

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090217\
 Data File : BF098268.D
 Acq On : 3 Sep 2017 1:40
 Operator : SJ/JU
 Sample : I5046-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 07:30:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	115221	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	419044	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	165619	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	294214	20.00	ng	-0.04
75) Chrysene-d12	13.86	240	284302	20.00	ng	-0.04
86) Perylene-d12	15.28	264	207178	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	884226	116.73	ng	-0.02
7) Phenol-d6	6.36	99	1160654	112.77	ng	-0.02
23) Nitrobenzene-d5	7.28	82	688829	89.30	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	187133	130.22	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	905656	80.34	ng	-0.04
78) Terphenyl-d14	12.82	244	731105	53.63	ng	-0.04

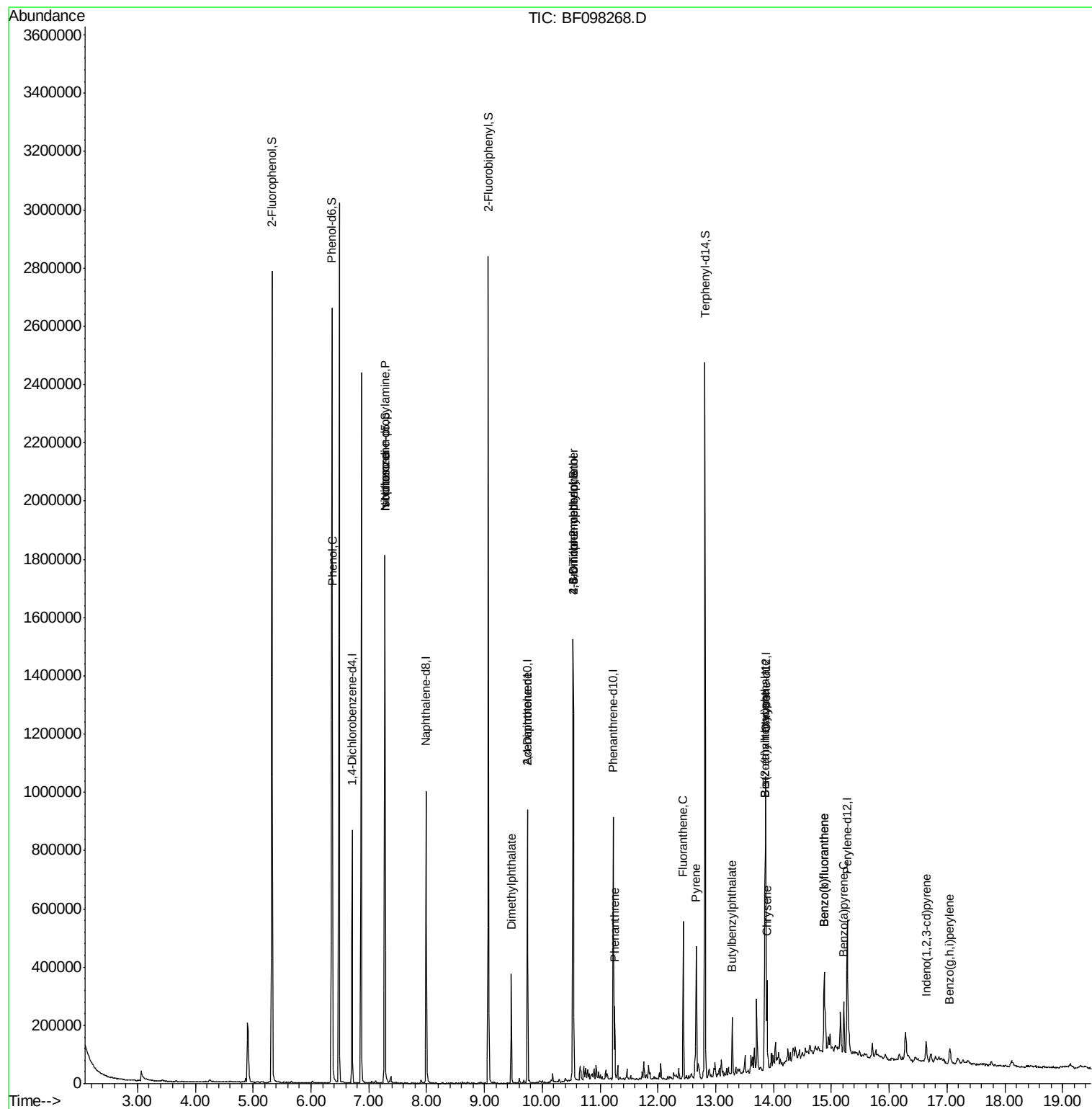
Target Compounds				Qvalue		
10) Phenol	6.37	94	24836	2.063	ng	95
19) n-Nitroso-di-n-propylamine	7.28	70	89668	12.727	ng	# 69
25) Isophorone	7.28	82	677710	42.252	ng	# 67
49) Dimethylphthalate	9.46	163	140511	11.606	ng	100
56) 2,4-Dinitrotoluene	9.75	165	20688	6.822	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.53	198	301	8.500	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	12227	4.002	ng	# 1
70) Phenanthrene	11.25	178	80096	5.109	ng	99
74) Fluoranthene	12.44	202	202645	12.384	ng	98
77) Pyrene	12.67	202	183585	7.895	ng	97
79) Butylbenzylphthalate	13.29	149	41576	4.664	ng	# 72
80) Benzo(a)anthracene	13.85	228	97953	5.749	ng	98
82) Chrysene	13.89	228	103183	6.087	ng	98
83) Bis(2-ethylhexyl)phthalate	13.85	149	65264	6.606	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	38762	3.109	ng	93
87) Benzo(b)fluoranthene	14.87	252	175339	13.427	ng	98
88) Benzo(k)fluoranthene	14.87	252	175339	14.291	ng	98
89) Benzo(a)pyrene	15.22	252	75958	6.570	ng	98
91) Benzo(a,h,i)perylene	17.05	276	37483	3.817	ng	95

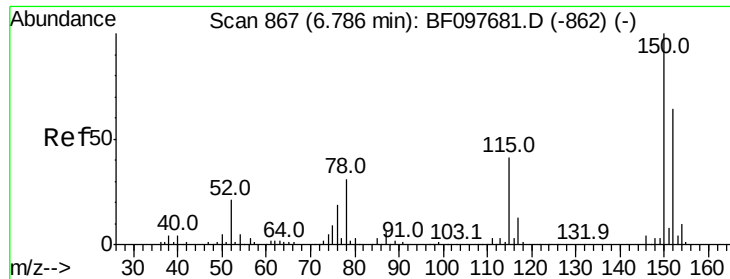
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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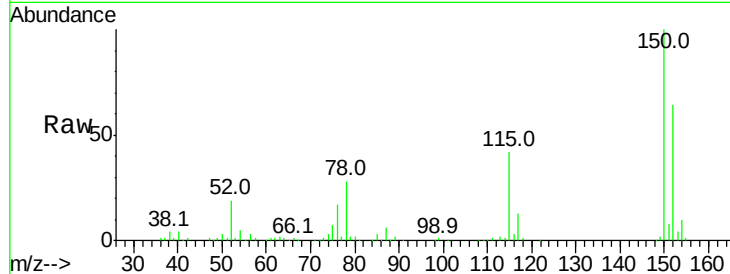


#1

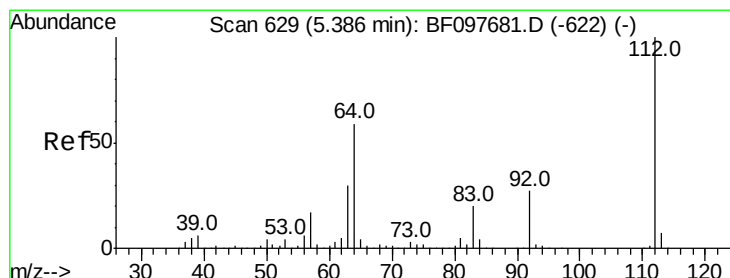
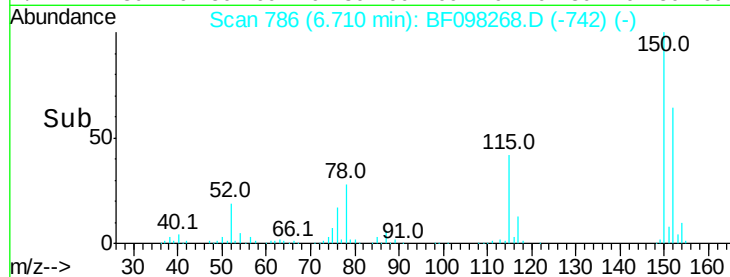
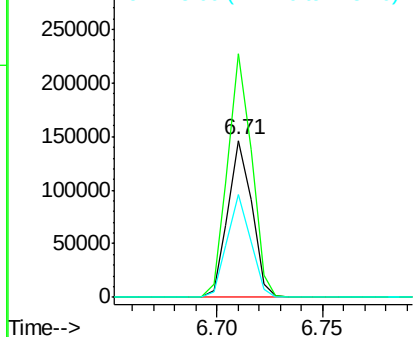
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115221
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.2
115 65.5 52.2 78.2



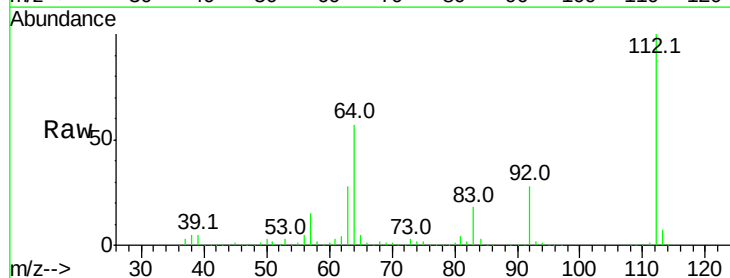
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



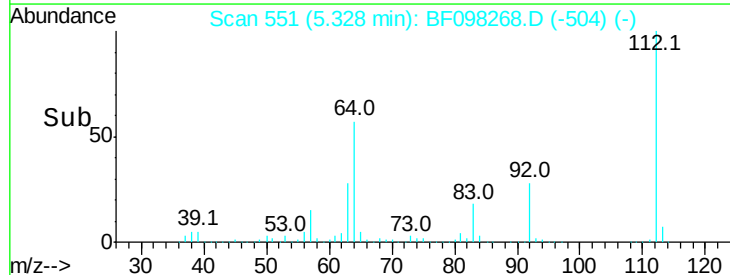
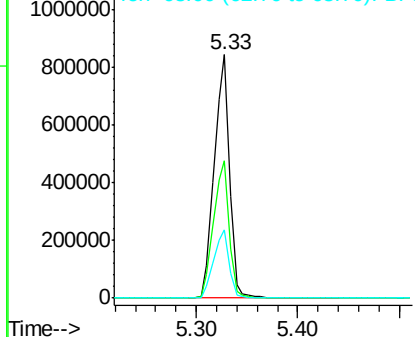
#5

