

Data Path : Z:\HPCHEM1\BNA F\Data\BF122216\
 Data File : BF091911.D
 Acq On : 23 Dec 2016 7:49
 Operator : UM/SJ
 Sample : H6182-02MS
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 16:09:51 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	6.76	152	167350	20.00	ng	0.01
21) Naphthalene-d8	8.08	136	473719	20.00	ng	0.03
38) Acenaphthene-d10	9.82	164	229150	20.00	ng	0.03
63) Phenanthrene-d10	11.28	188	469472	20.00	ng	0.01
75) Chrysene-d12	13.91	240	433505	20.00	ng	0.00
86) Perylene-d12	15.30	264	374662	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1697641	169.38	ng	0.06
7) Phenol-d6	6.45	99	2007678	164.07	ng	0.05
23) Nitrobenzene-d5	7.34	82	1216431	142.79	ng	0.02
41) 2,4,6-Tribromophenol	10.60	330	340142	179.36	ng	0.02
44) 2-Fluorobiphenyl	9.16	172	1414920	133.94	ng	0.05
78) Terphenyl-d14	12.85	244	1432020	80.12	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.36	88	245435	49.74	ng	# 93
3) Pyridine	3.04	79	694418	40.32	ng	# 98
4) n-Nitrosodimethylamine	3.01	42	337116	51.89	ng	# 90
6) Aniline	6.43	93	225260	14.17	ng	# 78
8) 2-Chlorophenol	6.57	128	563448	49.42	ng	# 99
9) Benzaldehyde	6.30	77	139967	16.44	ng	# 74
10) Phenol	6.46	94	829723	59.50	ng	# 83
11) bis(2-Chloroethyl)ether	6.50	93	575925	51.91	ng	# 89
12) 1,3-Dichlorobenzene	6.70	146	569731	46.81	ng	# 91
13) 1,4-Dichlorobenzene	6.78	146	590546	47.67	ng	# 88
14) 1,2-Dichlorobenzene	6.94	146	455762	42.40	ng	# 55
15) Benzyl Alcohol	6.92	79	574305	60.40	ng	# 89
16) 2,2'-oxybis(1-Chloropropan	7.06	45	663506	40.16	ng	# 1
17) 2-Methylphenol	7.23	107	557652	60.82	ng	# 87
18) Hexachloroethane	7.36	117	1609429	350.44	ng	# 31
19) n-Nitroso-di-n-propylamine	7.20	70	951965	116.94	ng	# 86
20) 3+4-Methylphenols	7.23	107	557652	50.99	ng	# 75
22) Acetophenone	7.18	105	695778	59.55	ng	# 90
24) Nitrobenzene	7.36	77	836484	92.19	ng	# 90
25) Isophorone	7.61	82	1765463	112.32	ng	# 45
26) 2-Nitrophenol	7.69	139	172781	38.61	ng	# 1
27) 2,4-Dimethylphenol	7.74	122	461672	62.21	ng	# 90
28) bis(2-Chloroethoxy)methane	7.81	93	500476	52.51	ng	# 2
29) 2,4-Dichlorophenol	7.95	162	426690	67.90	ng	# 73
30) 1,2,4-Trichlorobenzene	8.02	180	368596	53.52	ng	# 92
31) Naphthalene	8.10	128	1507128	69.51	ng	# 83
32) Benzoic acid	7.87	122	75755	13.76	ng	# 6
33) 4-Chloroaniline	8.14	127	156468	16.01	ng	# 30
34) Hexachlorobutadiene	8.22	225	181404	49.90	ng	# 99
35) Caprolactam	8.53	113	838999	406.26	ng	# 1
36) 4-Chloro-3-methylphenol	8.66	107	377569	52.21	ng	# 91
37) 2-Methylnaphthalene	8.81	142	955149	Below	Cal	# 97
39) 1,2,4,5-Tetrachlorobenzene	8.98	216	259783	44.87	ng	# 90
40) Hexachlorocyclopentadiene	8.96	237	105657	42.92	ng	# 97

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 ALS Vial : 51 Sample Multiplier: 1

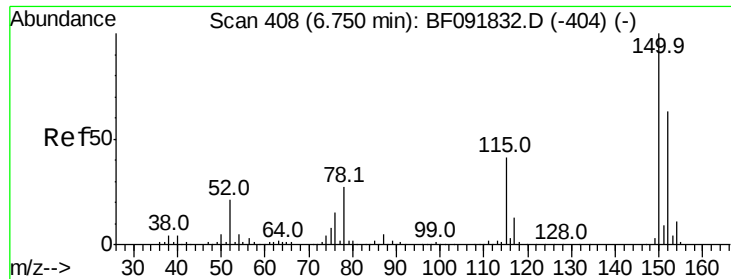
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 16:09:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	9.08	196	178140	44.00	nq	90
43) 2,4,5-Trichlorophenol	9.14	196	132412	31.78	nq	# 1
45) 1,1'-Biphenyl	9.26	154	712191	45.39	nq	99
46) 2-Chloronaphthalene	9.29	162	541572	43.59	nq	# 87
47) 2-Nitroaniline	9.37	65	265550	60.02	nq	# 84
48) Acenaphthylene	9.70	152	962523	50.37	nq	# 90
49) Dimethylphthalate	9.55	163	767354	52.36	nq	# 88
50) 2,6-Dinitrotoluene	9.62	165	216144	67.38	nq	# 68
51) Acenaphthene	9.86	154	633225	48.88	nq	92
52) 3-Nitroaniline	9.78	138	207721	52.32	nq	# 86
53) 2,4-Dinitrophenol	9.89	184	5063	2.84	nq	# 1
54) Dibenzofuran	10.03	168	985515	56.33	nq	# 86
55) 4-Nitrophenol	9.97	139	255261	94.70	nq	# 73
56) 2,4-Dinitrotoluene	10.02	165	255393	63.43	nq	# 88
57) Fluorene	10.36	166	927584	72.87	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.16	232	149927	45.49	nq	# 68
59) Diethylphthalate	10.24	149	895885	62.94	nq	96
60) 4-Chlorophenyl-phenylether	10.35	204	341040	61.19	nq	91
61) 4-Nitroaniline	10.38	138	187383	45.55	nq	96
62) Azobenzene	10.51	77	1083847	69.16	nq	86
64) 4,6-Dinitro-2-methylphenol	10.41	198	24141	8.50	nq	# 1
65) n-Nitrosodiphenylamine	10.46	169	842733	60.49	nq	90
66) 4-Bromophenyl-phenylether	10.83	248	261096	53.46	nq	95
67) Hexachlorobenzene	10.90	284	241671	46.30	nq	# 82
68) Atrazine	10.99	200	245225	54.57	nq	99
69) Pentachlorophenol	11.09	266	191775	74.87	nq	98
70) Phenanthrene	11.30	178	1254421	49.28	nq	98
71) Anthracene	11.36	178	1325767	78.00	nq	99
72) Carbazole	11.52	167	1162932	Below	Cal	99
73) Di-n-butylphthalate	11.85	149	1518251	64.74	nq	# 97
74) Fluoranthene	12.49	202	1257350	57.35	nq	91
76) Benzidine	12.61	184	189997	13.66	nq	# 73
77) Pyrene	12.71	202	1178254	37.04	nq	100
79) Butylbenzylphthalate	13.33	149	731162	50.54	nq	92
80) Benzo(a)anthracene	13.89	228	1138238	46.52	nq	100
81) 3,3'-Dichlorobenzidine	13.86	252	166115	17.90	nq	96
82) Chrysene	13.93	228	1006512	41.01	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	1002852	58.87	nq	# 98
84) Di-n-octyl phthalate	14.50	149	1734997	54.98	nq	100
85) Indeno(1,2,3-cd)pyrene	16.65	276	757556	35.63	nq	98
87) Benzo(b)fluoranthene	14.93	252	2160268	92.61	nq	99
88) Benzo(k)fluoranthene	14.93	252	2160268	108.61	nq	98
89) Benzo(a)pyrene	15.24	252	1034974	49.99	nq	98
90) Dibenzo(a,h)anthracene	16.66	278	636093	37.38	nq	# 95
91) Benzo(g,h,i)perylene	17.05	276	619856	35.03	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

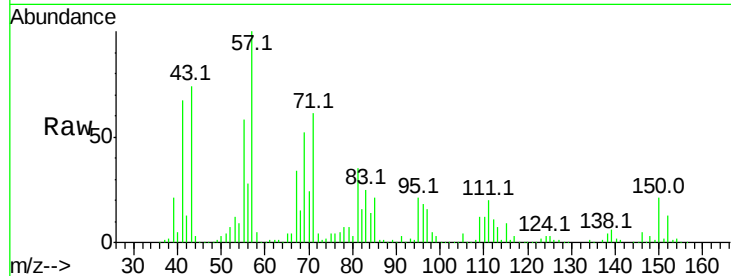
Tot Ion:152 Resp: 167350

Ion Ratio Lower Upper

152 100

150 158.3 124.9 187.3

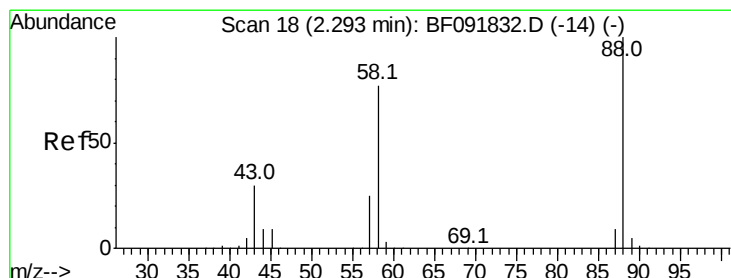
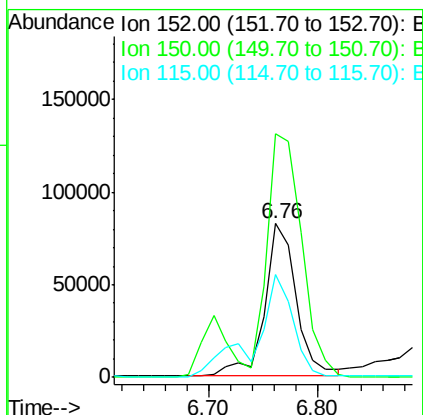
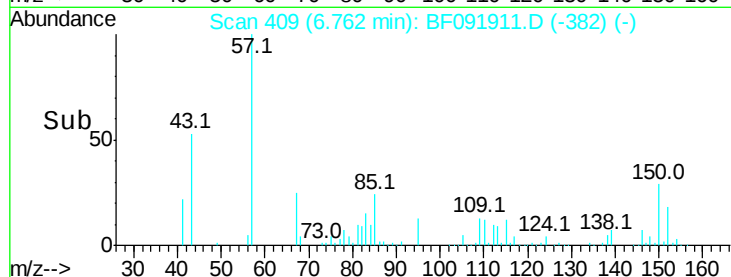
115 66.8 46.0 69.0



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: 49.74 ng

RT: 2.36 min Scan# 24

Delta R.T. 0.07 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

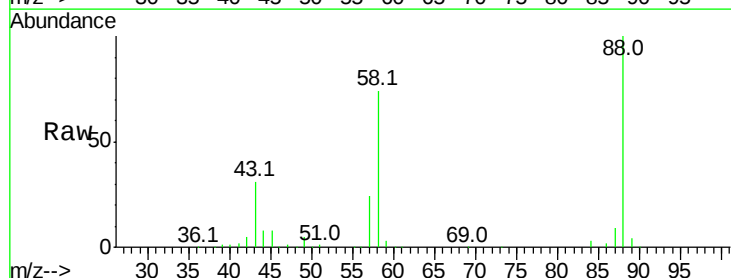
Tgt Ion: 88 Resp: 245435

Ion Ratio Lower Upper

88 100

58 76.4 57.8 86.8

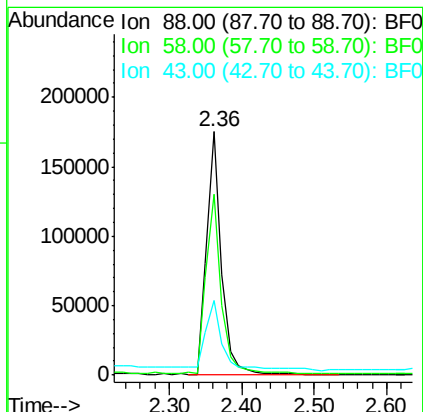
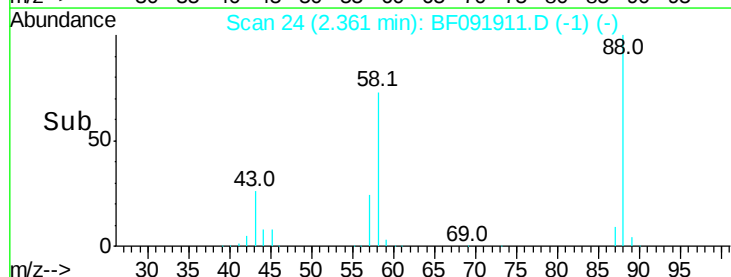
43 33.9 22.3 33.5#

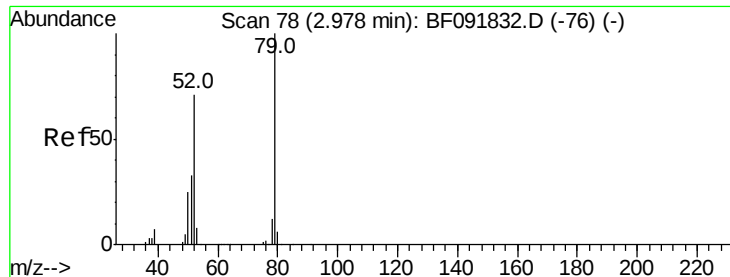


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 40.32 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.06 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

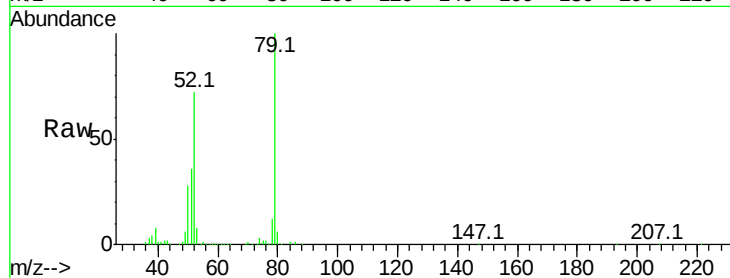
Tot Ion: 79 Resp: 694418

Ion Ratio Lower Upper

79 100

52 72.1 57.1 85.7

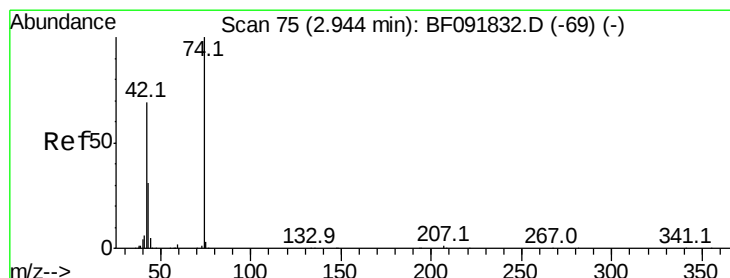
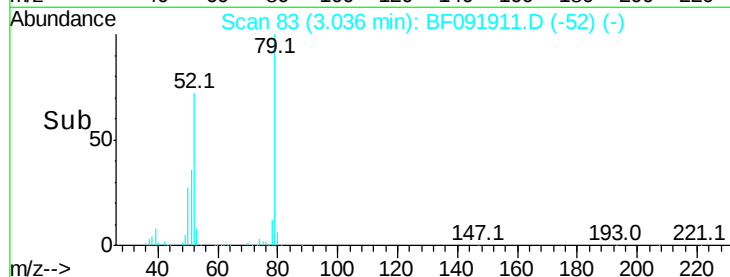
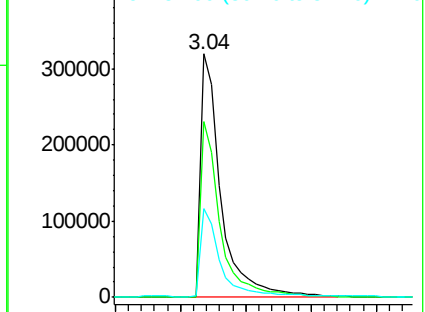
51 36.2 27.3 40.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 51.89 ng

RT: 3.01 min Scan# 81

Delta R.T. 0.07 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

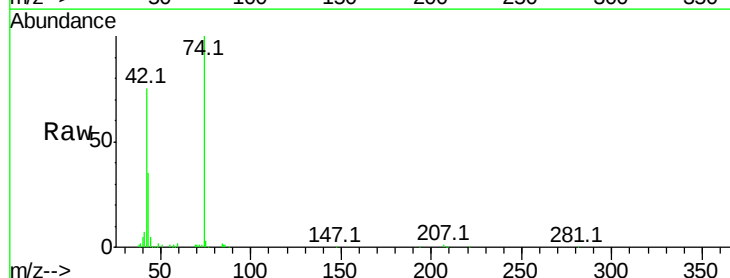
Tgt Ion: 42 Resp: 337116

Ion Ratio Lower Upper

42 100

74 133.5 117.0 175.4

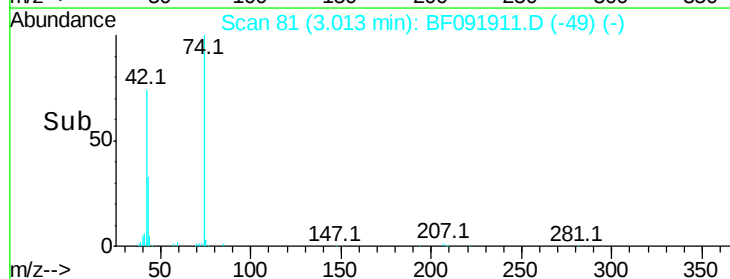
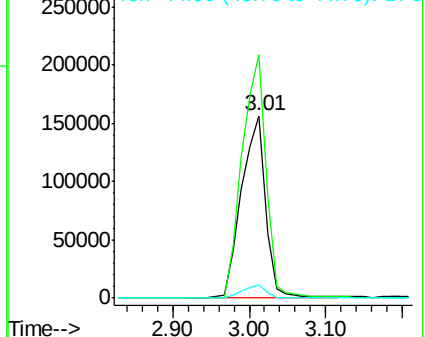
44 7.0 5.5 8.3

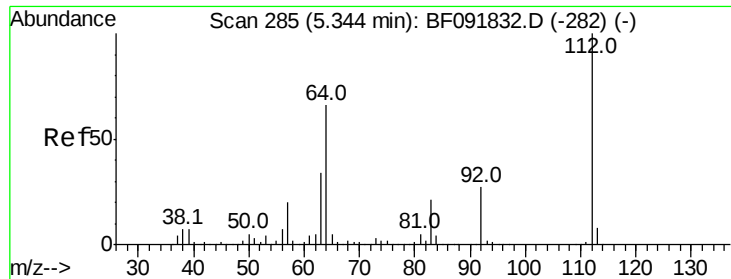


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 169.38 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

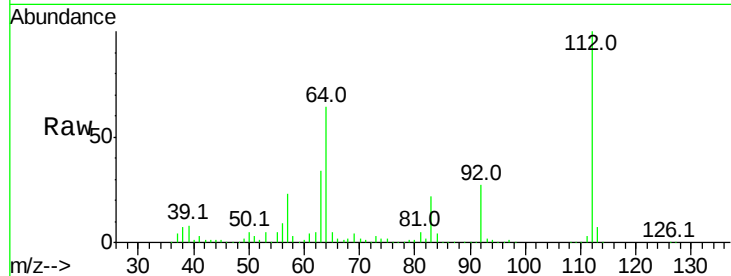
Tot Ion:112 Resp: 1697641

Ion Ratio Lower Upper

112 100

64 64.5 46.1 69.1

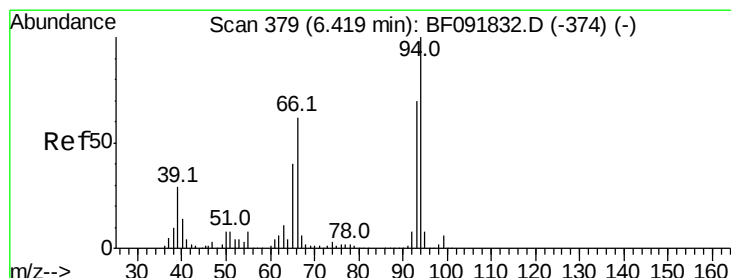
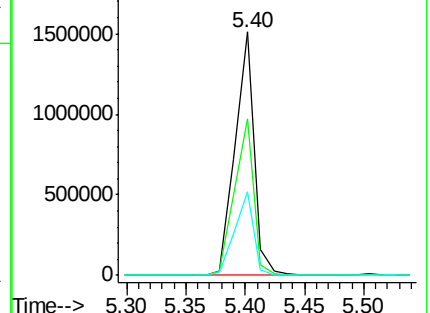
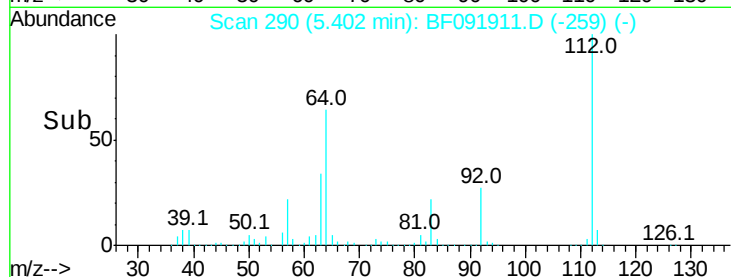
63 34.3 23.8 35.6



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: 14.17 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

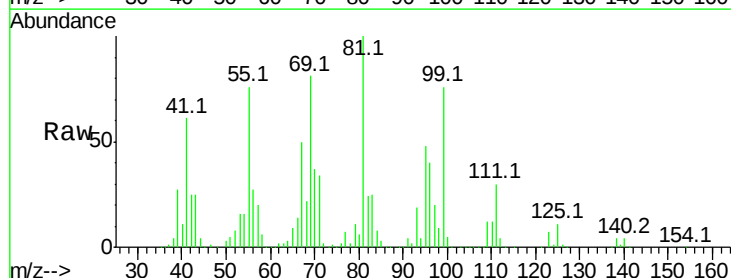
Tgt Ion: 93 Resp: 225260

Ion Ratio Lower Upper

93 100

66 71.2 76.2 114.2#

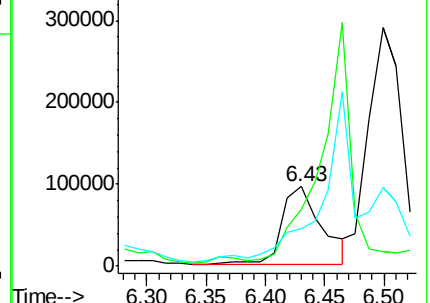
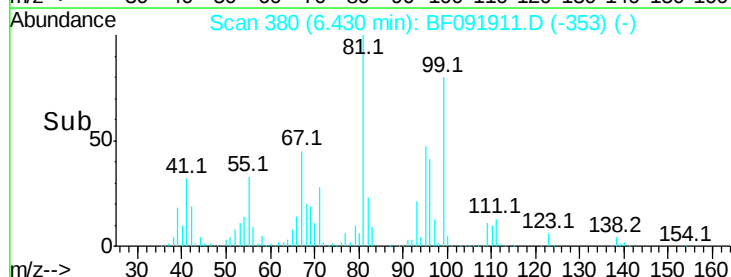
65 47.7 49.3 73.9#

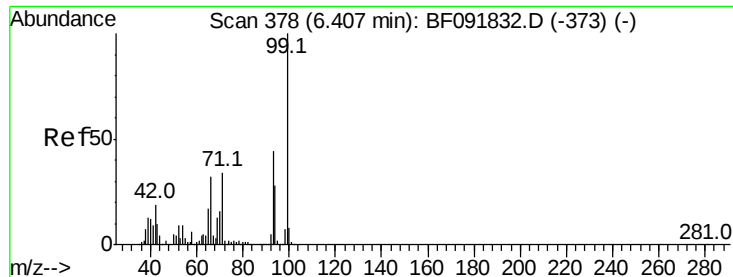


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 164.07 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

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ClientSampleId :

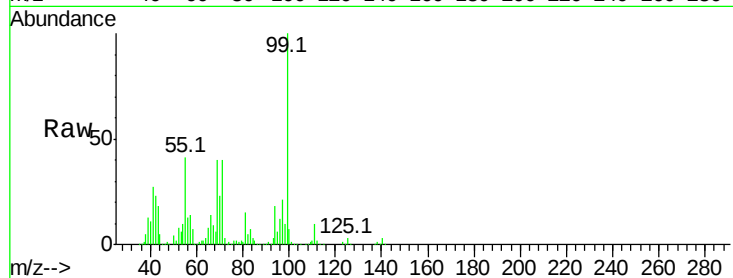
Tot Ion: 99 Resp: 2007678

Ion Ratio Lower Upper

99 100

42 23.1 15.6 23.4

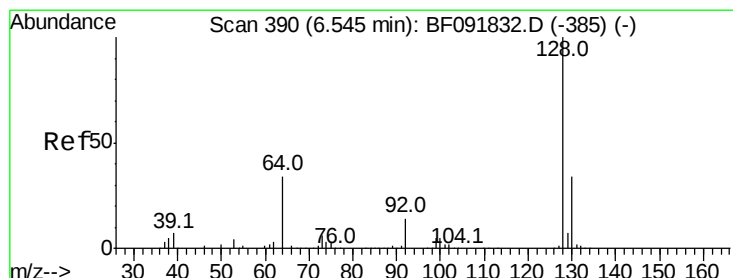
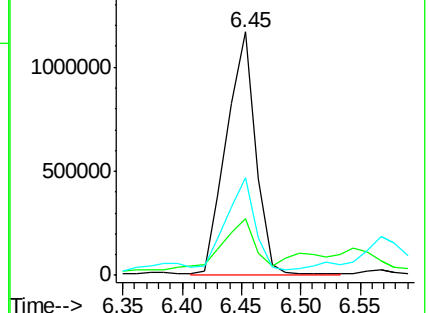
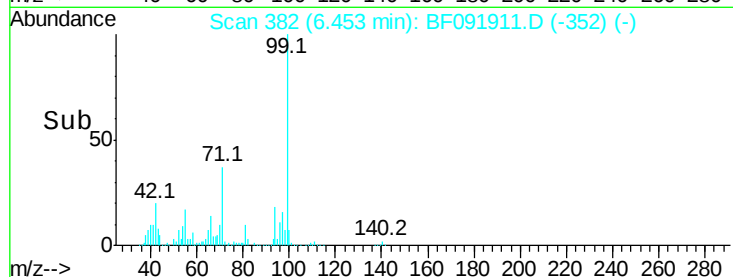
71 40.4 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 49.42 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

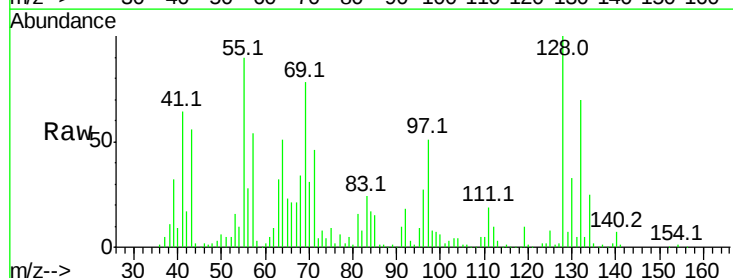
Tgt Ion: 128 Resp: 563448

Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

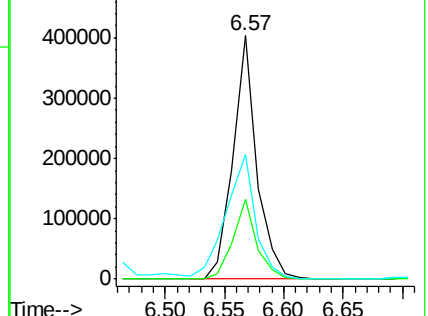
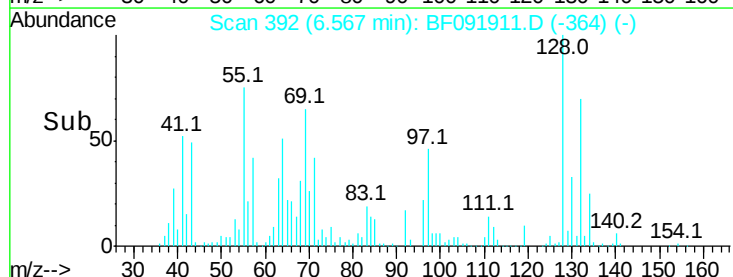
64 51.2 32.2 72.2

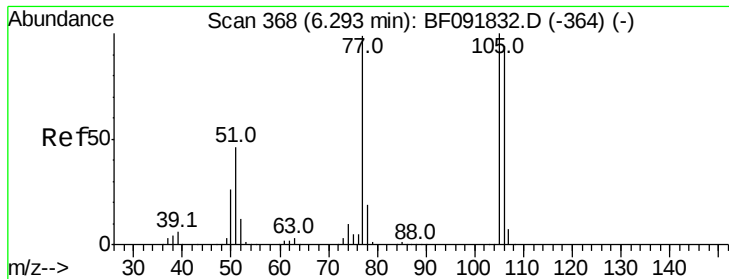


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.44 ng

RT: 6.30 min Scan# 369

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :
BNA_F
ClientSampleId :

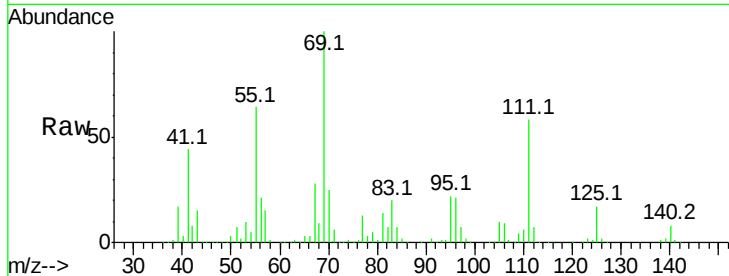
Tot Ion: 77 Resp: 139967

Ion Ratio Lower Upper

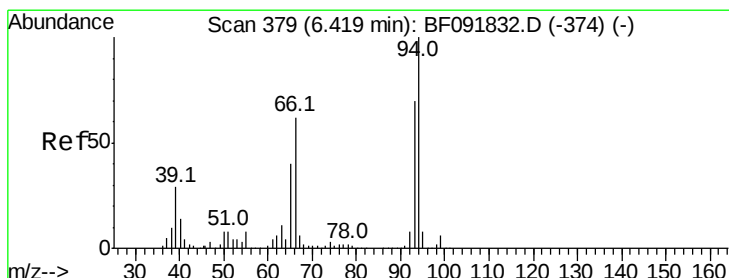
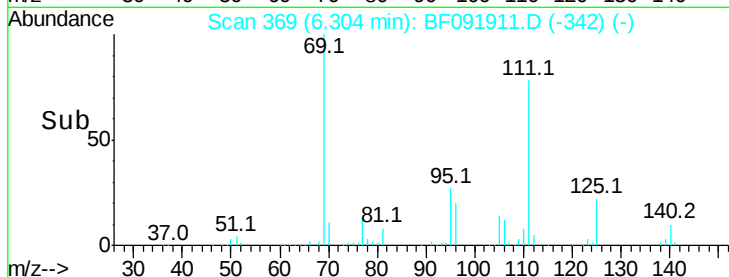
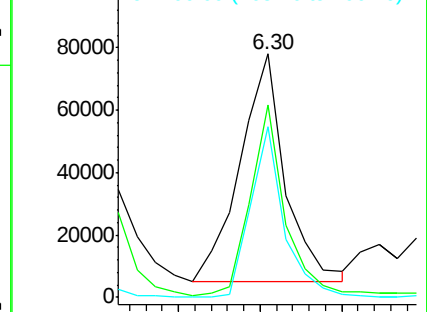
77 100

