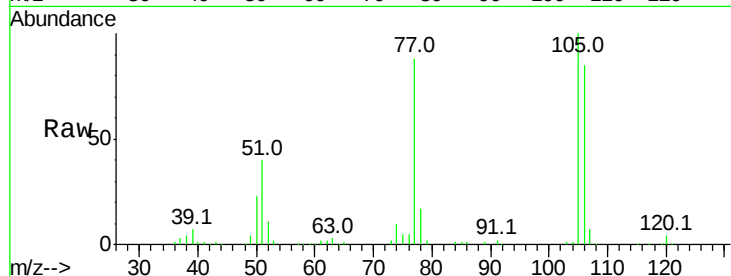
Tot Ion: 77 Resp: 89306

Ion Ratio Lower Upper

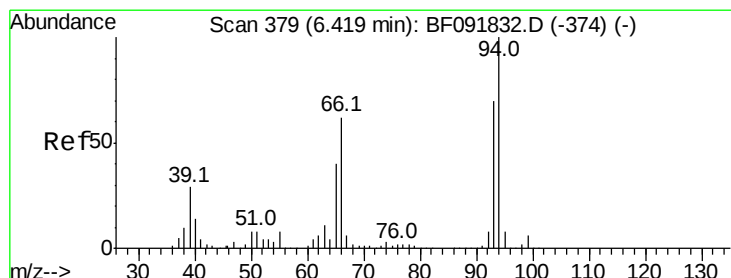
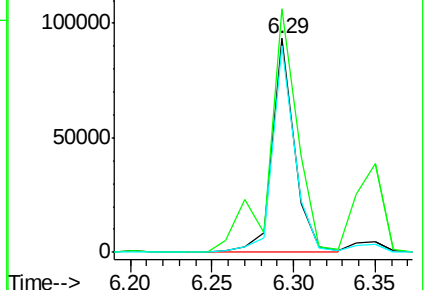
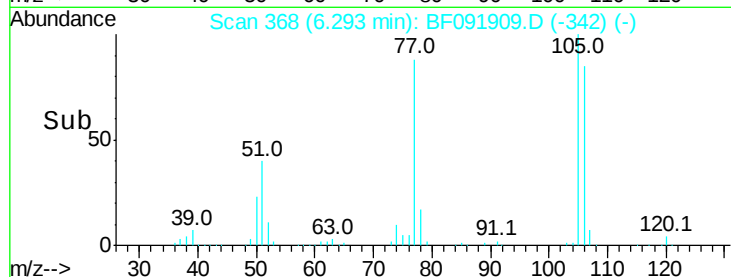
77 100

105 113.8 83.9 123.9

106 96.6 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 44.82 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

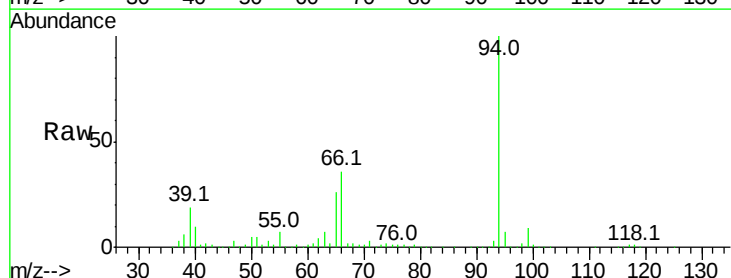
Tgt Ion: 94 Resp: 731926

Ion Ratio Lower Upper

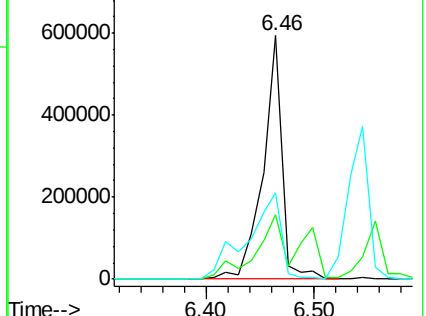
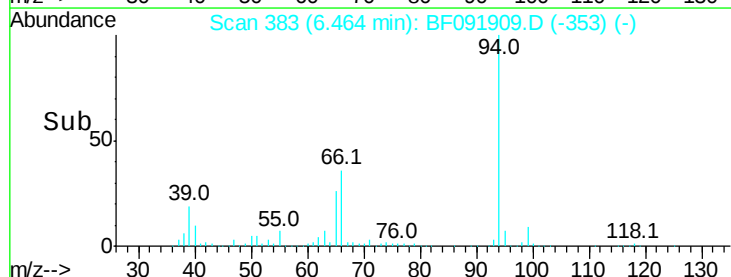
94 100

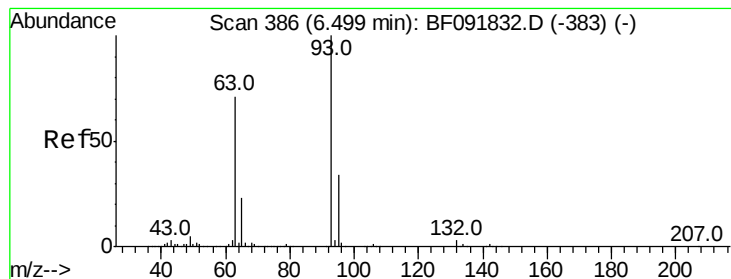
65 26.5 21.4 61.4

66 35.7 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 52.82 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

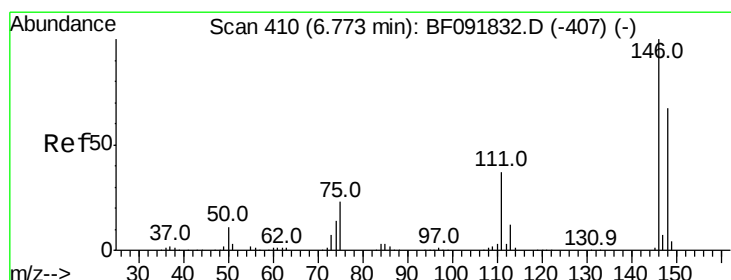
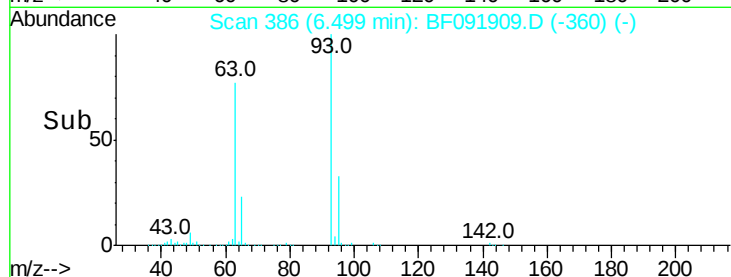
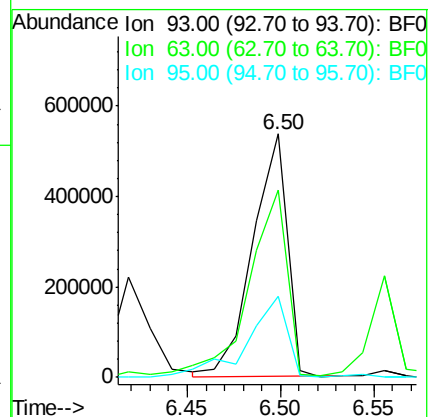
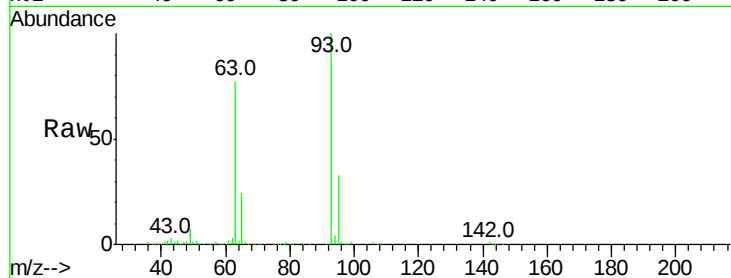
Tot Ion: 93 Resp: 686343

Ion Ratio Lower Upper

93 100

63 76.8 60.4 100.4

95 33.1 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 46.08 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.08 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

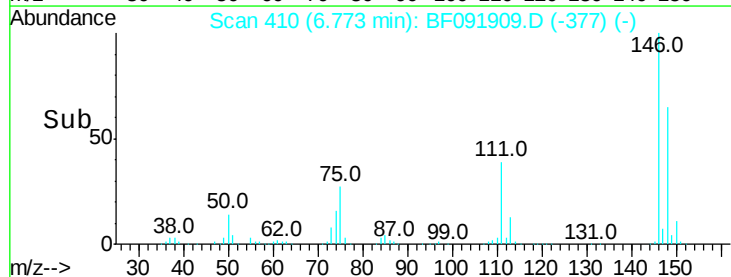
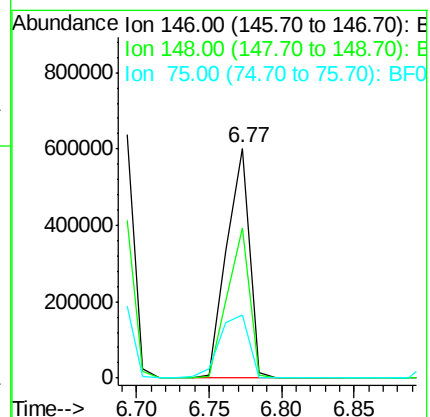
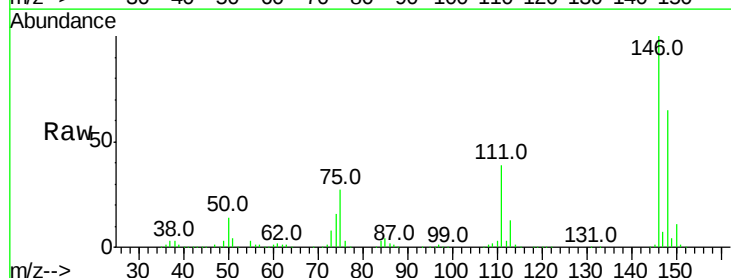
Tgt Ion: 146 Resp: 656754

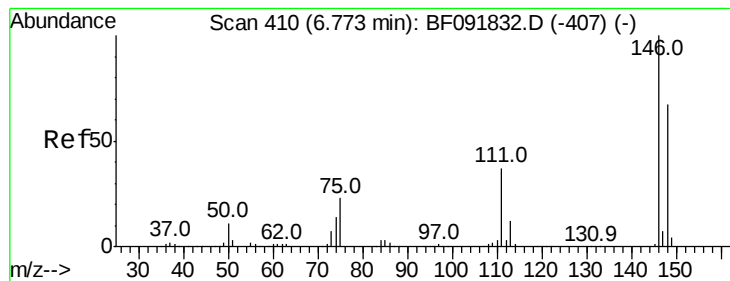
Ion Ratio Lower Upper

146 100

148 65.2 53.4 80.0

75 27.4 18.5 27.7





#13

1,4-Dichlorobenzene

Concen: 45.27 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

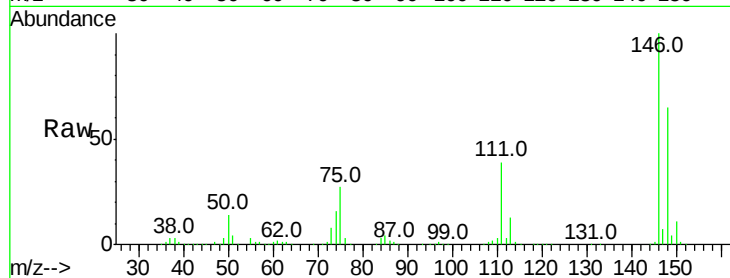
Tot Ion:146 Resp: 656754

Ion Ratio Lower Upper

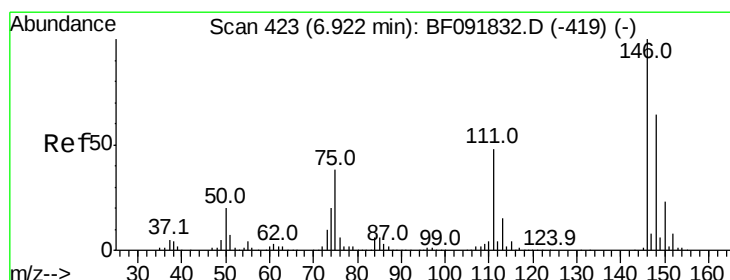
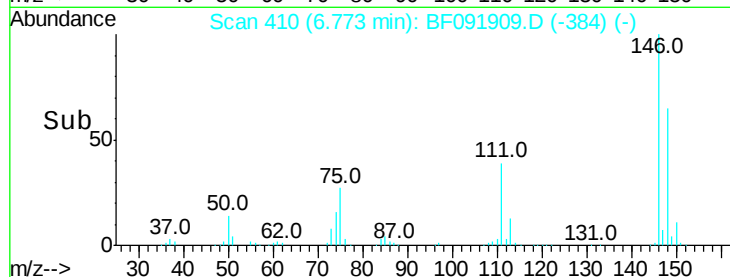
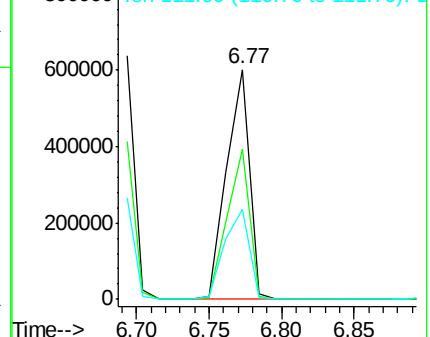
146 100

148 65.2 50.6 76.0

111 39.1 36.2 54.4



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: 42.94 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

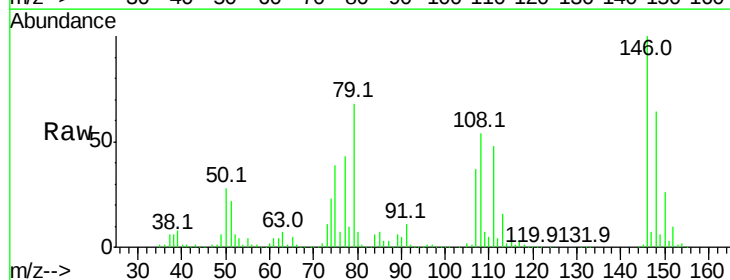
Tgt Ion:146 Resp: 540479

Ion Ratio Lower Upper

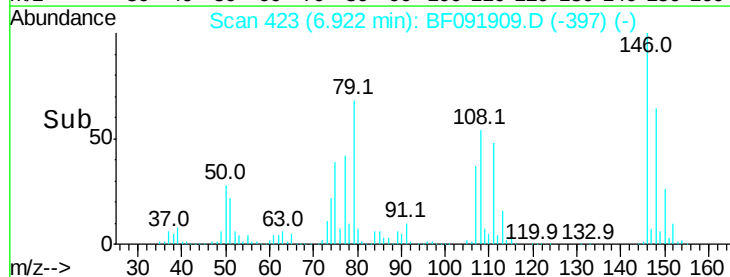
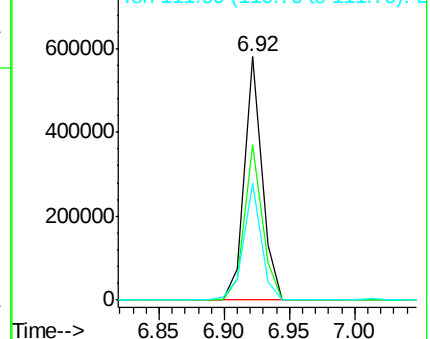
146 100

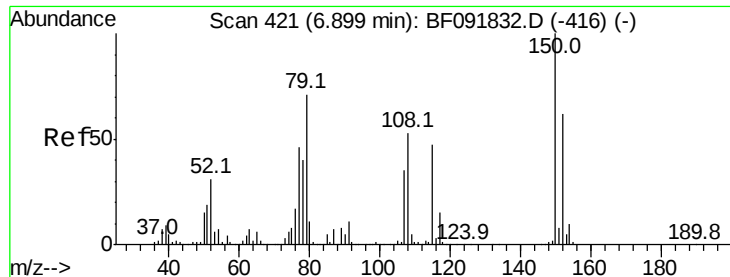
148 63.6 52.2 78.2

111 48.1 36.2 54.2



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: 52.37 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.02 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

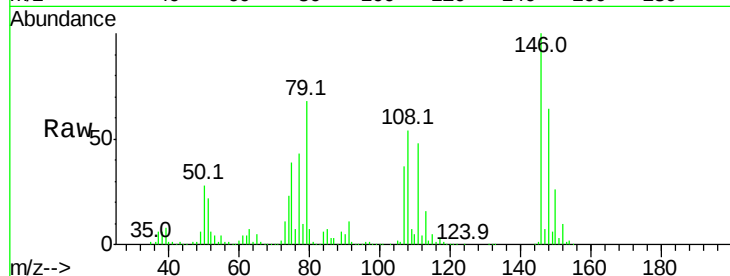
Tot Ion: 79 Resp: 583159

Ion Ratio Lower Upper

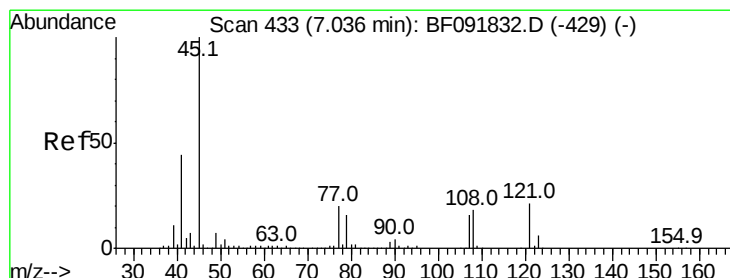
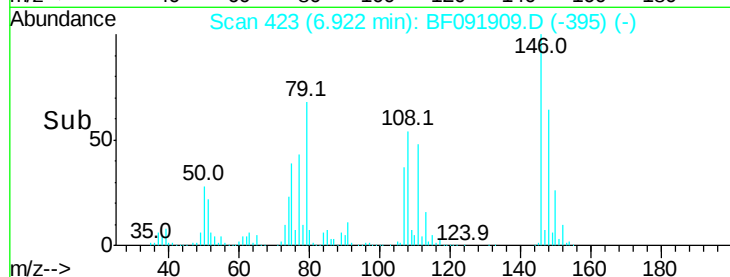
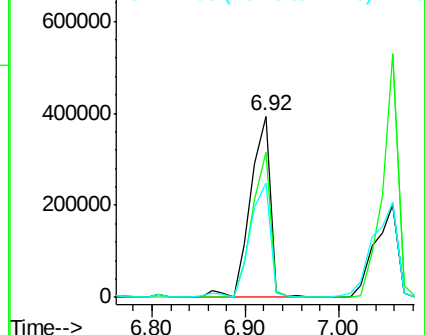
79 100

108 80.2 61.4 92.0

77 62.9 50.9 76.3



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.97 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

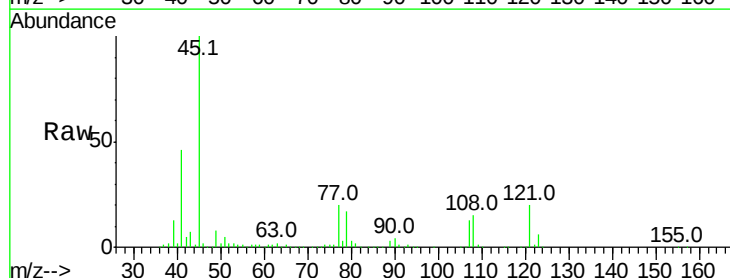
Tgt Ion: 45 Resp: 870103

Ion Ratio Lower Upper

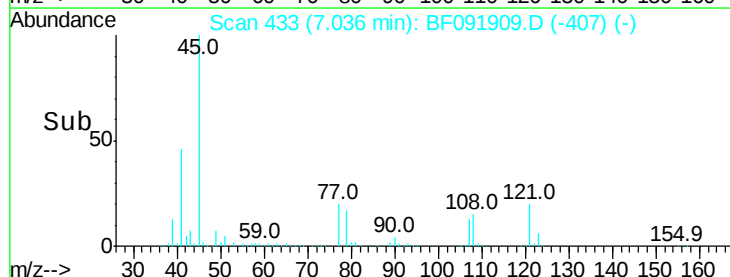
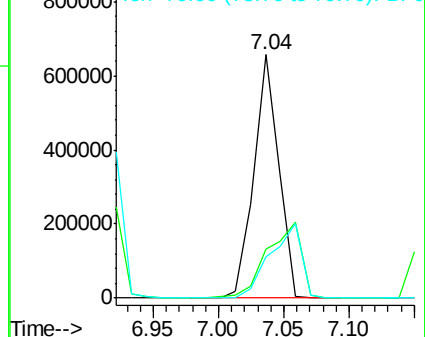
45 100

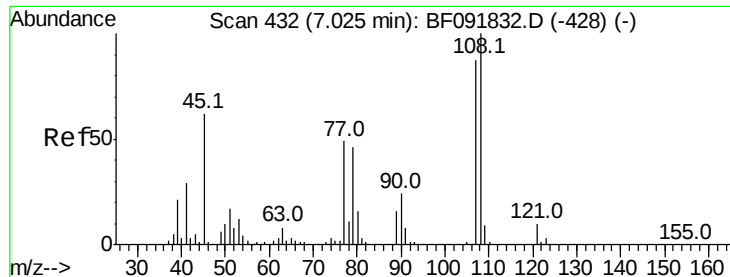
77 20.0 0.0 34.6

79 17.0 0.0 31.2



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

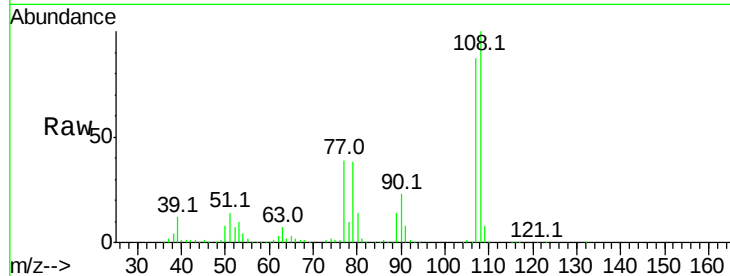




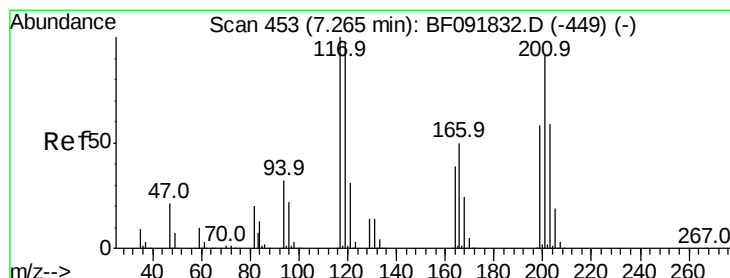
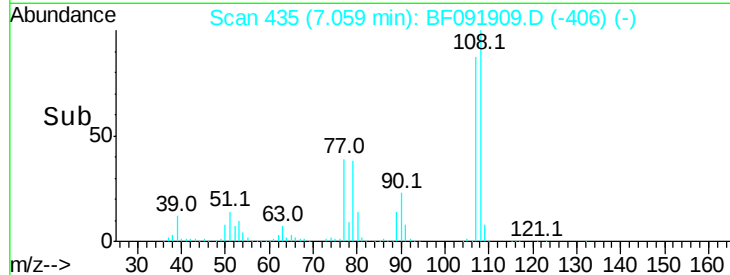
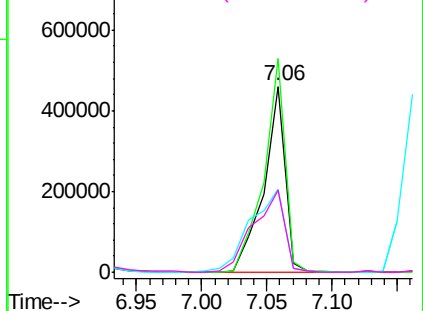
#17
2-Methylphenol
Concen: 49.10 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.03 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.8	93.0	139.6
77	44.6	39.8	59.8
79	43.8	38.0	57.0

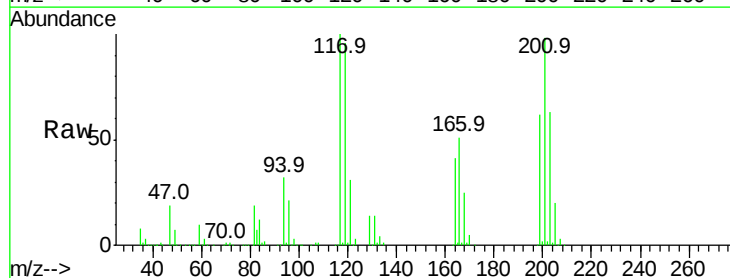


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

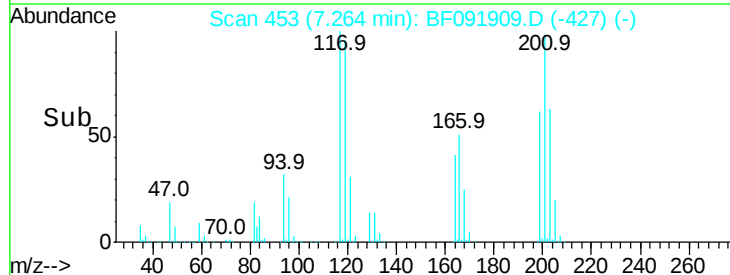
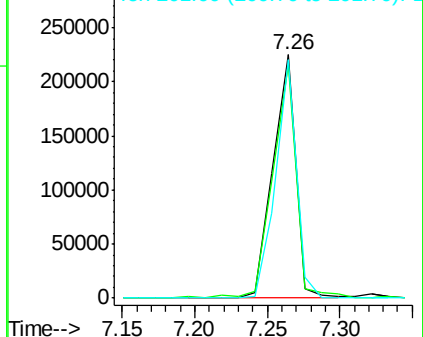


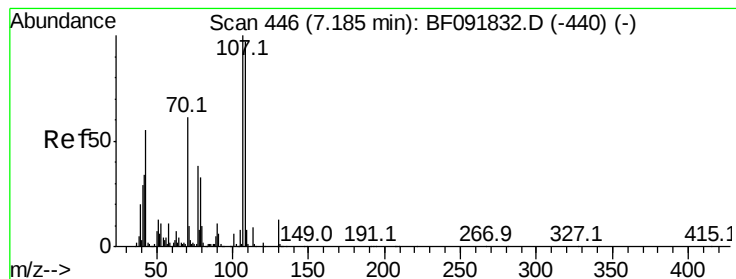
#18
Hexachloroethane
Concen: 45.85 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.1	117.1
201	98.1	78.6	117.8



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: 51.45 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 490511

