

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098172.D
 Acq On : 30 Aug 2017 22:54
 Operator : SJ/JU
 Sample : I5024-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:48:22 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	6.72	152	116083	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	454288	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	187770	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	307840	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	248756	20.00	ng	-0.03
86) Perylene-d12	15.29	264	186978	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	992017	129.99	ng	-0.01
7) Phenol-d6	6.37	99	1355281	130.70	ng	-0.02
23) Nitrobenzene-d5	7.29	82	832058	99.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	191909	117.79	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	1145815	89.65	ng	-0.02
78) Terphenyl-d14	12.83	244	796914	66.81	ng	-0.02

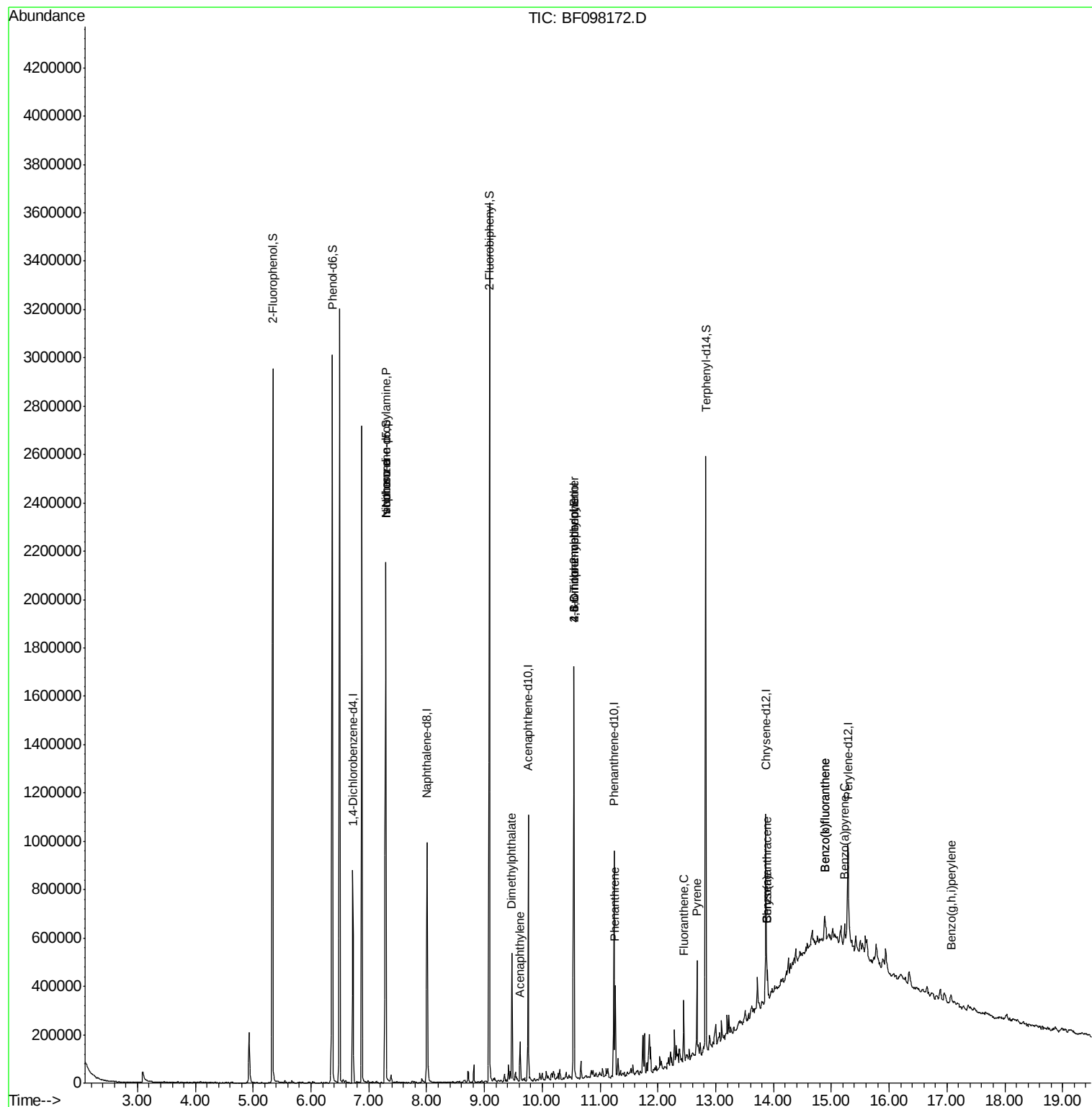
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	108943	15.348	ng	# 70
25) Isophorone	7.29	82	827680	47.599	ng	# 67
48) Acenaphthylene	9.62	152	53357	2.686	ng	97
49) Dimethylphthalate	9.47	163	192865	14.052	ng	99
64) 4,6-Dinitro-2-methylphenol	10.55	198	362	8.527	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	12297	3.847	ng	# 1
70) Phenanthrene	11.26	178	123005	7.499	ng	98
74) Fluoranthene	12.44	202	88515	5.170	ng	97
77) Pyrene	12.67	202	148794	7.313	ng	97
80) Benzo(a)anthracene	13.90	228	58259	3.908	ng	93
82) Chrysene	13.90	228	58259	3.928	ng	96
87) Benzo(b)fluoranthene	14.89	252	53463	4.536	ng	# 74
88) Benzo(k)fluoranthene	14.89	252	53463	4.828	ng	# 78
89) Benzo(a)pyrene	15.23	252	35377	3.391	ng	# 84
91) Benzo(a,h,i)perylene	17.07	276	23320	2.631	ng	96

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 31 06:48:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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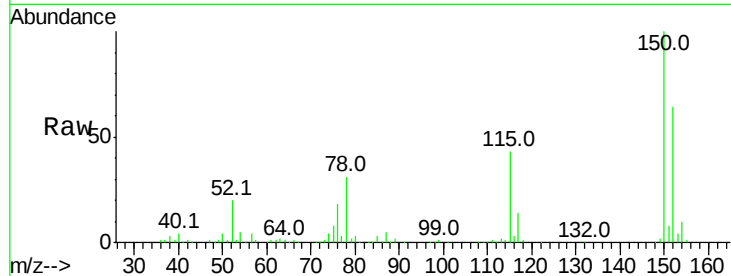


