

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098122.D
 Acq On : 29 Aug 2017 20:33
 Operator : SJ/JU
 Sample : I4993-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:01:18 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

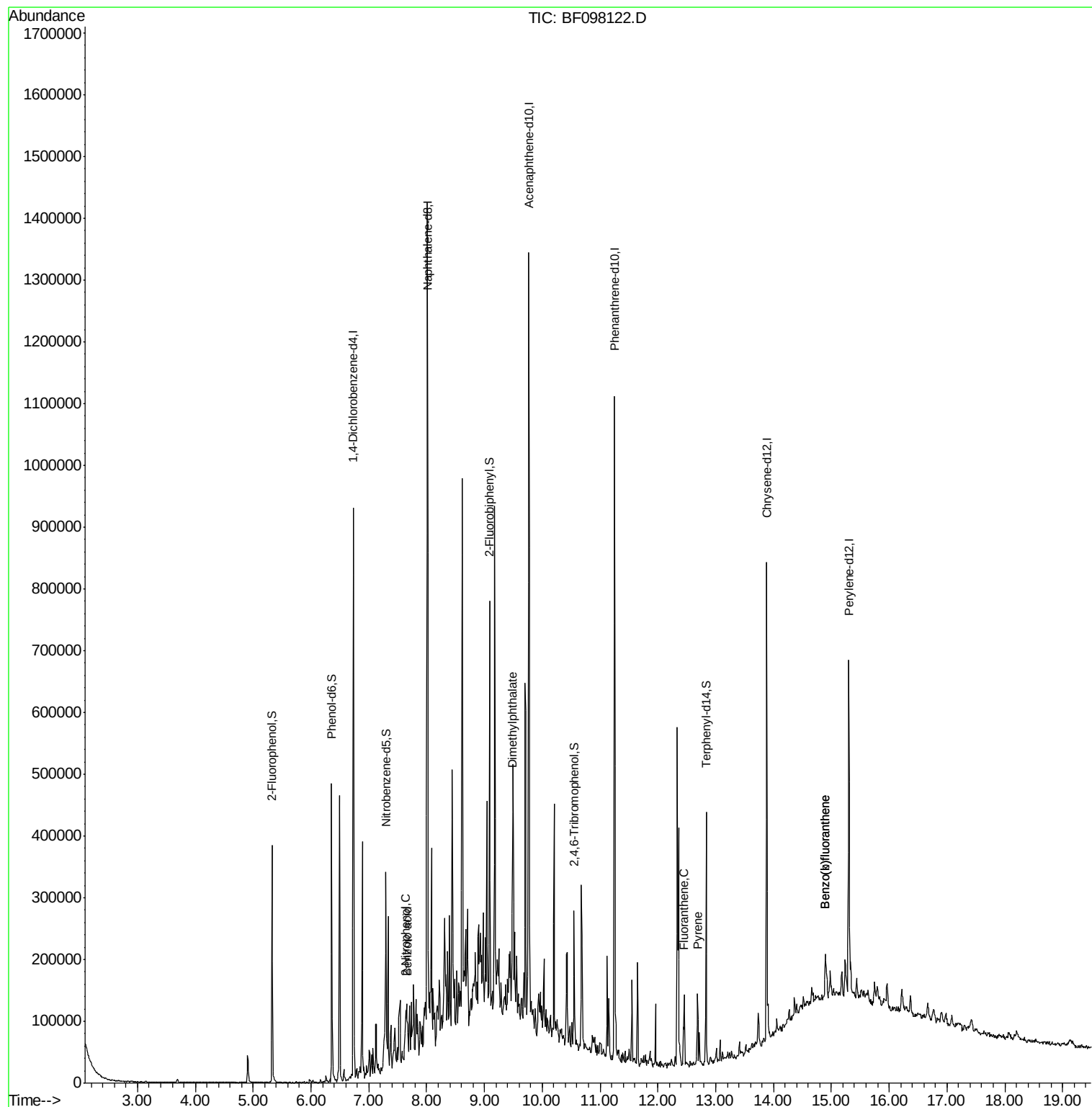
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	131807	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	516724	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	217396	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	342589	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	264199	20.00	ng	-0.01
86) Perylene-d12	15.30	264	230535	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	108423	12.51	ng	-0.02
7) Phenol-d6	6.36	99	160752	13.65	ng	-0.03
23) Nitrobenzene-d5	7.29	82	100960	10.61	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	21287	11.29	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	178076	12.03	ng	-0.02
78) Terphenyl-d14	12.83	244	107287	8.47	ng	-0.02
Target Compounds						
26) 2-Nitrophenol	7.63	139	354	5.340	ng	# 1
32) Benzoic acid	7.67	122	135	6.424	ng	# 1
49) Dimethylphthalate	9.49	163	32151	2.023	ng	99
74) Fluoranthene	12.46	202	42475	2.229	ng	99
77) Pyrene	12.69	202	43598	2.018	ng	98
87) Benzo(b)fluoranthene	14.90	252	43953	3.025	ng	# 96
88) Benzo(k)fluoranthene	14.90	252	43953	3.219	ng	99

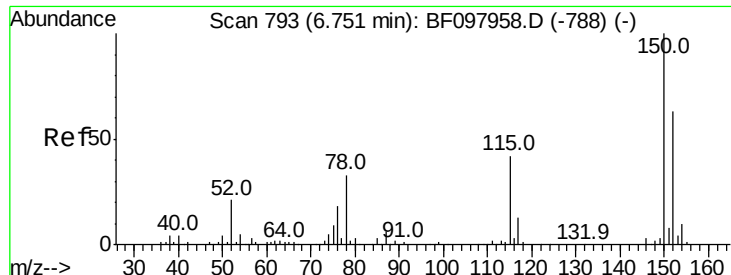
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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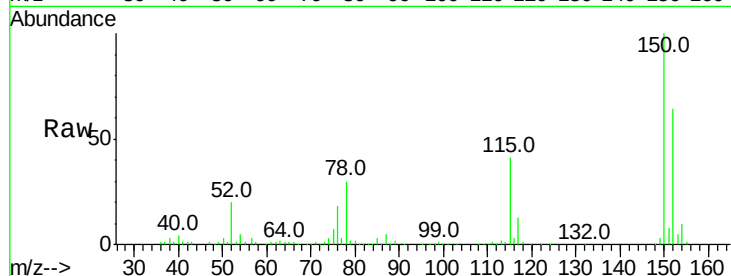