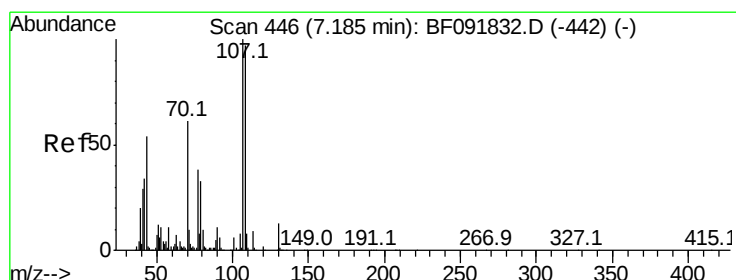
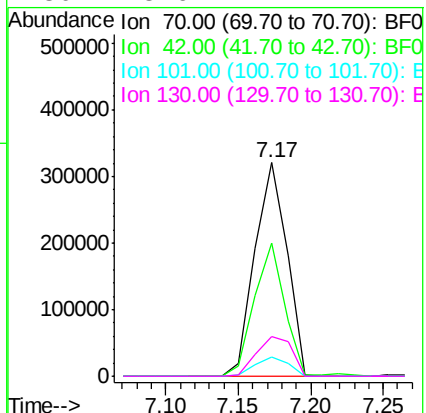
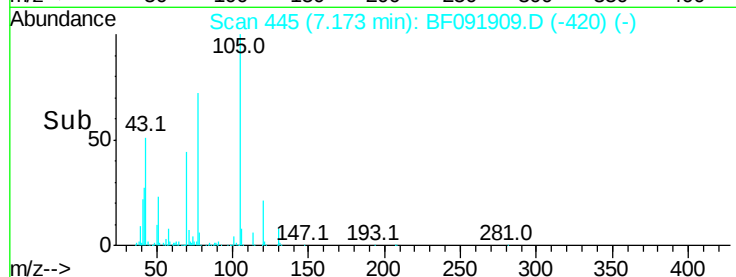
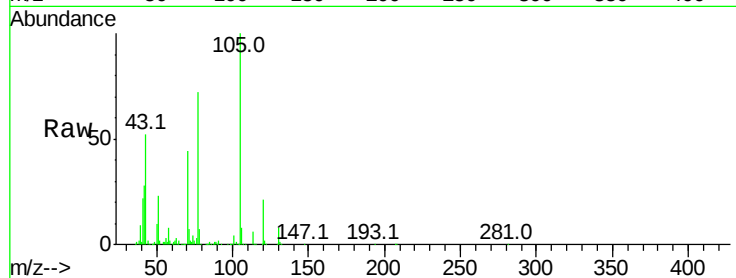
Ion Ratio Lower Upper

70 100

42 62.3 49.4 74.0

101 9.1 7.4 11.2

130 18.6 14.2 21.4



#20

3+4-Methylphenols

Concen: 54.71 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.03 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Tgt Ion:107 Resp: 700719

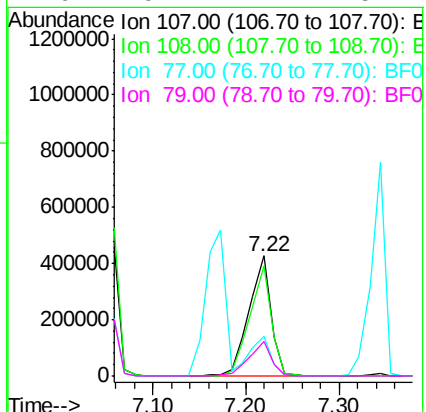
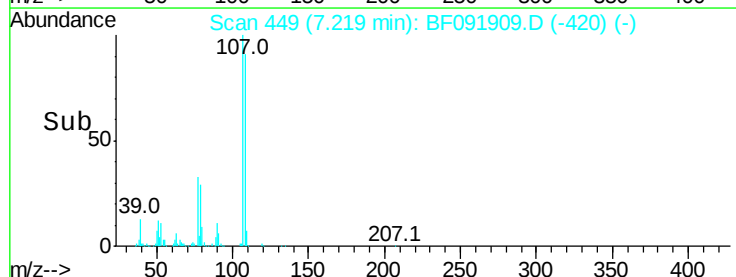
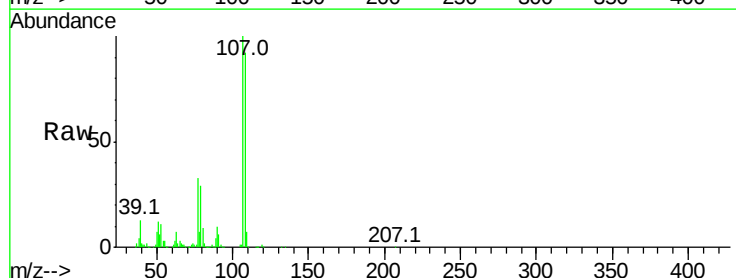
Ion Ratio Lower Upper

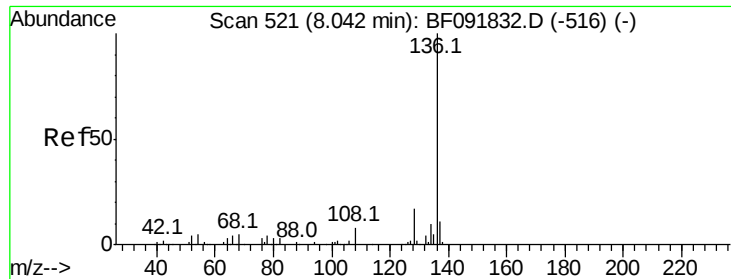
107 100

108 91.5 73.0 113.0

77 33.2 71.3 111.3#

79 29.2 11.1 51.1

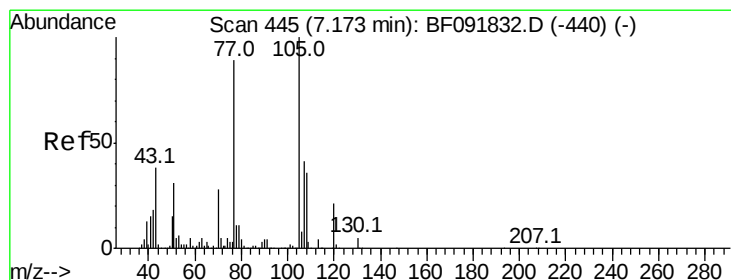
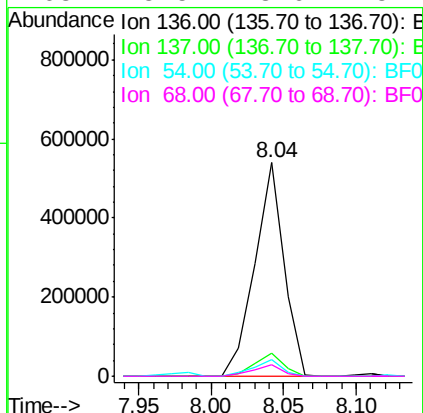
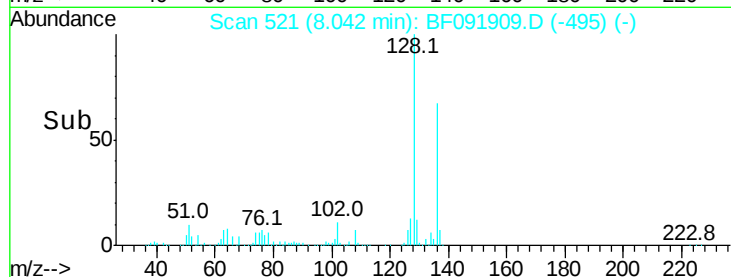
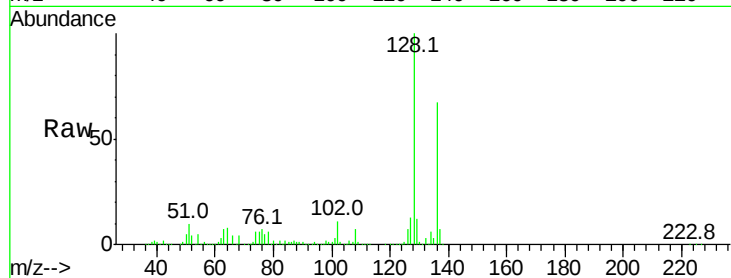




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

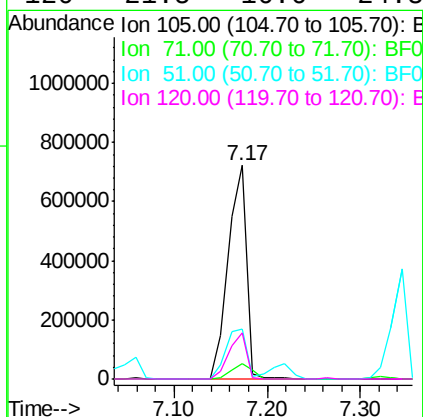
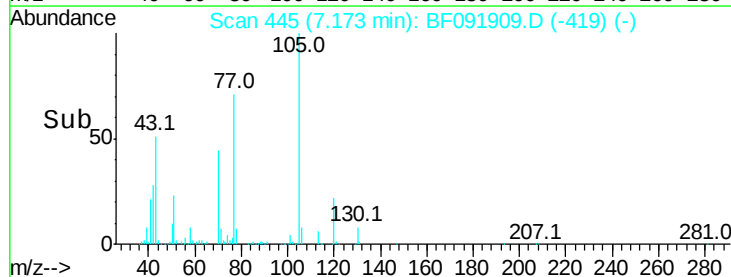
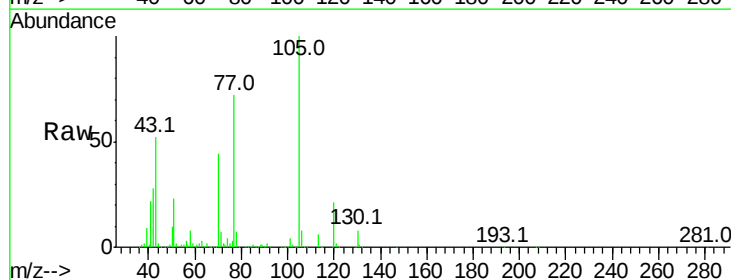
Instrument :
BNA_F
ClientSampleId :

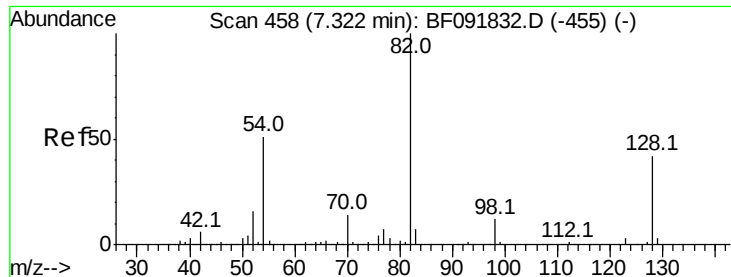
Tot Ion:136	Resp:	755992
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.4	12.6
54 7.6	4.5	6.7#
68 5.5	3.6	5.4#



#22
Acetophenone
Concen: 53.34 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion:105	Resp:	994537
Ion Ratio	Lower	Upper
105 100		
71 7.3	3.2	4.8#
51 23.4	26.2	39.4#
120 21.5	16.6	24.8





#23

Nitrobenzene-d5

Concen: 99.54 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

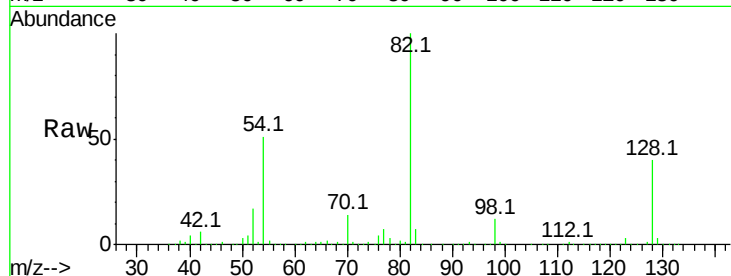
Tot Ion: 82 Resp: 1353338

Ion Ratio Lower Upper

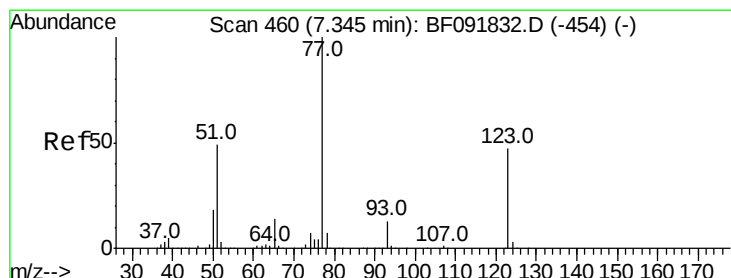
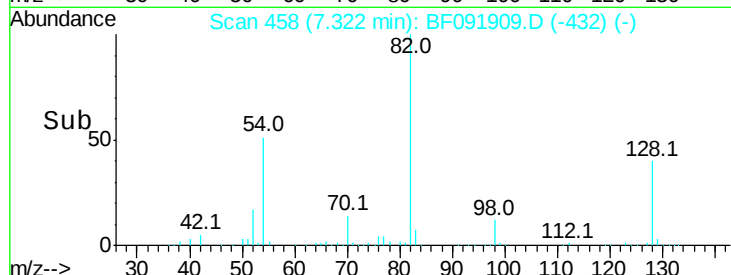
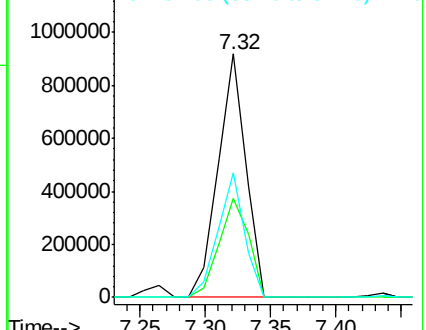
82 100

128 40.4 34.6 52.0

54 51.0 39.5 59.3



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: 54.71 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

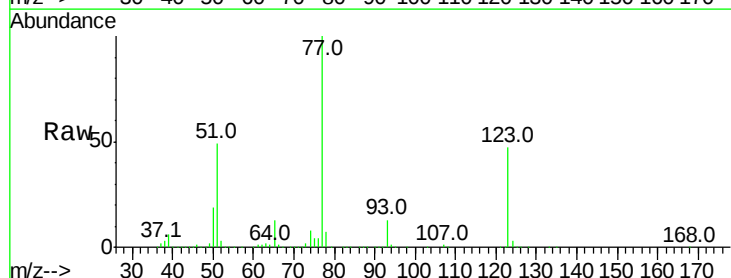
Tgt Ion: 77 Resp: 792270

Ion Ratio Lower Upper

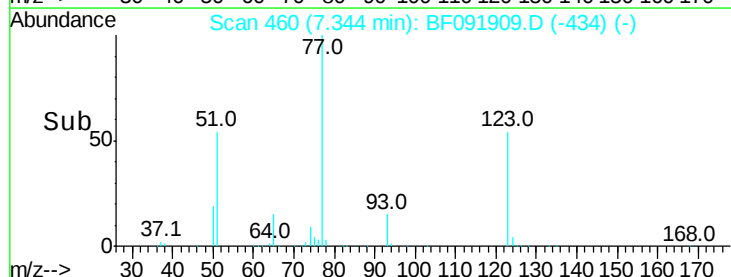
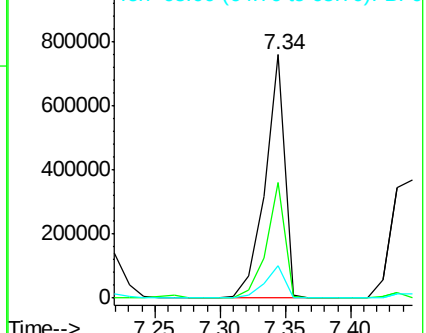
77 100

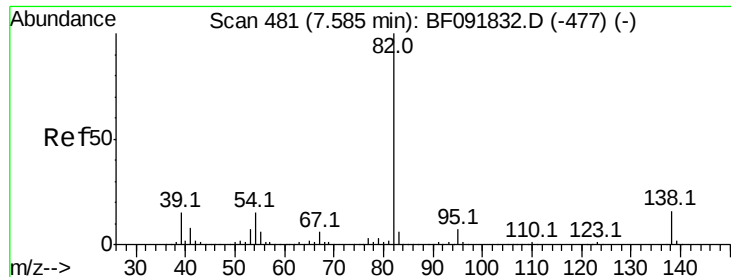
123 47.3 33.0 49.4

65 13.5 11.2 16.8



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





#25

Isophorone

Concen: 51.11 ng

RT: 7.58 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

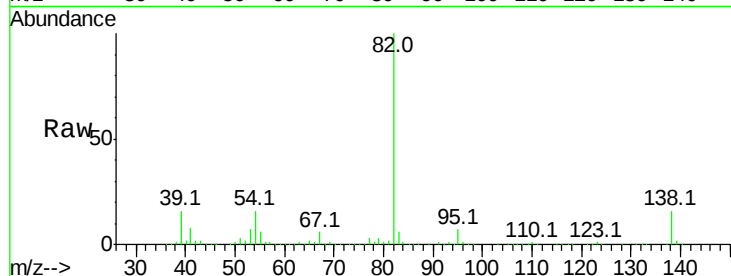
Tot Ion: 82 Resp: 1281941

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

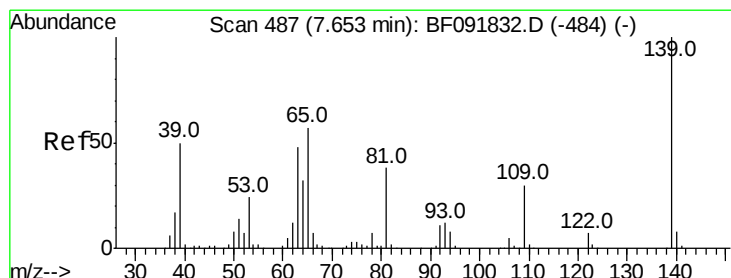
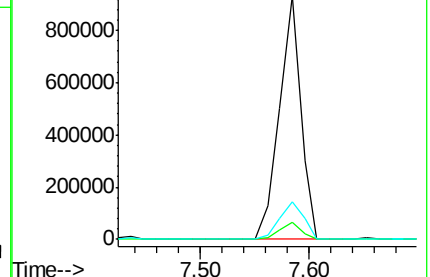
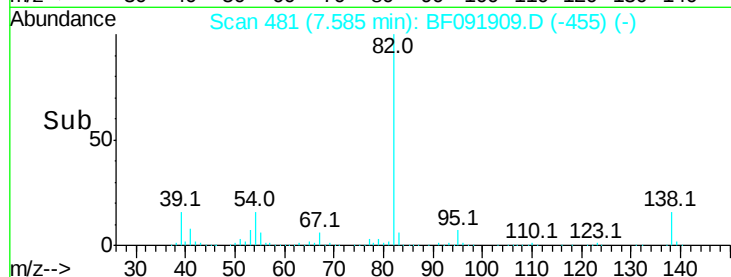
138 15.6 14.6 22.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 43.14 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

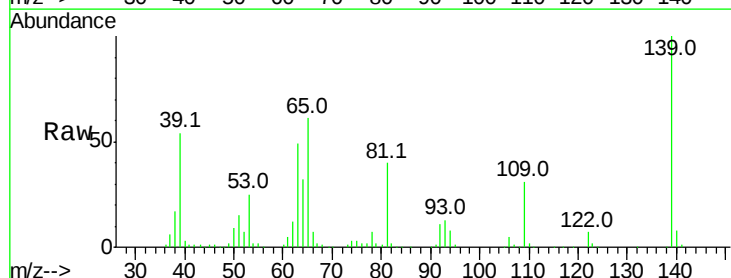
Tgt Ion:139 Resp: 308071

Ion Ratio Lower Upper

139 100

109 30.9 23.3 34.9

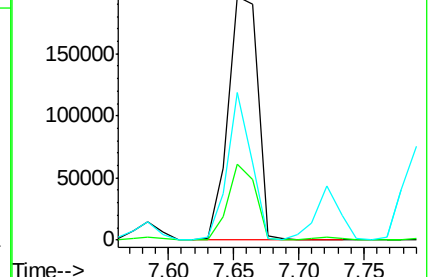
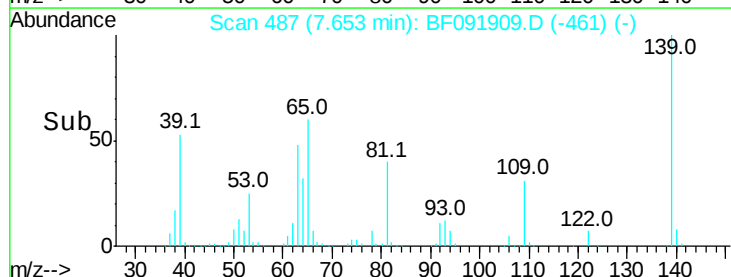
65 60.7 42.7 64.1

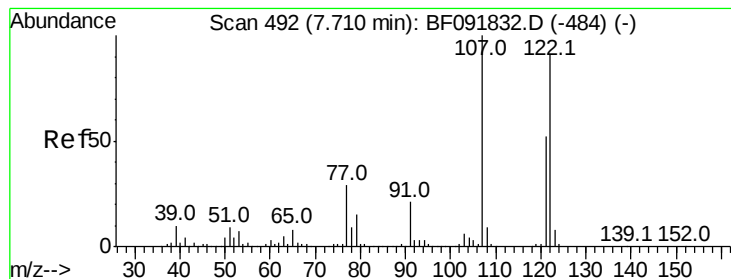


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 46.90 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :
BNA_F
ClientSampleId :

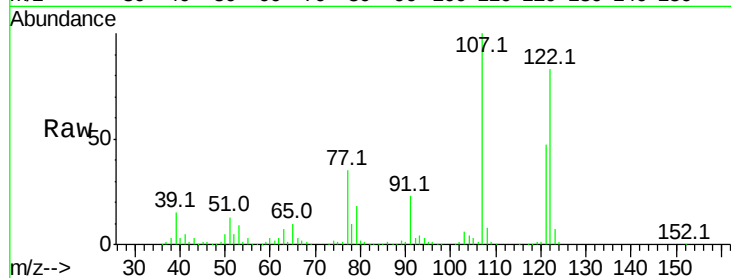
Tot Ion:122 Resp: 555482

Ion Ratio Lower Upper

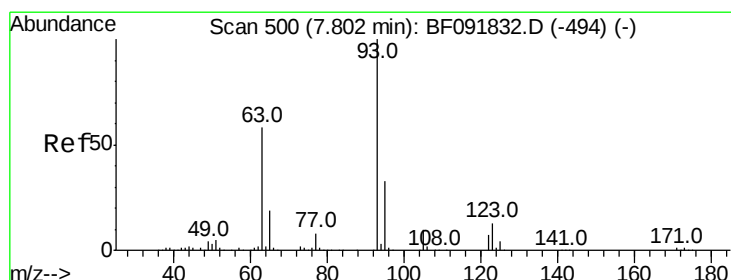
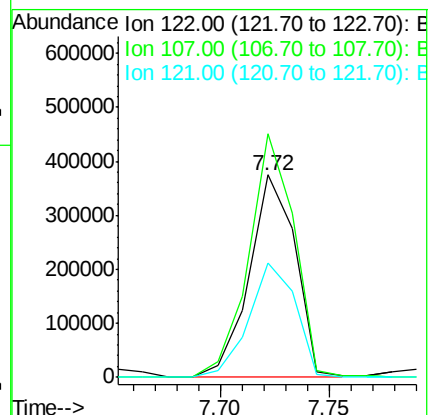
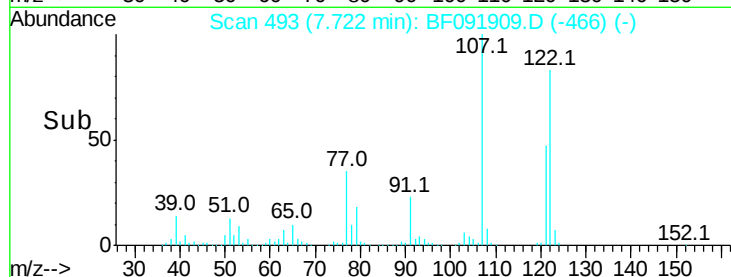
122 100

107 120.5 94.1 141.1

121 56.9 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 56.67 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

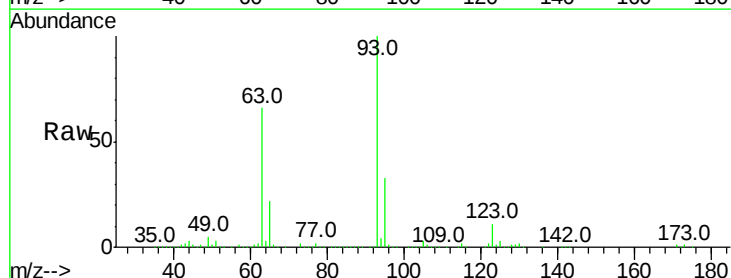
Tgt Ion: 93 Resp: 861989

Ion Ratio Lower Upper

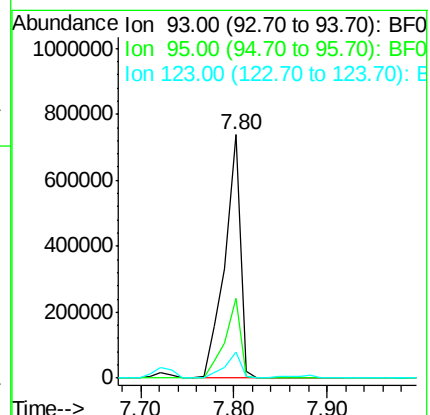
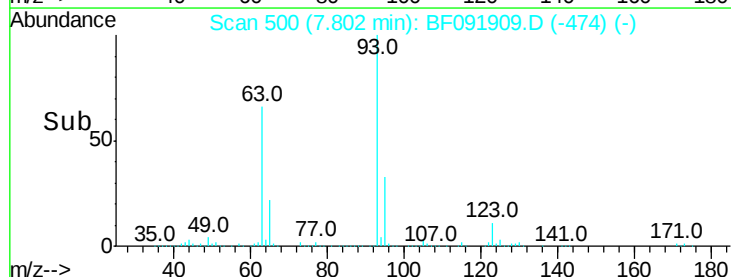
93 100

