

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097781.D
 Acq On : 17 Aug 2017 11:29
 Operator : SJ/JU
 Sample : I4797-03 10X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-NSW

Quant Time: Aug 17 14:57:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

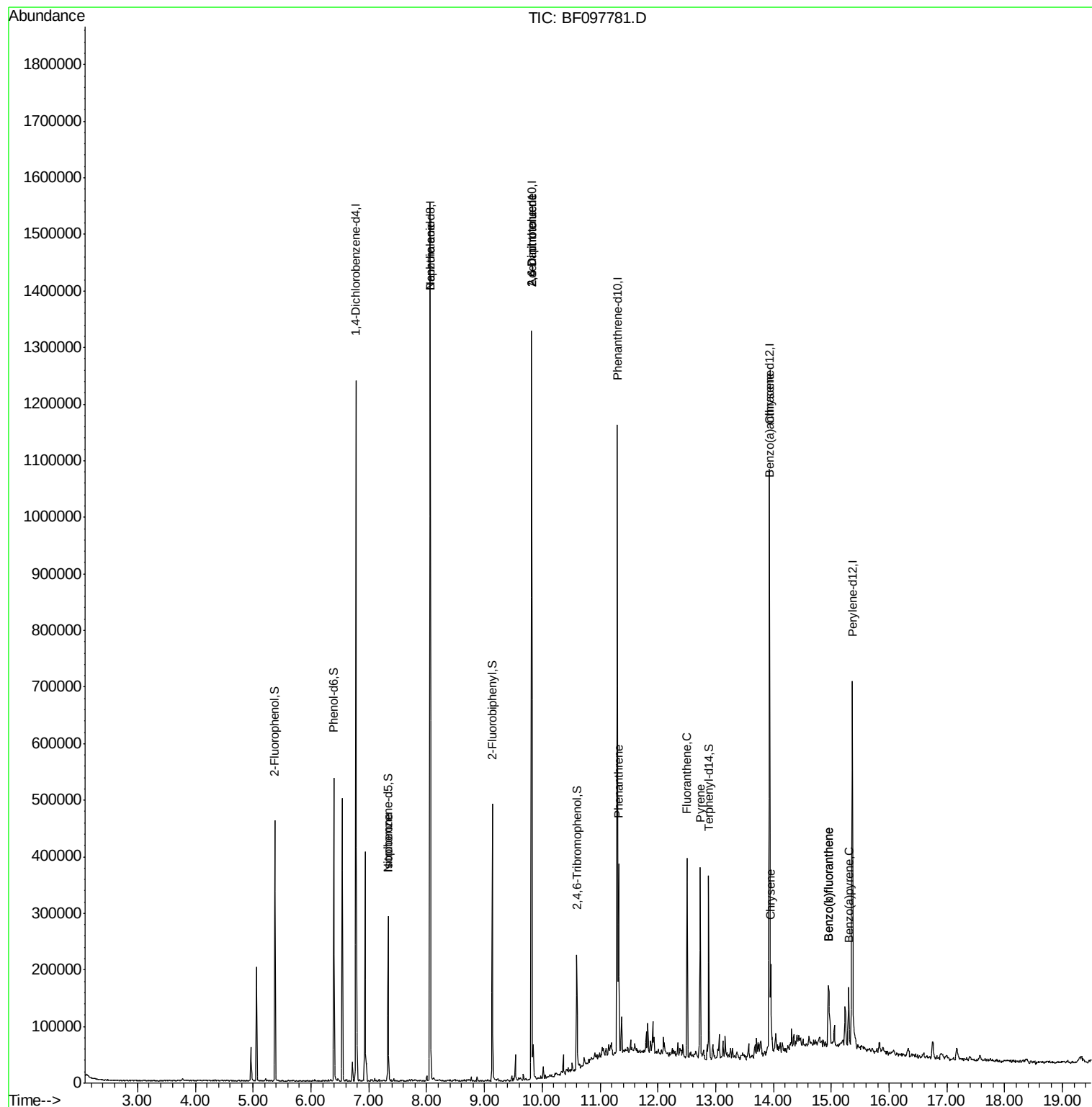
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	163008	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	598027	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	236605	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	360782	20.00	ng	0.00
75) Chrysene-d12	13.93	240	313429	20.00	ng	0.00
86) Perylene-d12	15.36	264	270643	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	115457	10.77	ng	-0.01
7) Phenol-d6	6.40	99	155131	10.65	ng	-0.01
23) Nitrobenzene-d5	7.33	82	91164	8.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	16720	8.14	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	146909	9.12	ng	-0.01
78) Terphenyl-d14	12.88	244	80040	5.33	ng	-0.01
Target Compounds						
25) Isophorone	7.33	82	91018	3.976	ng	# 67
32) Benzoic acid	8.06	122	113	6.418	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	30266	8.767	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	30266	6.986	ng	# 33
70) Phenanthrene	11.32	178	102581	5.336	ng	98
74) Fluoranthene	12.50	202	132489	6.603	ng	98
77) Pyrene	12.73	202	125503	4.896	ng	96
80) Benzo(a)anthracene	13.92	228	62594	3.332	ng	96
82) Chrysene	13.96	228	51737	2.769	ng	97
87) Benzo(b)fluoranthene	14.95	252	78463	4.599	ng	99
88) Benzo(k)fluoranthene	14.95	252	78463	4.896	ng	# 95
89) Benzo(a)pyrene	15.30	252	42253	2.798	ng	96

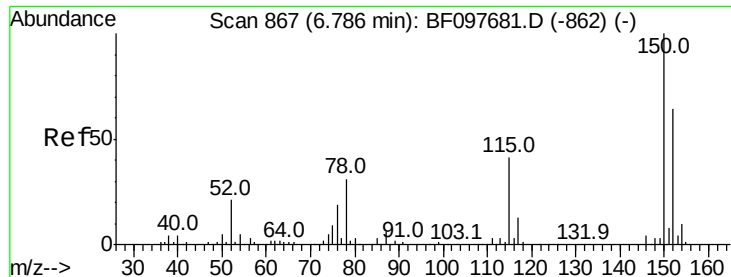
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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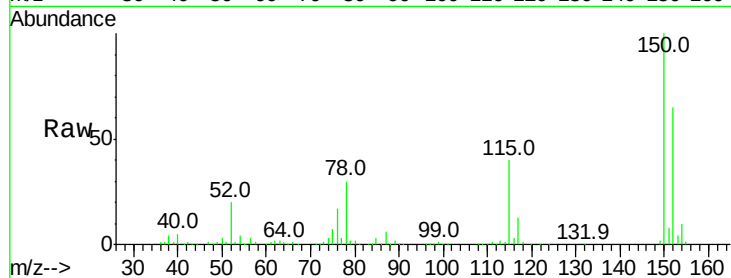


#1

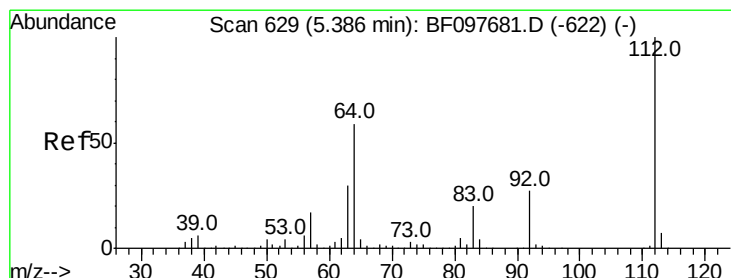
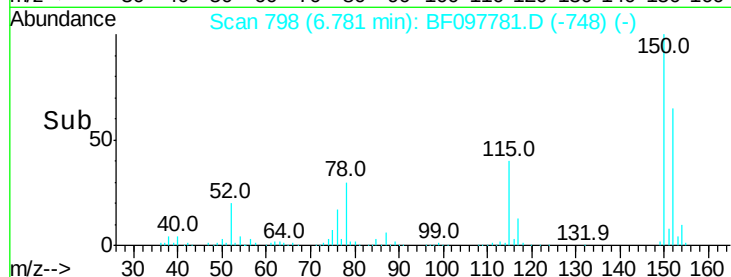
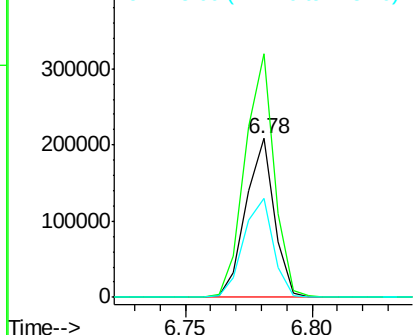
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Instrument :
BNA_F
ClientSampleId :
E2-J9-NSW