#1

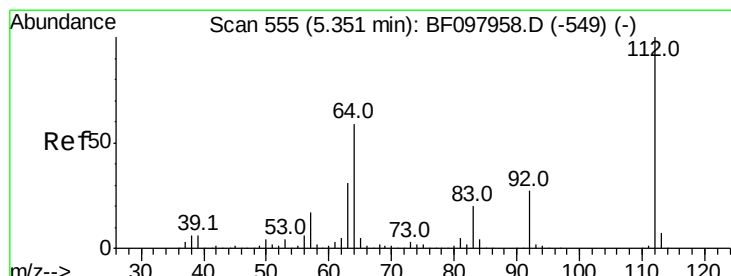
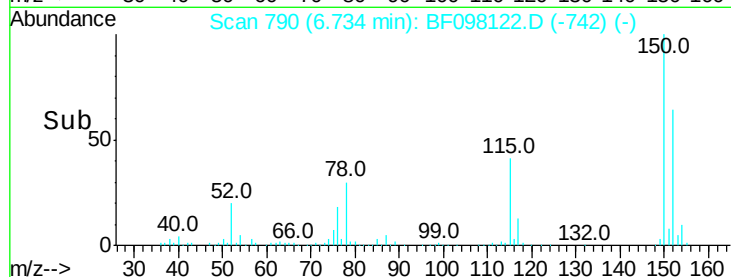
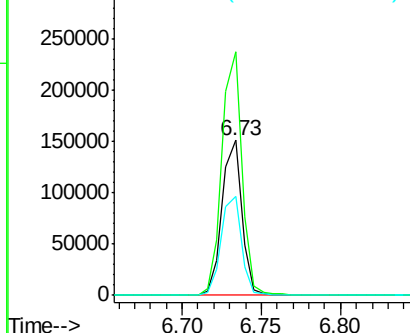
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098122.D
Acq: 29 Aug 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131807
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 64.3 52.2 78.2



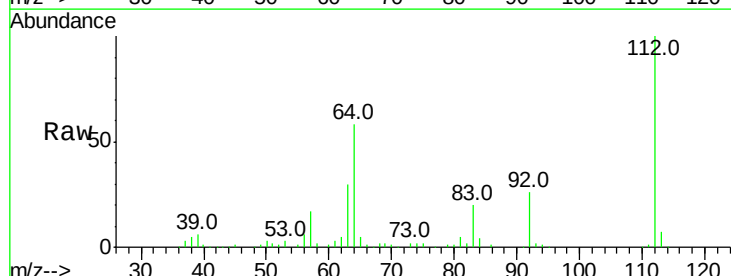
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



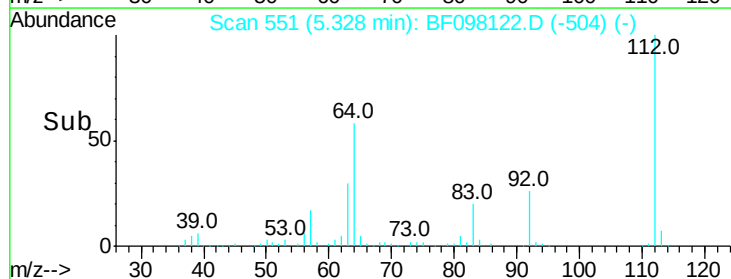
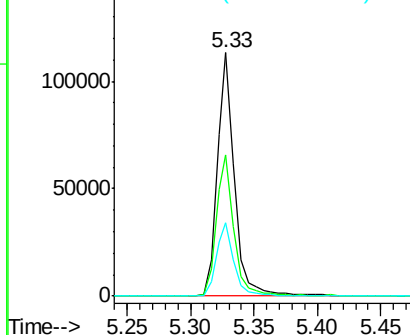
#5

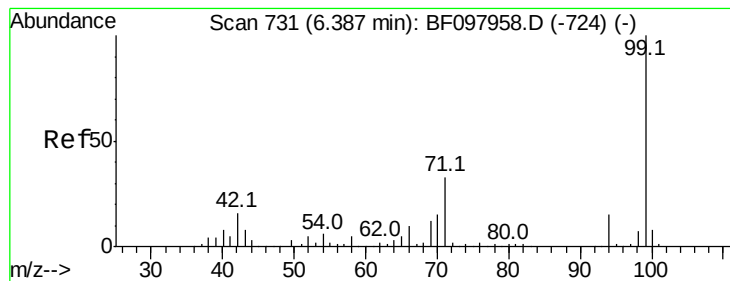
2-Fluorophenol
Concen: 12.512 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098122.D
Acq: 29 Aug 2017 20:33

Tgt Ion:112 Resp: 108423
Ion Ratio Lower Upper
112 100
64 57.8 46.0 69.0
63 30.2 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: 13.653 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

Instrument :

BNA_F

ClientSampled :

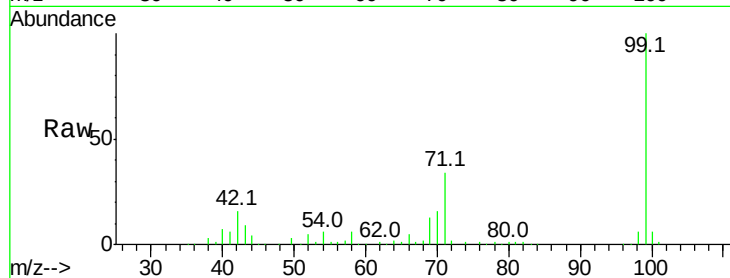
Tot Ion: 99 Resp: 160752

Ion Ratio Lower Upper

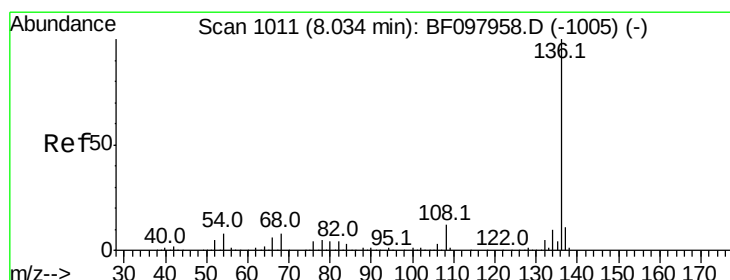
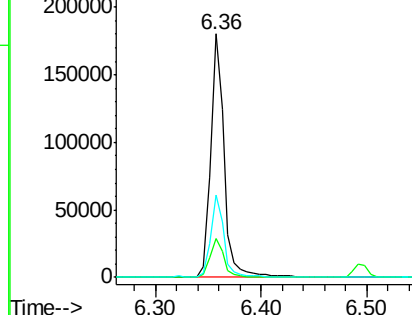
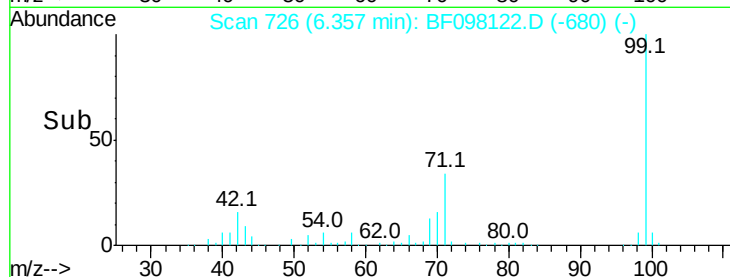
99 100