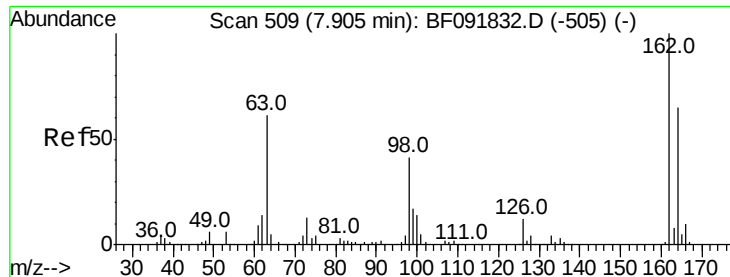
95 32.9 26.5 39.7

123 10.7 8.6 13.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E

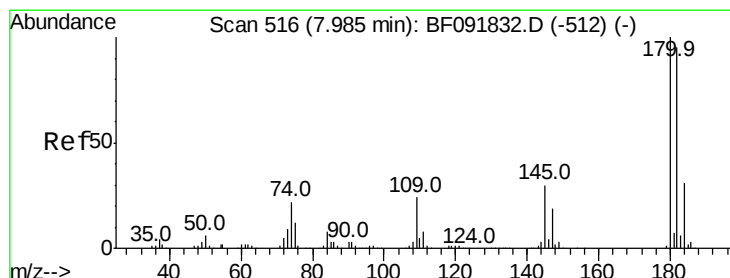
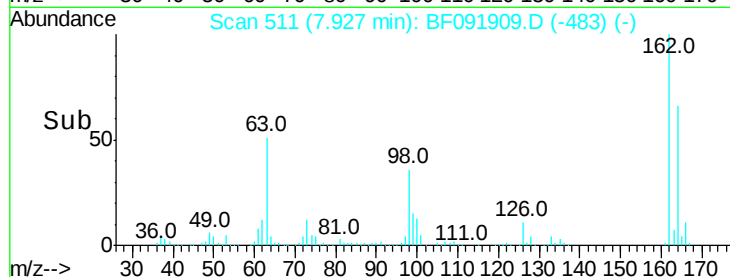
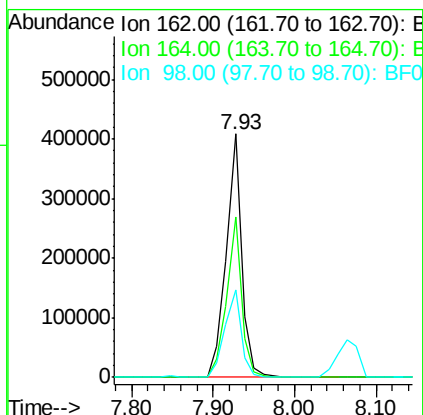
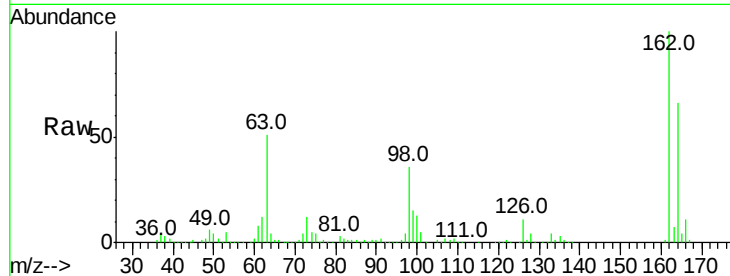




#29
 2,4-Dichlorophenol
 Concen: 53.43 ng
 RT: 7.93 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

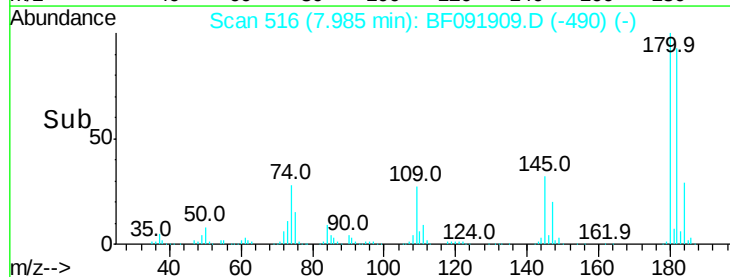
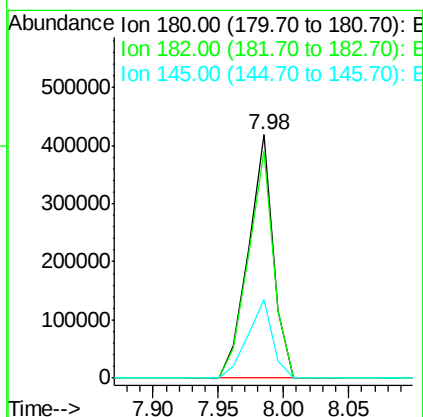
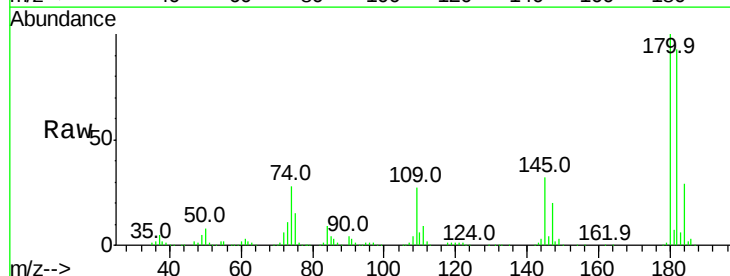
Instrument :
 BNA_F
 ClientSampleId :

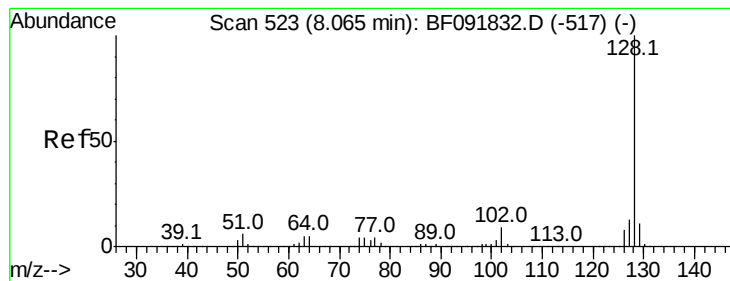
Tot Ion:162 Resp: 535834
 Ion Ratio Lower Upper
 162 100
 164 65.7 46.8 86.8
 98 36.0 9.1 49.1



#30
 1,2,4-Trichlorobenzene
 Concen: 50.67 ng
 RT: 7.98 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:180 Resp: 556868
 Ion Ratio Lower Upper
 180 100
 182 93.2 78.2 117.4
 145 32.3 21.6 32.4





#31

Naphthalene

Concen: 210.17 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

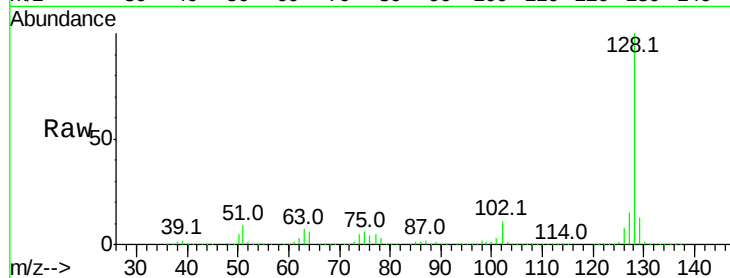
Instrument :

BNA_F

ClientSampleId :

Tot Ion:128 Resp: 7271927

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.5	14.3
127	14.8	10.8	16.2

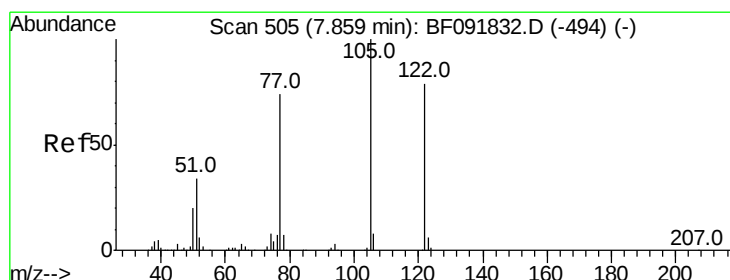
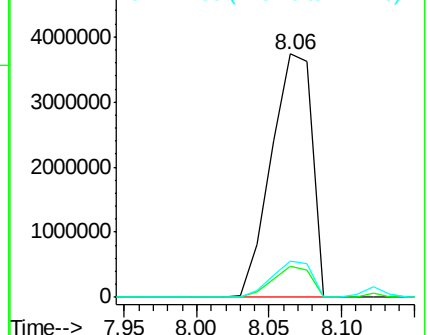
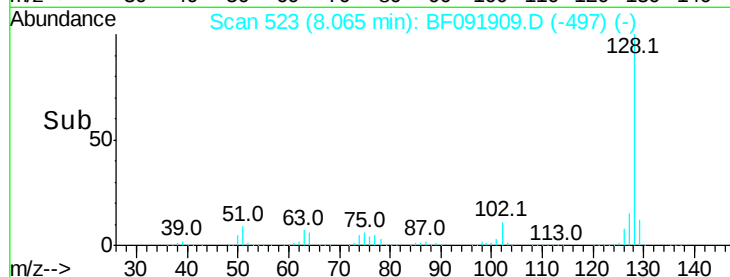


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 24.98 ng

RT: 7.88 min Scan# 507

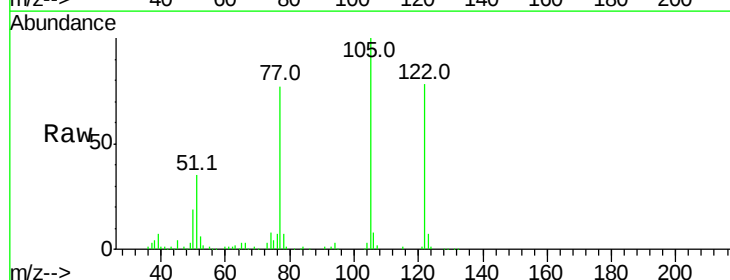
Delta R.T. 0.02 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Tgt Ion:122 Resp: 219429

Ion	Ratio	Lower	Upper
122	100		
105	127.4	107.2	147.2
77	97.6	74.5	114.5

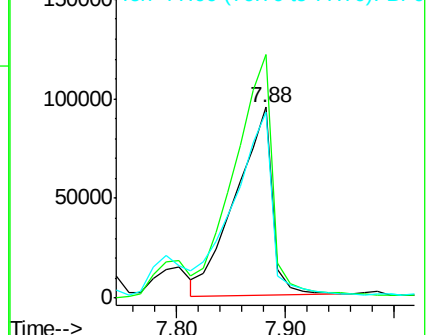
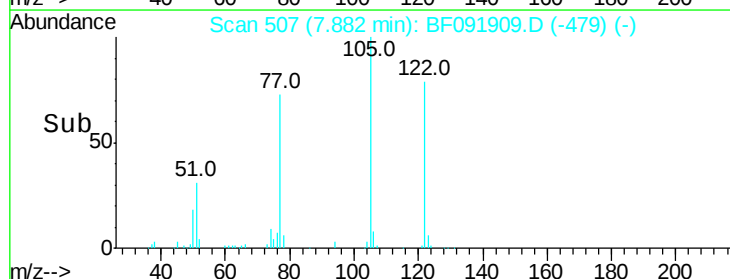


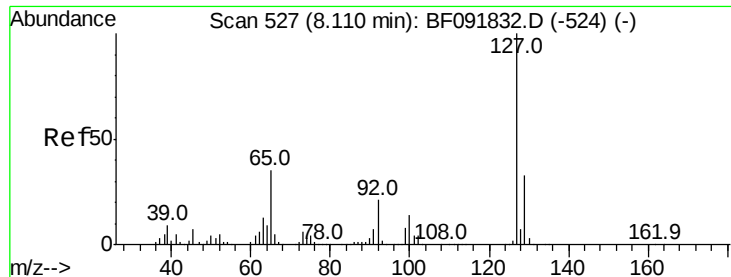
Abundance

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

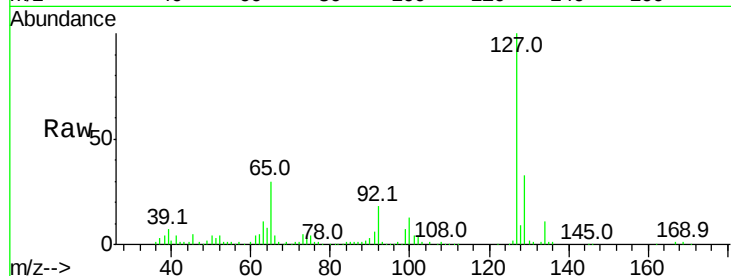




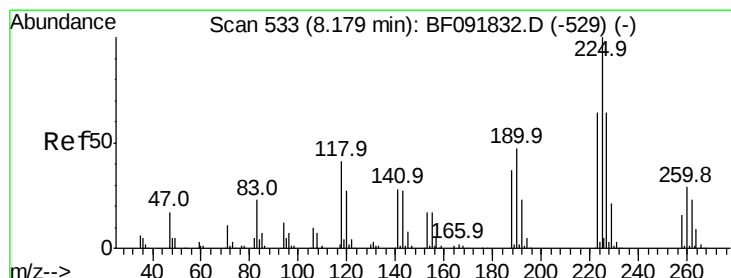
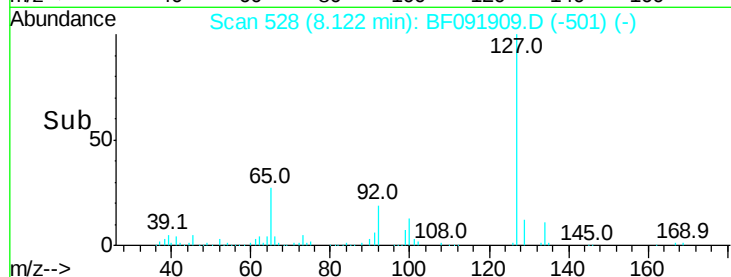
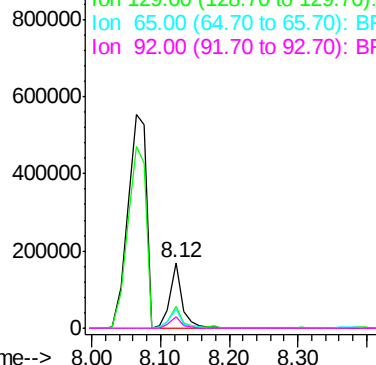
#33
4-Chloroaniline
Concen: 13.06 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	203696
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.3	39.5
65	29.7	25.8	38.8
92	18.5	16.1	24.1

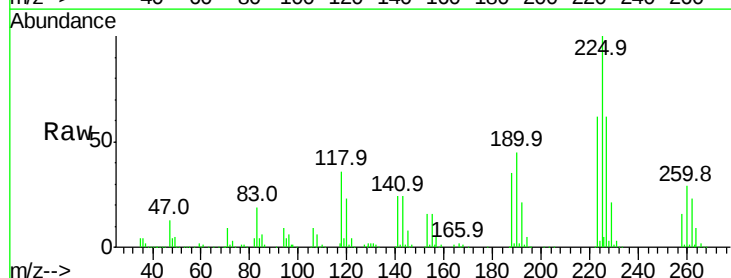


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

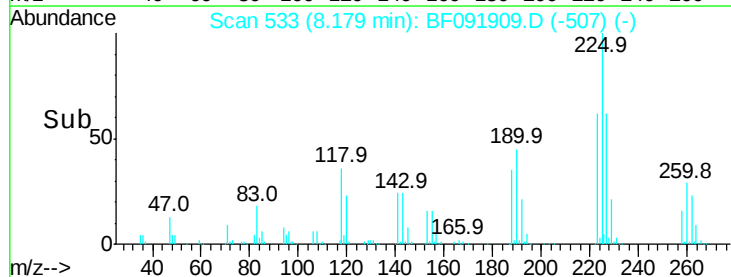
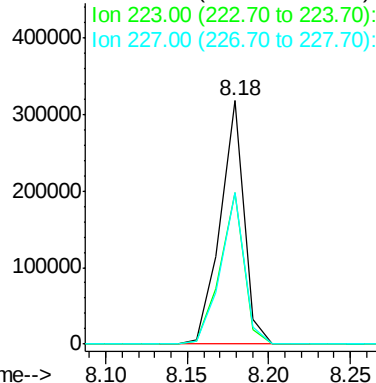


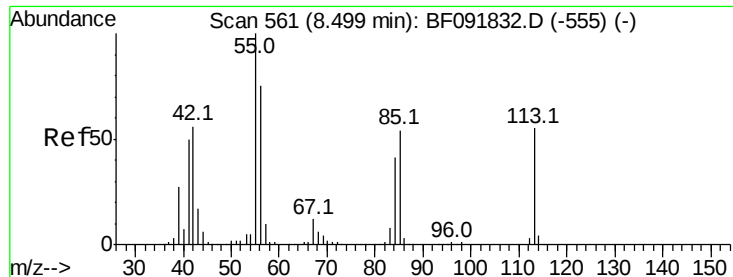
#34
Hexachlorobutadiene
Concen: 55.67 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion:	225	Resp:	322972
Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.0	76.6
227	62.2	50.6	76.0



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: 33.59 ng

RT: 8.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampled :

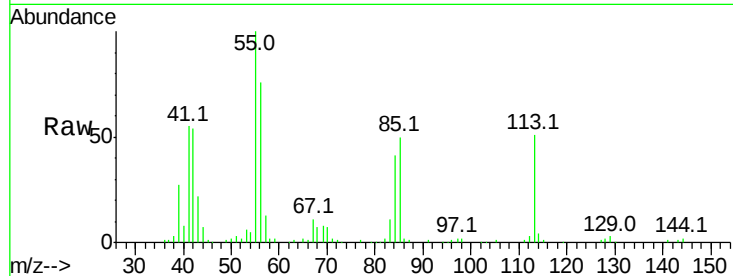
Tot Ion:113 Resp: 110703

Ion Ratio Lower Upper

113 100

55 197.6 119.2 159.2#

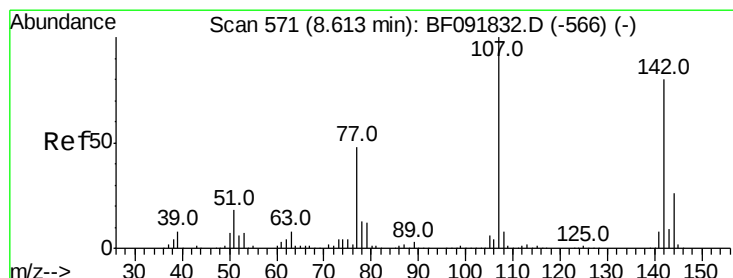
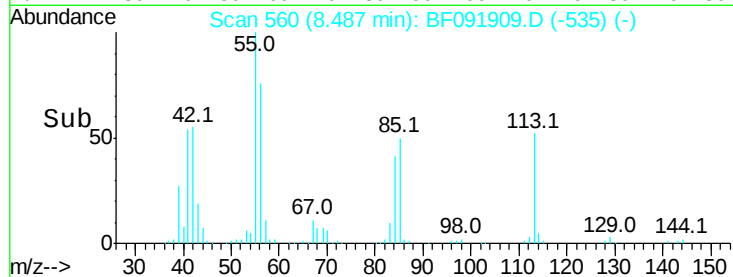
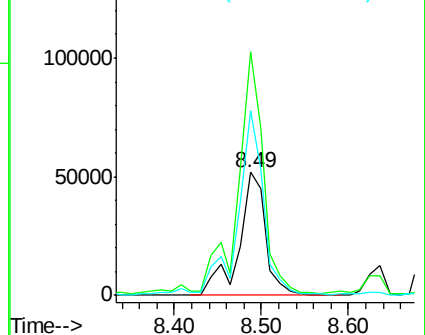
56 150.1 83.8 123.8#



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: 48.45 ng

RT: 8.64 min Scan# 573

Delta R.T. 0.02 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

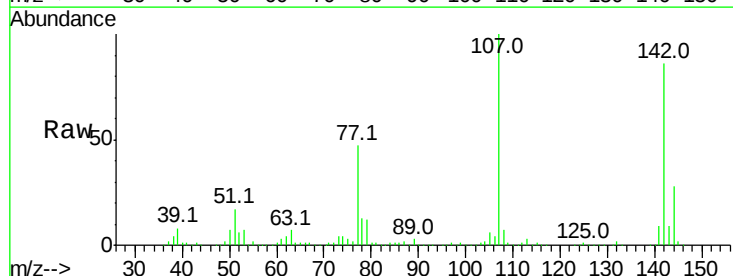
Tgt Ion:107 Resp: 559169

Ion Ratio Lower Upper

107 100

144 28.0 19.3 28.9

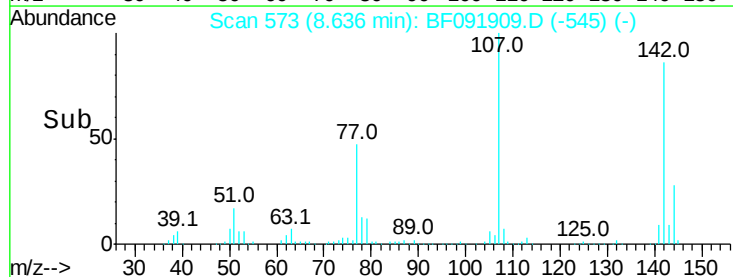
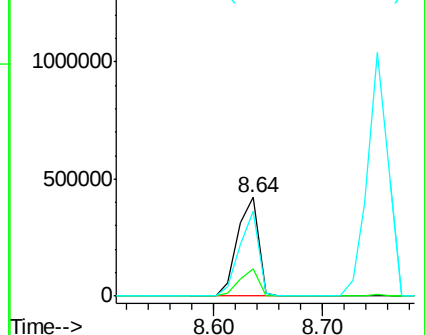
142 86.1 59.0 88.6

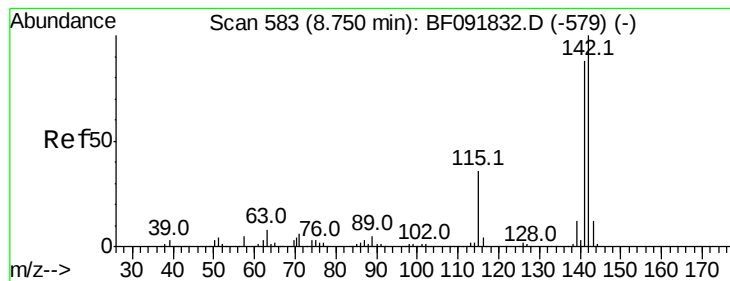


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

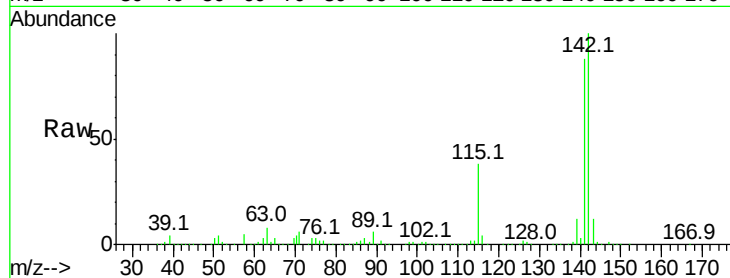




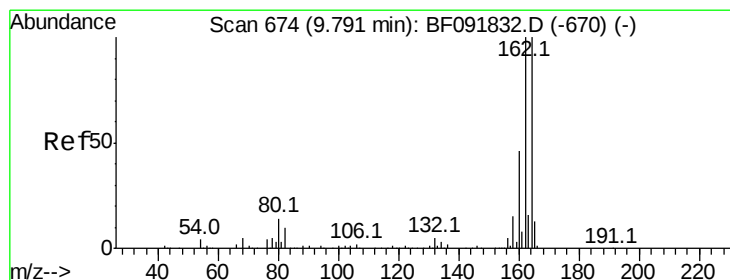
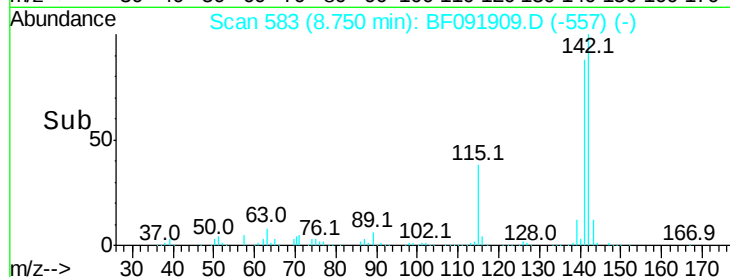
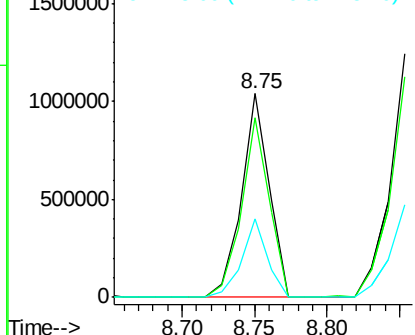
#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 1370416
Ion Ratio Lower Upper
142 100
141 88.0 71.0 106.6
115 38.3 28.3 42.5

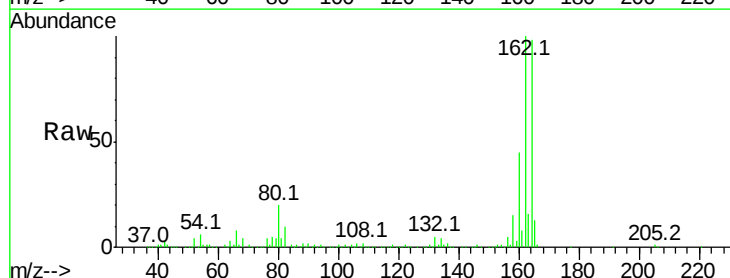


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

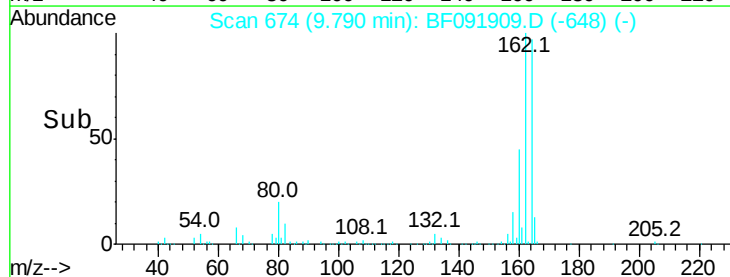
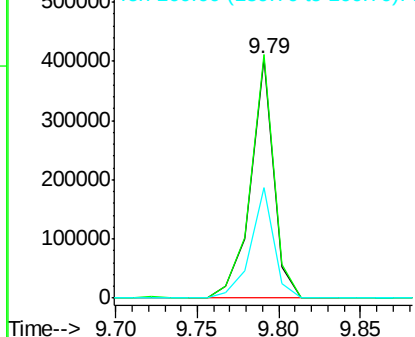


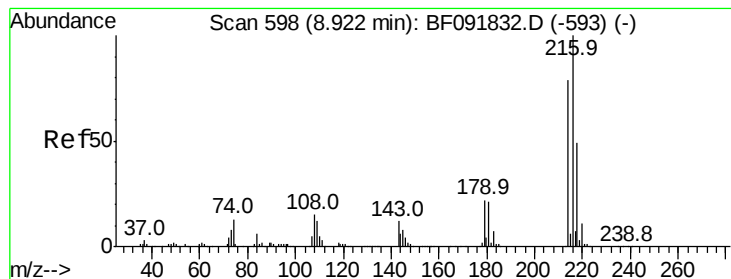
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion:164 Resp: 398332
Ion Ratio Lower Upper
164 100
162 101.6 80.2 120.2
160 45.9 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 52.89 ng