#1

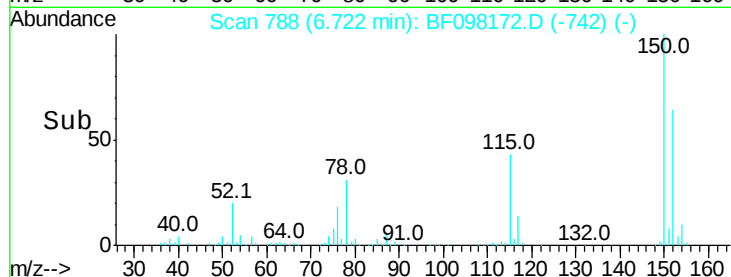
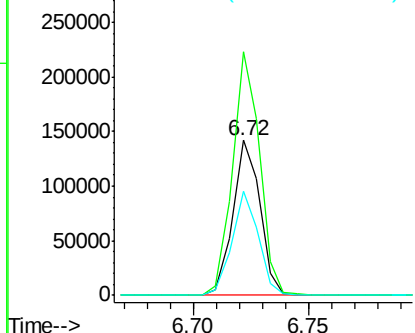
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116083
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 67.5 52.2 78.2



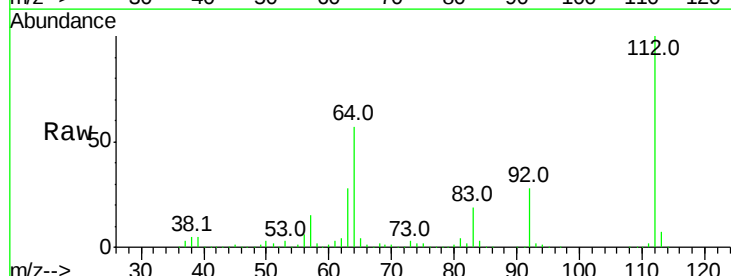
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



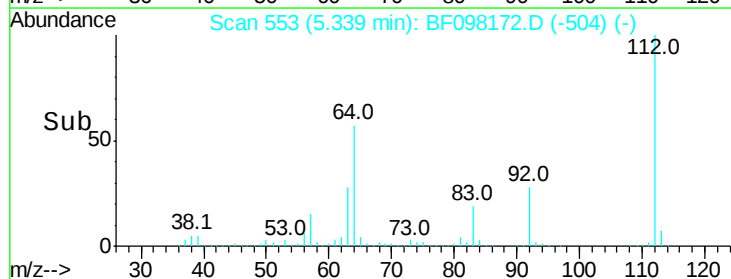
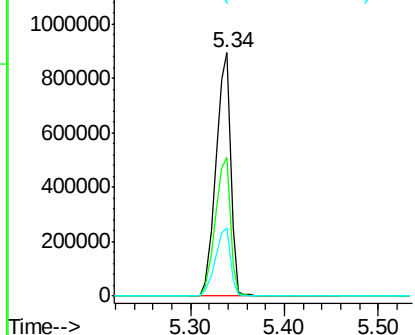
#5

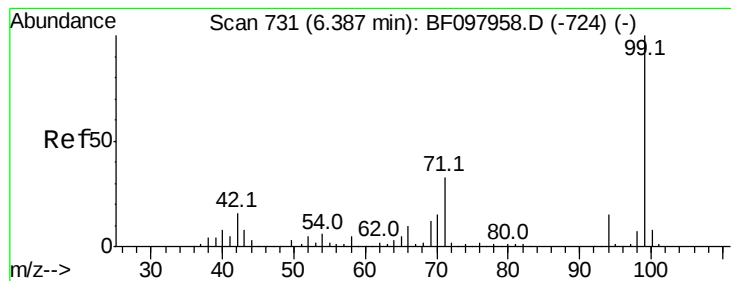
2-Fluorophenol
Concen: 129.987 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion:112 Resp: 992017
Ion Ratio Lower Upper
112 100
64 57.1 46.0 69.0
63 27.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.702 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampled :

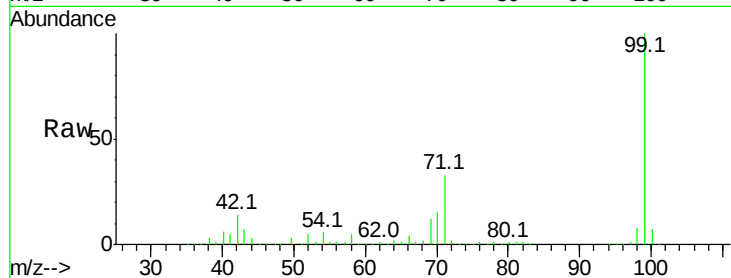
Tot Ion: 99 Resp: 1355281

Ion Ratio Lower Upper

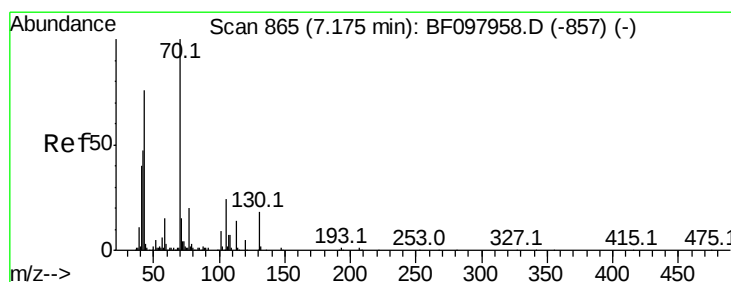
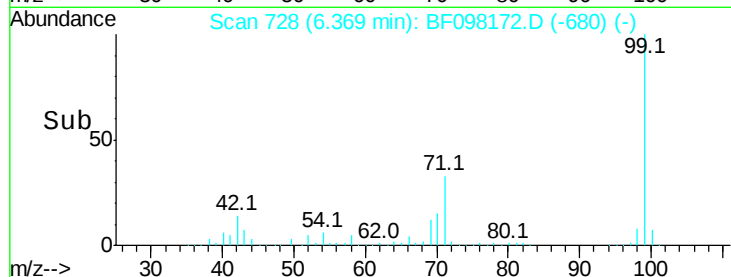
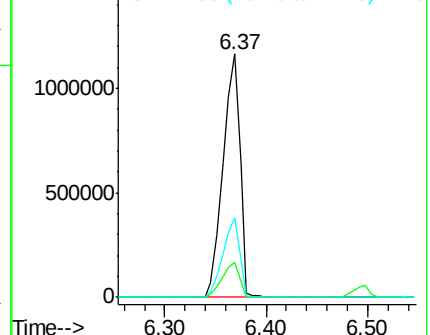
99 100

42 14.2 13.5 20.3

71 32.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.348 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.12 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Tgt Ion: 70 Resp: 108943