105 79.1 83.9 123.9#

106 70.0 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: 59.50 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

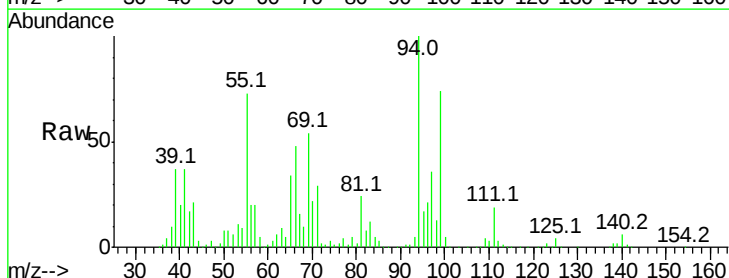
Tgt Ion: 94 Resp: 829723

Ion Ratio Lower Upper

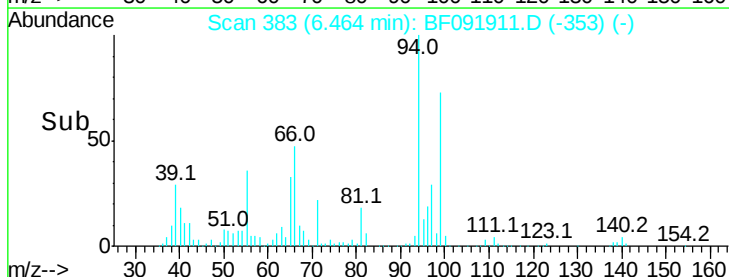
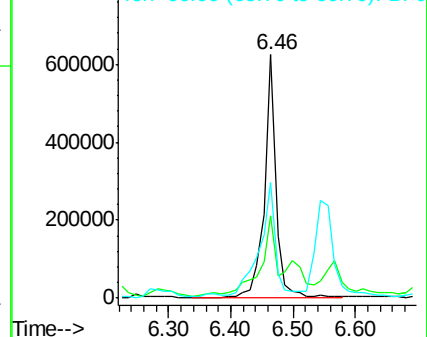
94 100

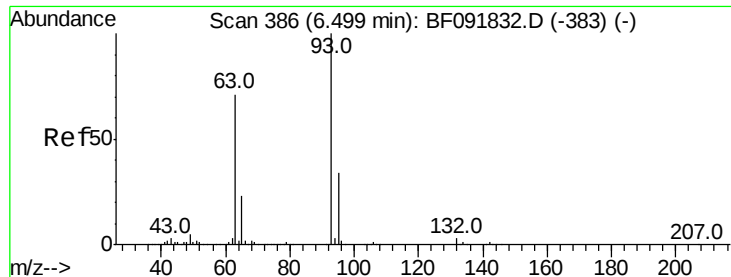
65 34.1 21.4 61.4

66 47.6 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: 51.91 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

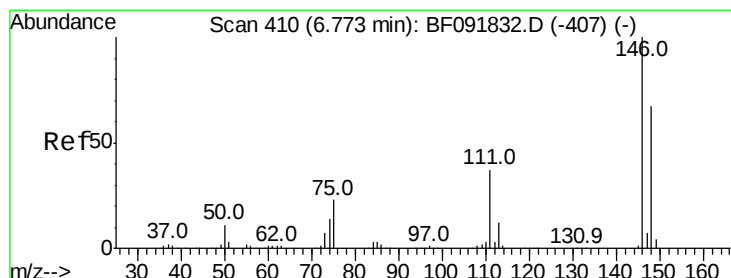
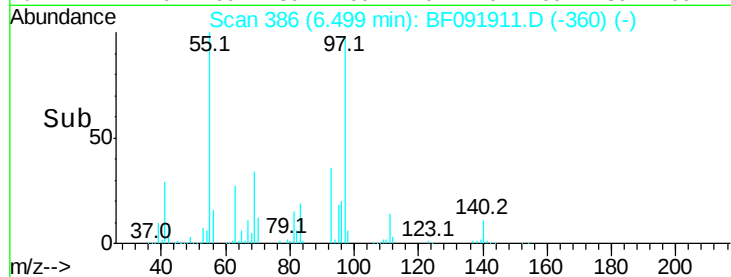
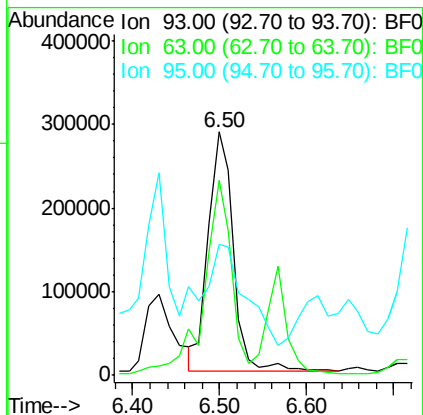
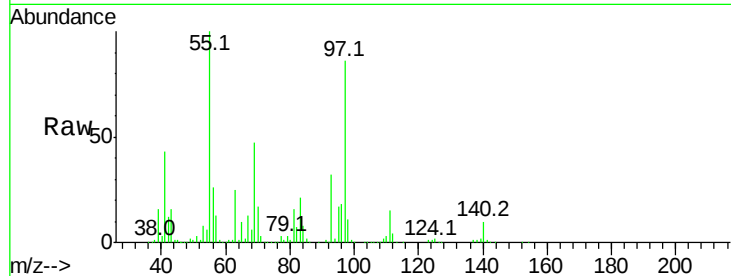
Tot Ion: 93 Resp: 575925

Ion Ratio Lower Upper

93 100

63 80.0 60.4 100.4

95 53.7 12.8 52.8#



#12

1,3-Dichlorobenzene

Concen: 46.81 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

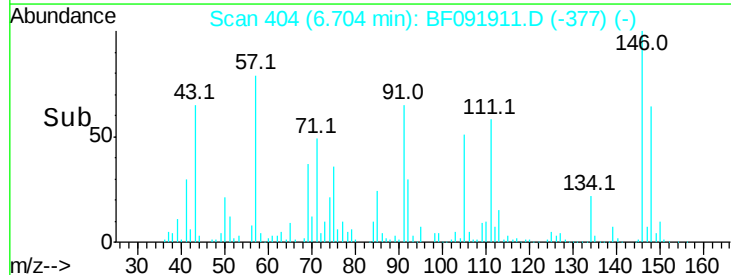
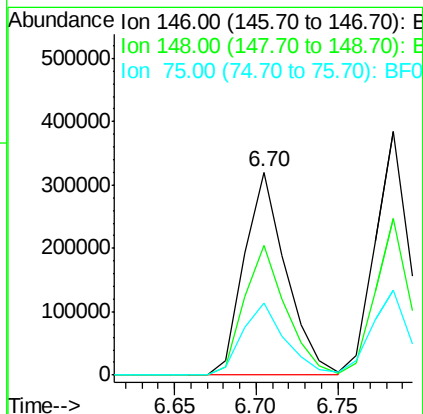
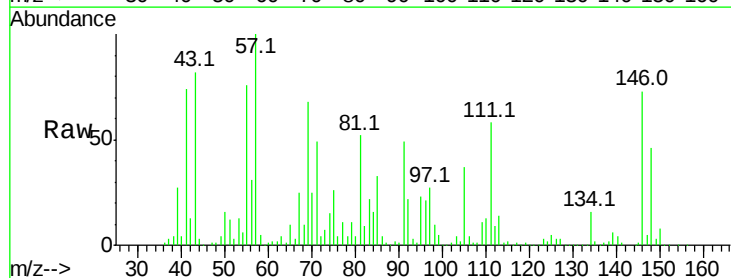
Tgt Ion: 146 Resp: 569731

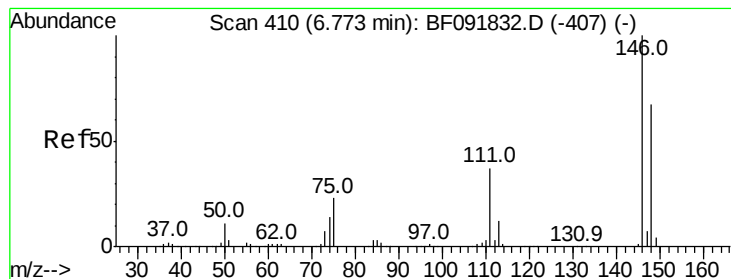
Ion Ratio Lower Upper

146 100

148 64.0 53.4 80.0

75 35.7 18.5 27.7#





#13

1,4-Dichlorobenzene

Concen: 47.67 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

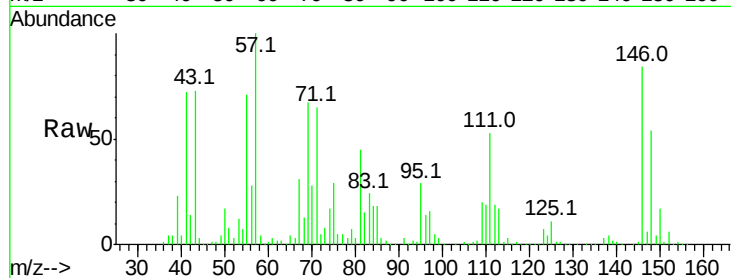
Tot Ion:146 Resp: 590546

Ion Ratio Lower Upper

146 100

148 64.5 50.6 76.0

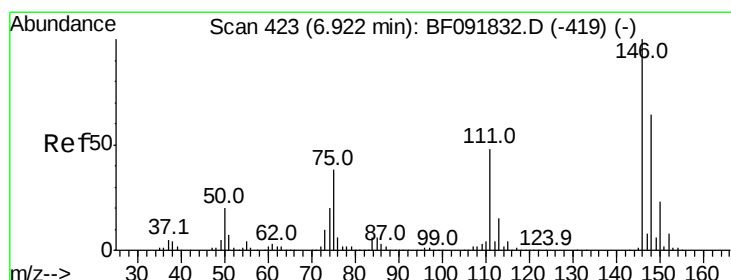
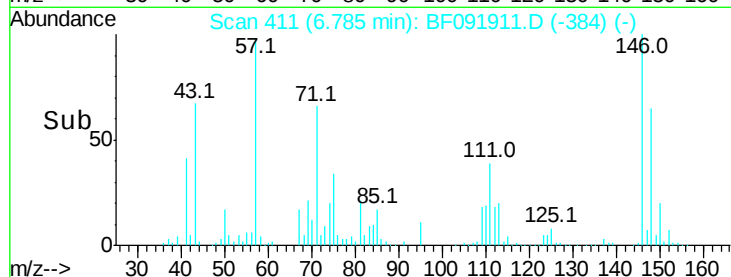
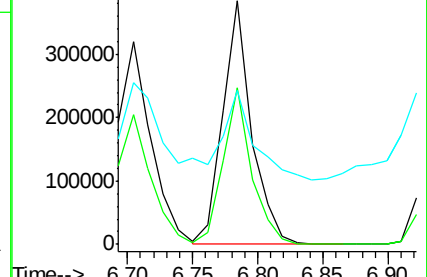
111 63.0 36.2 54.4#



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: 42.40 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

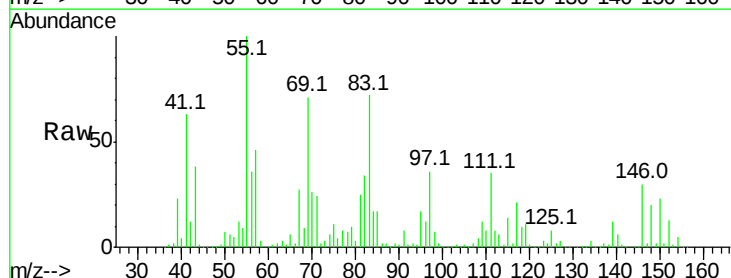
Tgt Ion:146 Resp: 455762

Ion Ratio Lower Upper

146 100

148 65.5 52.2 78.2

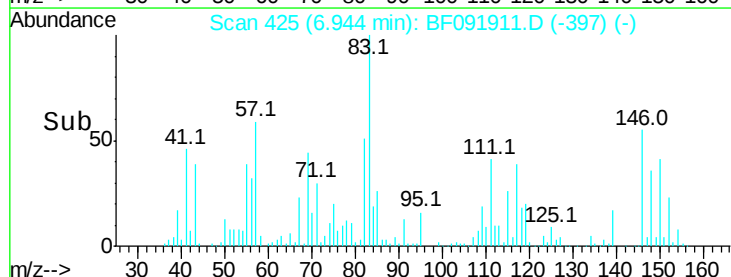
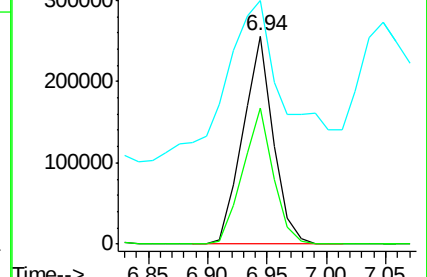
111 117.1 36.2 54.2#

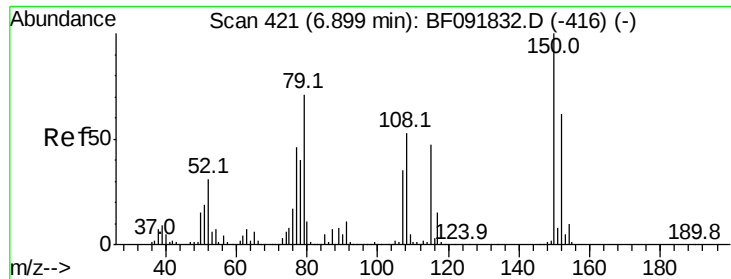


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

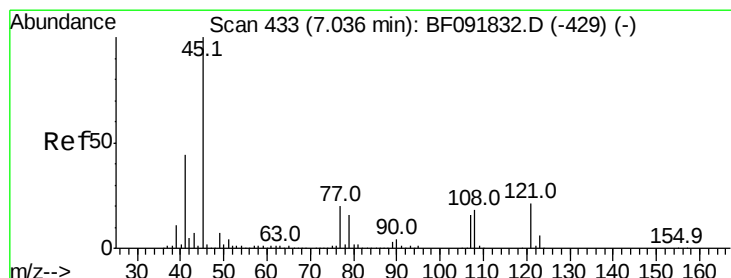
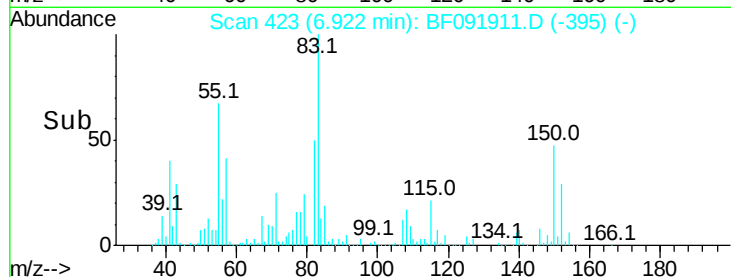
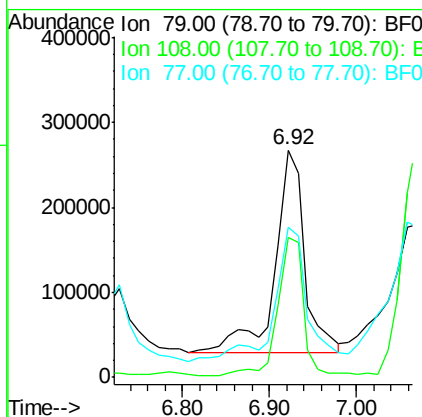
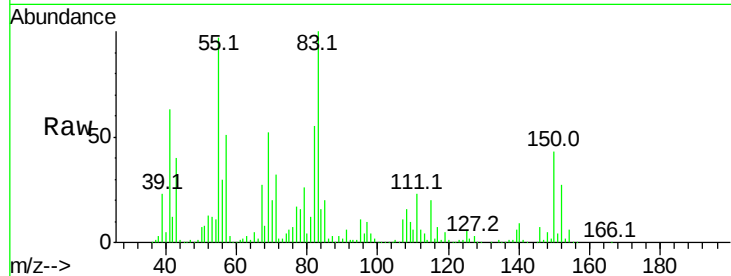




#15
Benzyl Alcohol
Concen: 60.40 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.02 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

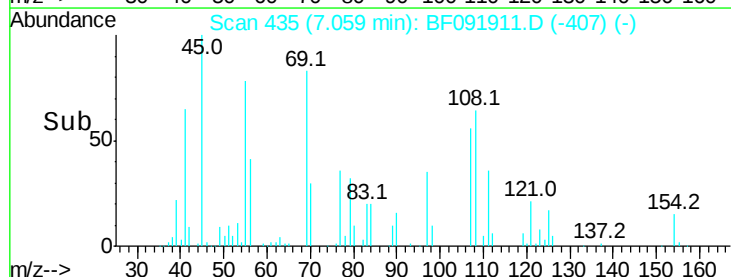
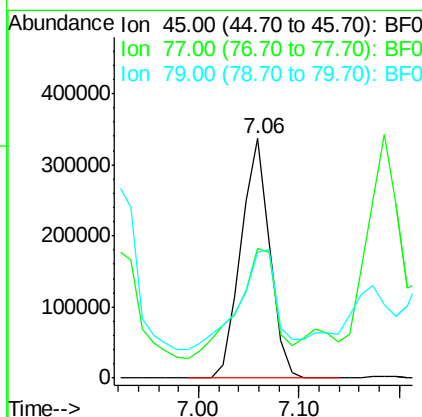
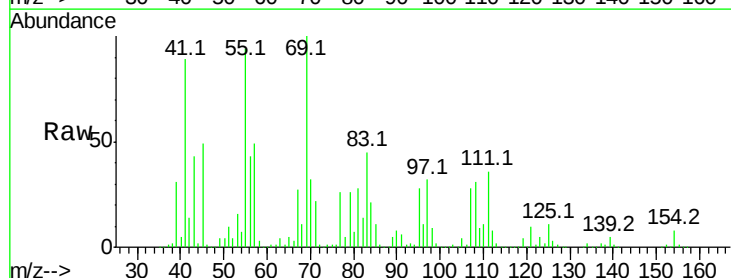
Instrument :
BNA_F
ClientSampled :

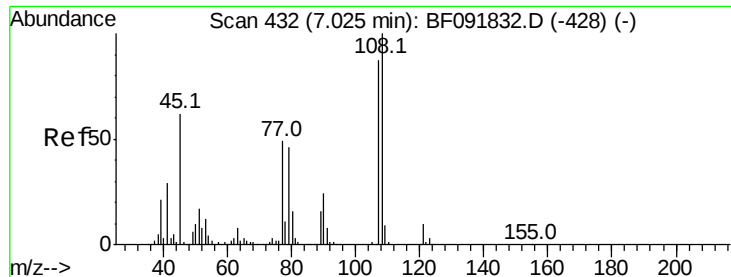
Tot Ion: 79 Resp: 574305
Ion Ratio Lower Upper
79 100
108 61.9 61.4 92.0
77 66.0 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.16 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.02 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion: 45 Resp: 663506
Ion Ratio Lower Upper
45 100
77 54.3 0.0 34.6#
79 52.4 0.0 31.2#





#17

2-Methylphenol

Concen: 60.82 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.21 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 557652

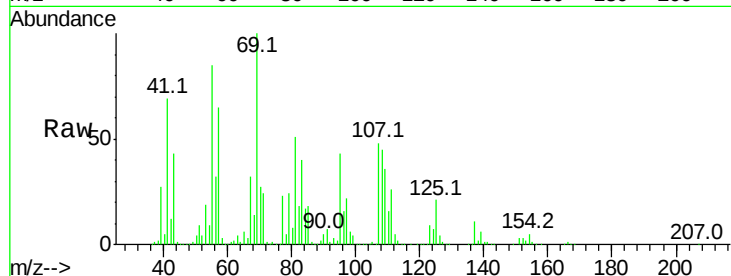
Ion Ratio Lower Upper

107 100

108 93.9 93.0 139.6

77 47.3 39.8 59.8

79 49.4 38.0 57.0

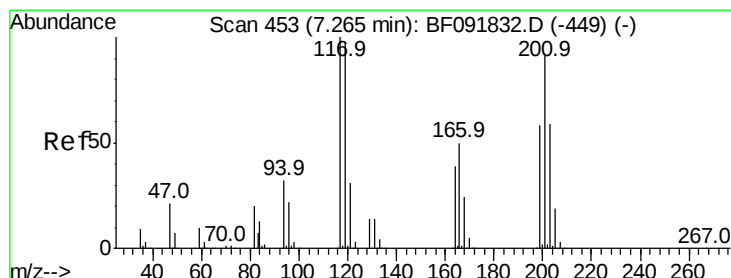
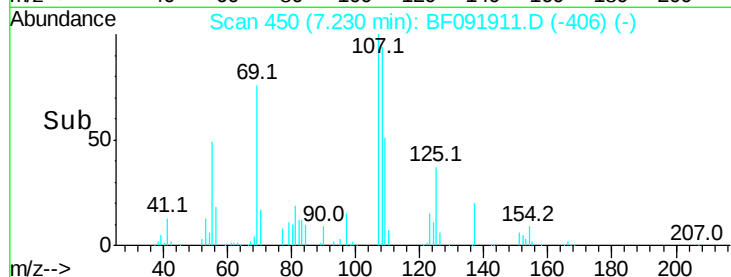
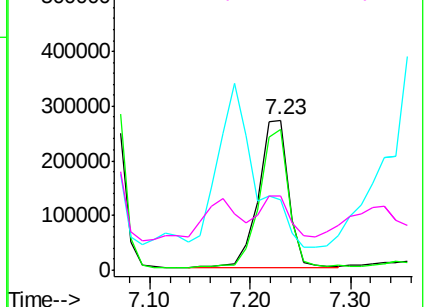


Abundance Ion 107.00 (106.70 to 107.70): E

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: 350.44 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.09 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

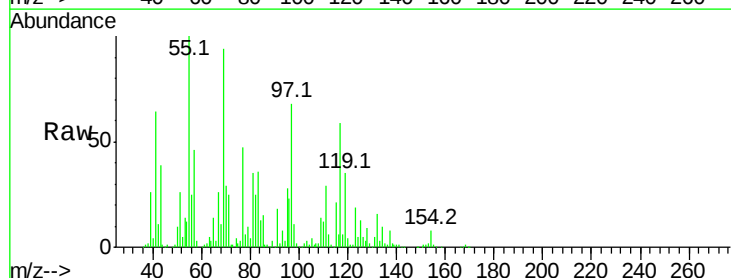
Tgt Ion:117 Resp: 1609429

Ion Ratio Lower Upper

117 100

119 59.2 78.1 117.1#

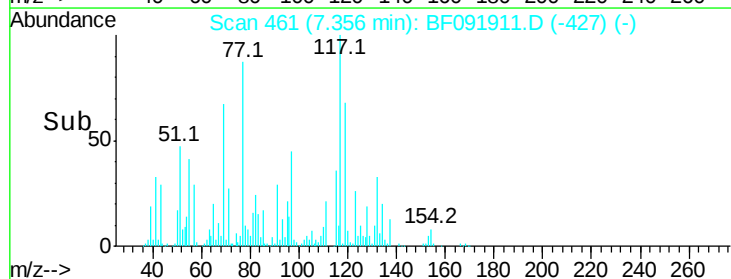
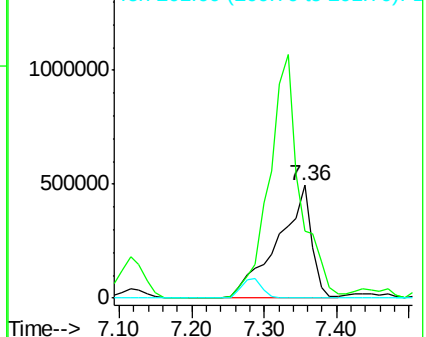
201 0.0 78.6 117.8#

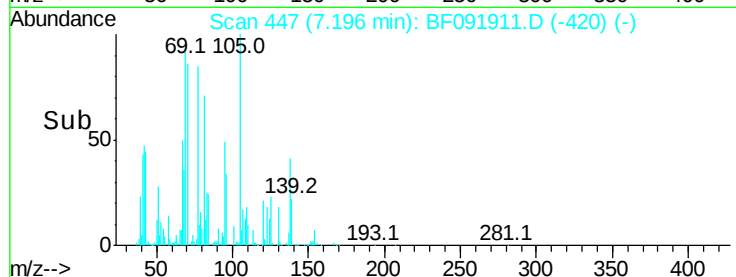
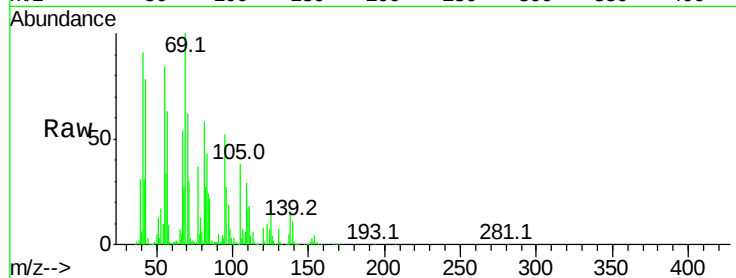
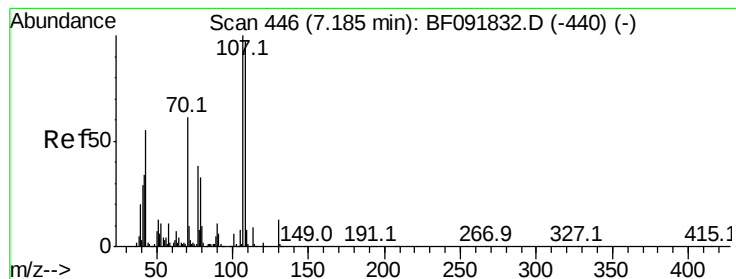


Abundance Ion 117.00 (116.70 to 117.70): E

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: 116.94 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 951965

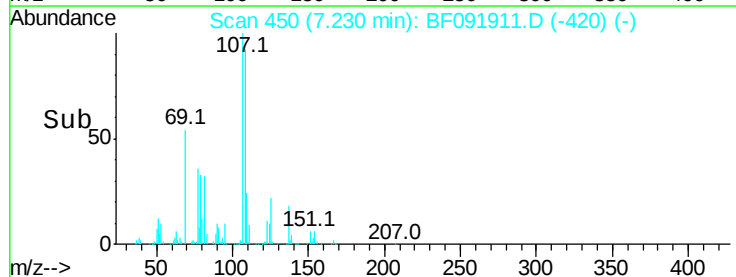
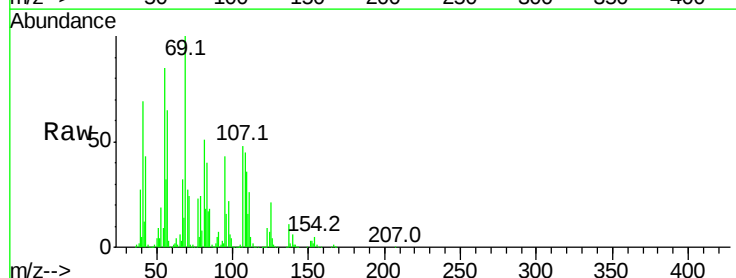
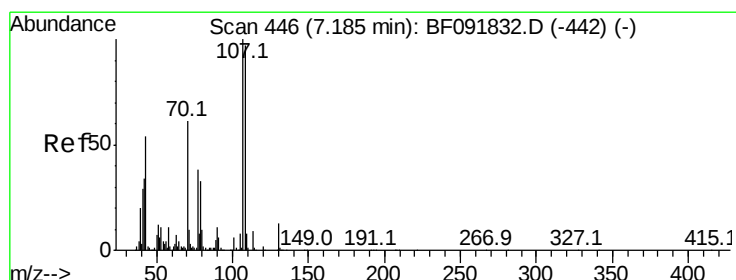
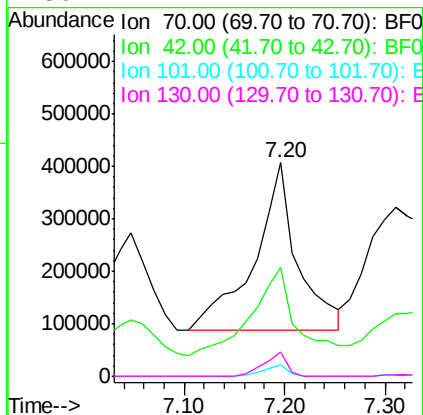
Ion Ratio Lower Upper

70 100

42 50.8 49.4 74.0

101 5.3 7.4 11.2#

130 11.2 14.2 21.4#



#20

3+4-Methylphenols

Concen: 50.99 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Tgt Ion: 107 Resp: 557652