42 16.1 13.5 20.3

71 33.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

Tgt Ion: 136 Resp: 516724

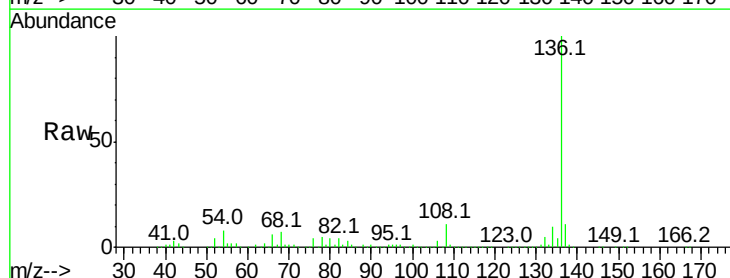
Ion Ratio Lower Upper

136 100

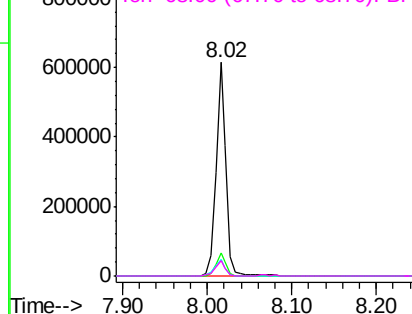
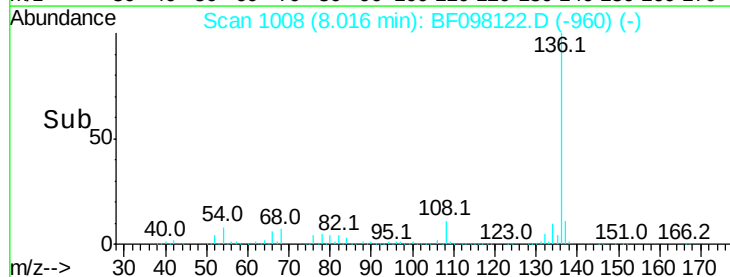
137 11.0 8.5 12.7

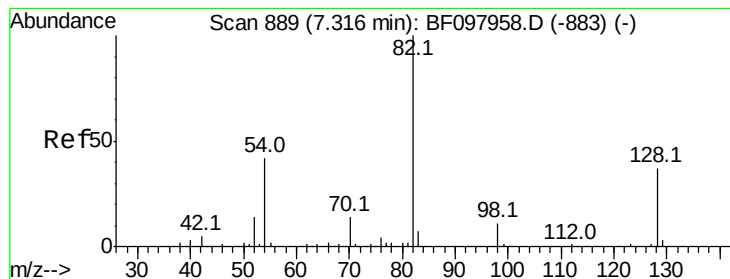
54 7.9 4.9 7.3#

68 7.5 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: 10.614 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.03 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

Instrument :

BNA_F

ClientSampleId :

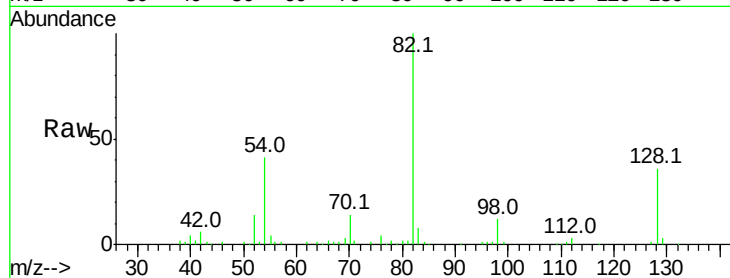
Tot Ion: 82 Resp: 100960

Ion Ratio Lower Upper

82 100

128 36.1 34.0 51.0

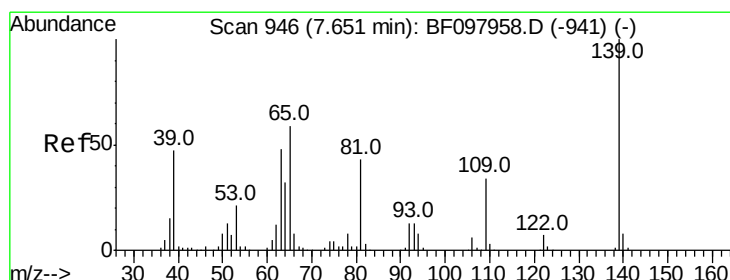
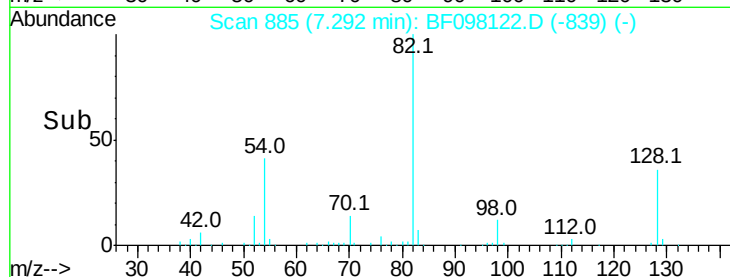
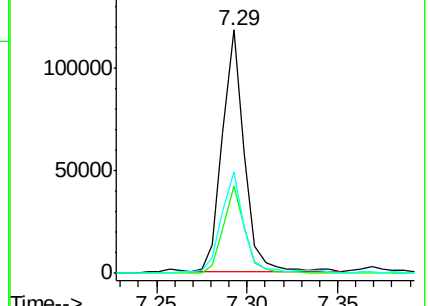
54 41.5 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#26

2-Nitrophenol

Concen: 5.340 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

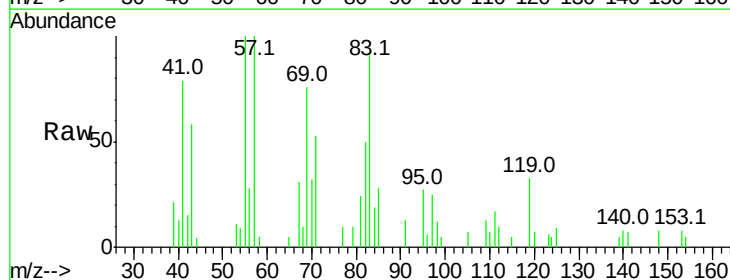
Tgt Ion: 139 Resp: 354

Ion Ratio Lower Upper

139 100

109 277.3 21.0 31.6#

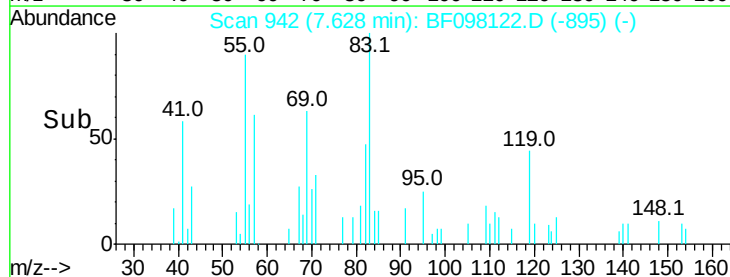
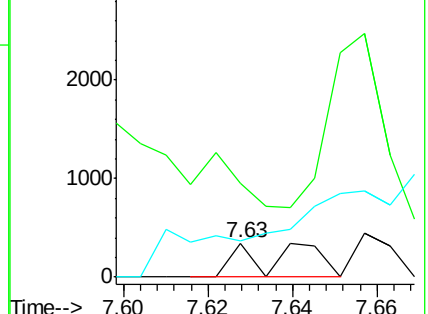
65 109.0 33.0 49.6#