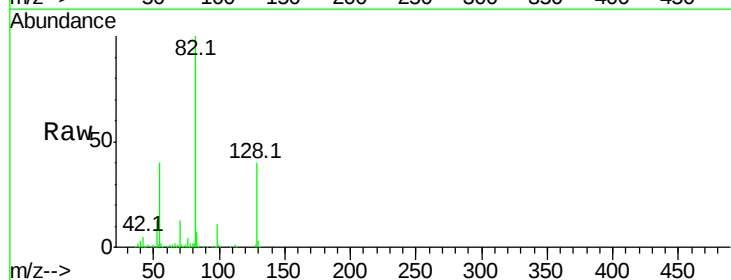
Ion Ratio Lower Upper

70 100

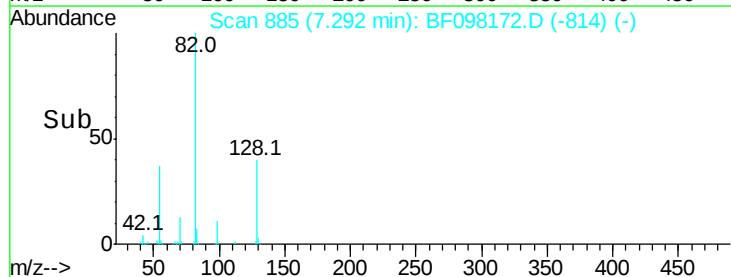
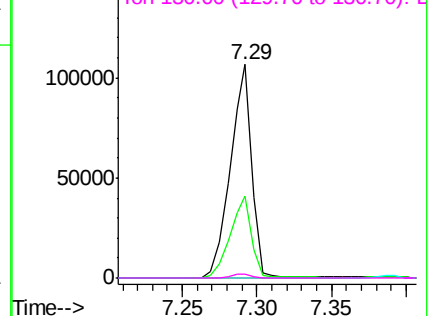
42 38.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#



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

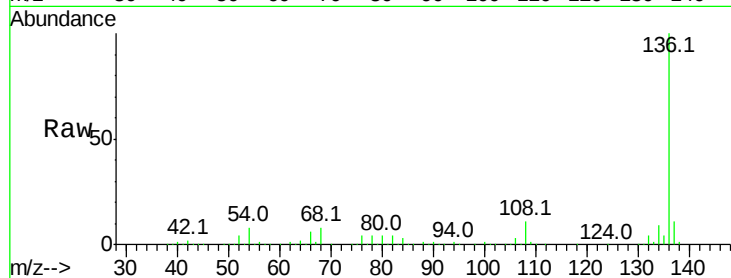




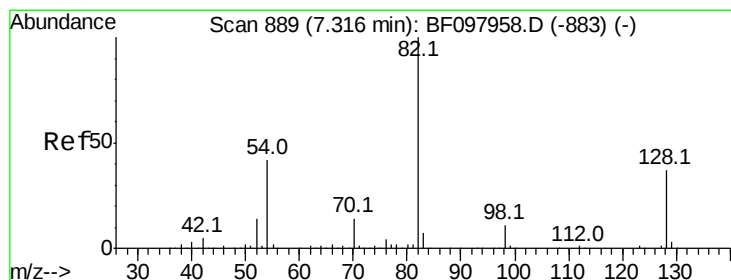
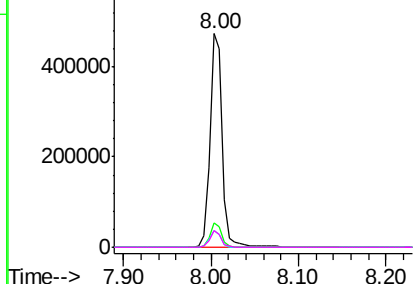
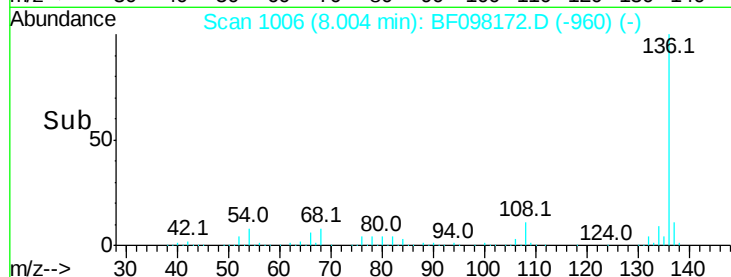
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	454288
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	8.0	4.9	7.3#
68	7.6	4.1	6.1#

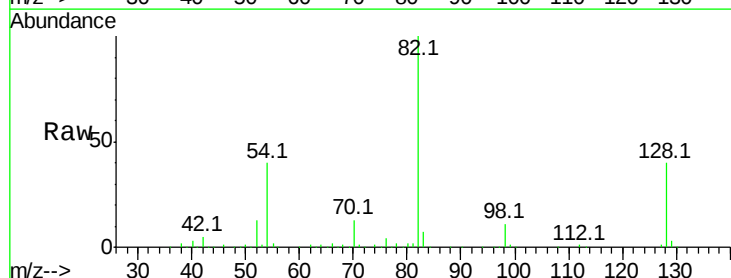


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

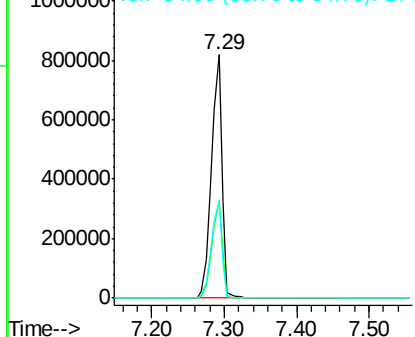
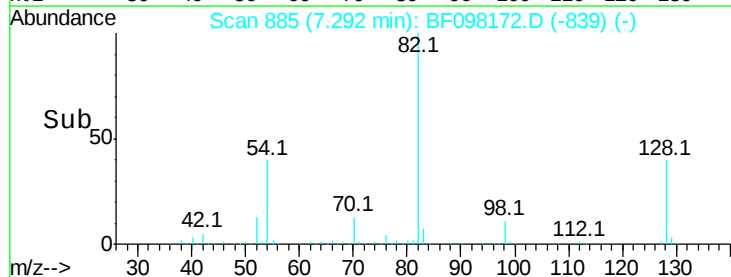


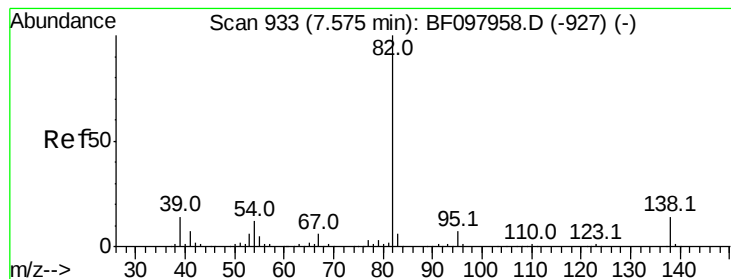
#23
Nitrobenzene-d5
Concen: 99.499 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion:	82	Resp:	832058
Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.0	51.0
54	40.0	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: 47.599 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampled :

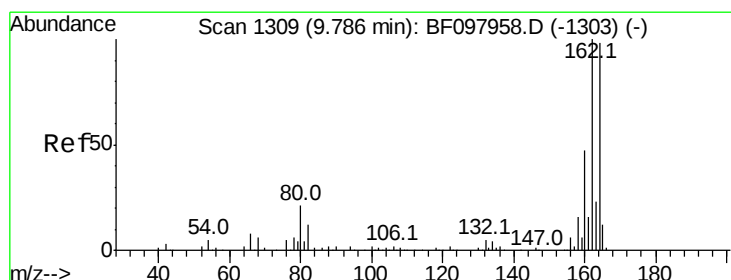
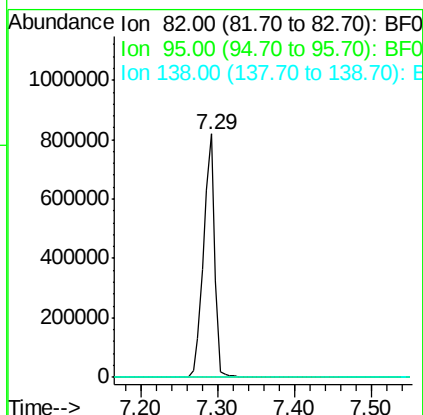
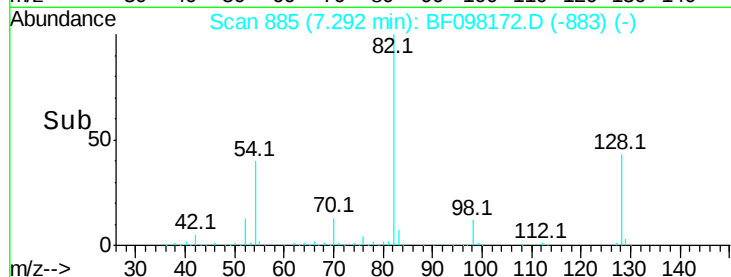
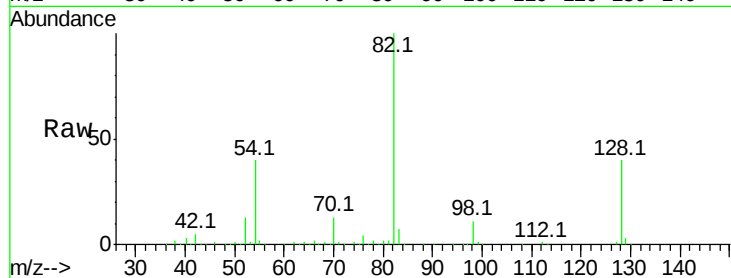
Tot Ion: 82 Resp: 827680

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

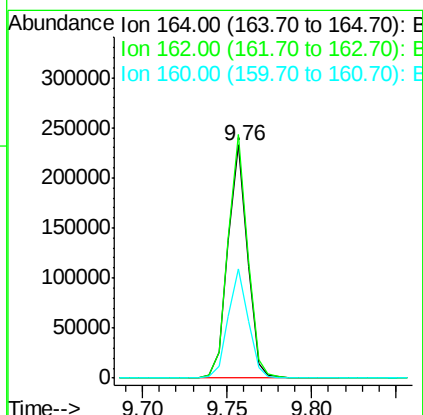
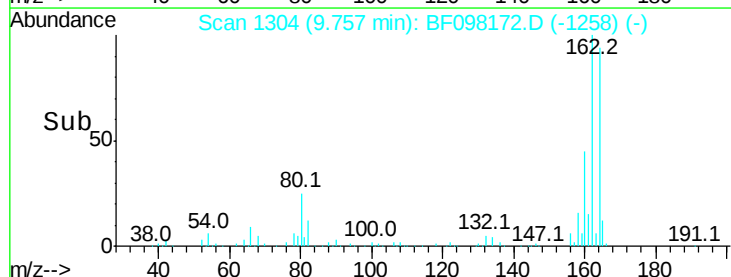
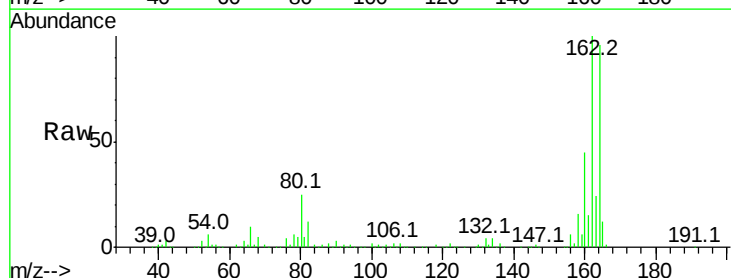
Tgt Ion:164 Resp: 187770

Ion Ratio Lower Upper

164 100

162 104.6 82.6 123.8

160 46.7 36.2 54.2

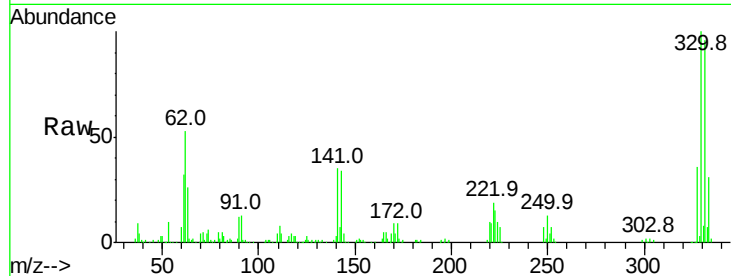




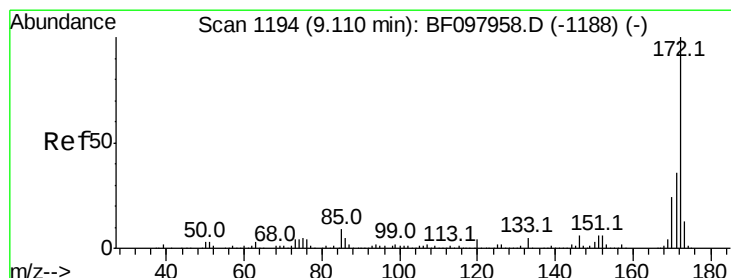
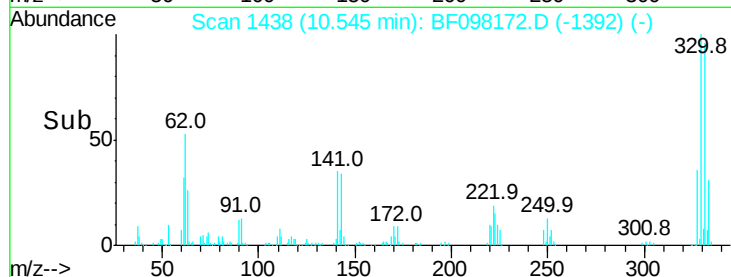
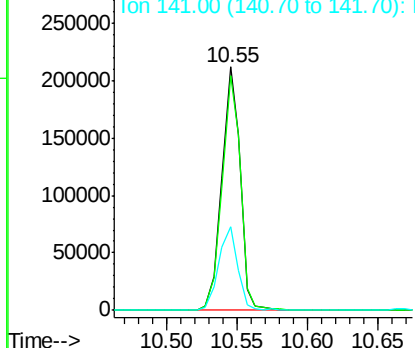
#41
 2,4,6-Tribromophenol
 Concen: 117.793 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	35.6	31.4	47.2