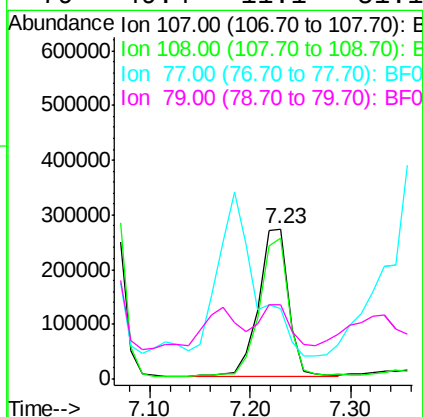
Ion Ratio Lower Upper

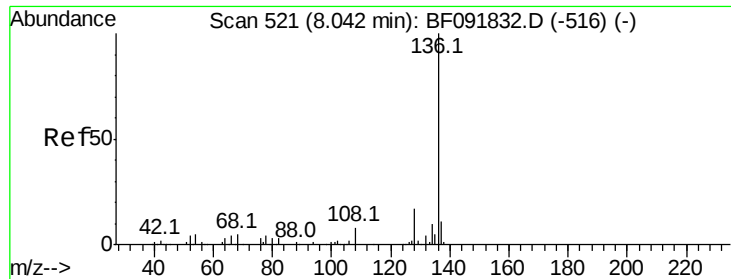
107 100

108 93.9 73.0 113.0

77 47.3 71.3 111.3#

79 49.4 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 473719

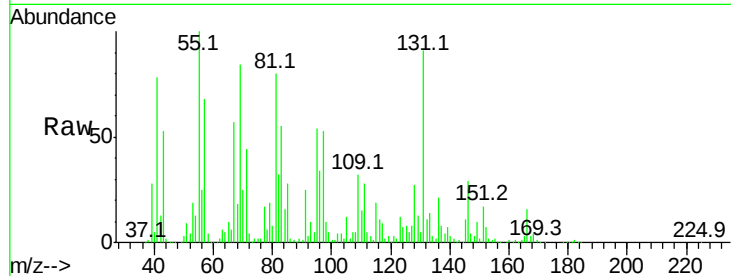
Ion Ratio Lower Upper

136 100

137 36.9 8.4 12.6#

54 62.5 4.5 6.7#

68 85.0 3.6 5.4#

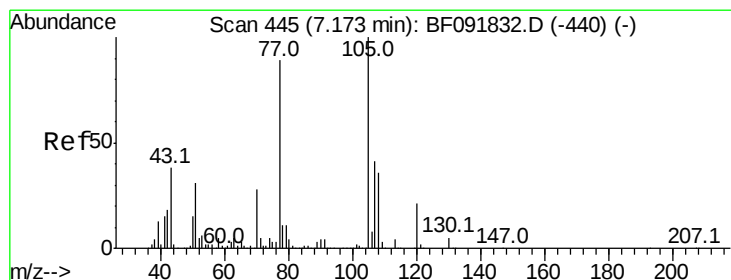
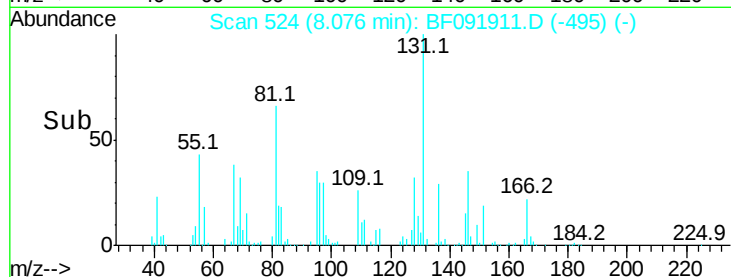
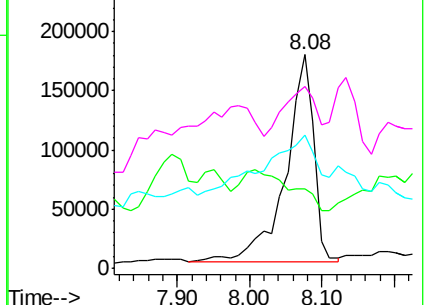


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 59.55 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Tgt Ion:105 Resp: 695778

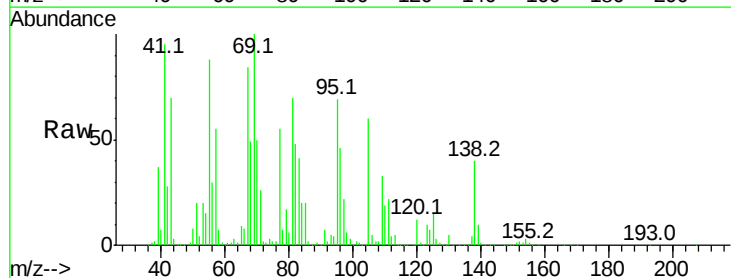
Ion Ratio Lower Upper

105 100

71 43.4 3.2 4.8#

51 33.4 26.2 39.4

120 19.7 16.6 24.8

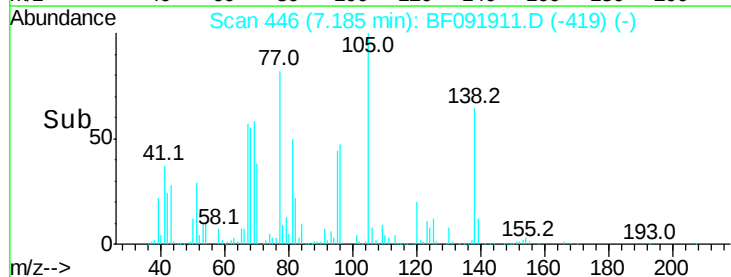
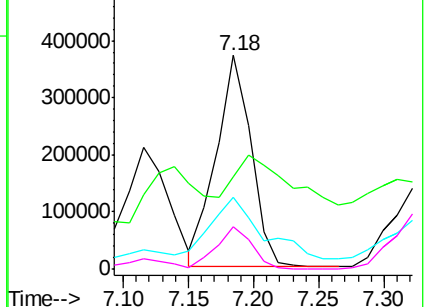


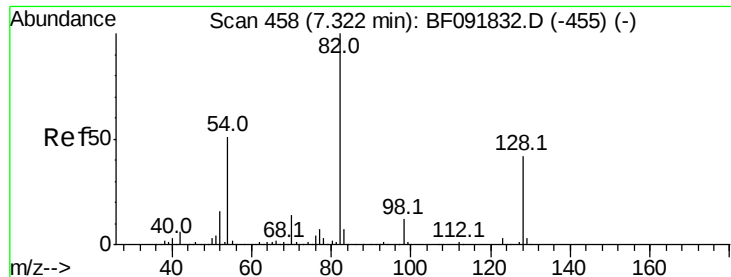
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

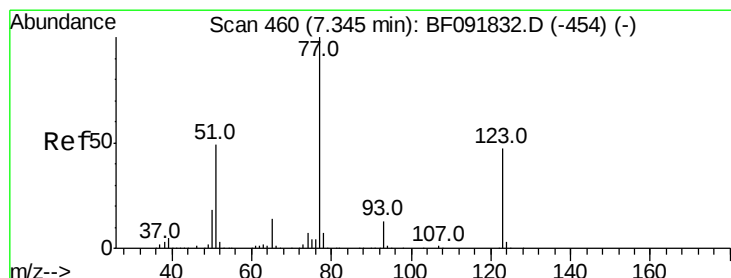
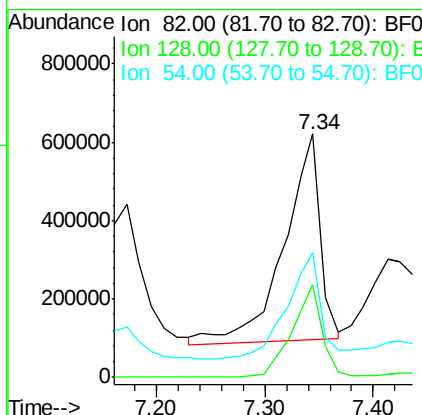
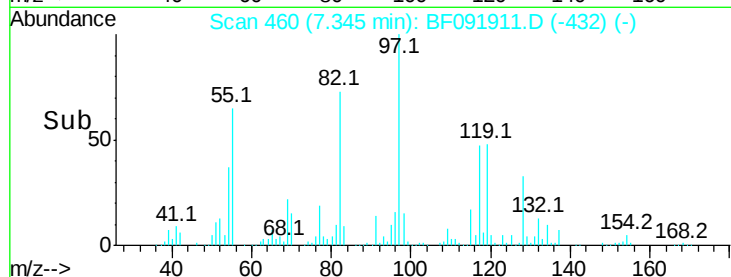
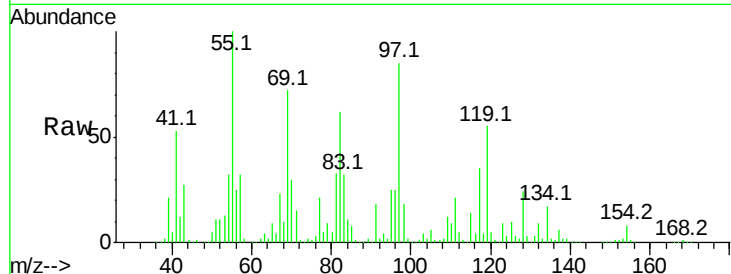




#23
 Nitrobenzene-d5
 Concen: 142.79 ng
 RT: 7.34 min Scan# 460
 Delta R.T. 0.02 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

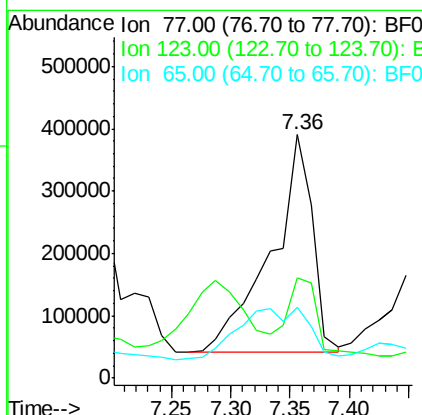
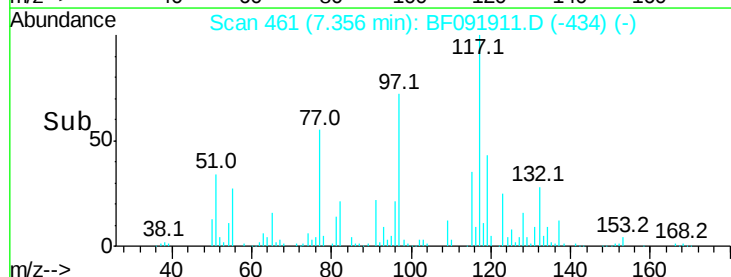
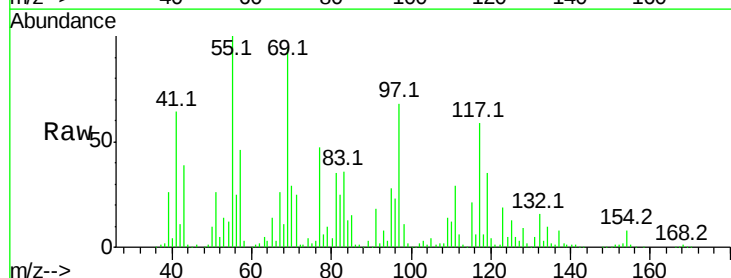
Instrument :
 BNA_F
 ClientSampleId :

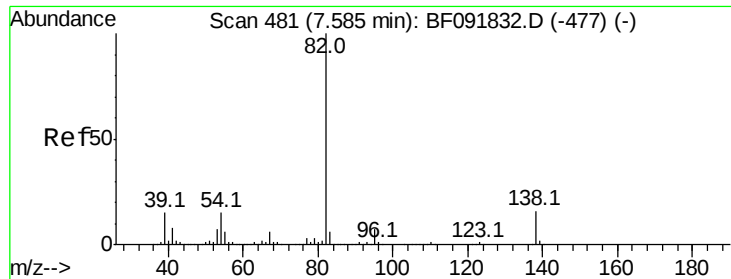
Tot Ion: 82 Resp: 1216431
 Ion Ratio Lower Upper
 82 100
 128 38.2 34.6 52.0
 54 51.1 39.5 59.3



#24
 Nitrobenzene
 Concen: 92.19 ng
 RT: 7.36 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion: 77 Resp: 836484
 Ion Ratio Lower Upper
 77 100
 123 41.1 33.0 49.4
 65 29.1 11.2 16.8#





#25

Isophorone

Concen: 112.32 ng

RT: 7.61 min Scan# 483

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampled :

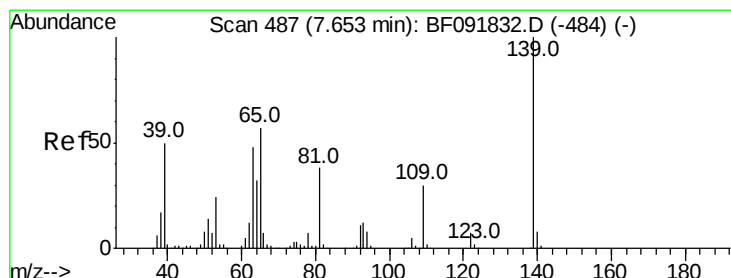
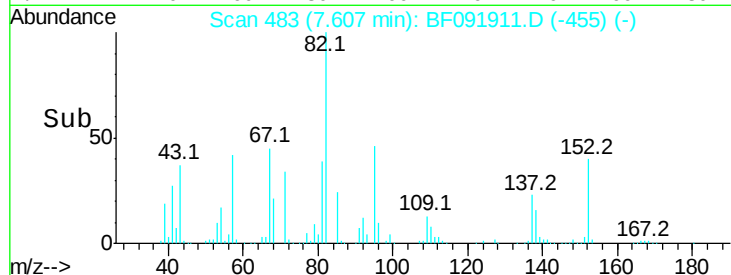
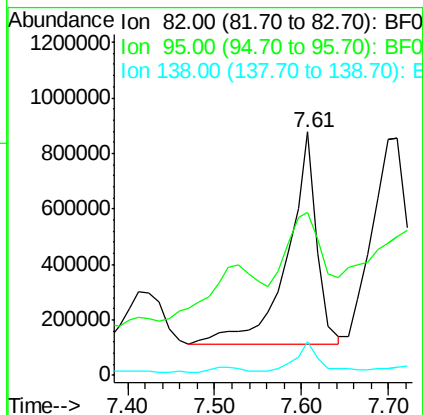
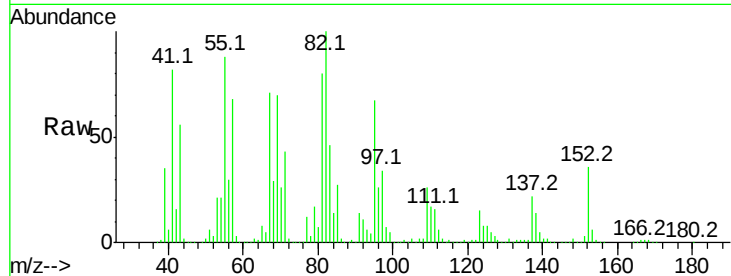
Tot Ion: 82 Resp: 1765463

Ion Ratio Lower Upper

82 100

95 67.0 5.6 8.4#

138 13.9 14.6 22.0#



#26

2-Nitrophenol

Concen: 38.61 ng

RT: 7.69 min Scan# 490

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

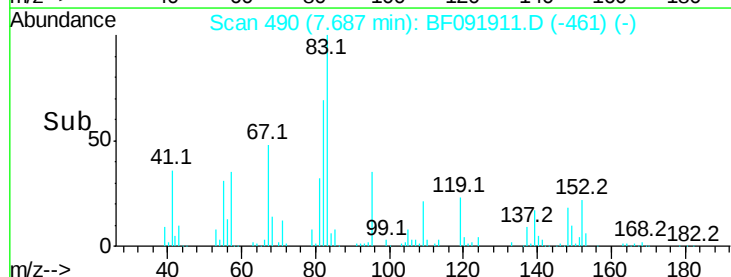
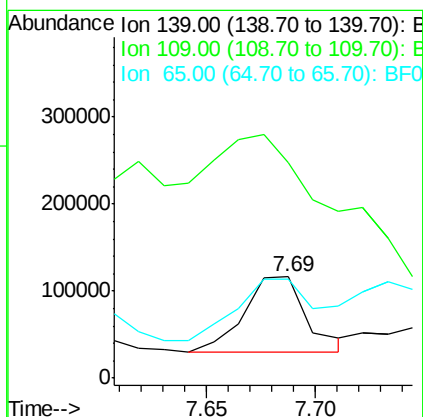
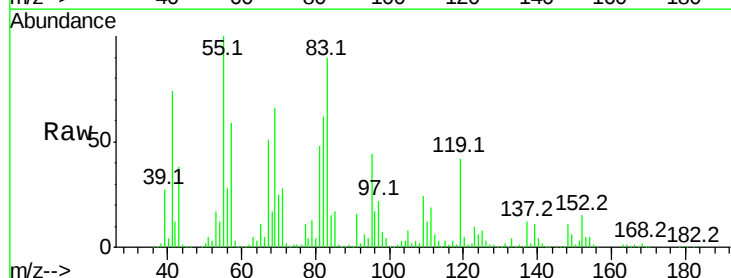
Tgt Ion: 139 Resp: 172781

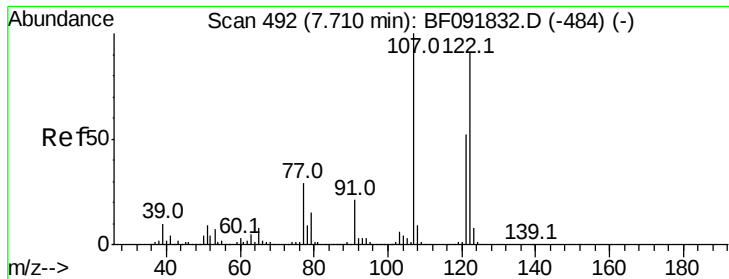
Ion Ratio Lower Upper

139 100

109 213.4 23.3 34.9#

65 98.1 42.7 64.1#





#27

2,4-Dimethylphenol

Concen: 62.21 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampled :

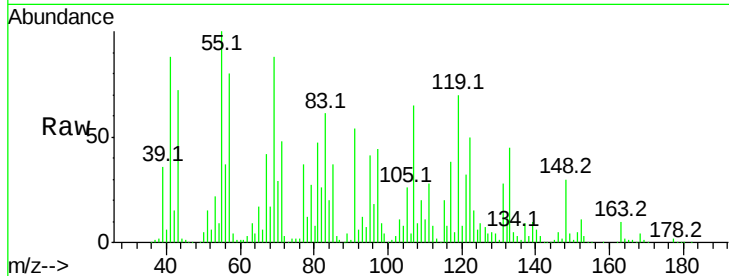
Tot Ion:122 Resp: 461672

Ion Ratio Lower Upper

122 100

107 129.5 94.1 141.1

121 64.2 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

500000

400000

300000

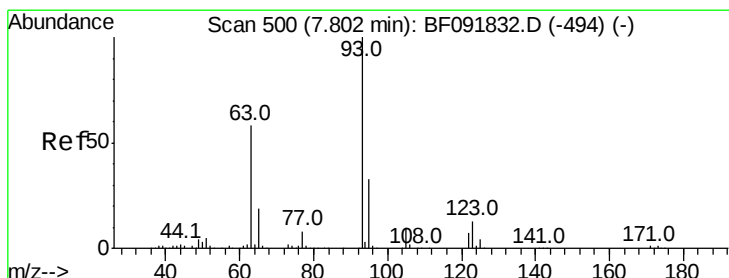
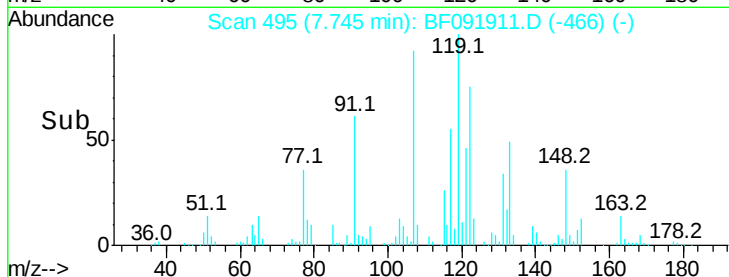
200000

100000

0

7.60 7.70 7.80

Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 52.51 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

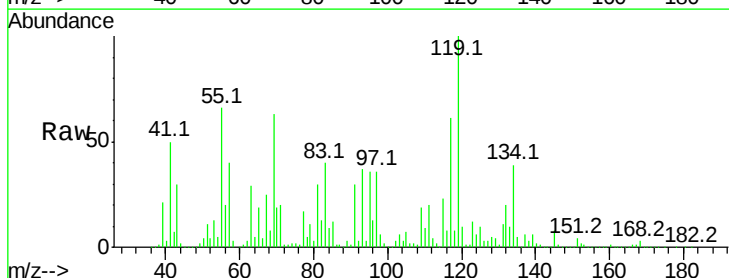
Tgt Ion: 93 Resp: 500476

Ion Ratio Lower Upper

93 100

95 96.9 26.5 39.7#

123 31.3 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

600000

500000

400000

300000

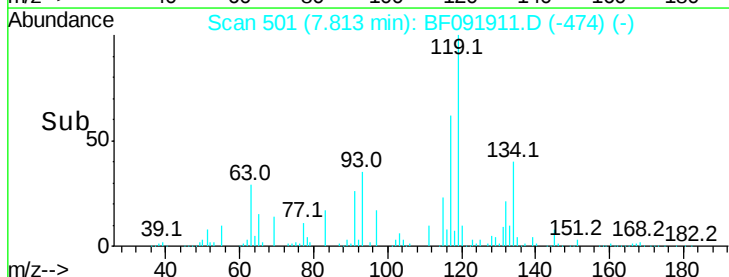
200000

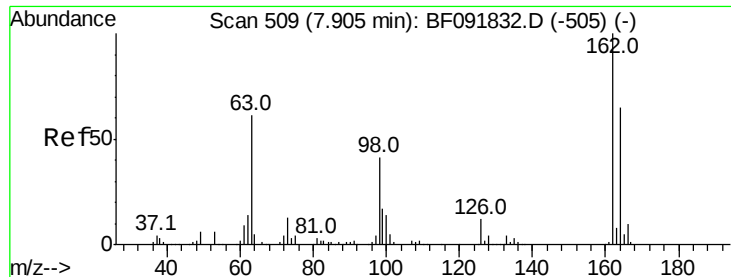
100000

0

7.75 7.80 7.85

Time-->





#29

2,4-Dichlorophenol

Concen: 67.90 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

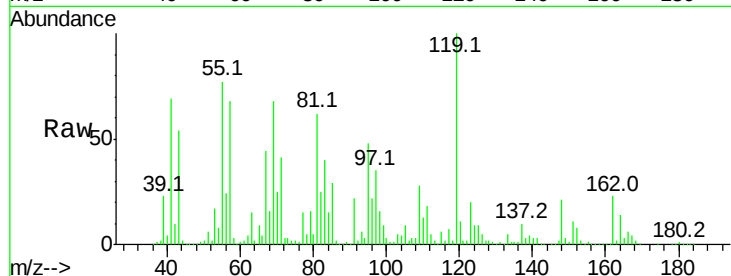
Tot Ion:162 Resp: 426690

Ion Ratio Lower Upper

162 100

164 61.9 46.8 86.8

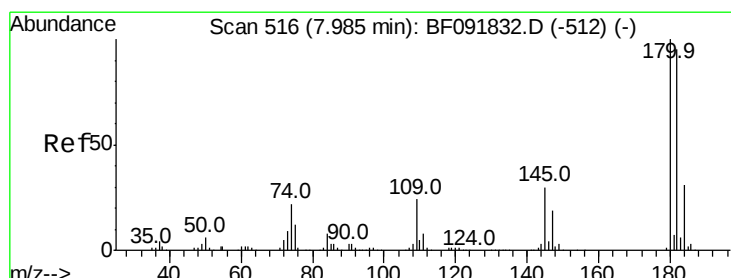
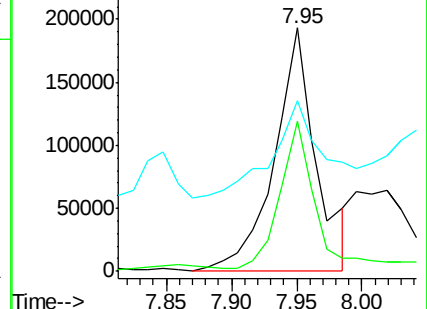
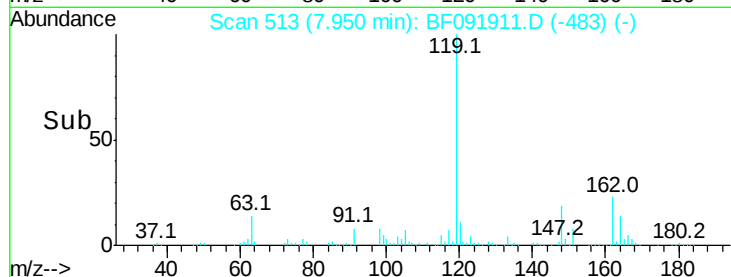
98 69.9 9.1 49.1#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 53.52 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

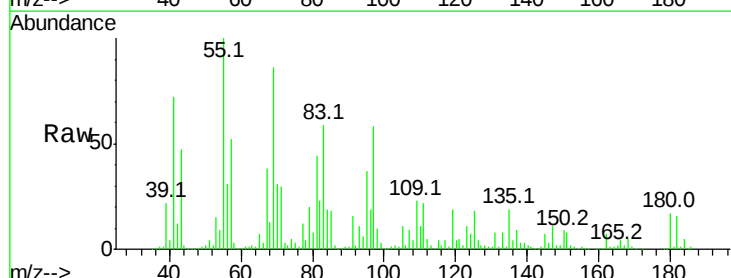
Tgt Ion:180 Resp: 368596

Ion Ratio Lower Upper

180 100

182 94.7 78.2 117.4

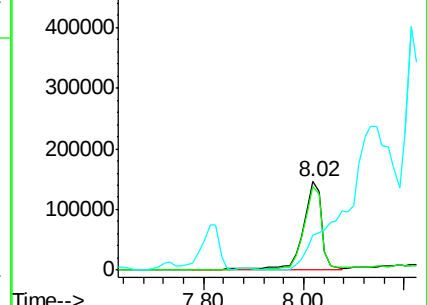
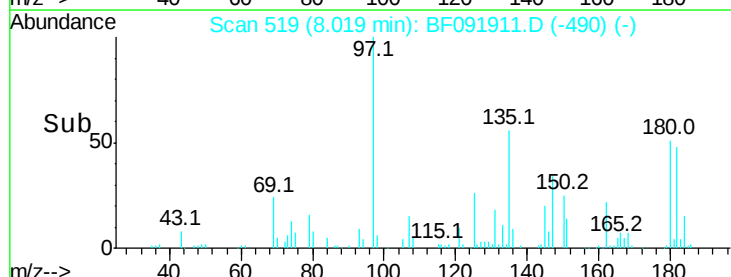
145 39.6 21.6 32.4#

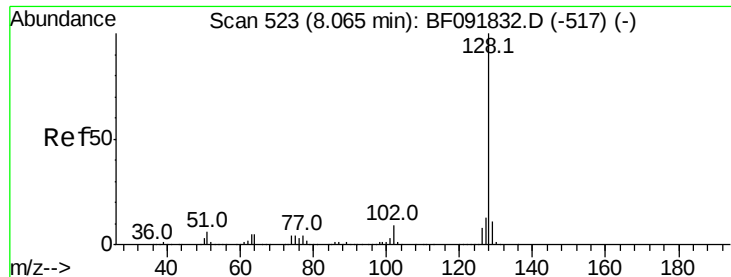


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

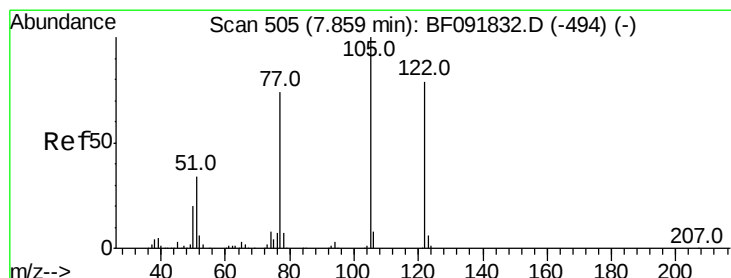
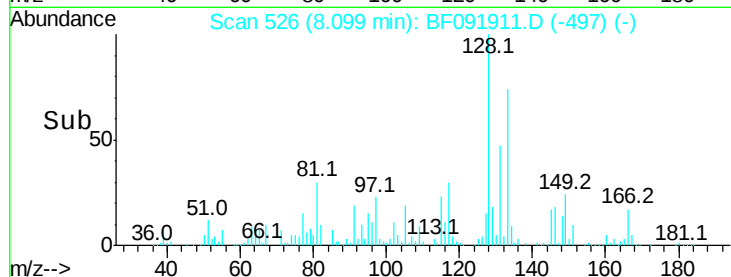
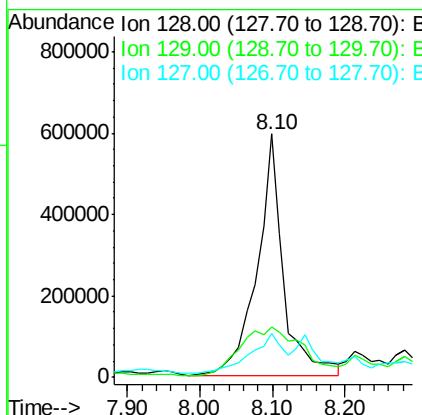
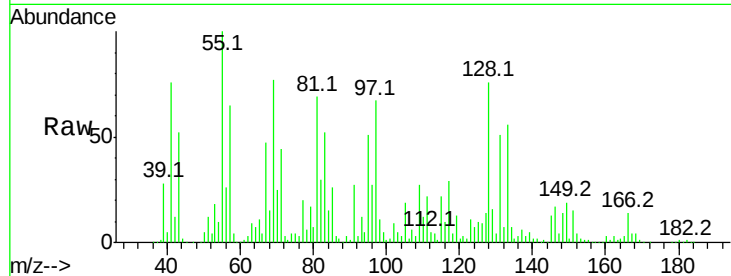




#31
Naphthalene
Concen: 69.51 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.03 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

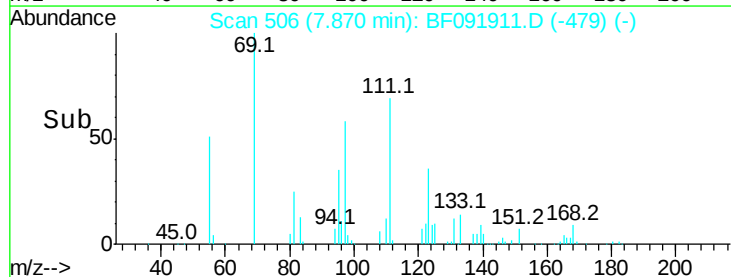
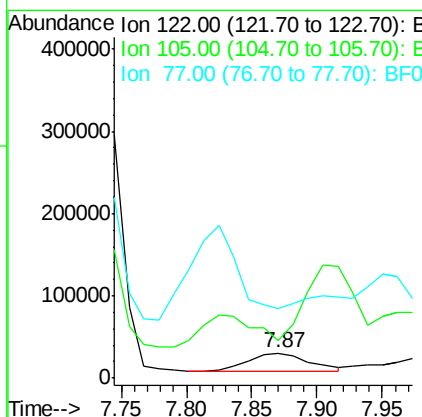
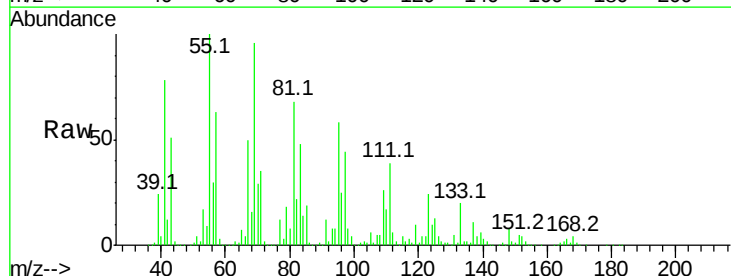
Instrument :
BNA_F
ClientSampleId :

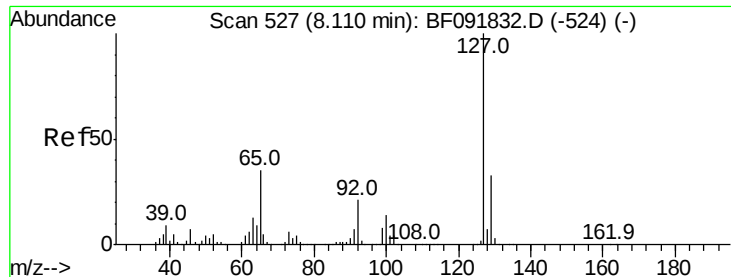
Tot Ion:128 Resp: 1507128
Ion Ratio Lower Upper
128 100
129 20.8 9.5 14.3#
127 18.2 10.8 16.2#



