

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098350.D
 Acq On : 8 Sep 2017 15:06
 Operator : SJ/JU
 Sample : I5110-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Sep 08 15:50:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 08 15:02:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	101105	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	400721	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	185336	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	330454	20.00	ng	0.00
75) Chrysene-d12	13.83	240	195488	20.00	ng	0.00
86) Perylene-d12	15.24	264	190788	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	846679	127.38	ng	0.02
7) Phenol-d6	6.33	99	1146623	126.96	ng	0.00
23) Nitrobenzene-d5	7.25	82	709139	96.14	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	226030	140.56	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1026285	81.36	ng	0.00
78) Terphenyl-d14	12.79	244	736615	78.58	ng	0.00

Target Compounds

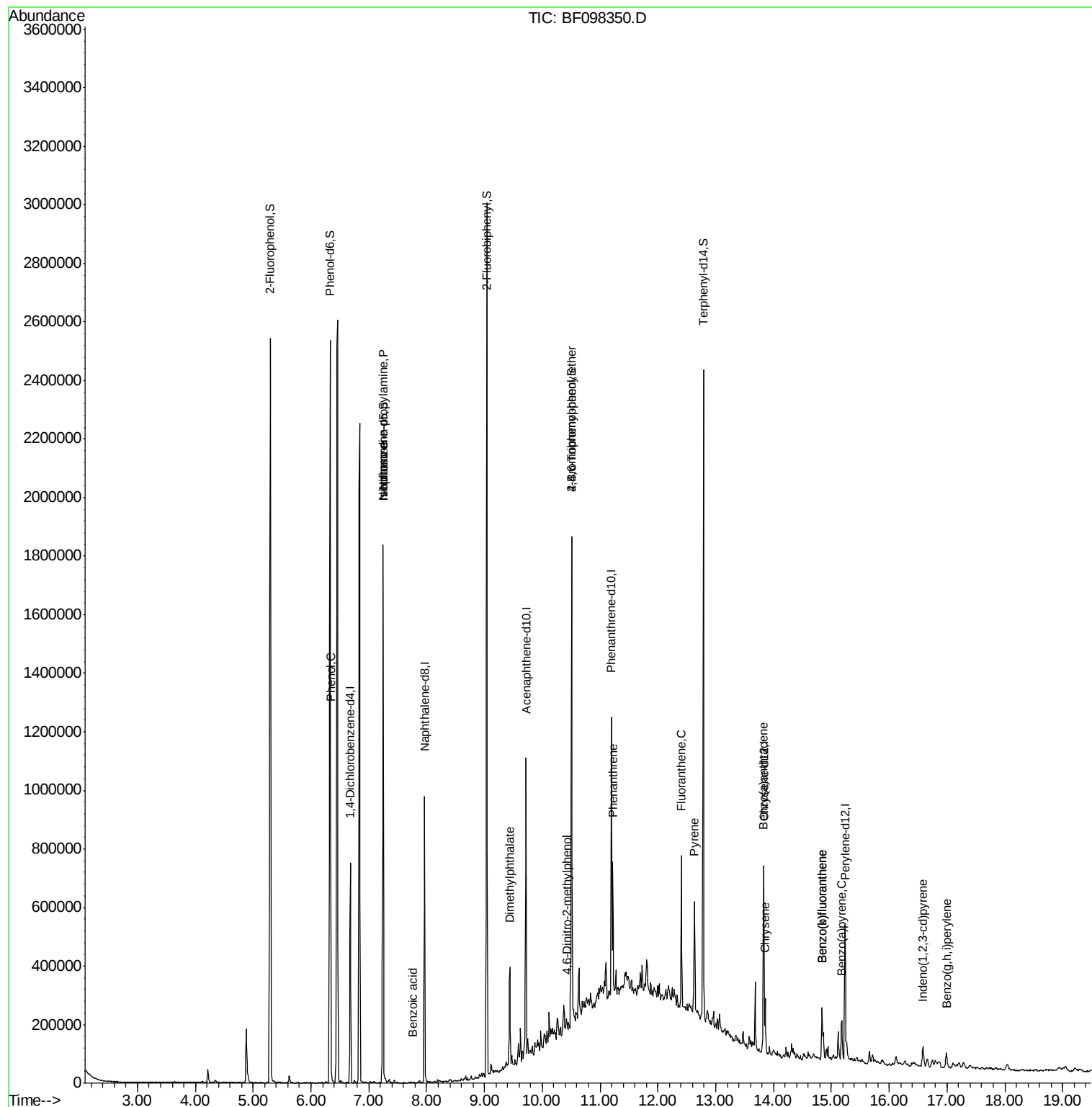
						Qvalue
10) Phenol	6.35	94	45172	4.277	ng	86
19) n-Nitroso-di-n-propylamine	7.25	70	92162	14.907	ng	# 69
25) Isophorone	7.25	82	709134	46.233	ng	# 67
32) Benzoic acid	7.76	122	447	6.488	ng	# 28
49) Dimethylphthalate	9.44	163	115760	8.545	ng	98
64) 4,6-Dinitro-2-methylphenol	10.43	198	111	8.380	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	14541	4.237	ng	# 1
70) Phenanthrene	11.22	178	143919	8.173	ng	99
74) Fluoranthene	12.41	202	199775	10.869	ng	99
77) Pyrene	12.63	202	167149	10.454	ng	97
80) Benzo(a)anthracene	13.82	228	69388	5.922	ng	98
82) Chrysene	13.86	228	62844	5.392	ng	98
85) Indeno(1,2,3-cd)pyrene	16.59	276	38809	4.526	ng	93
87) Benzo(b)fluoranthene	14.84	252	110315	9.173	ng	98
88) Benzo(k)fluoranthene	14.84	252	110315	9.764	ng	96
89) Benzo(a)pyrene	15.18	252	58535	5.498	ng	98
91) Benzo(a,h,i)perylene	16.99	276	39161	4.330	ng	97

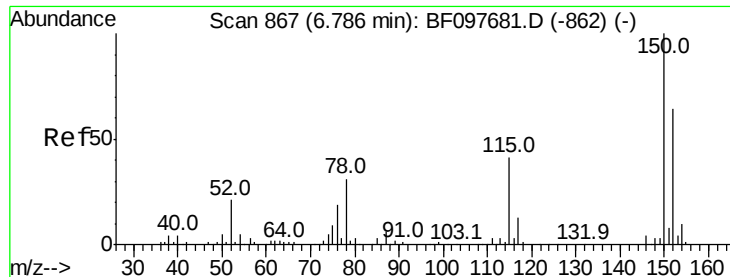
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090817\
Data File : BF098350.D
Acq On : 8 Sep 2017 15:06
Operator : SJ/JU
Sample : I5110-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Time: Sep 08 15:50:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 08 15:02:28 2017
Response via : Initial Calibration



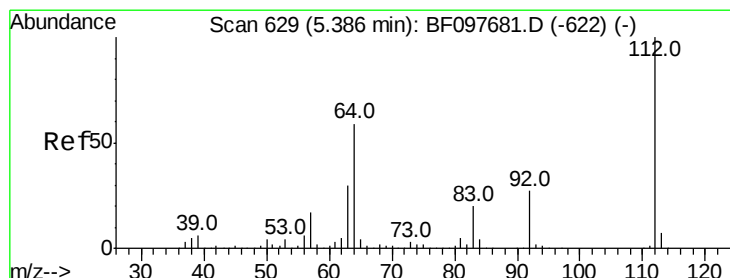
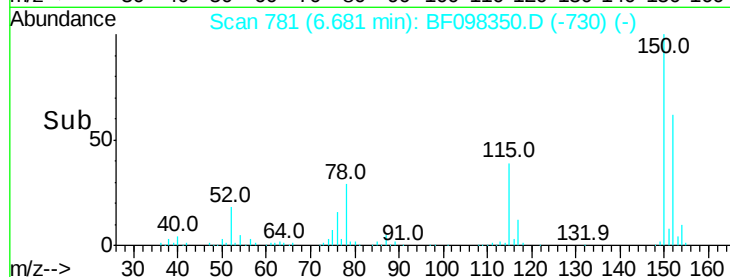
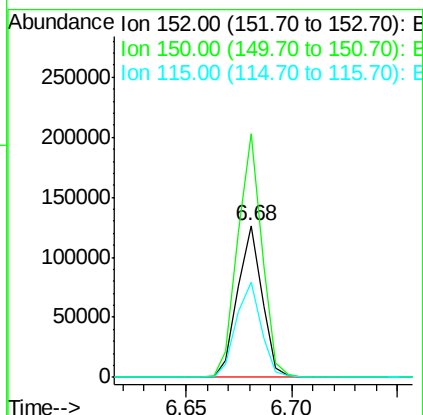
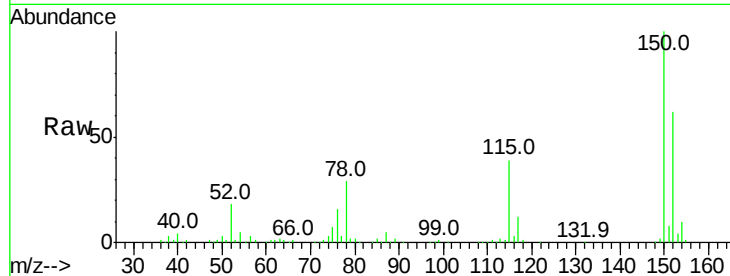