RT: 8.92 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:216 Resp: 532242

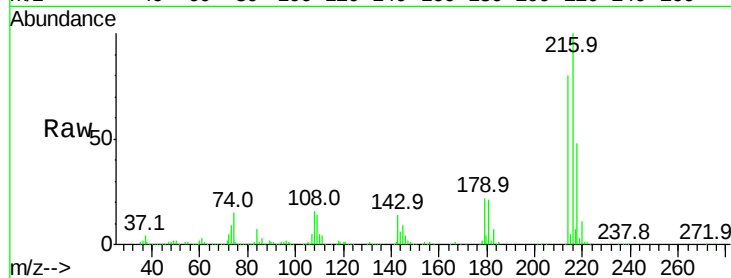
Ion Ratio Lower Upper

216 100

214 80.0 63.4 95.0

179 23.1 17.4 26.2

108 21.2 15.6 23.4

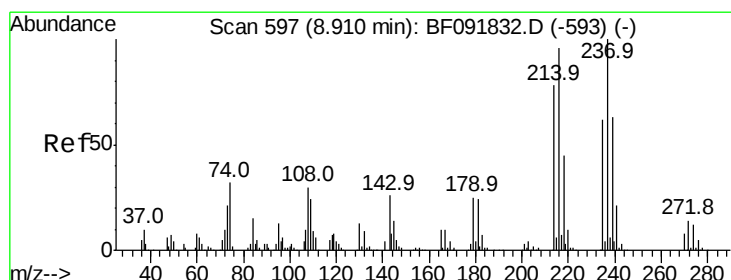
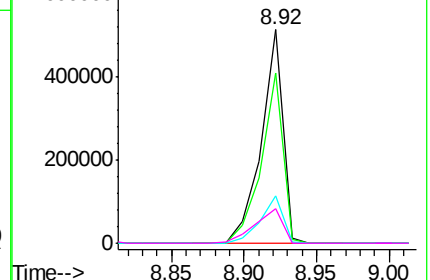
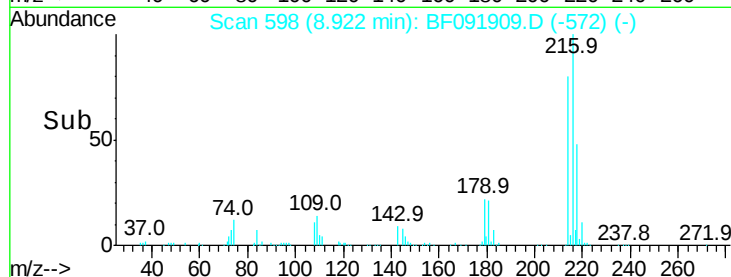


Abundance Ion 216.00 (215.70 to 216.70): E

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: 66.51 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

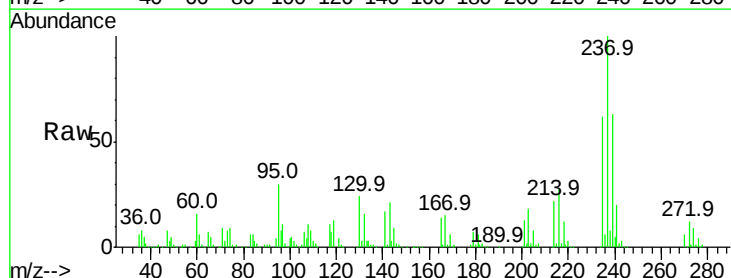
Tgt Ion:237 Resp: 294925

Ion Ratio Lower Upper

237 100

235 62.1 41.2 81.2

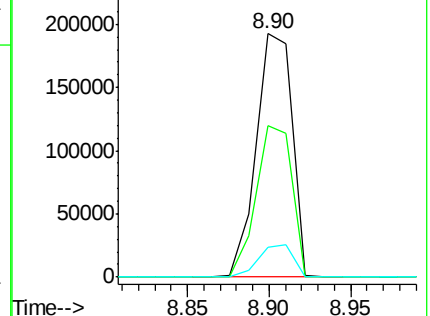
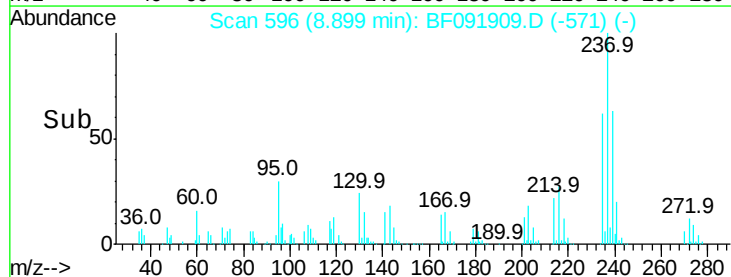
272 12.1 0.0 35.4

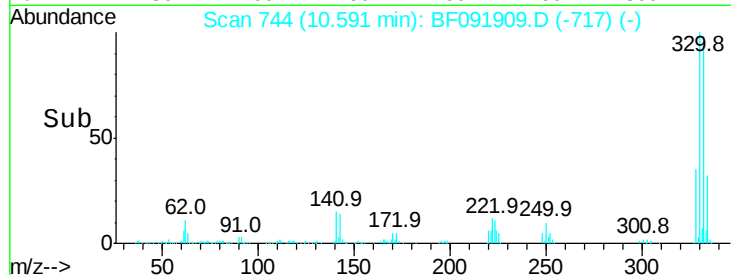
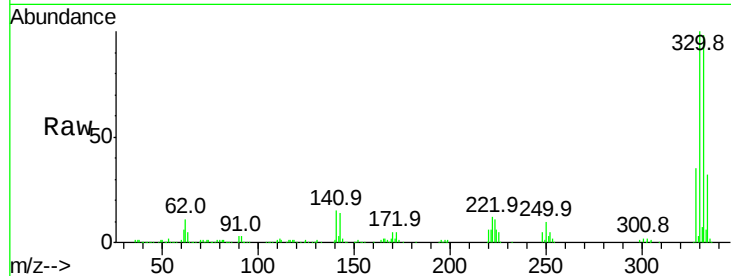
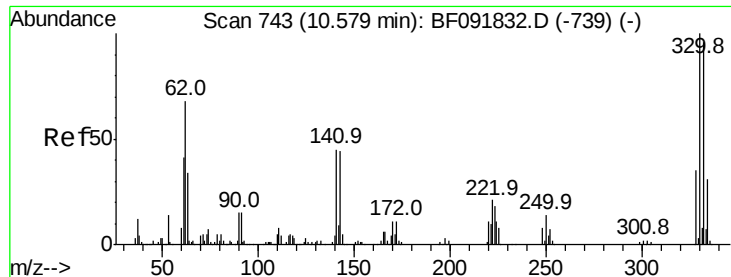


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

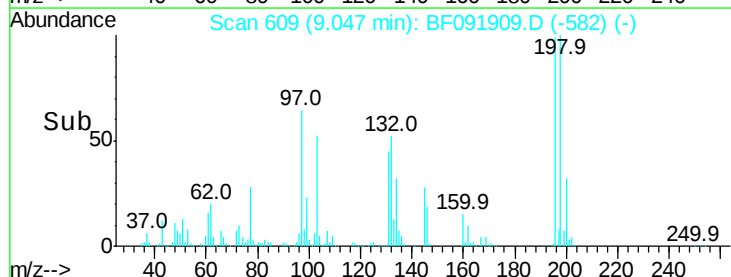
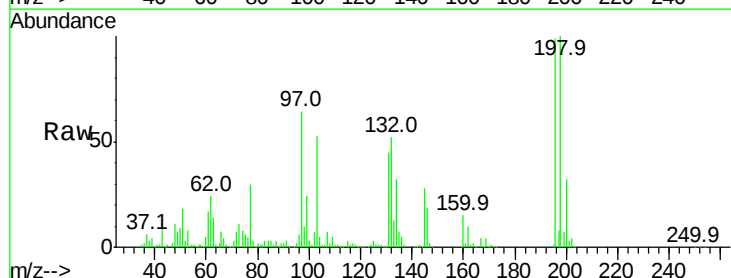
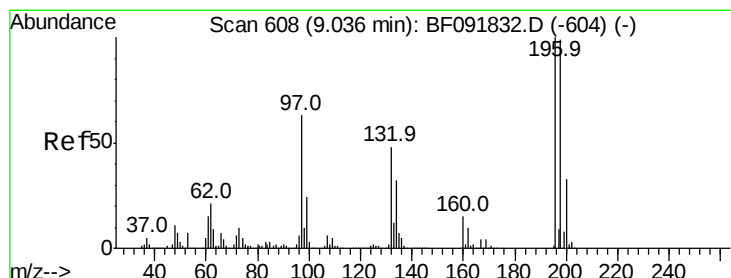
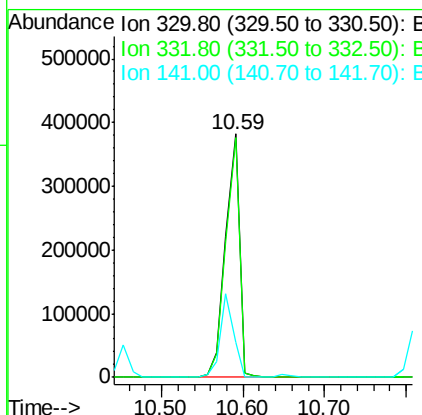




#41
 2,4,6-Tribromophenol
 Concen: 138.16 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

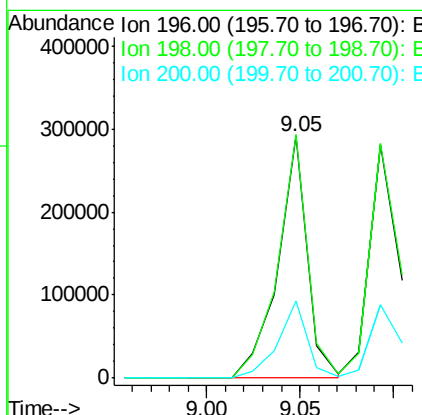
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 455443
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 33.2 34.1 51.1#



#42
 2,4,6-Trichlorophenol
 Concen: 45.50 ng
 RT: 9.05 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:196 Resp: 320265
 Ion Ratio Lower Upper
 196 100
 198 100.6 82.1 123.1
 200 32.2 27.0 40.4

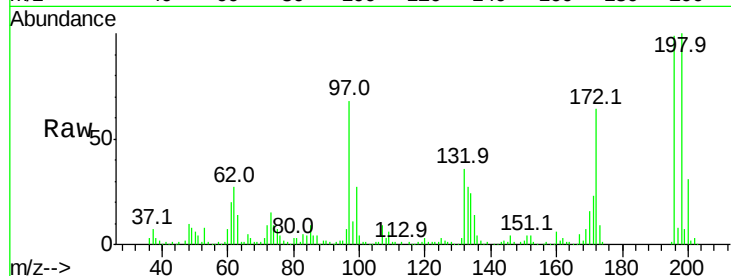




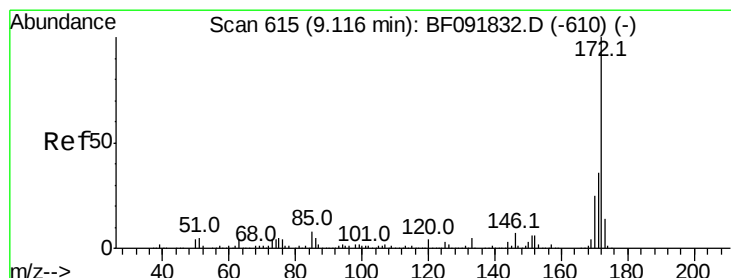
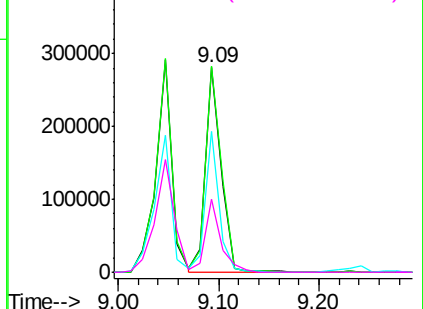
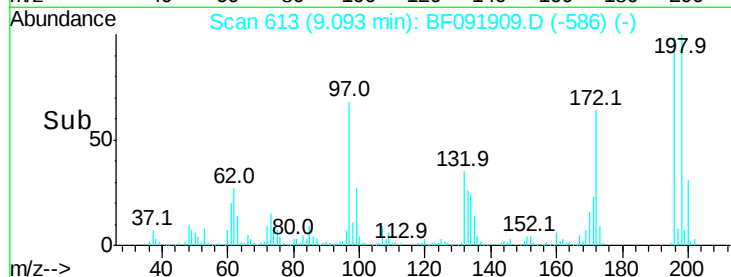
#43
 2,4,5-Trichlorophenol
 Concen: 41.90 ng
 RT: 9.09 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	196	Resp:	303477
Ion	Ratio	Lower	Upper
196	100		
198	100.7	79.4	119.2
97	68.6	51.5	77.3
132	35.8	27.4	41.2

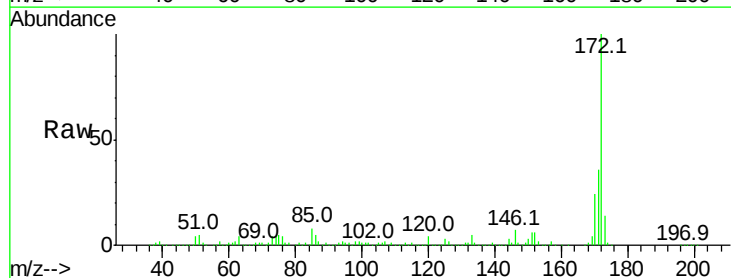


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

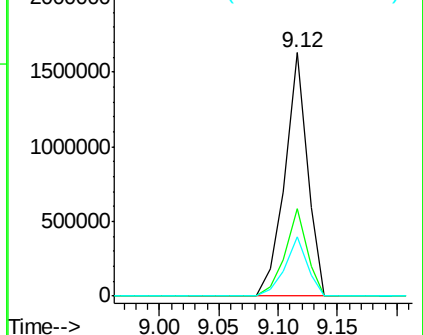
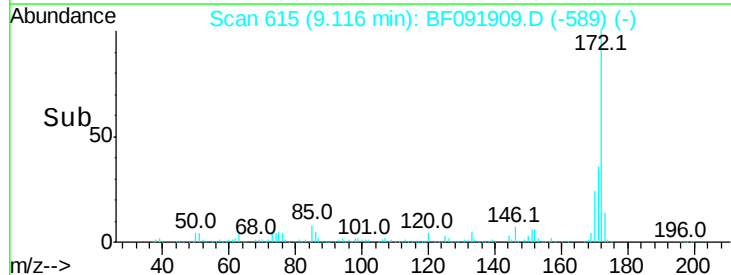


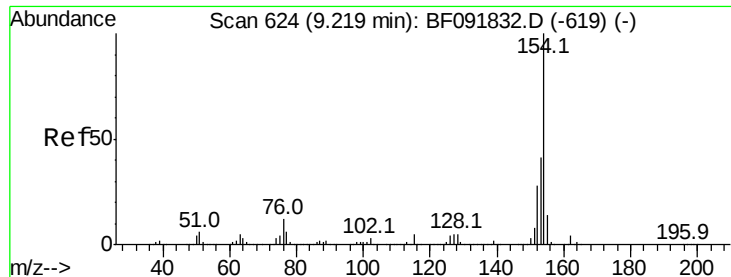
#44
 2-Fluorobiphenyl
 Concen: 114.05 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:	172	Resp:	2131495
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.4	20.2	30.4



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

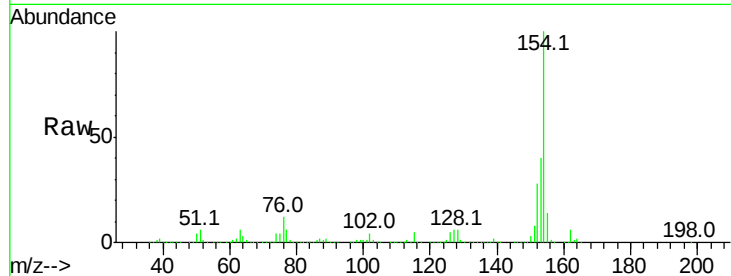




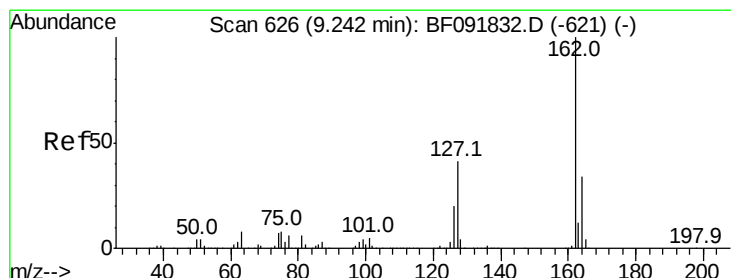
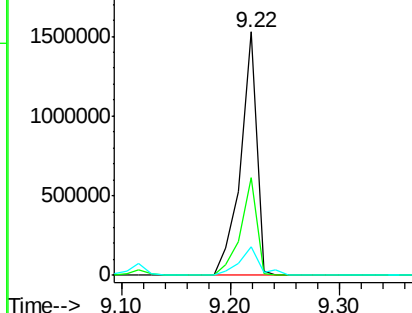
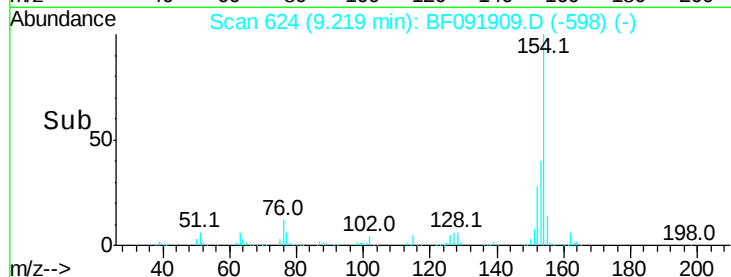
#45
 1,1'-Biphenyl
 Concen: 56.88 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 1551333
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.9 60.9
 76 11.9 0.0 30.5

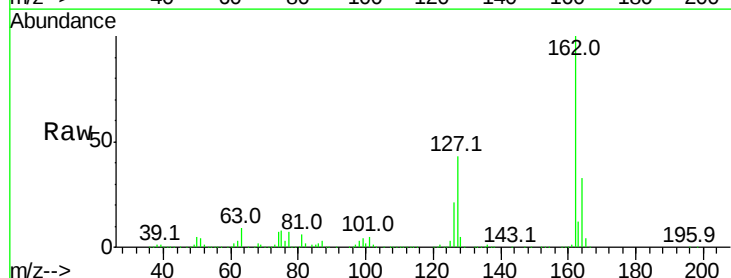


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

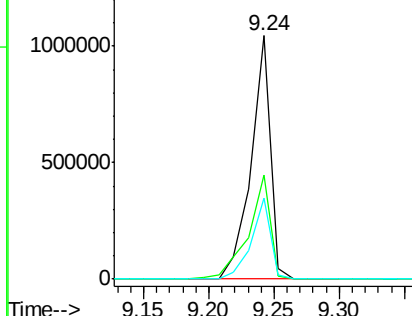
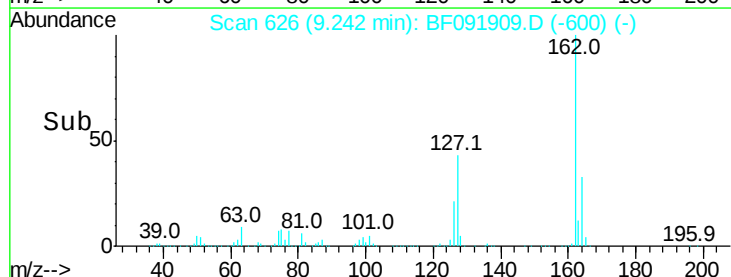


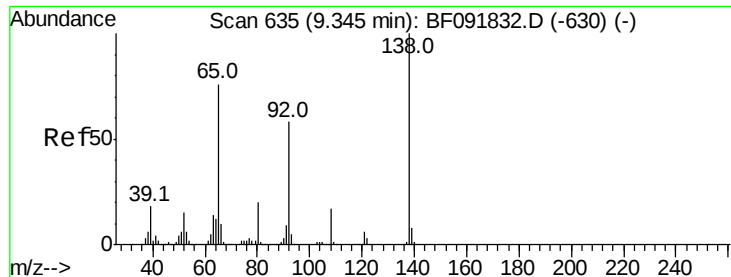
#46
 2-Chloronaphthalene
 Concen: 50.13 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:162 Resp: 1082762
 Ion Ratio Lower Upper
 162 100
 127 42.8 30.7 46.1
 164 33.5 27.6 41.4



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

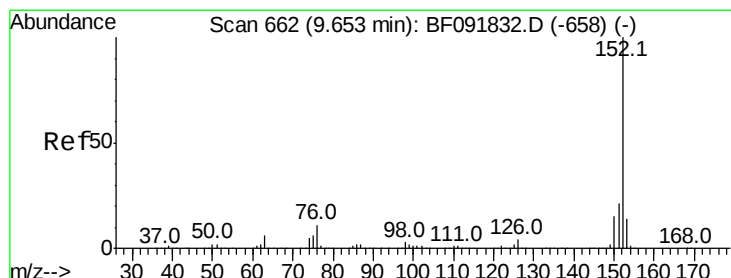
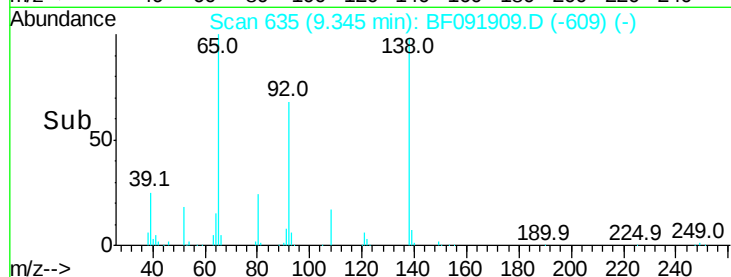
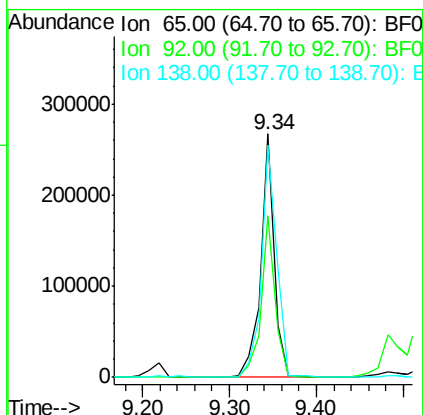
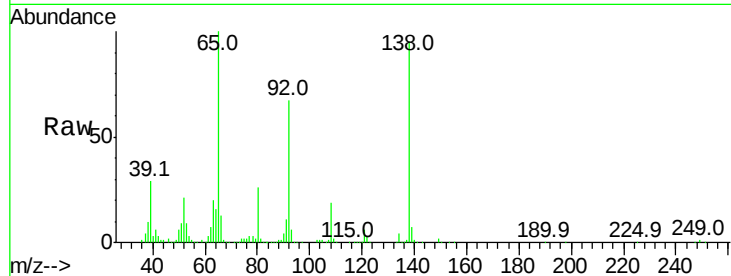




#47
2-Nitroaniline
Concen: 38.66 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

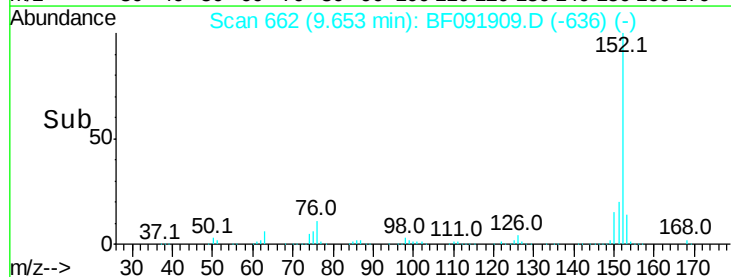
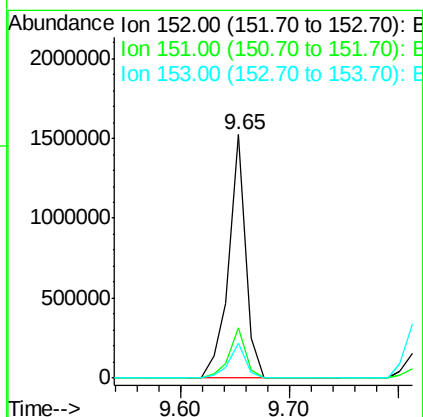
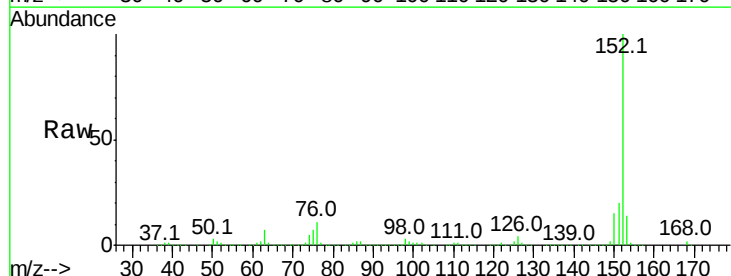
Instrument :
BNA_F
ClientSampleId :

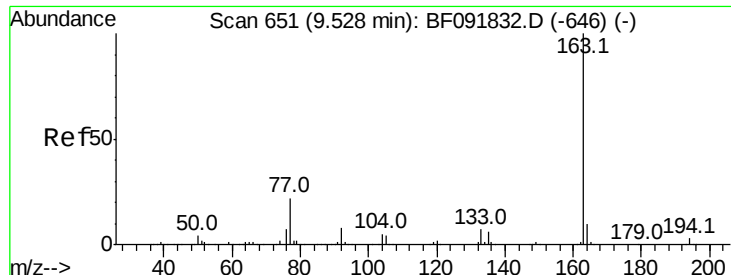
Tot Ion: 65 Resp: 297300
Ion Ratio Lower Upper
65 100
92 66.5 53.9 80.9
138 95.2 76.8 115.2



#48
Acenaphthylene
Concen: 49.42 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion: 152 Resp: 1641598
Ion Ratio Lower Upper
152 100
151 20.4 16.9 25.3
153 14.4 11.4 17.2