#32
Benzoic acid
Concen: 13.76 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.01 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion:122 Resp: 75755
Ion Ratio Lower Upper
122 100
105 151.4 107.2 147.2#
77 281.0 74.5 114.5#

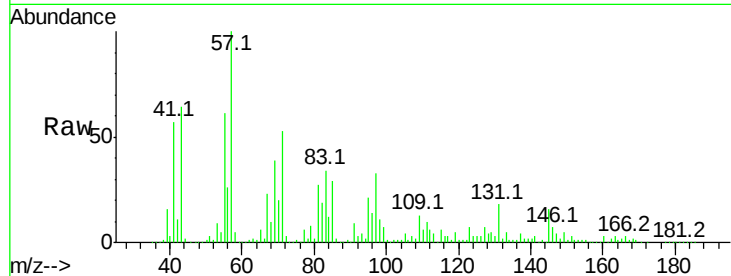




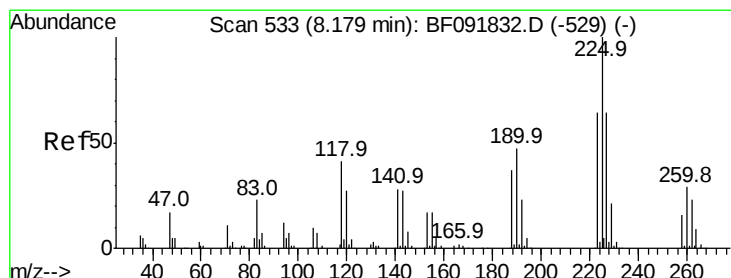
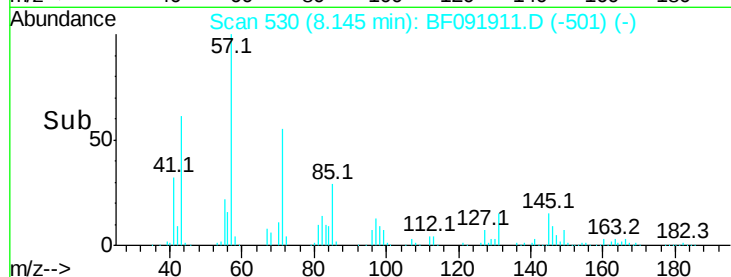
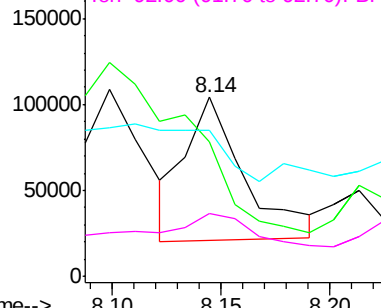
#33
4-Chloroaniline
Concen: 16.01 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.03 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	75.2	26.3	39.5#
65	81.6	25.8	38.8#
92	35.1	16.1	24.1#

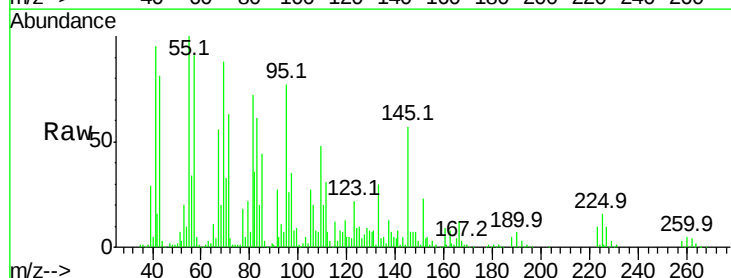


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

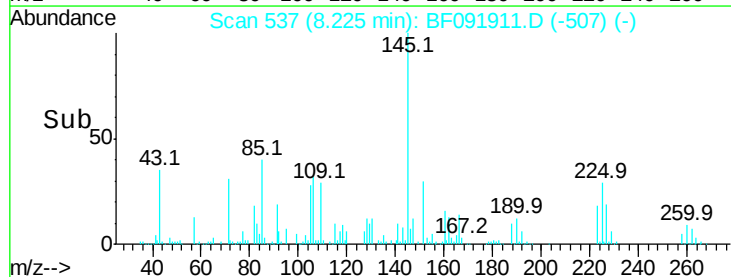
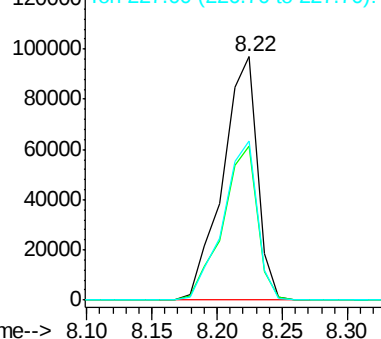


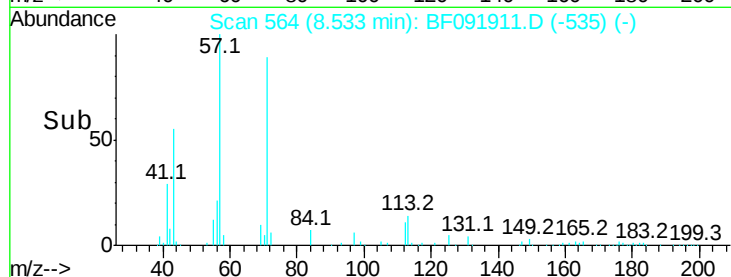
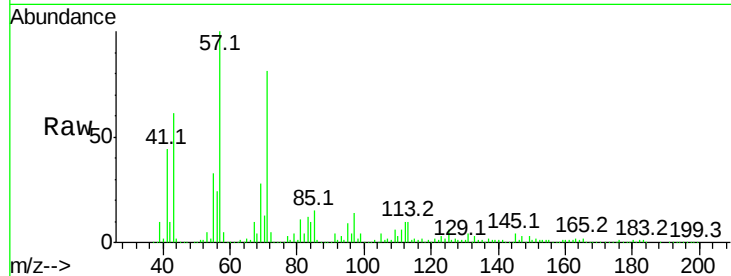
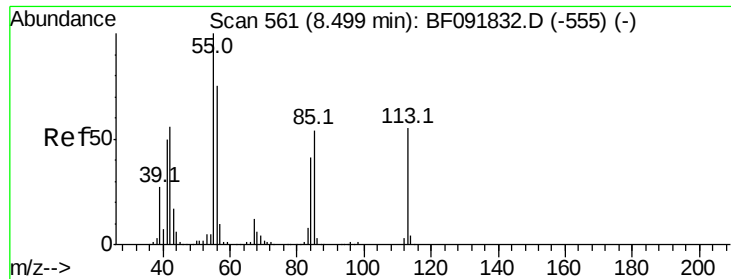
#34
Hexachlorobutadiene
Concen: 49.90 ng
RT: 8.22 min Scan# 537
Delta R.T. 0.05 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.0	76.6
227	65.2	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: 406.26 ng

RT: 8.53 min Scan# 564

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

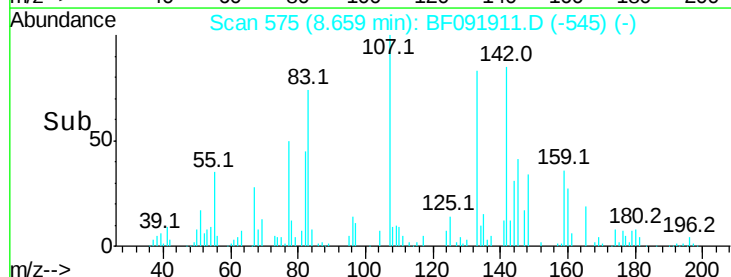
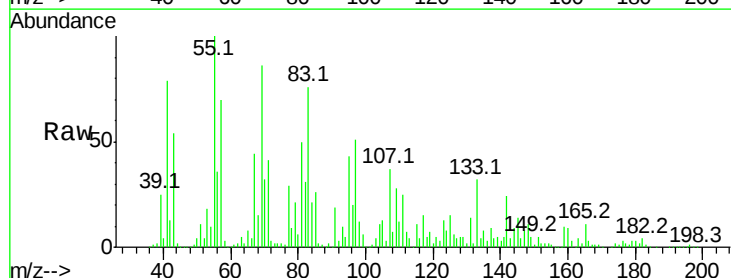
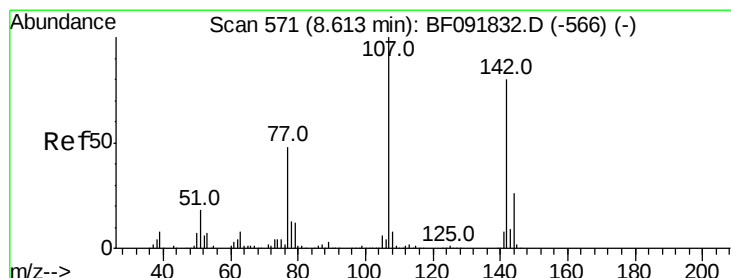
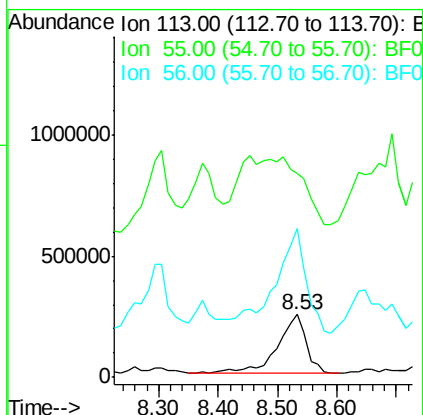
Tot Ion:113 Resp: 838999

Ion Ratio Lower Upper

113 100

55 324.7 119.2 159.2#

56 236.4 83.8 123.8#



#36

4-Chloro-3-methylphenol

Concen: 52.21 ng

RT: 8.66 min Scan# 575

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

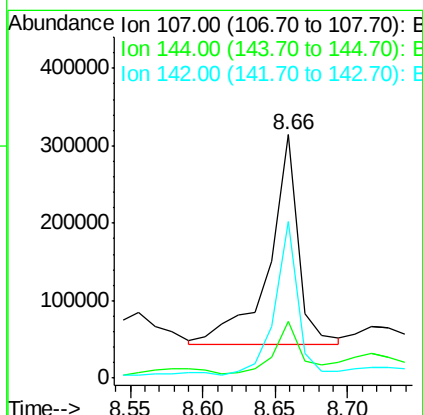
Tgt Ion:107 Resp: 377569

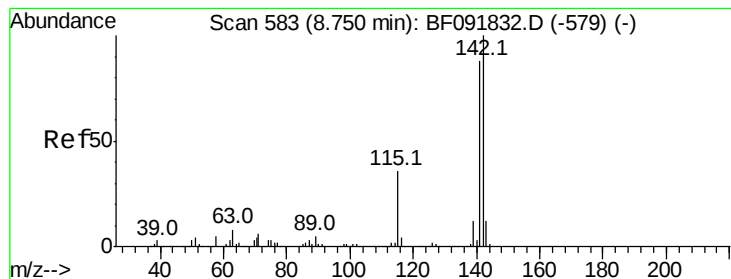
Ion Ratio Lower Upper

107 100

144 23.4 19.3 28.9

142 64.1 59.0 88.6

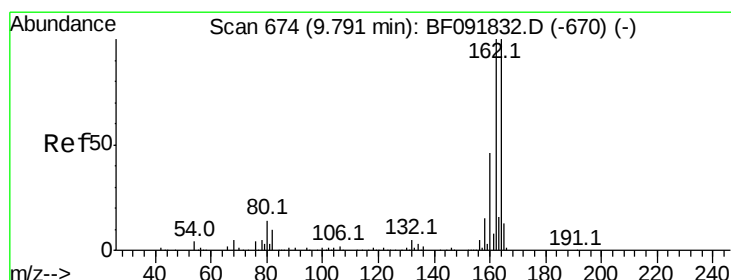
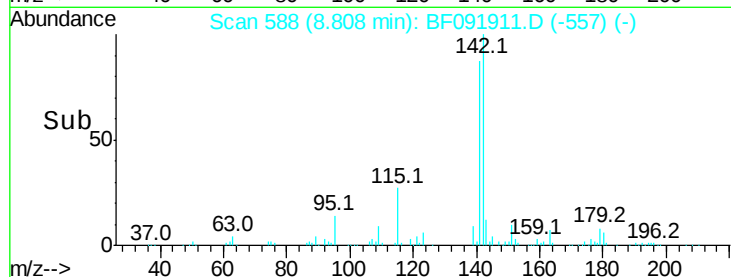
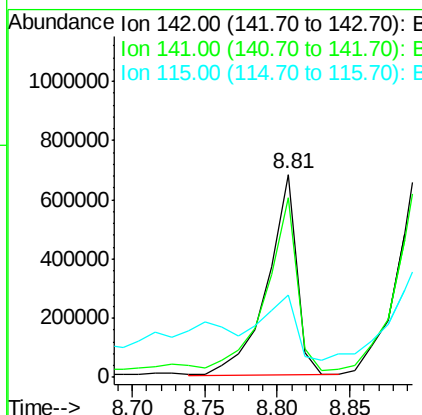
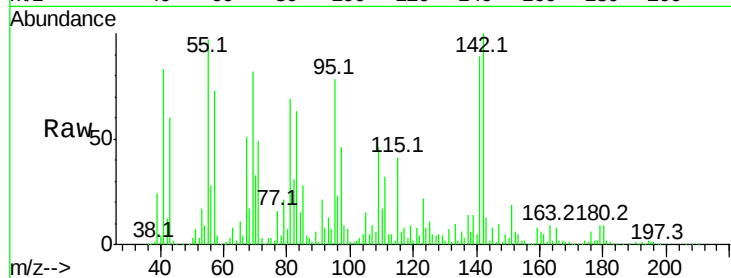




#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.81 min Scan# 588
Delta R.T. 0.06 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

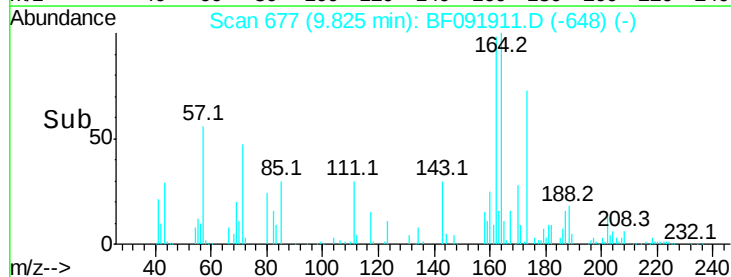
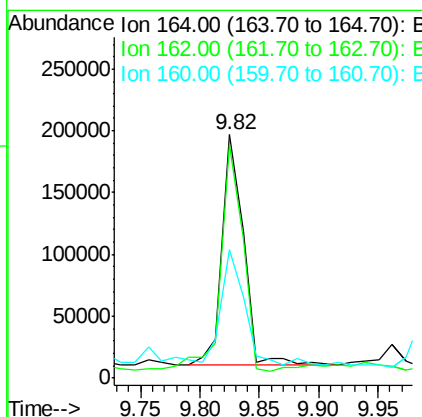
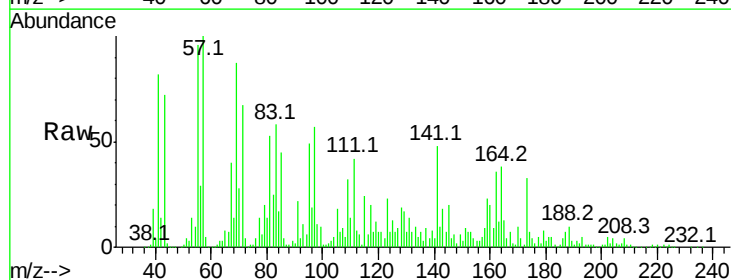
Instrument :
BNA_F
ClientSampleId :

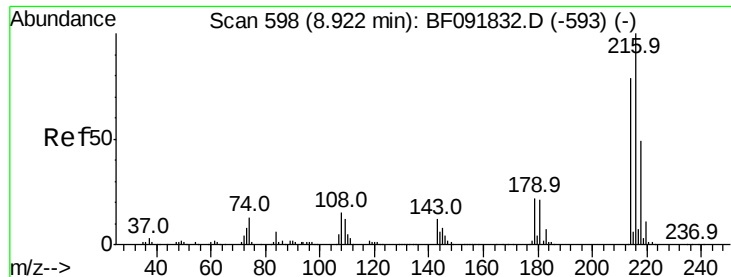
Tot Ion:142 Resp: 955149
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6
115 40.7 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.03 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion:164 Resp: 229150
Ion Ratio Lower Upper
164 100
162 95.6 80.2 120.2
160 52.6 36.9 55.3

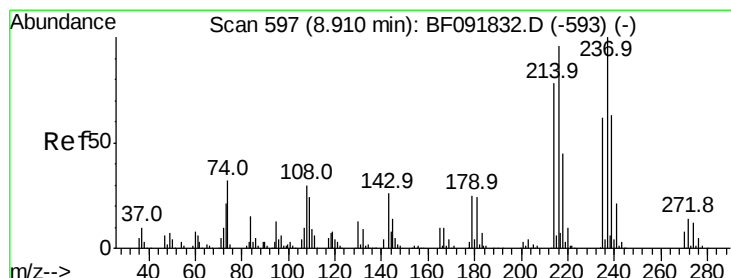
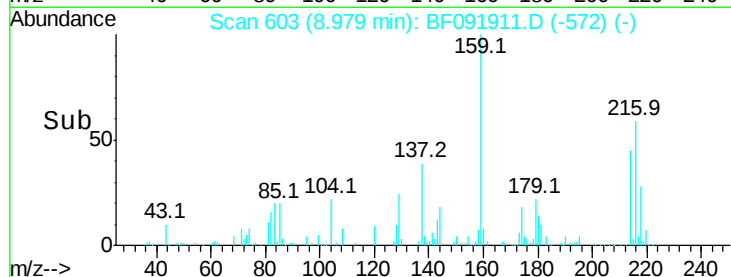
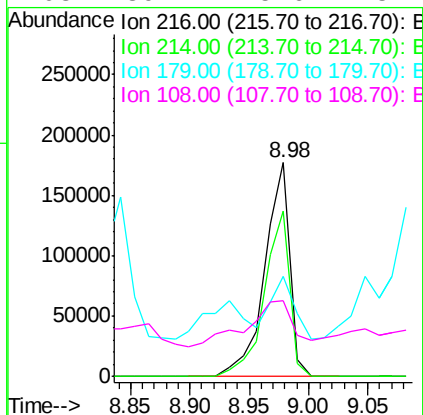
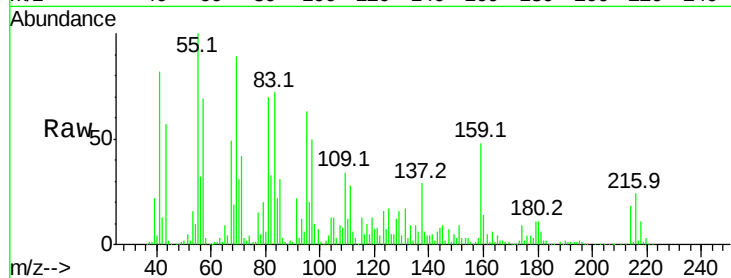




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.87 ng
 RT: 8.98 min Scan# 603
 Delta R.T. 0.06 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

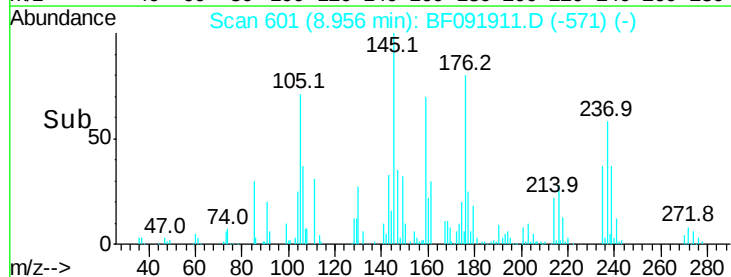
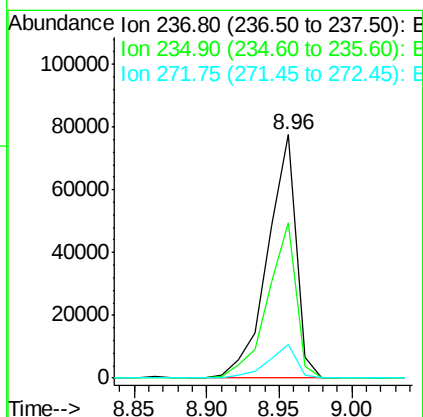
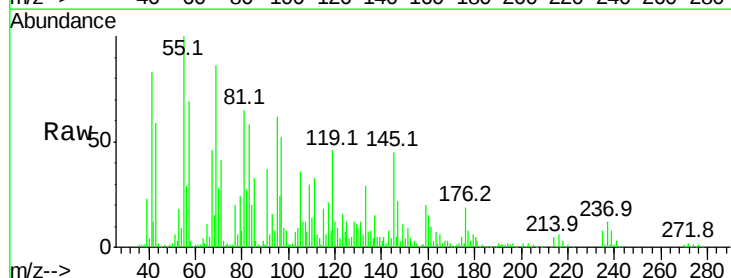
Instrument :
 BNA_F
 ClientSampleId :

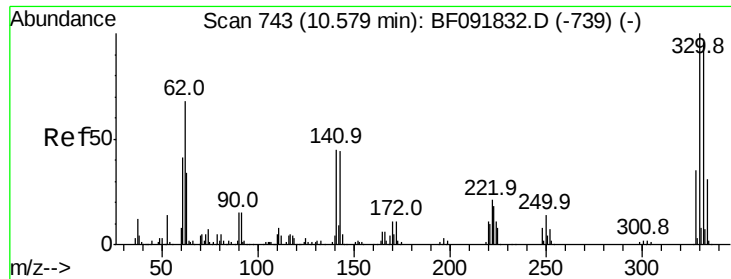
Tot Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.0
179	28.3	17.4	26.2
108	39.2	15.6	23.4



#40
 Hexachlorocyclopentadiene
 Concen: 42.92 ng
 RT: 8.96 min Scan# 601
 Delta R.T. 0.05 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.9	41.2	81.2
272	14.1	0.0	35.4

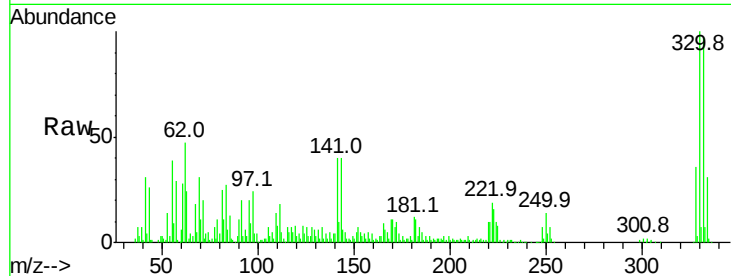




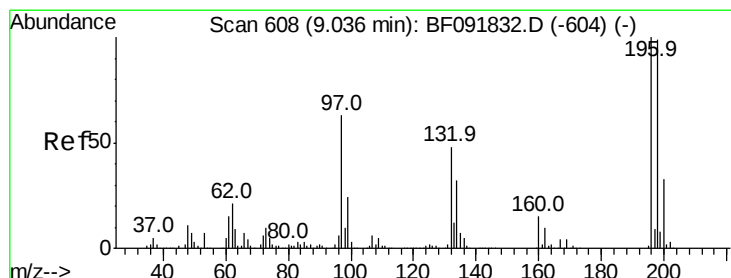
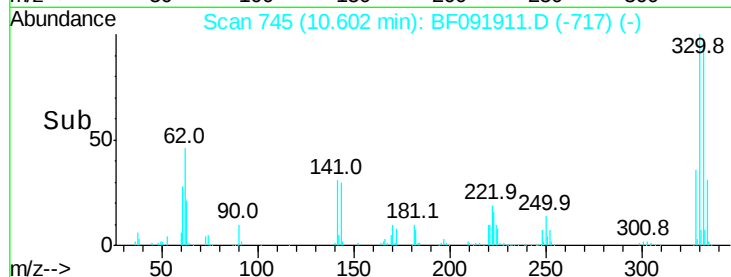
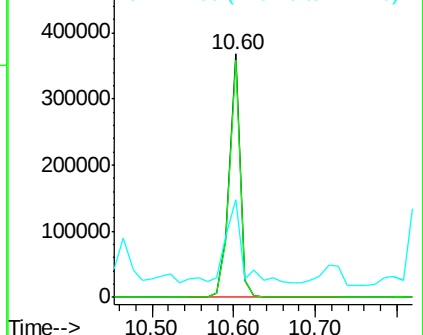
#41
 2,4,6-Tribromophenol
 Concen: 179.36 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.02 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 340142
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 50.7 34.1 51.1

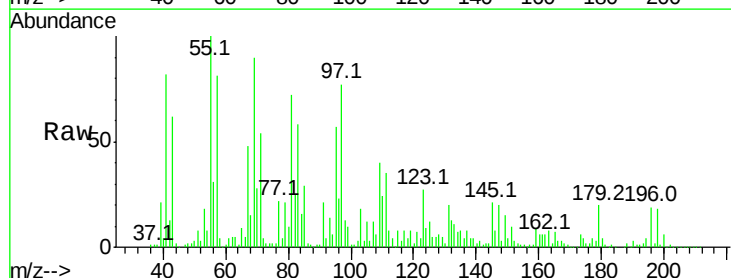


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

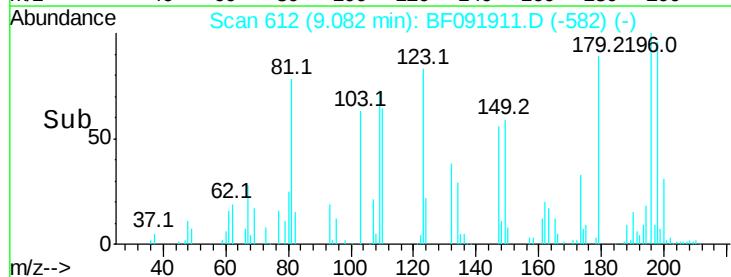
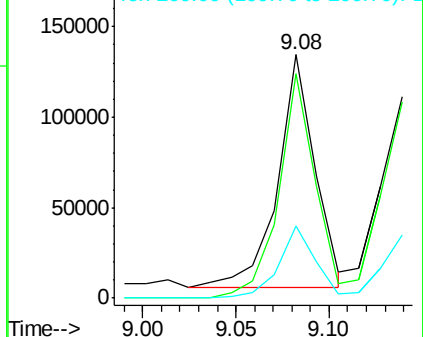


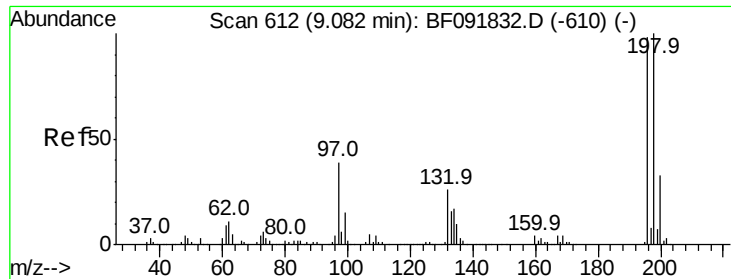
#42
 2,4,6-Trichlorophenol
 Concen: 44.00 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.05 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion:196 Resp: 178140
 Ion Ratio Lower Upper
 196 100
 198 92.2 82.1 123.1
 200 29.4 27.0 40.4



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

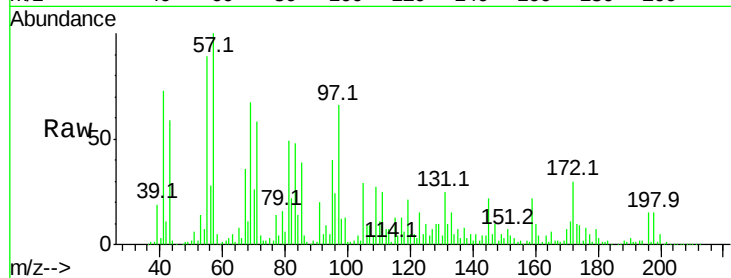




#43
 2,4,5-Trichlorophenol
 Concen: 31.78 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.06 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.2	79.4	119.2
97	439.5	51.5	77.3#
132	67.0	27.4	41.2#



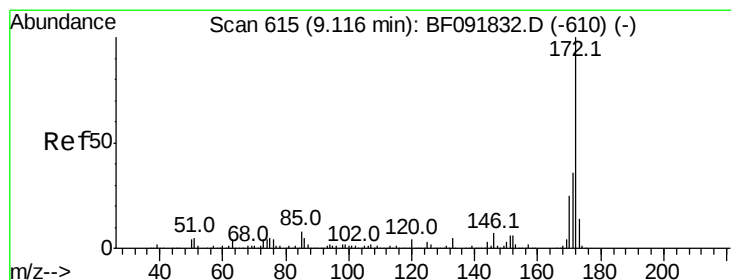
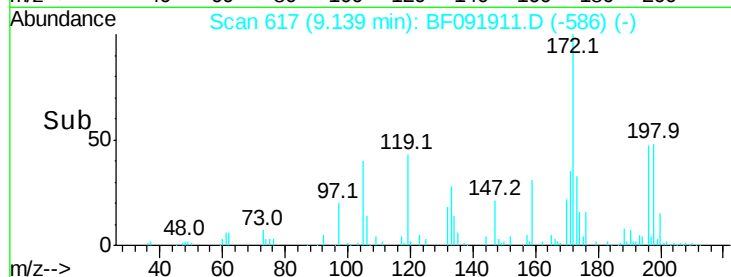
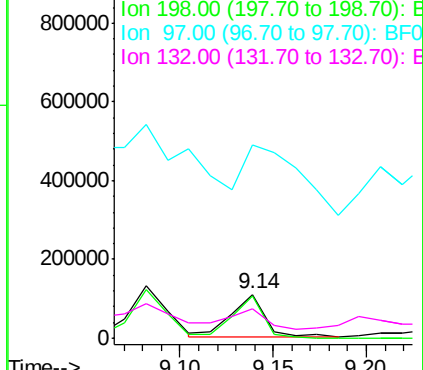
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

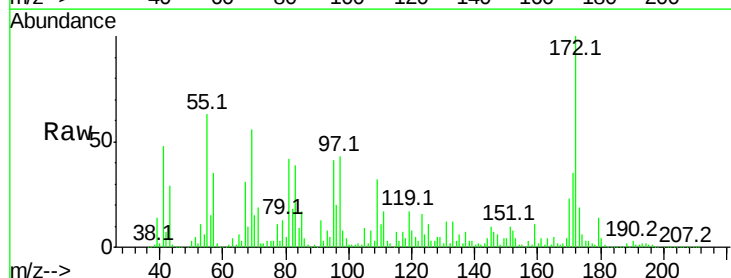
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 133.94 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.05 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	23.5	20.2	30.4