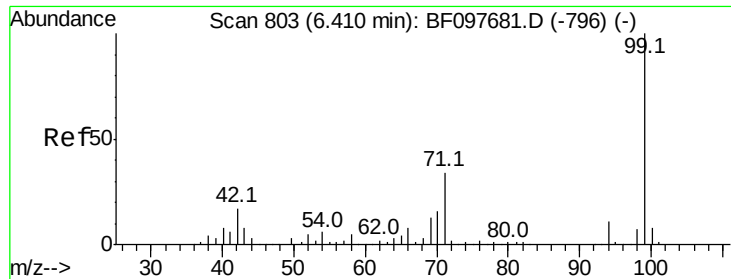
2-Fluorophenol
Concen: 116.730 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion:112 Resp: 884226
Ion Ratio Lower Upper
112 100
64 56.7 46.0 69.0
63 27.8 23.4 35.0



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





#7

Phenol-d6

Concen: 112.770 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

Instrument :

BNA_F

ClientSampled :

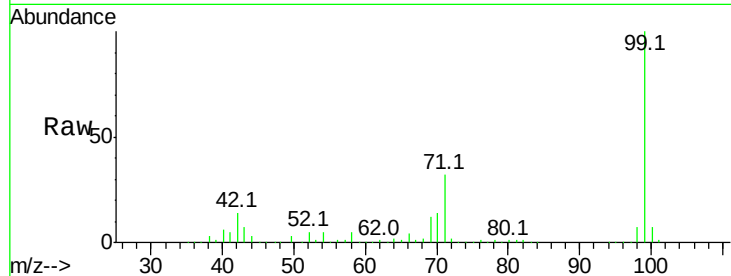
Tot Ion: 99 Resp: 1160654

Ion Ratio Lower Upper

99 100

42 14.2 13.5 20.3

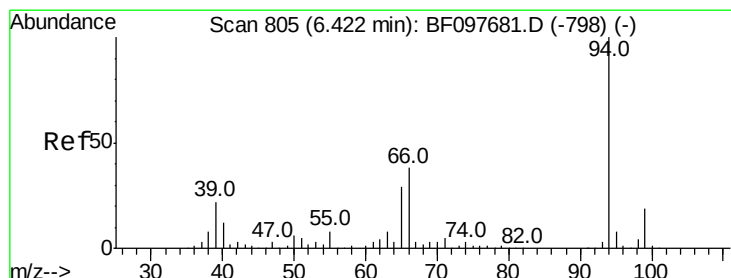
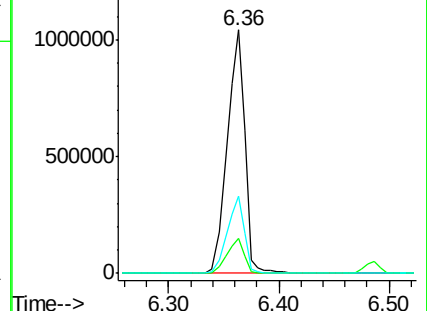
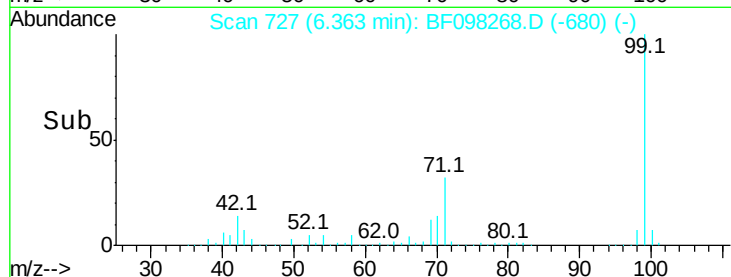
71 31.9 24.5 36.7



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



#10

Phenol

Concen: 2.063 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

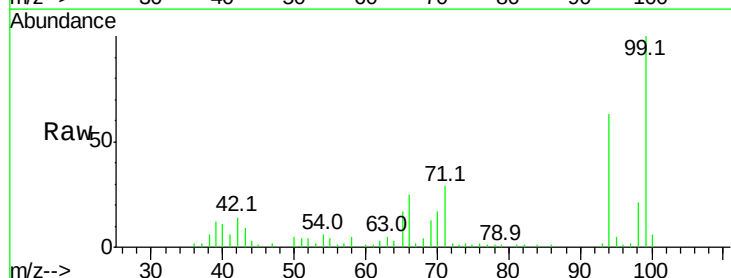
Tgt Ion: 94 Resp: 24836

Ion Ratio Lower Upper

94 100

65 26.8 9.9 49.9

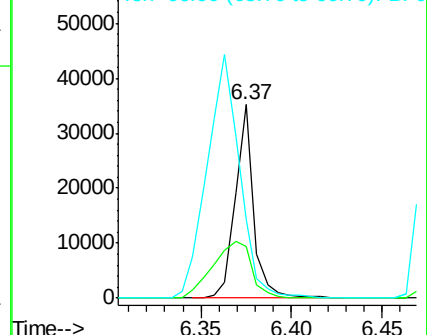
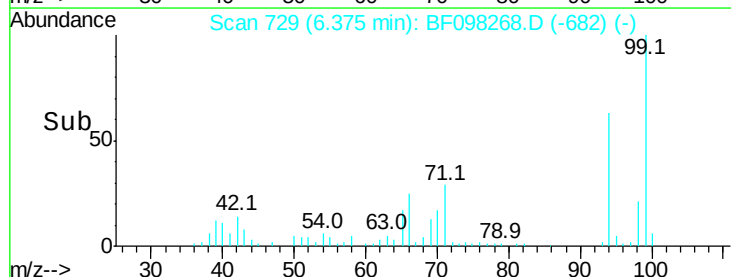
66 40.4 23.1 63.1

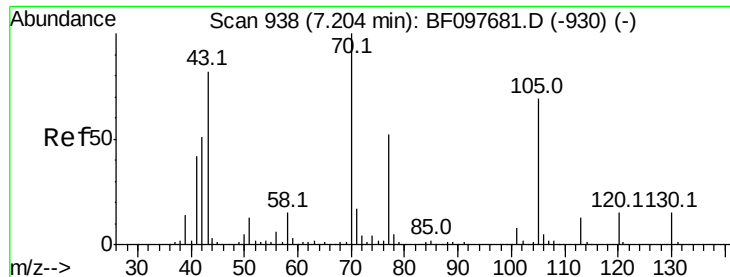


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

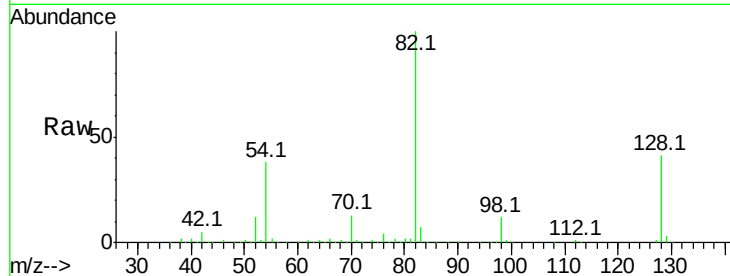




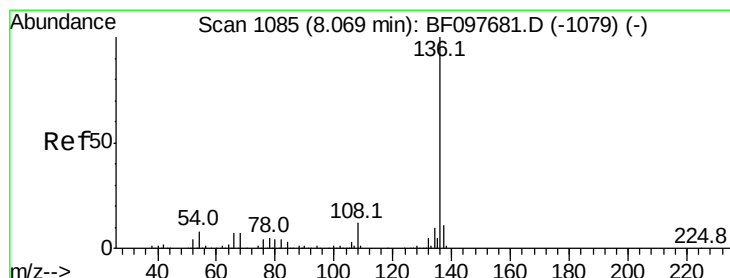
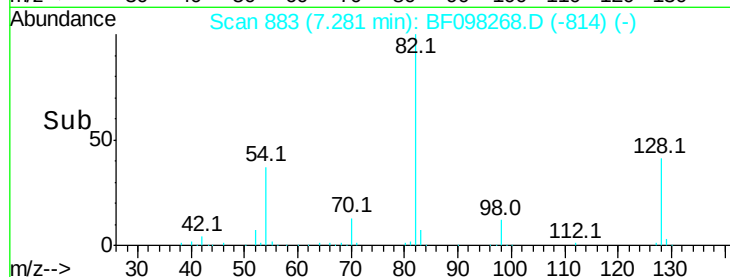
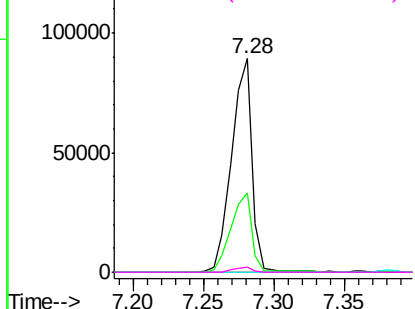
#19
n-Nitroso-di-n-propylamine
Concen: 12.727 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.11 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 89668
Ion Ratio Lower Upper
70 100
42 37.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#

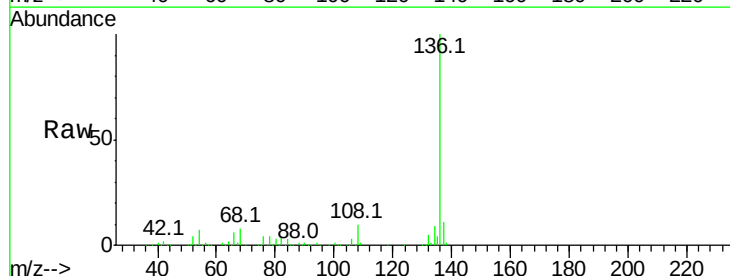


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

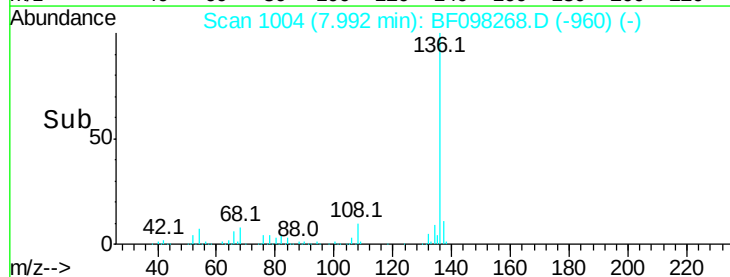
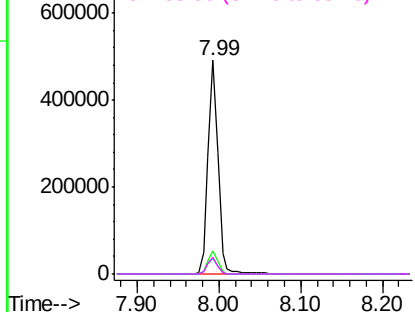