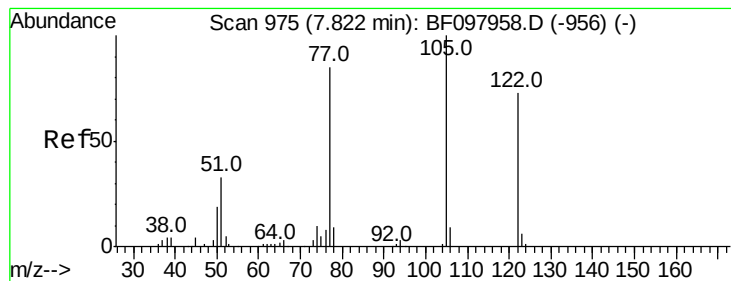


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 6.424 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.16 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

Instrument :

BNA_F

ClientSampleId :

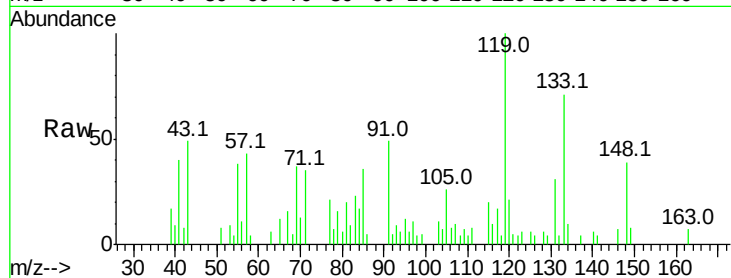
Tot Ion:122 Resp: 135

Ion Ratio Lower Upper

122 100

105 582.2 103.3 143.3#

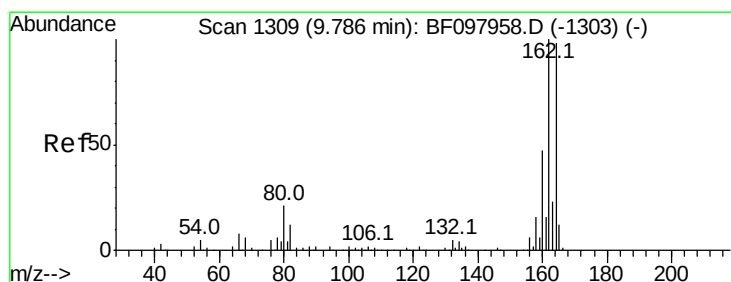
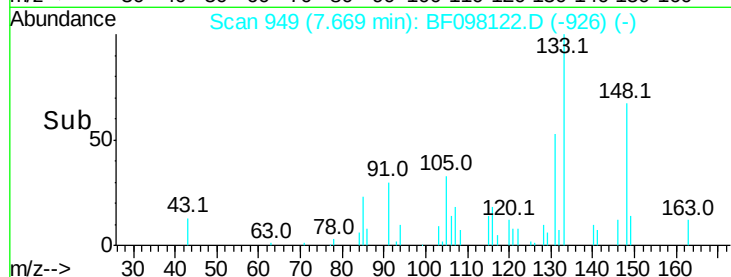
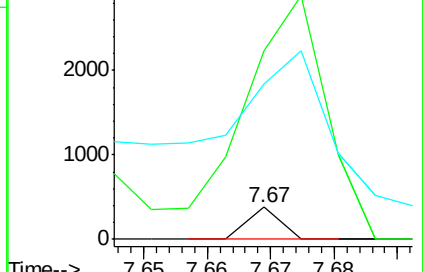
77 481.2 73.7 113.7#



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: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

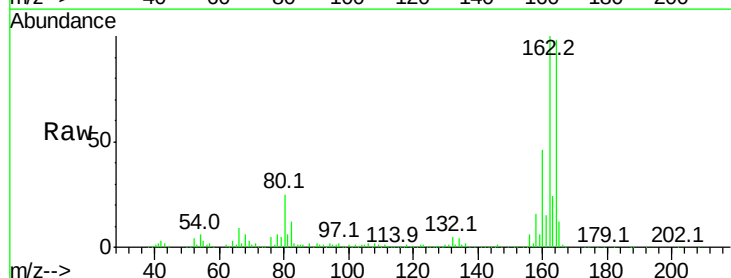
Tgt Ion:164 Resp: 217396

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

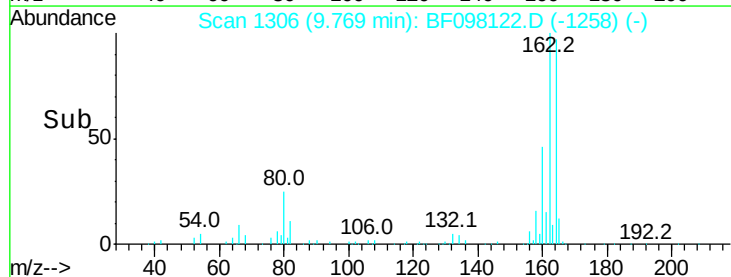
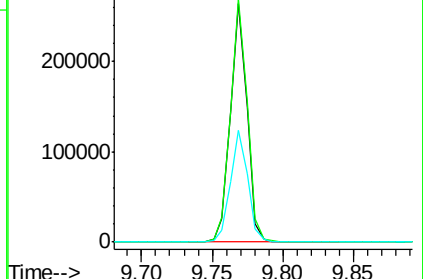
160 46.9 36.2 54.2

