

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097342.D
 Acq On : 4 Aug 2017 3:08
 Operator : SJ/JU
 Sample : I4562-13 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-E

Quant Time: Aug 04 03:47:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

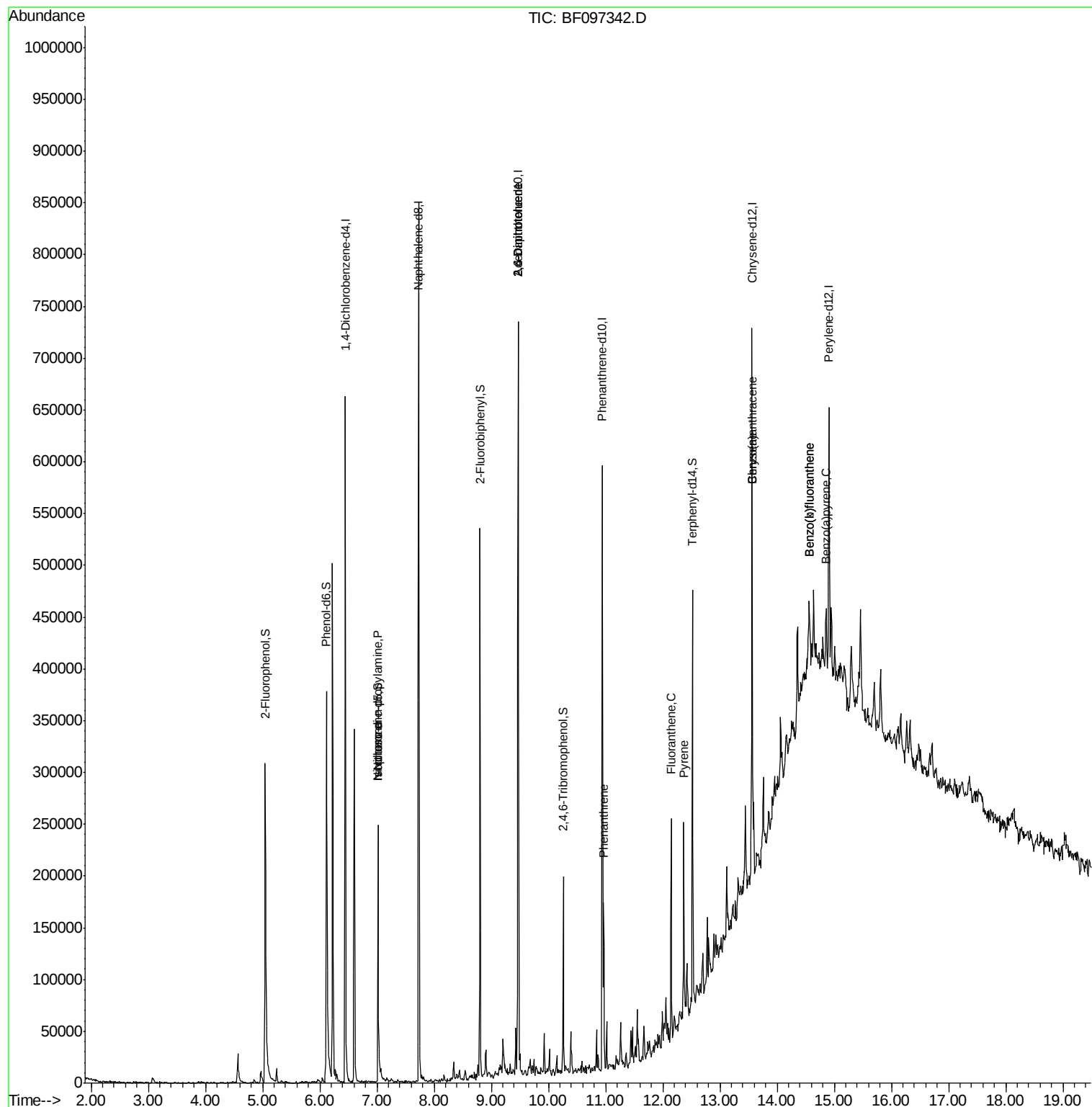
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	97897	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	353763	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	127632	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	196835	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	163015	20.00	ng	-0.06
86) Perylene-d12	14.91	264	106790	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	136664	21.04	ng	-0.05
7) Phenol-d6	6.12	99	176819	23.85	ng	-0.05
23) Nitrobenzene-d5	7.02	82	87710	14.54	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	19249	19.09	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	157114	20.89	ng	-0.06
78) Terphenyl-d14	12.52	244	111746	13.98	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	12075	2.474	ng	# 82
25) Isophorone	7.02	82	87709	7.427	ng	# 67
50) 2,6-Dinitrotoluene	9.47	165	17116	8.326	ng	# 33
56) 2,4-Dinitrotoluene	9.47	165	17116	7.243	ng	# 32
70) Phenanthrene	10.96	178	57105	5.415	ng	97
74) Fluoranthene	12.15	202	74732	7.233	ng	97
77) Pyrene	12.37	202	71473	5.356	ng	98
80) Benzo(a)anthracene	13.55	228	27958	2.651	ng	97
82) Chrysene	13.55	228	28031	2.722	ng	95
87) Benzo(b)fluoranthene	14.56	252	28396	4.423	ng	# 71
88) Benzo(k)fluoranthene	14.56	252	28396	4.642	ng	# 76
89) Benzo(a)pyrene	14.86	252	16061	2.734	ng	# 69

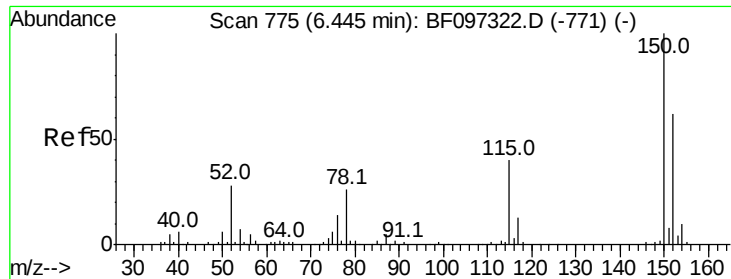
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097342.D
Acq On : 4 Aug 2017 3:08
Operator : SJ/JU
Sample : I4562-13 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Quant Time: Aug 04 03:47:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.45 min Scan# 775

Delta R.T. -0.05 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-E

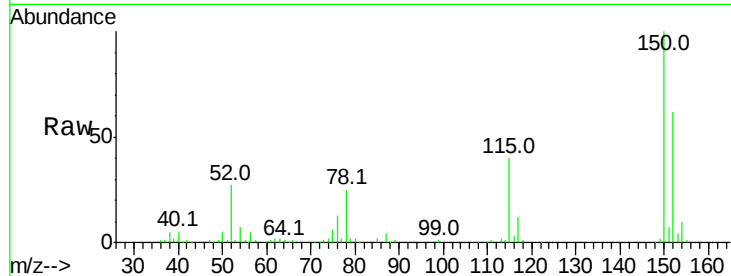
Tot Ion:152 Resp: 97897

Ion Ratio Lower Upper

152 100

150 161.1 126.2 189.2

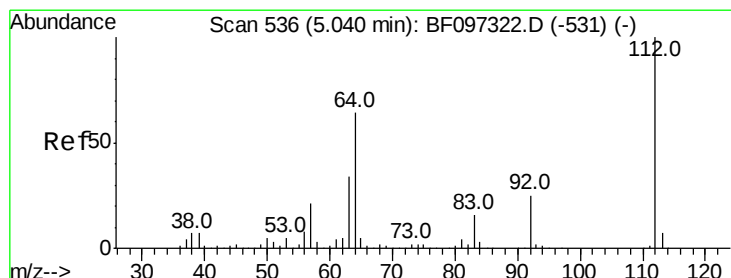
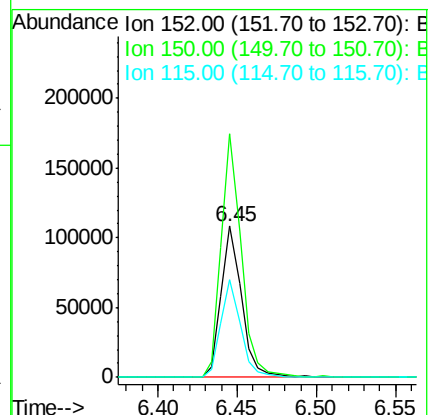
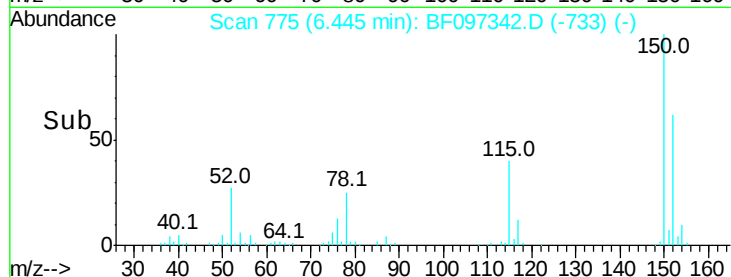
115 64.6 52.2 78.2