Tot Ion:152 Resp: 163008
Ion Ratio Lower Upper
152 100
150 153.5 126.2 189.2
115 62.1 52.2 78.2



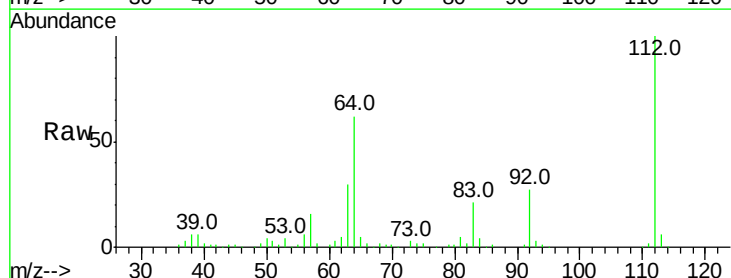
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



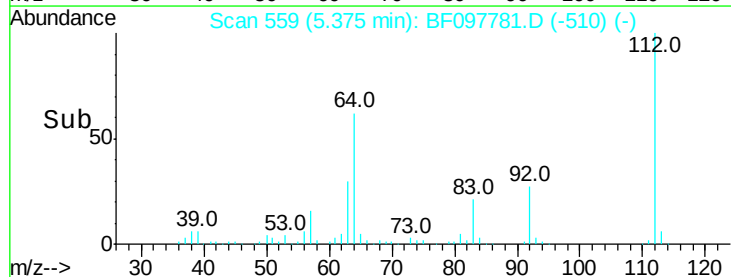
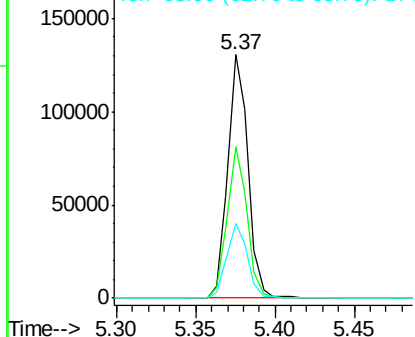
#5

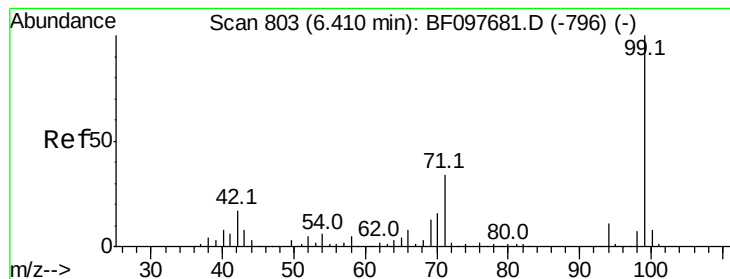
2-Fluorophenol
Concen: 10.774 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Tgt Ion:112 Resp: 115457
Ion Ratio Lower Upper
112 100
64 62.5 46.0 69.0
63 30.5 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: 10.654 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampled :

E2-J9-NSW

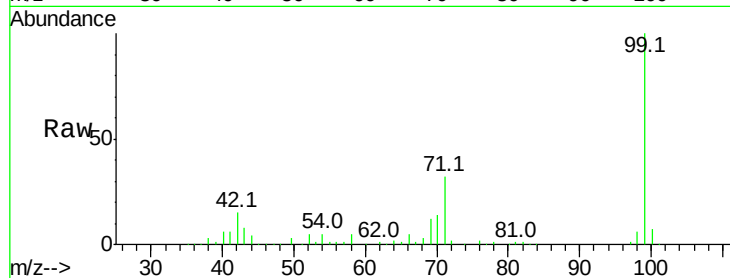
Tot Ion: 99 Resp: 155131

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

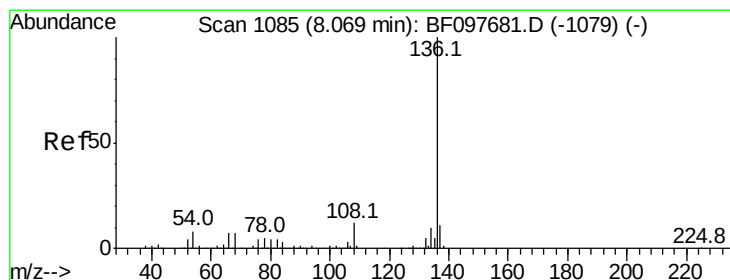
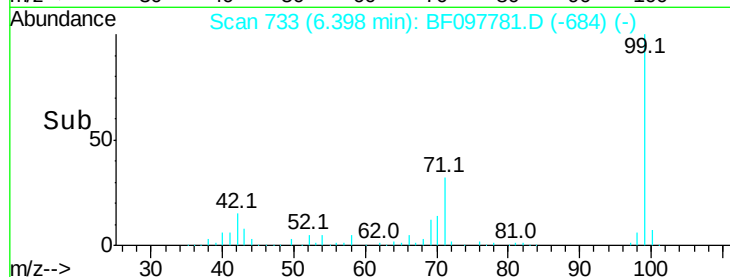
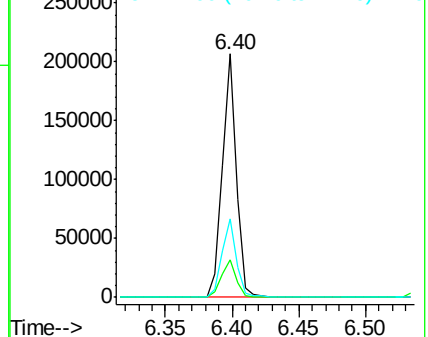
71 32.1 24.5 36.7



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: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Tgt Ion: 136 Resp: 598027

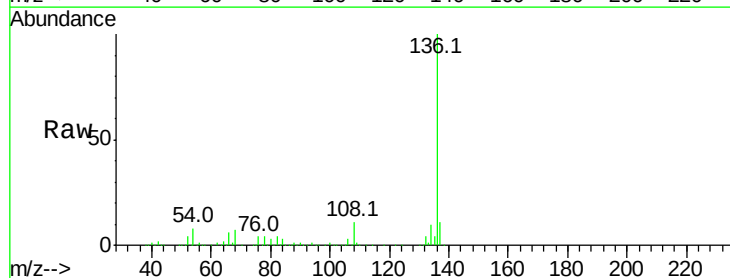
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.6 4.9 7.3#

68 7.4 4.1 6.1#

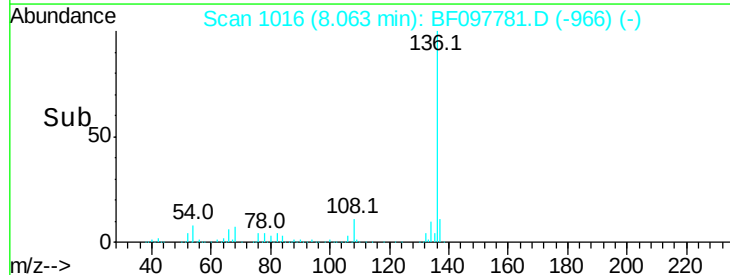
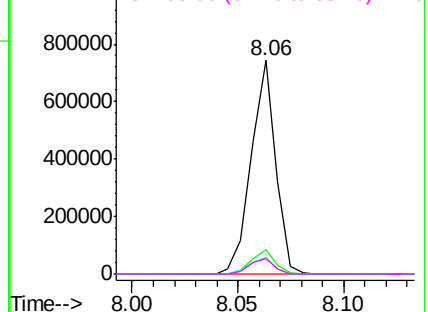


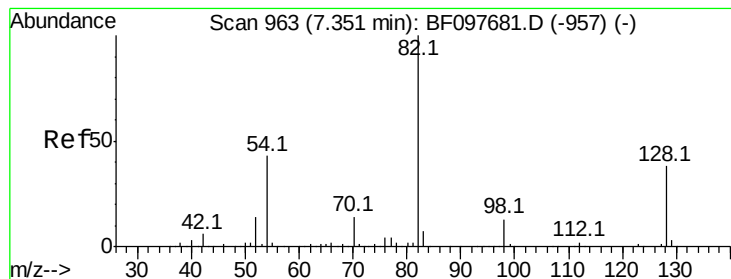
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.281 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