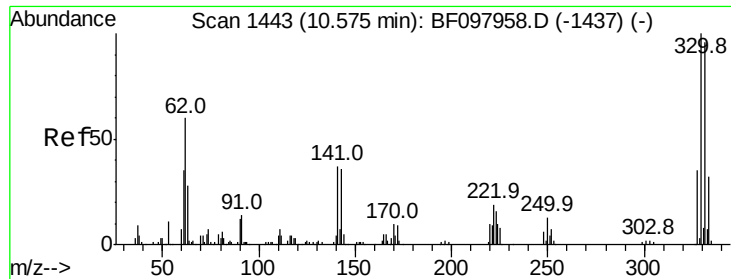


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

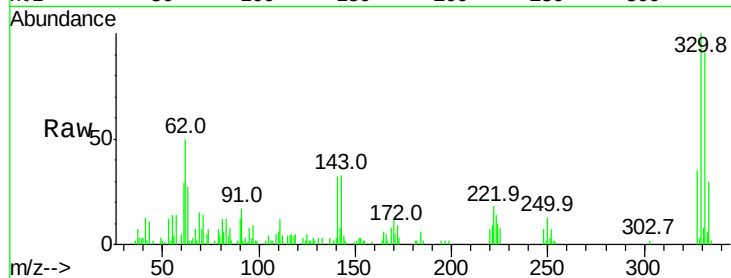




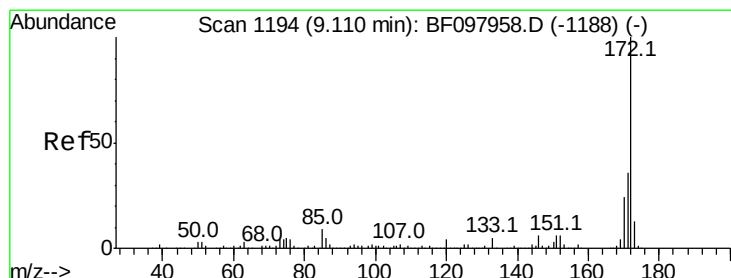
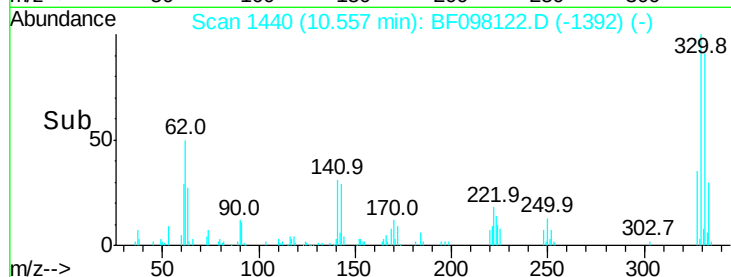
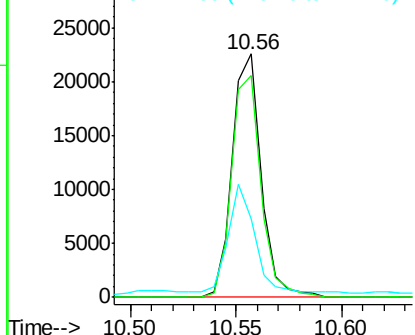
#41
 2,4,6-Tribromophenol
 Concen: 11.285 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098122.D
 Acq: 29 Aug 2017 20:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 21287
 Ion Ratio Lower Upper
 330 100
 332 92.8 76.6 115.0
 141 40.7 31.4 47.2

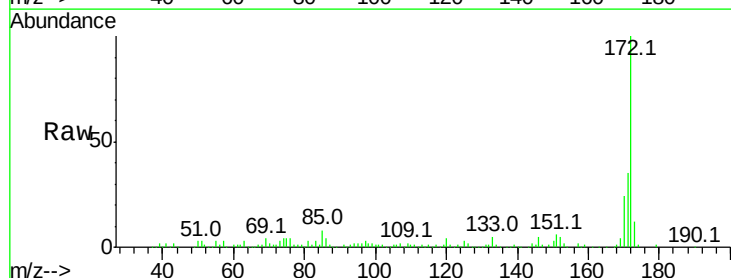


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

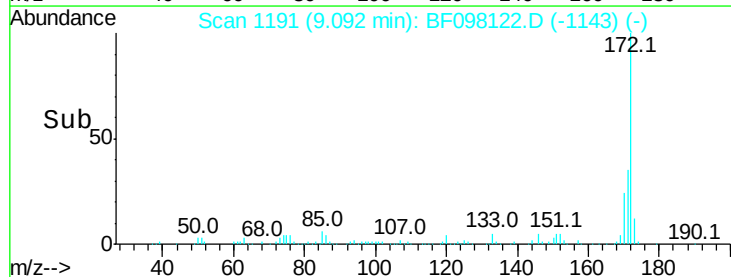
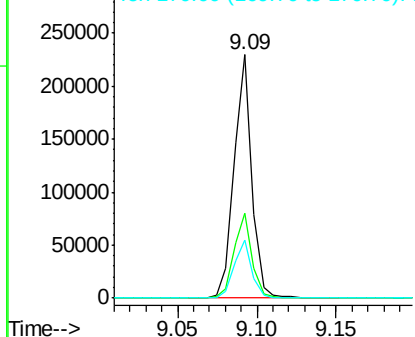


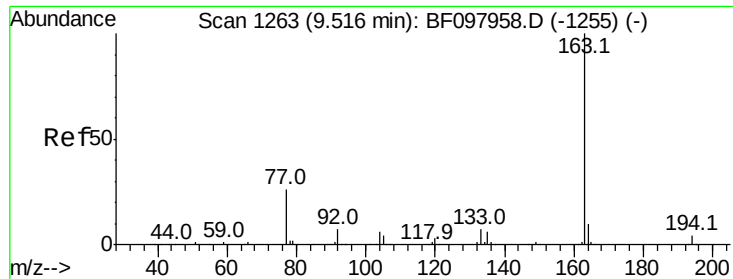
#44
 2-Fluorobiphenyl
 Concen: 12.035 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098122.D
 Acq: 29 Aug 2017 20:33

Tgt Ion:172 Resp: 178076
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 24.1 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: 2.023 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.03 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

Instrument :

BNA_F

ClientSampleId :

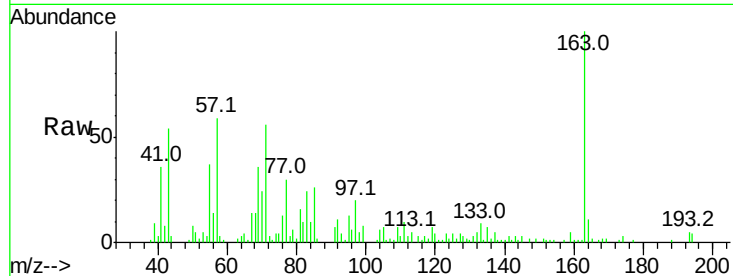
Tot Ion:163 Resp: 32151

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

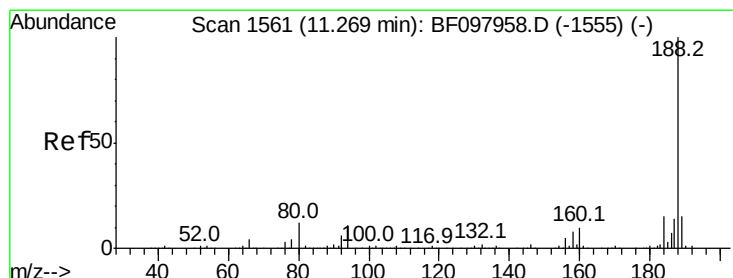
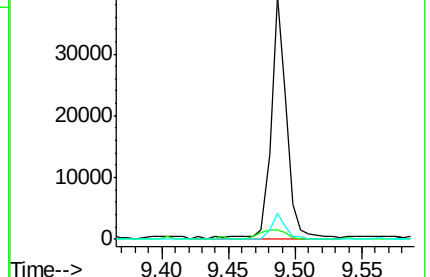
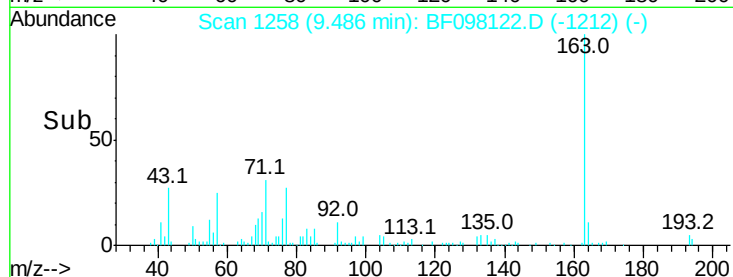
164 10.7 8.4 12.6