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: 21.045 ng

RT: 5.05 min Scan# 537

Delta R.T. -0.05 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

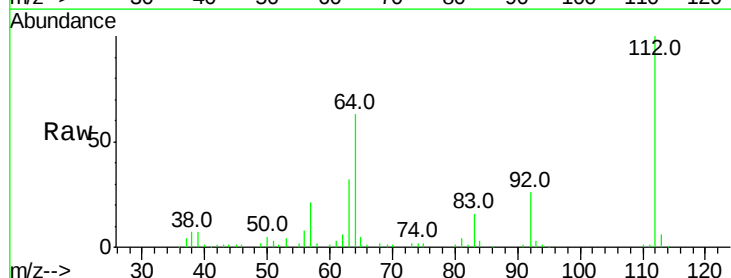
Tgt Ion:112 Resp: 136664

Ion Ratio Lower Upper

112 100

64 63.2 46.0 69.0

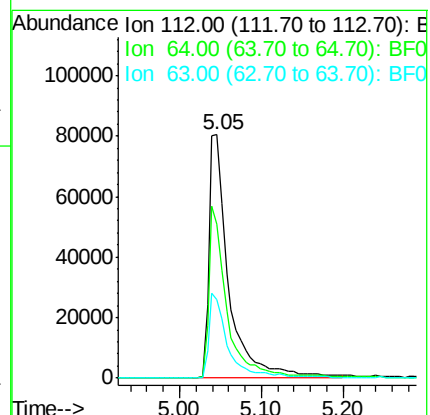
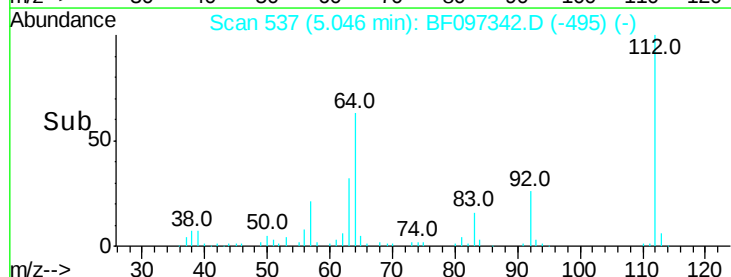
63 32.4 23.4 35.0

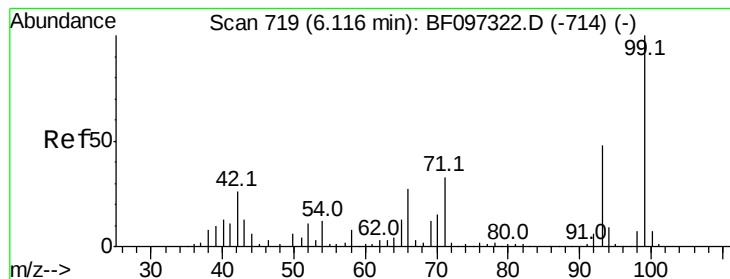


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.850 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-E

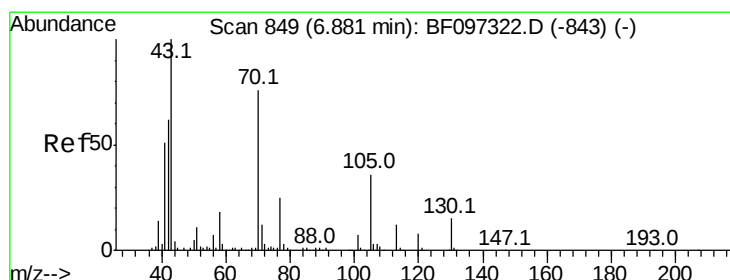
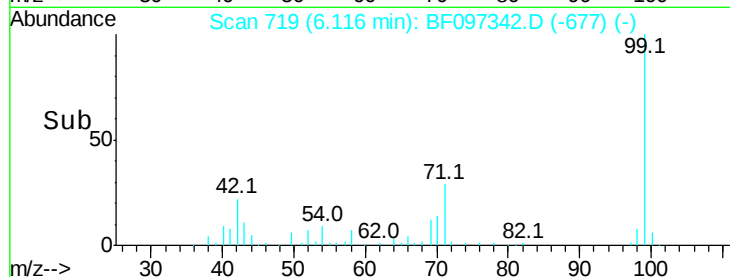
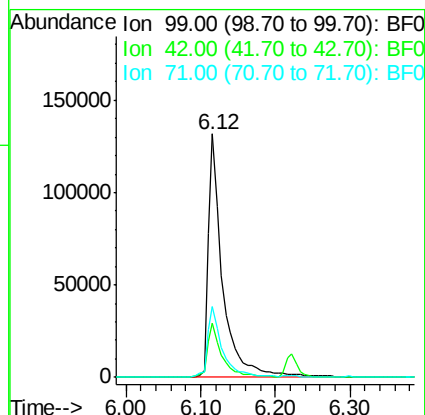
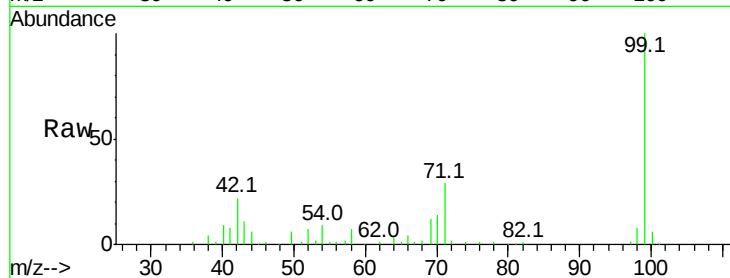
Tot Ion: 99 Resp: 176819

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

71 29.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.474 ng

RT: 7.02 min Scan# 872

Delta R.T. 0.08 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Tgt Ion: 70 Resp: 12075

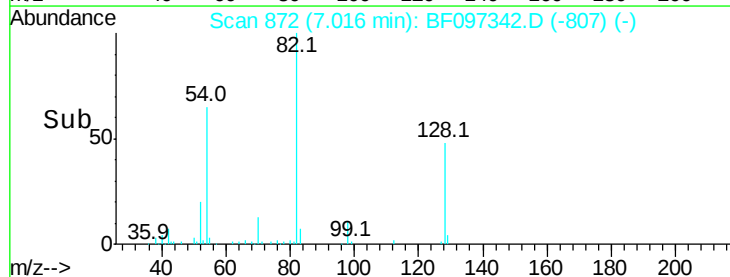
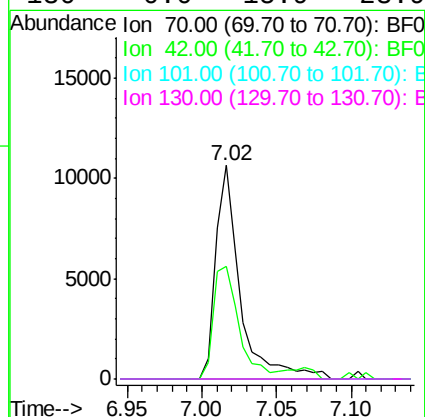
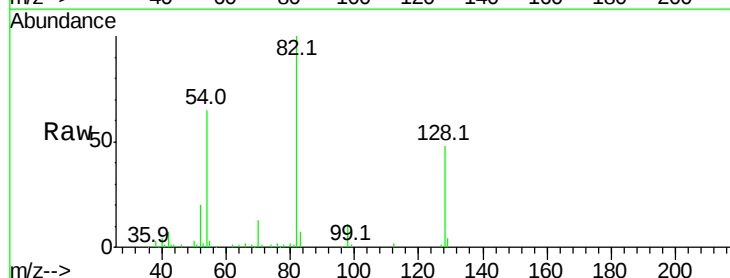
Ion Ratio Lower Upper