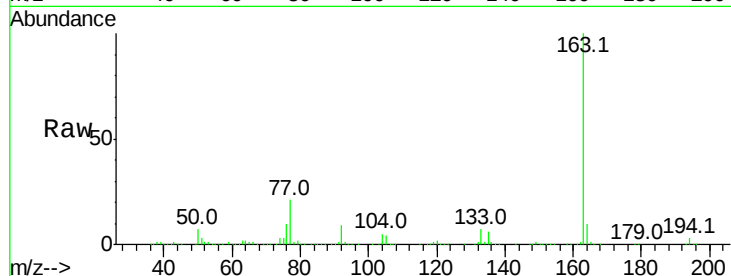




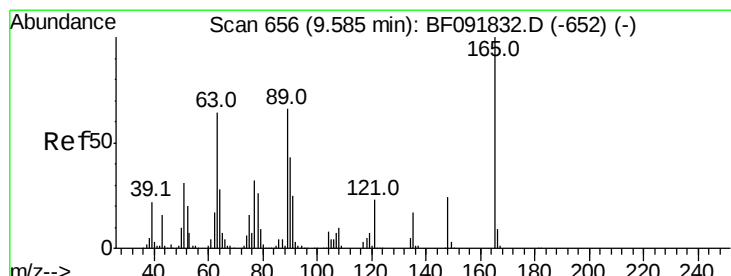
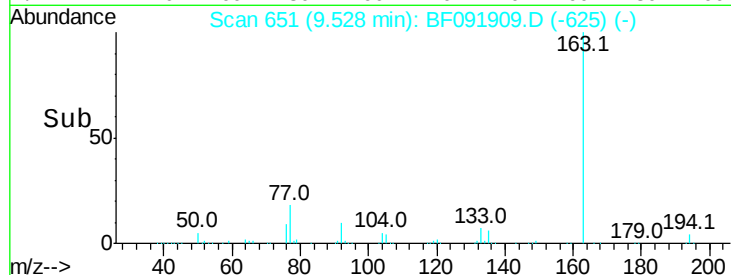
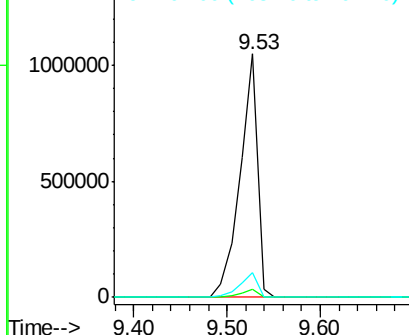
#49
Dimethylphthalate
Concen: 53.47 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 1362229
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.2 8.0 12.0

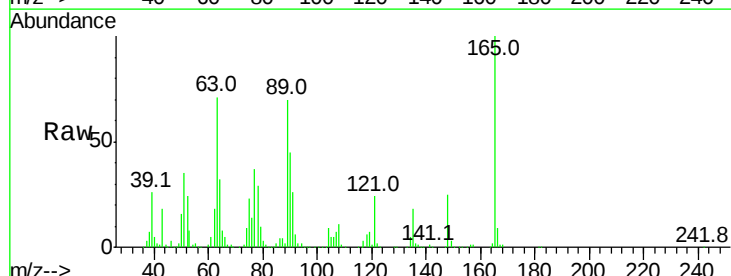


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

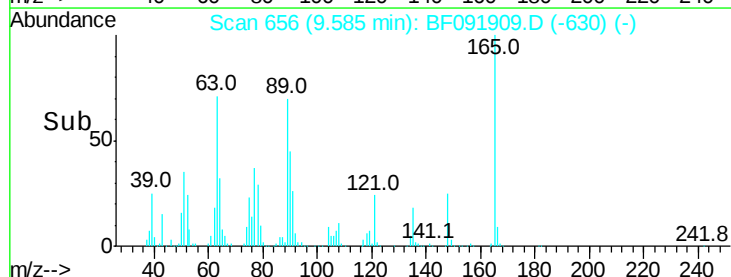
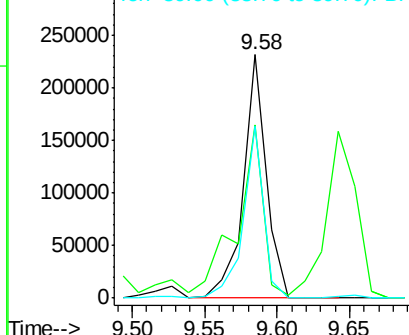


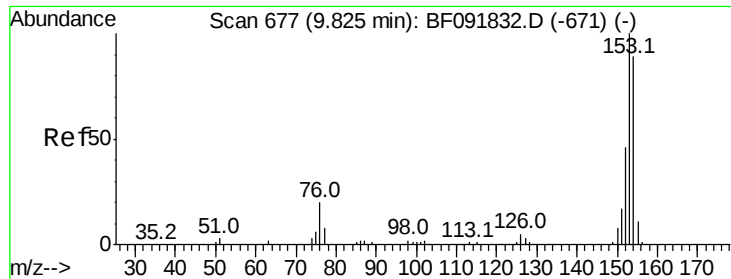
#50
2,6-Dinitrotoluene
Concen: 45.50 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion:165 Resp: 253727
Ion Ratio Lower Upper
165 100
63 71.3 36.2 54.4#
89 70.4 40.2 60.4#



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: 47.81 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

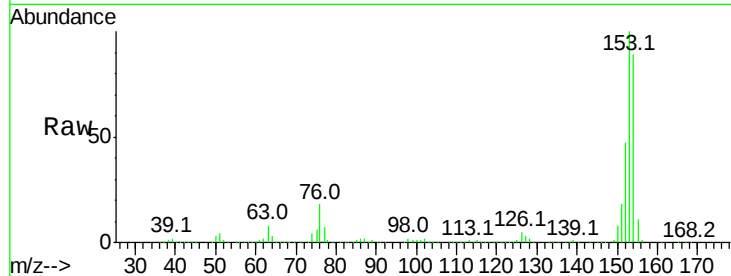
Tot Ion:154 Resp: 1076635

Ion Ratio Lower Upper

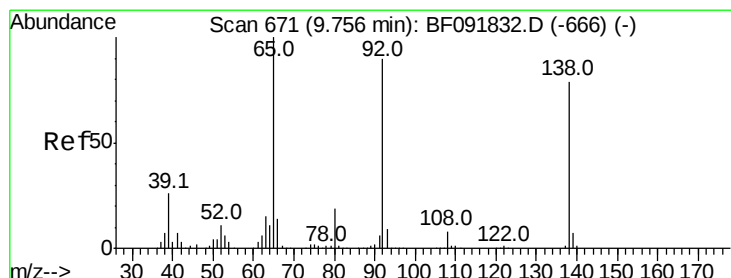
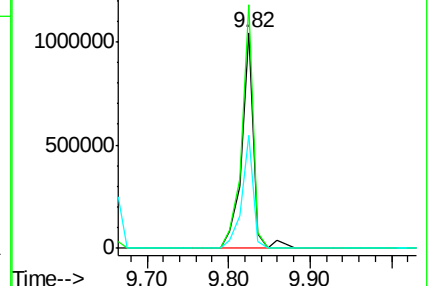
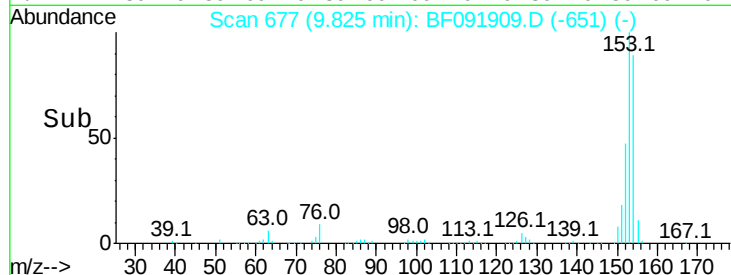
154 100

153 112.9 88.6 133.0

152 52.6 41.6 62.4



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: 24.56 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

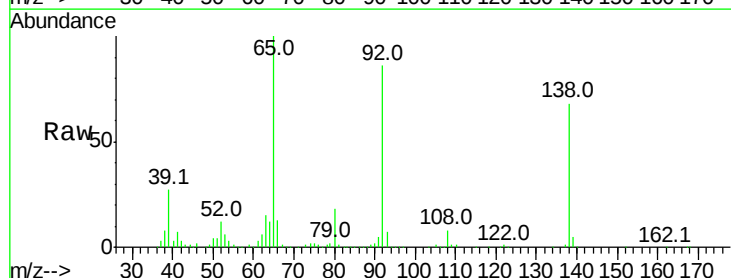
Tgt Ion:138 Resp: 169463

Ion Ratio Lower Upper

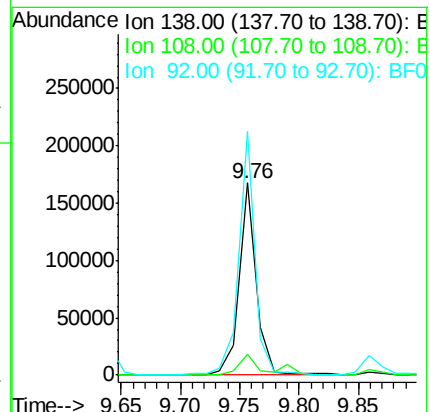
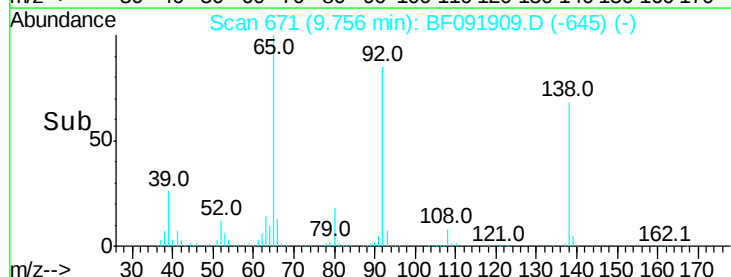
138 100

108 11.2 8.5 12.7

92 126.8 97.8 146.8



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

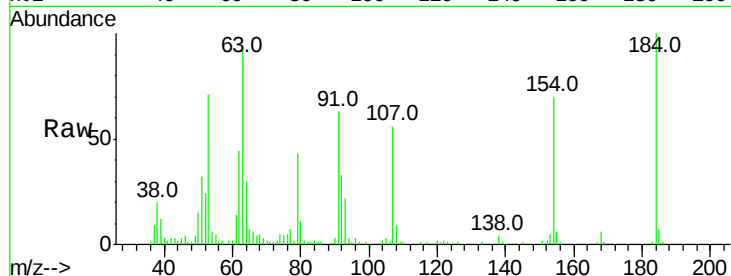




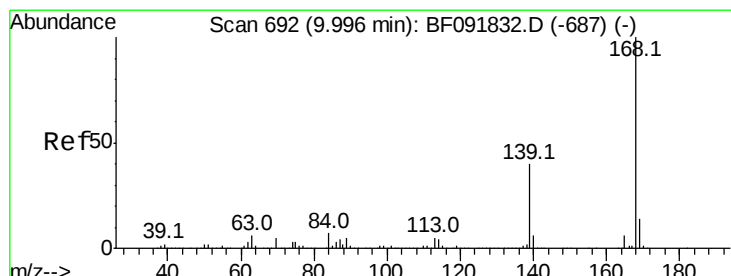
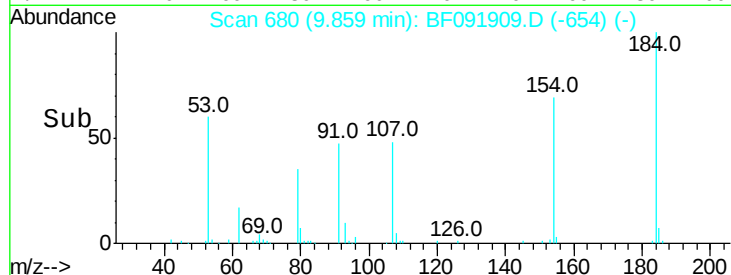
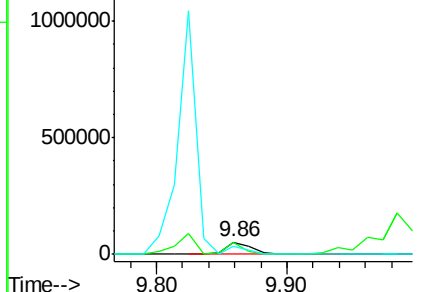
#53
 2,4-Dinitrophenol
 Concen: 24.30 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 75386
 Ion Ratio Lower Upper
 184 100
 63 92.7 28.4 42.6#
 154 70.0 44.3 66.5#

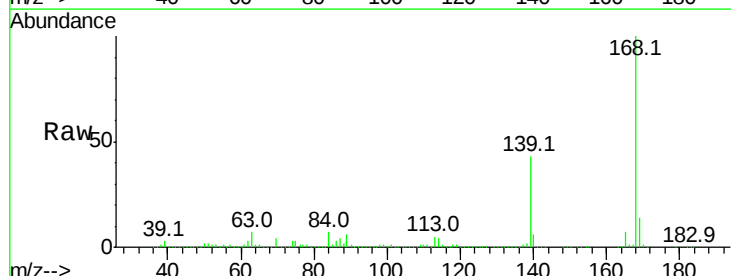


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

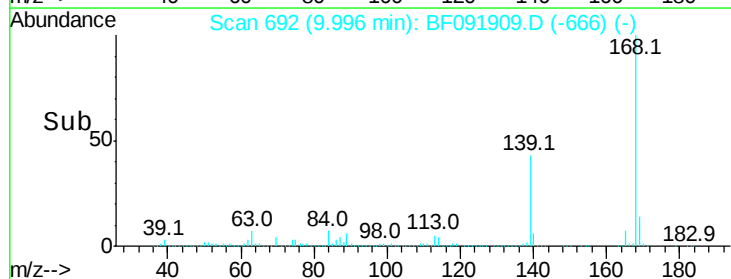
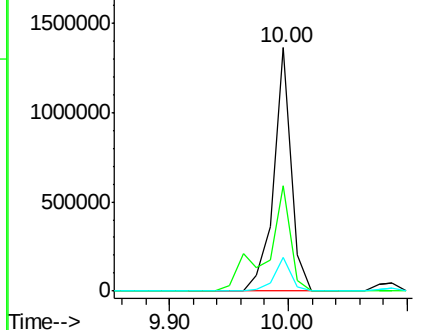


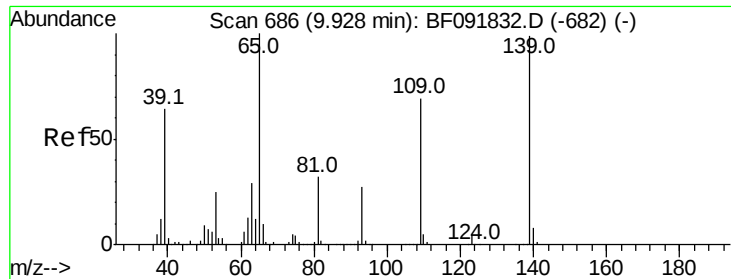
#54
 Dibenzofuran
 Concen: 45.57 ng
 RT: 10.00 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:168 Resp: 1385927
 Ion Ratio Lower Upper
 168 100
 139 43.1 32.6 49.0
 169 13.8 11.3 16.9



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: 176.88 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.07 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

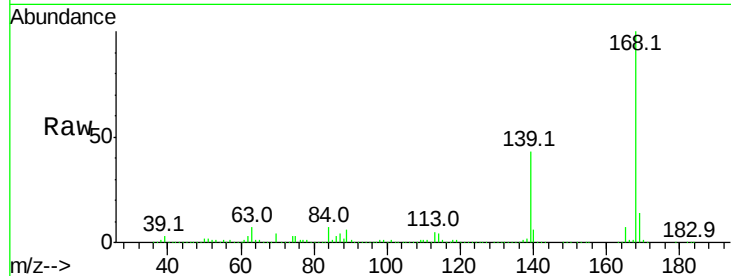
Tot Ion:139 Resp: 828774

Ion Ratio Lower Upper

139 100

109 1.6 52.2 92.2#

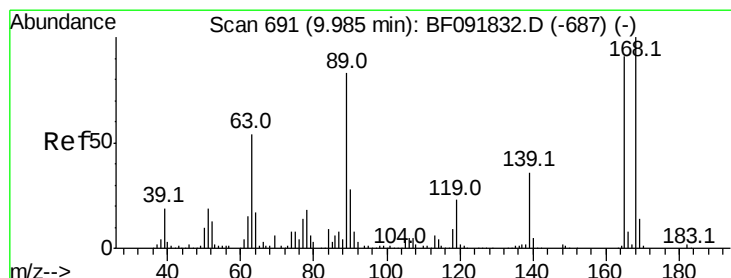
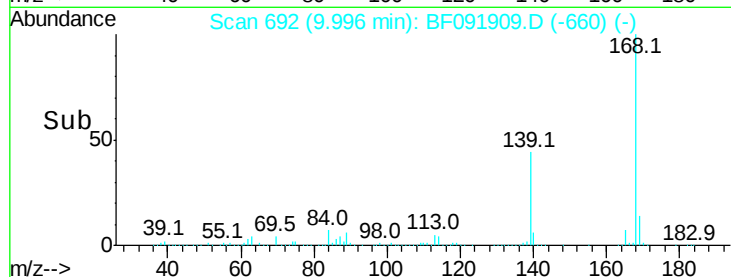
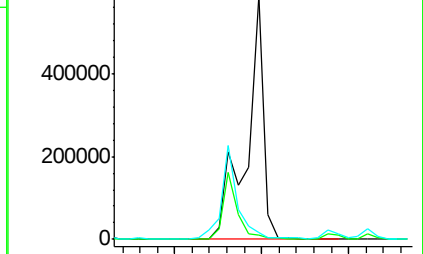
65 3.0 85.8 125.8#



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: 43.06 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Tgt Ion:165 Resp: 301337

Ion Ratio Lower Upper

165 100

63 65.8 40.2 60.4#

89 93.6 62.5 93.7

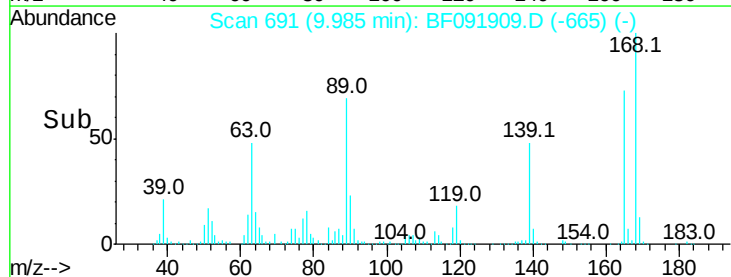
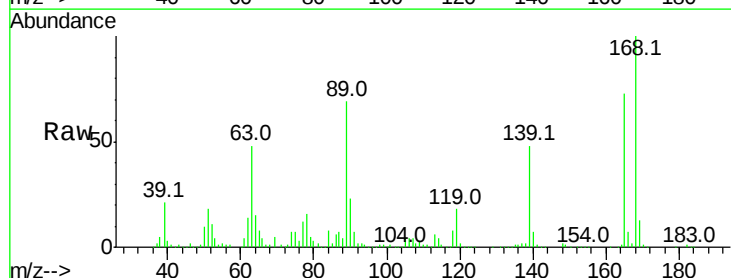
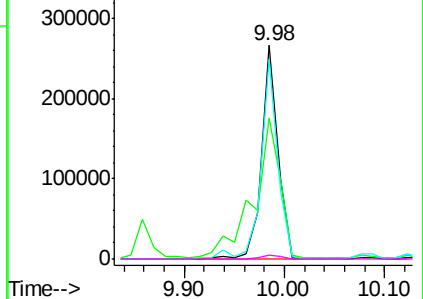
182 2.0 1.8 2.8

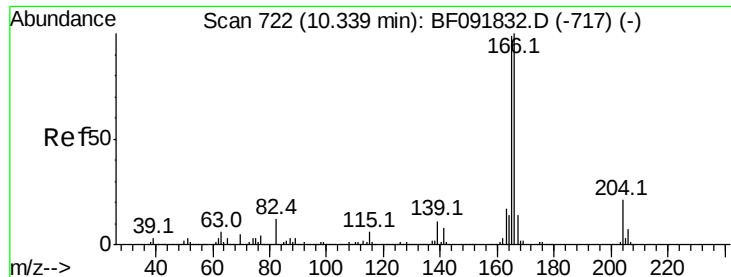
Abundance Ion 165.00 (164.70 to 165.70): E

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: 49.90 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampled :

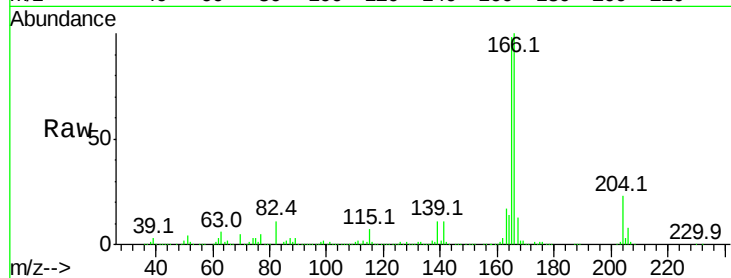
Tot Ion:166 Resp: 1104020

Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.8

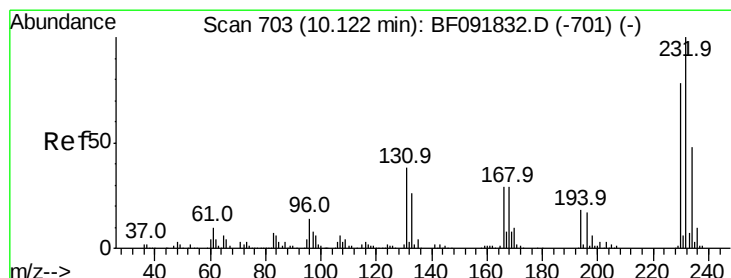
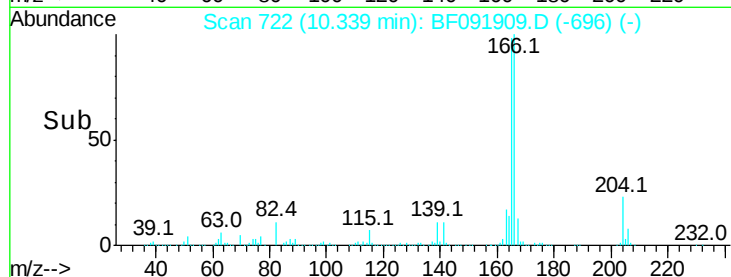
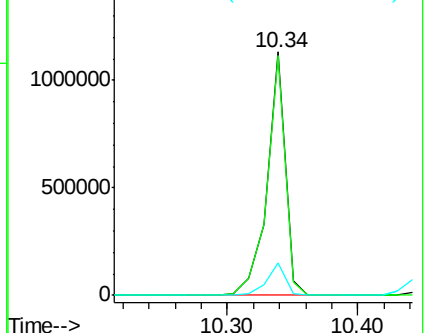
167 13.4 10.8 16.2



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: 43.96 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Tgt Ion:232 Resp: 251863

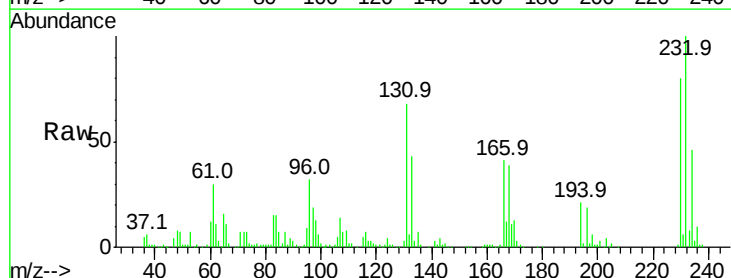
Ion Ratio Lower Upper

232 100

131 48.0 40.1 60.1

130 2.2 1.8 2.8

166 31.4 26.6 39.8

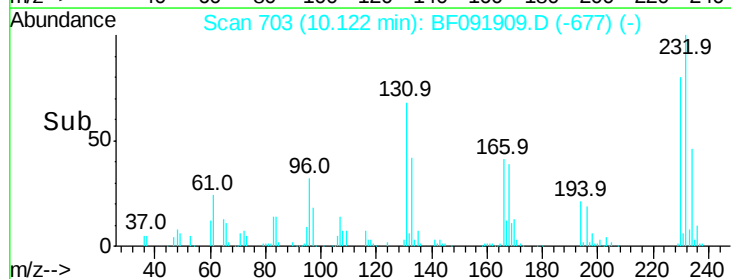
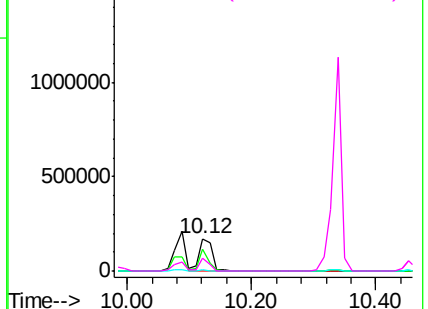


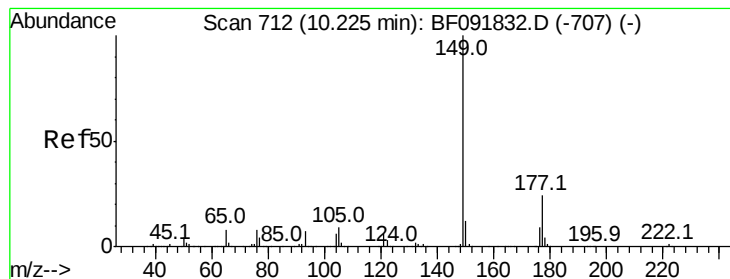
Abundance Ion 232.00 (231.70 to 232.70): E

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: 55.24 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampled :

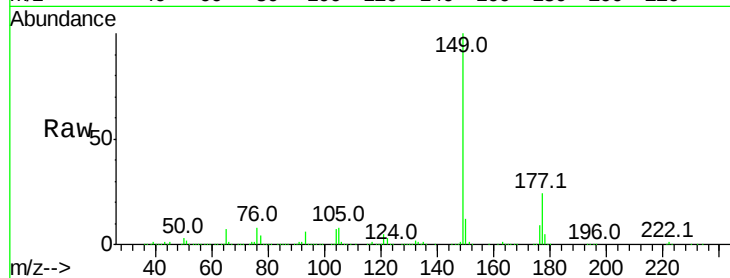
Tot Ion:149 Resp: 1366862

Ion Ratio Lower Upper

149 100

177 24.0 16.6 25.0

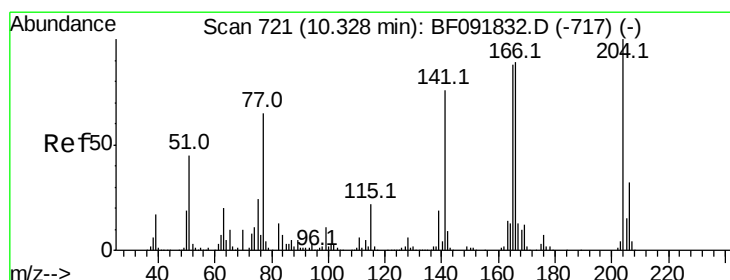
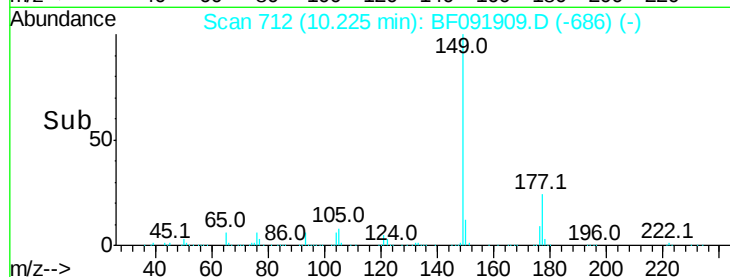
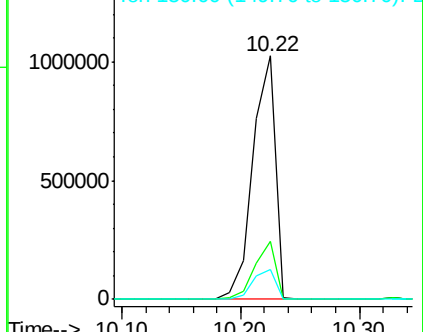
150 12.3 10.4 15.6