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampleId :
SP-2

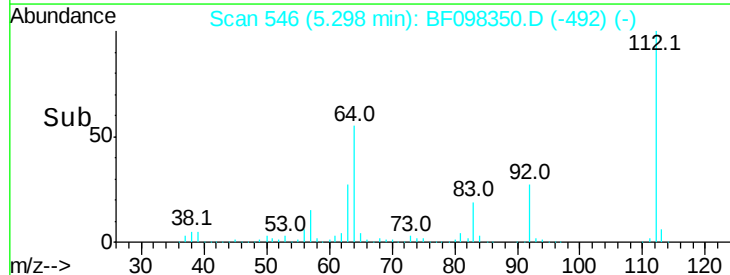
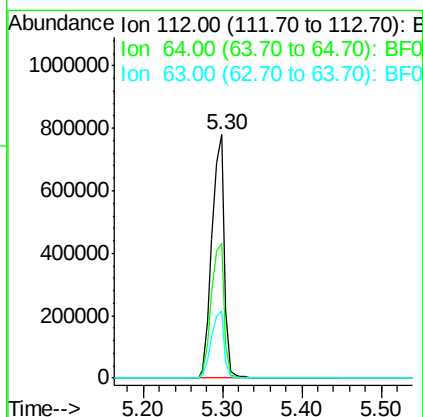
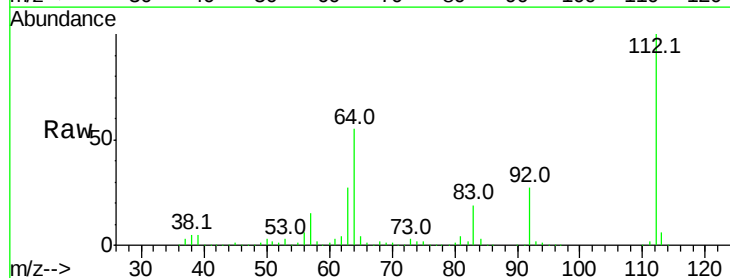
Tot Ion:152 Resp: 101105
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 63.0 52.2 78.2

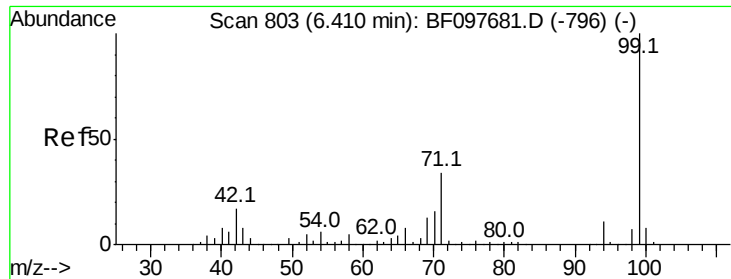


#5

2-Fluorophenol
Concen: 127.379 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion:112 Resp: 846679
Ion Ratio Lower Upper
112 100
64 55.5 46.0 69.0
63 27.4 23.4 35.0





#7

Phenol-d6

Concen: 126.961 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampled :

SP-2

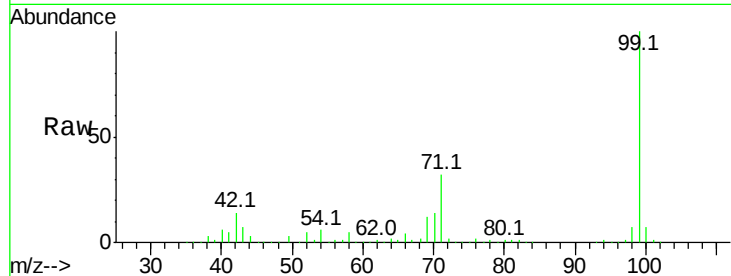
Tot Ion: 99 Resp: 1146623

Ion Ratio Lower Upper

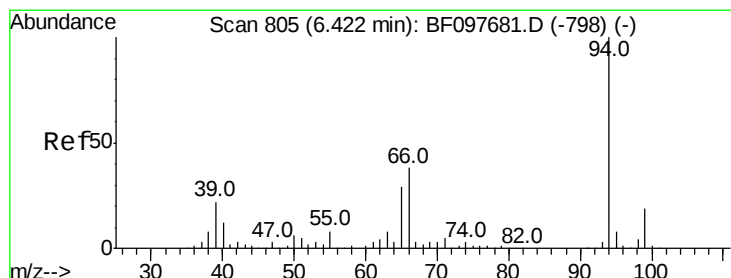
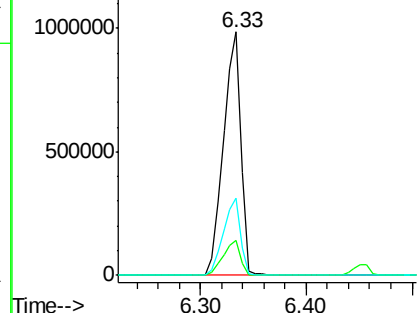
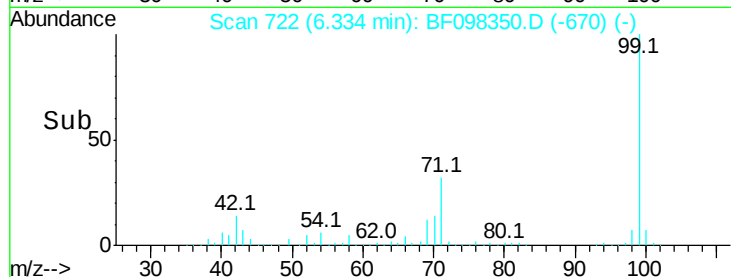
99 100

42 14.4 13.5 20.3

71 31.8 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: 4.277 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

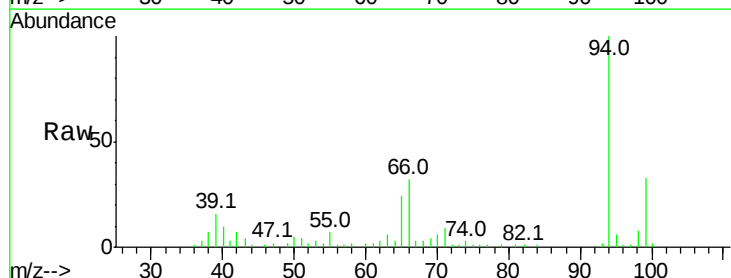
Tgt Ion: 94 Resp: 45172

Ion Ratio Lower Upper

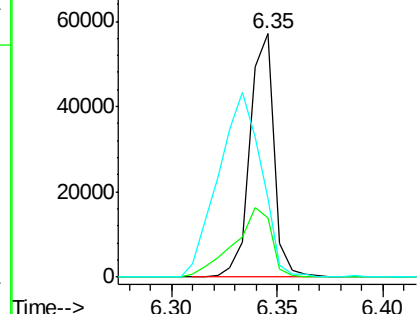
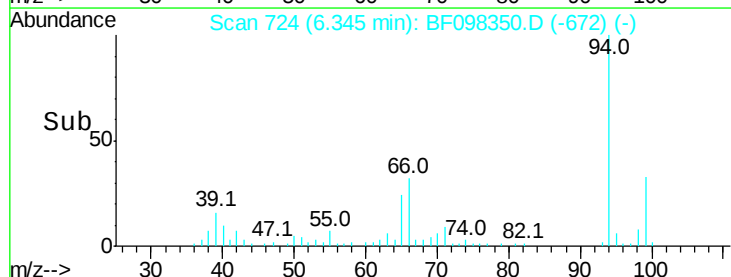
94 100

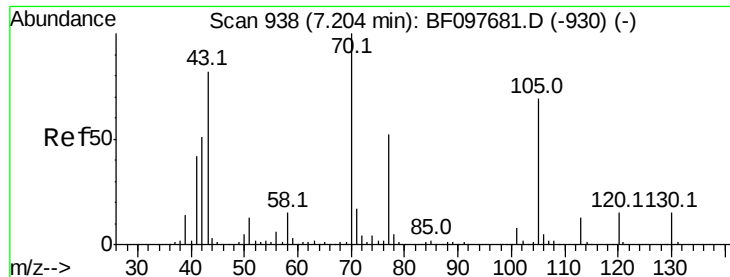
65 24.4 9.9 49.9

66 32.3 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

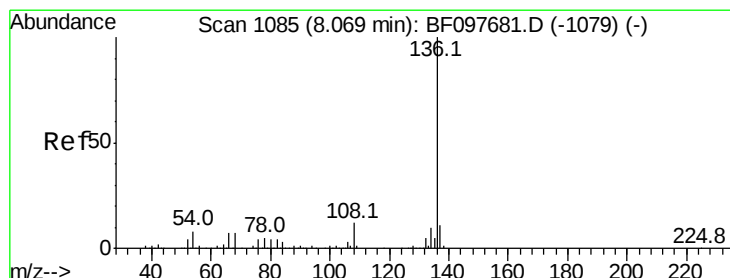
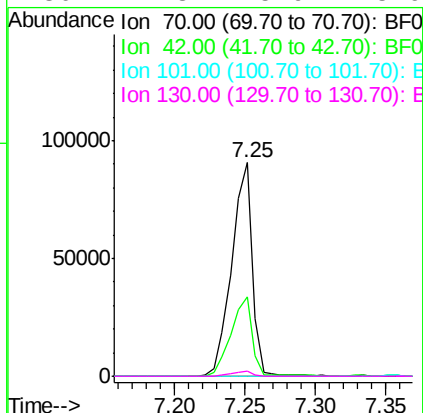
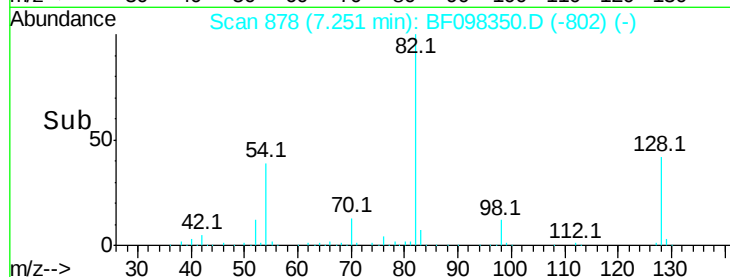
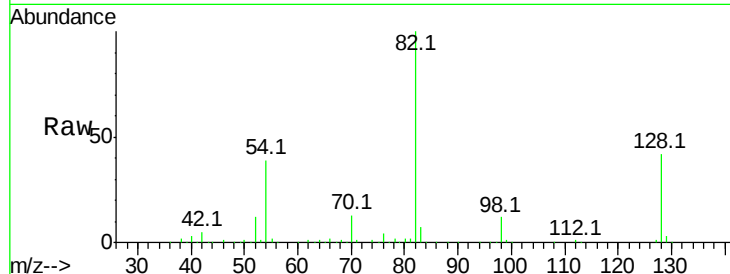




#19
n-Nitroso-di-n-propylamine
Concen: 14.907 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.15 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