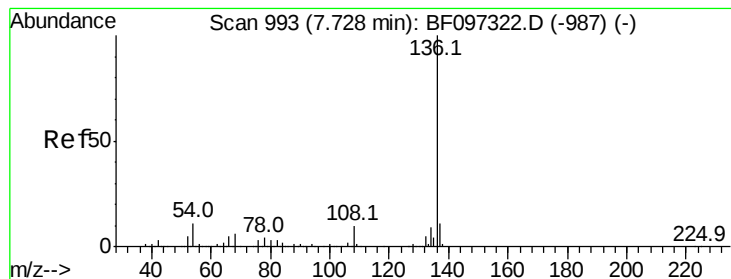
70 100

42 53.0 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.73 min Scan# 993

Delta R.T. -0.06 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-E

Tot Ion:136 Resp: 353763

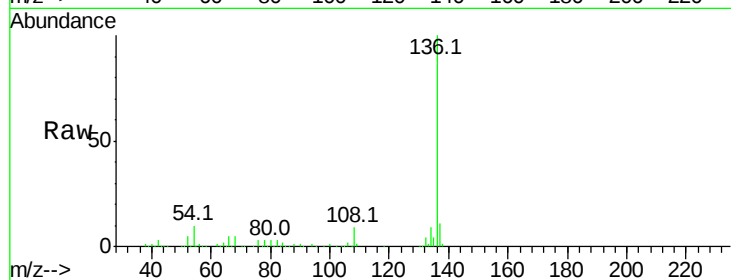
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.3 4.9 7.3#

68 5.5 4.1 6.1

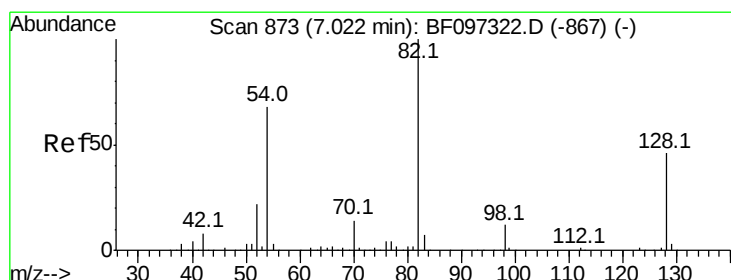
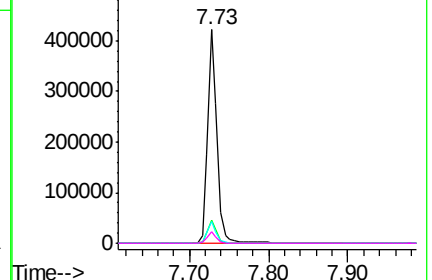
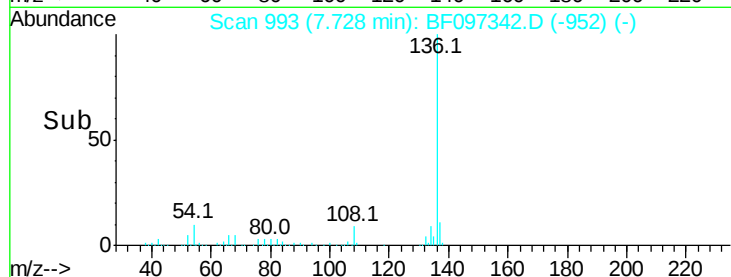


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.545 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.06 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

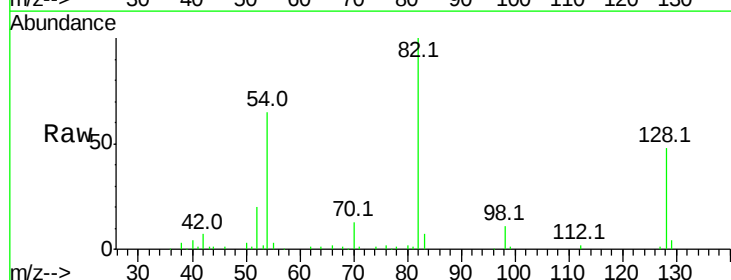
Tgt Ion: 82 Resp: 87710

Ion Ratio Lower Upper

82 100

128 48.3 34.0 51.0

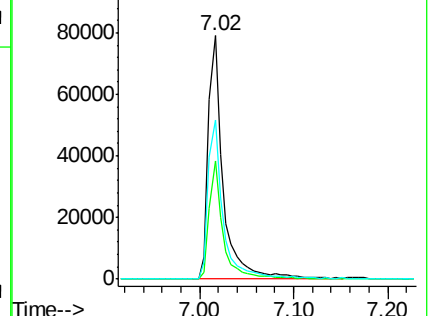
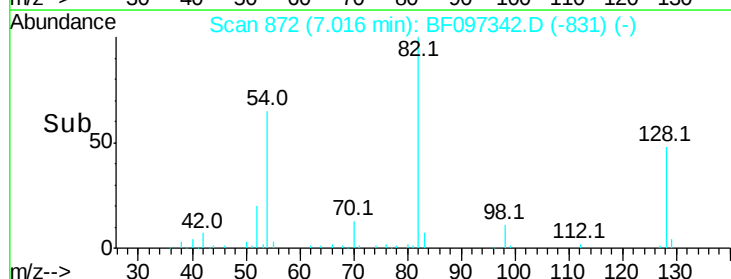
54 65.4 42.2 63.2#

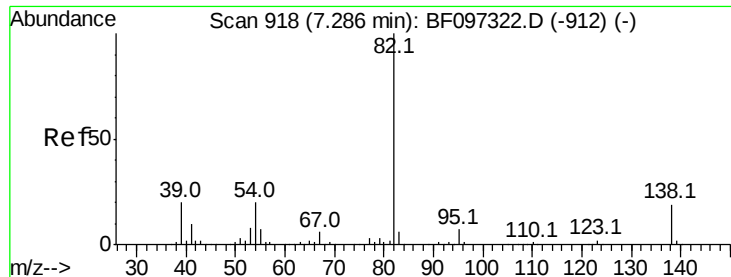


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.427 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-E

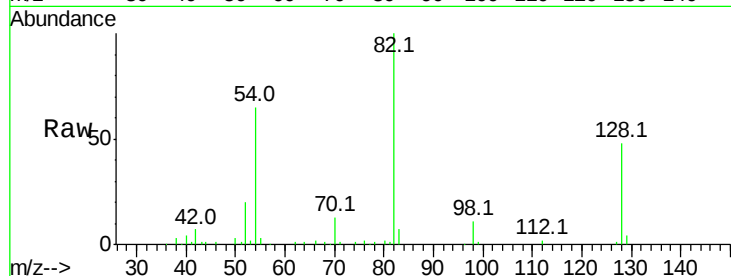
Tot Ion: 82 Resp: 87709

Ion Ratio Lower Upper

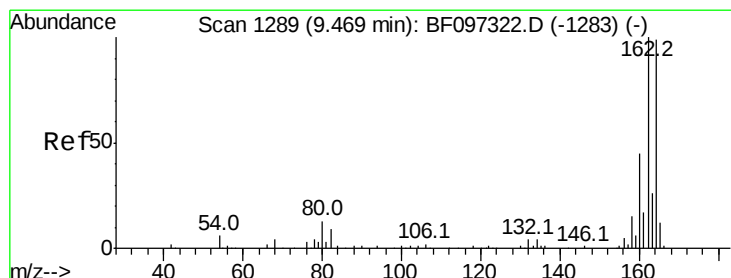
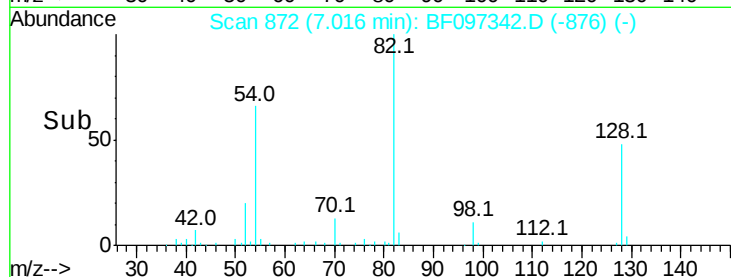
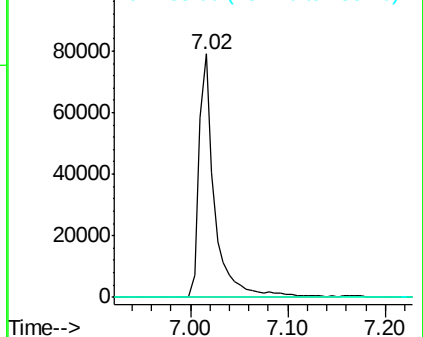
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.47 min Scan# 1289