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: 51.15 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

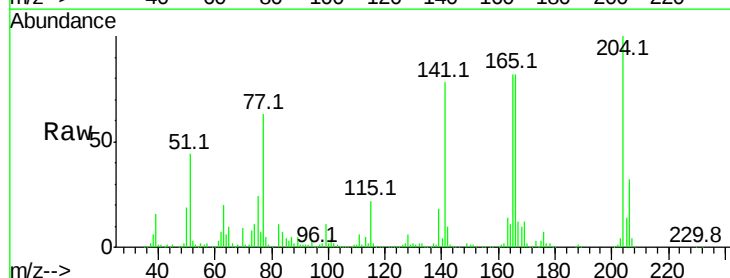
Tgt Ion:204 Resp: 495613

Ion Ratio Lower Upper

204 100

206 32.5 25.8 38.6

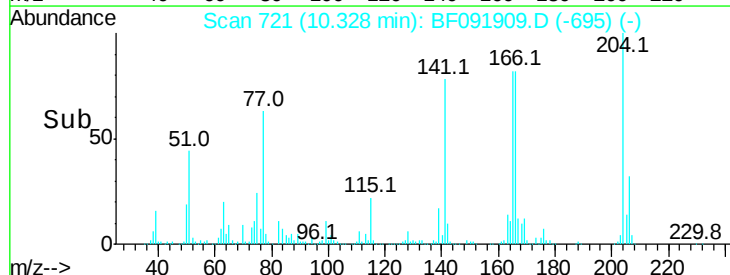
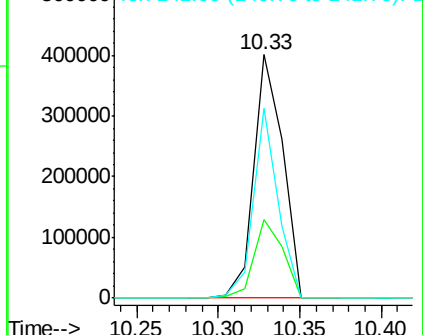
141 78.0 59.4 89.0

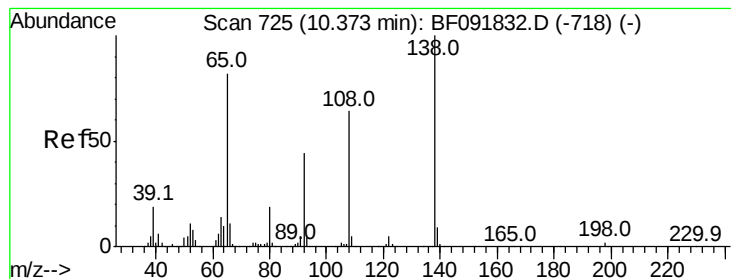


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 31.57 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

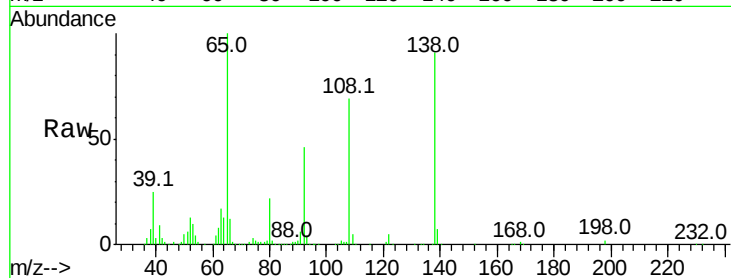
Tot Ion:138 Resp: 225755

Ion Ratio Lower Upper

138 100

92 50.8 31.7 71.7

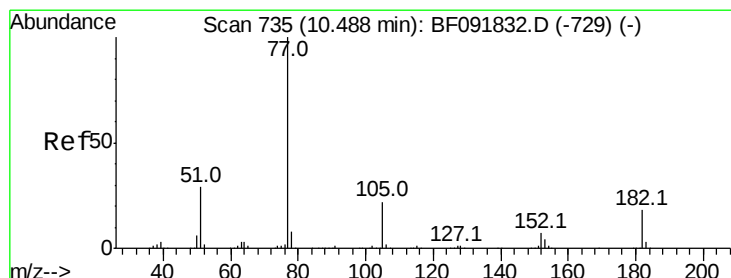
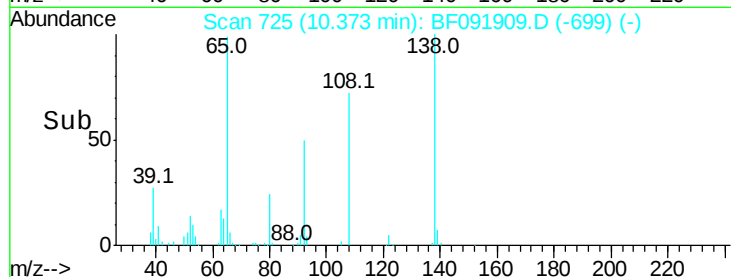
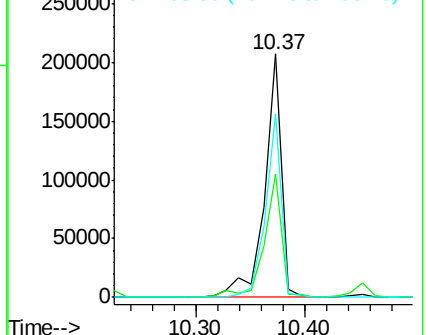
108 75.6 52.6 92.6



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: 47.80 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Tgt Ion: 77 Resp: 1302154

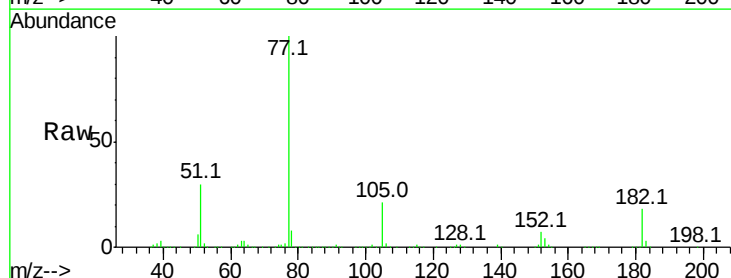
Ion Ratio Lower Upper

77 100

182 18.1 0.0 39.3

105 21.4 2.3 42.3

51 29.7 8.9 48.9

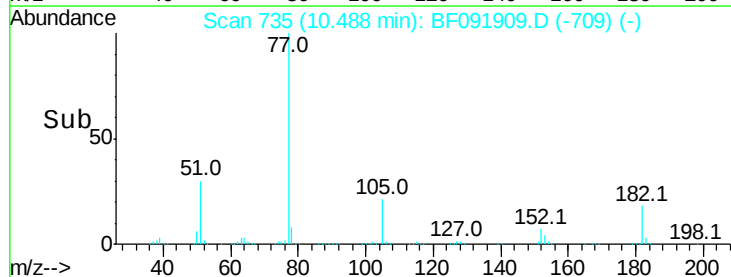
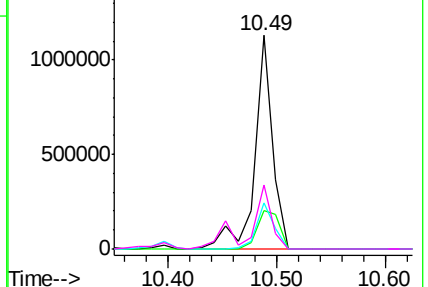


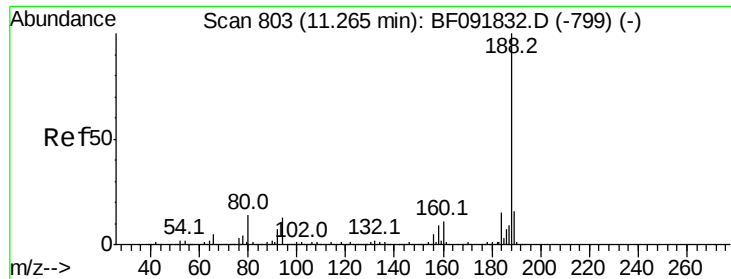
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

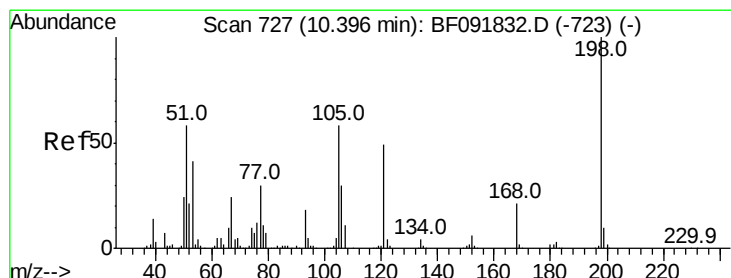
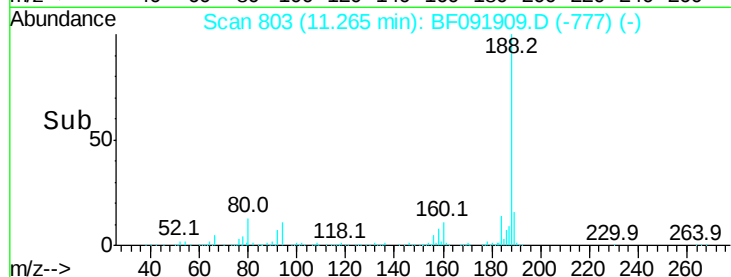
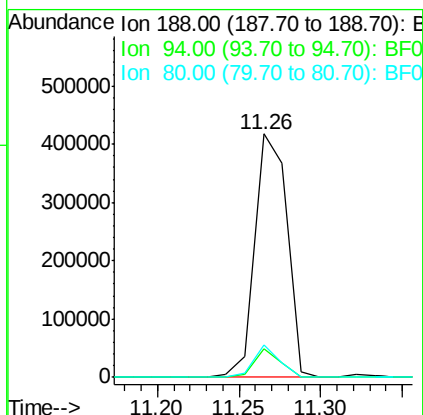
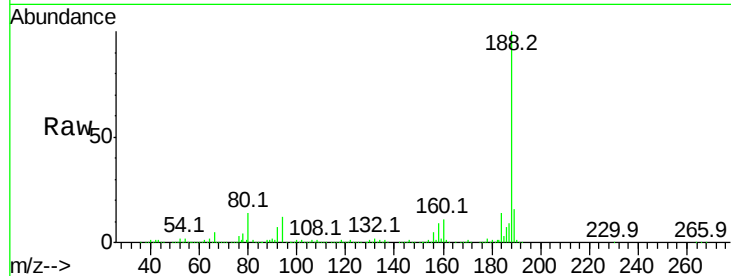




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

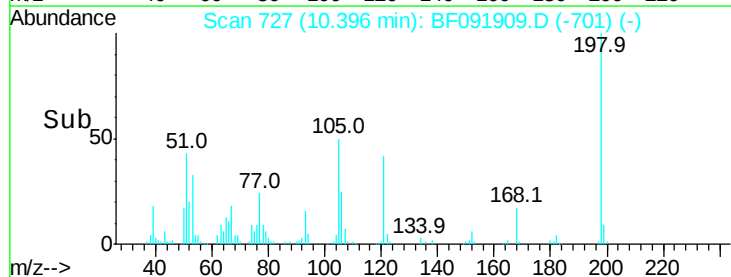
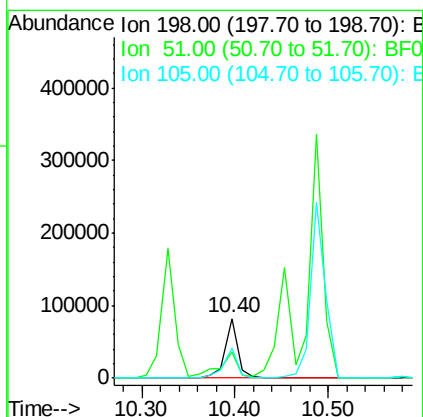
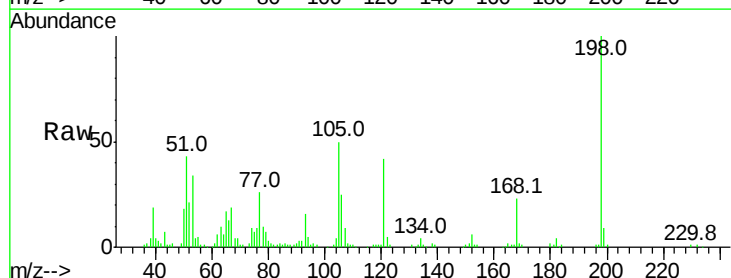
Instrument :
BNA_F
ClientSampleId :

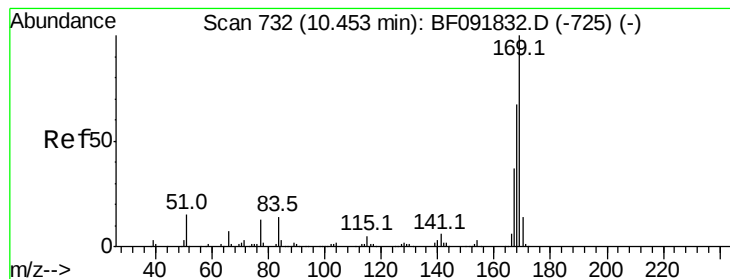
Tot Ion:188 Resp: 572830
Ion Ratio Lower Upper
188 100
94 11.8 10.0 15.0
80 13.6 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 22.77 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion:198 Resp: 78888
Ion Ratio Lower Upper
198 100
51 43.4 6.7 46.7
105 49.7 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 55.44 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampled :

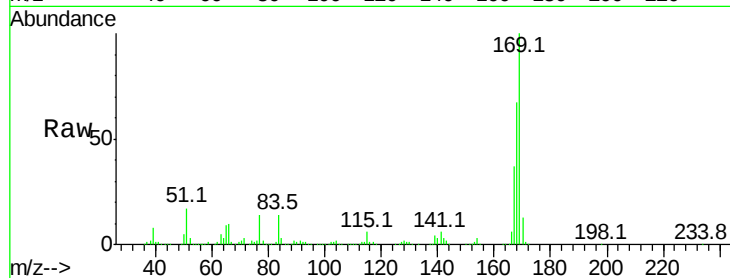
Tot Ion:169 Resp: 942354

Ion Ratio Lower Upper

169 100

168 67.1 54.2 81.2

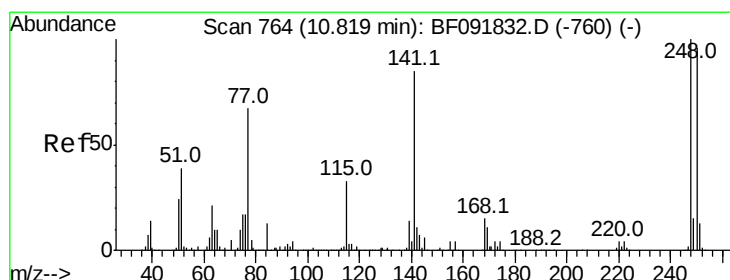
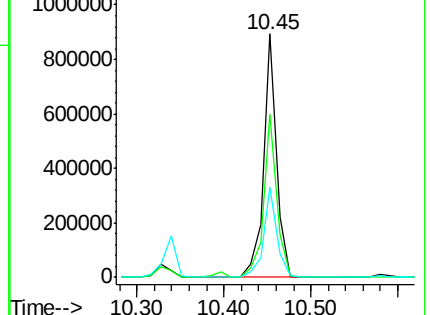
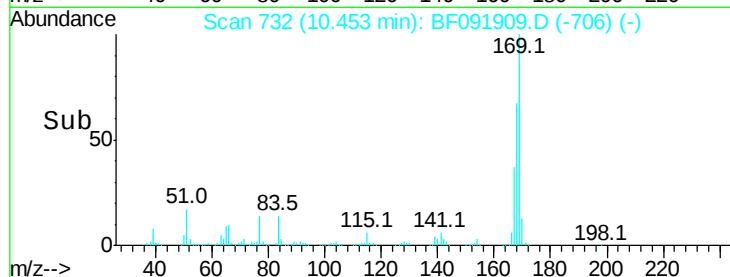
167 37.0 30.2 45.4



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: 52.35 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

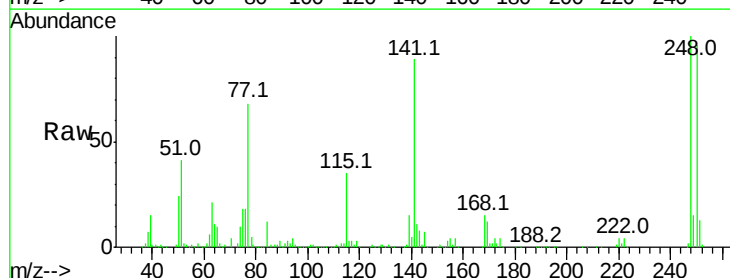
Tgt Ion:248 Resp: 311966

Ion Ratio Lower Upper

248 100

250 96.4 76.9 115.3

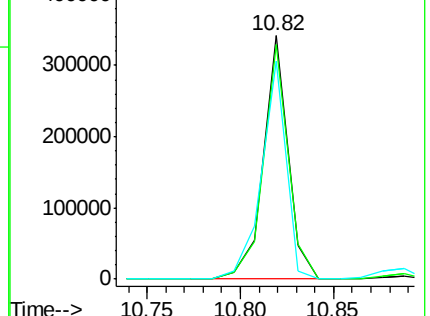
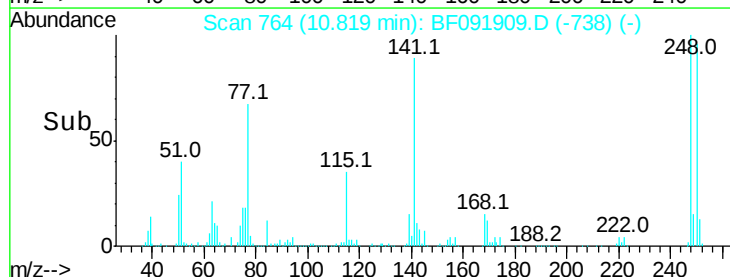
141 89.4 68.2 102.4



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

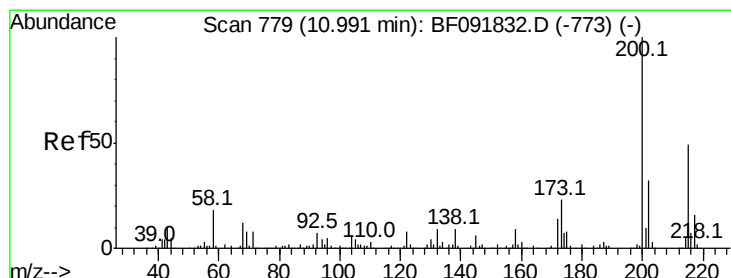
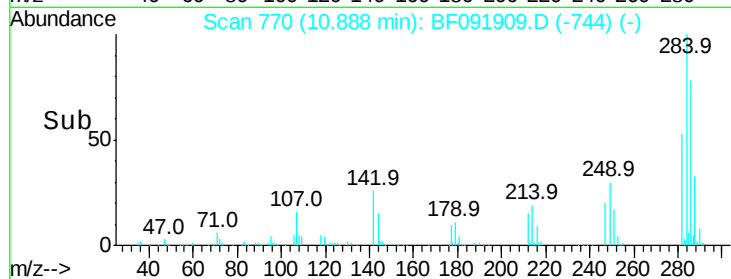
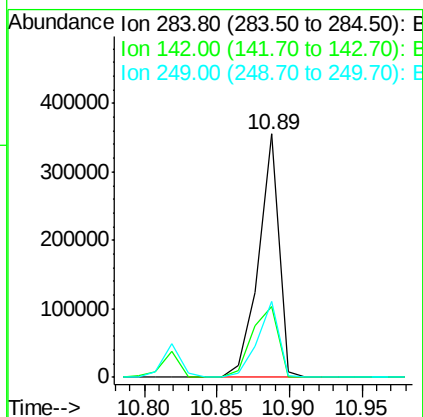
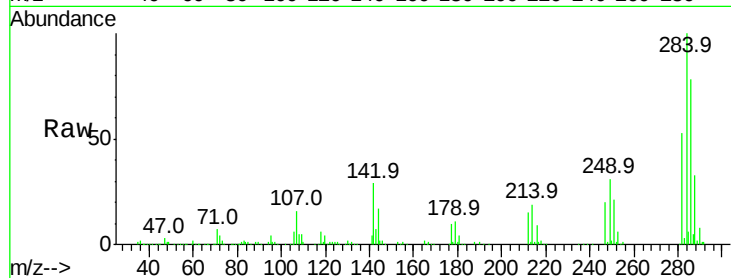




#67
Hexachlorobenzene
Concen: 54.70 ng
RT: 10.89 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

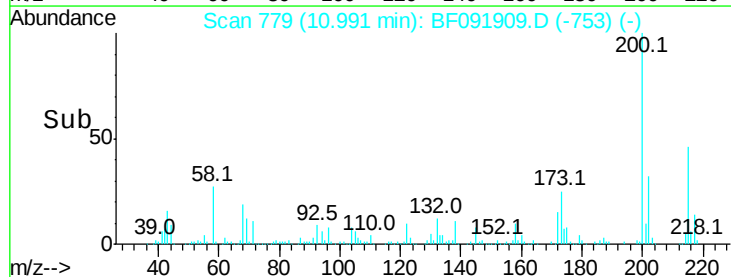
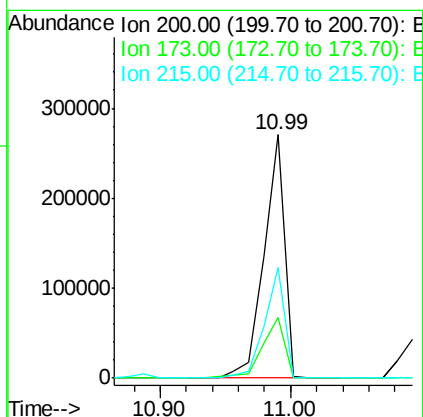
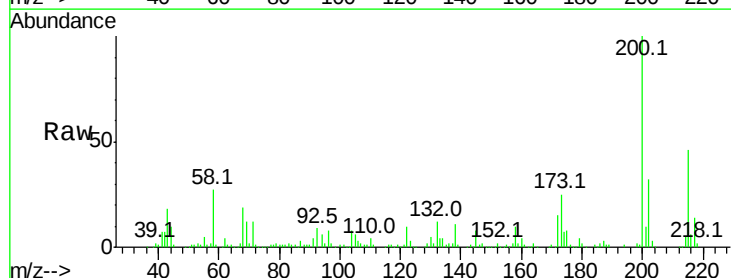
Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
284	100		
142	29.0	22.6	33.8
249	31.3	25.4	38.0



#68
Atrazine
Concen: 54.43 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.1	9.6	49.6
215	45.6	25.7	65.7

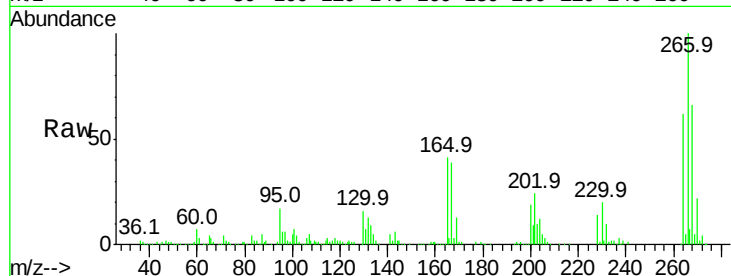




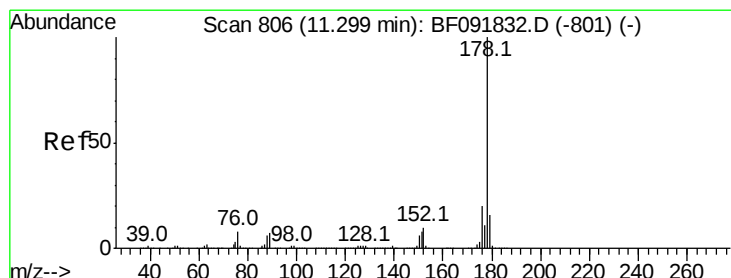
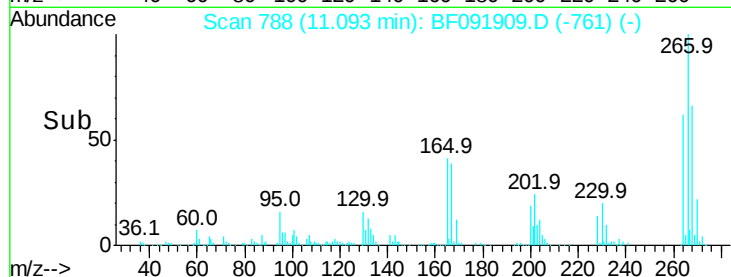
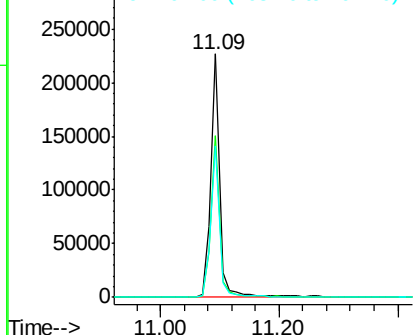
#69
 Pentachlorophenol
 Concen: 77.13 ng
 RT: 11.09 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:266 Resp: 241059
 Ion Ratio Lower Upper
 266 100
 268 66.3 53.3 79.9
 264 62.4 50.3 75.5

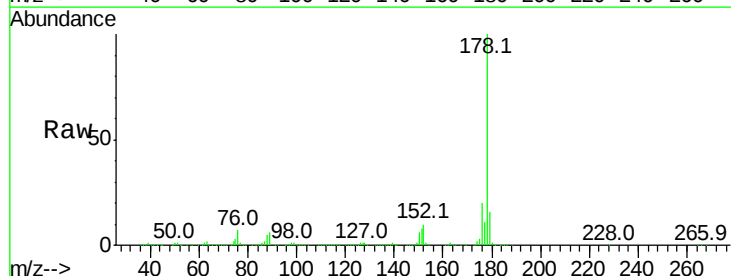


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

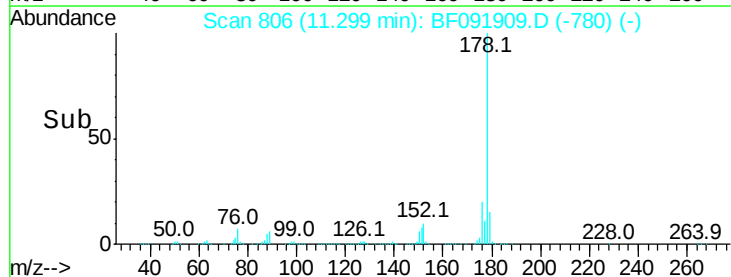
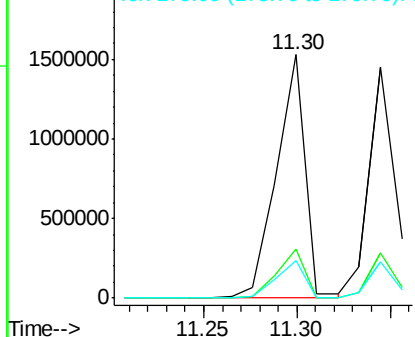