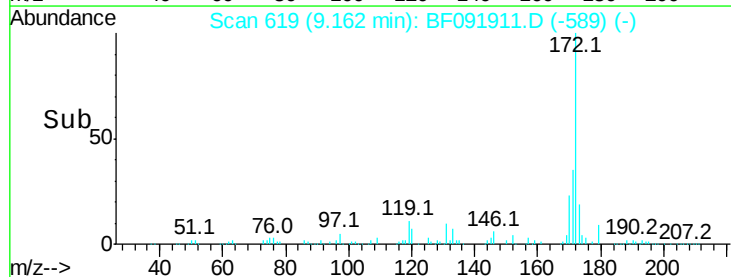
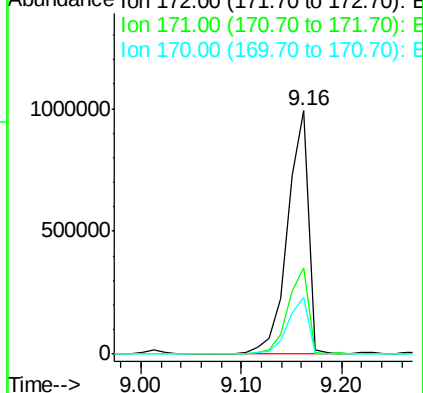


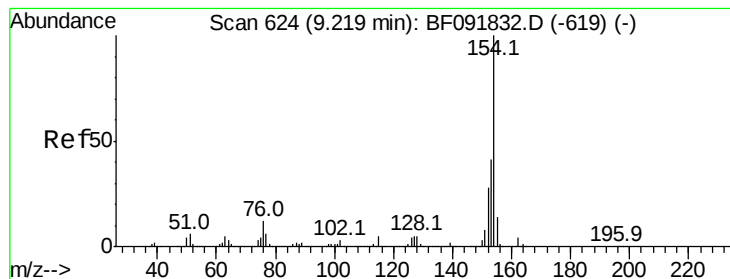
Abundance

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: 45.39 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

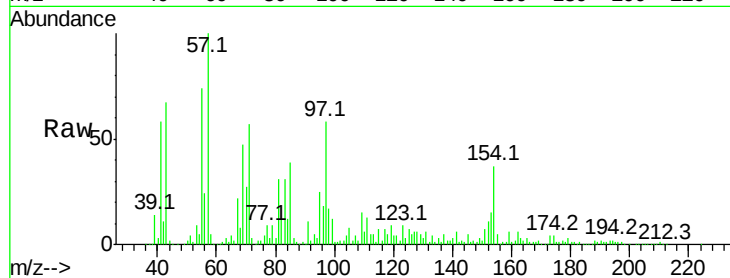
Tot Ion:154 Resp: 712191

Ion Ratio Lower Upper

154 100

153 41.5 20.9 60.9

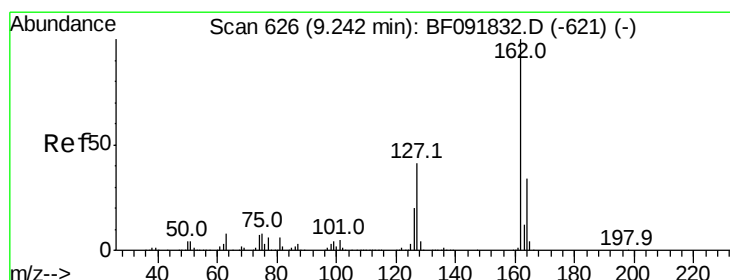
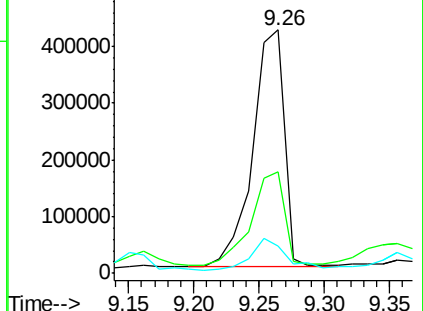
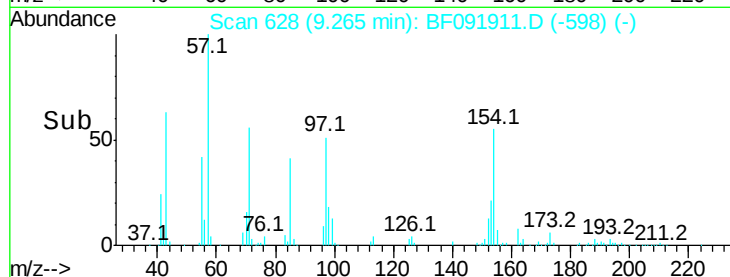
76 11.1 0.0 30.5



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: 43.59 ng

RT: 9.29 min Scan# 630

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

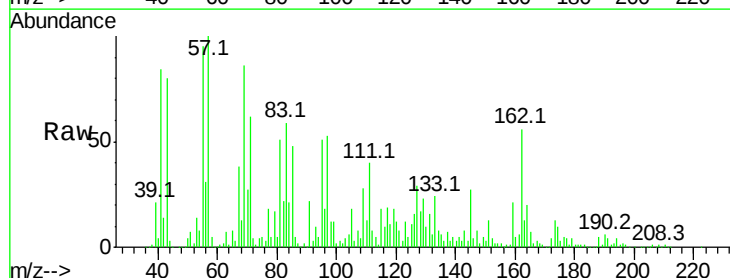
Tgt Ion:162 Resp: 541572

Ion Ratio Lower Upper

162 100

127 52.7 30.7 46.1#

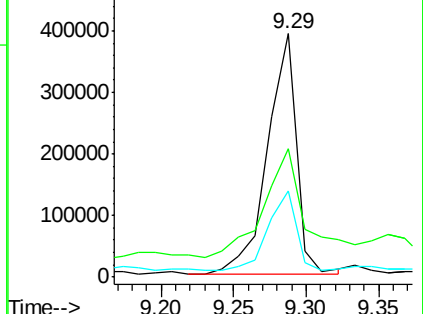
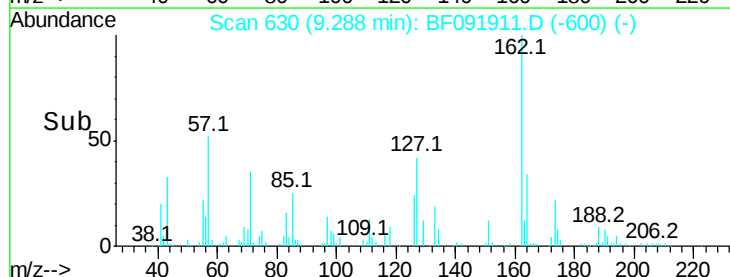
164 35.3 27.6 41.4

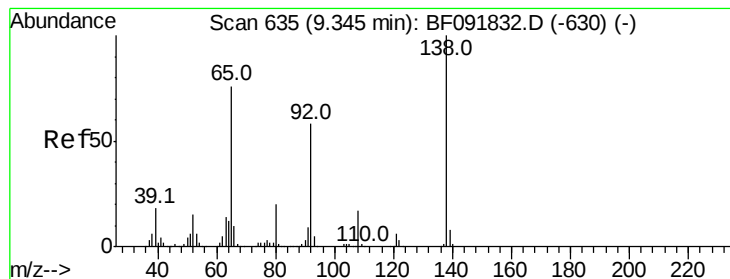


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 60.02 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

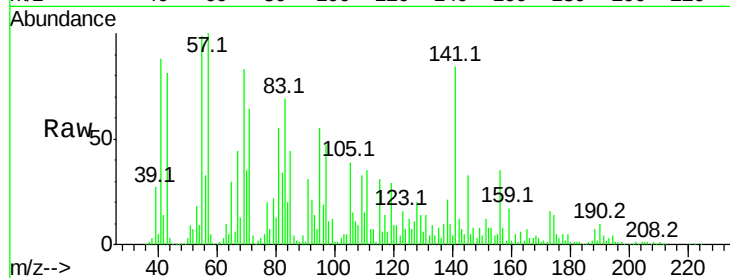
Tot Ion: 65 Resp: 265550

Ion Ratio Lower Upper

65 100

92 70.4 53.9 80.9

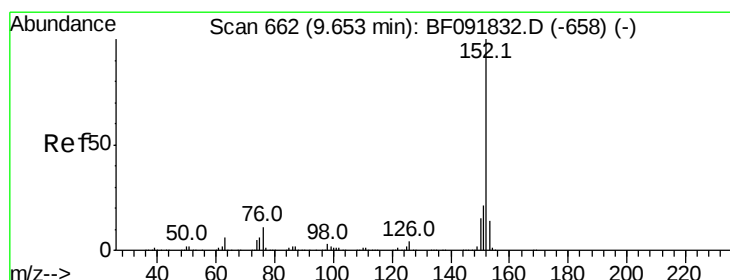
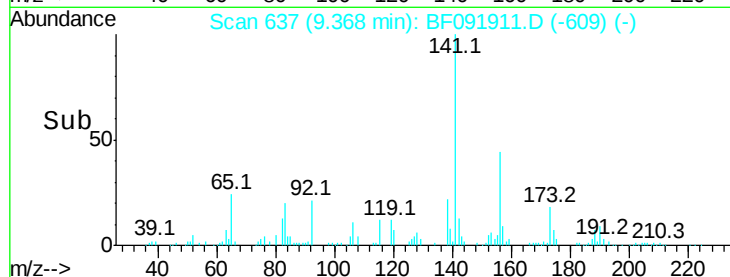
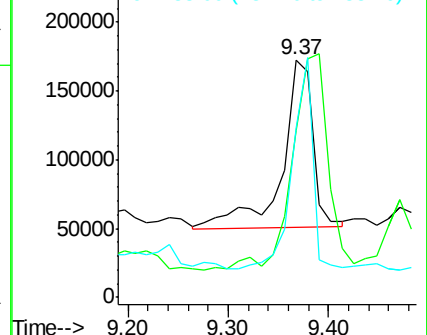
138 71.4 76.8 115.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 50.37 ng

RT: 9.70 min Scan# 666

Delta R.T. 0.05 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

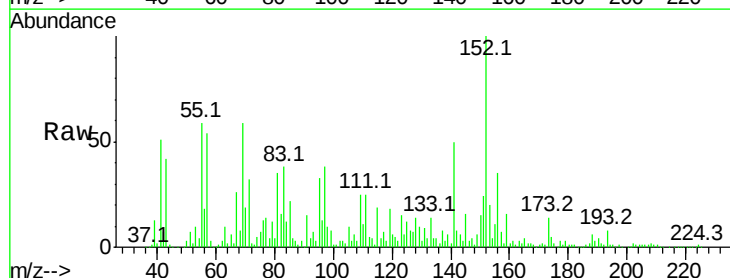
Tgt Ion: 152 Resp: 962523

Ion Ratio Lower Upper

152 100

151 24.5 16.9 25.3

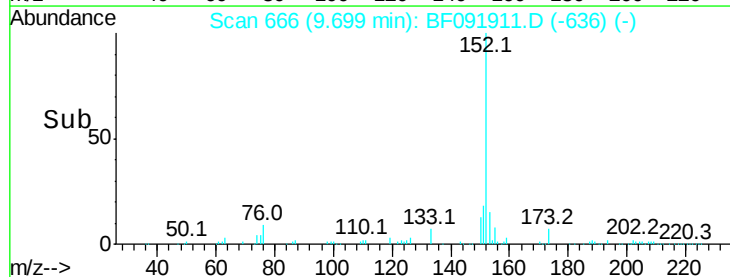
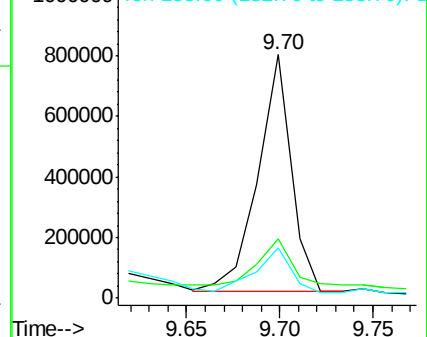
153 20.4 11.4 17.2#

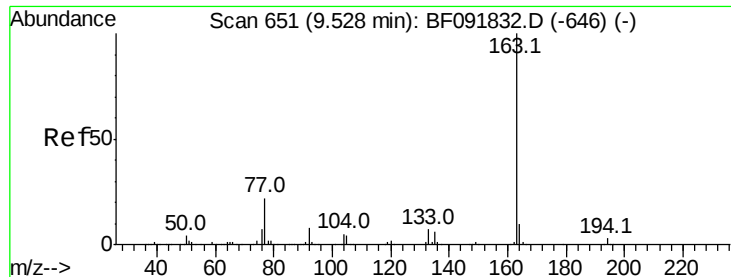


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 52.36 ng

RT: 9.55 min Scan# 653

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

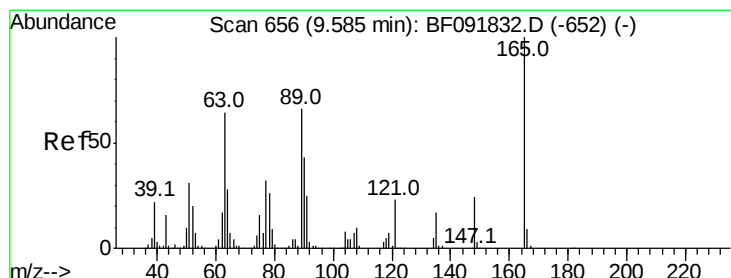
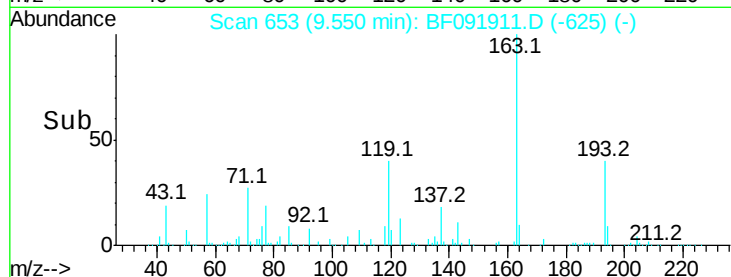
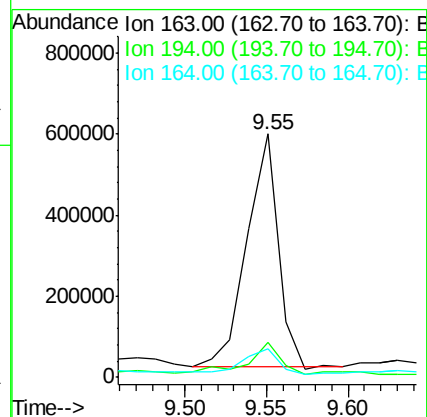
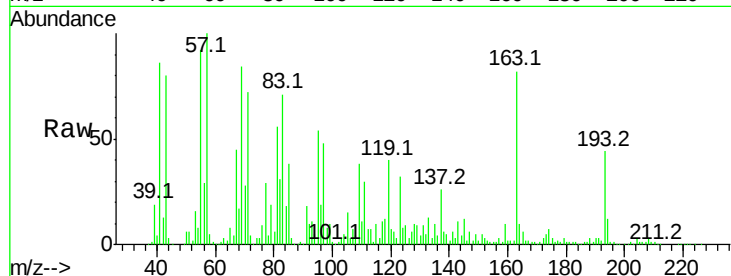
Tot Ion:163 Resp: 767354

Ion Ratio Lower Upper

163 100

194 14.5 3.0 4.4#

164 11.7 8.0 12.0



#50

2,6-Dinitrotoluene

Concen: 67.38 ng

RT: 9.62 min Scan# 659

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

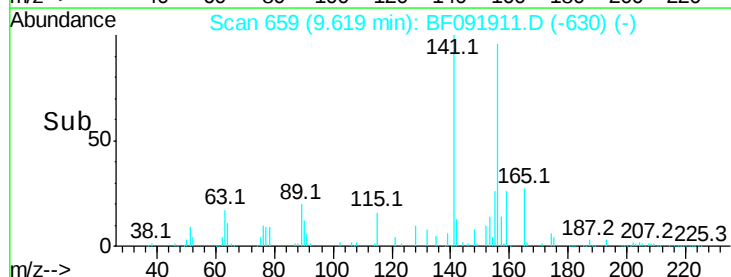
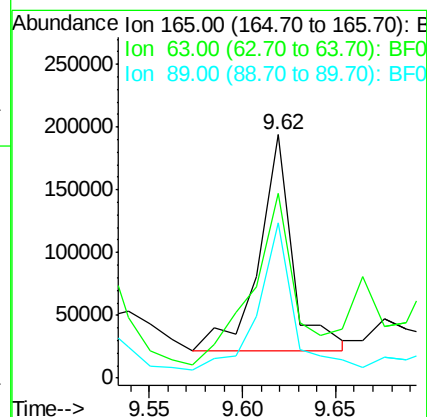
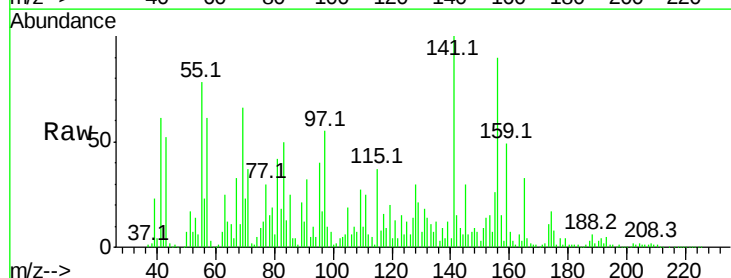
Tgt Ion:165 Resp: 216144

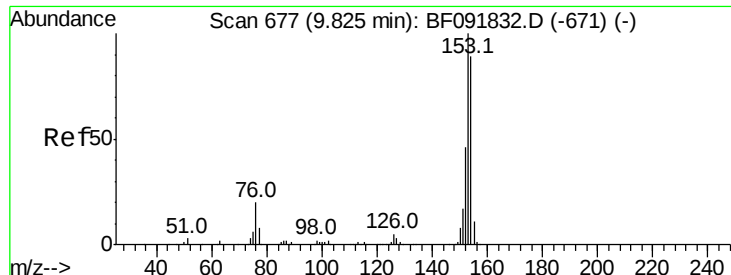
Ion Ratio Lower Upper

165 100

63 75.8 36.2 54.4#

89 63.9 40.2 60.4#





#51

Acenaphthene

Concen: 48.88 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

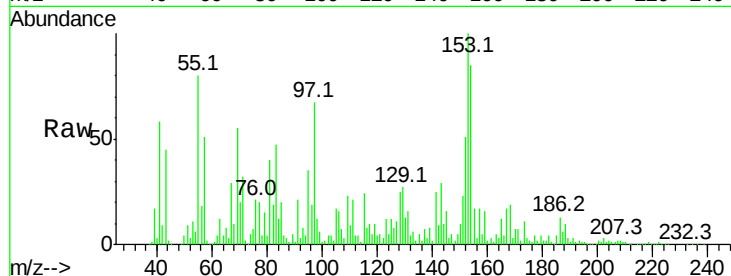
Tot Ion:154 Resp: 633225

Ion Ratio Lower Upper

154 100

153 117.3 88.6 133.0

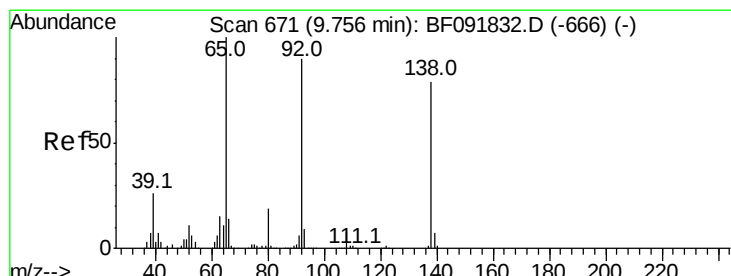
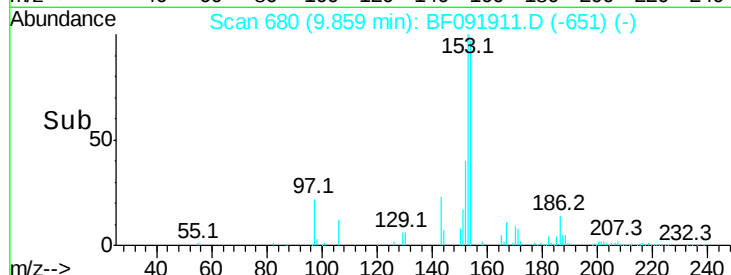
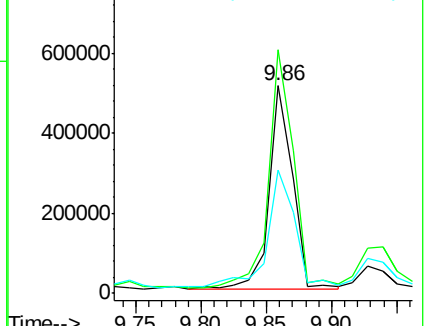
152 59.7 41.6 62.4



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: 52.32 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

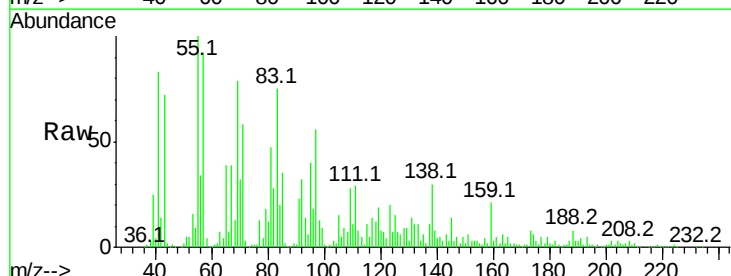
Tgt Ion:138 Resp: 207721

Ion Ratio Lower Upper

138 100

108 23.4 8.5 12.7#

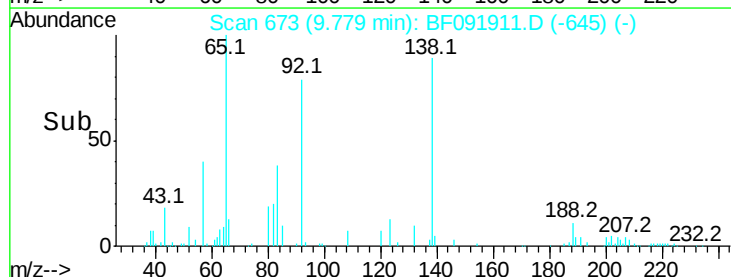
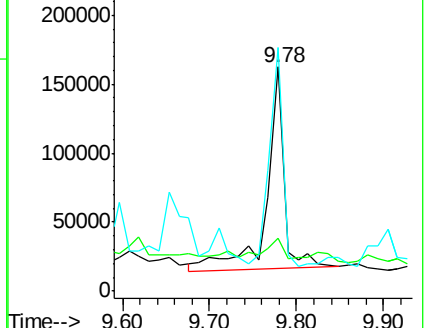
92 108.7 97.8 146.8

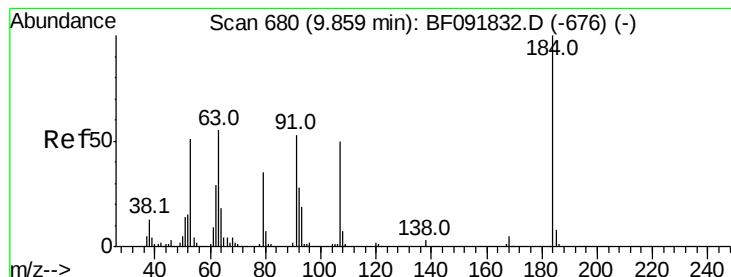


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 2.84 na

RT: 9.89 min Scan# 683

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

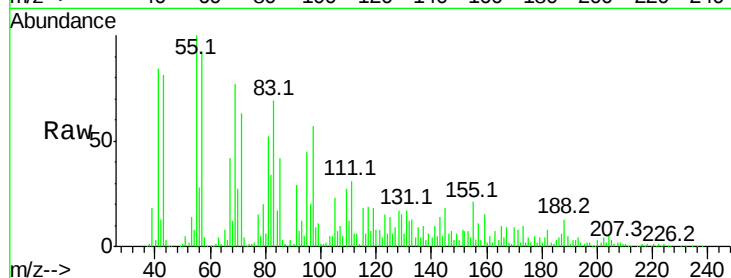
Tot Ion:184 Resp: 5063

Ion Ratio Lower Upper

184 100

63 373.9 28.4 42.6#

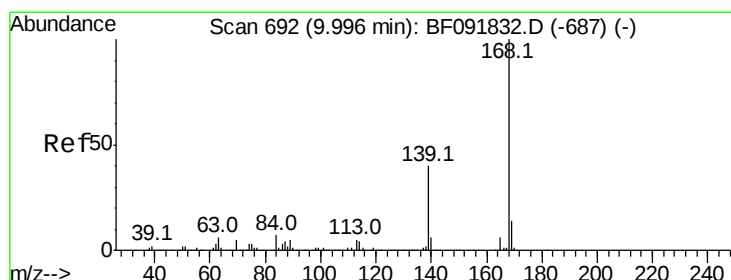
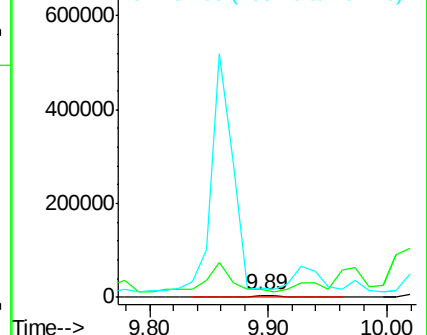
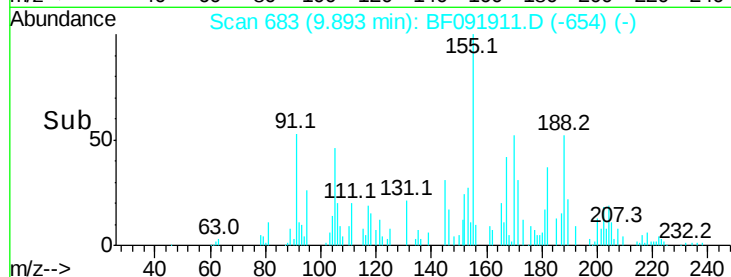
154 445.8 44.3 66.5#



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: 56.33 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

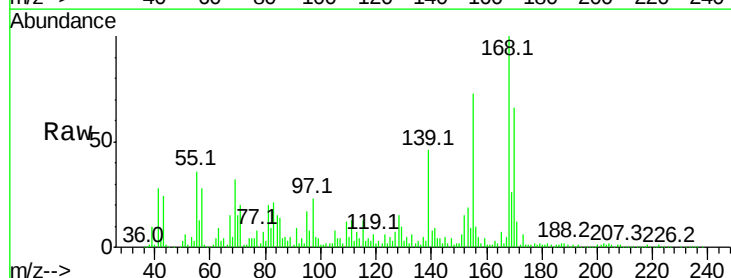
Tgt Ion:168 Resp: 985515

Ion Ratio Lower Upper

168 100

139 45.9 32.6 49.0

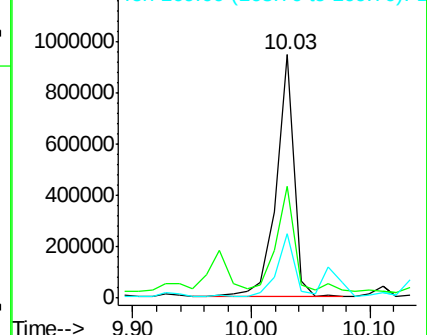
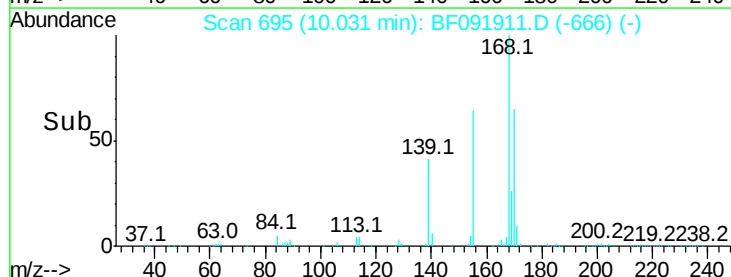
169 26.5 11.3 16.9#

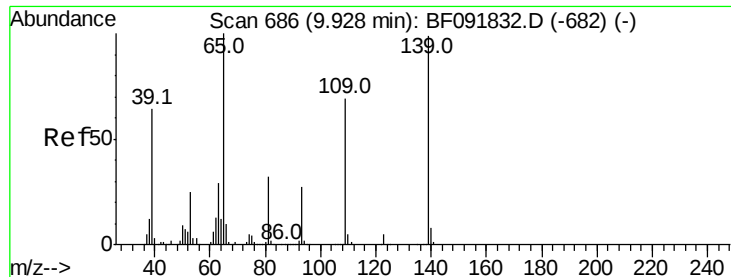


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

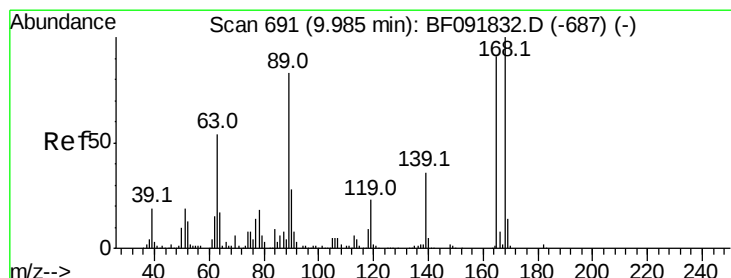
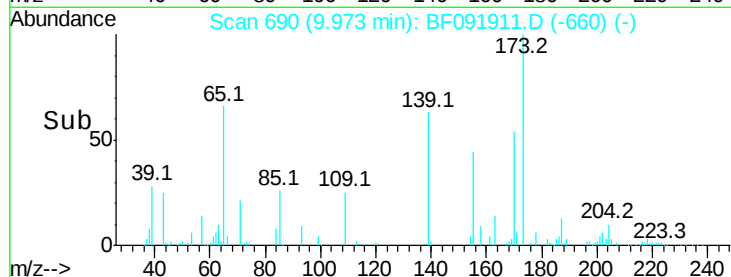
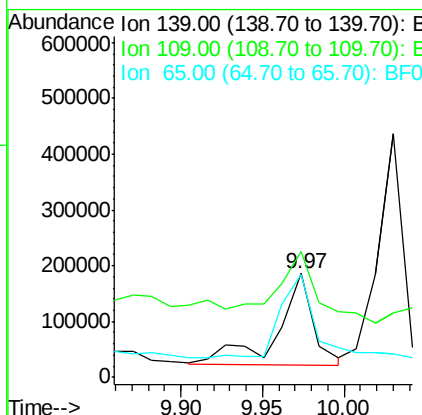
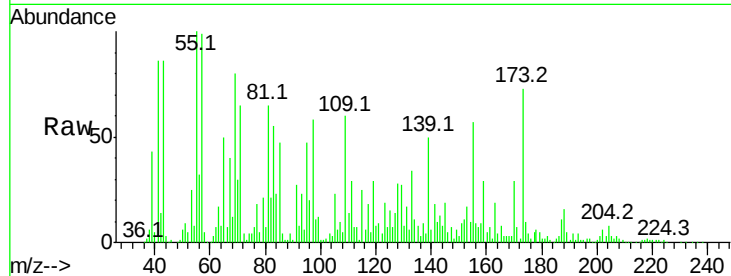




#55
4-Nitrophenol
Concen: 94.70 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.05 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