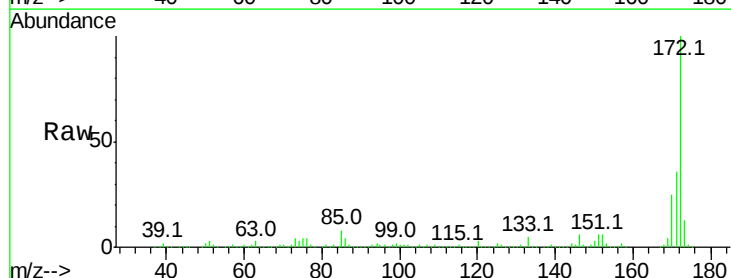


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

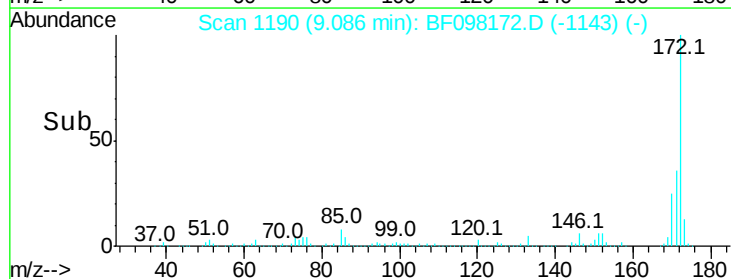
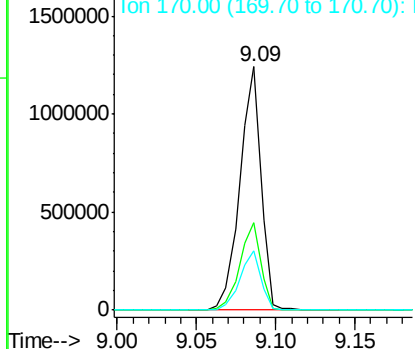


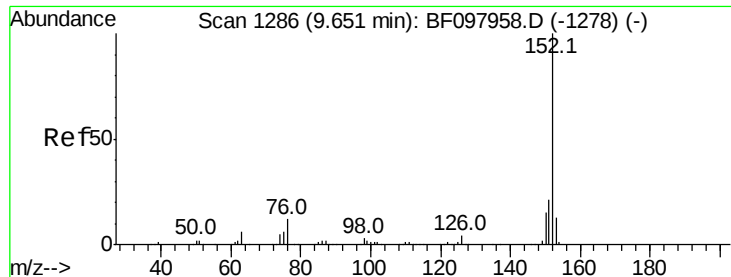
#44
 2-Fluorobiphenyl
 Concen: 89.654 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.5	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





#48

Acenaphthylene

Concen: 2.686 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampleId :

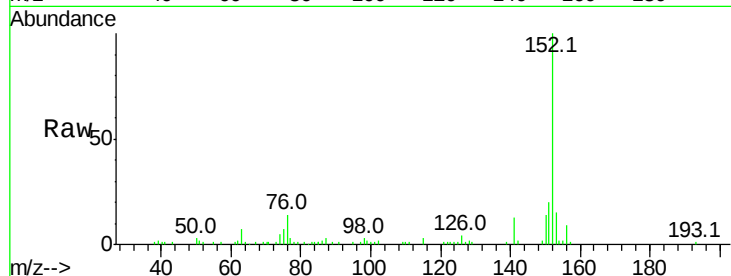
Tot Ion:152 Resp: 53357

Ion Ratio Lower Upper

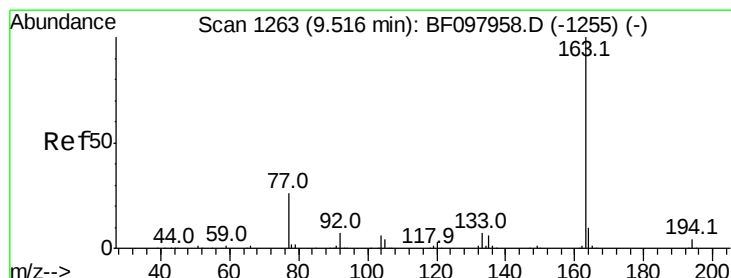
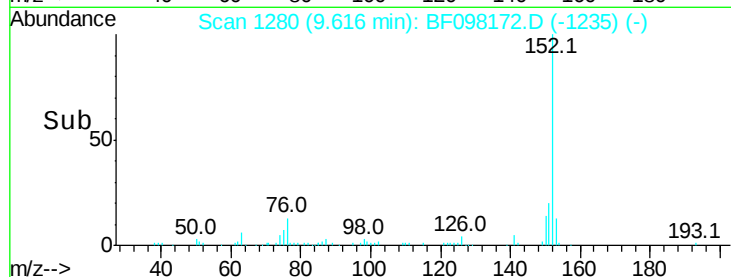
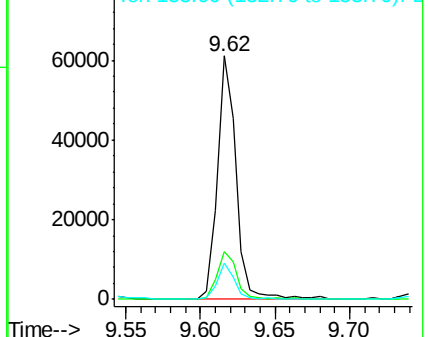
152 100

151 19.8 16.8 25.2

153 14.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 14.052 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

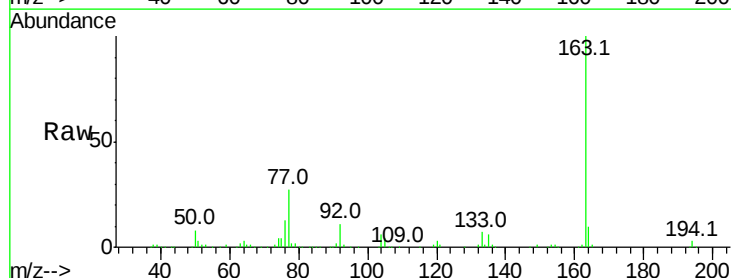
Tgt Ion:163 Resp: 192865

Ion Ratio Lower Upper

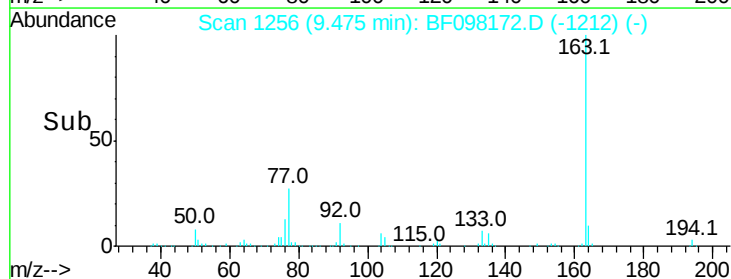
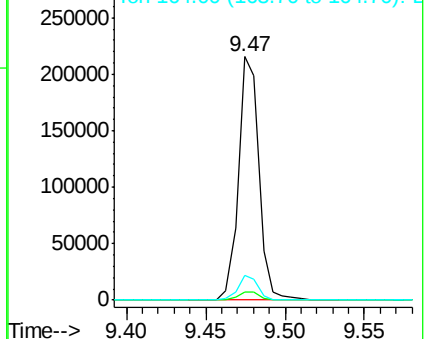
163 100