E2-J9-NSW

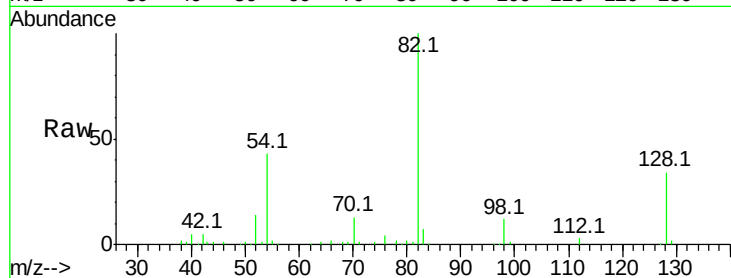
Tot Ion: 82 Resp: 91164

Ion Ratio Lower Upper

82 100

128 34.3 34.0 51.0

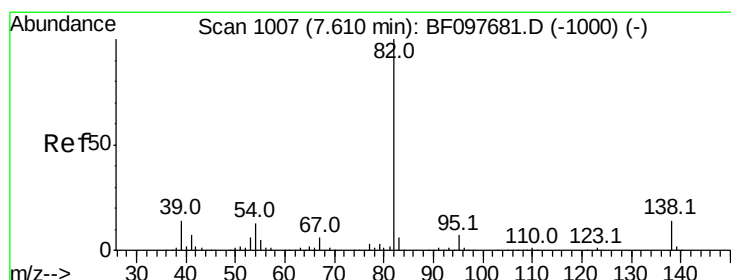
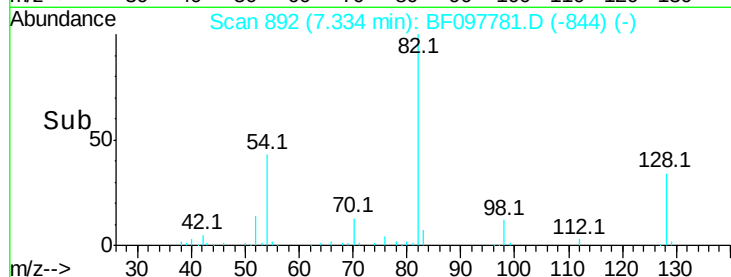
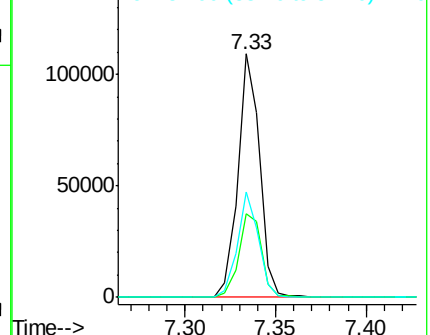
54 43.4 42.2 63.2



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



#25

Isophorone

Concen: 3.976 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

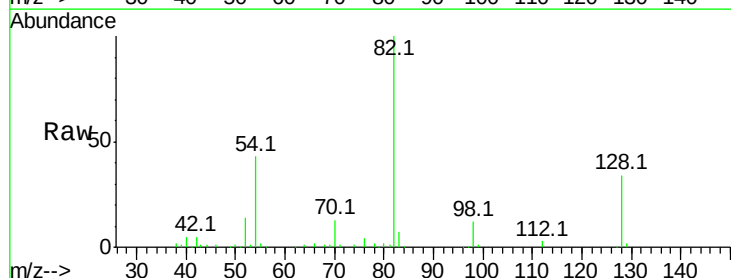
Tgt Ion: 82 Resp: 91018

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

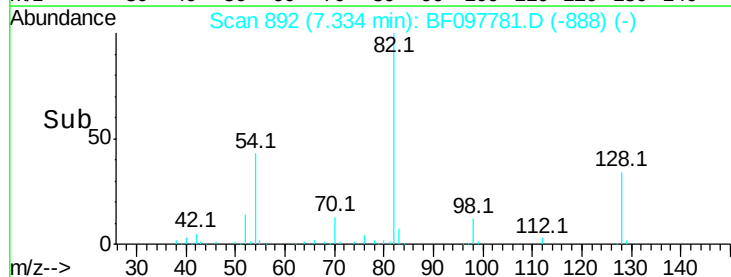
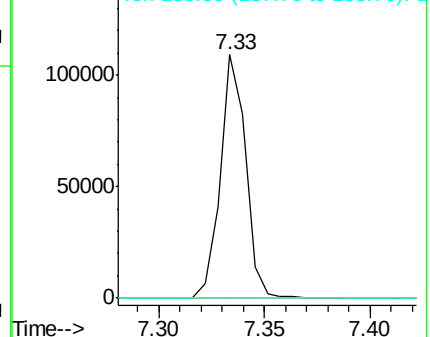
138 0.0 13.1 19.7#

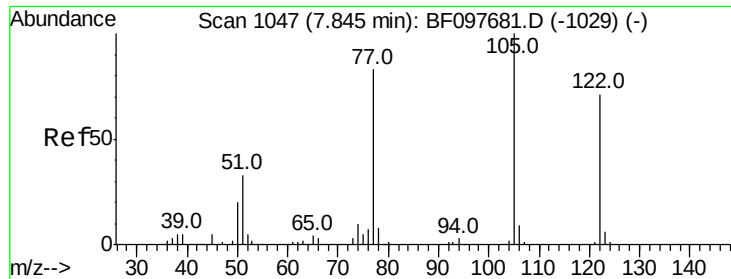


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 6.418 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.22 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

E2-J9-NSW

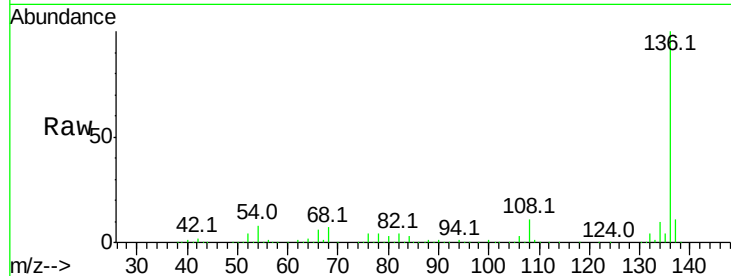
Tot Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 236.6 103.3 143.3#

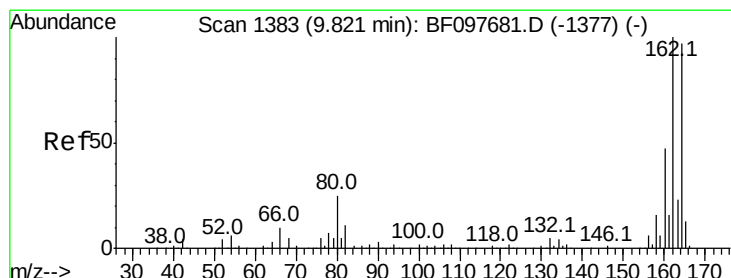
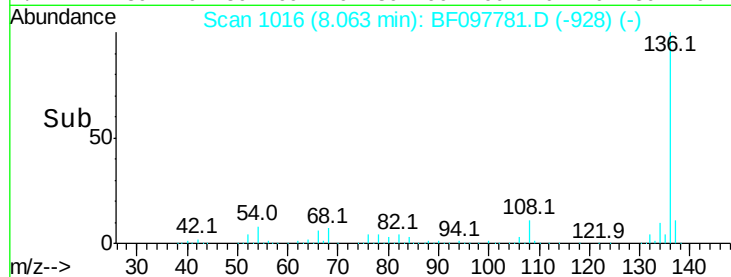
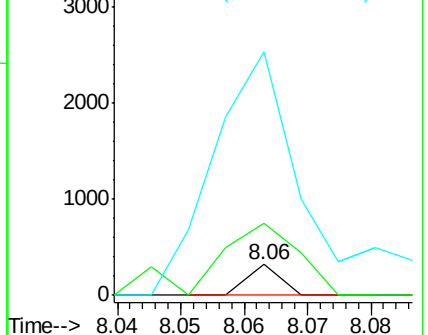
77 793.1 73.7 113.7#



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: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