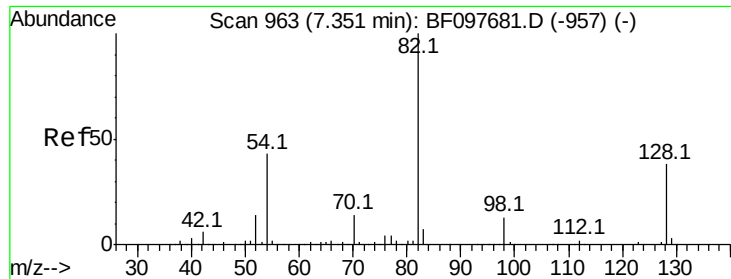
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion:136 Resp: 419044
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.4 4.9 7.3#
68 7.7 4.1 6.1#



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

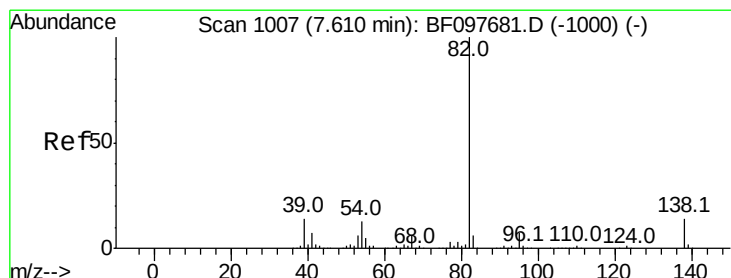
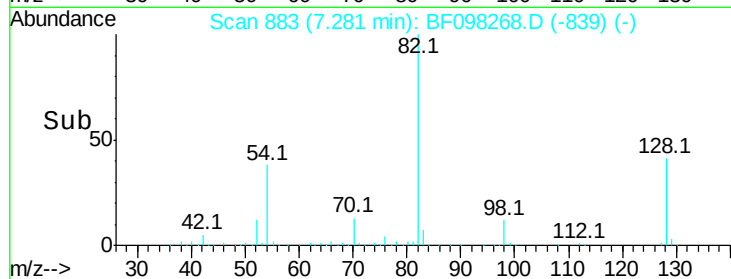
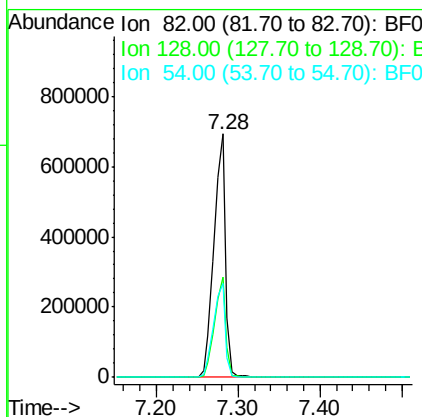
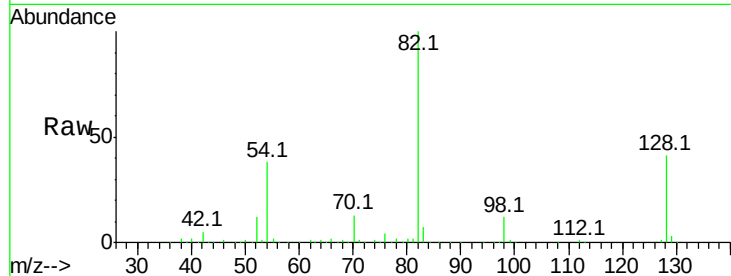




#23
Nitrobenzene-d5
Concen: 89.299 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

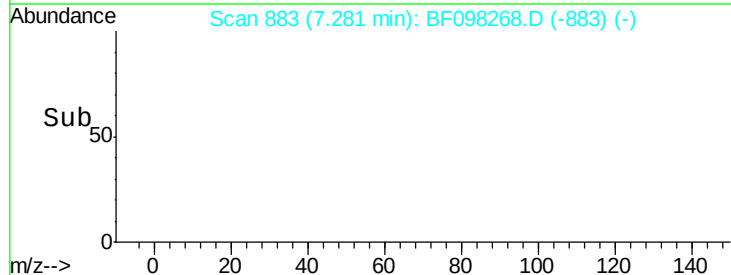
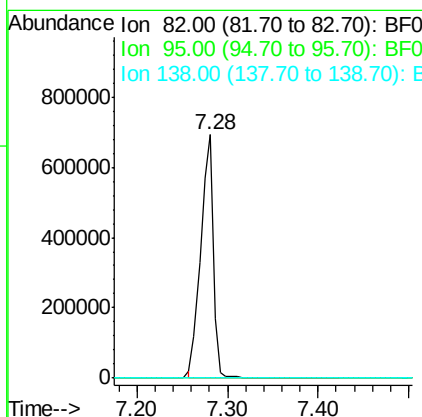
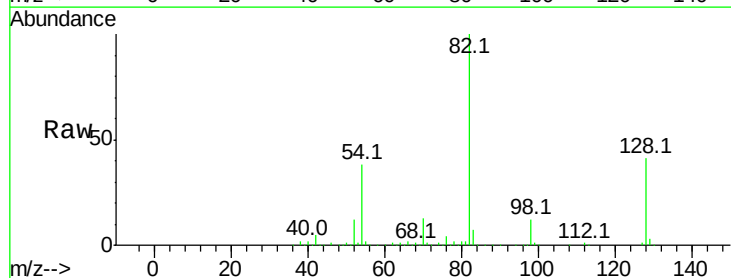
Instrument :
BNA_F
ClientSampleId :

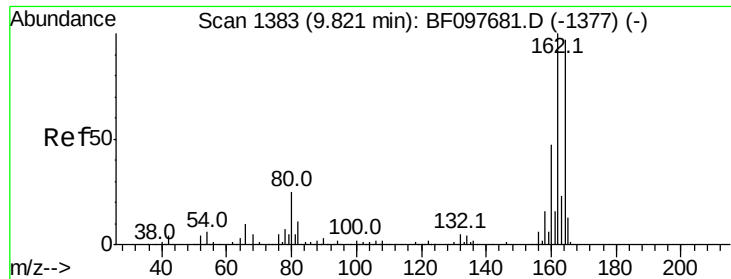
Tot Ion: 82 Resp: 688829
Ion Ratio Lower Upper
82 100
128 41.1 34.0 51.0
54 38.4 42.2 63.2#



#25
Isophorone
Concen: 42.252 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.30 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion: 82 Resp: 677710
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.04 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

Instrument :

BNA_F

ClientSampleId :

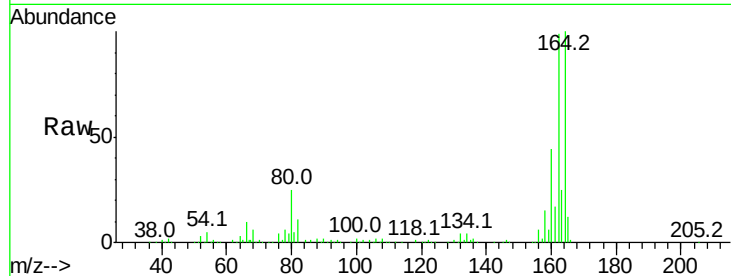
Tot Ion:164 Resp: 165619

Ion Ratio Lower Upper

164 100

162 99.2 82.6 123.8

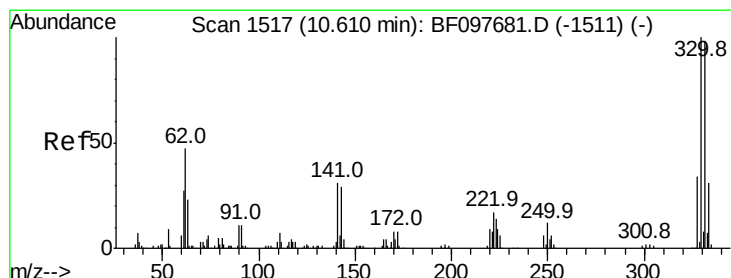
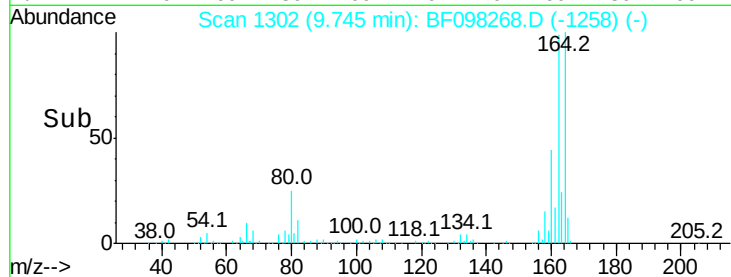
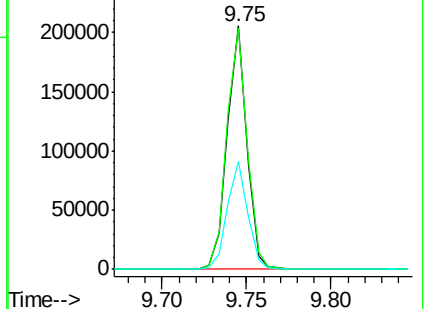
160 44.2 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 130.223 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.04 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

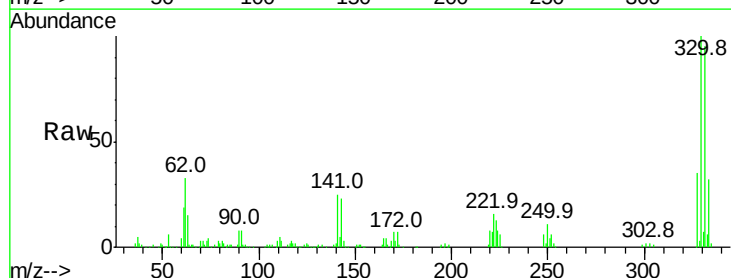
Tgt Ion:330 Resp: 187133

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

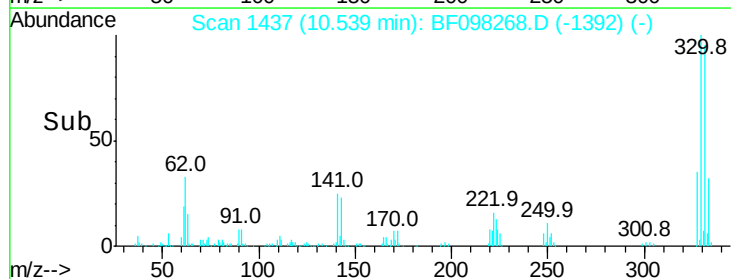
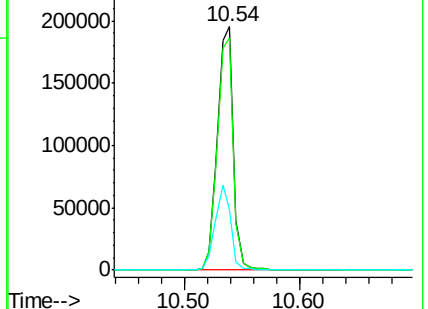
141 34.1 31.4 47.2