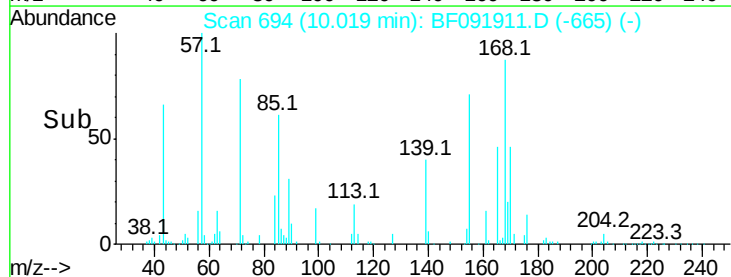
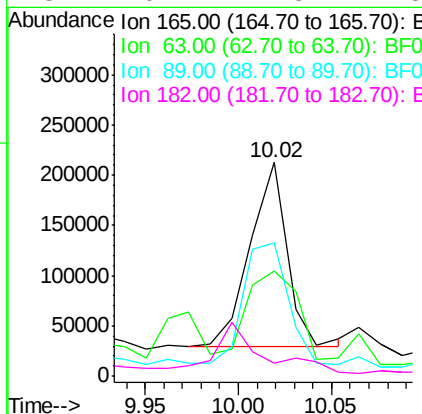
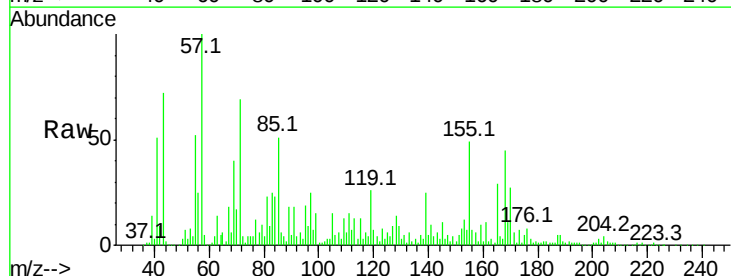
Instrument :
BNA_F
ClientSampled :

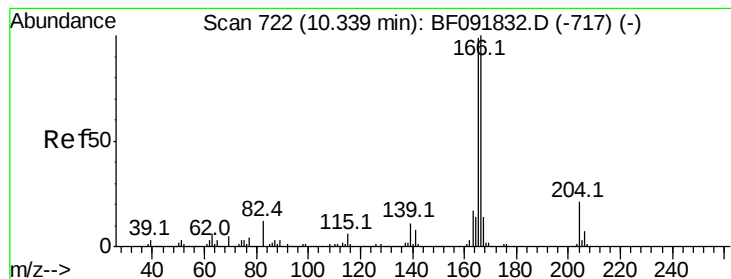
Tot Ion:139 Resp: 255261
Ion Ratio Lower Upper
139 100
109 120.6 52.2 92.2#
65 99.2 85.8 125.8



#56
2,4-Dinitrotoluene
Concen: 63.43 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.03 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion:165 Resp: 255393
Ion Ratio Lower Upper
165 100
63 49.1 40.2 60.4
89 62.4 62.5 93.7#
182 6.1 1.8 2.8#





#57

Fluorene

Concen: 72.87 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

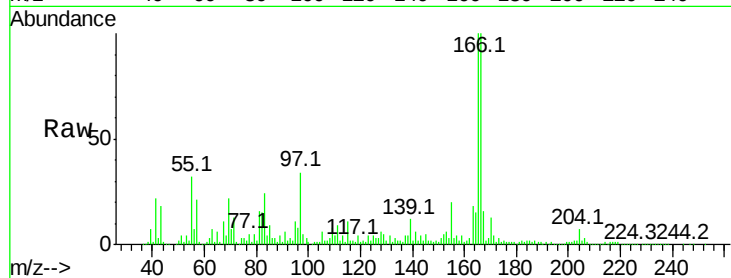
Tot Ion:166 Resp: 927584

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.8

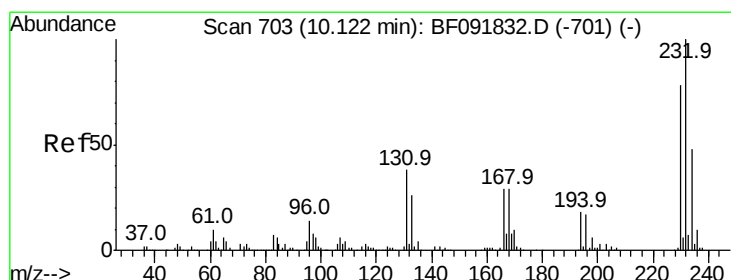
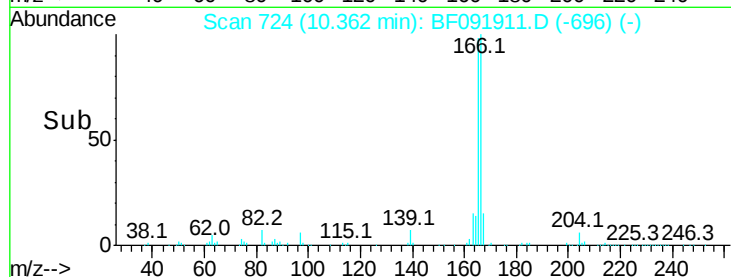
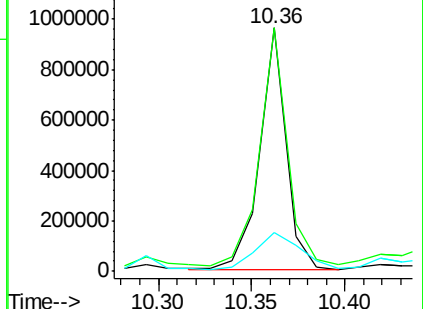
167 15.9 10.8 16.2



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: 45.49 ng

RT: 10.16 min Scan# 706

Delta R.T. 0.03 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Tgt Ion:232 Resp: 149927

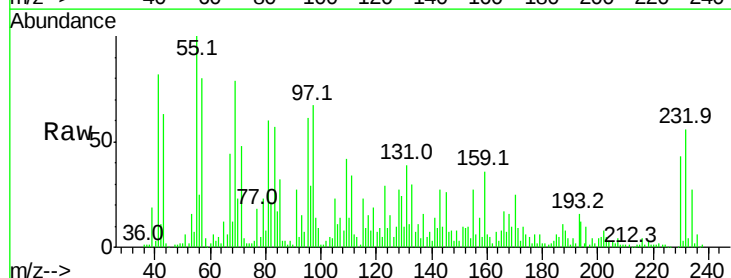
Ion Ratio Lower Upper

232 100

131 80.2 40.1 60.1#

130 30.1 1.8 2.8#

166 39.3 26.6 39.8

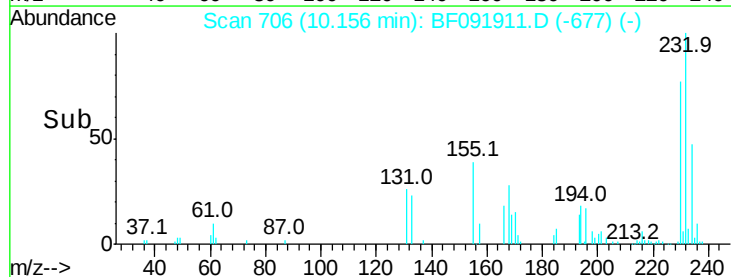
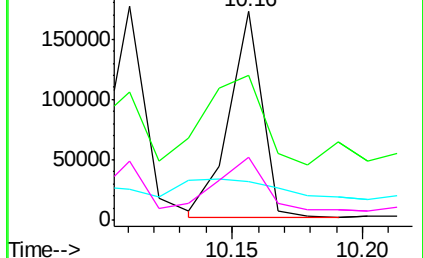


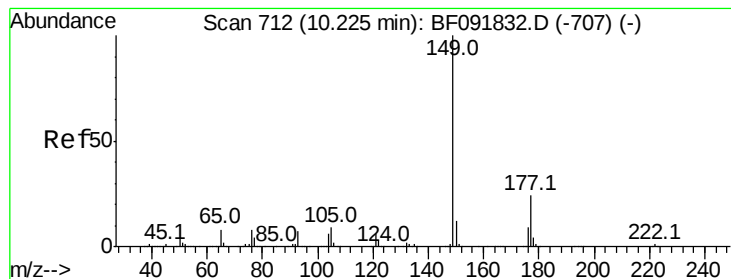
Abundance Ion 232.00 (231.70 to 232.70): E

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: 62.94 ng

RT: 10.24 min Scan# 713

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

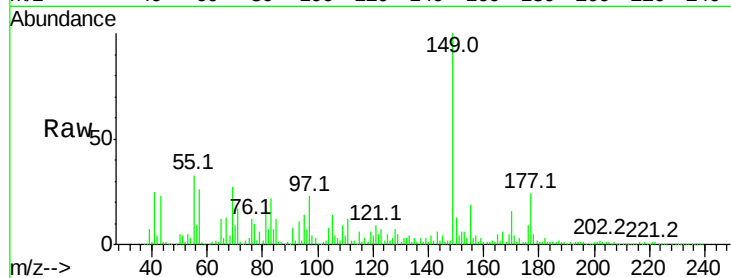
Tot Ion:149 Resp: 895885

Ion Ratio Lower Upper

149 100

177 23.6 16.6 25.0

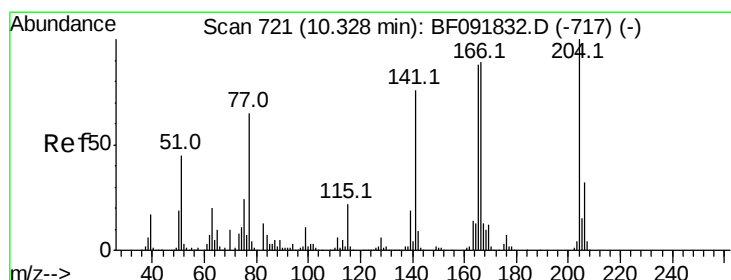
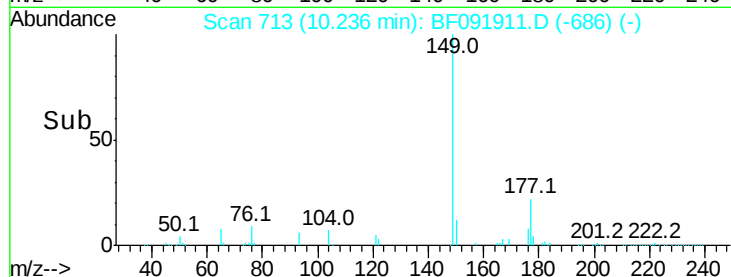
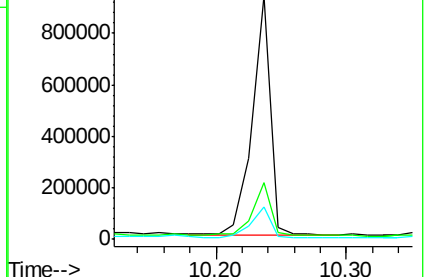
150 13.2 10.4 15.6



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: 61.19 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

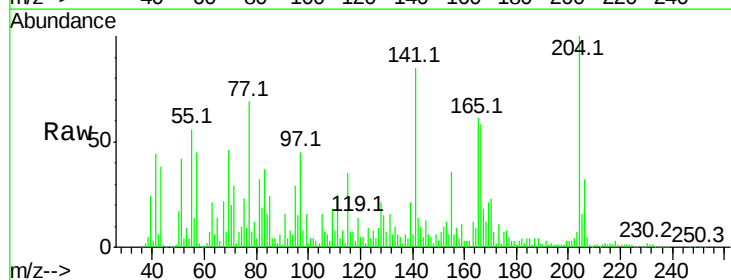
Tgt Ion:204 Resp: 341040

Ion Ratio Lower Upper

204 100

206 32.2 25.8 38.6

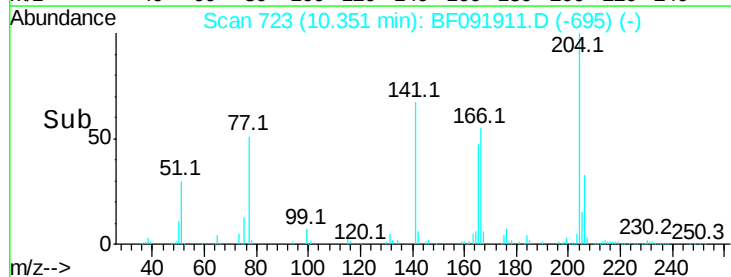
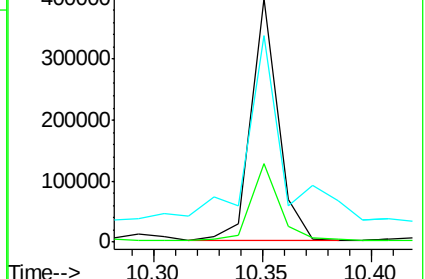
141 84.8 59.4 89.0

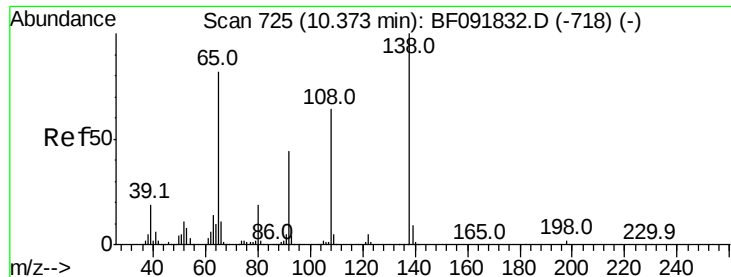


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

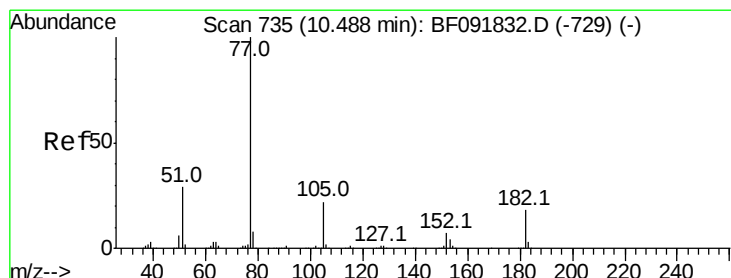
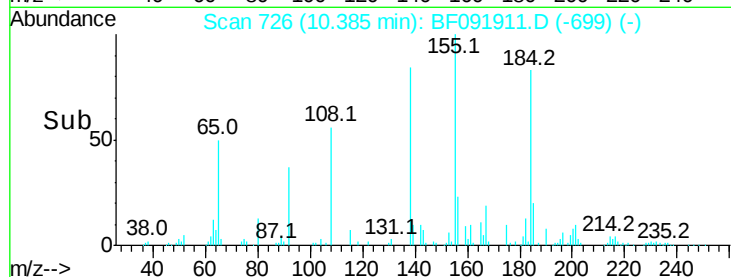
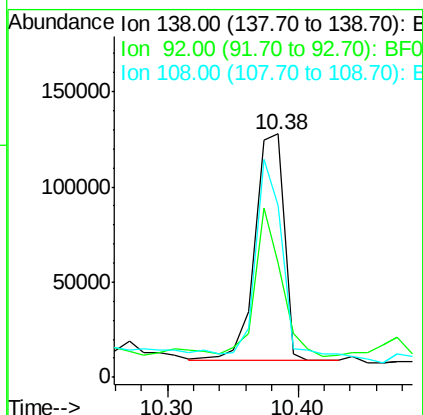
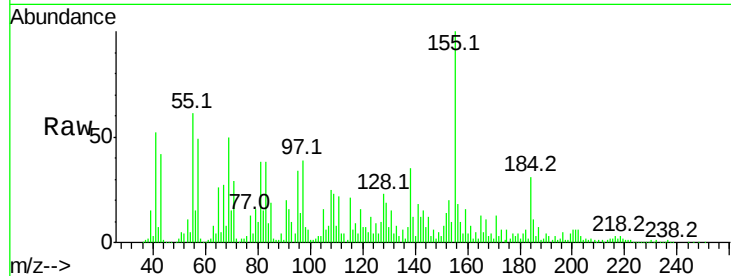




#61
4-Nitroaniline
Concen: 45.55 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.01 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

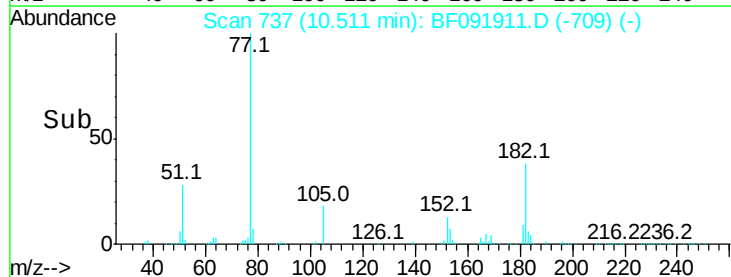
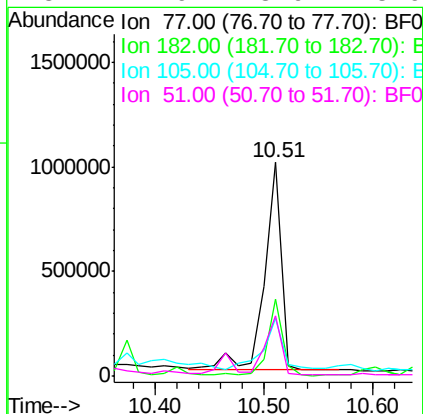
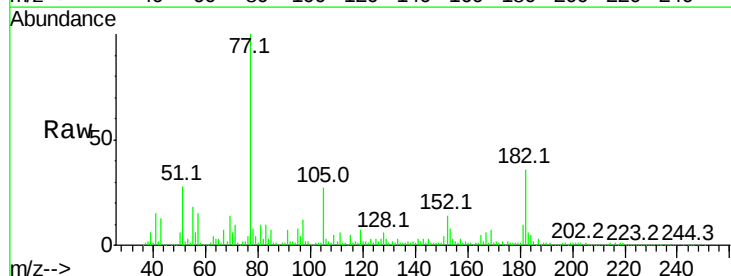
Instrument :
BNA_F
ClientSampleId :

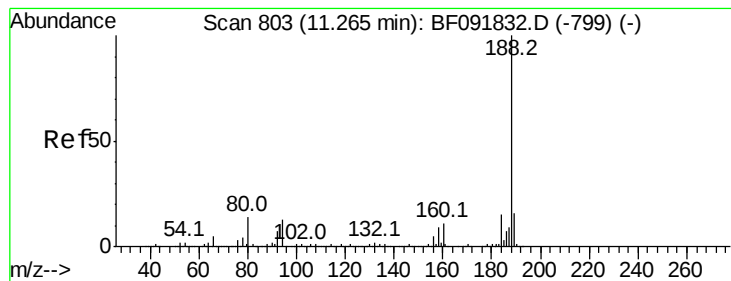
Tot Ion:138 Resp: 187383
Ion Ratio Lower Upper
138 100
92 47.1 31.7 71.7
108 70.5 52.6 92.6



#62
Azobenzene
Concen: 69.16 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.02 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion: 77 Resp: 1083847
Ion Ratio Lower Upper
77 100
182 36.1 0.0 39.3
105 26.7 2.3 42.3
51 27.9 8.9 48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

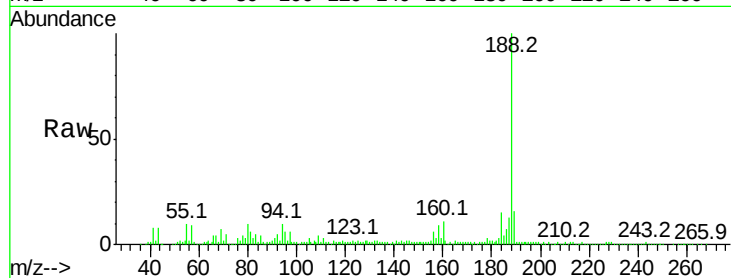
Tot Ion:188 Resp: 469472

Ion Ratio Lower Upper

188 100

94 9.6 10.0 15.0#

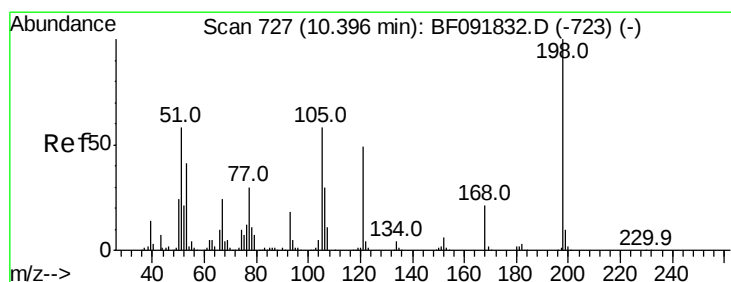
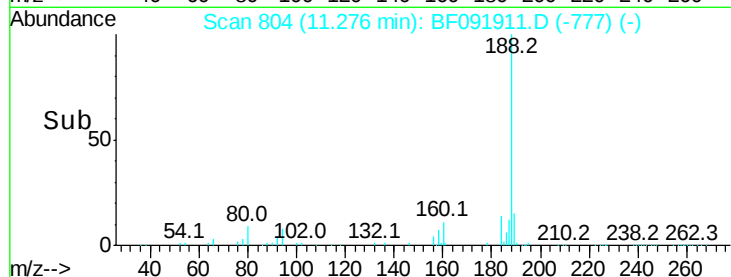
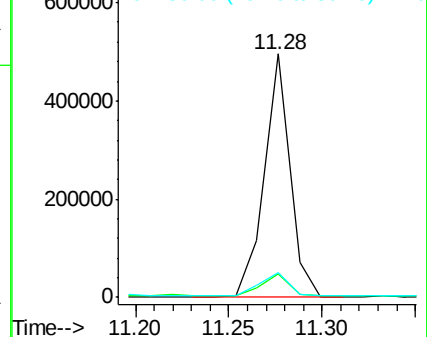
80 9.9 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 8.50 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

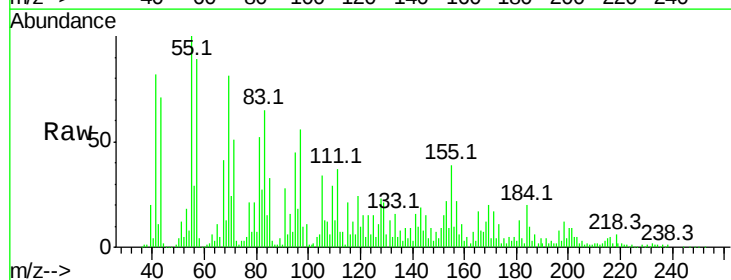
Tgt Ion:198 Resp: 24141

Ion Ratio Lower Upper

198 100

51 98.6 6.7 46.7#

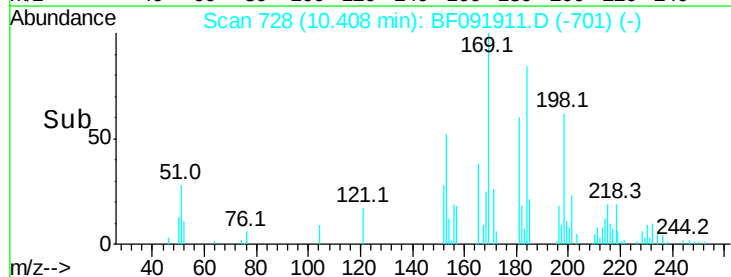
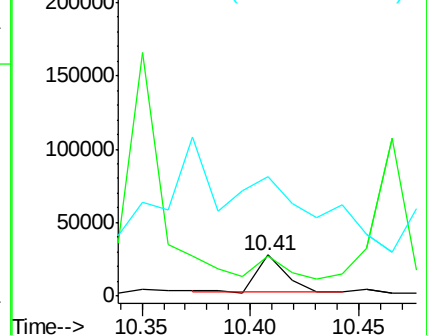
105 291.9 16.6 56.6#

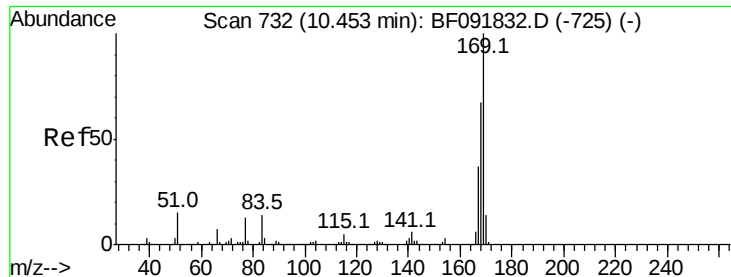


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 60.49 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

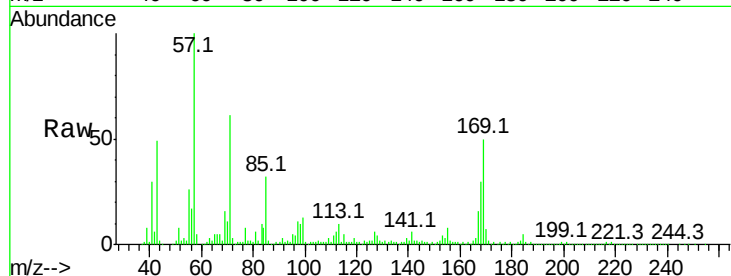
Tot Ion:169 Resp: 842733

Ion Ratio Lower Upper

169 100

168 59.6 54.2 81.2

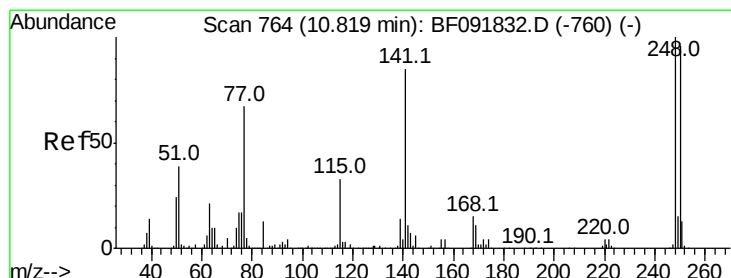
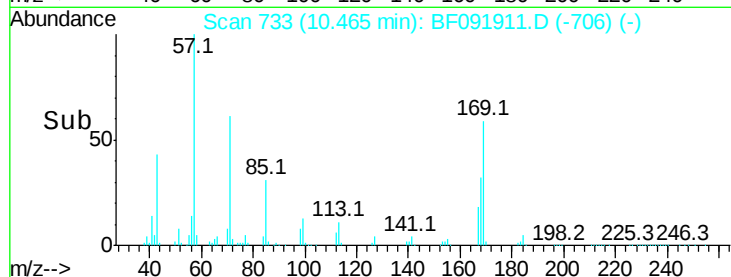
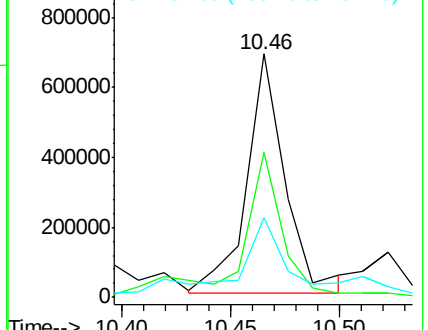
167 32.6 30.2 45.4



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: 53.46 ng

RT: 10.83 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

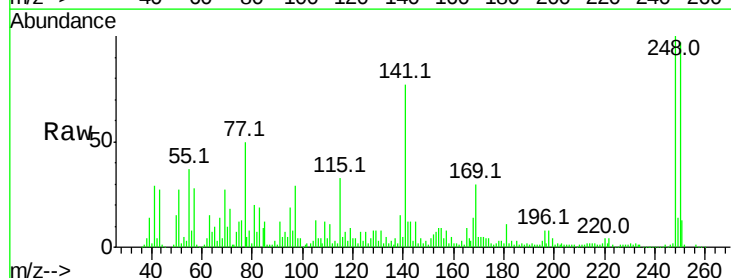
Tgt Ion:248 Resp: 261096

Ion Ratio Lower Upper

248 100

250 96.9 76.9 115.3

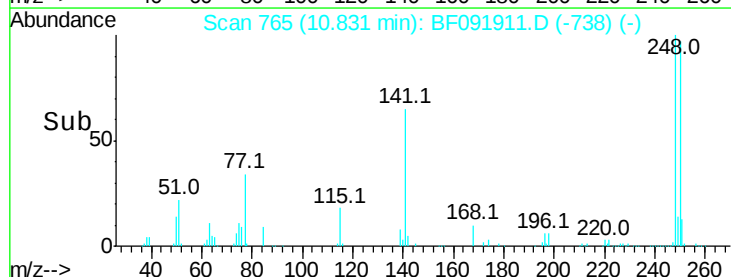
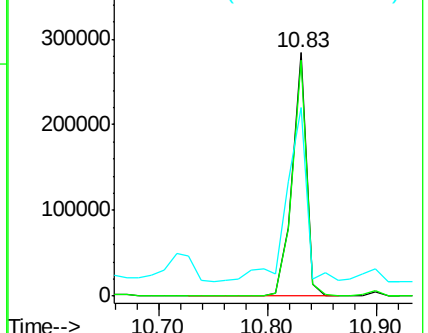
141 77.4 68.2 102.4

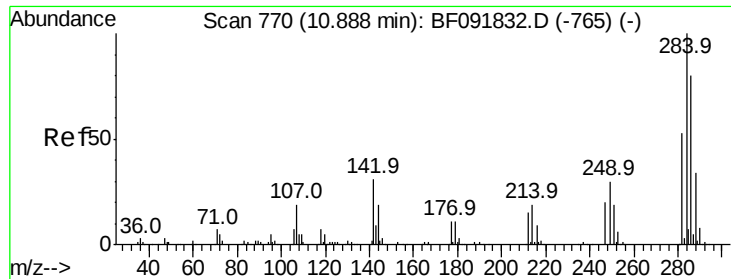


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 46.30 ng

RT: 10.90 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :
BNA_F
ClientSampleId :

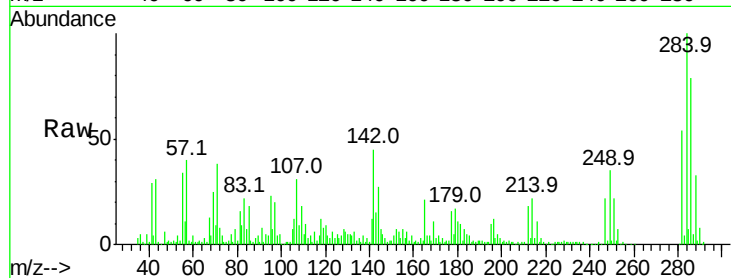
Tot Ion:284 Resp: 241671

Ion Ratio Lower Upper

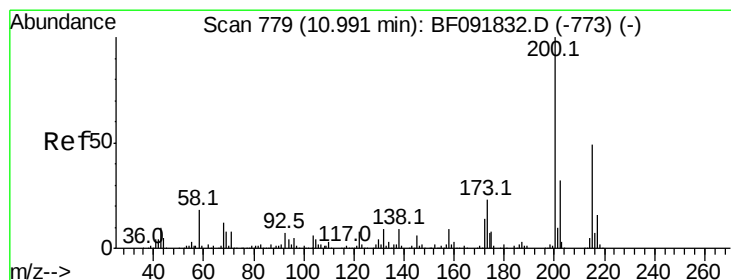
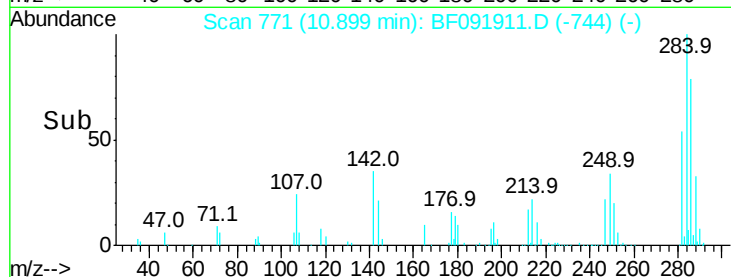
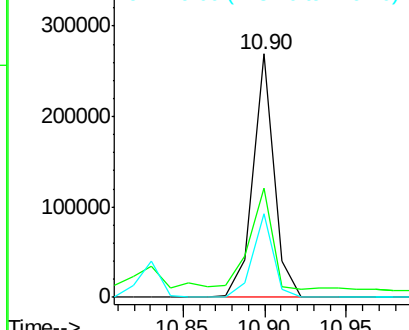
284 100