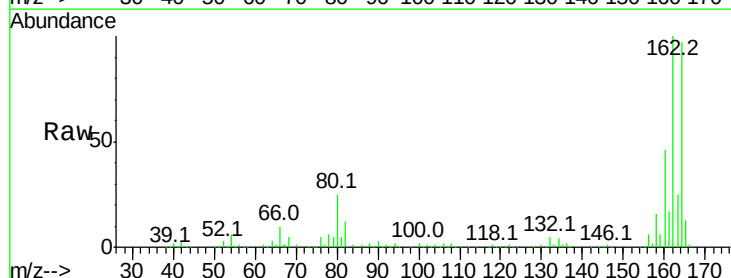
Tgt Ion:164 Resp: 236605

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

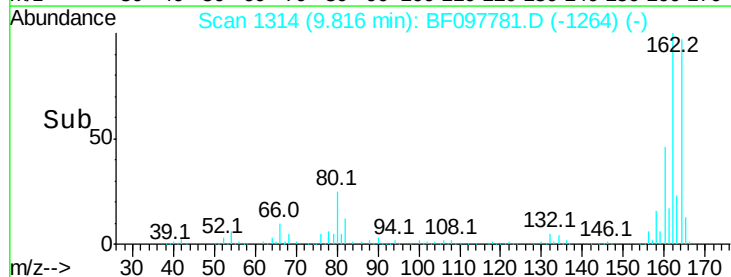
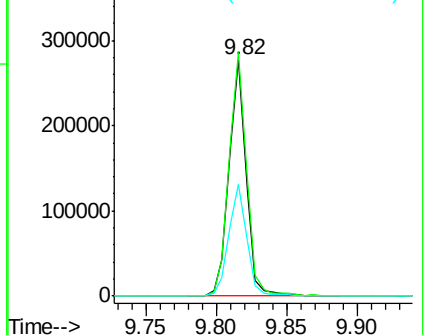
160 47.2 36.2 54.2

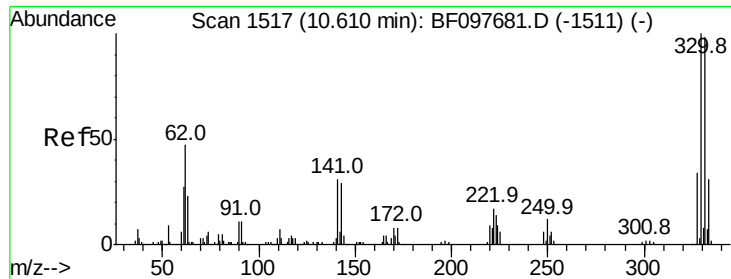


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

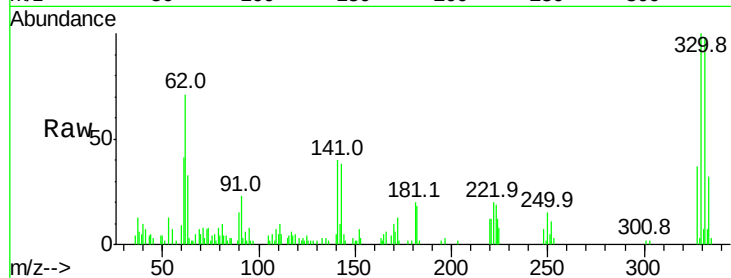




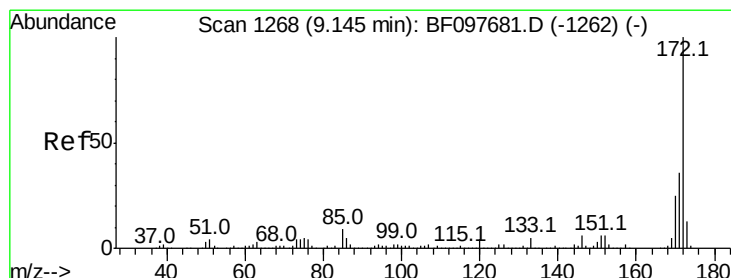
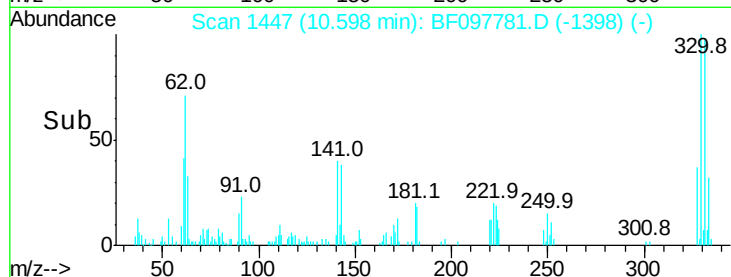
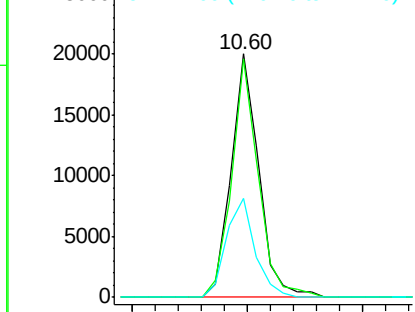
#41
 2,4,6-Tribromophenol
 Concen: 8.144 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-NSW

Tot Ion:330 Resp: 16720
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 115.0
 141 41.7 31.4 47.2

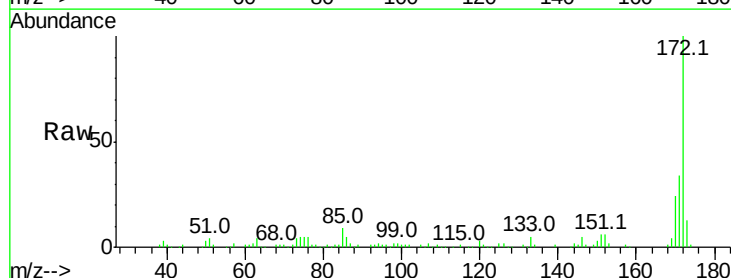


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

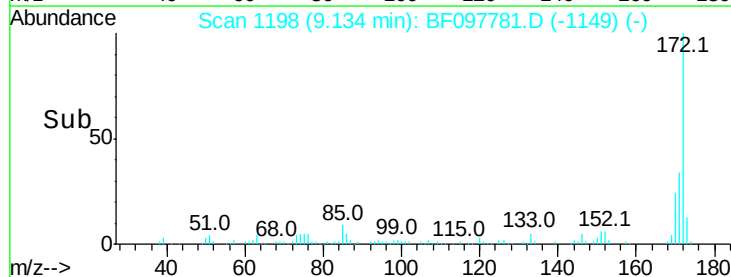
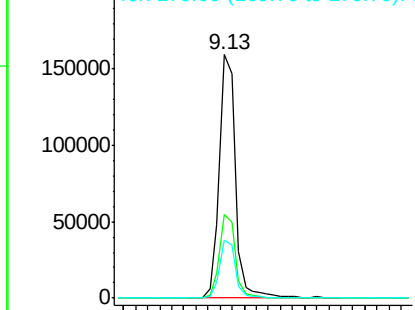


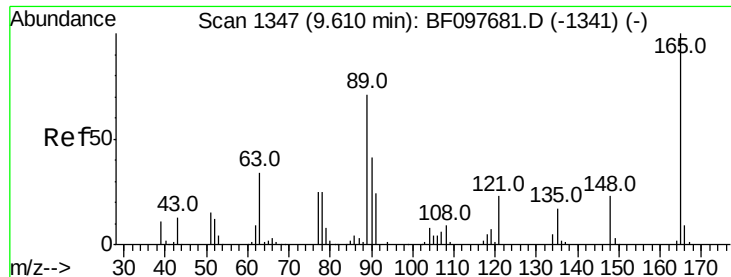
#44
 2-Fluorobiphenyl
 Concen: 9.122 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Tgt Ion:172 Resp: 146909
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.6 44.4
 170 23.8 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

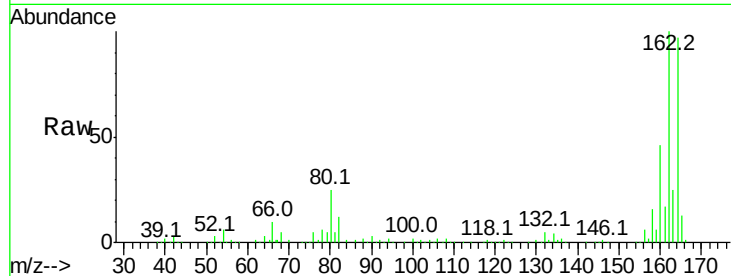




#50
 2,6-Dinitrotoluene
 Concen: 8.767 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-NSW