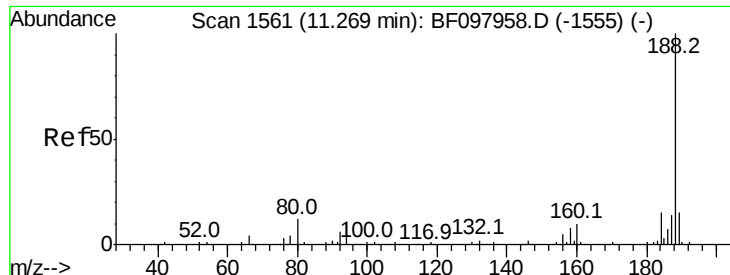
194 3.3 2.6 4.0

164 10.2 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: 11.24 min Scan# 1556

Delta R.T. -0.02 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampled :

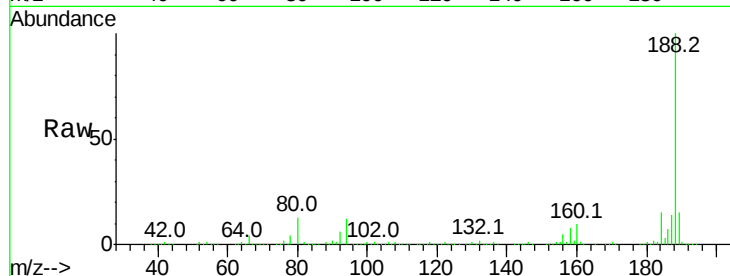
Tot Ion:188 Resp: 307840

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

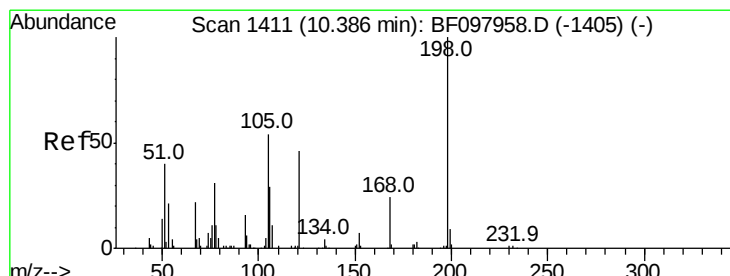
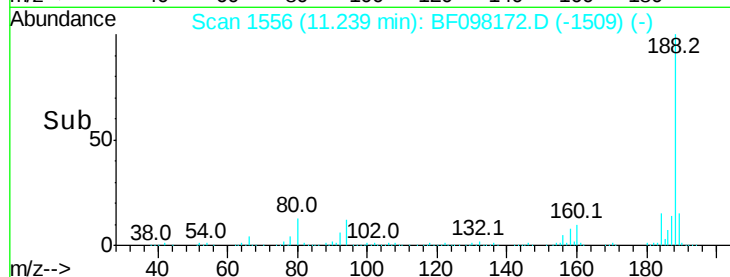
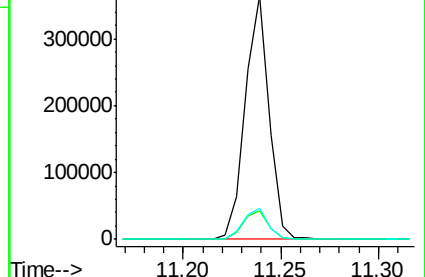
80 12.7 10.2 15.2



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: 8.527 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.16 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

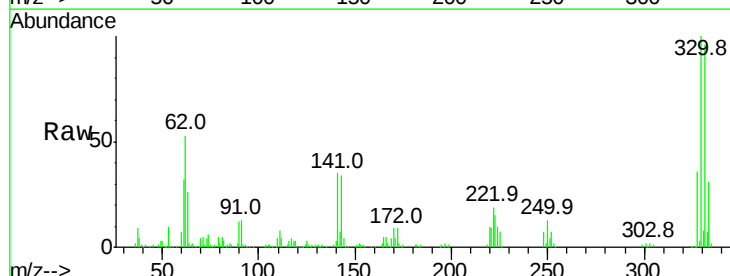
Tgt Ion:198 Resp: 362

Ion Ratio Lower Upper

198 100

51 158.5 53.2 93.2#

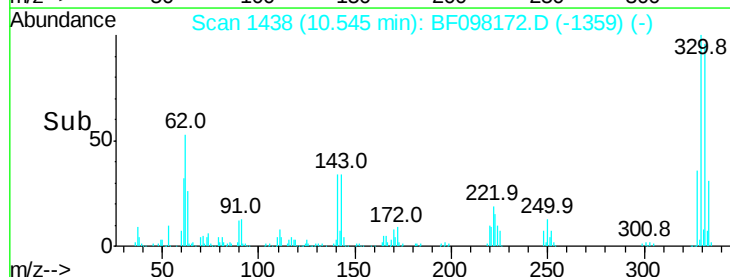
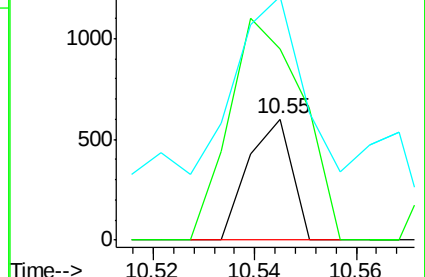
105 201.3 45.8 85.8#