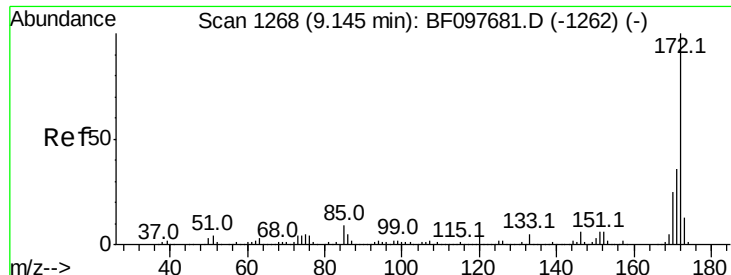


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

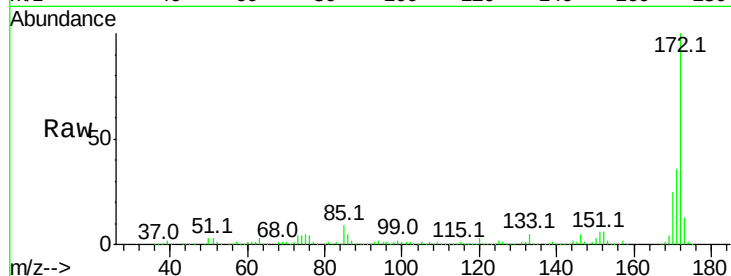




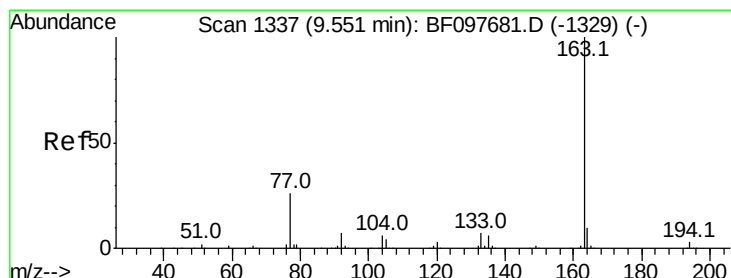
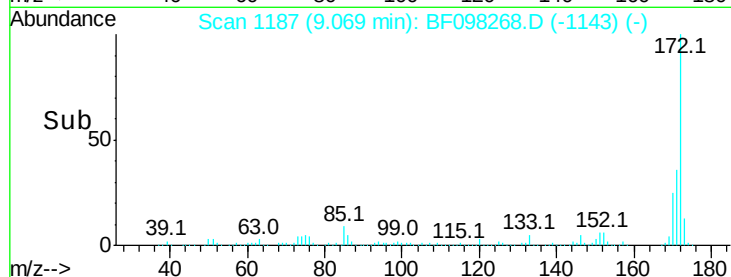
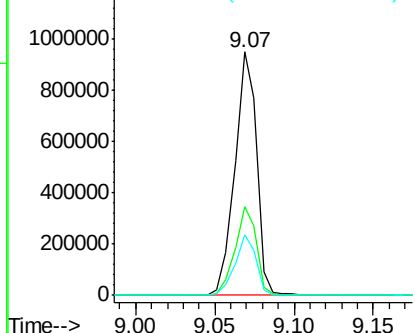
#44
2-Fluorobiphenyl
Concen: 80.341 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 905656
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.6 19.8 29.8

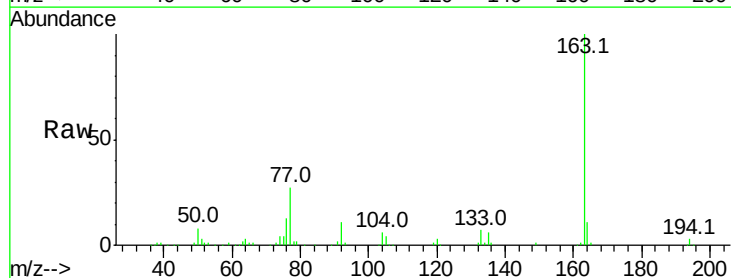


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

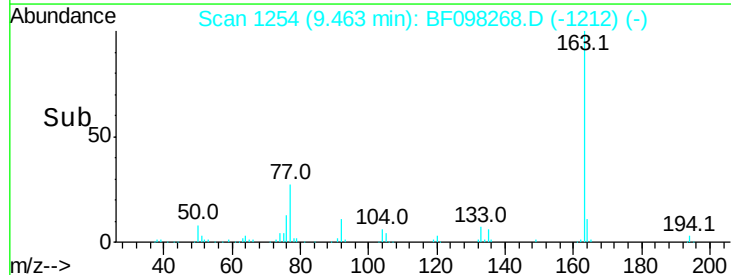
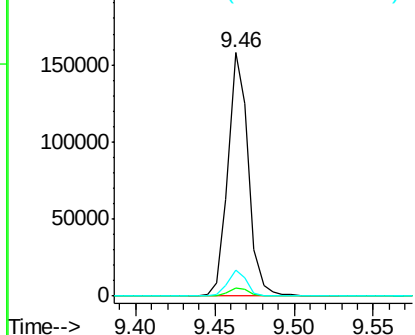


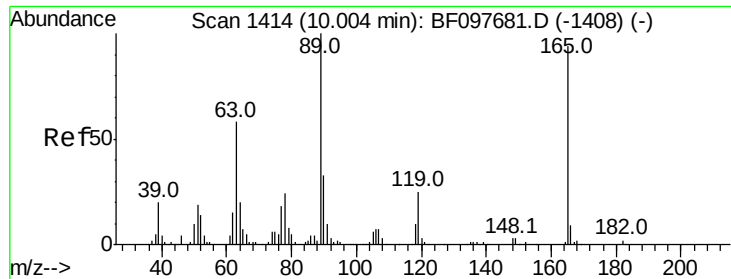
#49
Dimethylphthalate
Concen: 11.606 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.05 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion:163 Resp: 140511
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.6 8.4 12.6



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

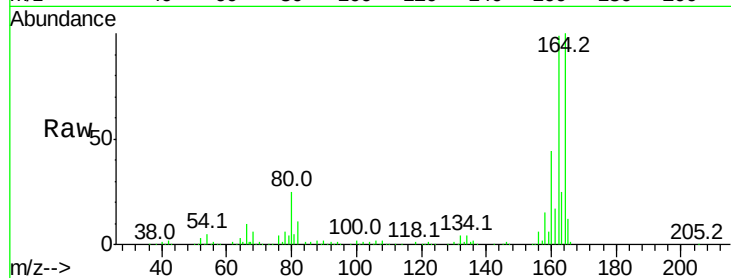




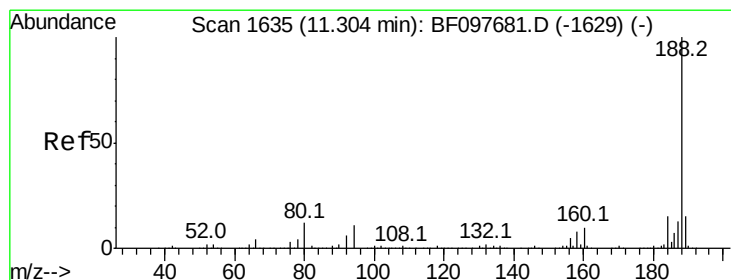
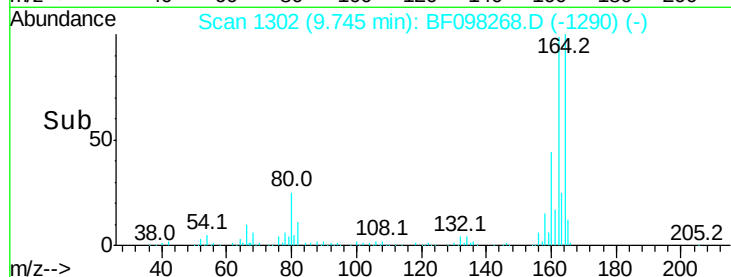
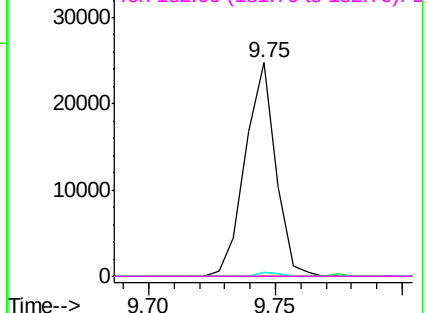
#56
 2,4-Dinitrotoluene
 Concen: 6.822 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.23 min
 Lab File: BF098268.D
 Acq: 3 Sep 2017 1:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20688
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#

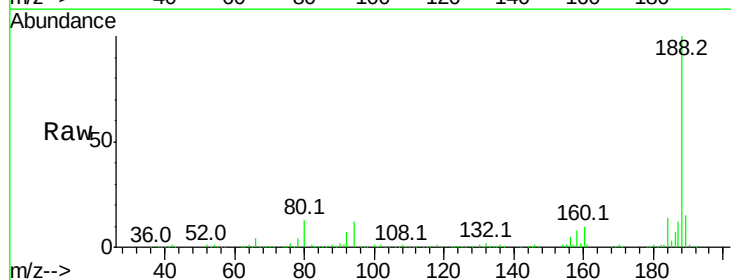


Abundance Ion 165.00 (164.70 to 165.70): E

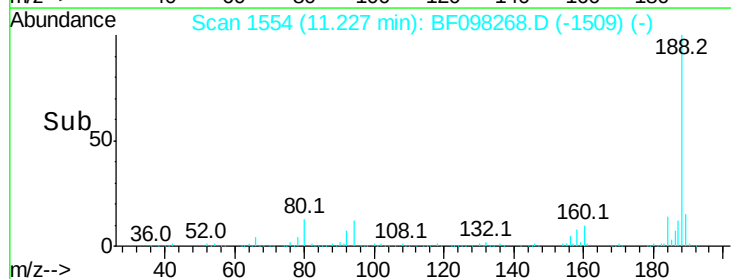
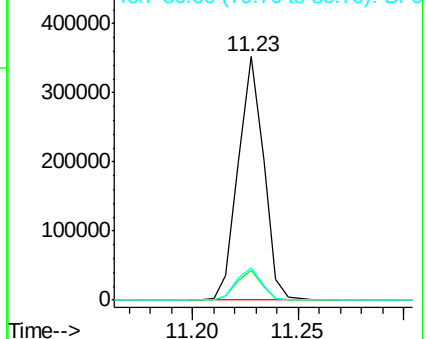


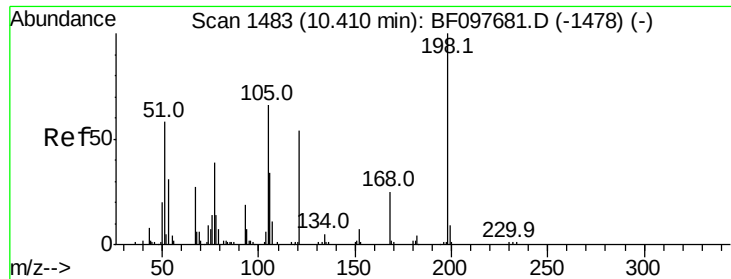
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.04 min
 Lab File: BF098268.D
 Acq: 3 Sep 2017 1:40

Tgt Ion:188 Resp: 294214
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 13.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