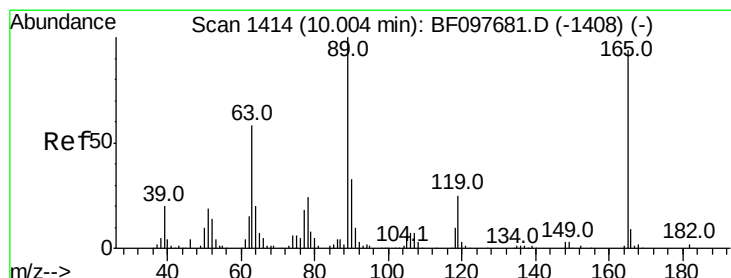
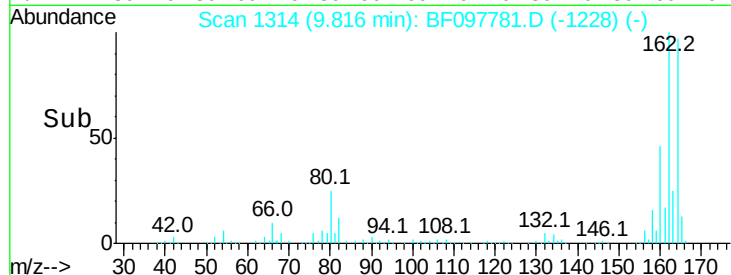
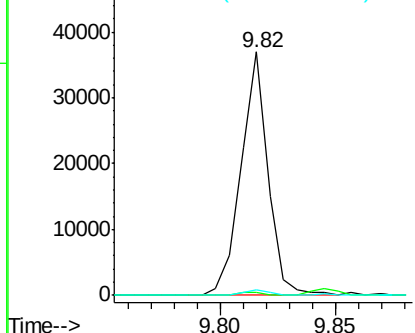
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	2.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.986 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

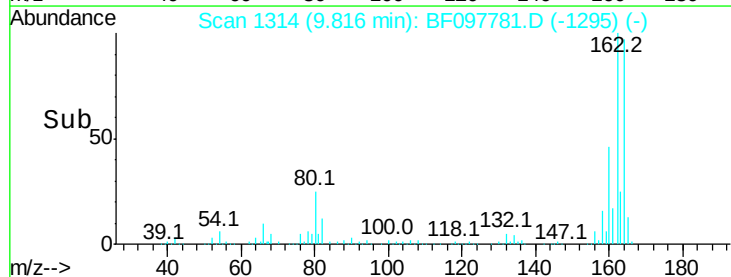
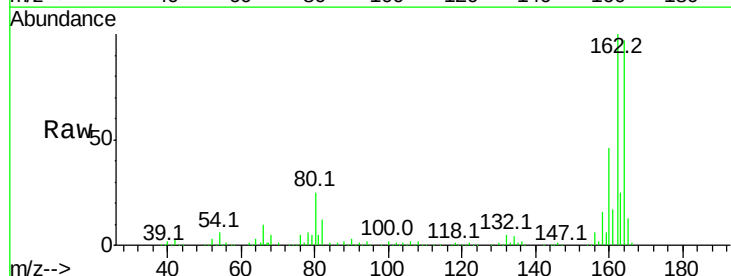
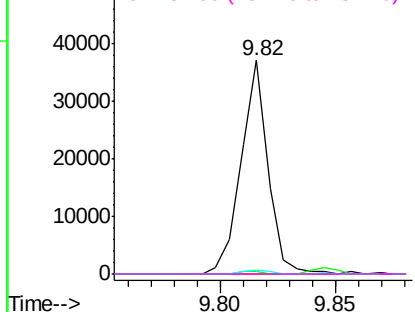
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#

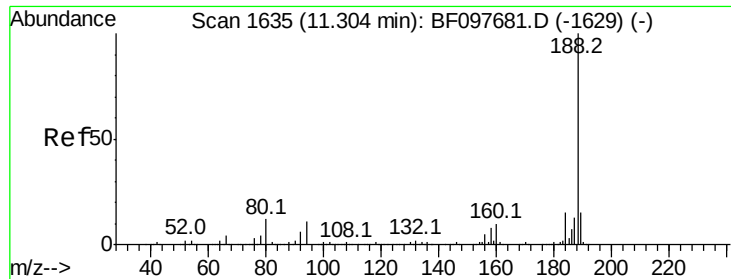
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

E2-J9-NSW

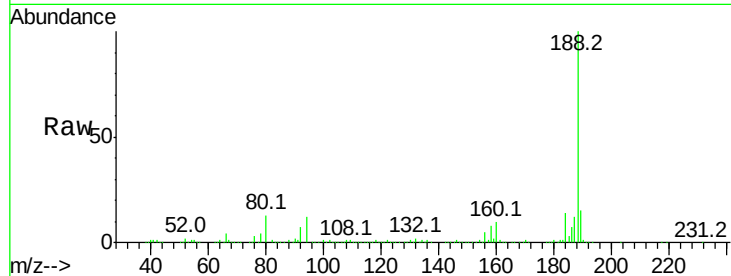
Tot Ion:188 Resp: 360782

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

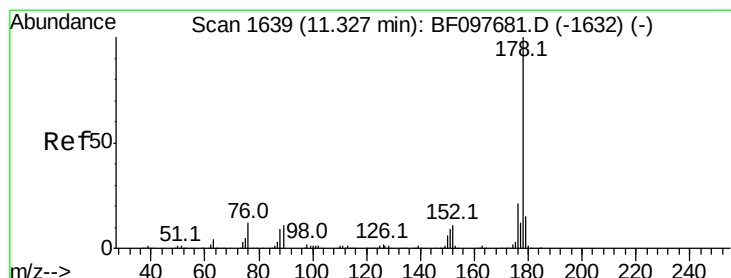
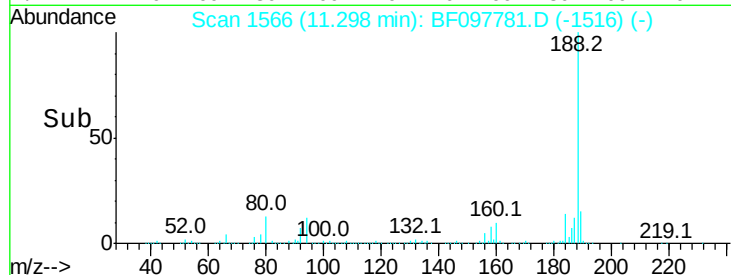
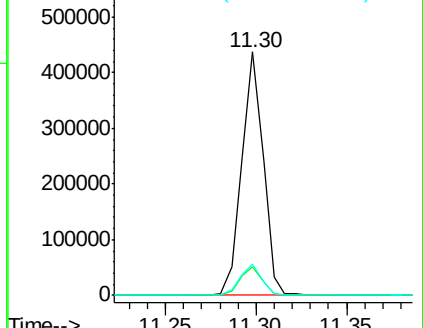
80 12.8 10.2 15.2



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: 5.336 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

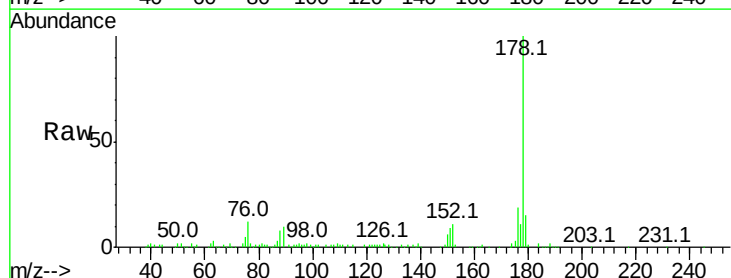
Tgt Ion:178 Resp: 102581

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

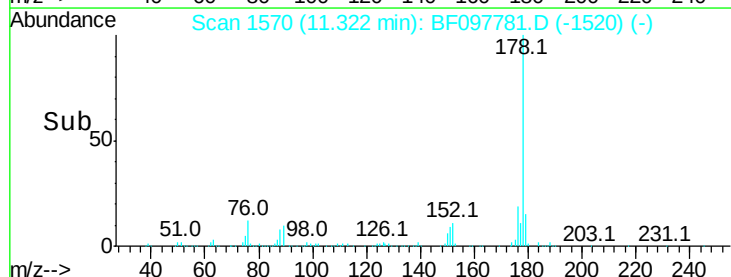
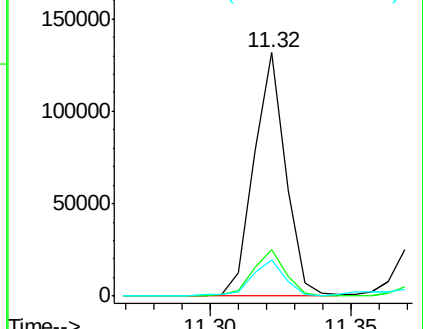
179 14.6 12.6 19.0