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: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098122.D

Acq: 29 Aug 2017 20:33

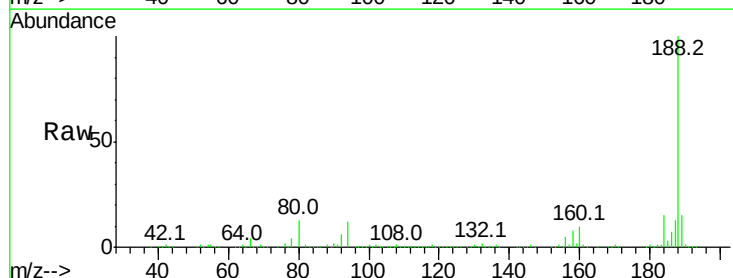
Tgt Ion:188 Resp: 342589

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

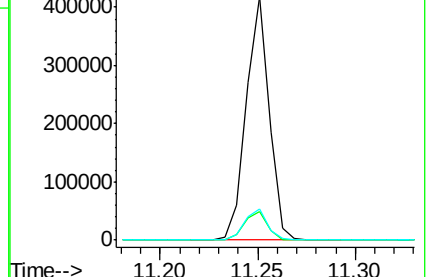
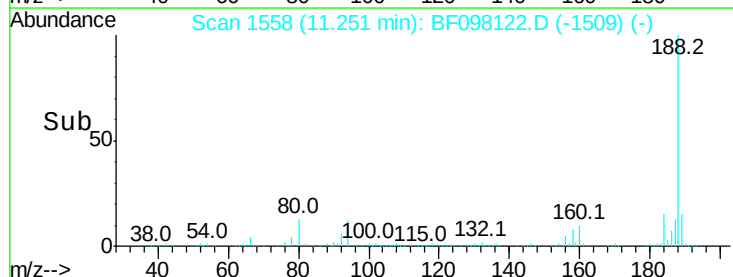
80 12.6 10.2 15.2

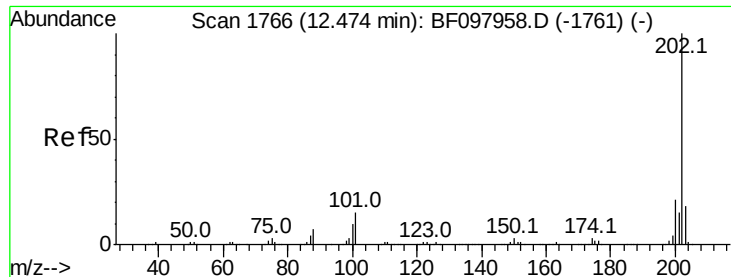


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

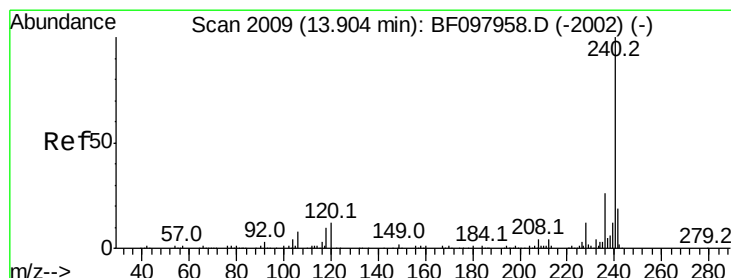
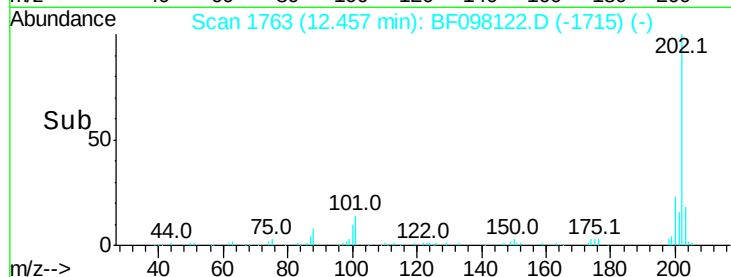
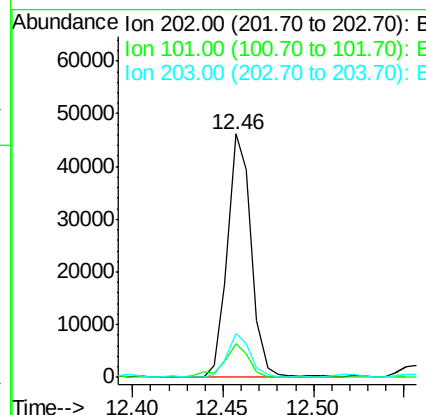
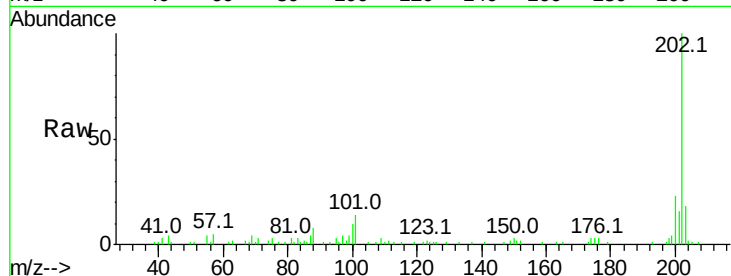




#74
 Fluoranthene
 Concen: 2.229 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BF098122.D
 Acq: 29 Aug 2017 20:33

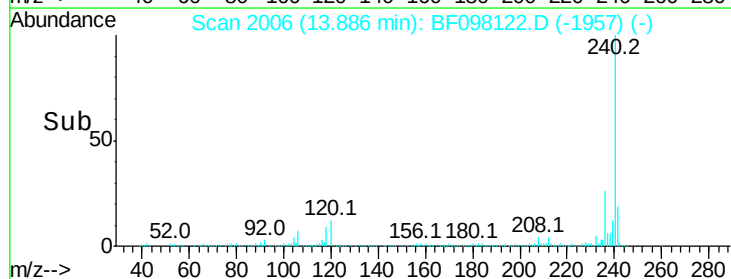
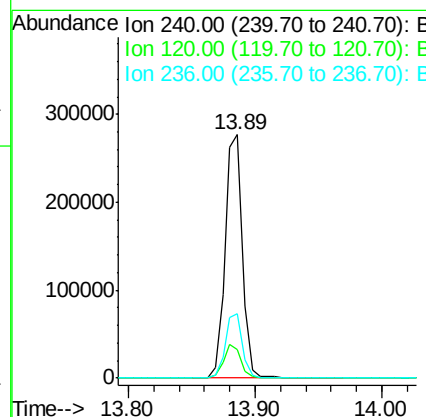
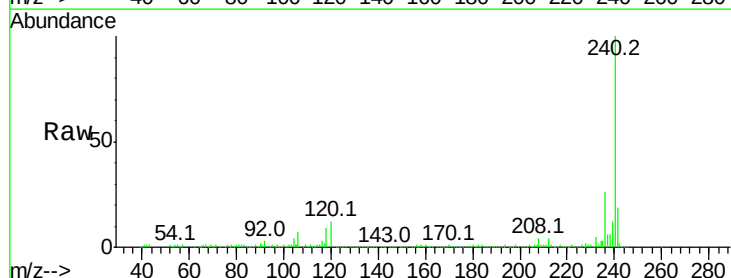
Instrument :
 BNA_F
 ClientSampleId :