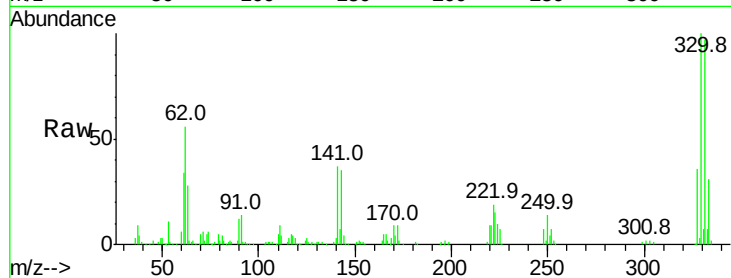




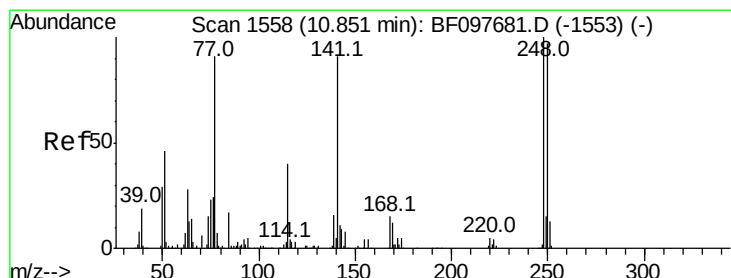
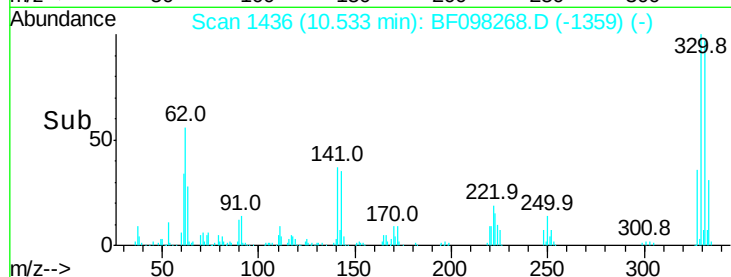
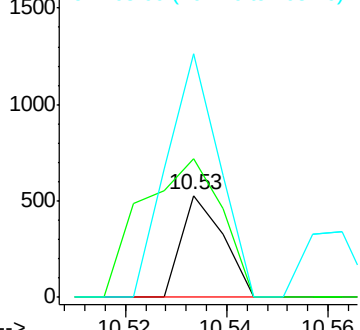
#64
4,6-Dinitro-2-methylphenol
Concen: 8.500 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.15 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 301
Ion Ratio Lower Upper
198 100
51 135.8 53.2 93.2#
105 239.2 45.8 85.8#

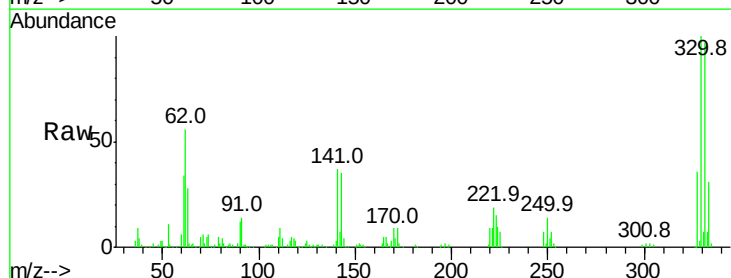


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

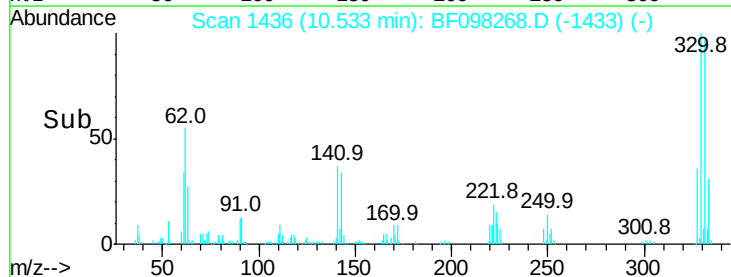
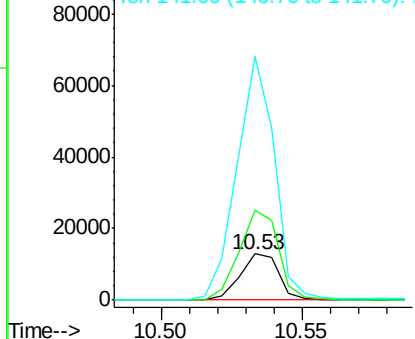


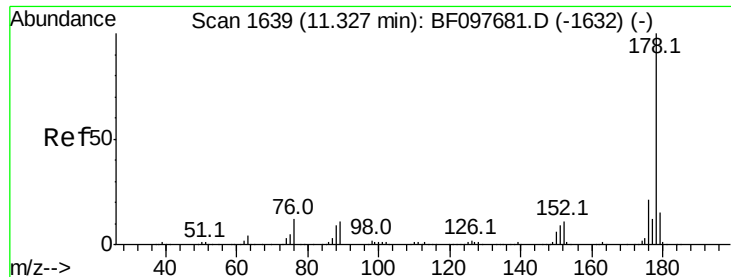
#66
4-Bromophenyl-phenylether
Concen: 4.002 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.28 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion:248 Resp: 12227
Ion Ratio Lower Upper
248 100
250 194.6 76.8 115.2#
141 527.0 68.6 103.0#



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





#70

Phenanthrene

Concen: 5.109 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.04 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

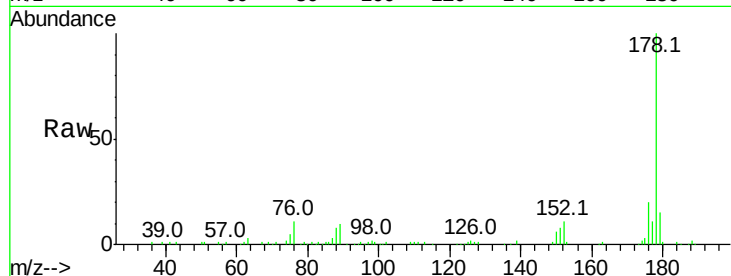
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 80096

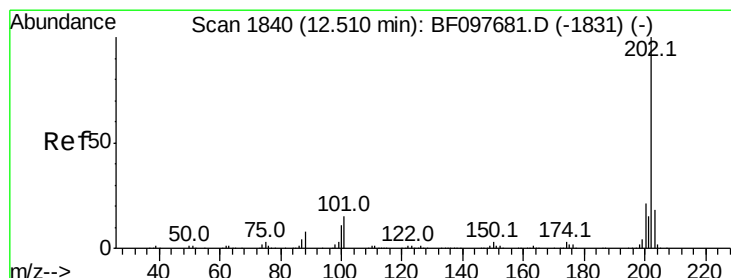
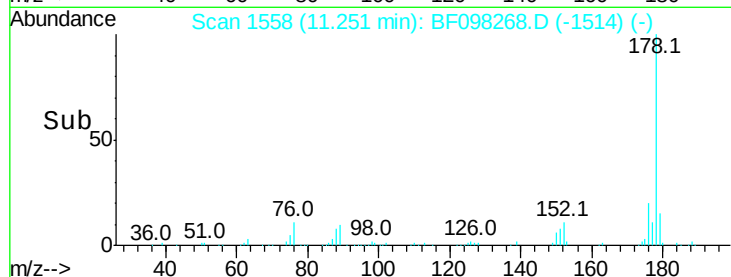
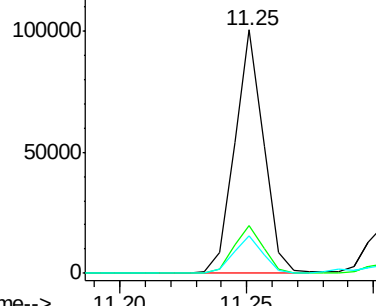
Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.2	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 12.384 ng

RT: 12.44 min Scan# 1760

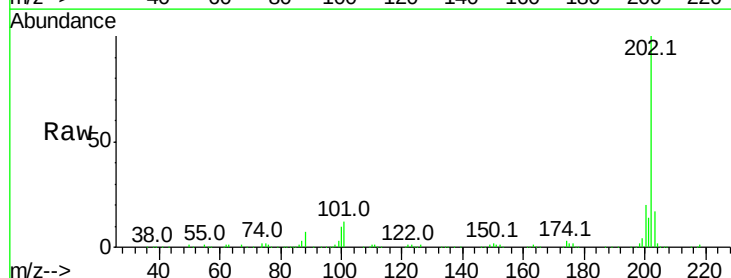
Delta R.T. -0.04 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

Tgt Ion:202 Resp: 202645

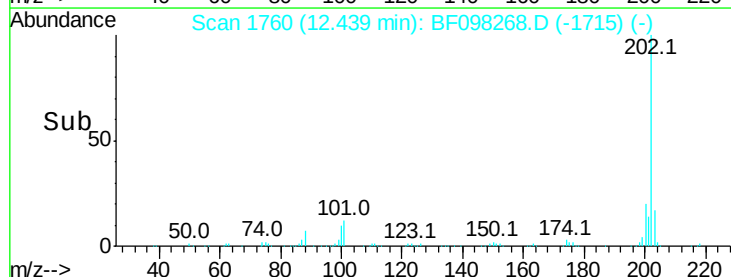
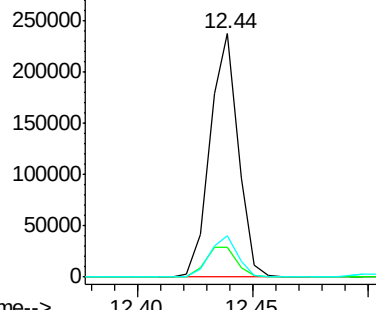
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.0	0.0	38.1

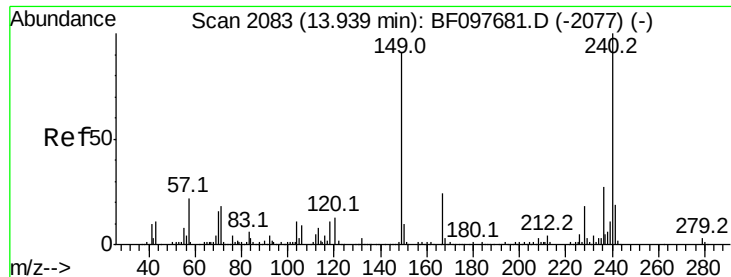


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

Instrument :

BNA_F

ClientSampleId :