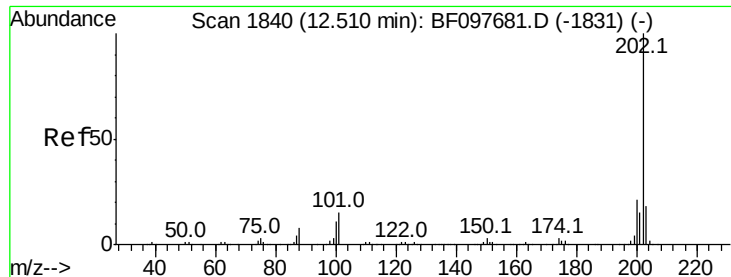


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.603 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

E2-J9-NSW

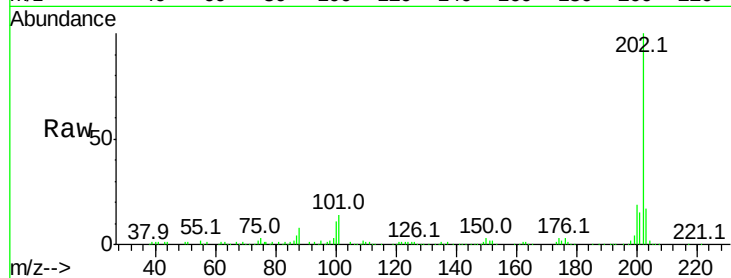
Tot Ion:202 Resp: 132489

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

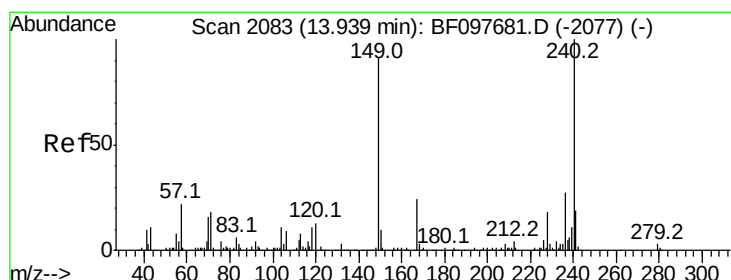
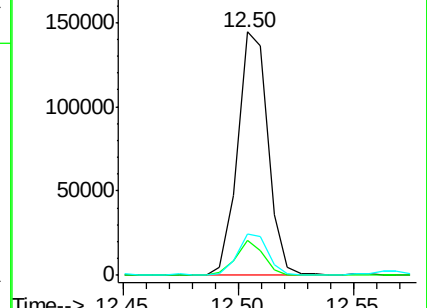
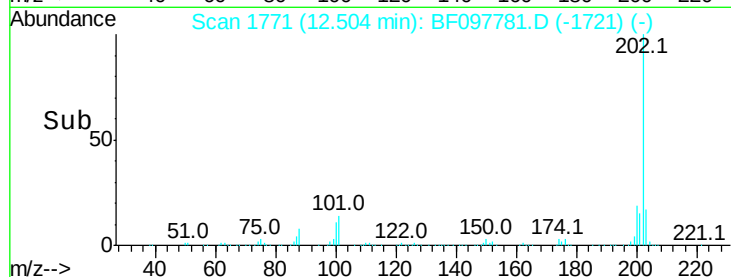
203 17.2 0.0 38.1



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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

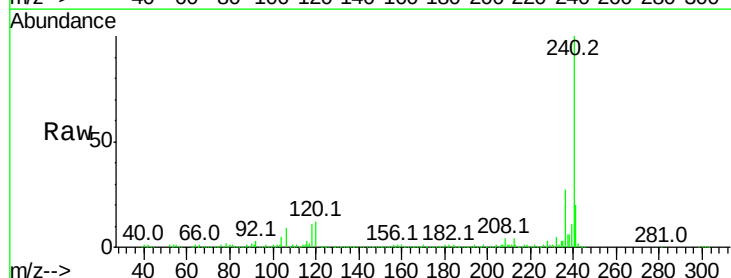
Tgt Ion:240 Resp: 313429

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

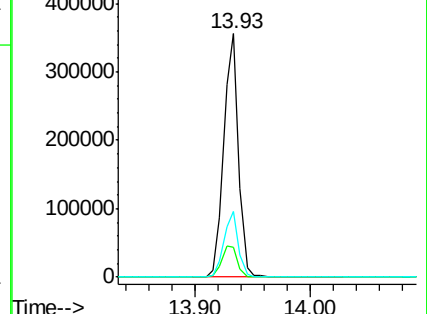
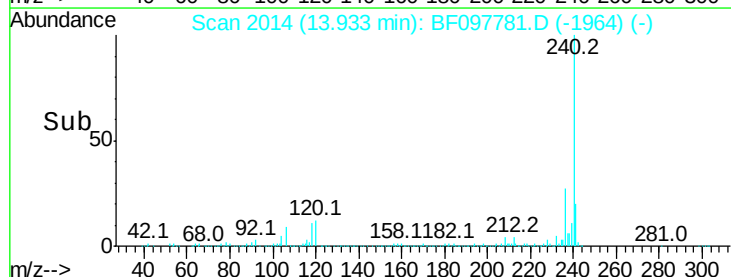
236 27.0 20.5 30.7

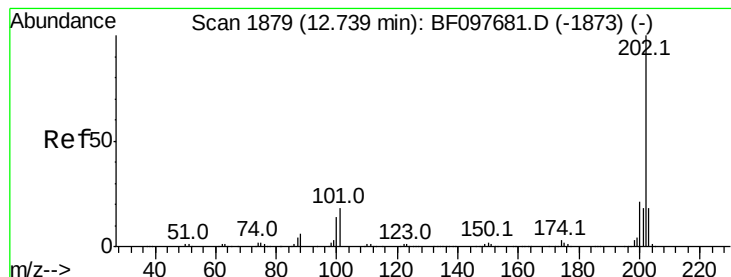


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.896 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

E2-J9-NSW

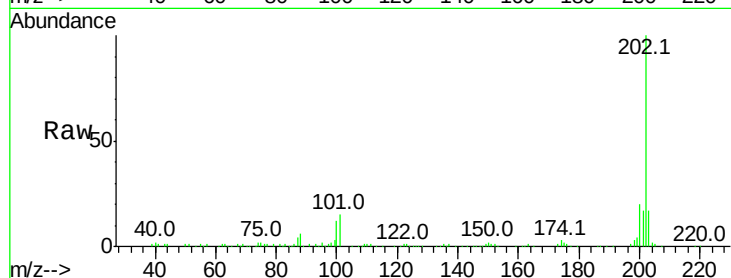
Tot Ion:202 Resp: 125503

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

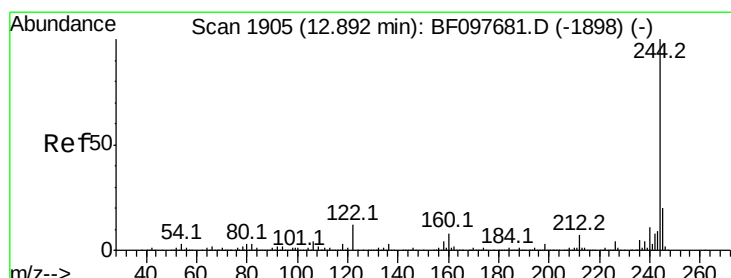
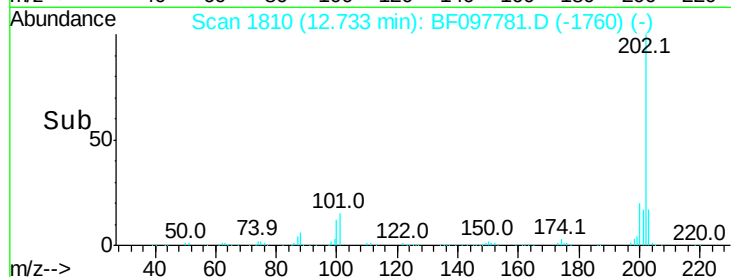
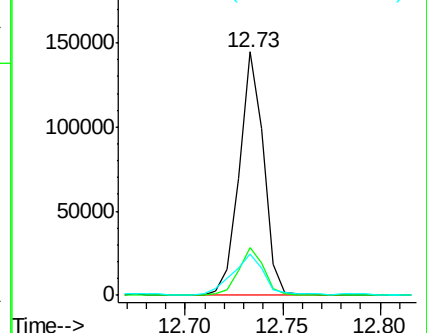
203 17.1 14.4 21.6