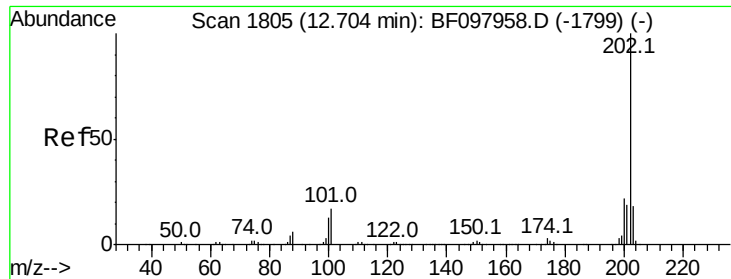
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	18.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF098122.D
 Acq: 29 Aug 2017 20:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	5.8	8.8#
236	26.3	20.5	30.7

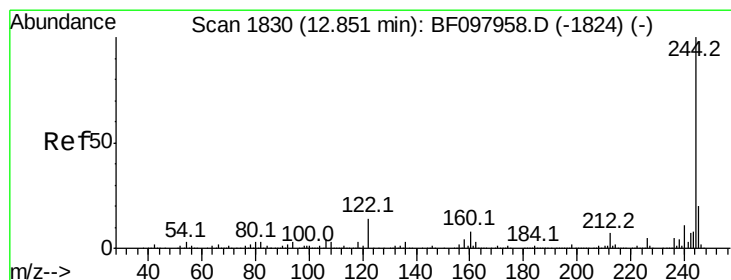
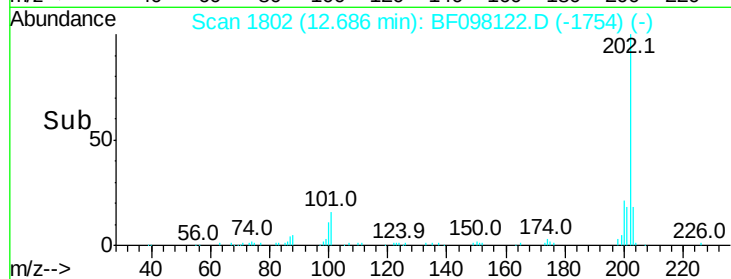
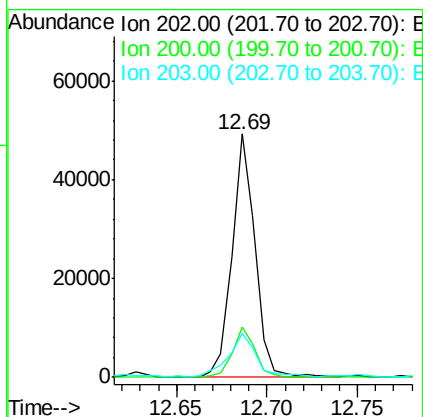
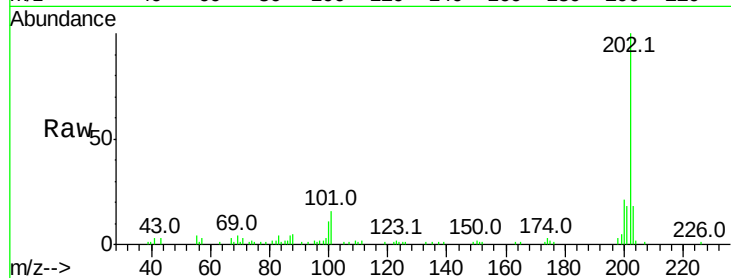




#77
Pvrene
Concen: 2.018 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF098122.D
Acq: 29 Aug 2017 20:33

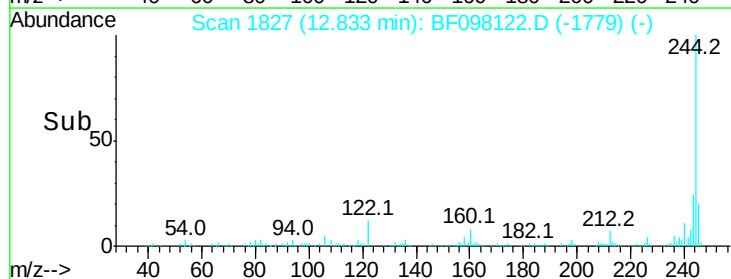
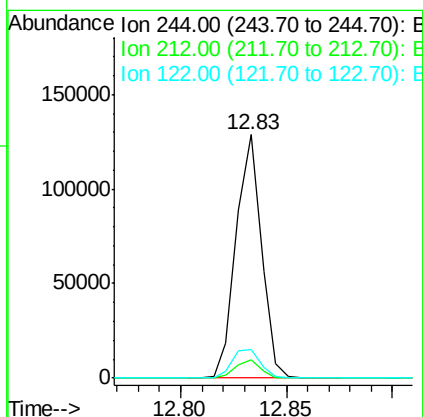
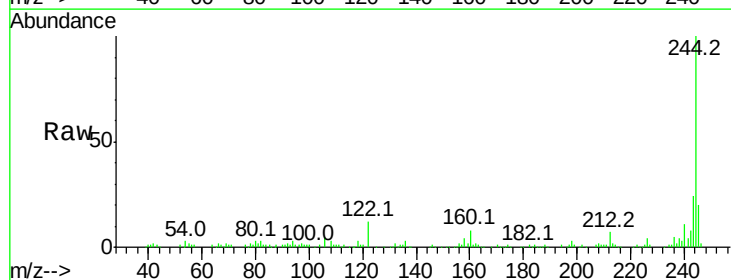
Instrument :
BNA_F
ClientSampleId :

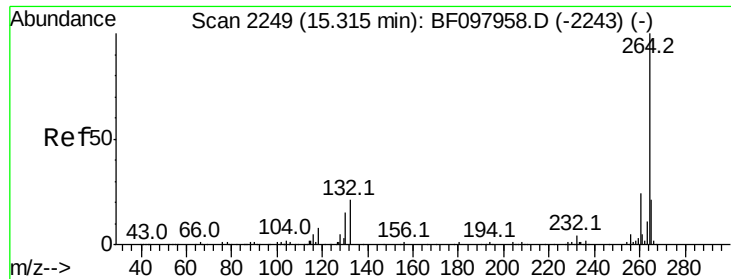
Tot Ion:202 Resp: 43598
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 18.2 14.4 21.6