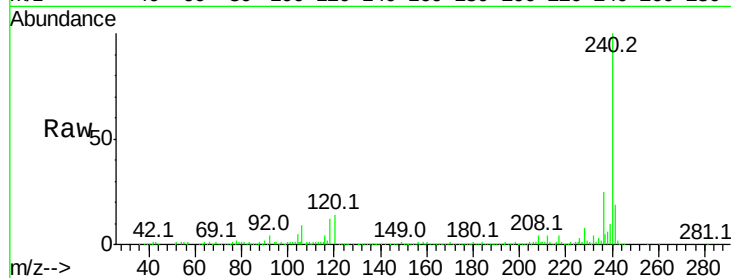
Tot Ion:240 Resp: 284302

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

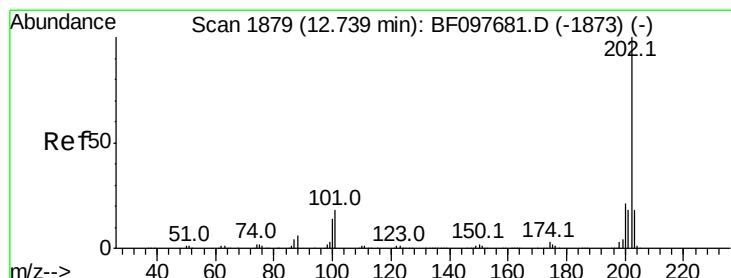
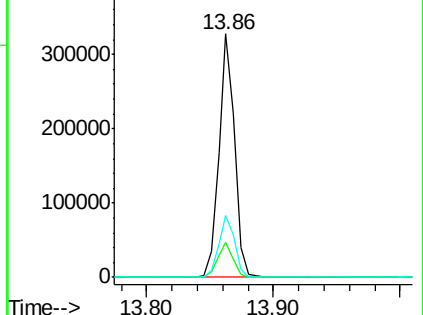
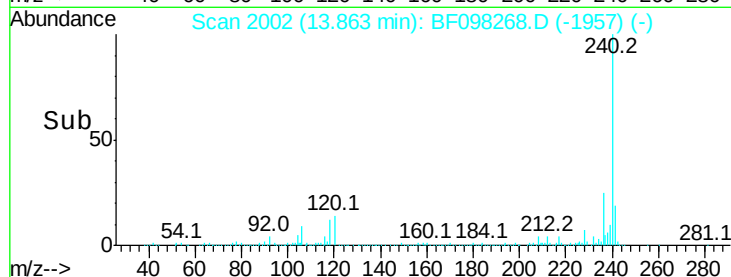
236 25.2 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.895 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.04 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

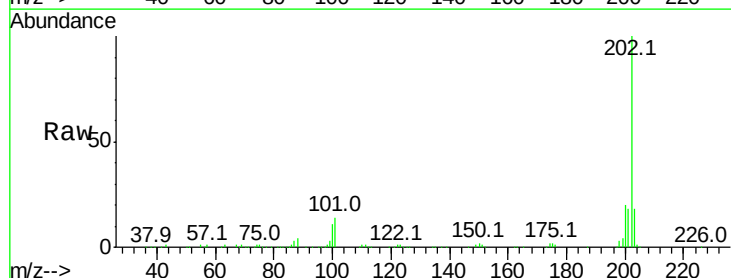
Tgt Ion:202 Resp: 183585

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

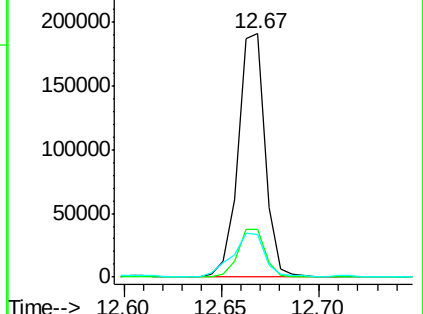
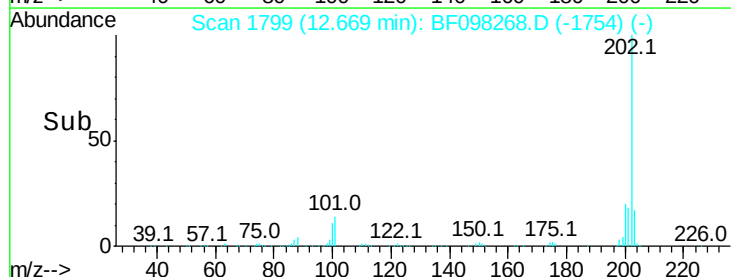
203 17.6 14.4 21.6

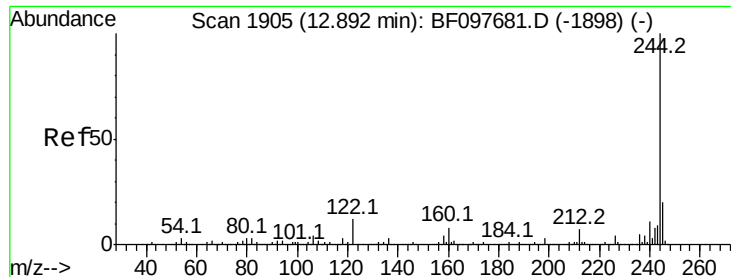


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

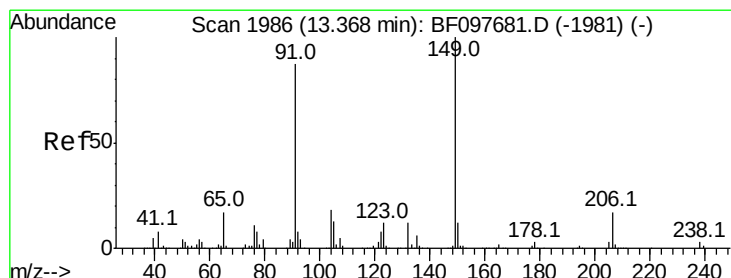
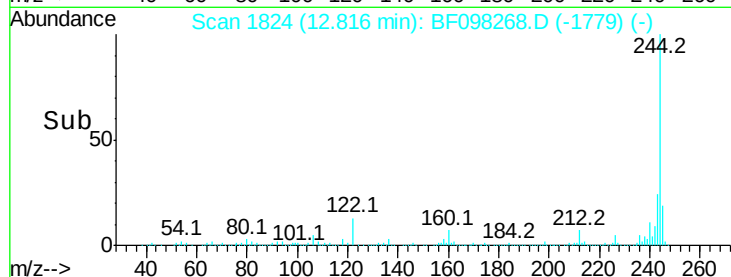
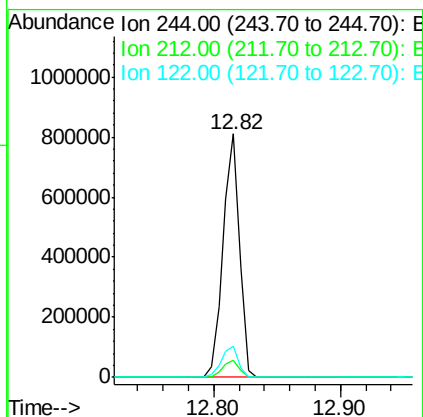
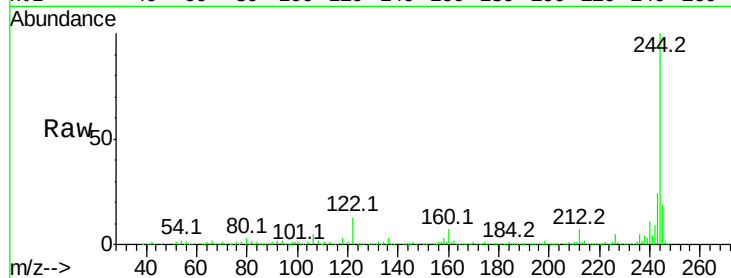




#78
 Terphenyl-d14
 Concen: 53.626 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.04 min
 Lab File: BF098268.D
 Acq: 3 Sep 2017 1:40

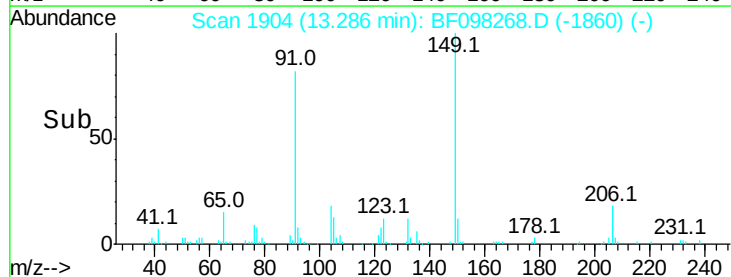
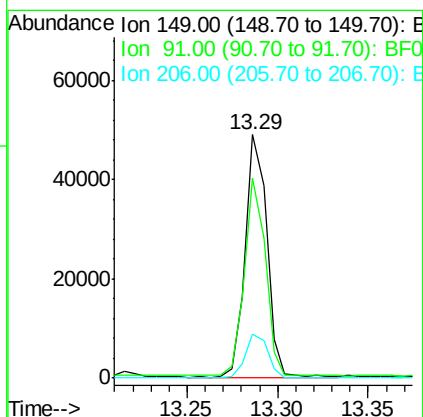
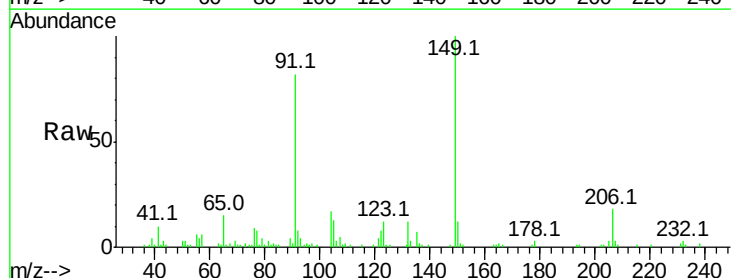
Instrument :
 BNA_F
 ClientSampleId :

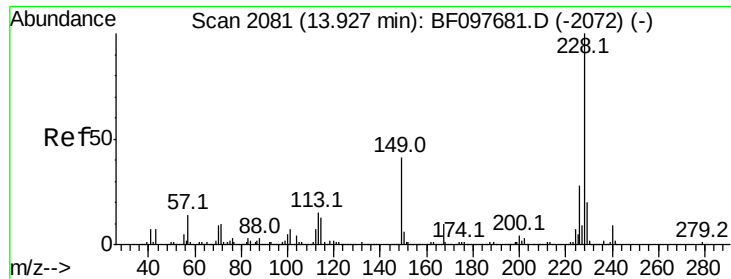
Tot Ion:244 Resp: 731105
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 12.8 10.3 15.5



#79
 Butylbenzylphthalate
 Concen: 4.664 ng
 RT: 13.29 min Scan# 1904
 Delta R.T. -0.04 min
 Lab File: BF098268.D
 Acq: 3 Sep 2017 1:40

Tgt Ion:149 Resp: 41576
 Ion Ratio Lower Upper
 149 100
 91 82.2 45.0 67.4#
 206 18.2 17.0 25.6