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: 5.325 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

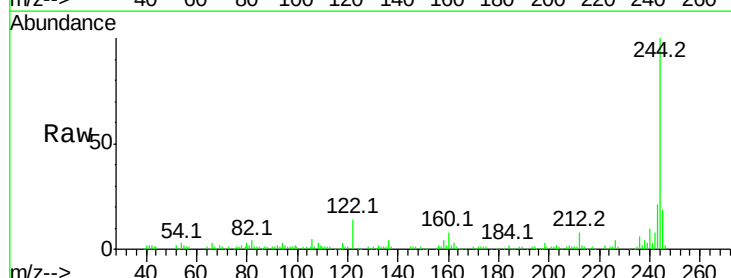
Tgt Ion:244 Resp: 80040

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

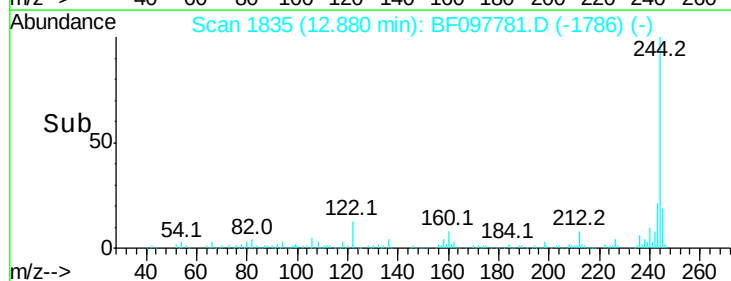
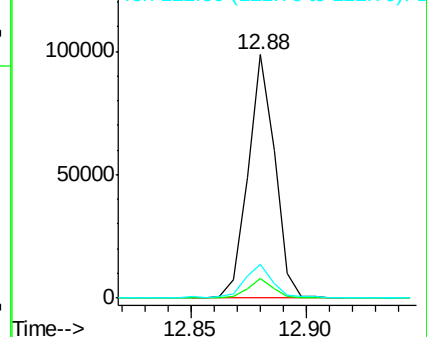
122 13.7 10.3 15.5

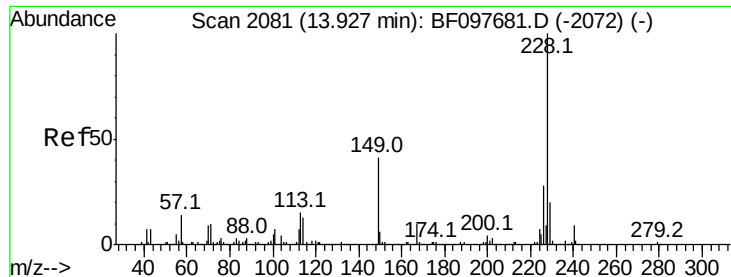


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.332 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

E2-J9-NSW

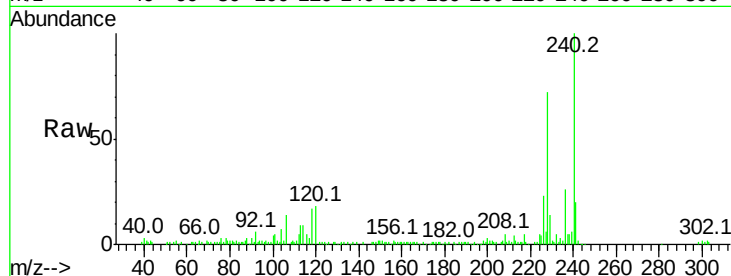
Tot Ion:228 Resp: 62594

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

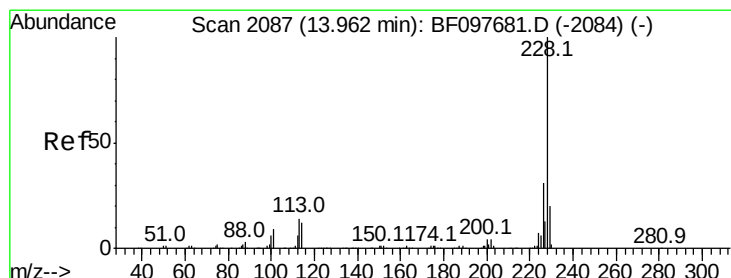
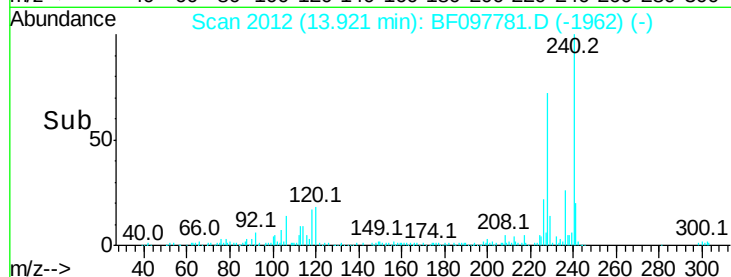
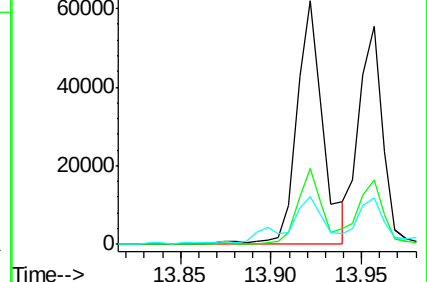
229 19.8 16.3 24.5



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: 2.769 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

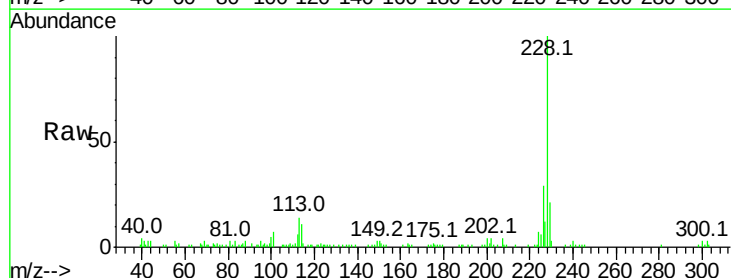
Tgt Ion:228 Resp: 51737

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

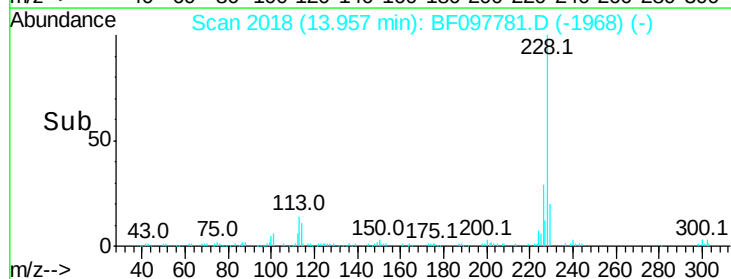
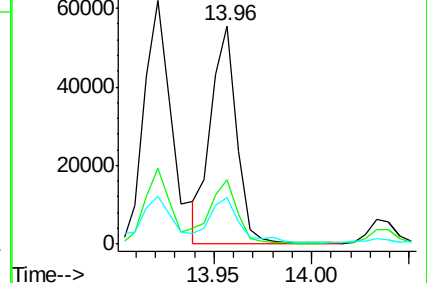
229 21.1 15.8 23.6