Delta R.T. -0.06 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

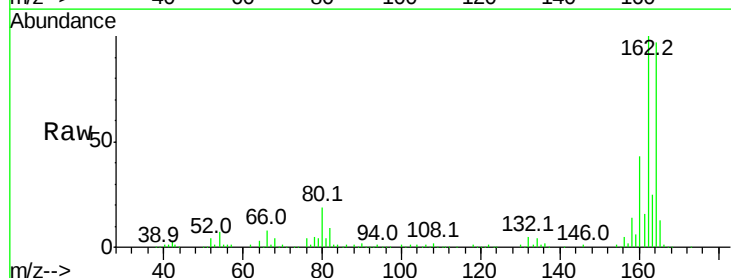
Tgt Ion:164 Resp: 127632

Ion Ratio Lower Upper

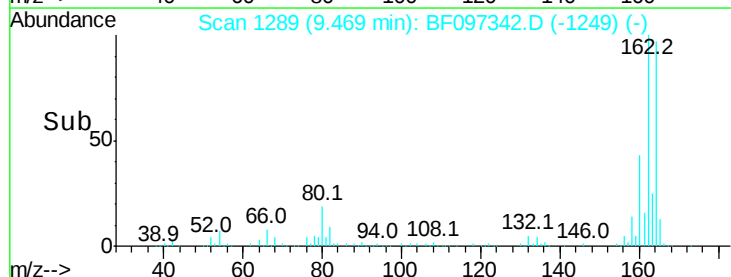
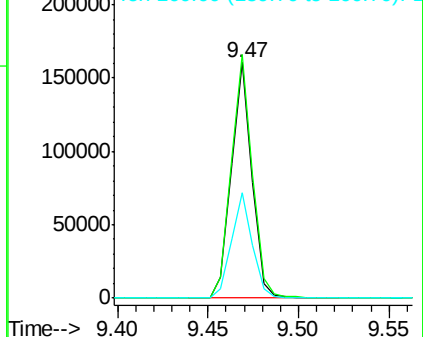
164 100

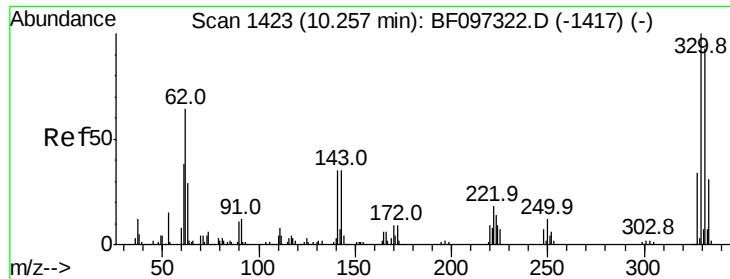
162 103.2 82.6 123.8

160 44.6 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

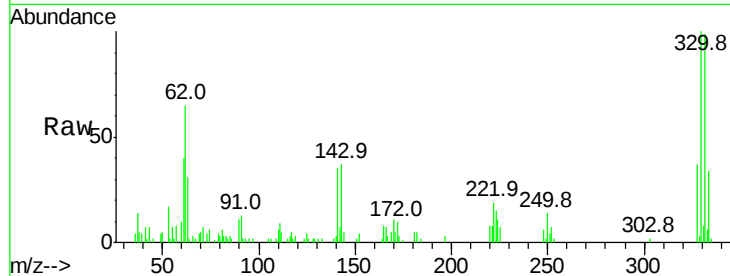




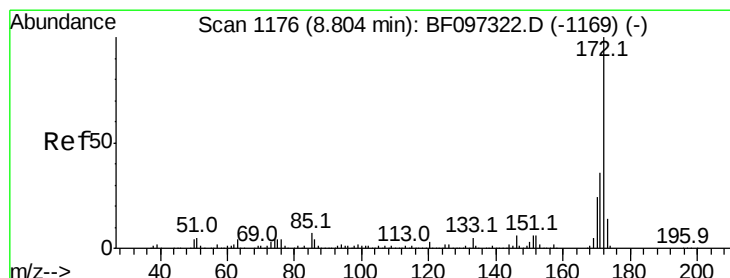
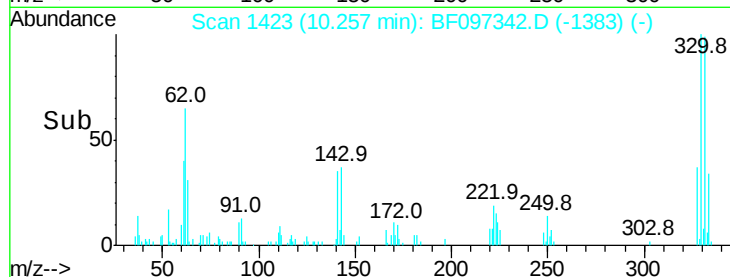
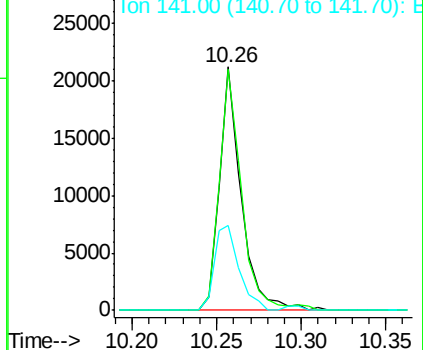
#41
 2,4,6-Tribromophenol
 Concen: 19.088 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-E

Tot Ion:330 Resp: 19249
 Ion Ratio Lower Upper
 330 100
 332 100.9 76.6 115.0
 141 39.2 31.4 47.2

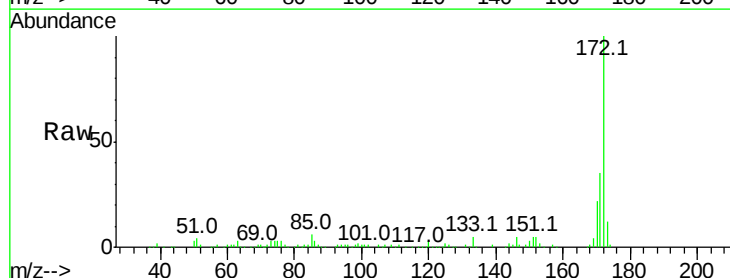


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

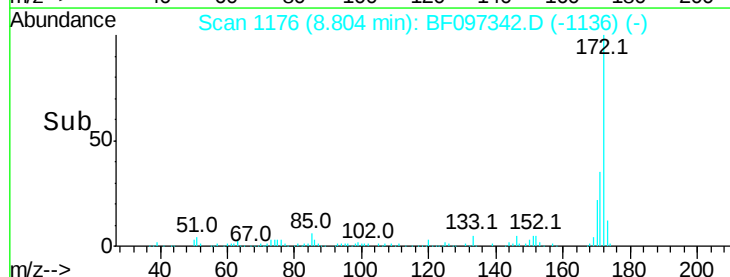
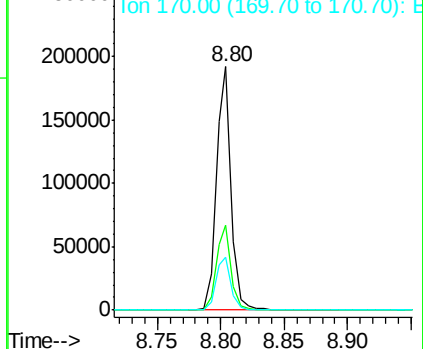


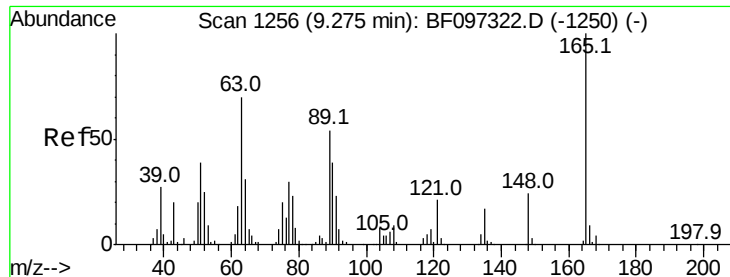
#44
 2-Fluorobiphenyl
 Concen: 20.891 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Tgt Ion:172 Resp: 157114
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 21.8 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