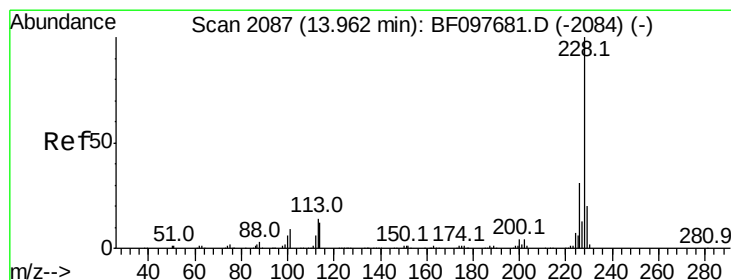
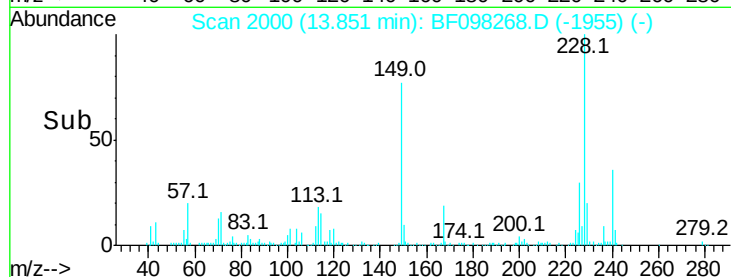
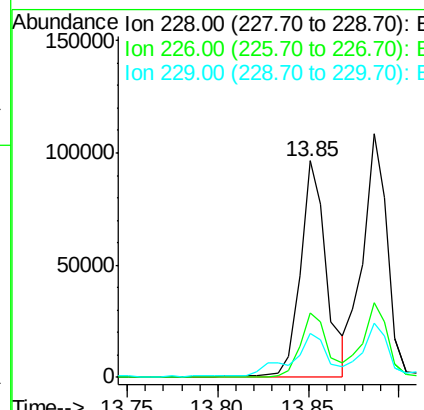
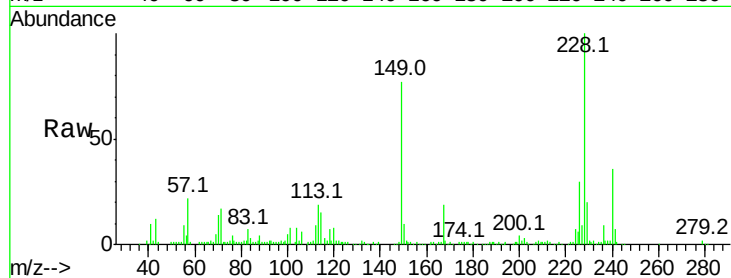




#80
Benzo(a)anthracene
Concen: 5.749 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

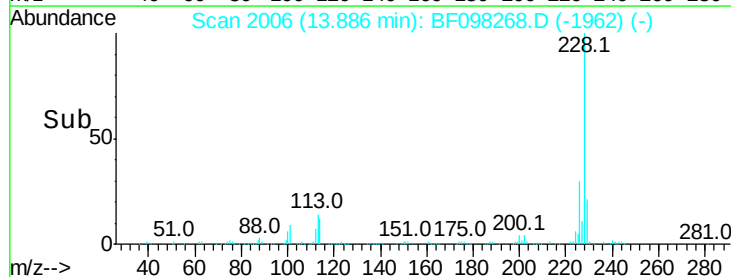
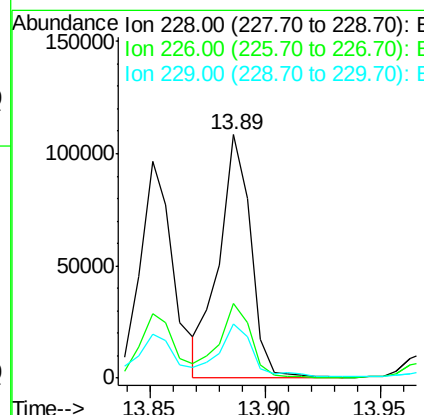
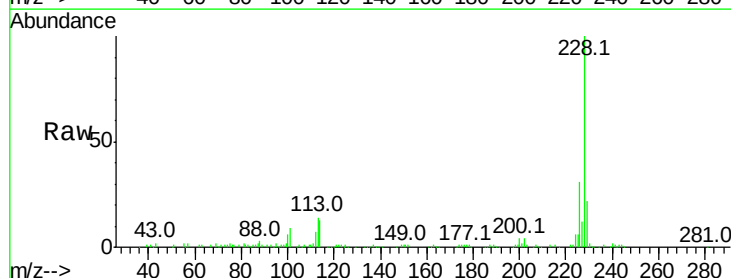
Instrument :
BNA_F
ClientSampled :

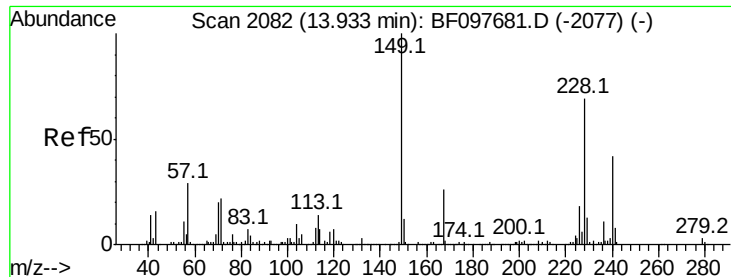
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.1	16.3	24.5



#82
Chrysene
Concen: 6.087 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.1	15.8	23.6

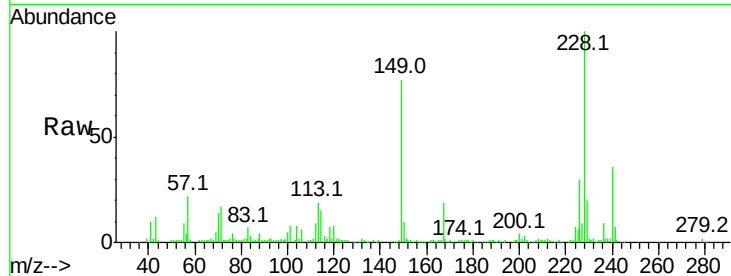




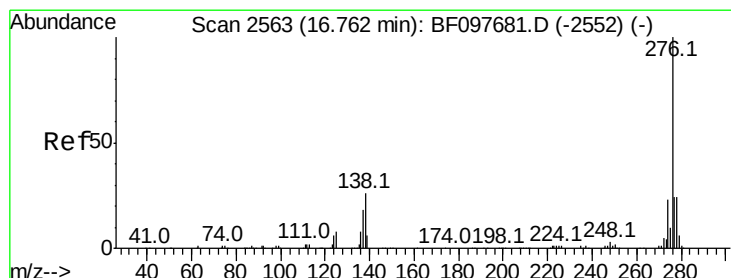
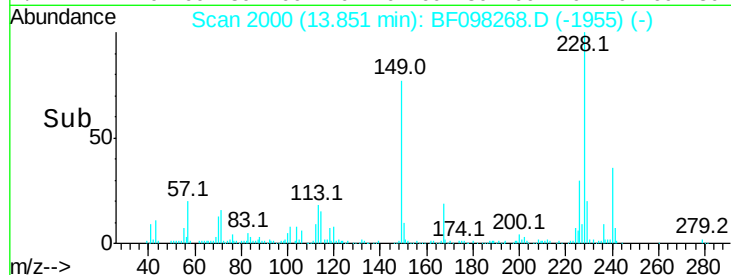
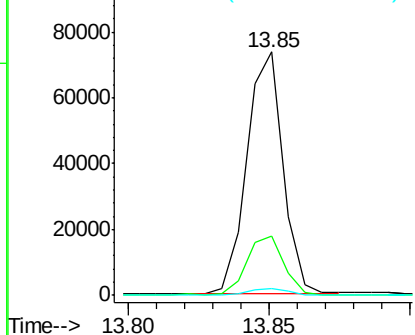
#83
Bis(2-ethylhexyl)phthalate
Concen: 6.606 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.6	21.0	31.4
279	2.7	1.9	2.9

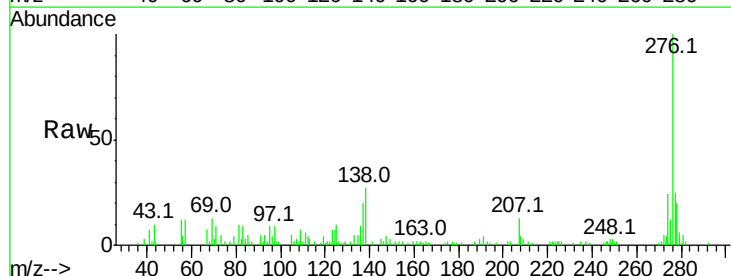


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

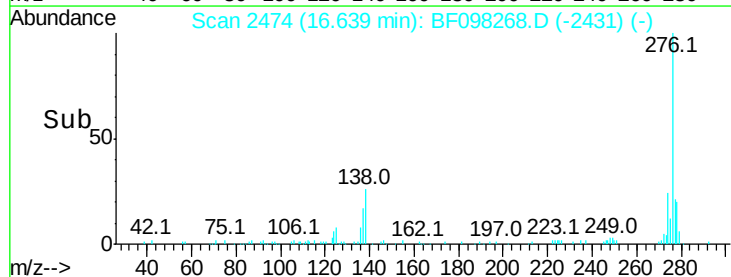
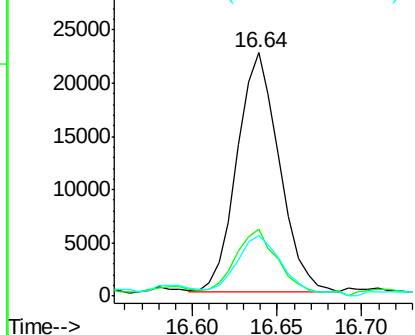


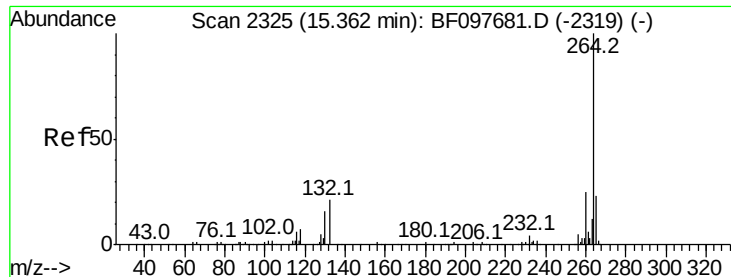
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.109 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.05 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.4	27.8	41.6
277	27.9	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