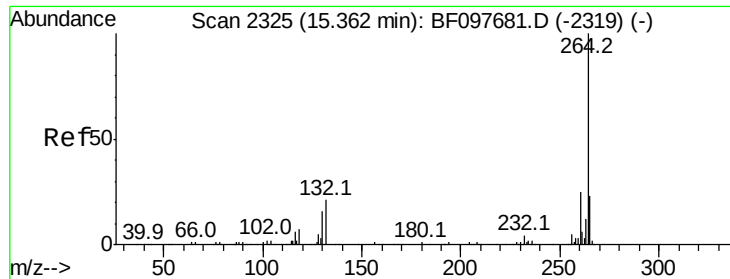


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

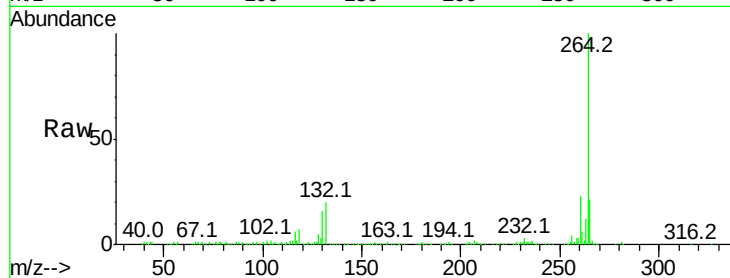




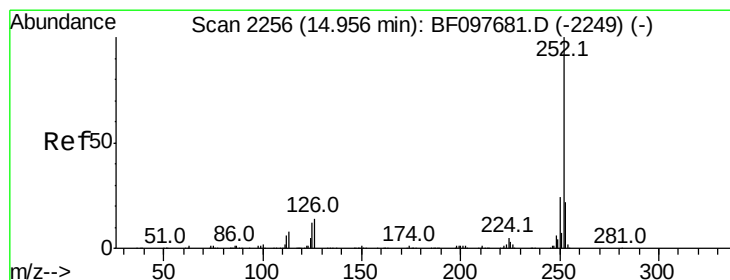
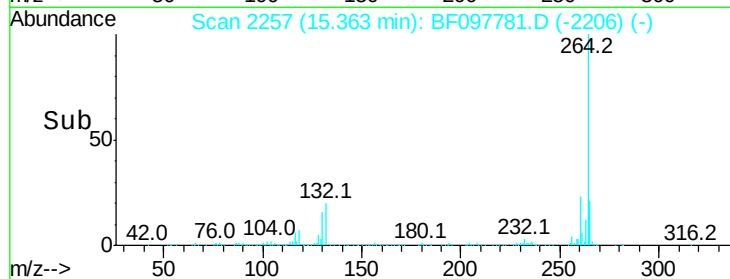
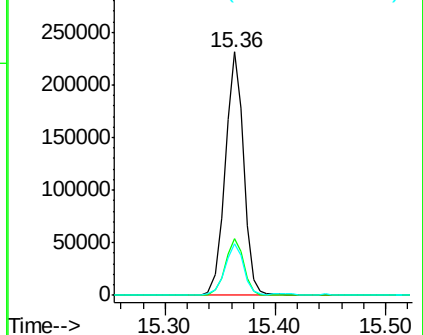
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Instrument :
BNA_F
ClientSampleId :
E2-J9-NSW

Tot Ion:264 Resp: 270643
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 21.4 17.2 25.8

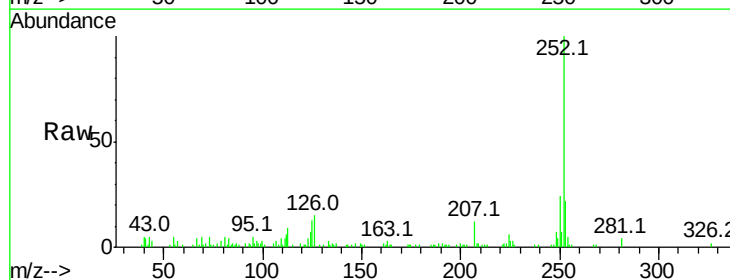


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

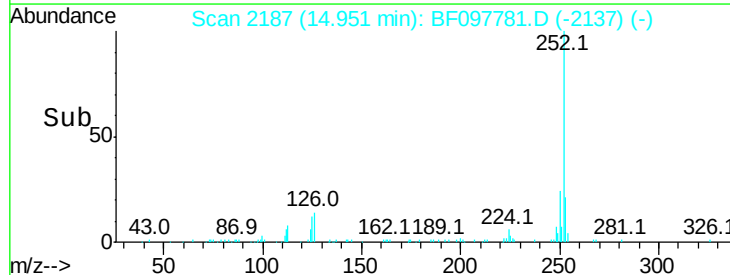
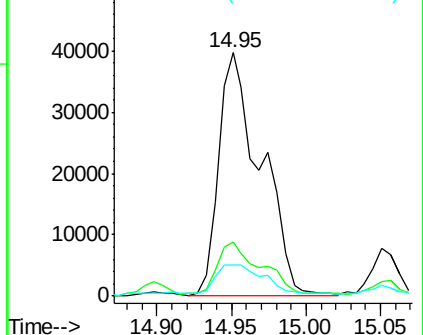


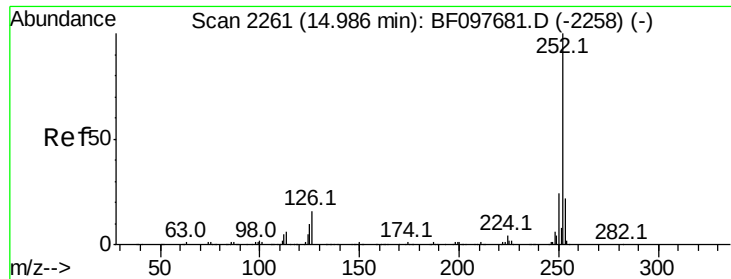
#87
Benzo(b)fluoranthene
Concen: 4.599 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Tgt Ion:252 Resp: 78463
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 12.6 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

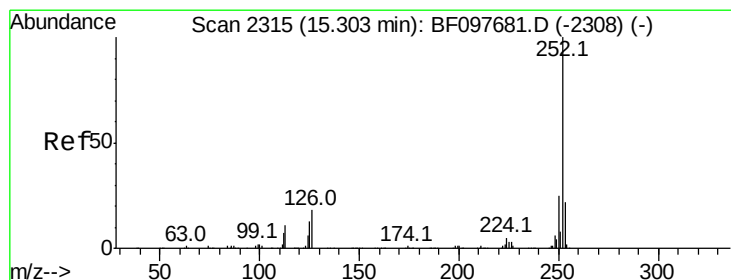
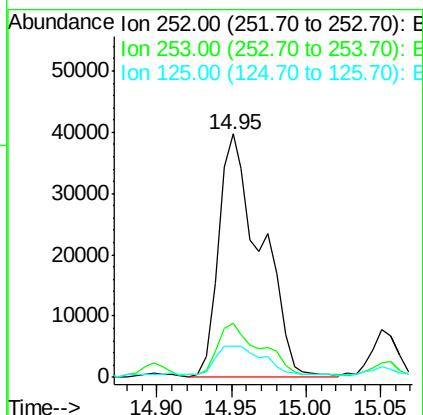
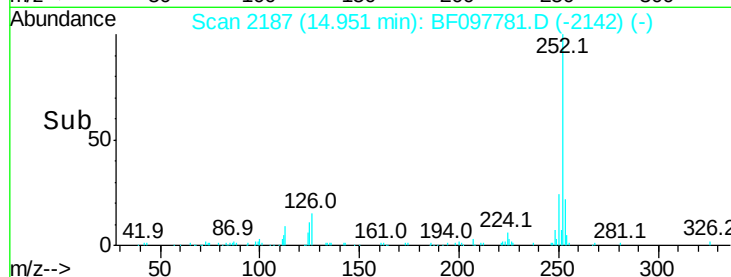
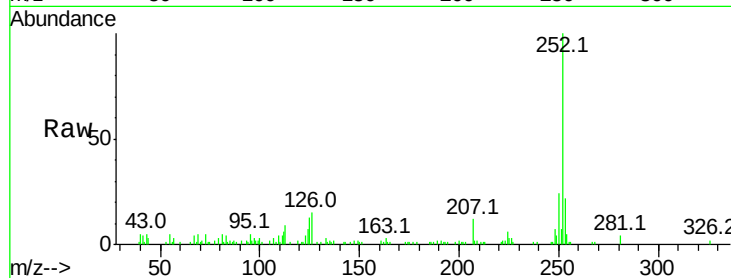




#88
Benzo(k)fluoranthene
Concen: 4.896 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Instrument :
BNA_F
ClientSampleId :
E2-J9-NSW

Tot Ion:252 Resp: 78463
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 12.6 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.798 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Tgt Ion:252 Resp: 42253
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 12.9 11.0 16.4