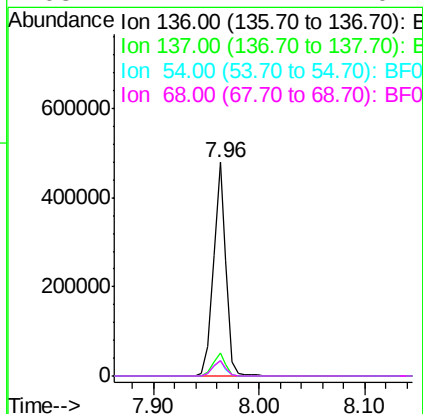
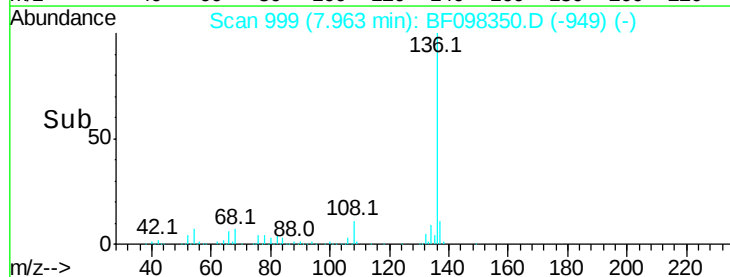
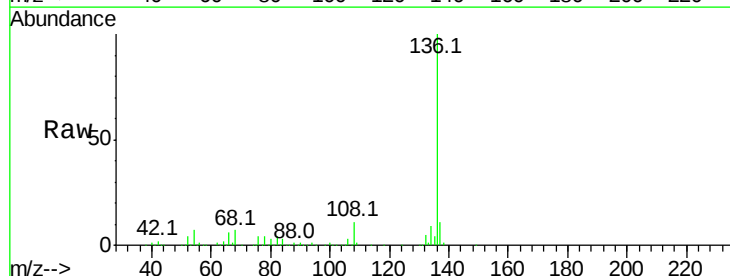
Instrument :
BNA_F
ClientSampled :
SP-2

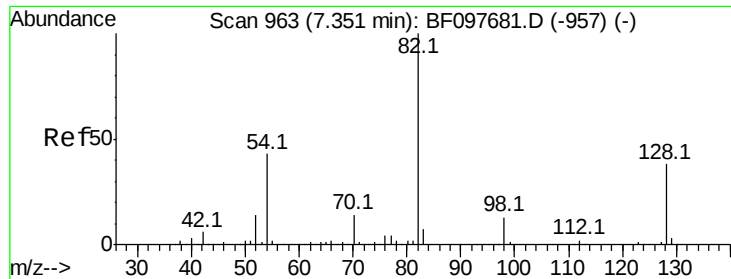
Tot Ion: 70 Resp: 92162
Ion Ratio Lower Upper
70 100
42 37.4 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion: 136 Resp: 400721
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 7.3 4.9 7.3#
68 7.4 4.1 6.1#

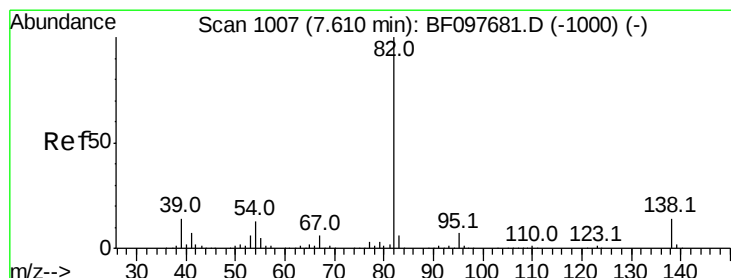
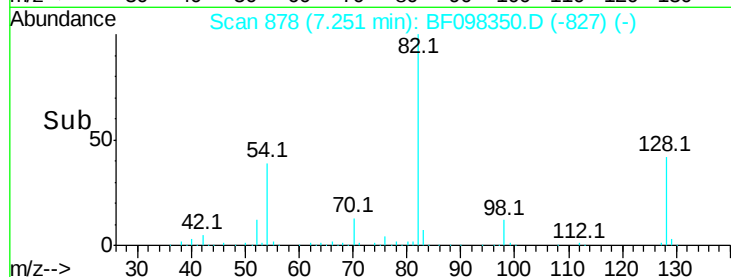
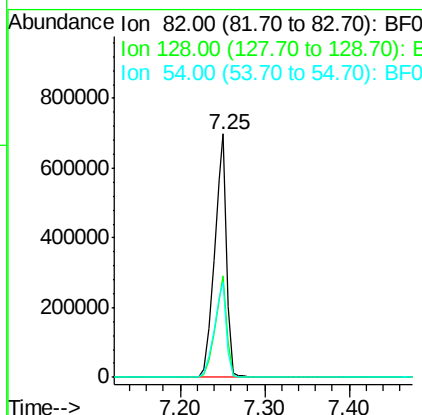
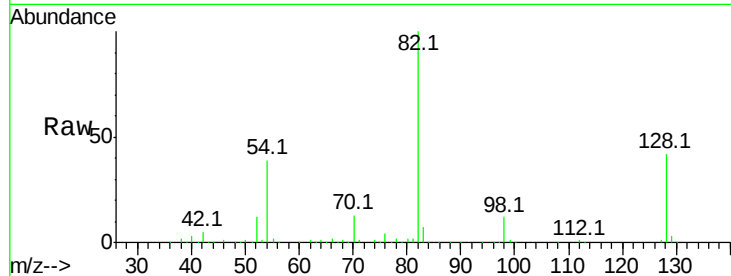




#23
Nitrobenzene-d5
Concen: 96.136 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

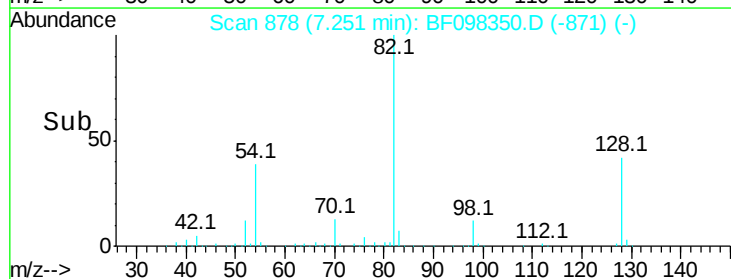
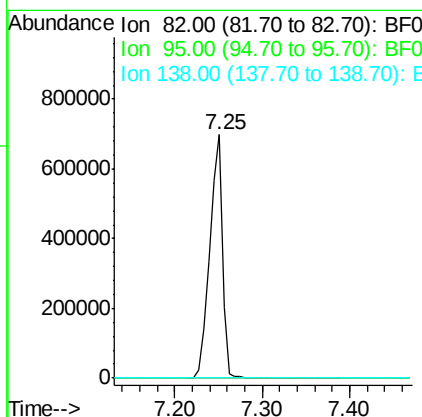
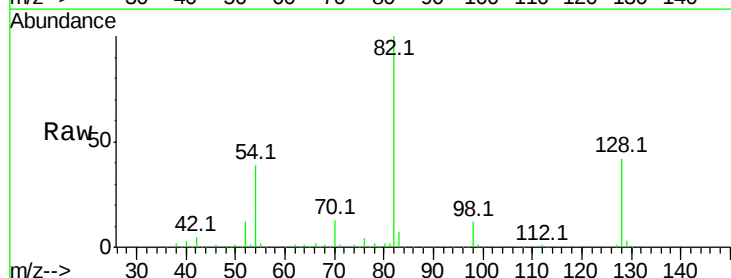
Instrument :
BNA_F
ClientSampleId :
SP-2

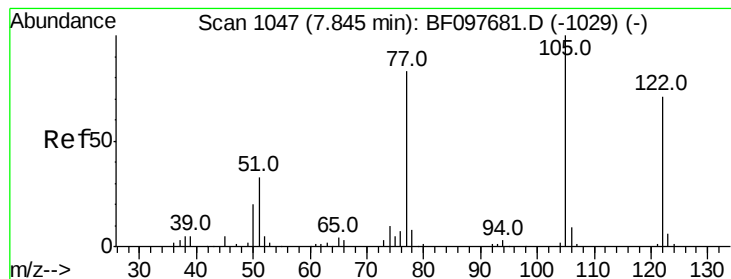
Tot Ion: 82 Resp: 709139
Ion Ratio Lower Upper
82 100
128 41.6 34.0 51.0
54 39.2 42.2 63.2#



#25
Isophorone
Concen: 46.233 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.26 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion: 82 Resp: 709134
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 6.488 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

SP-2

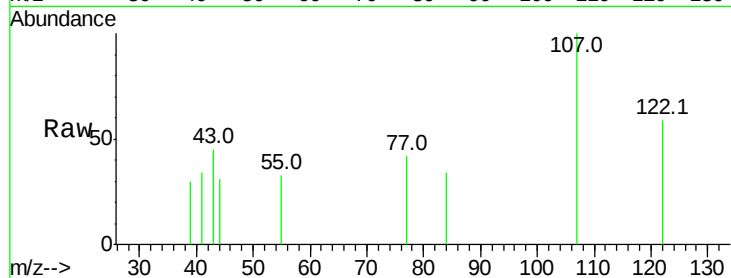
Tot Ion:122 Resp: 447

Ion Ratio Lower Upper

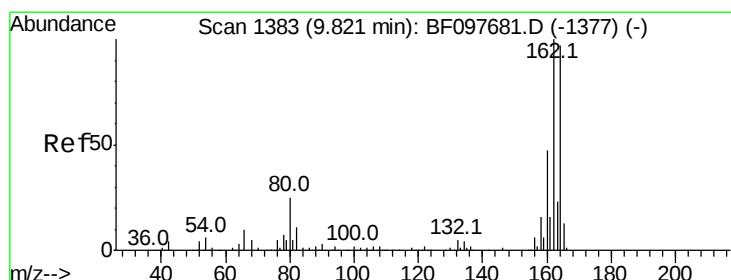
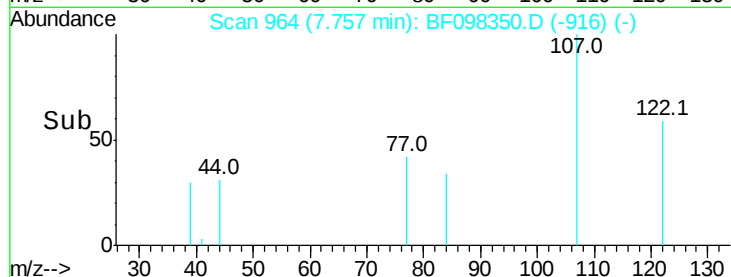
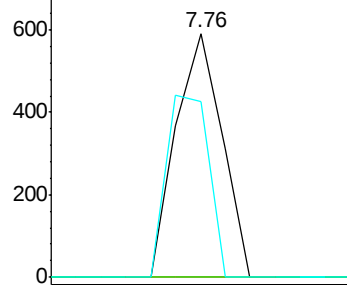
122 100