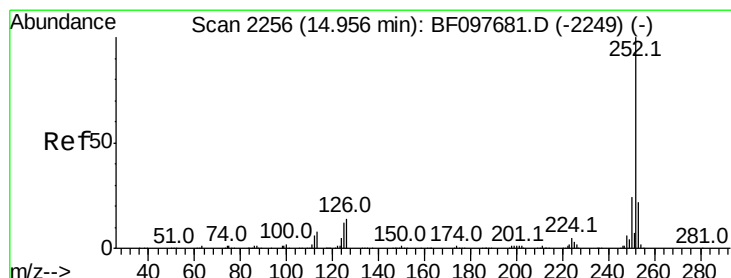
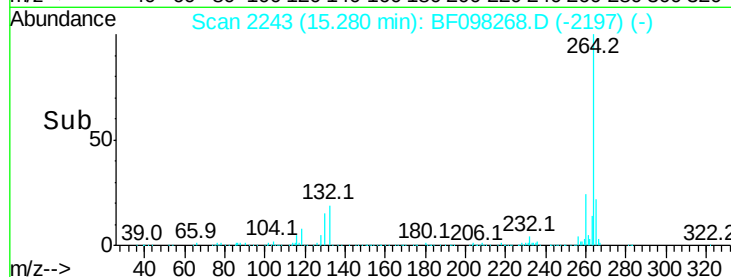
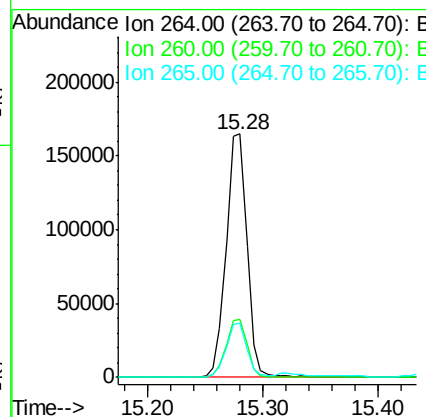
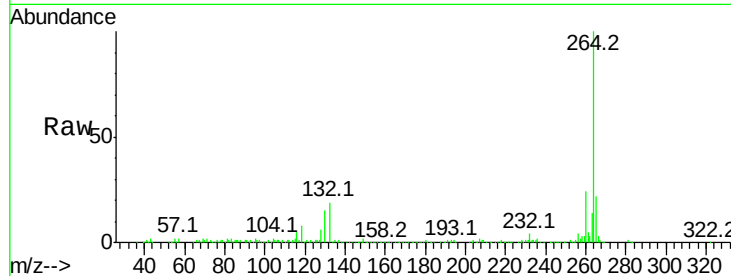




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.03 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

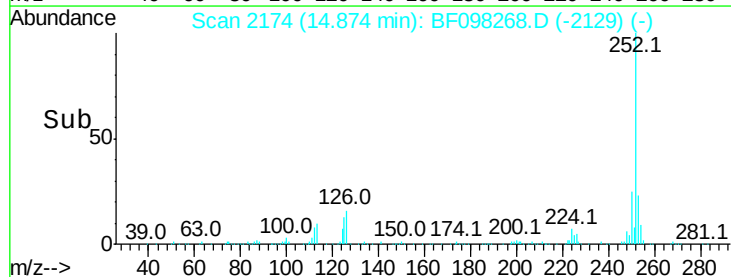
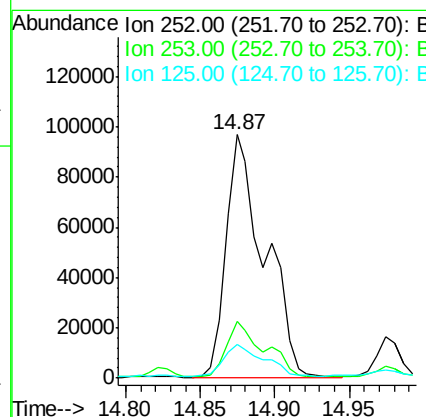
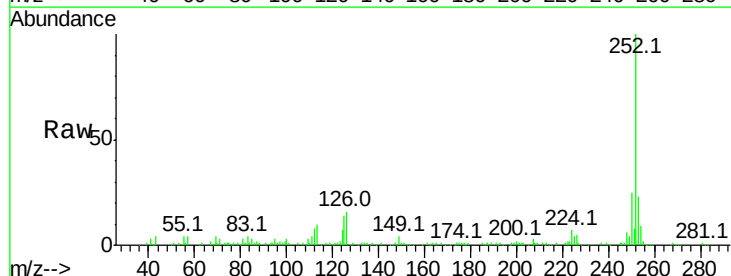
Instrument :
BNA_F
ClientSampleId :

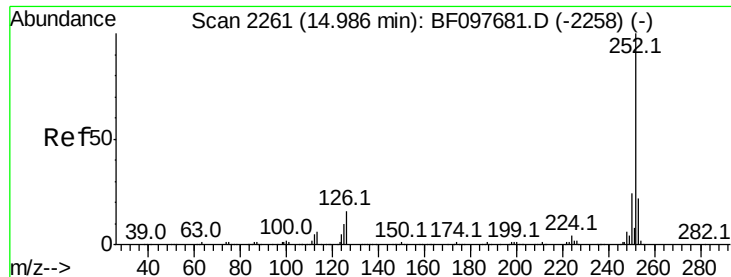
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 13.427 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	14.1	9.8	14.8

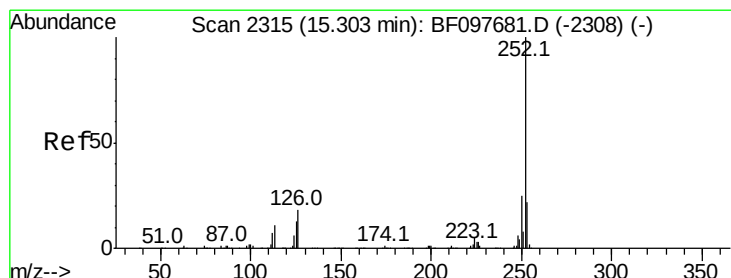
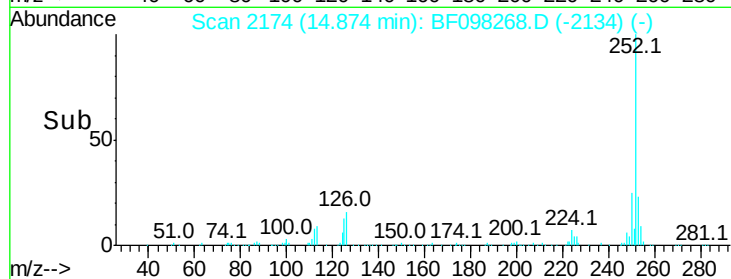
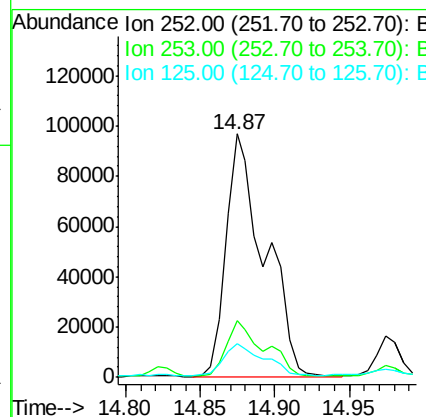
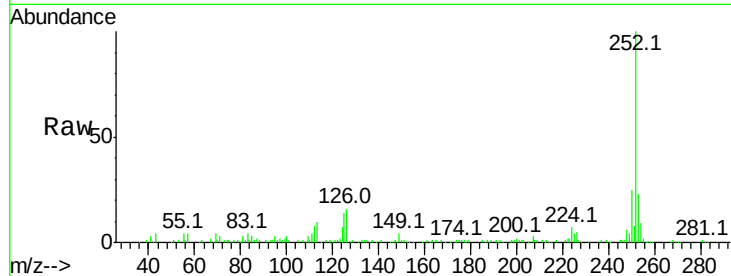




#88
Benzo(k)fluoranthene
Concen: 14.291 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.06 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

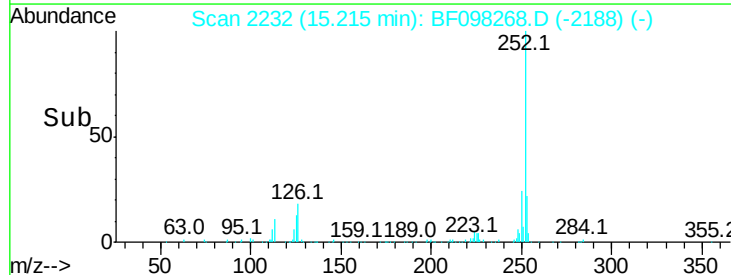
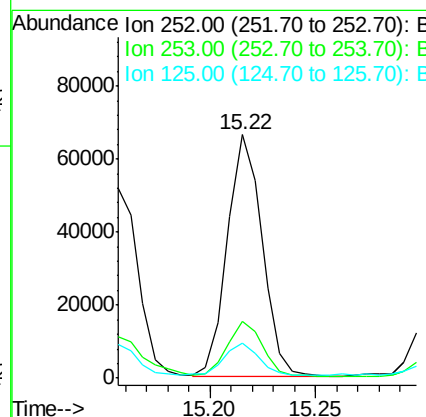
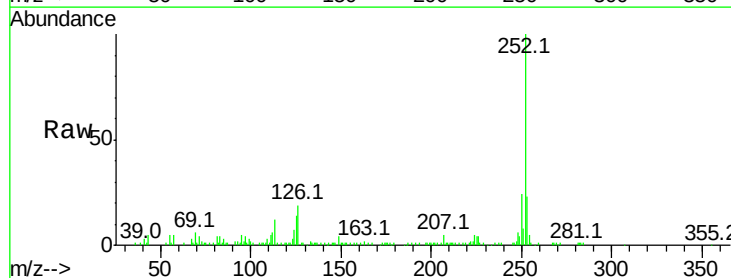
Instrument :
BNA_F
ClientSampleId :

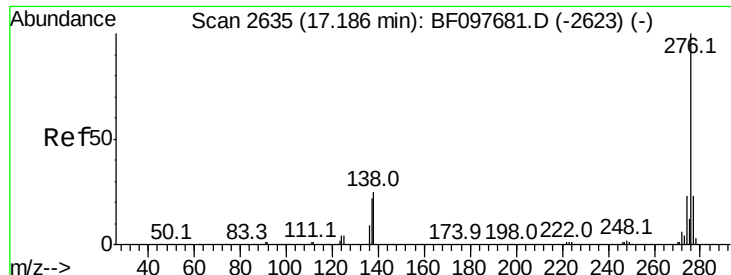
Tot Ion:252 Resp: 175339
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 14.1 13.1 19.7



#89
Benzo(a)pyrene
Concen: 6.570 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF098268.D
Acq: 3 Sep 2017 1:40

Tgt Ion:252 Resp: 75958
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 14.2 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.817 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.06 min

Lab File: BF098268.D

Acq: 3 Sep 2017 1:40

Instrument :

BNA_F

ClientSampleId :

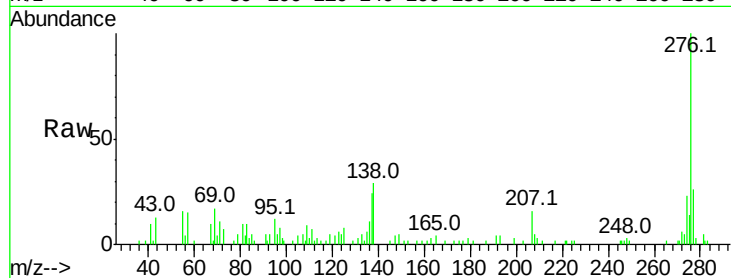
Tot Ion: 276 Resp: 37483

Ion Ratio Lower Upper

276 100

277 25.6 18.6 28.0

138 28.7 25.4 38.0



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