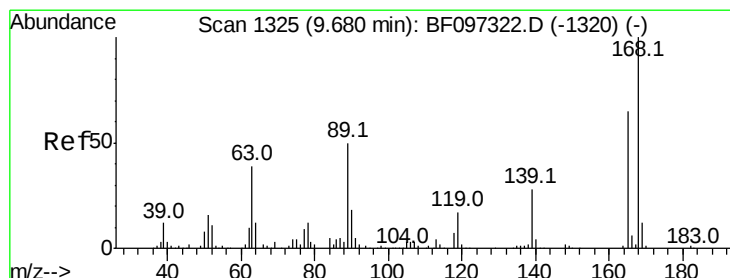
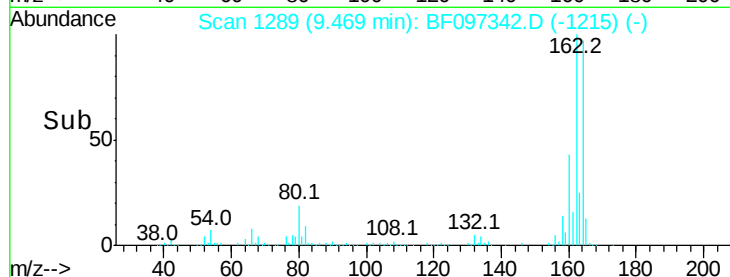
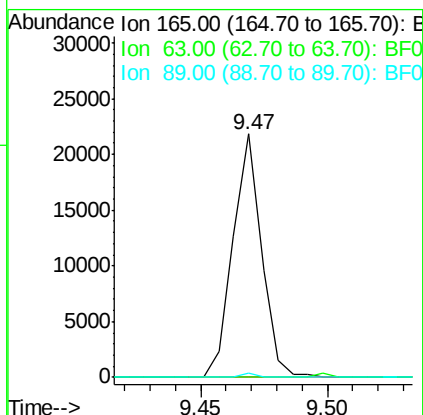
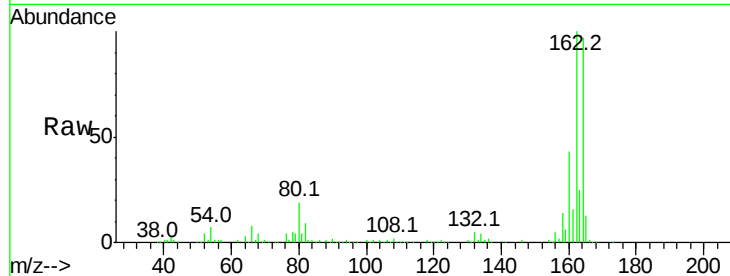




#50
 2,6-Dinitrotoluene
 Concen: 8.326 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. 0.14 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

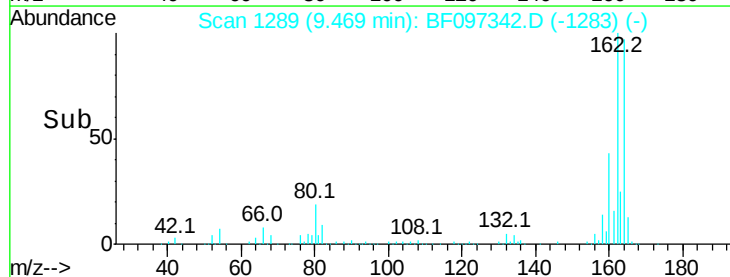
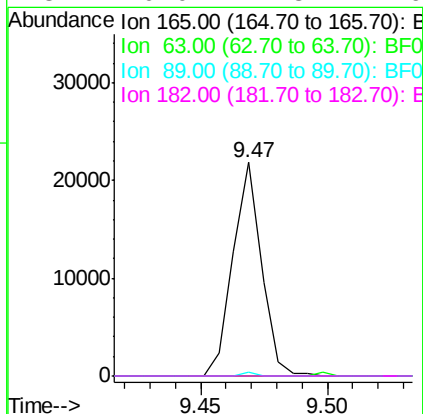
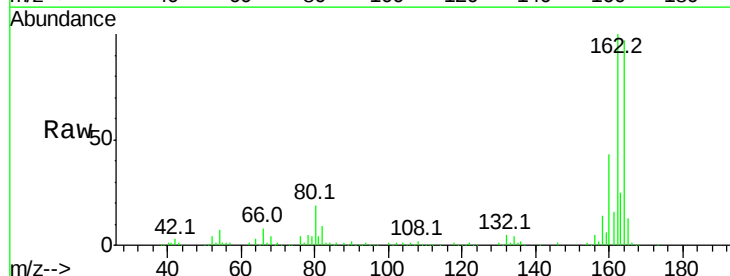
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-E

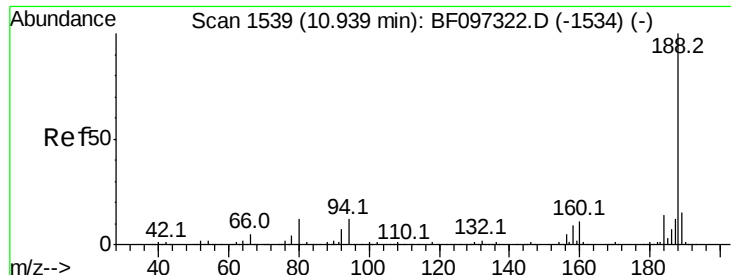
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.6	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.243 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.26 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

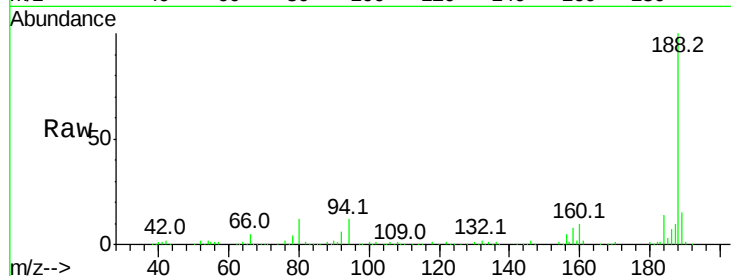




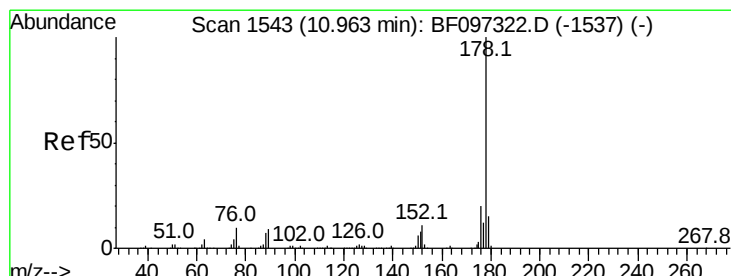
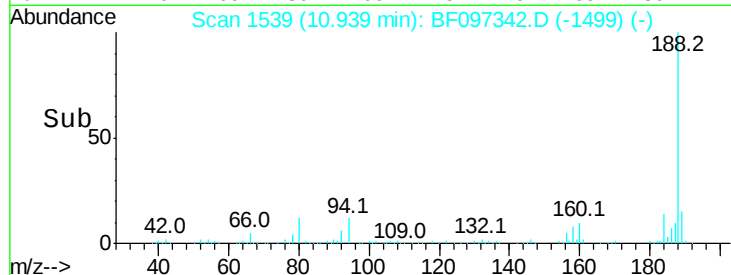
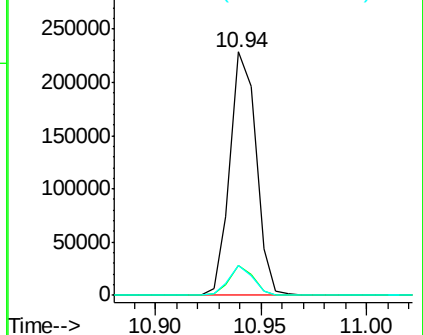
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	12.3	10.2	15.2

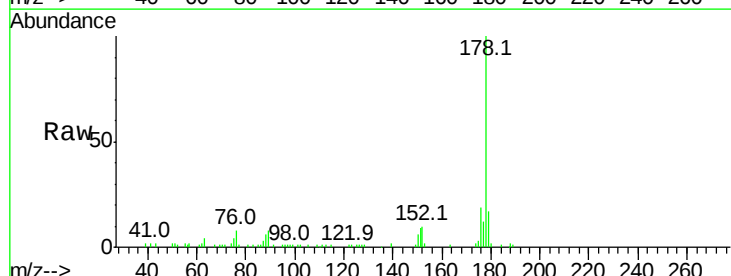


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

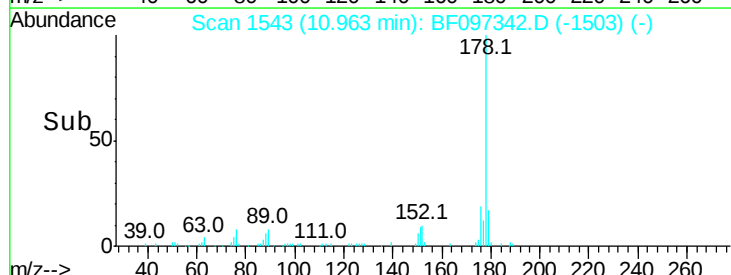
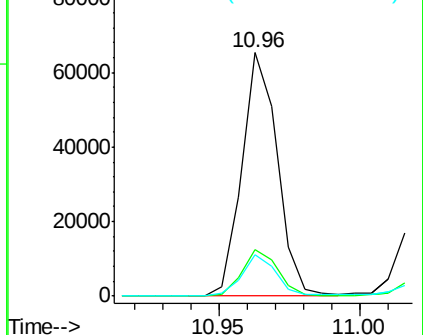