105 0.0 103.3 143.3#

77 72.1 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

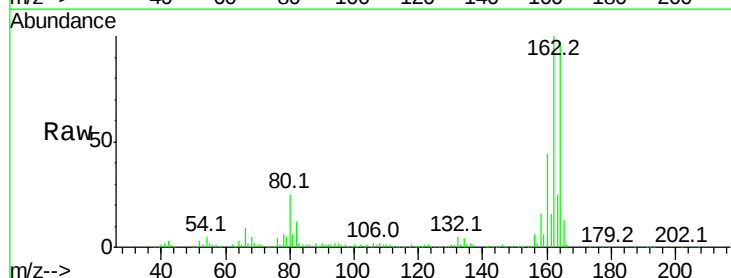
Tgt Ion:164 Resp: 185336

Ion Ratio Lower Upper

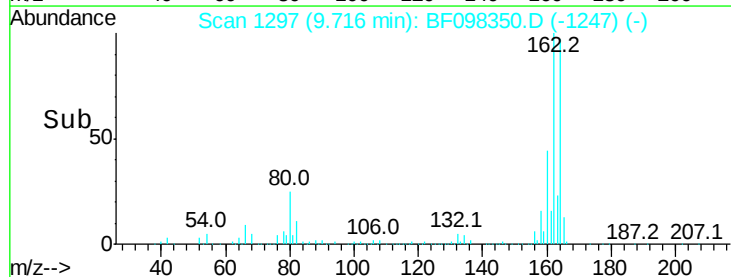
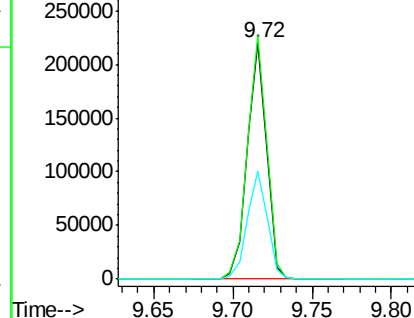
164 100

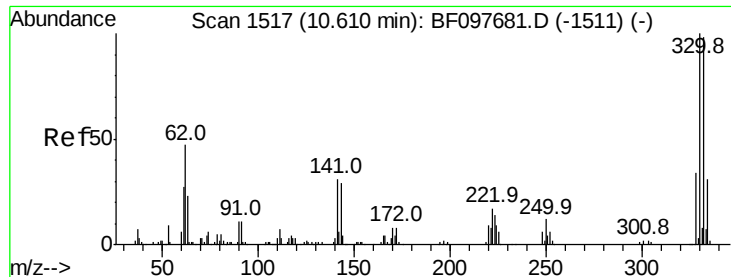
162 103.0 82.6 123.8

160 45.6 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

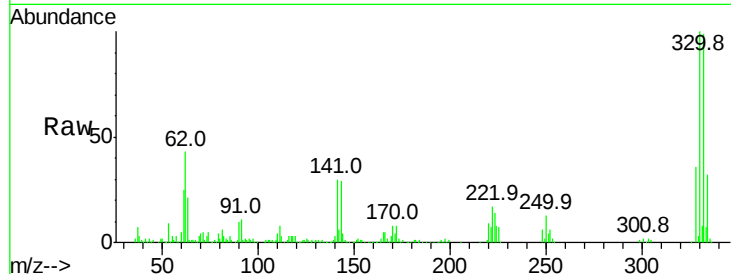




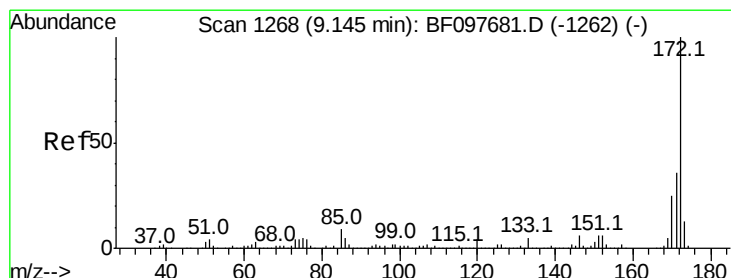
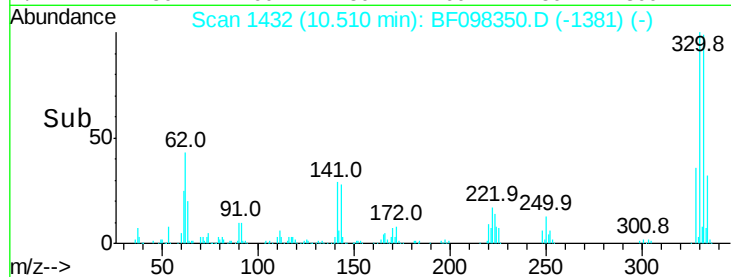
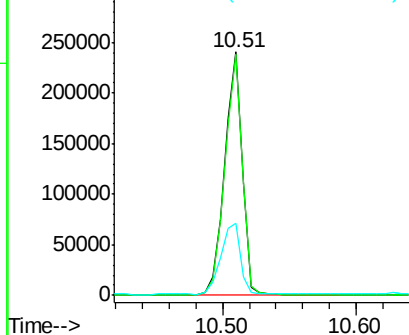
#41
 2,4,6-Tribromophenol
 Concen: 140.558 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BF098350.D
 Acq: 8 Sep 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion:330 Resp: 226030
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 115.0
 141 32.2 31.4 47.2

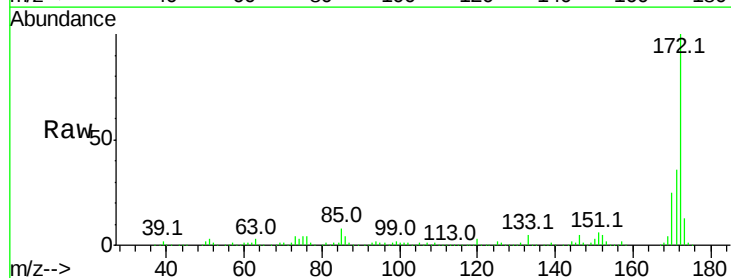


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

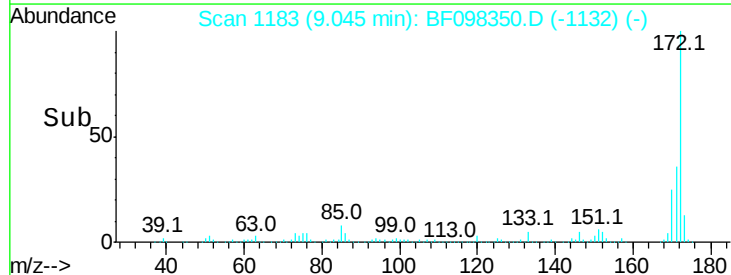
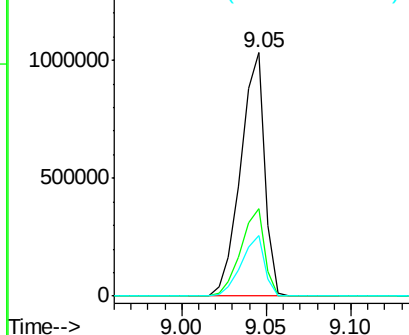


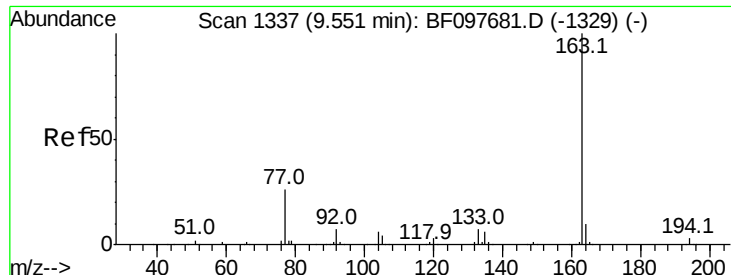
#44
 2-Fluorobiphenyl
 Concen: 81.356 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF098350.D
 Acq: 8 Sep 2017 15:06

Tgt Ion:172 Resp: 1026285
 Ion Ratio Lower Upper
 172 100
 171 36.1 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

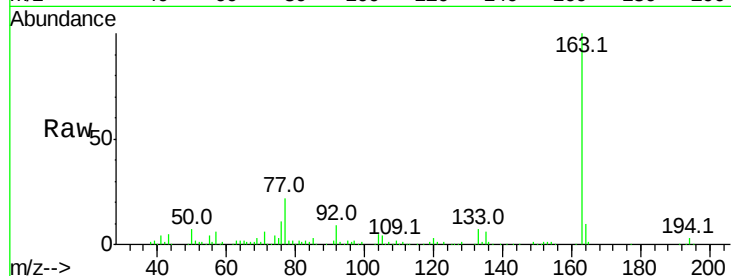




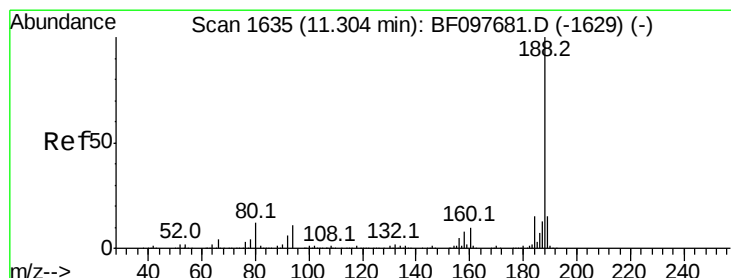
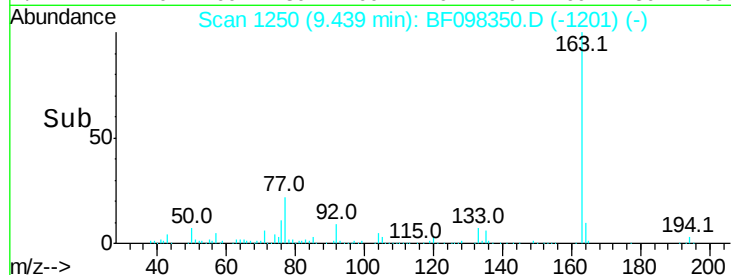
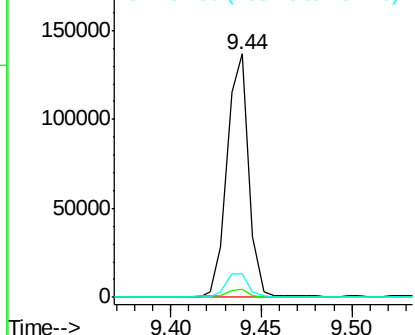
#49
Dimethylphthalate
Concen: 8.545 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion:163 Resp: 115760
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.8 8.4 12.6