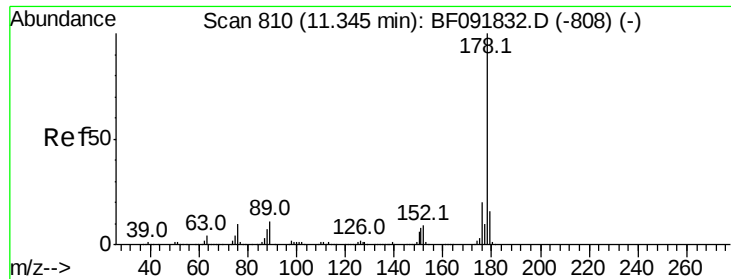
#70
 Phenanthrene
 Concen: 52.43 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:178 Resp: 1628439
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.6 25.0
 179 15.6 12.8 19.2



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

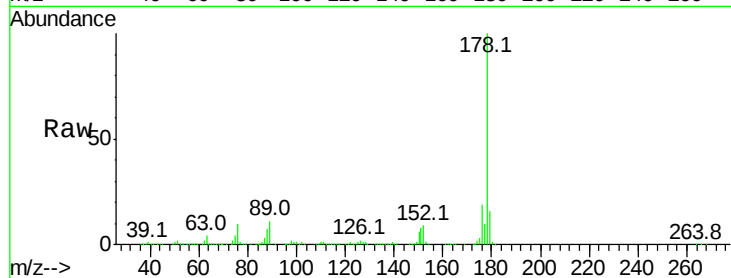




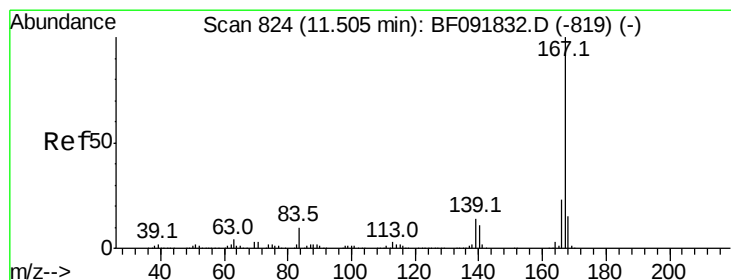
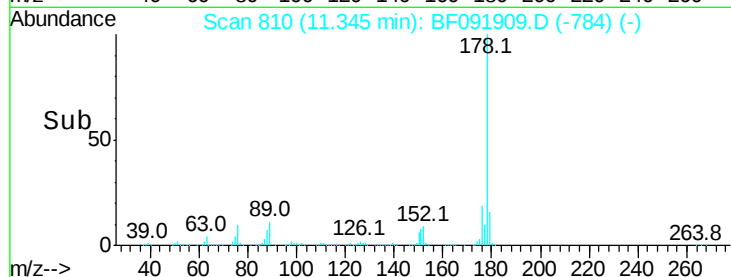
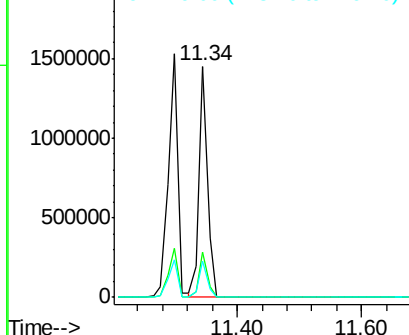
#71
 Anthracene
 Concen: 55.04 ng
 RT: 11.34 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 1400743
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 15.9 13.2 19.8

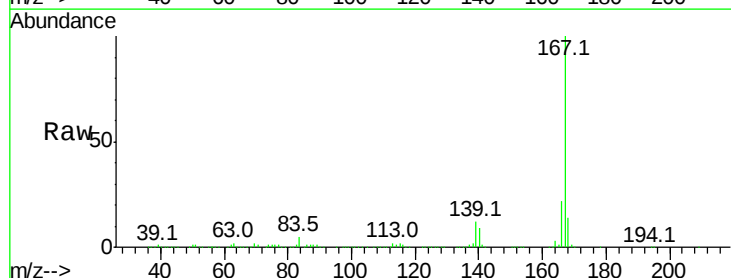


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

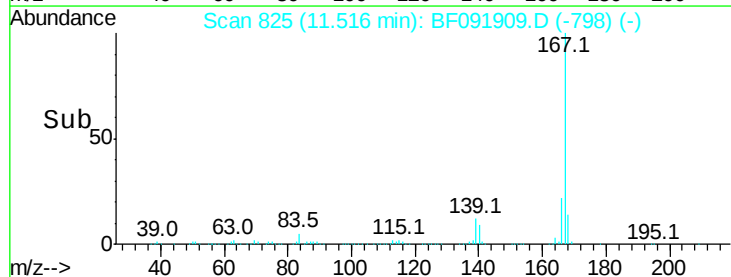
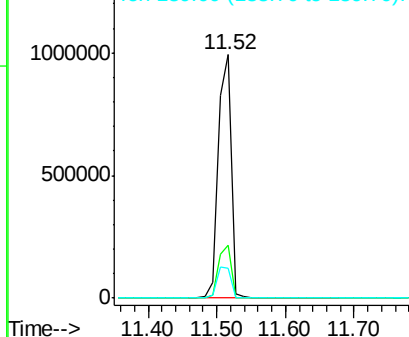


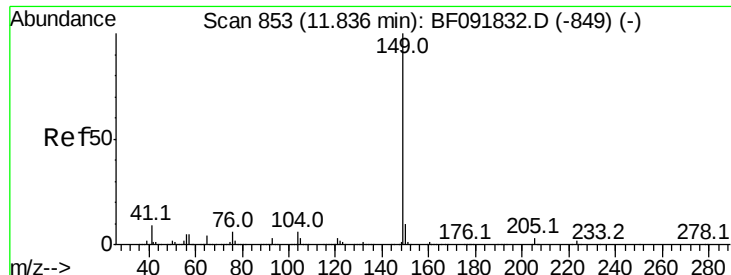
#72
 Carbazole
 Concen: 61.67 ng
 RT: 11.52 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:167 Resp: 1316405
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.2 27.2
 139 12.2 11.4 17.2



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: 63.62 ng

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampleId :

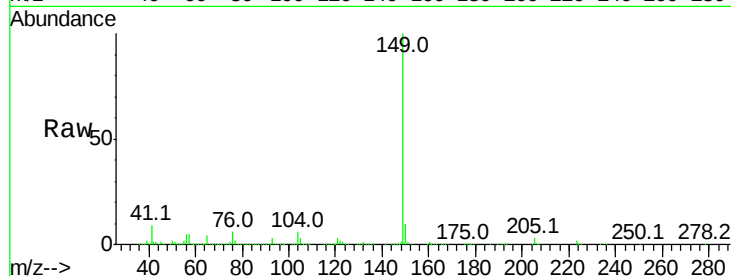
Tot Ion:149 Resp: 1822451

Ion Ratio Lower Upper

149 100

150 9.8 8.1 12.1

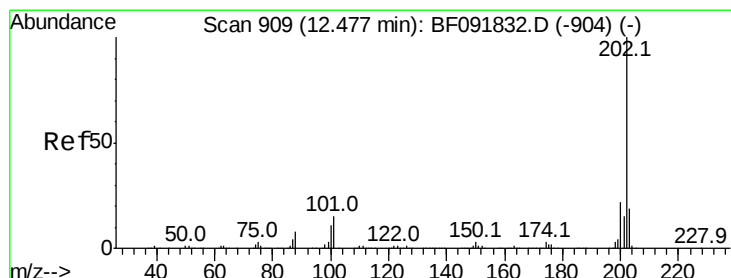
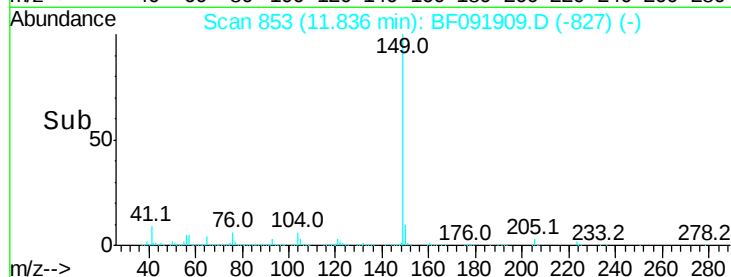
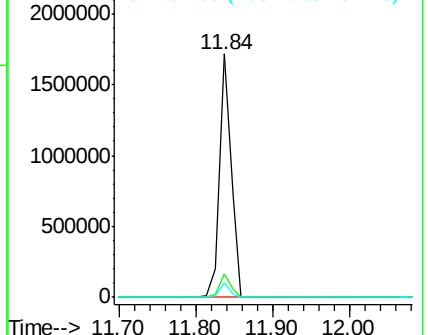
104 5.8 4.6 7.0



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: 47.42 ng

RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

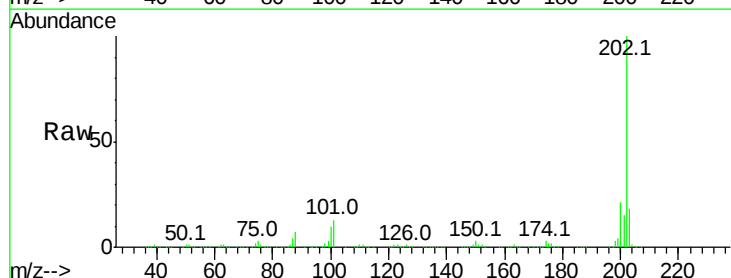
Tgt Ion:202 Resp: 1286682

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.6

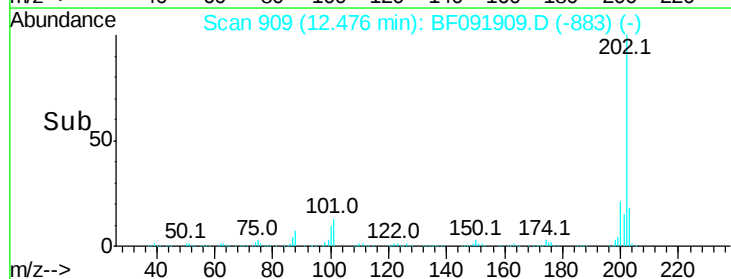
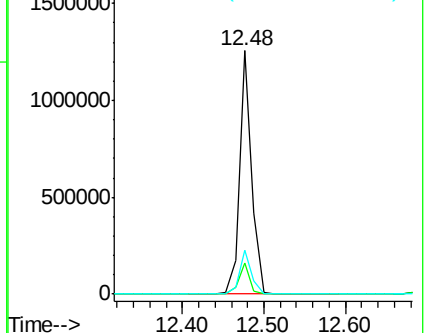
203 17.9 0.0 38.7

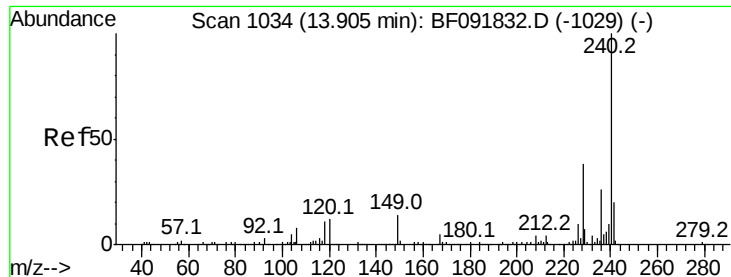


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Instrument :

BNA_F

ClientSampled :

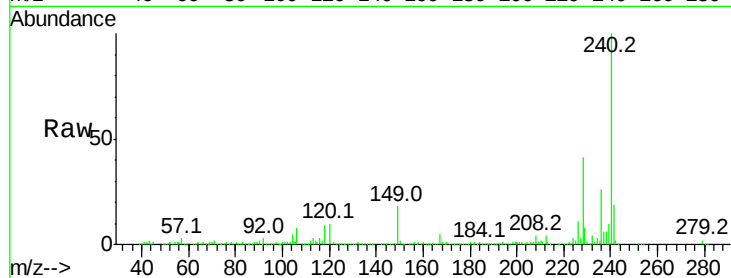
Tot Ion:240 Resp: 368676

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

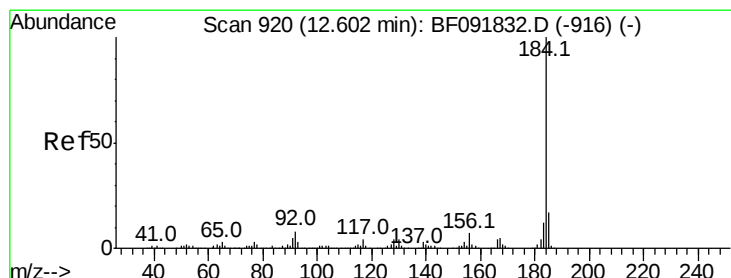
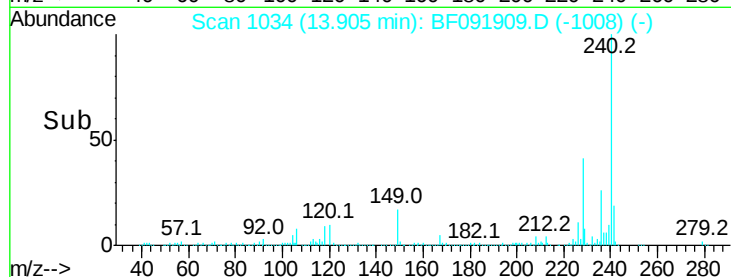
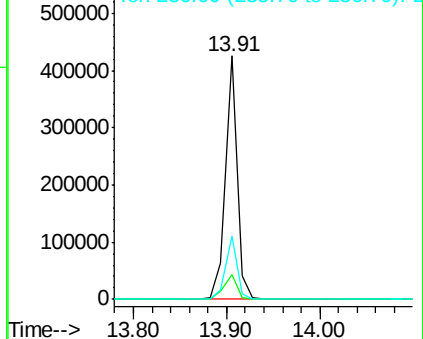
236 25.9 20.9 31.3



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: 8.52 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

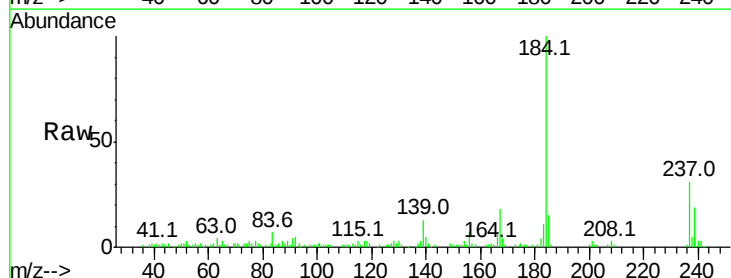
Tgt Ion:184 Resp: 112199

Ion Ratio Lower Upper

184 100

185 14.7 13.4 20.0

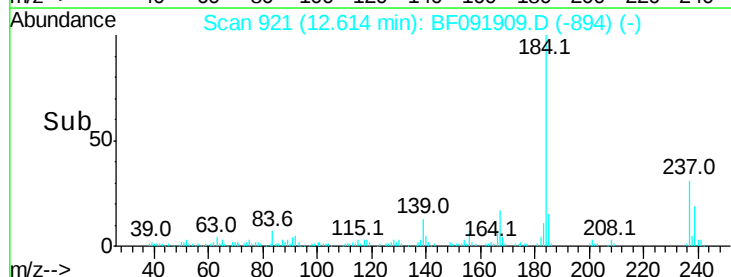
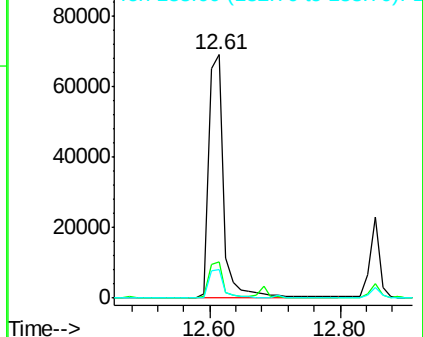
183 11.5 9.2 13.8



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

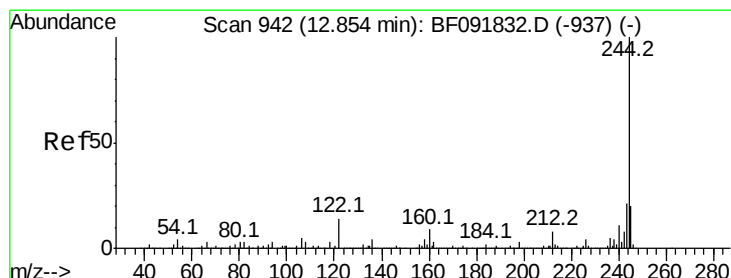
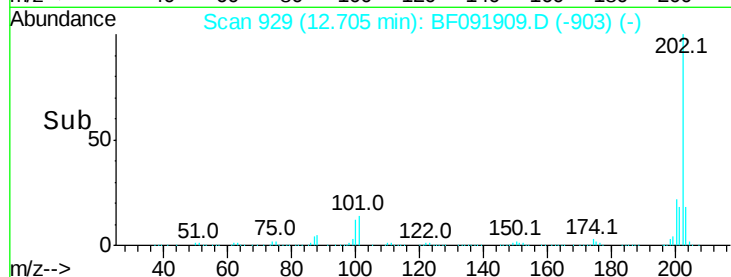
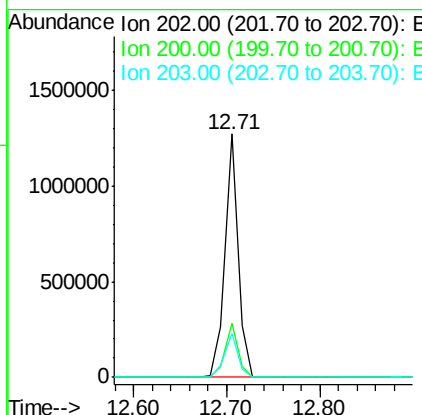
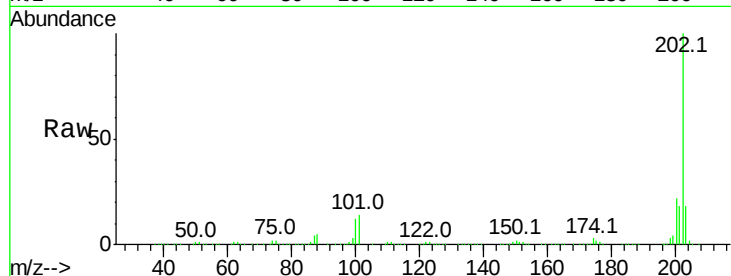




#77
Pvrene
Concen: 46.33 ng
RT: 12.71 min Scan# 929
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

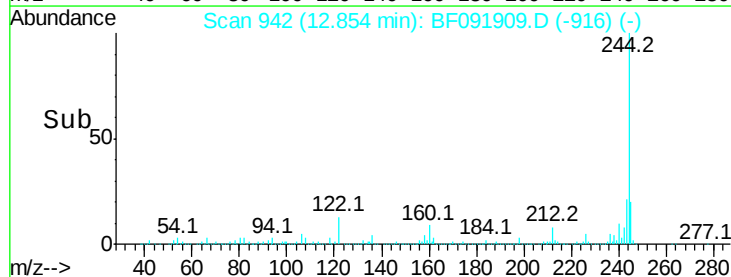
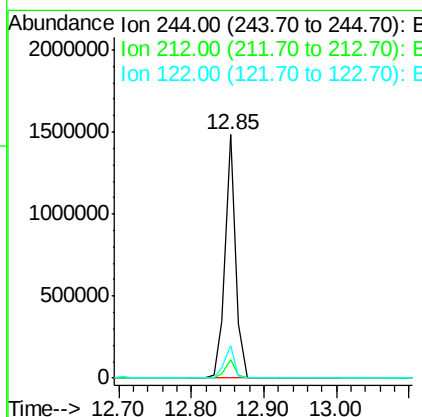
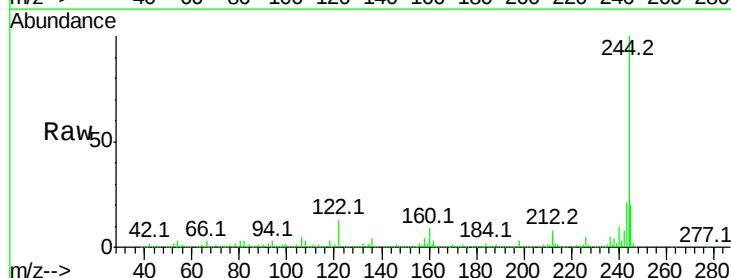
Instrument :
BNA_F
ClientSampleId :

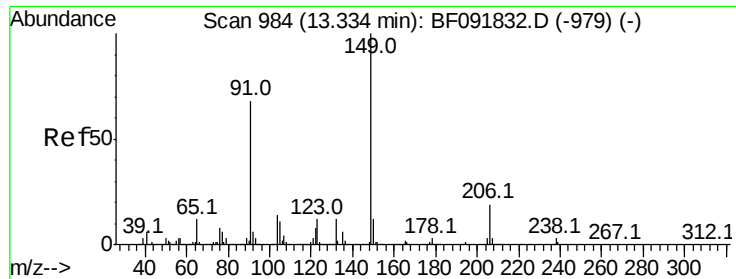
Tot Ion:202 Resp: 1253129
Ion Ratio Lower Upper
202 100
200 22.2 17.7 26.5
203 18.2 14.7 22.1



#78
Terphenyl-d14
Concen: 99.05 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion:244 Resp: 1505707
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 13.5 11.4 17.2

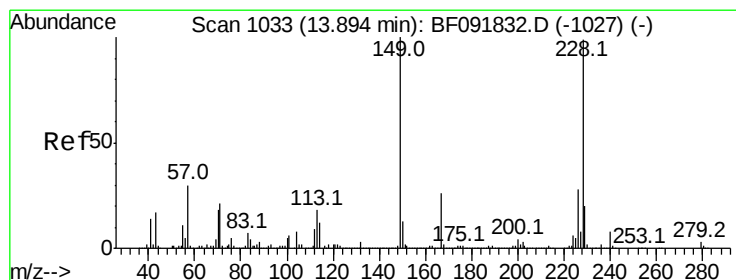
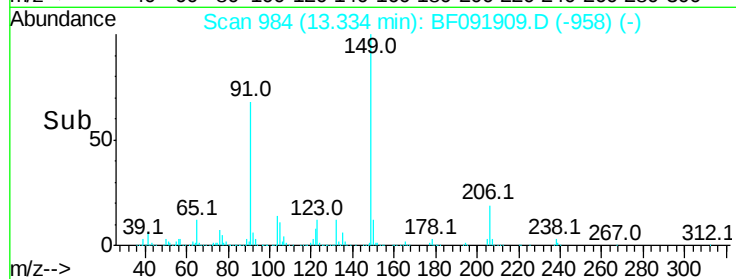
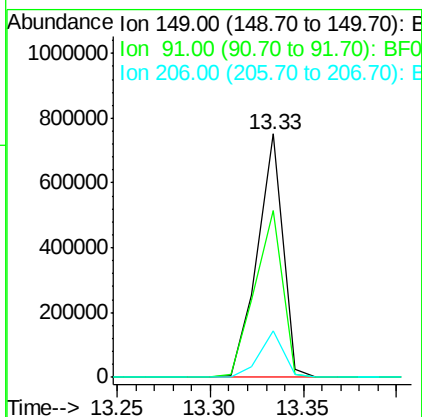
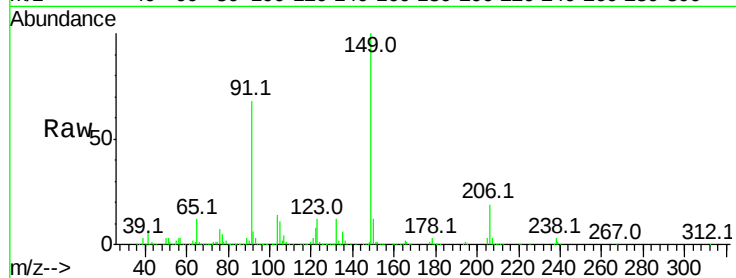




#79
Butylbenzylphthalate
Concen: 58.02 ng
RT: 13.33 min Scan# 984
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

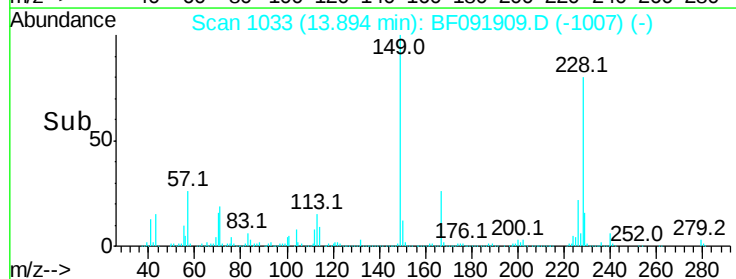
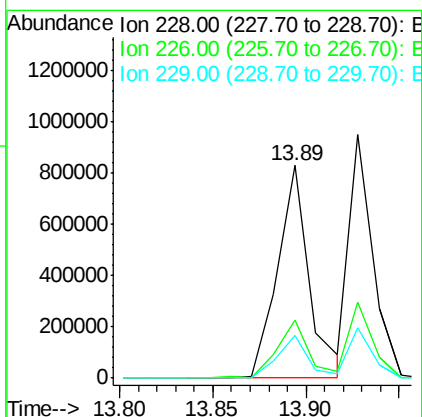
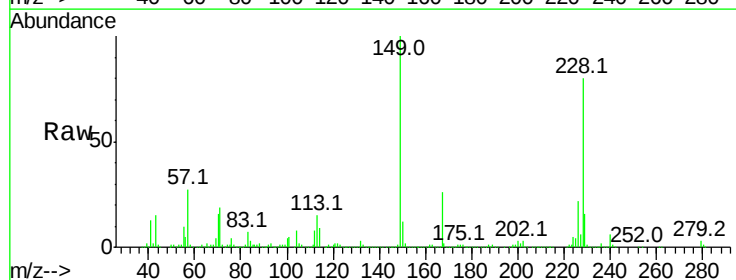
Instrument :
BNA_F
ClientSampleId :

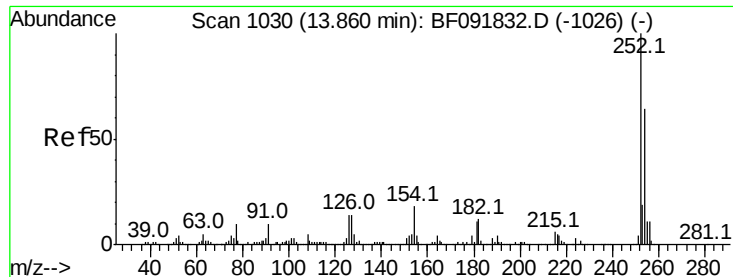
Tot Ion	Ratio	Lower	Upper
149	100		
91	68.3	63.9	95.9
206	19.0	14.6	21.8