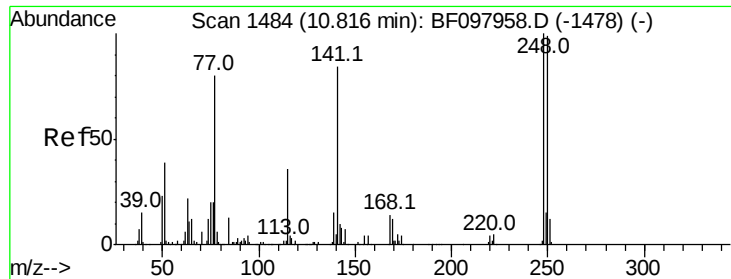


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

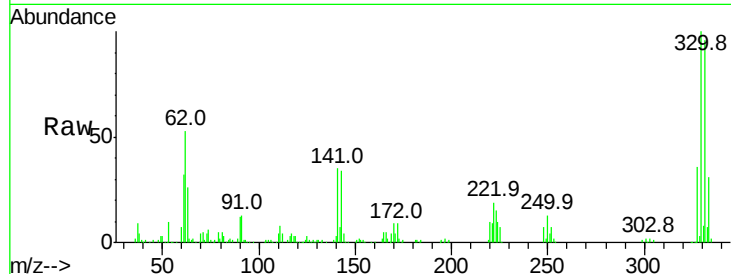




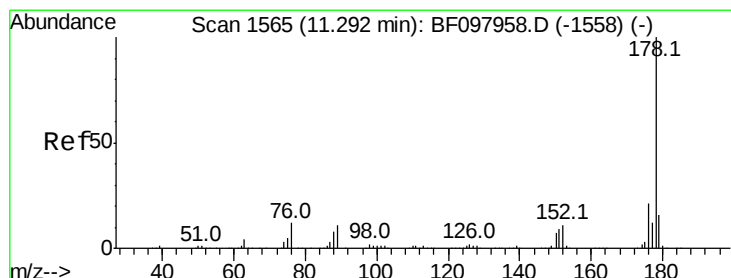
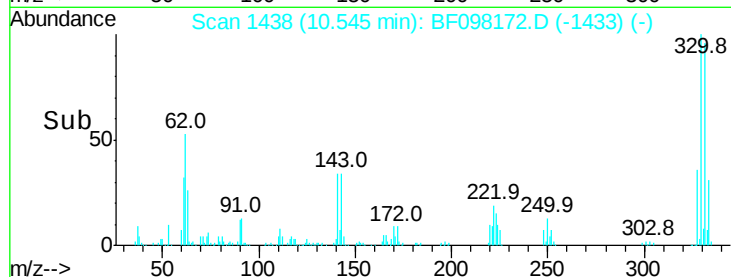
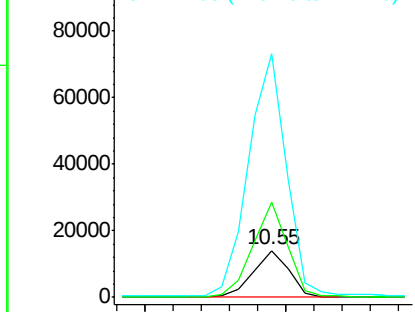
#66
 4-Bromophenyl-phenylether
 Concen: 3.847 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.27 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12297
 Ion Ratio Lower Upper
 248 100
 250 202.2 76.8 115.2#
 141 520.4 68.6 103.0#

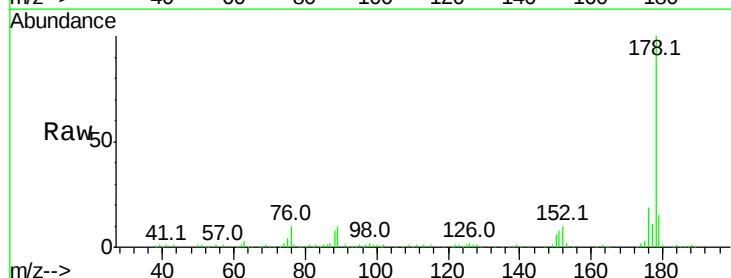


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

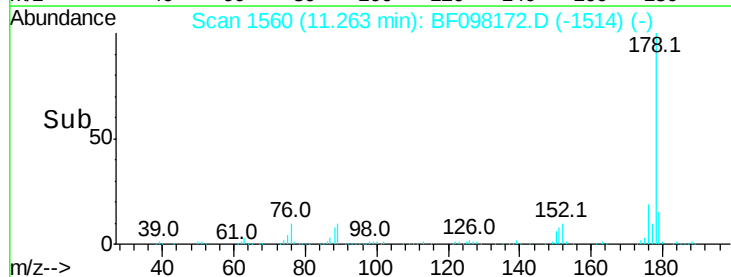
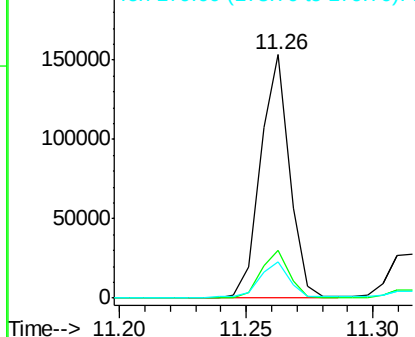


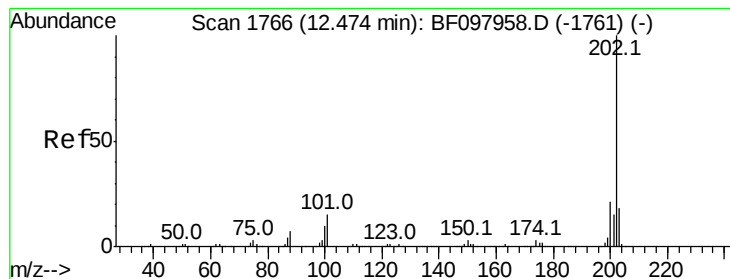
#70
 Phenanthrene
 Concen: 7.499 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.03 min
 Lab File: BF098172.D
 Acq: 30 Aug 2017 22:54

Tgt Ion:178 Resp: 123005
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 15.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.170 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampled :

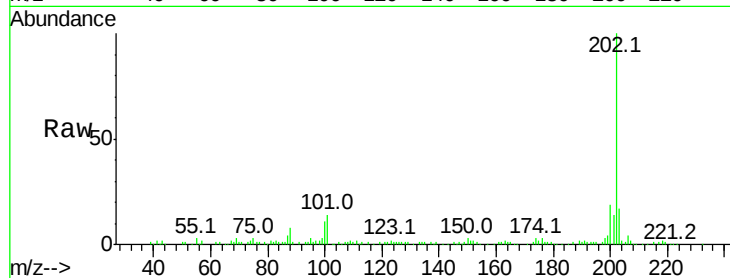
Tot Ion:202 Resp: 88515

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

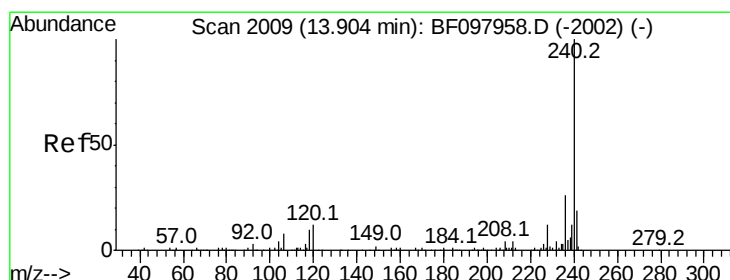
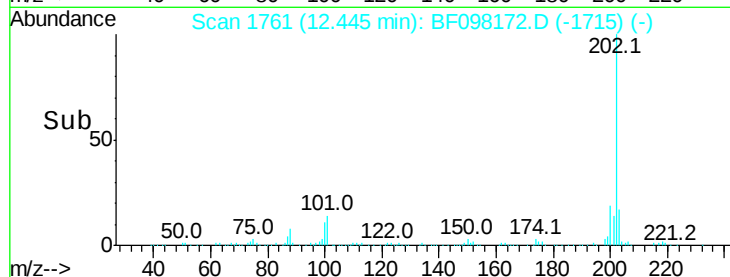
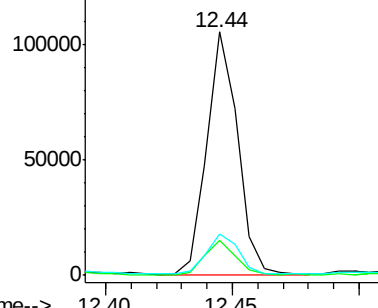
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