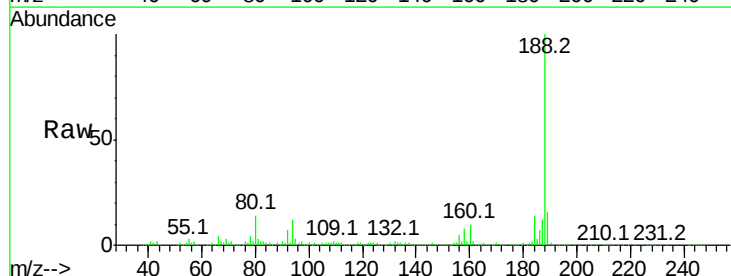


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

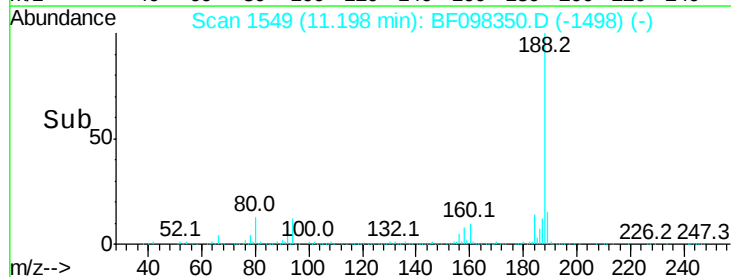
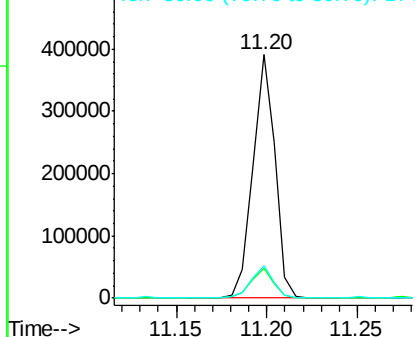


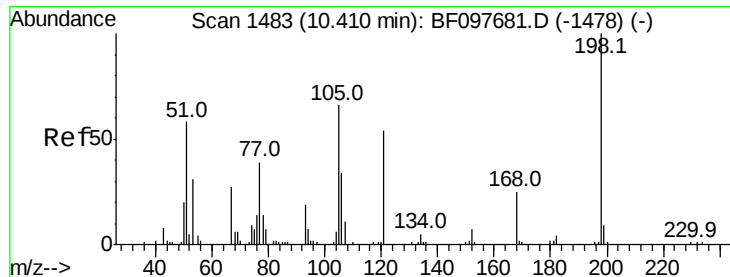
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion:188 Resp: 330454
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 13.5 10.2 15.2



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

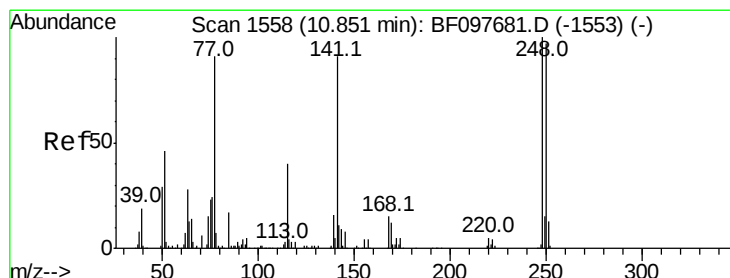
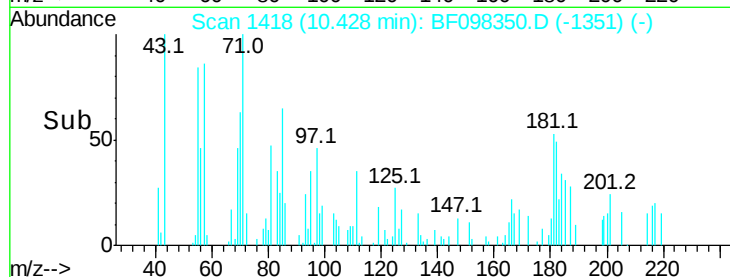
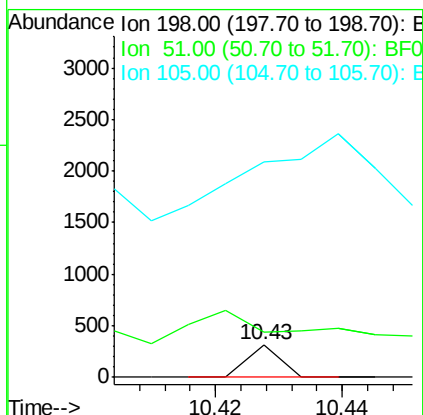
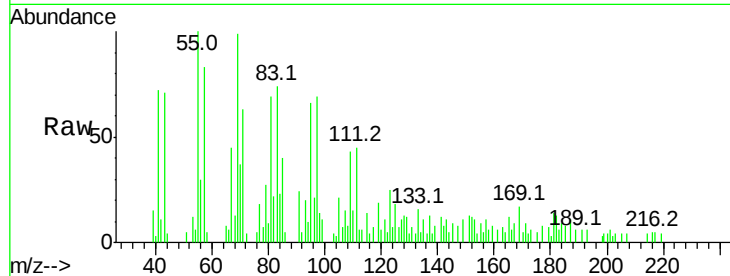




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.380 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.09 min
 Lab File: BF098350.D
 Acq: 8 Sep 2017 15:06

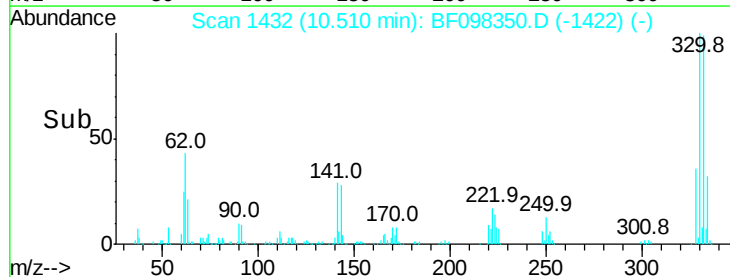
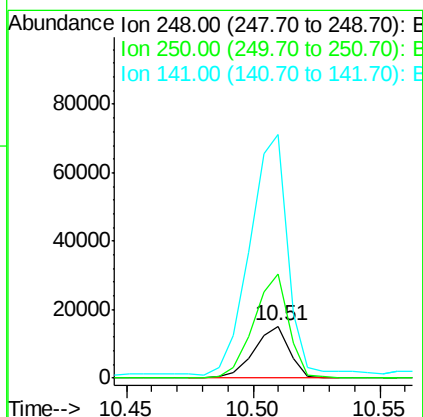
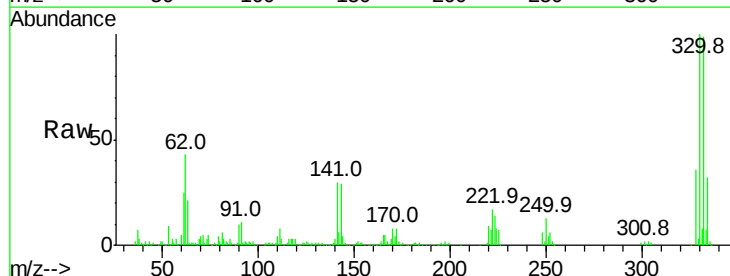
Instrument :
 BNA_F
 ClientSampled :
 SP-2

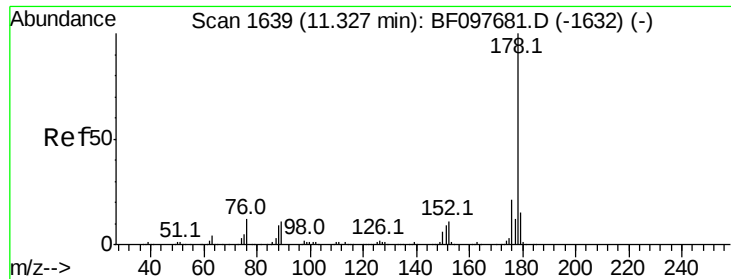
Tot Ion:198 Resp: 111
 Ion Ratio Lower Upper
 198 100
 51 141.1 53.2 93.2#
 105 663.4 45.8 85.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.237 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.24 min
 Lab File: BF098350.D
 Acq: 8 Sep 2017 15:06

Tgt Ion:248 Resp: 14541
 Ion Ratio Lower Upper
 248 100
 250 201.2 76.8 115.2#
 141 470.3 68.6 103.0#