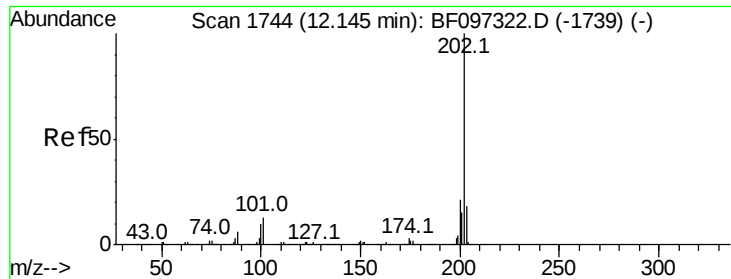
#70
Phenanthrene
Concen: 5.415 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	17.0	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: 7.233 ng

RT: 12.15 min Scan# 1744

Delta R.T. -0.06 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-E

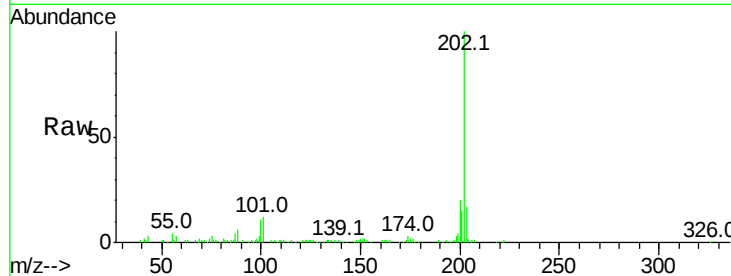
Tot Ion:202 Resp: 74732

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

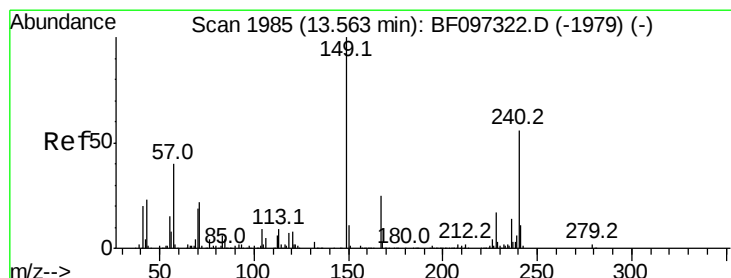
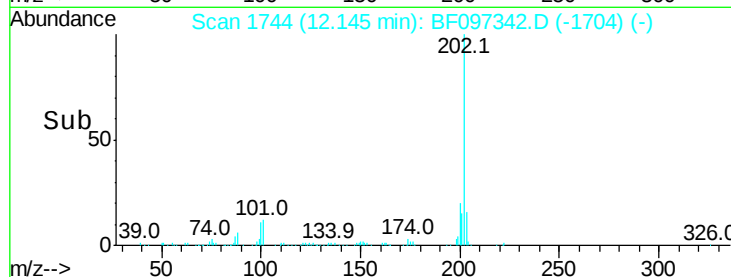
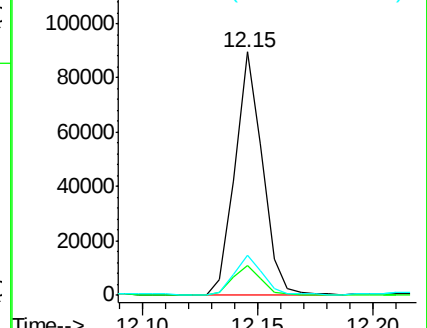
203 16.6 0.0 38.1



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: 13.56 min Scan# 1985

Delta R.T. -0.06 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

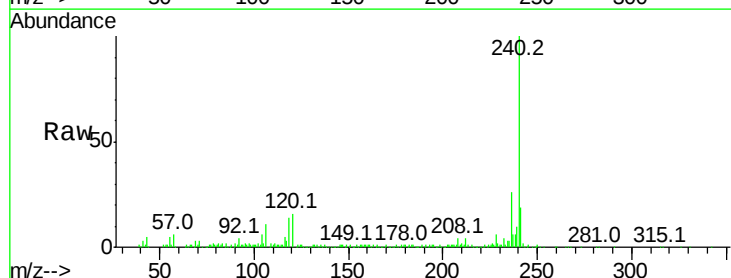
Tgt Ion:240 Resp: 163015

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

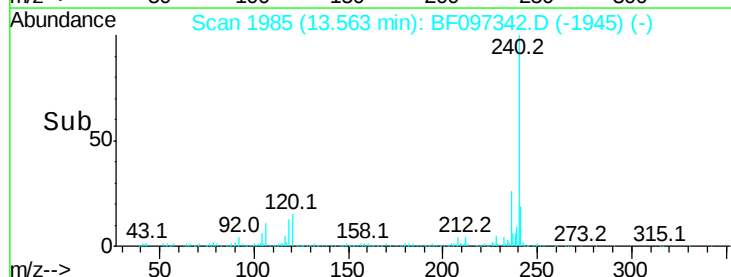
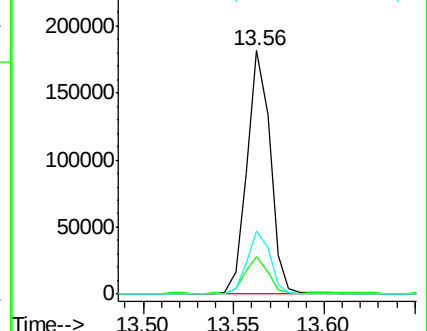
236 26.1 20.5 30.7

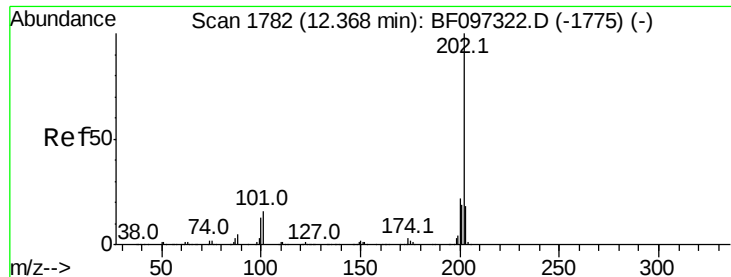


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.356 ng

RT: 12.37 min Scan# 1782

Delta R.T. -0.06 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-E

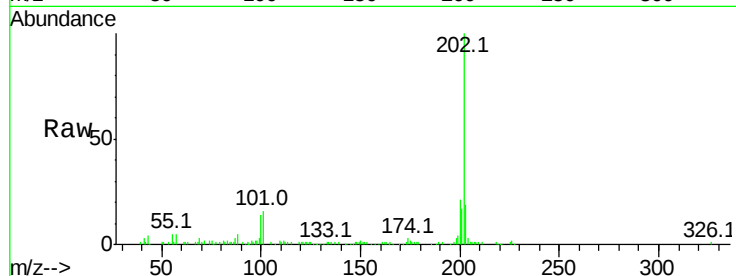
Tot Ion:202 Resp: 71473

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

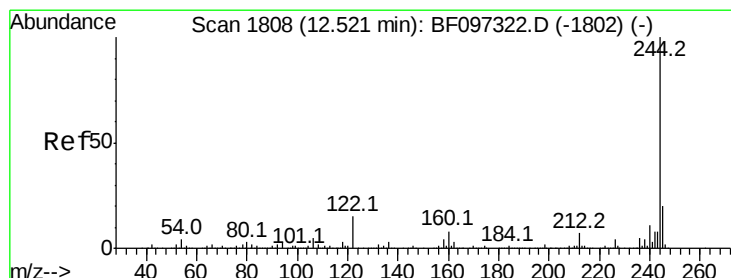
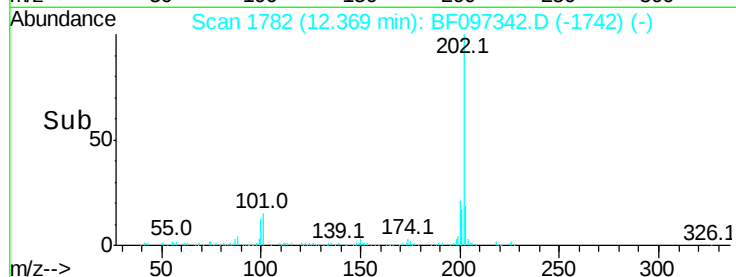
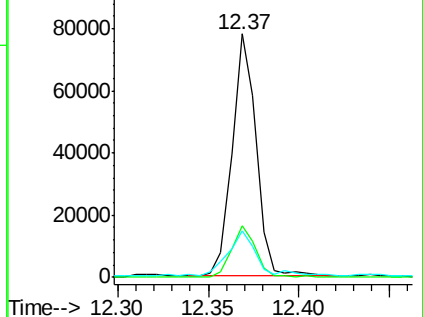
203 18.9 14.4 21.6