142 45.1 22.6 33.8#

249 34.6 25.4 38.0



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



#68

Atrazine

Concen: 54.57 ng

RT: 10.99 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

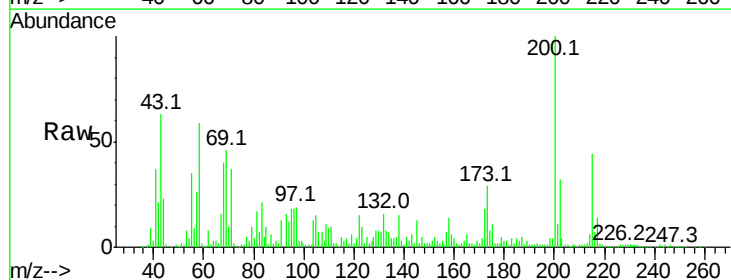
Tgt Ion:200 Resp: 245225

Ion Ratio Lower Upper

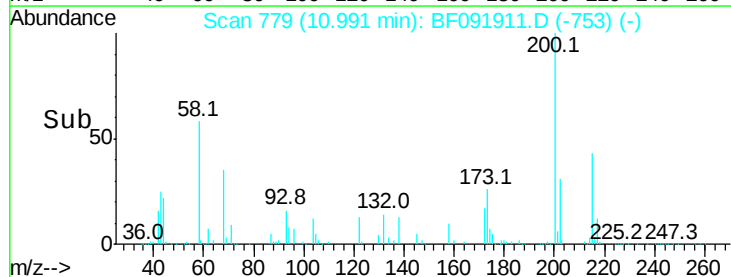
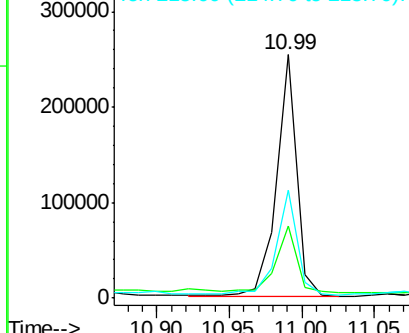
200 100

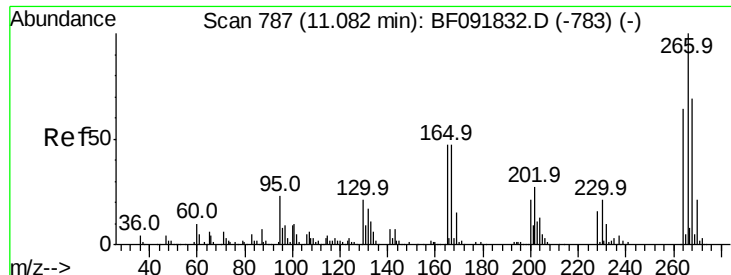
173 29.4 9.6 49.6

215 44.4 25.7 65.7



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

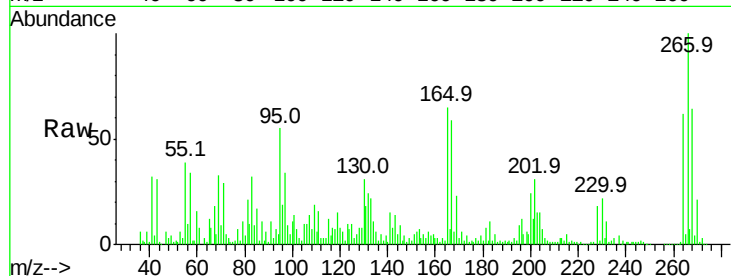




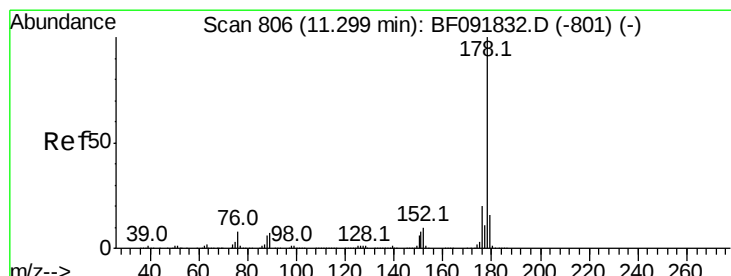
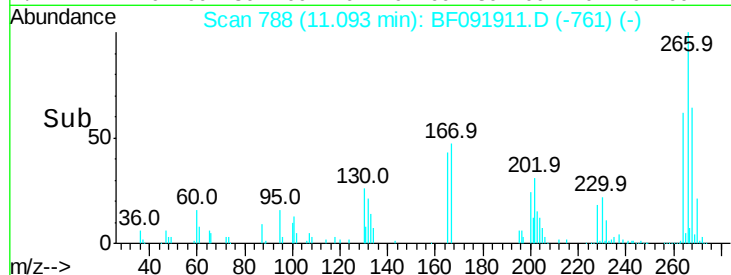
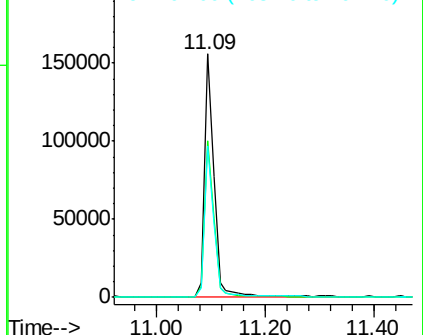
#69
 Pentachlorophenol
 Concen: 74.87 ng
 RT: 11.09 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 191775
 Ion Ratio Lower Upper
 266 100
 268 64.4 53.3 79.9
 264 62.1 50.3 75.5

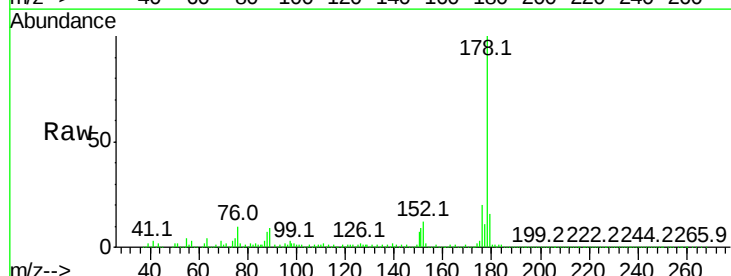


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

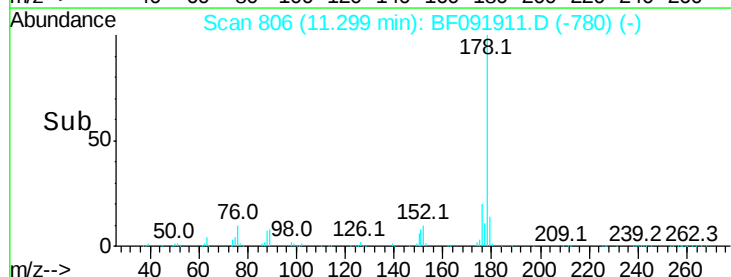
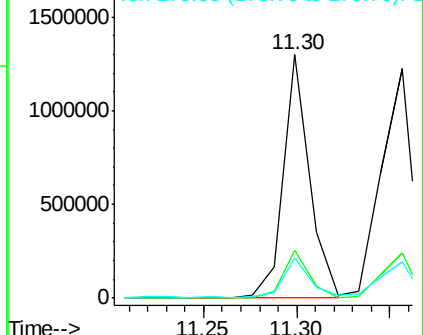


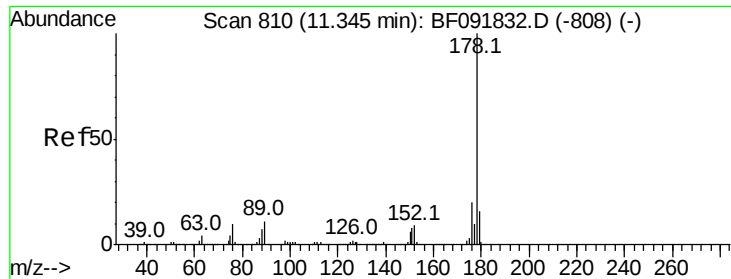
#70
 Phenanthrene
 Concen: 49.28 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion:178 Resp: 1254421
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 25.0
 179 16.4 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



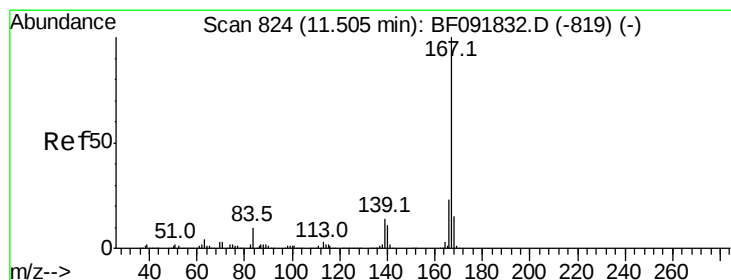
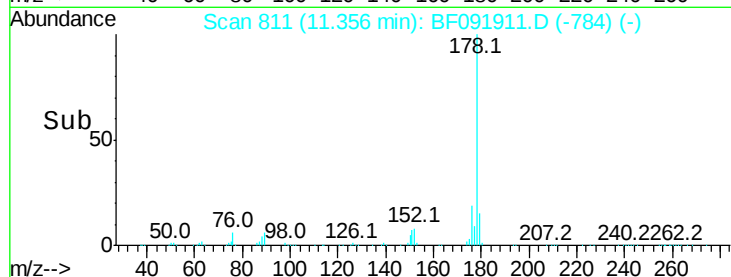
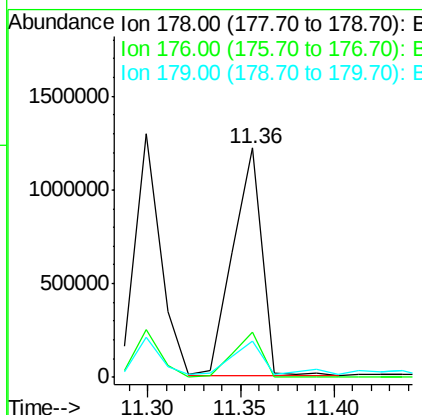
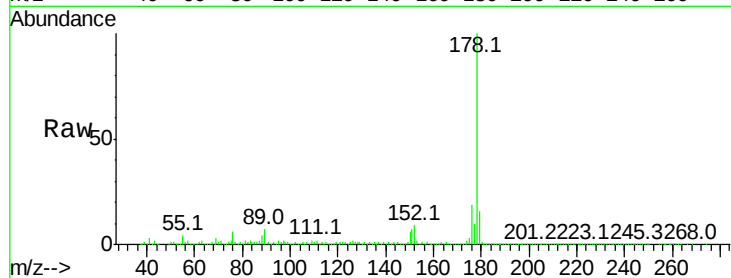


#71
 Anthracene
 Concen: 78.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 1325767

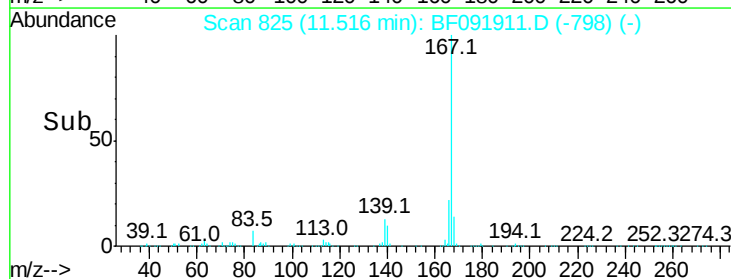
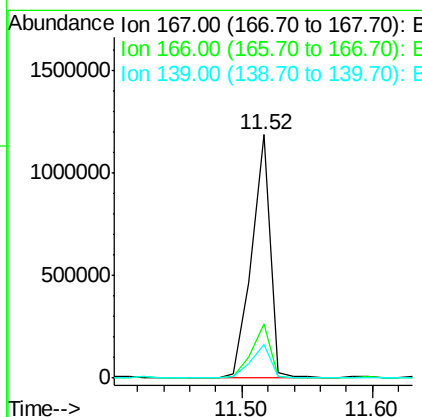
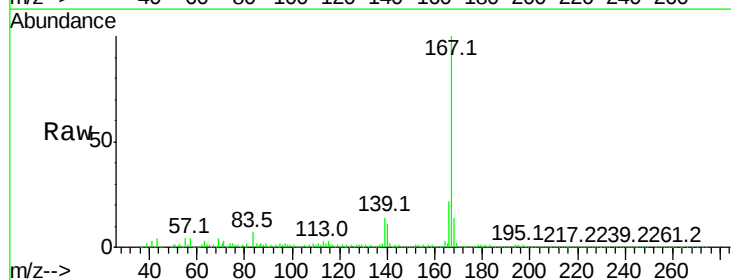
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.9	13.2	19.8

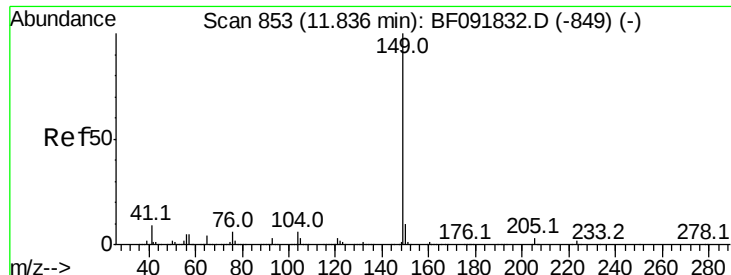


#72
 Carbazole
 Concen: Below Cal
 RT: 11.52 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion:167 Resp: 1162932

Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.2	27.2
139	13.9	11.4	17.2





#73

Di-n-butylphthalate

Concen: 64.74 ng

RT: 11.85 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

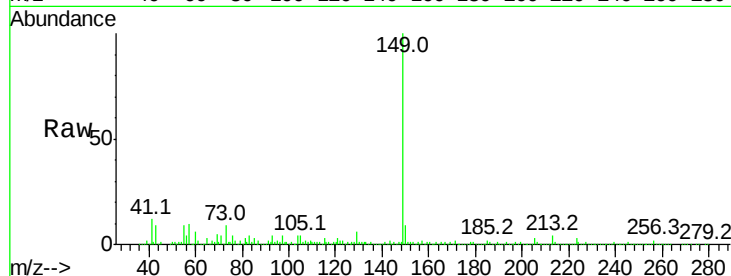
Tot Ion:149 Resp: 1518251

Ion Ratio Lower Upper

149 100

150 9.3 8.1 12.1

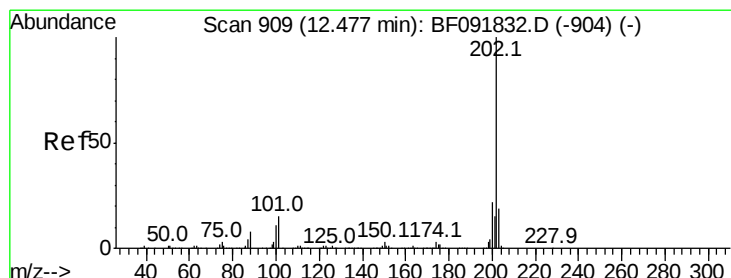
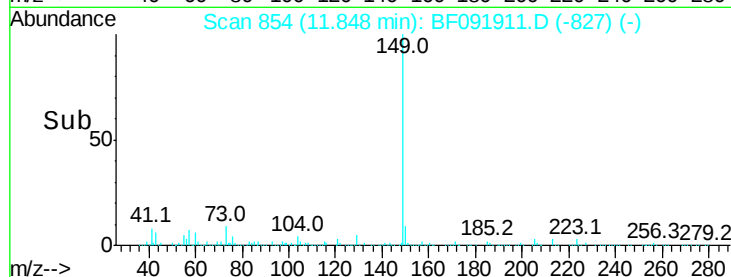
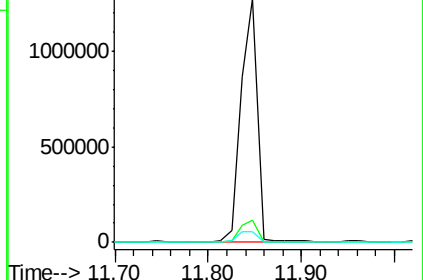
104 4.5 4.6 7.0#



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: 57.35 ng

RT: 12.49 min Scan# 910

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

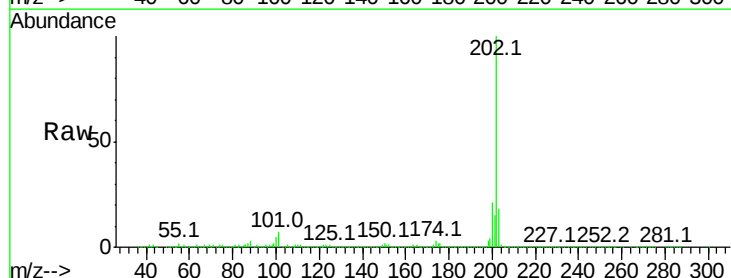
Tgt Ion:202 Resp: 1257350

Ion Ratio Lower Upper

202 100

101 6.9 0.0 34.6

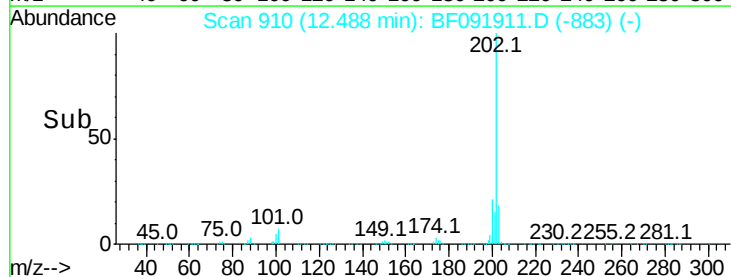
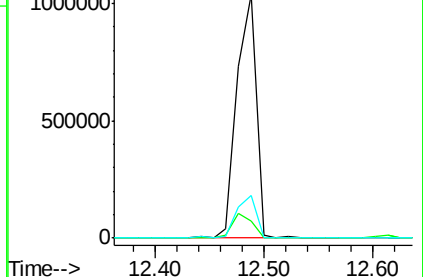
203 17.7 0.0 38.7

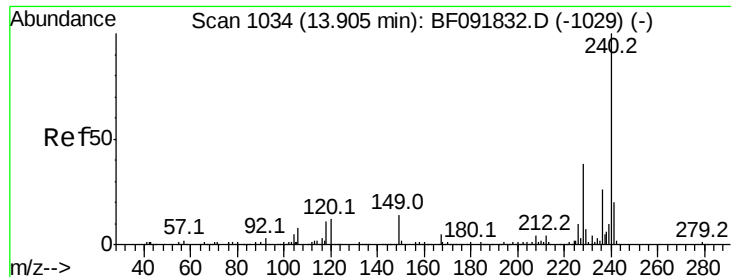


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

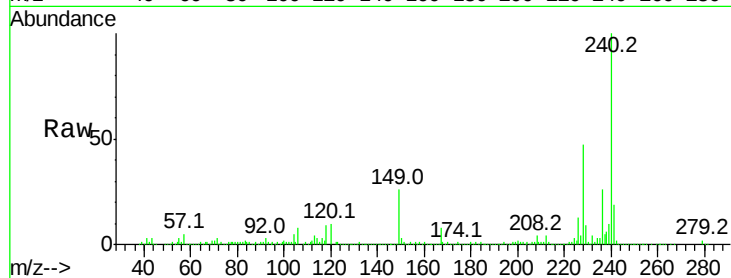
Tot Ion:240 Resp: 433505

Ion Ratio Lower Upper

240 100

120 10.4 12.9 19.3#

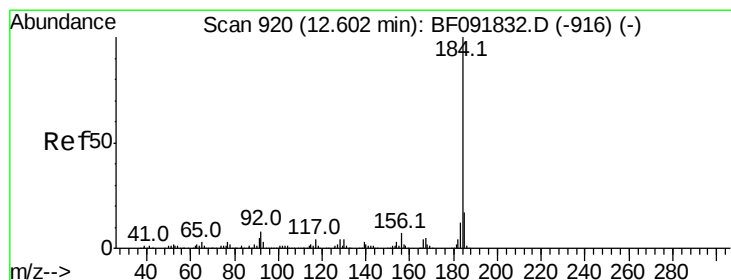
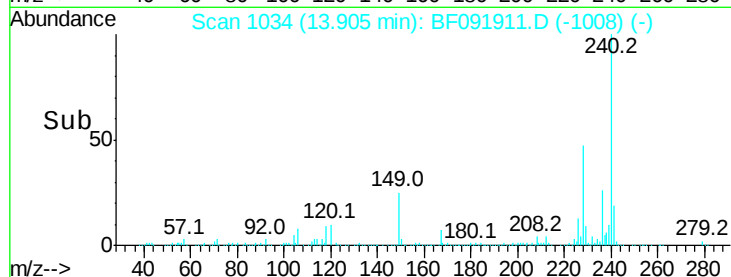
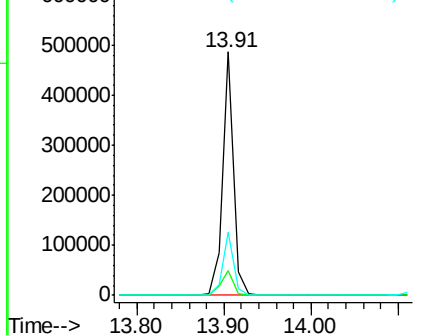
236 25.7 20.9 31.3



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: 13.66 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

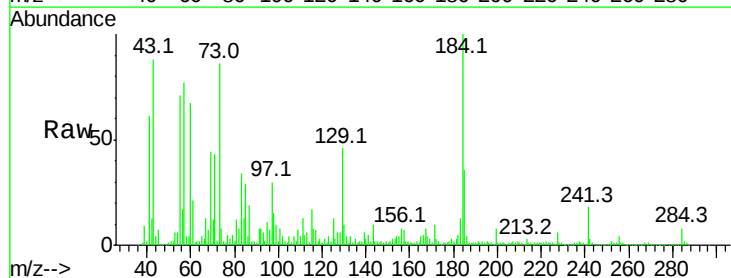
Tgt Ion:184 Resp: 189997

Ion Ratio Lower Upper

184 100

185 35.6 13.4 20.0#

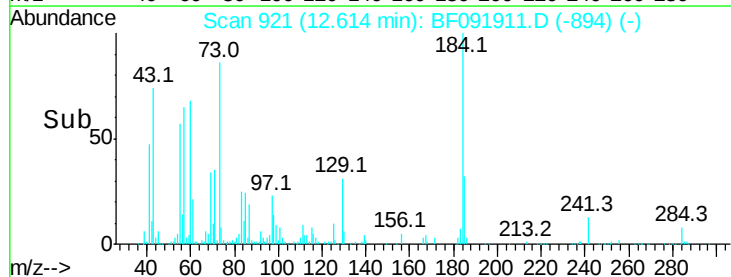
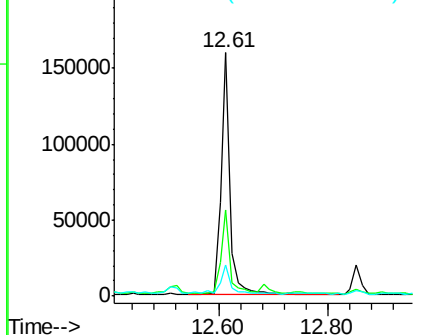
183 12.8 9.2 13.8

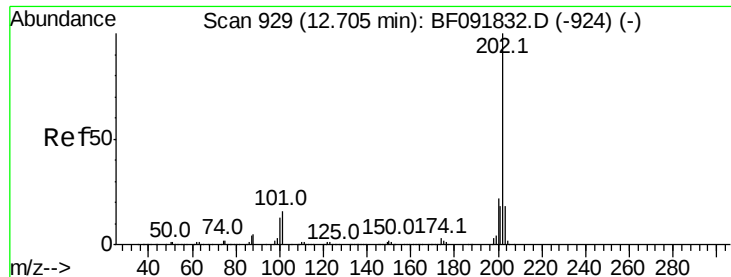


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 37.04 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

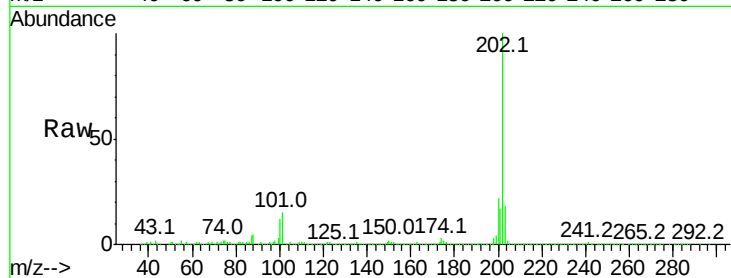
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1178254

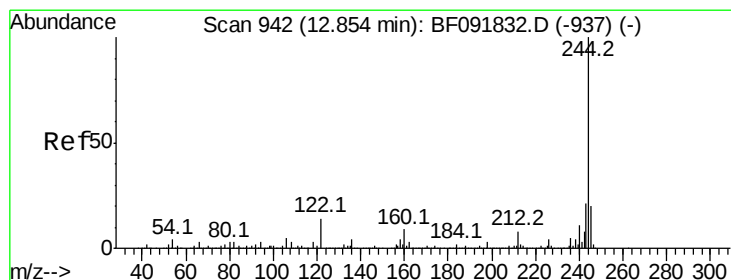
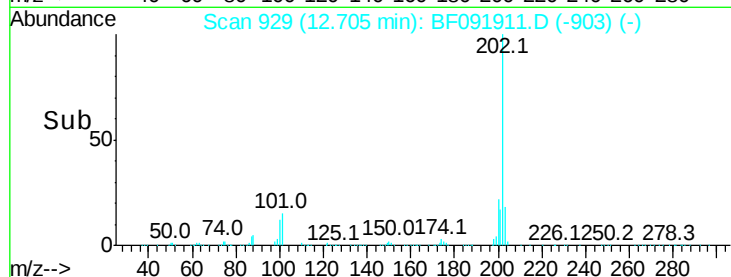
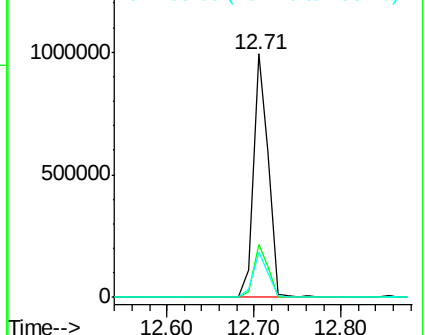
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.4	14.7	22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.12 ng

RT: 12.85 min Scan# 942

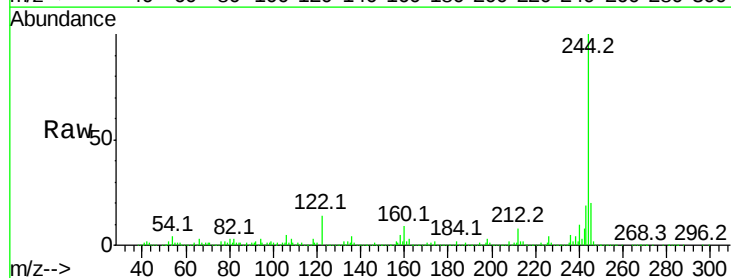
Delta R.T. -0.00 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Tgt Ion:244 Resp: 1432020

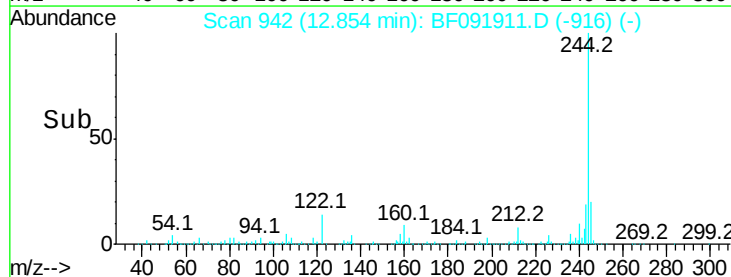
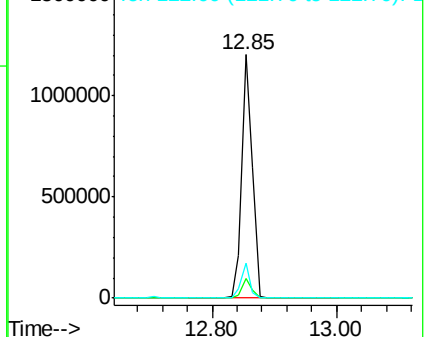
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	14.4	11.4	17.2

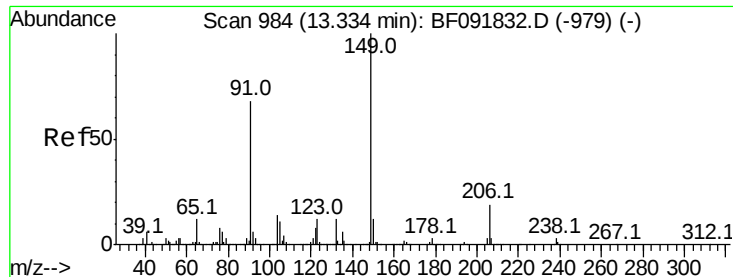


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

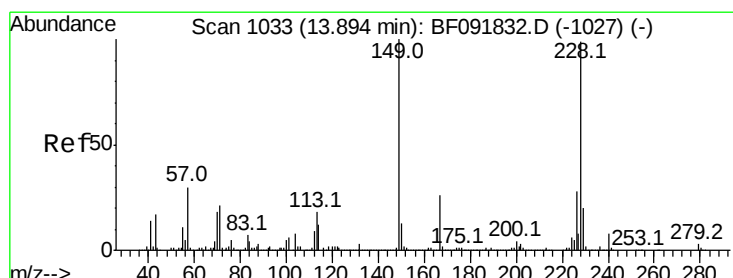
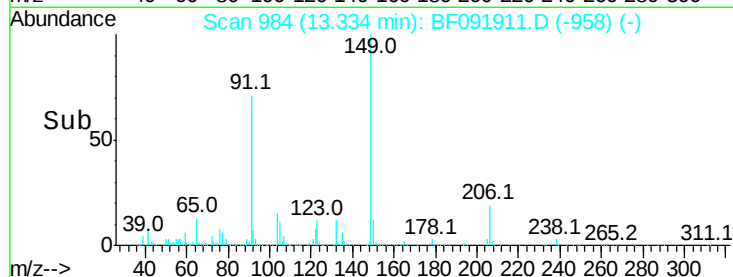
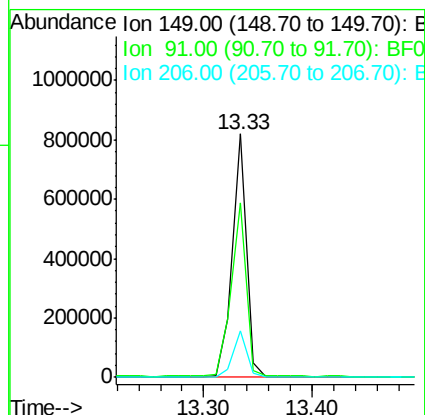
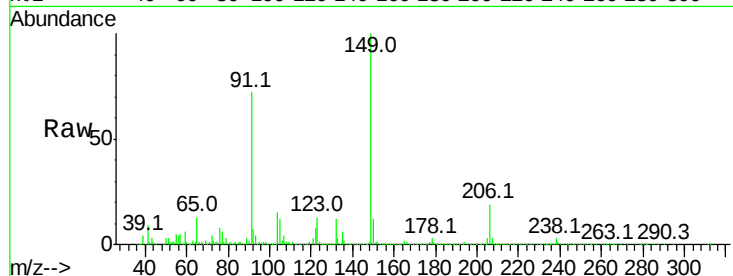