#78
Terphenyl-d14
Concen: 8.468 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF098122.D
Acq: 29 Aug 2017 20:33

Tgt Ion:244 Resp: 107287
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 11.5 10.3 15.5

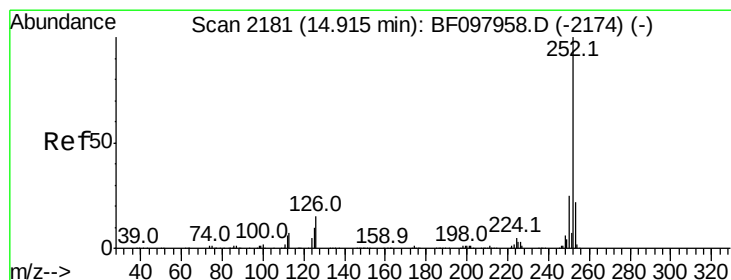
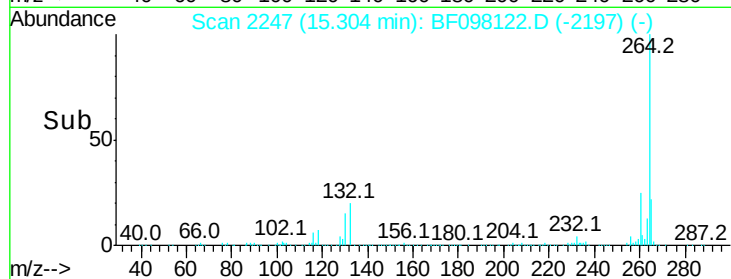
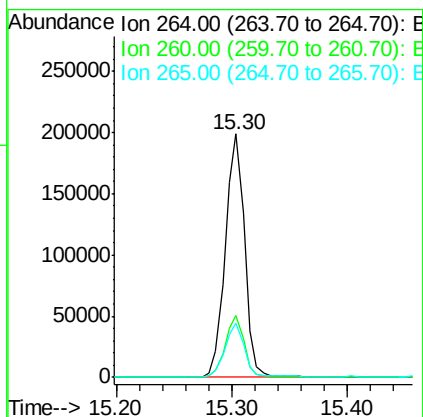
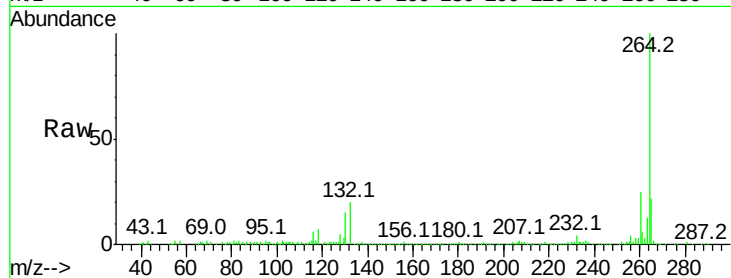




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098122.D
Acq: 29 Aug 2017 20:33

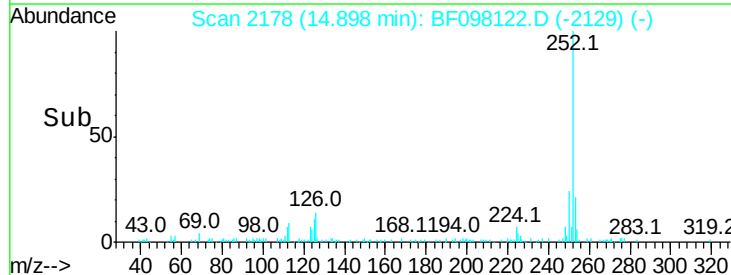
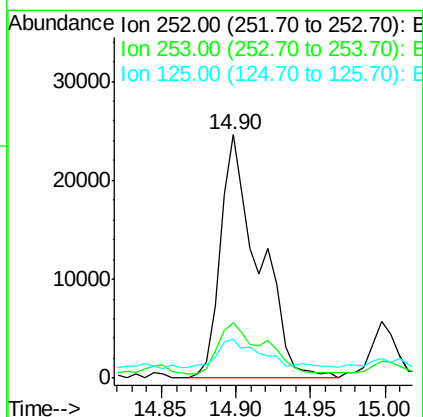
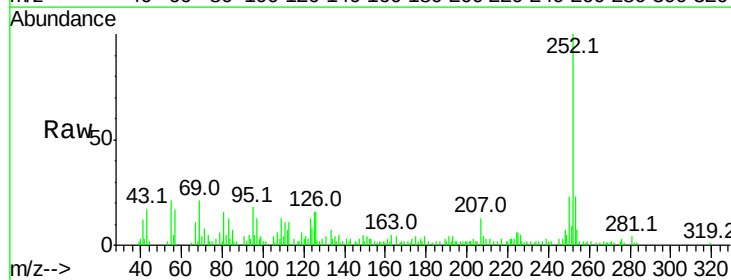
Instrument :
BNA_F
ClientSampled :

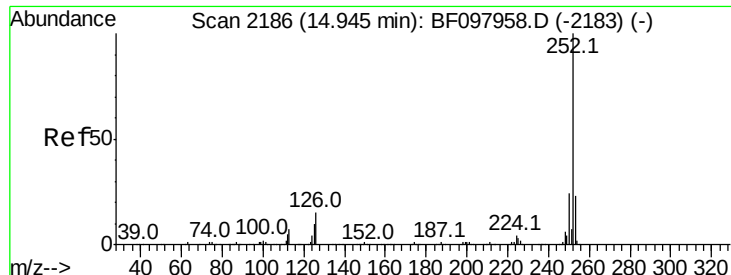
Tot Ion:264 Resp: 230535
Ion Ratio Lower Upper
264 100
260 25.3 19.5 29.3
265 22.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.025 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098122.D
Acq: 29 Aug 2017 20:33

Tgt Ion:252 Resp: 43953
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 15.9 9.8 14.8#

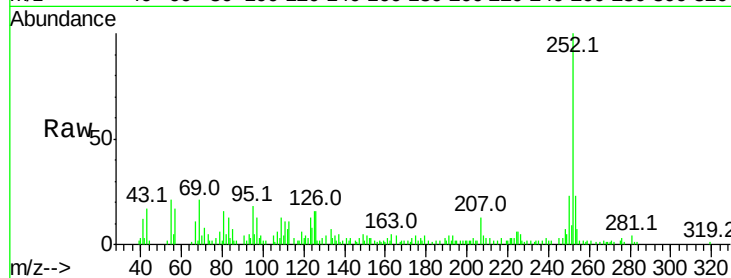




#88
 Benzo(k)fluoranthene
 Concen: 3.219 ng
 RT: 14.90 min Scan# 2178
 Delta R.T. -0.04 min
 Lab File: BF098122.D
 Acq: 29 Aug 2017 20:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	15.9	13.1	19.7



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