#80
Benzo(a)anthracene
Concen: 47.26 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.4	33.6
229	20.0	16.2	24.4

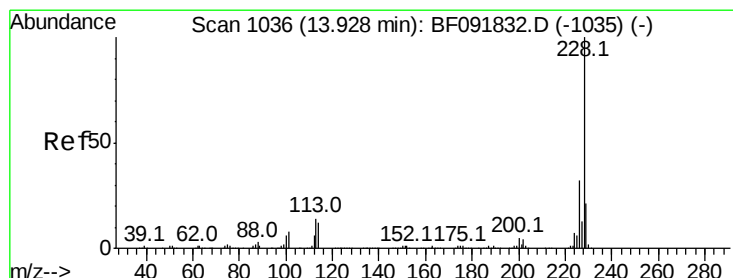
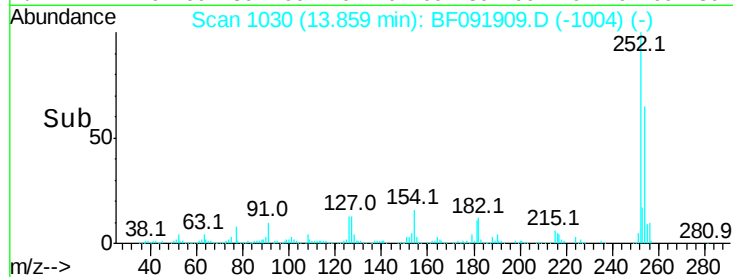
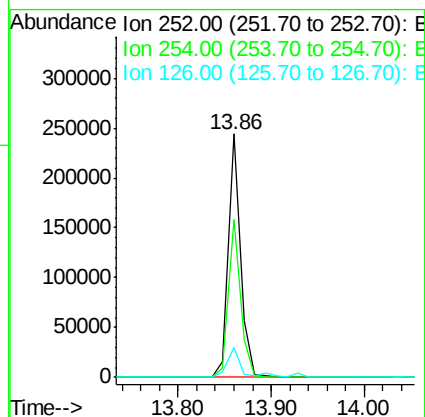




#81
 3,3'-Dichlorobenzidine
 Concen: 28.21 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

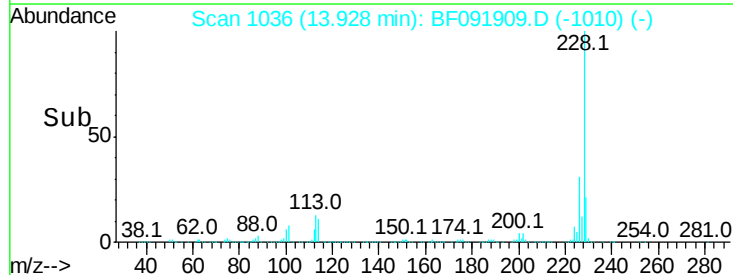
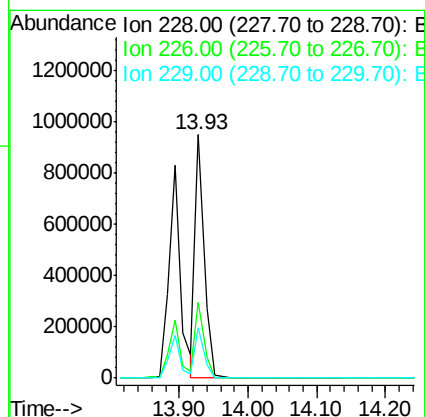
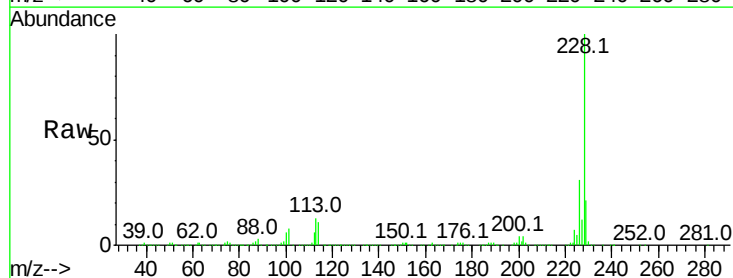
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.6	52.3	78.5
126	12.5	13.6	20.4



#82
 Chrysene
 Concen: 41.03 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	20.5	16.2	24.2

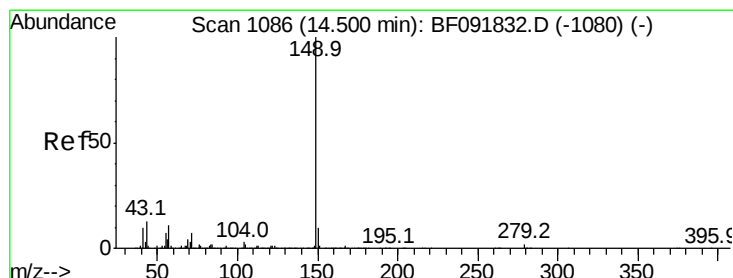
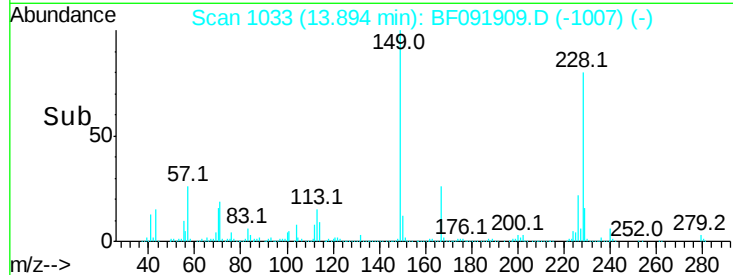
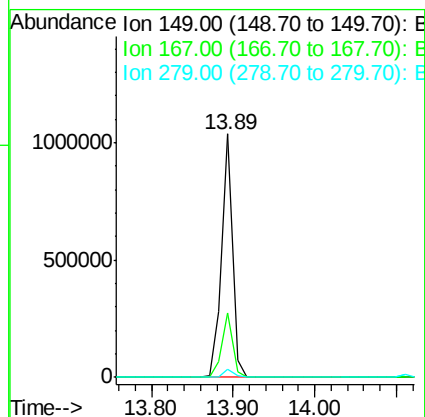
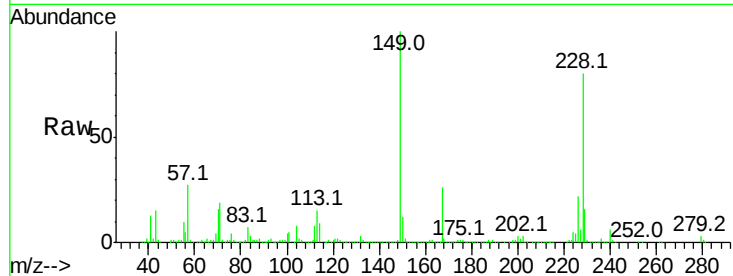




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 66.82 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

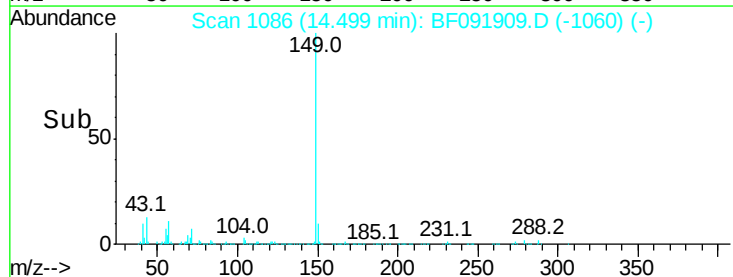
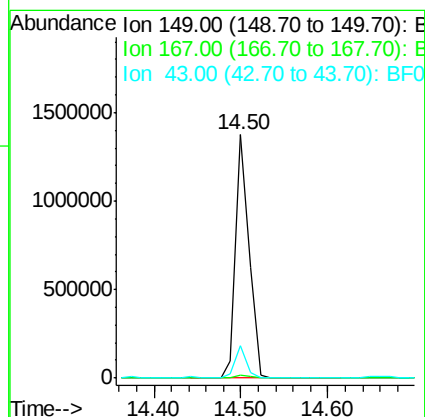
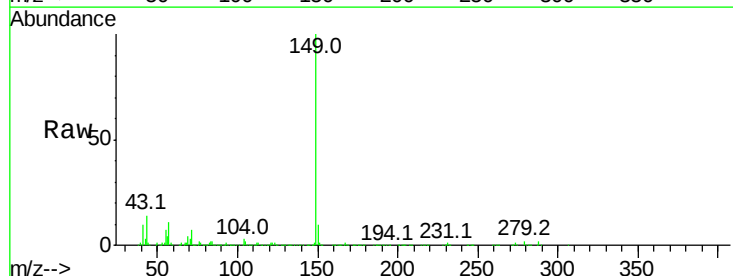
Instrument :
 BNA_F
 ClientSampleId :

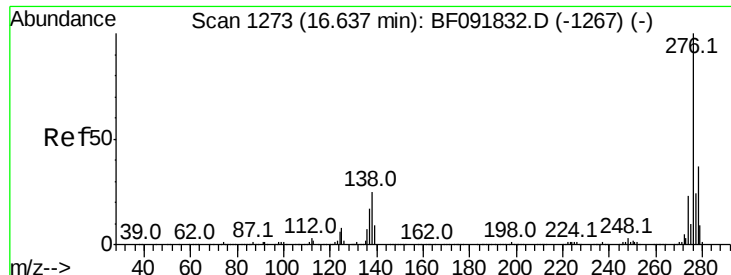
Tot Ion:149 Resp: 968124
 Ion Ratio Lower Upper
 149 100
 167 26.2 20.2 30.4
 279 3.1 1.8 2.8#



#84
 Di-n-octyl phthalate
 Concen: 54.12 ng
 RT: 14.50 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion:149 Resp: 1452607
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 11.6 8.9 13.3

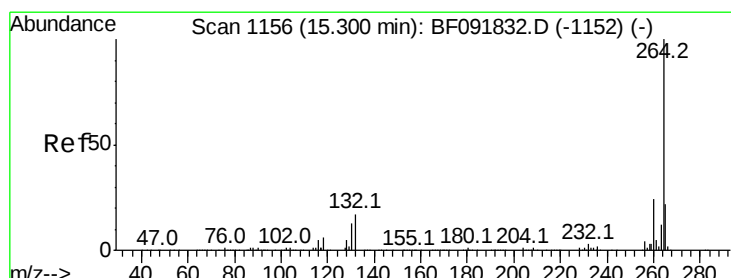
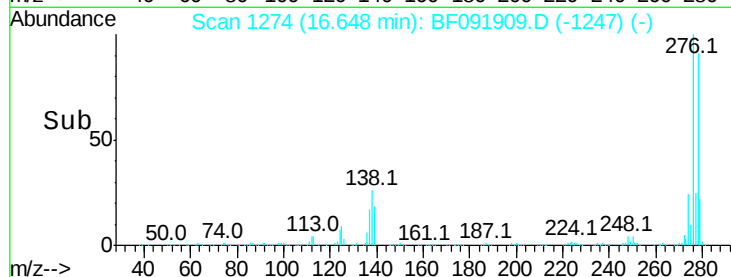
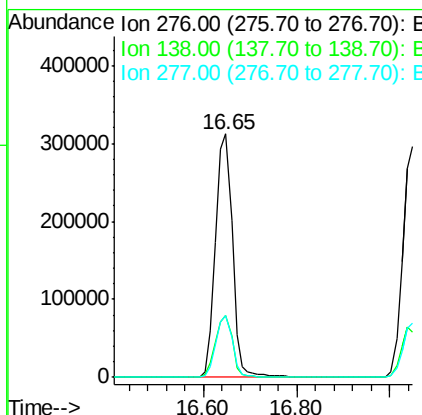
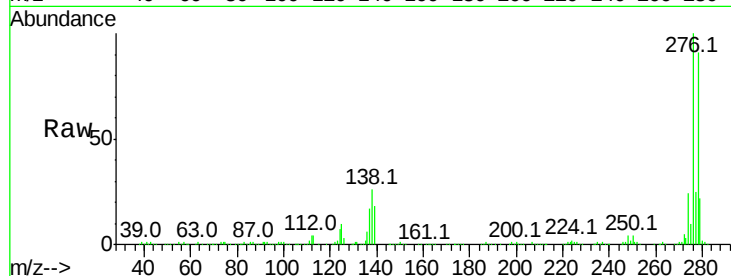




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.75 ng
 RT: 16.65 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

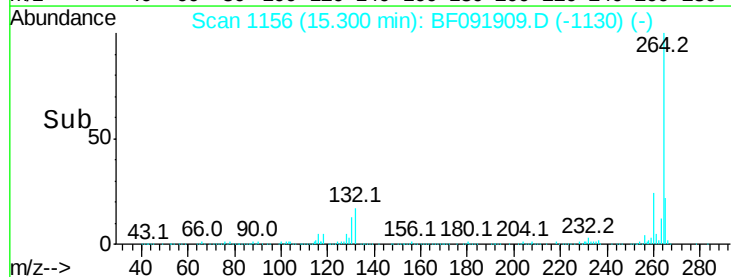
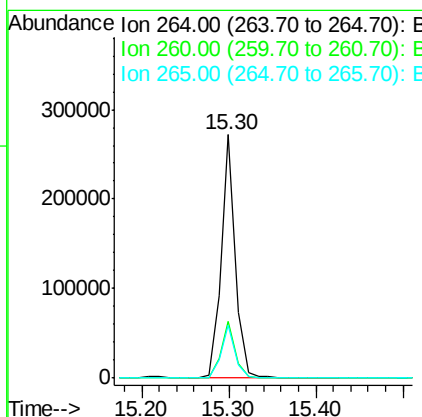
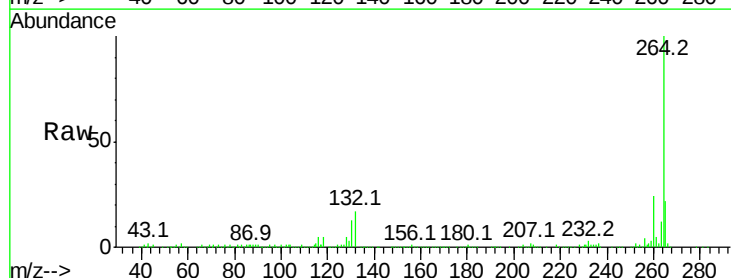
Instrument :
 BNA_F
 ClientSampleId :

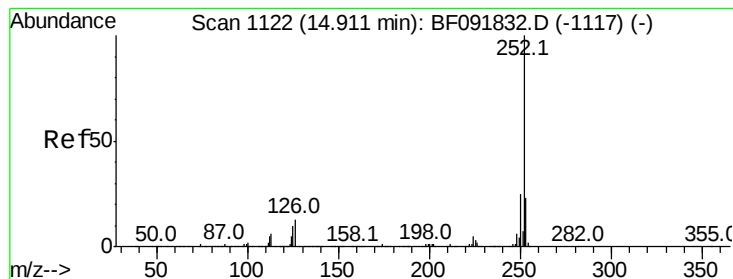
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	21.8	32.6
277	25.0	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 94.56 ng

RT: 14.91 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

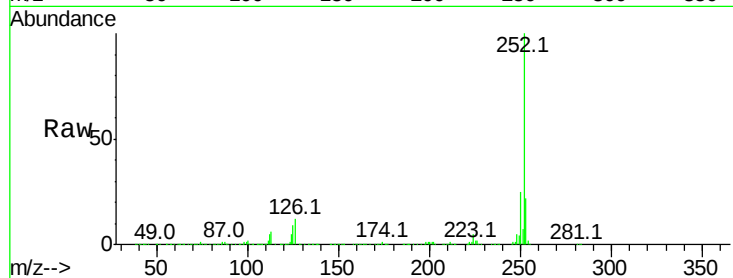
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 1832633

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	9.1	9.8	14.6

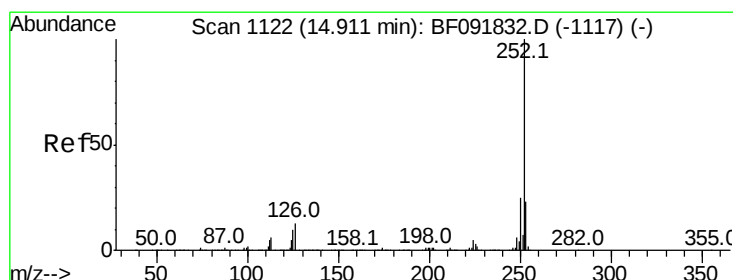
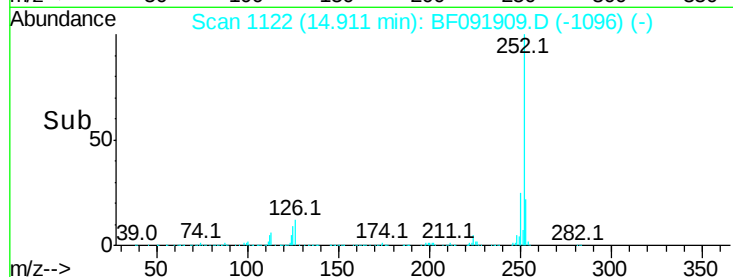
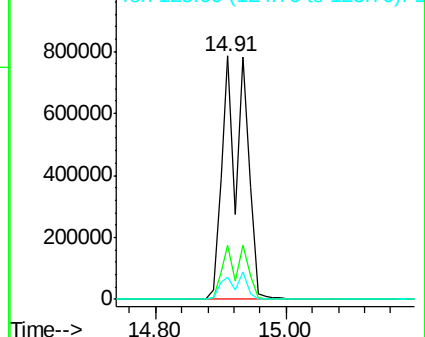


Abundance

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: 110.90 ng

RT: 14.91 min Scan# 1122

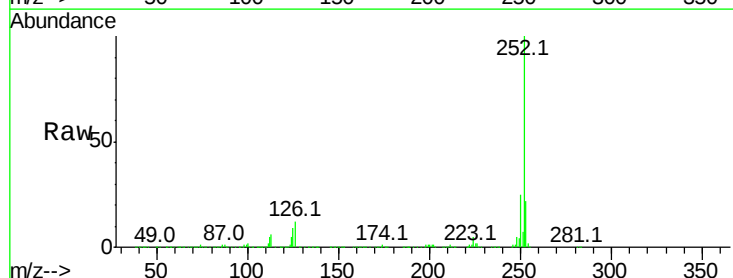
Delta R.T. -0.02 min

Lab File: BF091909.D

Acq: 23 Dec 2016 6:55

Tgt Ion:252 Resp: 1832633

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	9.1	8.9	13.3

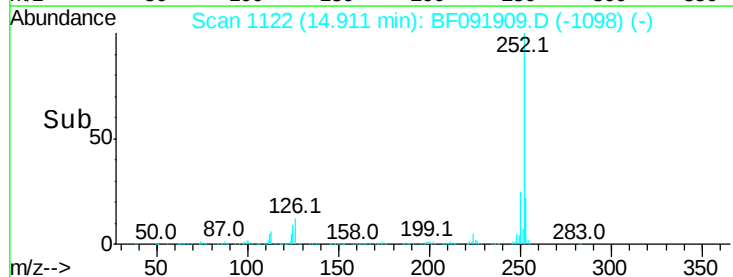
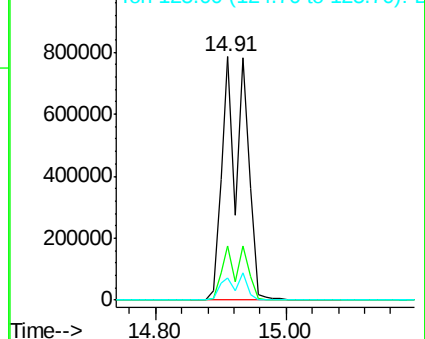


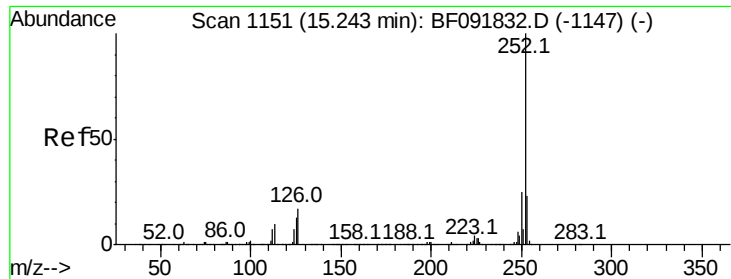
Abundance

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

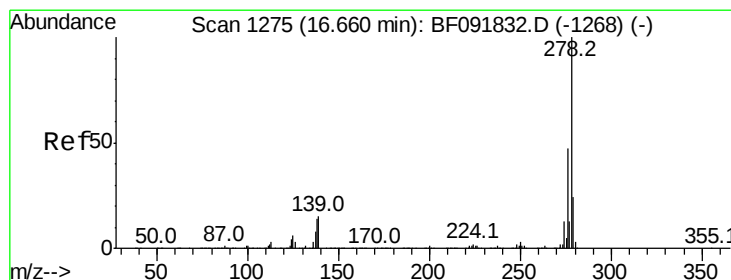
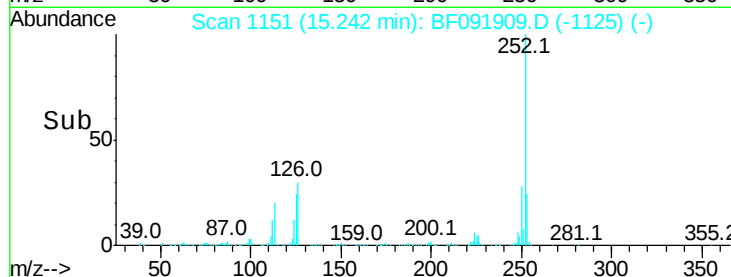
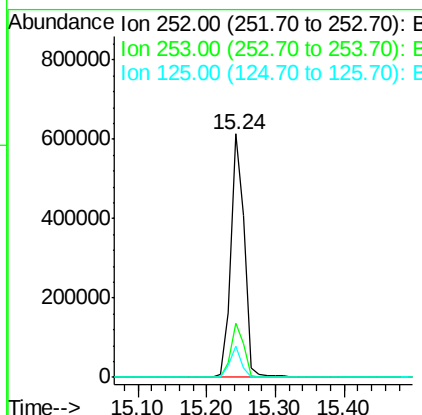
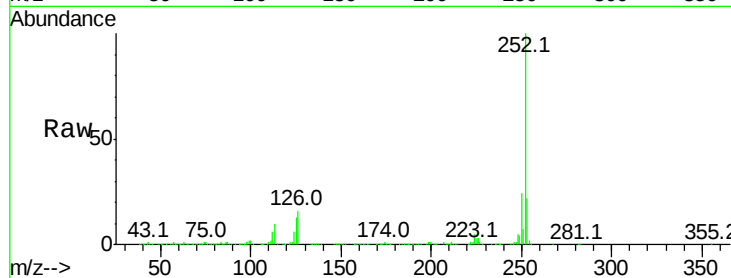




#89
Benzo(a)pyrene
Concen: 49.21 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

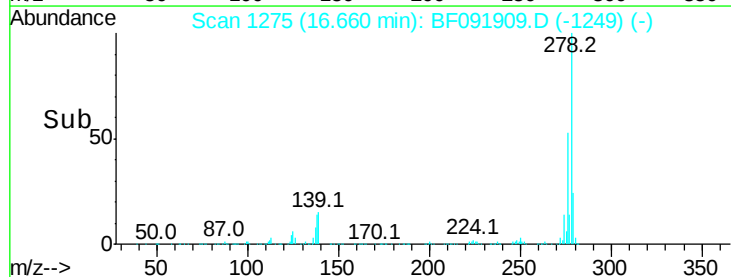
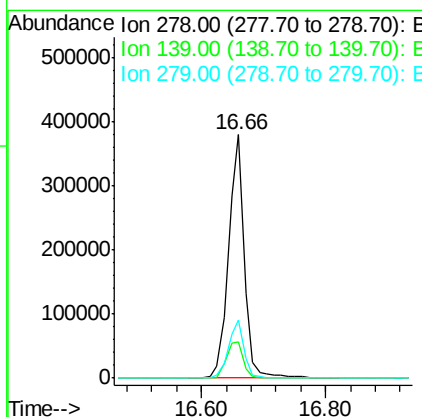
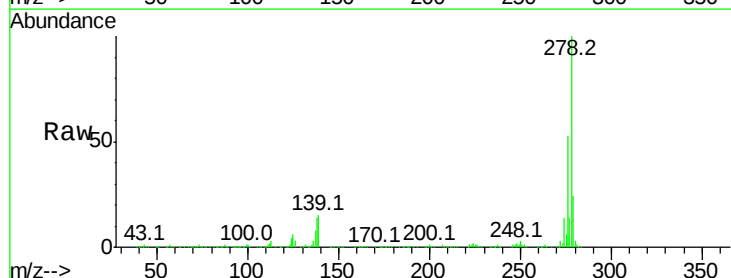
Instrument :
BNA_F
ClientSampleId :

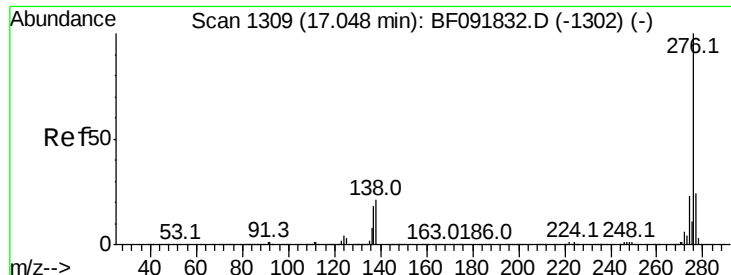
Tot Ion:252 Resp: 846426
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 12.7 10.0 15.0



#90
Dibenzo(a,h)anthracene
Concen: 47.39 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BF091909.D
Acq: 23 Dec 2016 6:55

Tgt Ion:278 Resp: 670072
Ion Ratio Lower Upper
278 100
139 14.8 14.8 22.2#
279 24.0 19.8 29.6

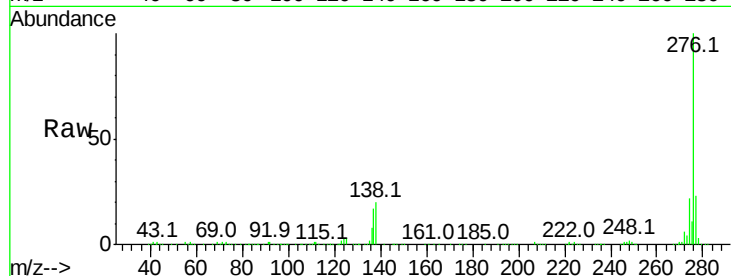




#91
 Benzo(a,h,i)perylene
 Concen: 44.26 ng
 RT: 17.05 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF091909.D
 Acq: 23 Dec 2016 6:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	19.8	16.0	24.0



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