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: 13.976 ng

RT: 12.52 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

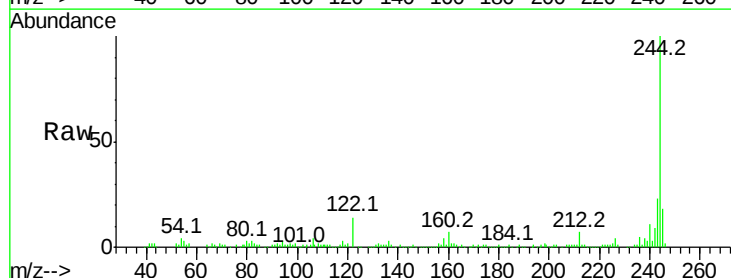
Tgt Ion:244 Resp: 111746

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

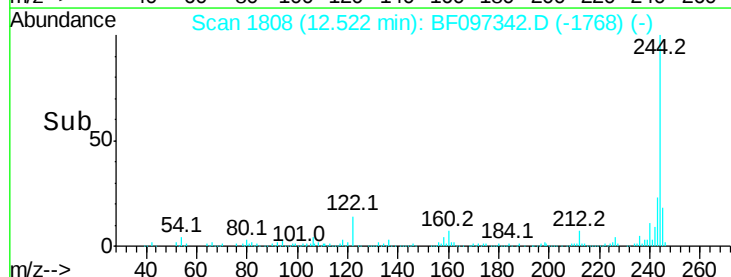
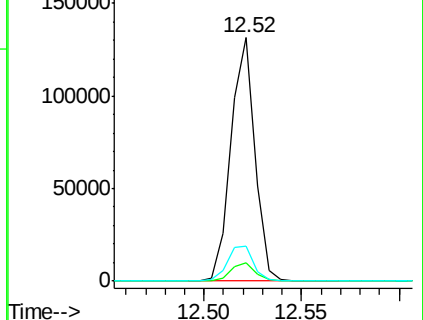
122 14.2 10.3 15.5

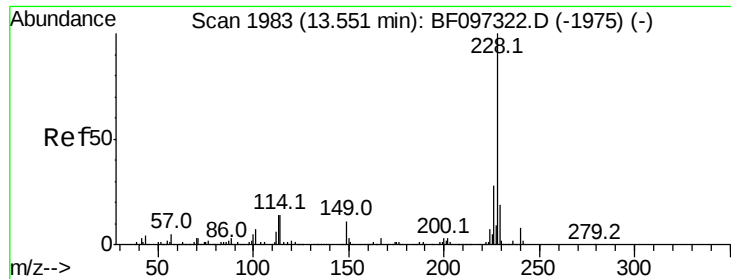


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

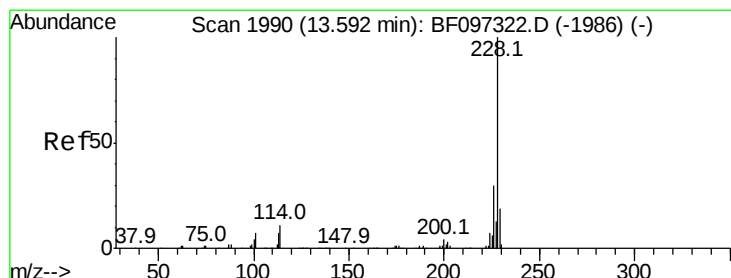
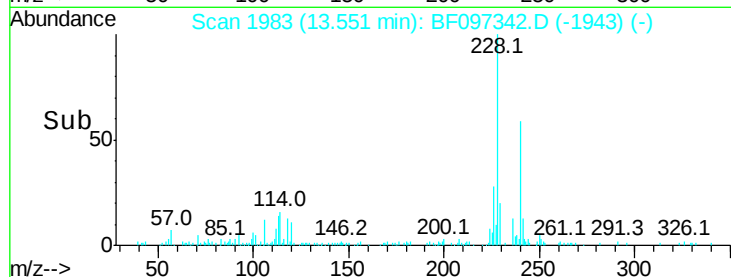
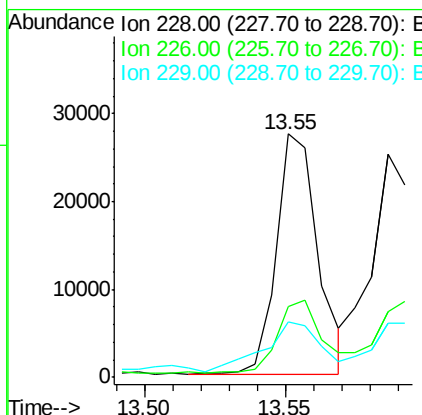
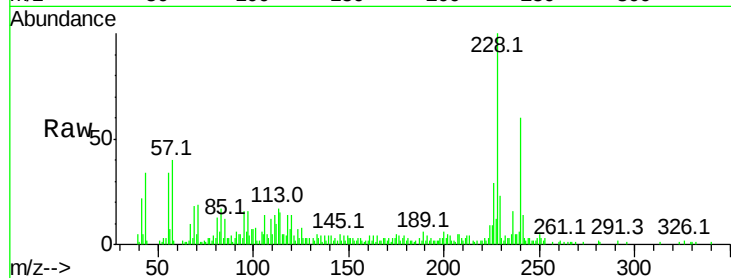




#80
Benzo(a)anthracene
Concen: 2.651 ng
RT: 13.55 min Scan# 1983
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

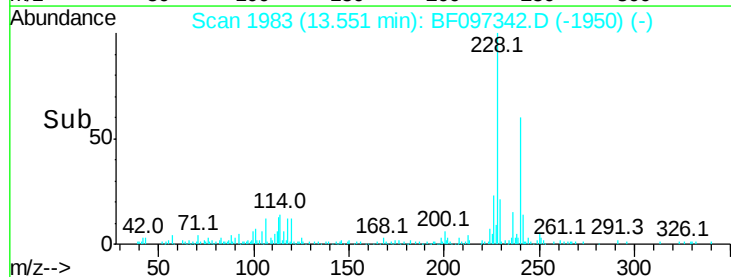
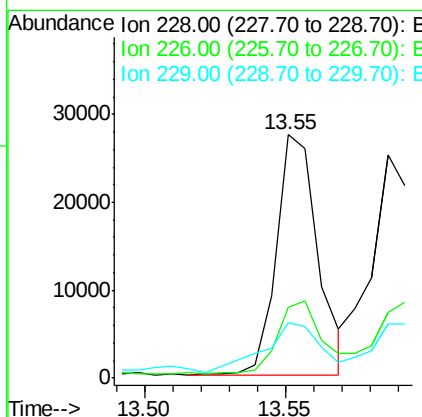
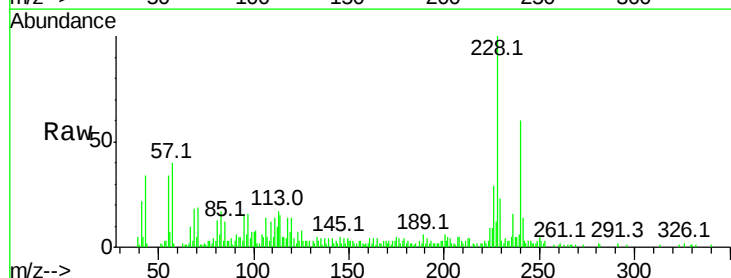
Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

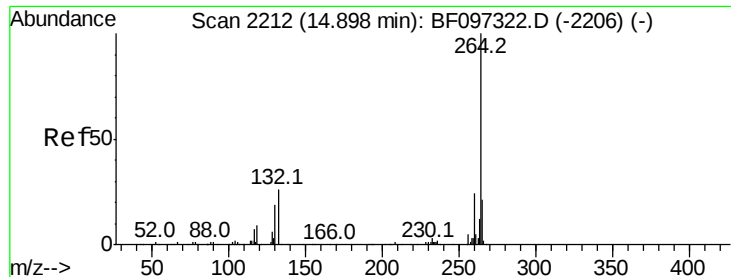
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	22.6	16.3	24.5