#70

Phenanthrene

Concen: 8.173 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

SP-2

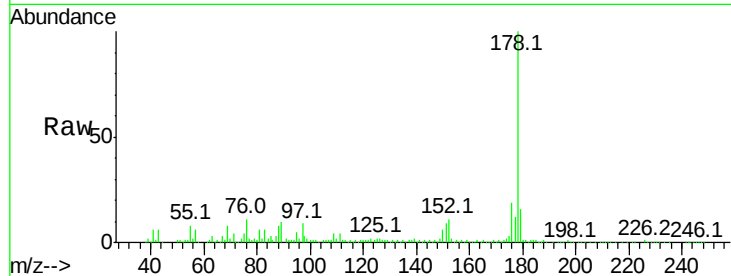
Tot Ion:178 Resp: 143919

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

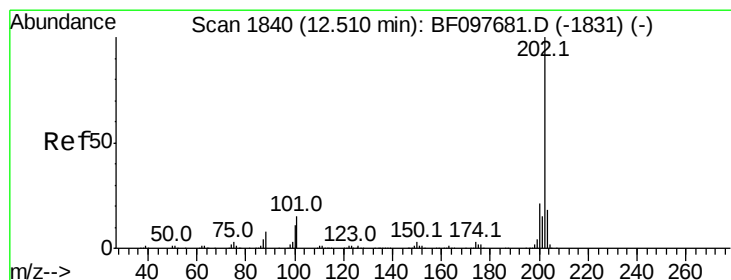
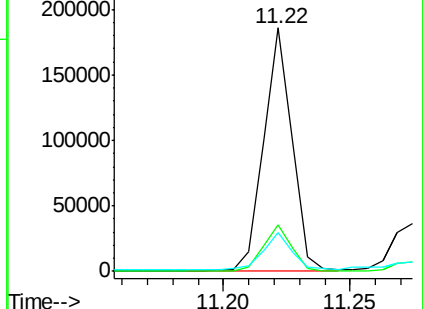
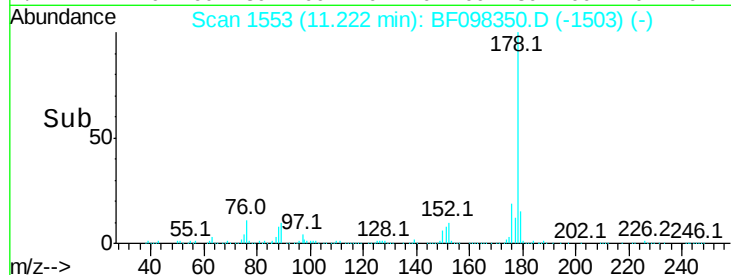
179 15.7 12.6 19.0



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: 10.869 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

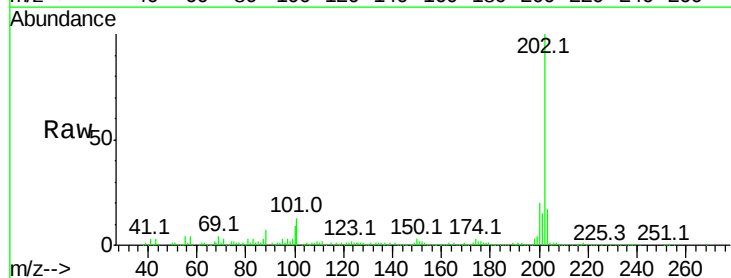
Tgt Ion:202 Resp: 199775

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

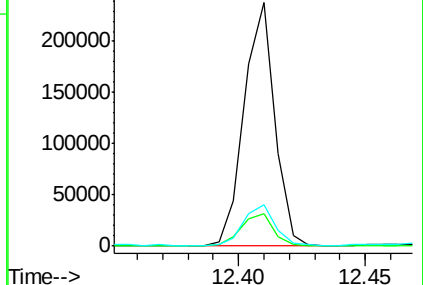
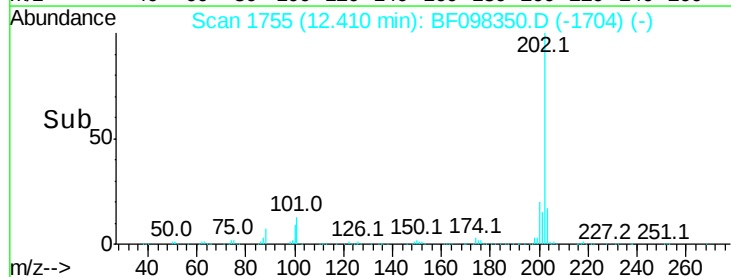
203 17.1 0.0 38.1

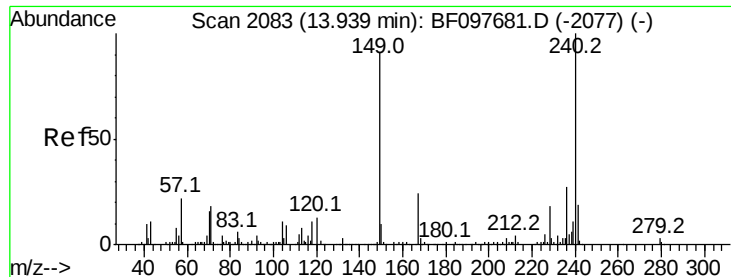


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampled :

SP-2

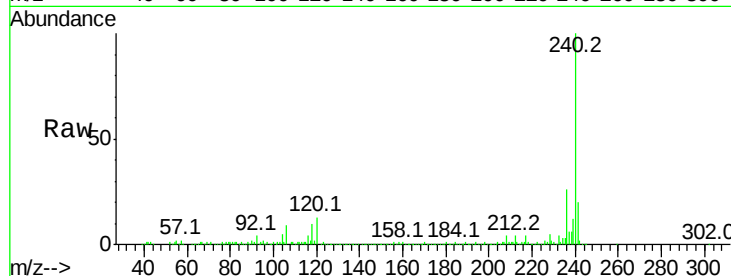
Tot Ion:240 Resp: 195488

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

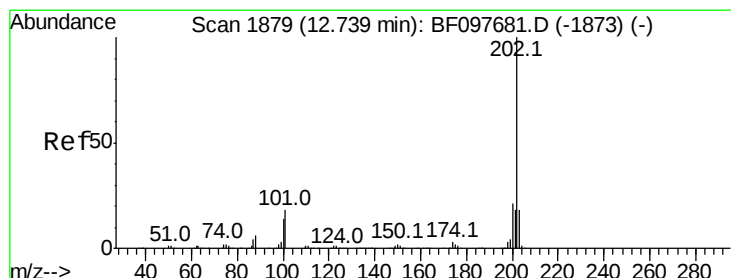
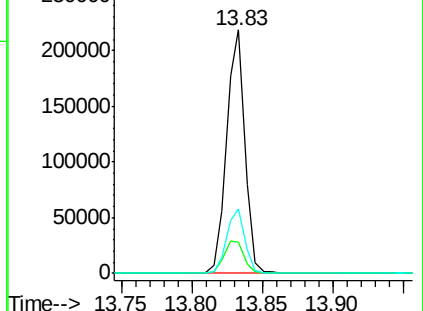
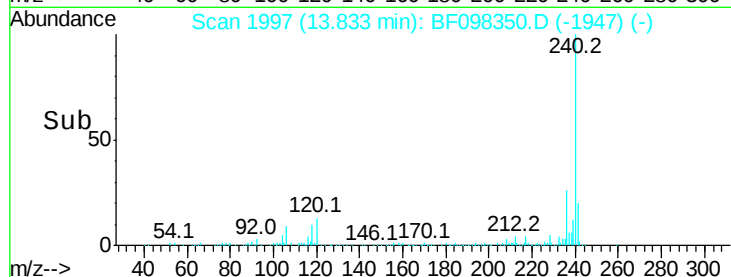
236 26.4 20.5 30.7



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: 10.454 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

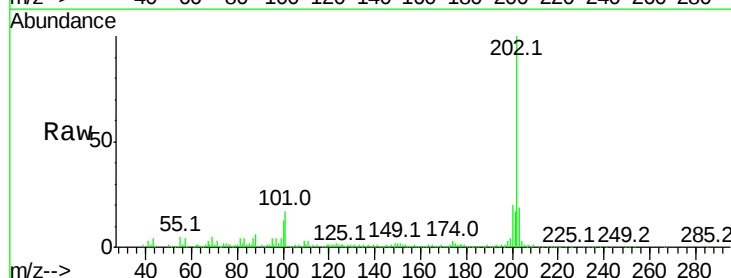
Tgt Ion:202 Resp: 167149

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

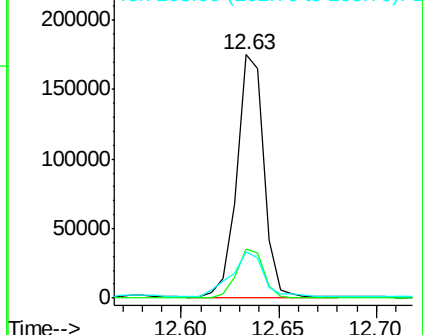
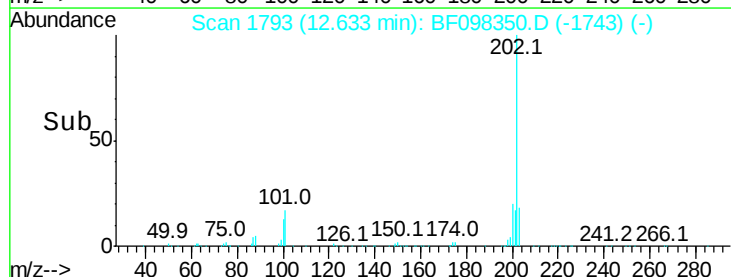
203 18.9 14.4 21.6

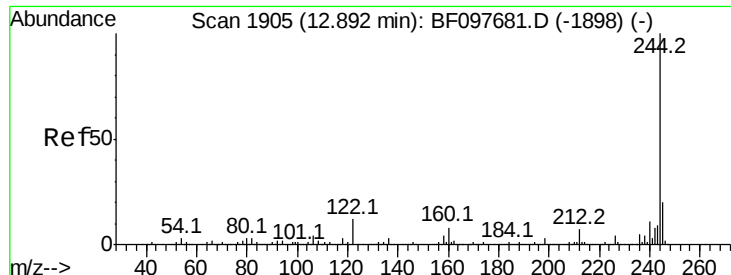


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.577 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