#79
Butylbenzylphthalate
Concen: 50.54 ng
RT: 13.33 min Scan# 984
Delta R.T. -0.00 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

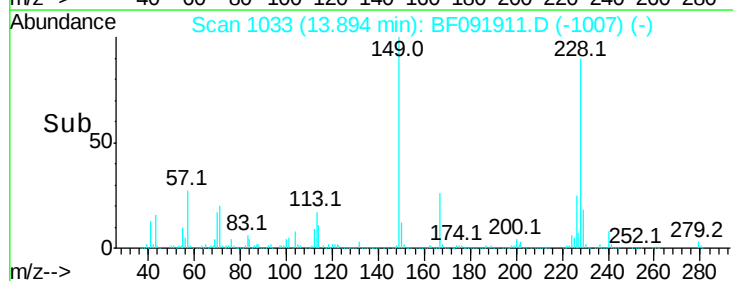
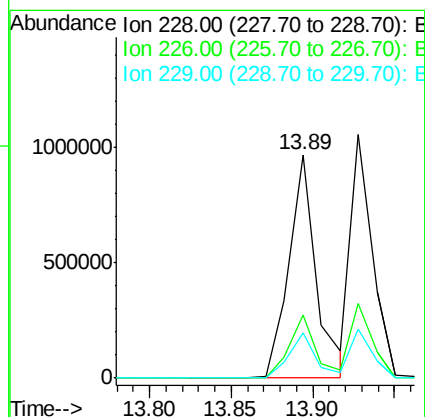
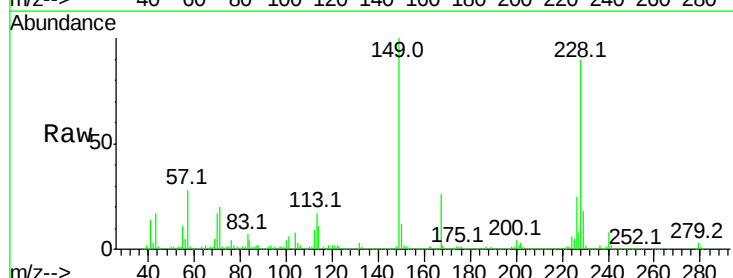
Instrument :
BNA_F
ClientSampleId :

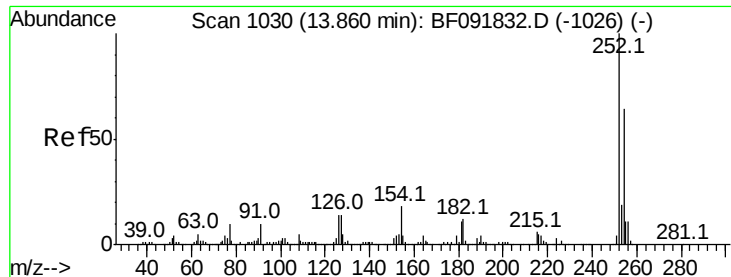
Tot Ion	Ratio	Lower	Upper
149	100		
91	71.8	63.9	95.9
206	19.1	14.6	21.8



#80
Benzo(a)anthracene
Concen: 46.52 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.4	33.6
229	20.4	16.2	24.4

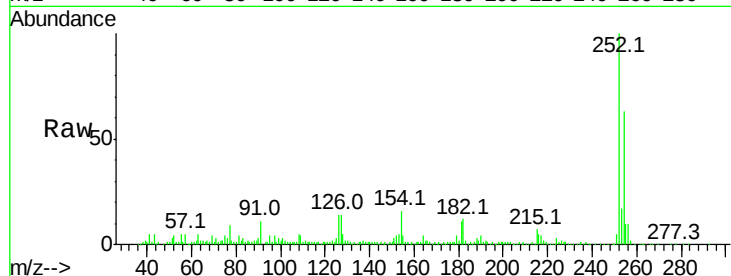




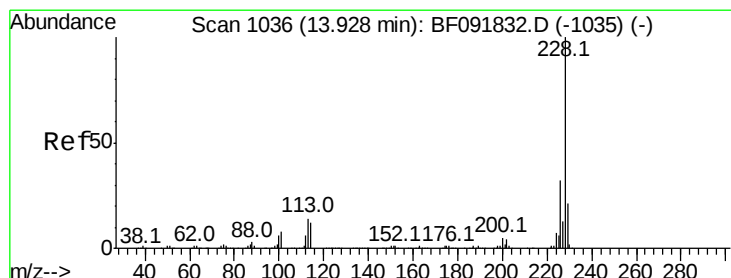
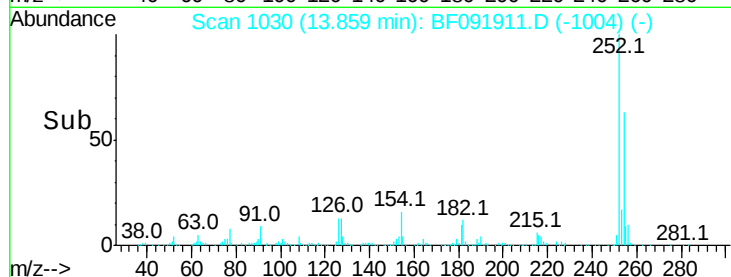
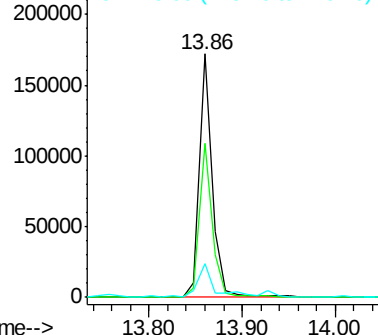
#81
 3,3'-Dichlorobenzidine
 Concen: 17.90 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.4	52.3	78.5
126	13.8	13.6	20.4

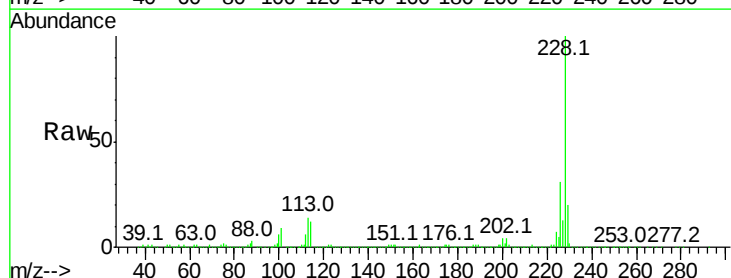


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

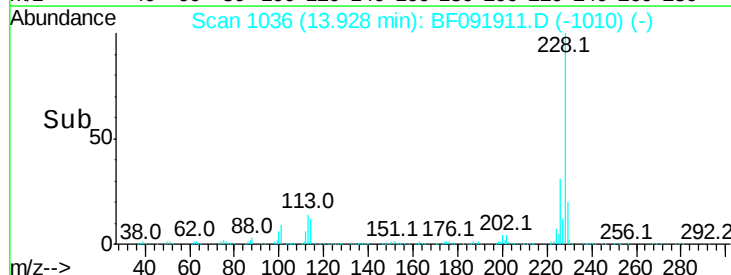
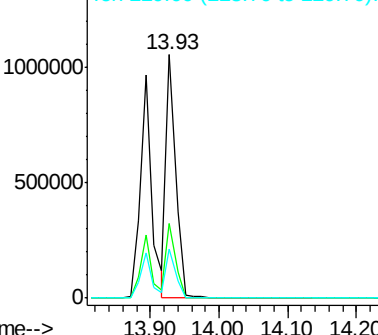


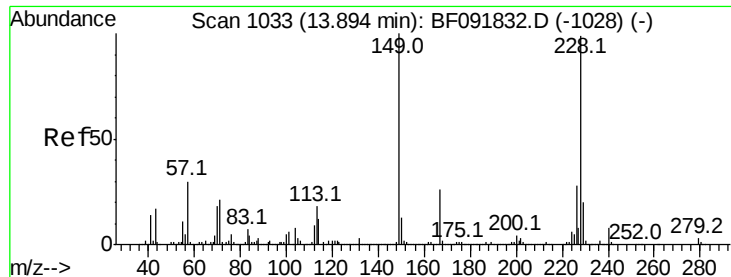
#82
 Chrysene
 Concen: 41.01 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.0
229	20.4	16.2	24.2



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

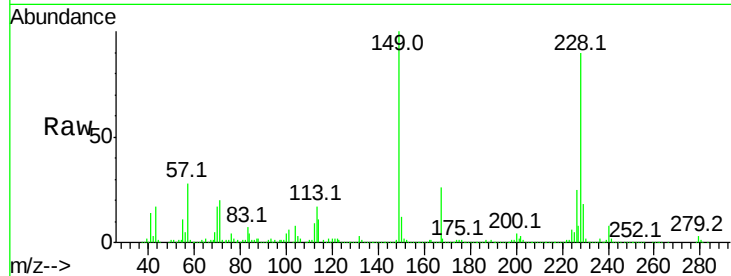




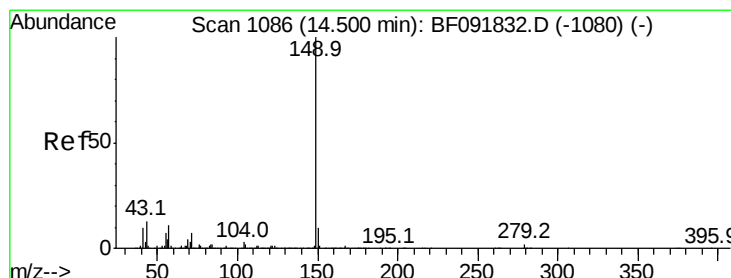
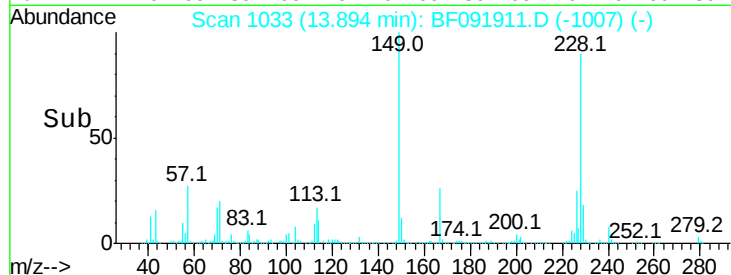
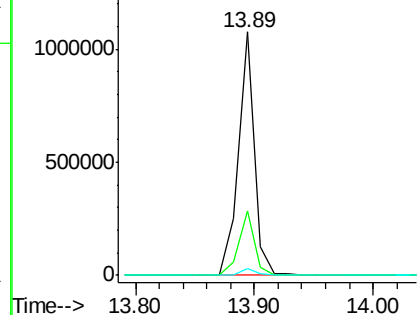
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 58.87 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 1002852
 Ion Ratio Lower Upper
 149 100
 167 26.3 20.2 30.4
 279 3.0 1.8 2.8#

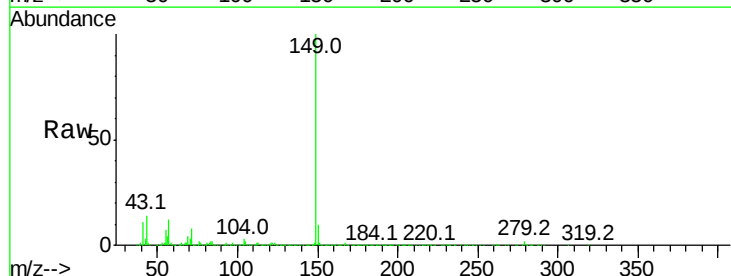


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

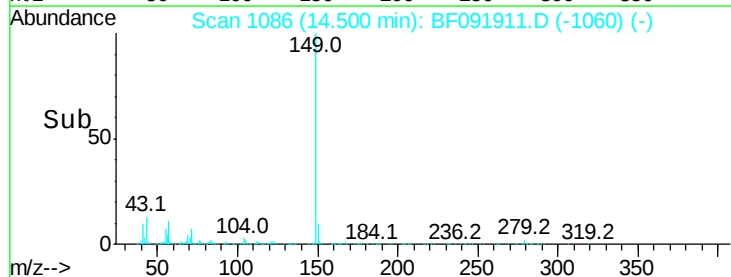
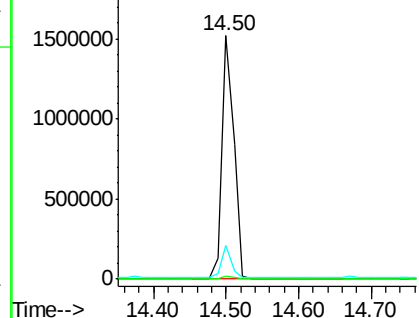


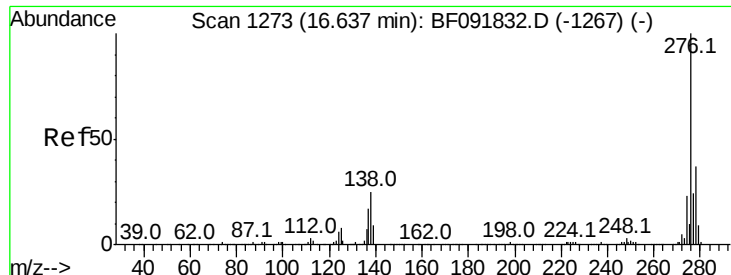
#84
 Di-n-octyl phthalate
 Concen: 54.98 ng
 RT: 14.50 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion:149 Resp: 1734997
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 11.0 8.9 13.3



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

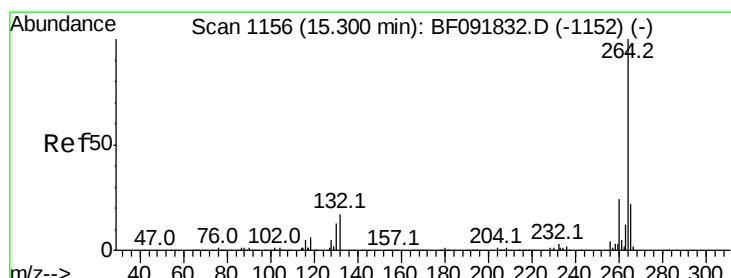
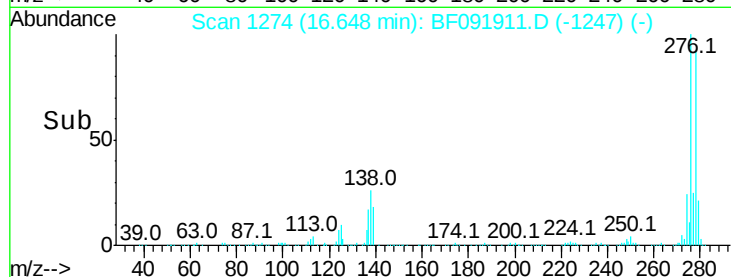
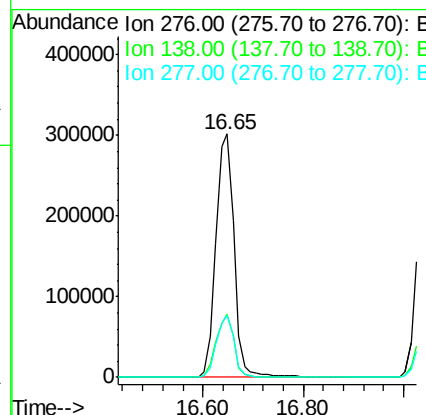
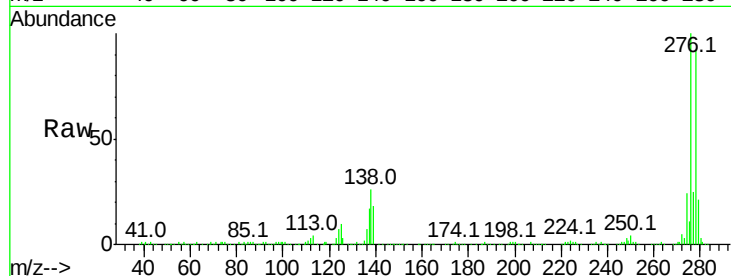




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.63 ng
 RT: 16.65 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

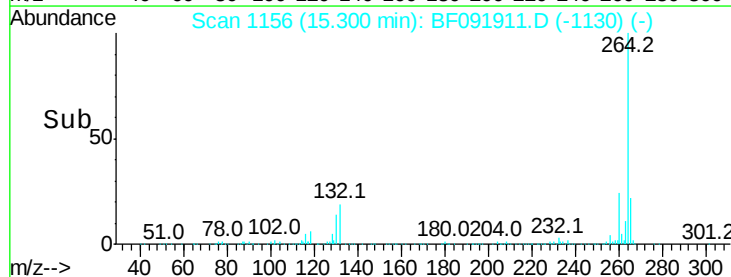
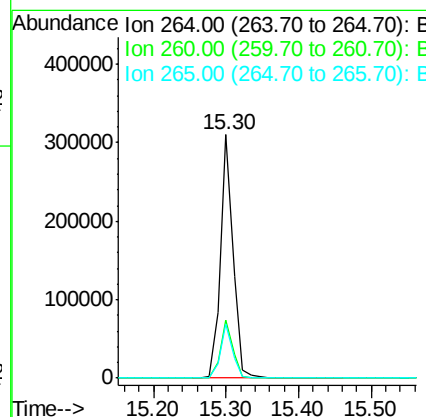
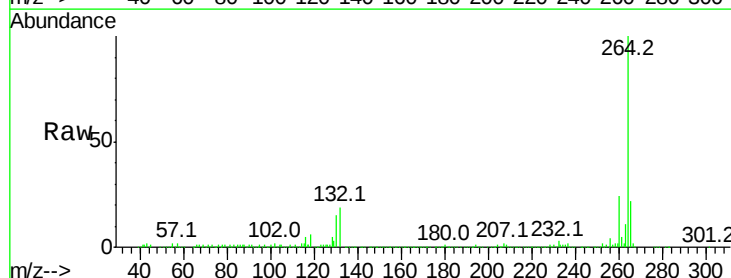
Instrument :
 BNA_F
 ClientSampleId :

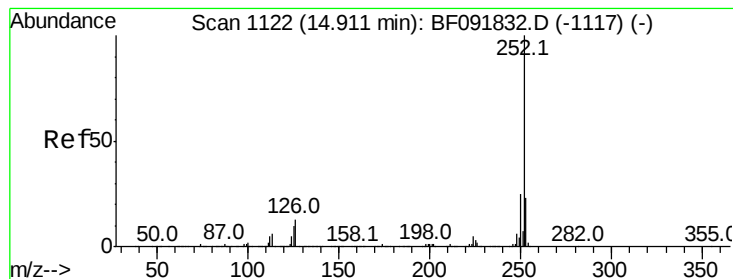
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	21.8	32.6
277	24.8	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF091911.D
 Acq: 23 Dec 2016 7:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 92.61 ng

RT: 14.93 min Scan# 1124

Delta R.T. 0.02 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

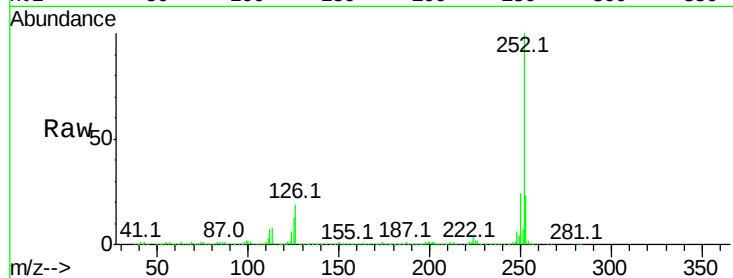
Tot Ion:252 Resp: 2160268

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

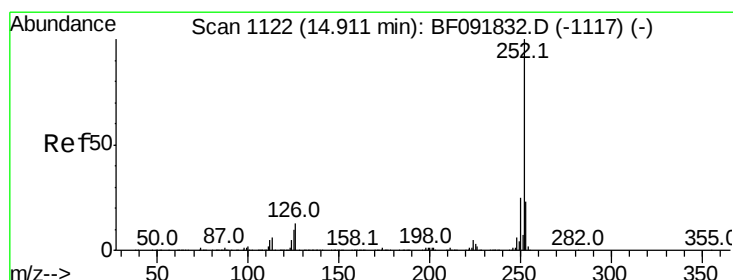
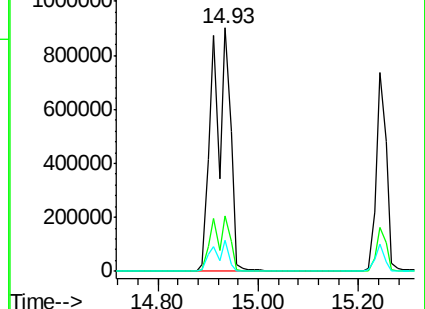
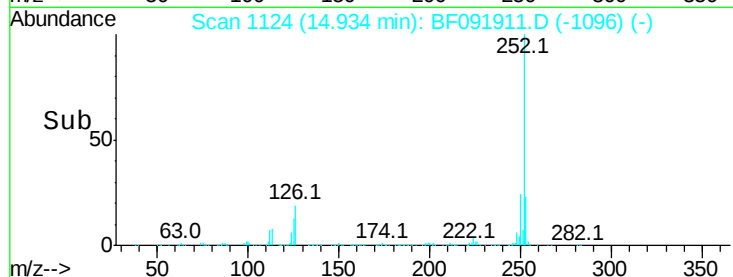
125 12.7 9.8 14.6



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: 108.61 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

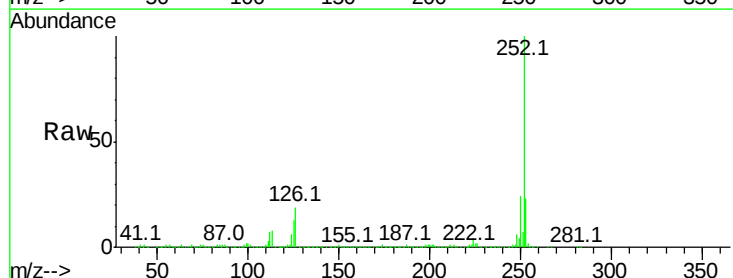
Tgt Ion:252 Resp: 2160268

Ion Ratio Lower Upper

252 100

253 22.7 18.5 27.7

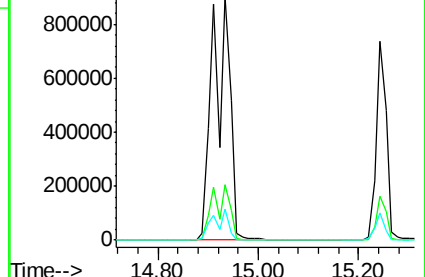
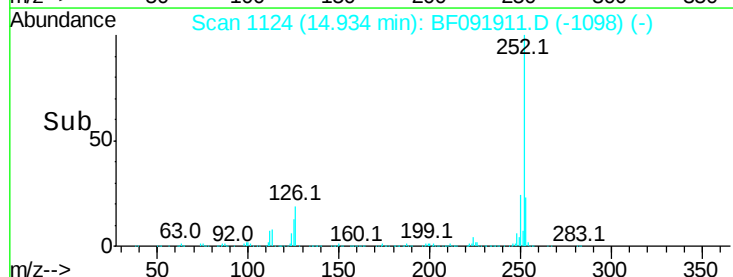
125 12.7 8.9 13.3

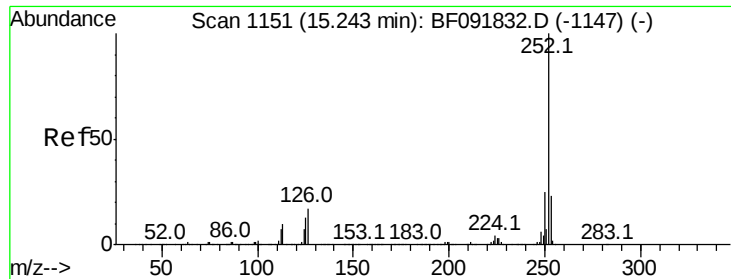


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

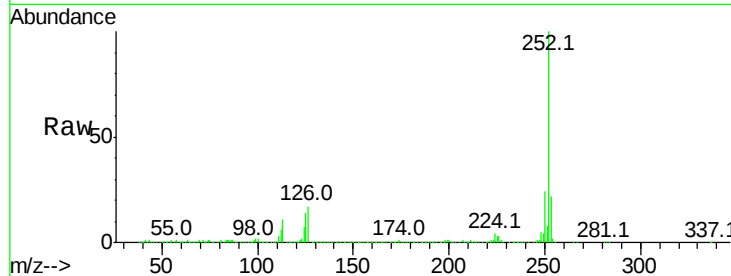




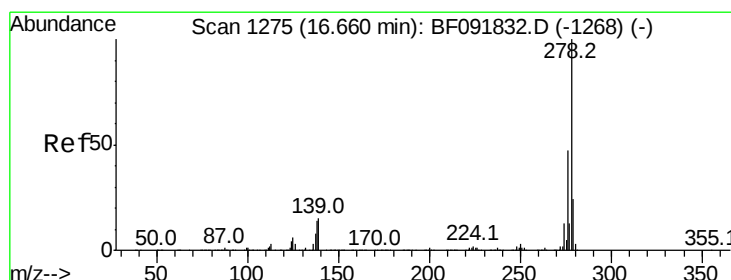
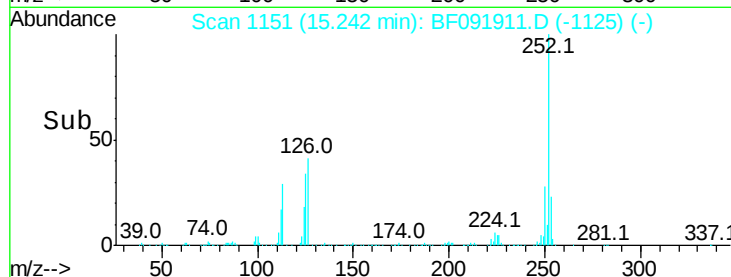
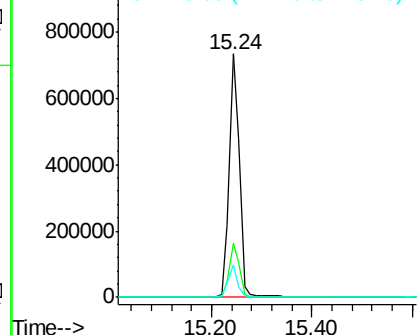
#89
Benzo(a)pyrene
Concen: 49.99 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 1034974
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 13.6 10.0 15.0

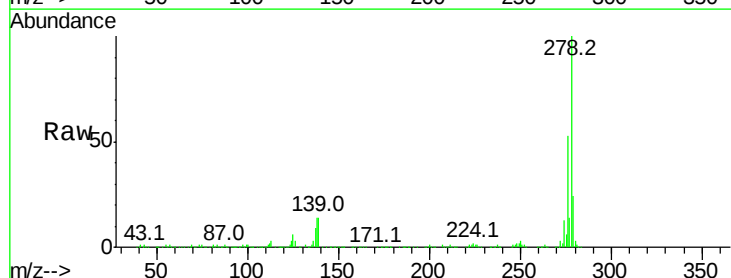


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

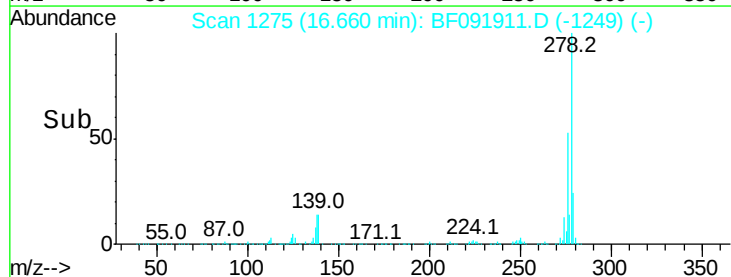
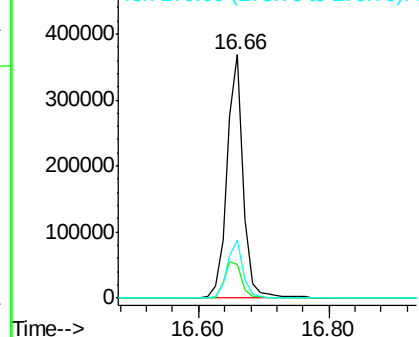


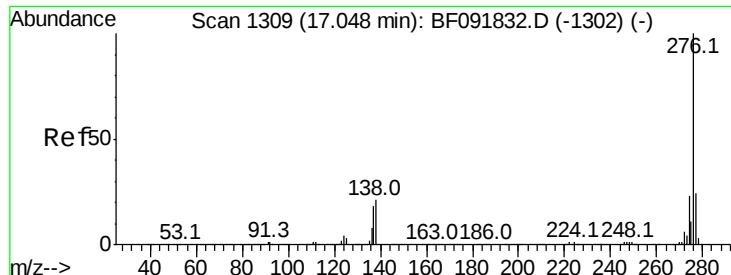
#90
Dibenzo(a,h)anthracene
Concen: 37.38 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BF091911.D
Acq: 23 Dec 2016 7:49

Tgt Ion:278 Resp: 636093
Ion Ratio Lower Upper
278 100
139 14.0 14.8 22.2#
279 24.1 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 35.03 ng

RT: 17.05 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF091911.D

Acq: 23 Dec 2016 7:49

Instrument :

BNA_F

ClientSampleId :

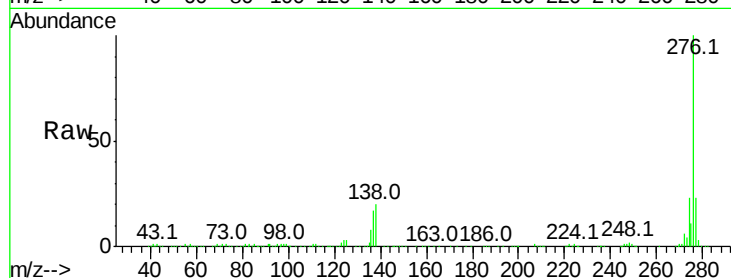
Tot Ion: 276 Resp: 619856

Ion Ratio Lower Upper

276 100

277 23.2 19.2 28.8

138 19.6 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