#82
Chrysene
Concen: 2.722 ng
RT: 13.55 min Scan# 1983
Delta R.T. -0.11 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	22.6	15.8	23.6

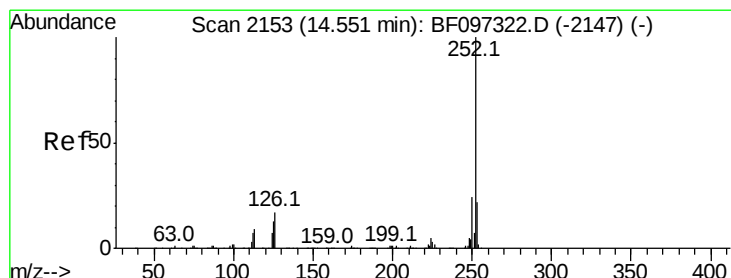
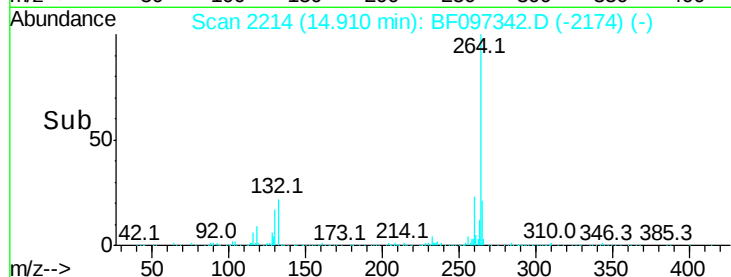
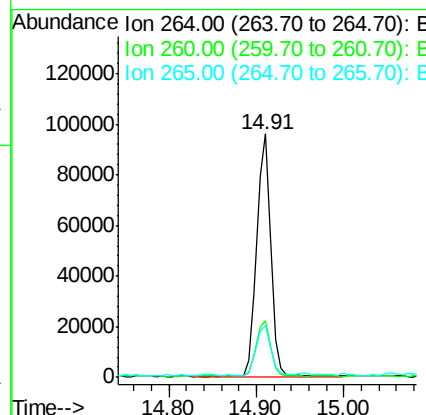
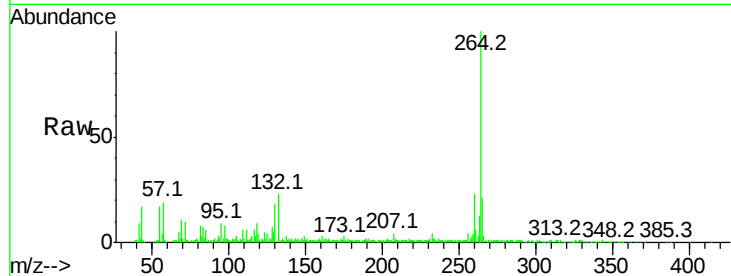




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

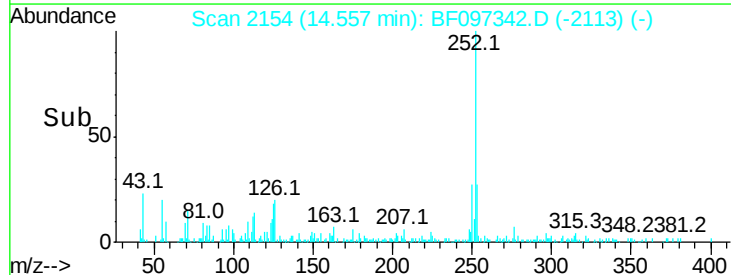
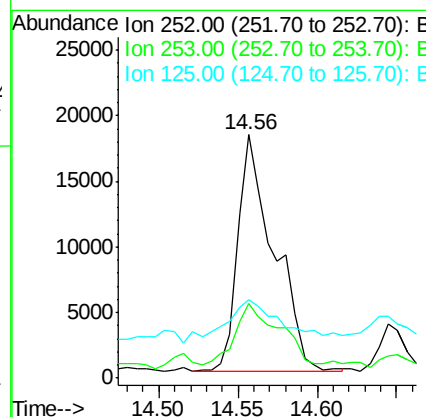
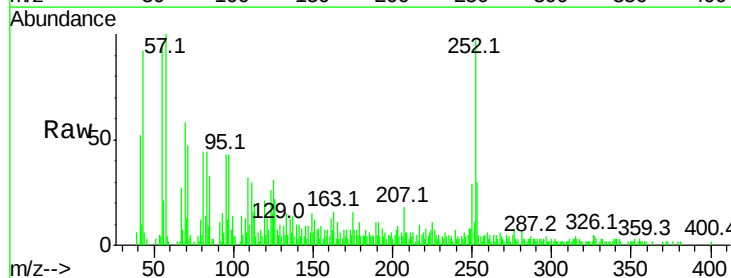
Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

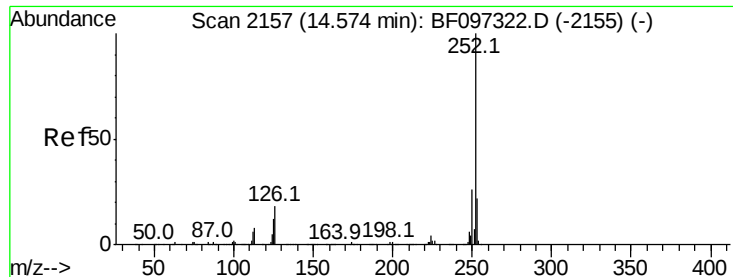
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 4.423 ng
RT: 14.56 min Scan# 2154
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.1	27.1#
125	32.0	9.8	14.8#

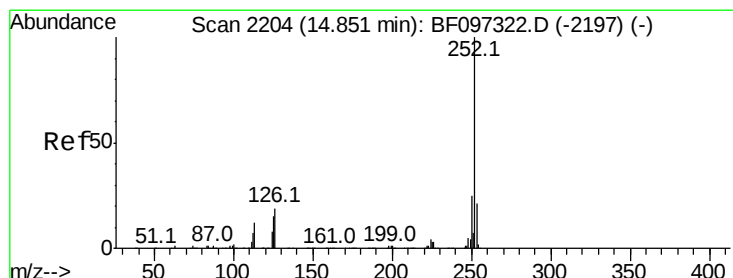
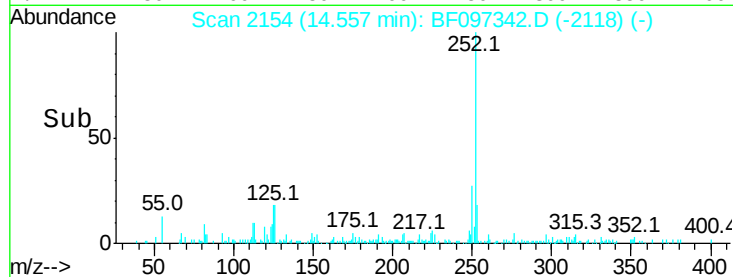
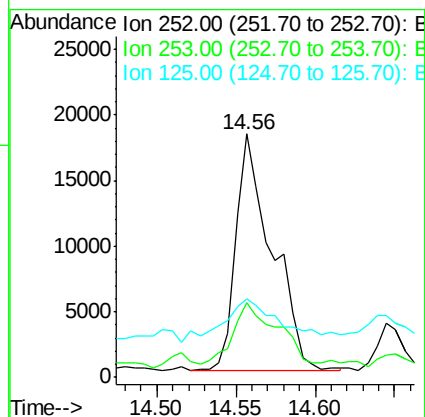
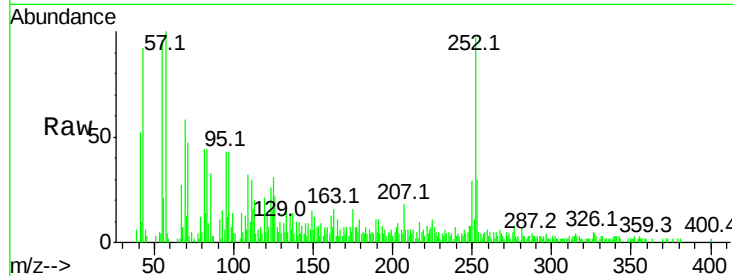




#88
Benzo(k)fluoranthene
Concen: 4.642 ng
RT: 14.56 min Scan# 2154
Delta R.T. -0.09 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.4	27.6#
125	32.0	13.1	19.7#



#89
Benzo(a)pyrene
Concen: 2.734 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.5	26.3#
125	33.8	11.0	16.4#