SP-2

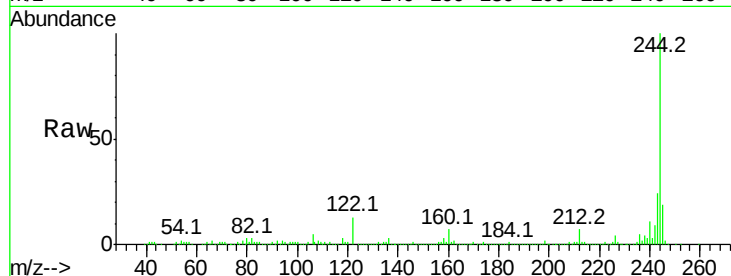
Tot Ion:244 Resp: 736615

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

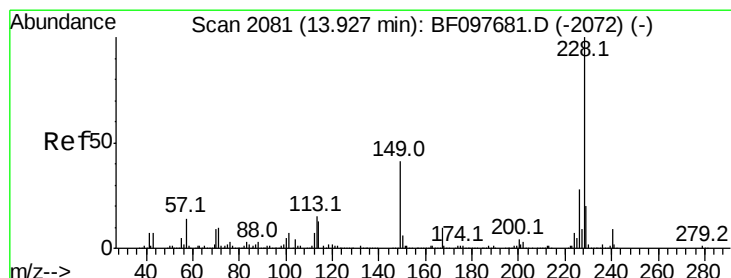
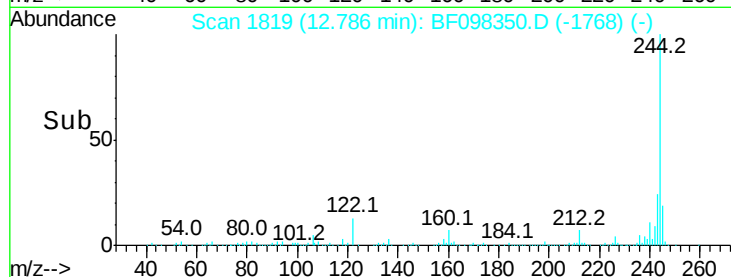
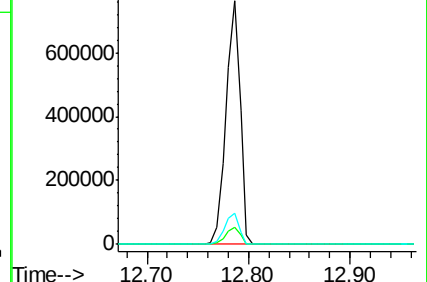
122 12.7 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 5.922 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

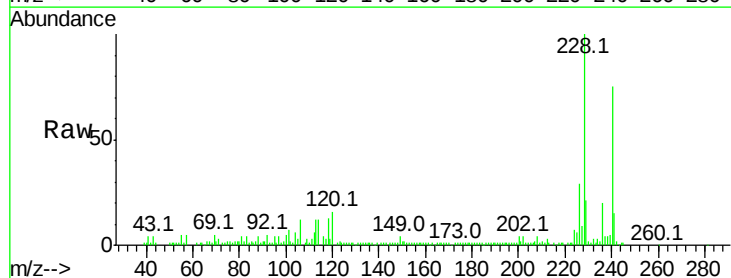
Tgt Ion:228 Resp: 69388

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

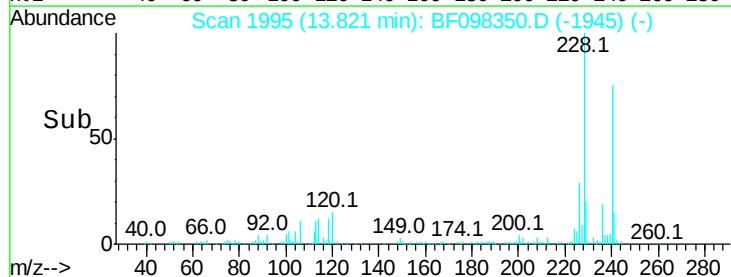
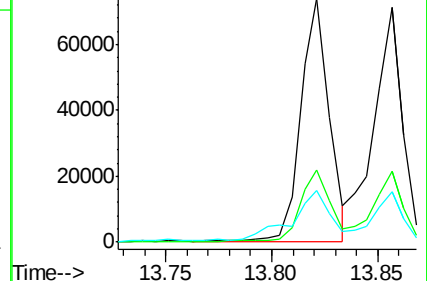
229 21.0 16.3 24.5

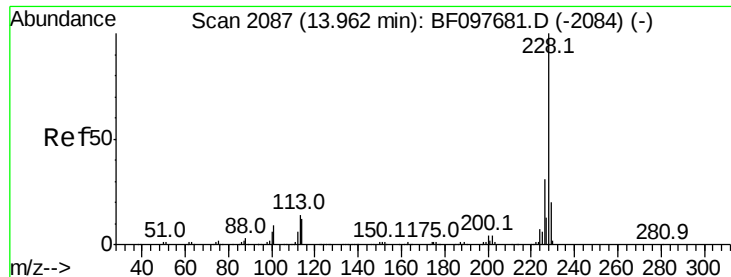


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.392 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

SP-2

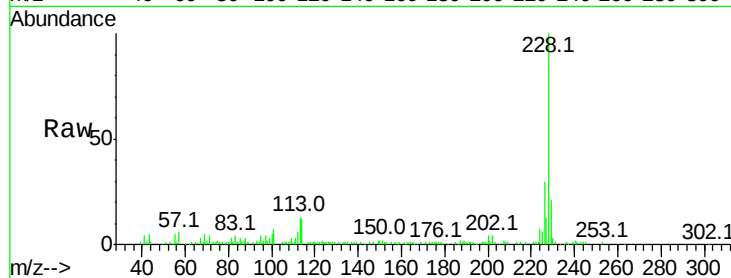
Tot Ion:228 Resp: 62844

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

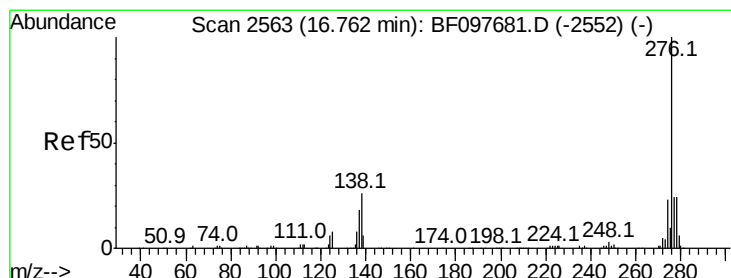
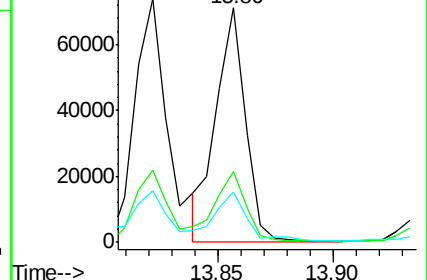
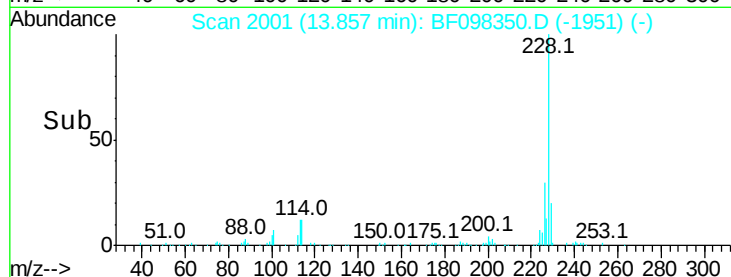
229 21.3 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.526 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

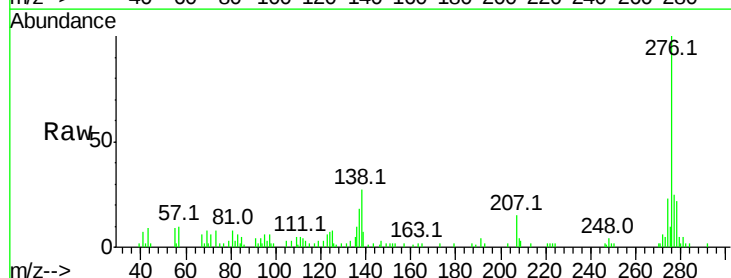
Tgt Ion:276 Resp: 38809

Ion Ratio Lower Upper

276 100

138 29.6 27.8 41.6

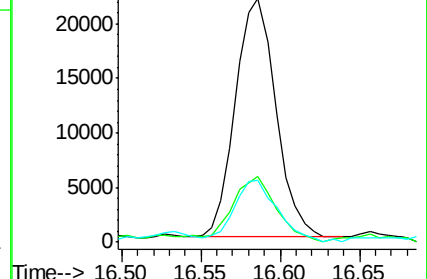
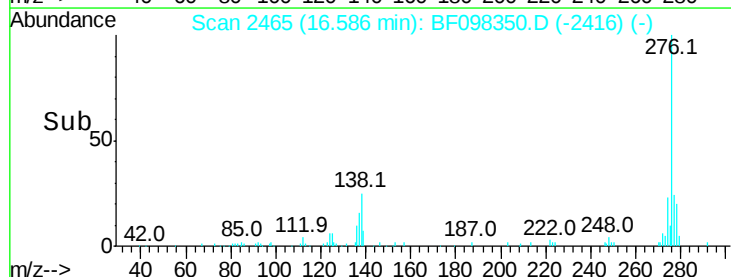
277 27.7 20.2 30.4

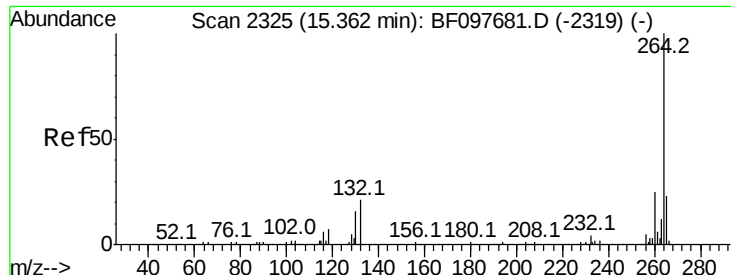


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

SP-2

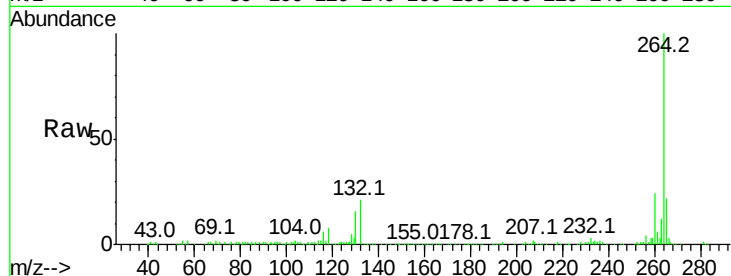
Tot Ion:264 Resp: 190788

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

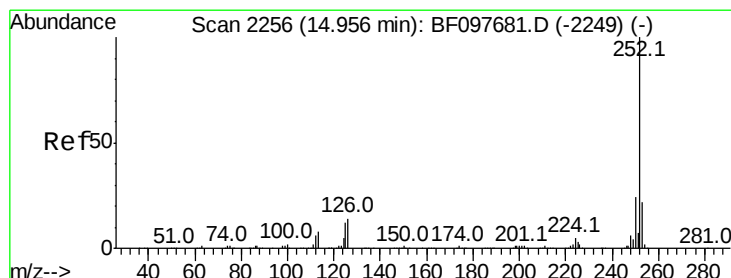
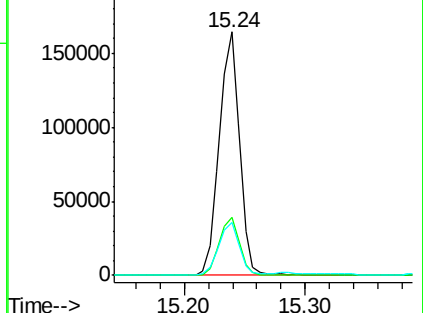
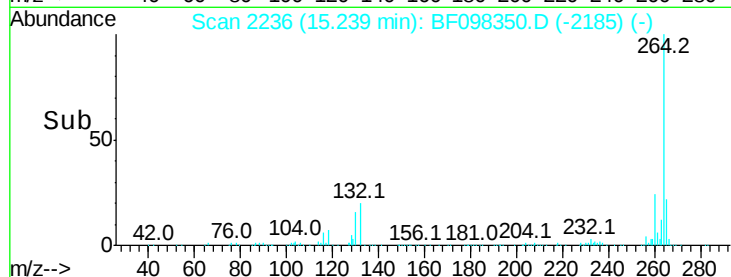
265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 9.173 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF098350.D

Acq: 8 Sep 2017 15:06

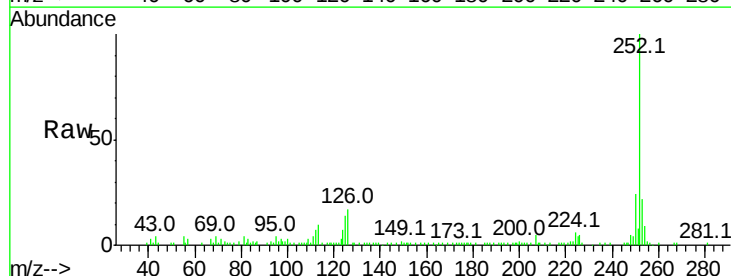
Tgt Ion:252 Resp: 110315

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

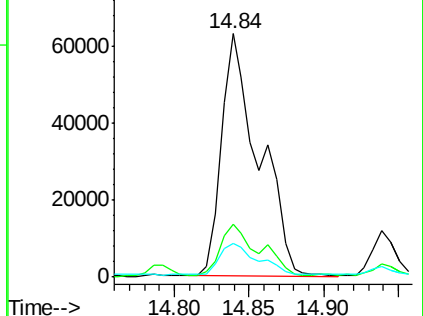
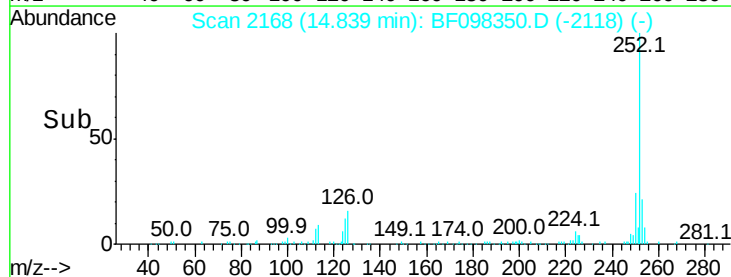
125 13.8 9.8 14.8

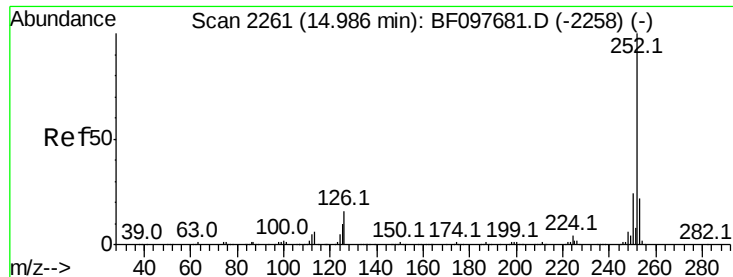


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

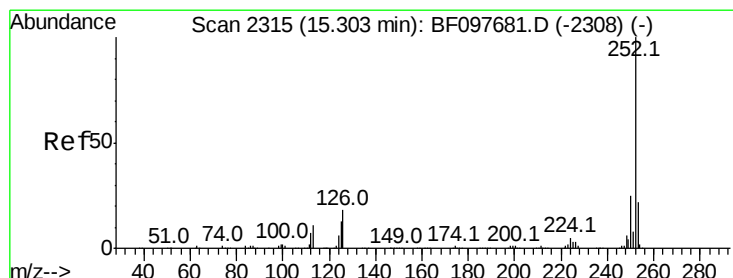
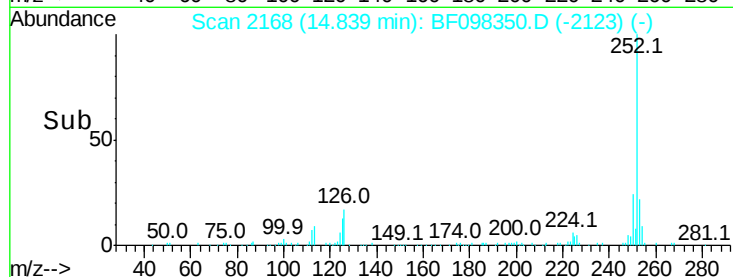
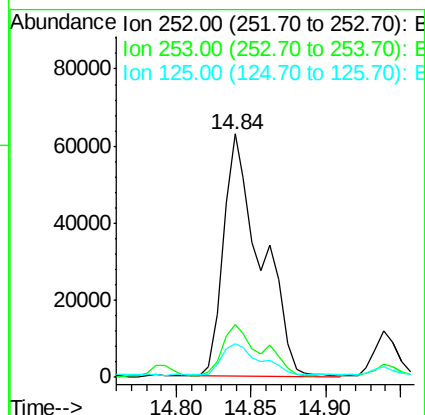
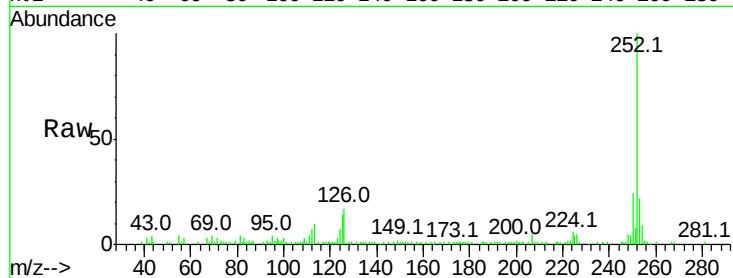




#88
Benzo(k)fluoranthene
Concen: 9.764 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

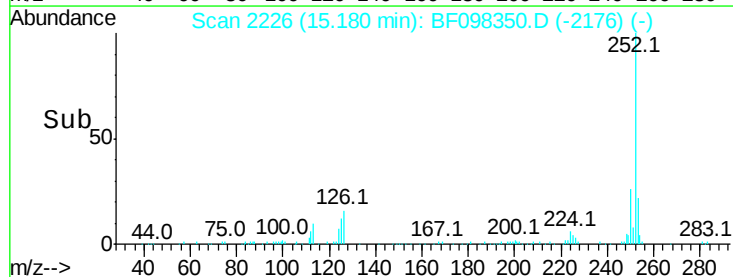
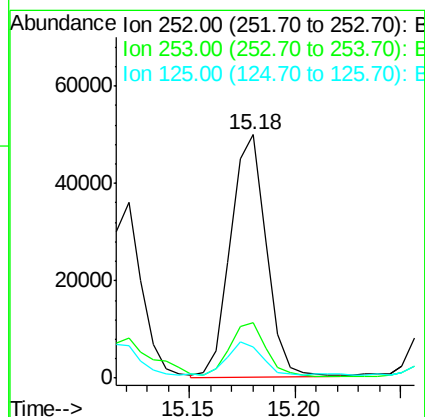
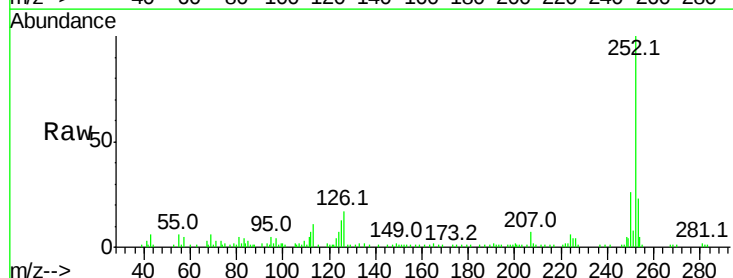
Instrument :
BNA_F
ClientSampleId :
SP-2

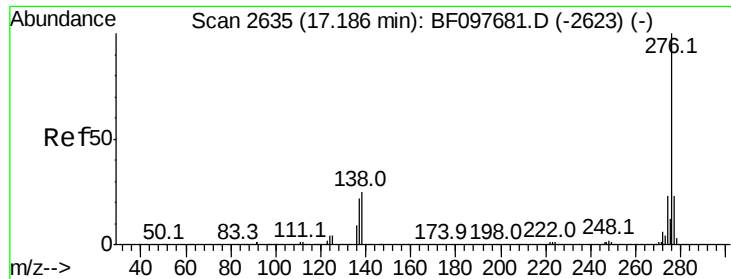
Tot Ion:252	Resp:	110315
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.4 27.6
125	13.8	13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.498 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF098350.D
Acq: 8 Sep 2017 15:06

Tgt Ion:252	Resp:	58535
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.5 26.3
125	12.7	11.0 16.4

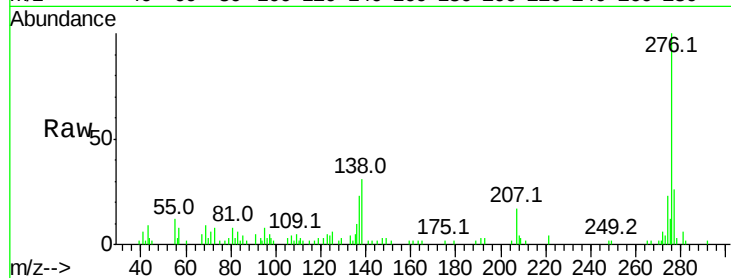




#91
 Benzo(a,h,i)perylene
 Concen: 4.330 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF098350.D
 Acq: 8 Sep 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	31.2	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