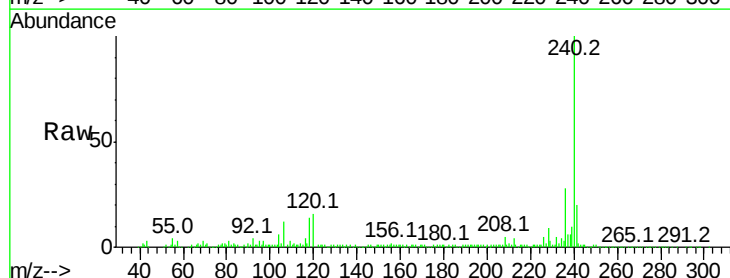
Tgt Ion:240 Resp: 248756

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

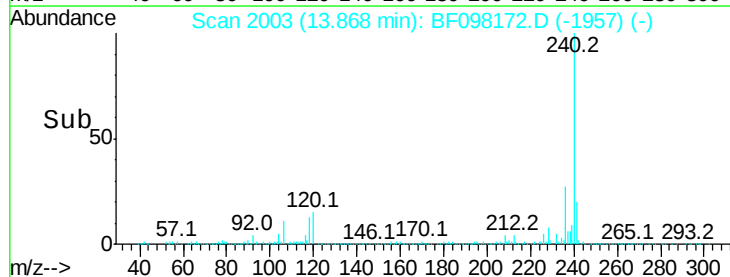
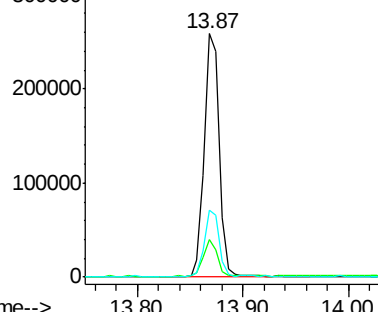
236 27.6 20.5 30.7

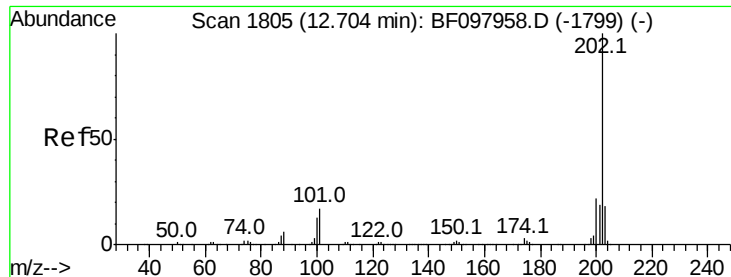


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.313 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.03 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampleId :

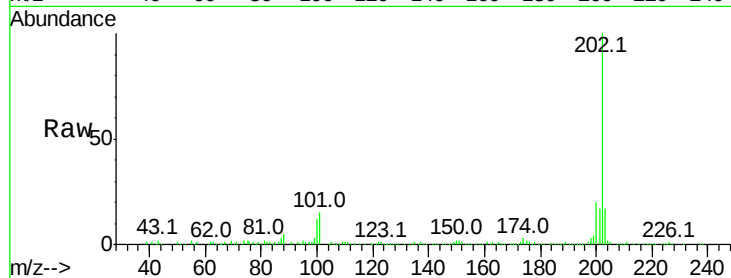
Tot Ion:202 Resp: 148794

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

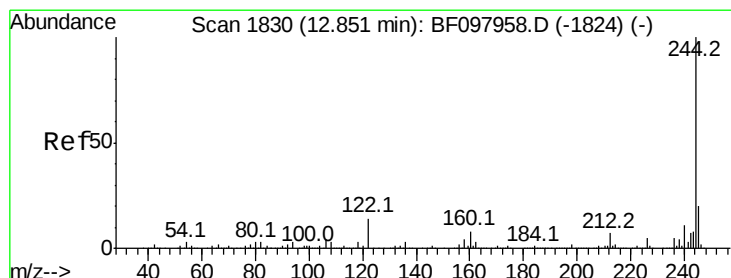
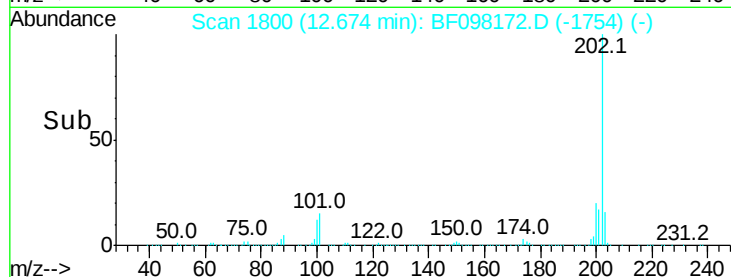
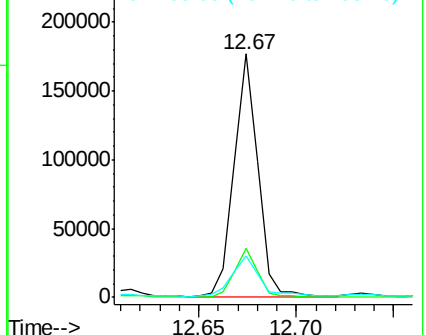
203 16.9 14.4 21.6



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: 66.806 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

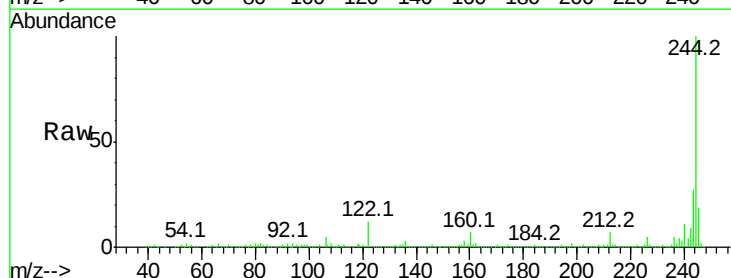
Tgt Ion:244 Resp: 796914

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

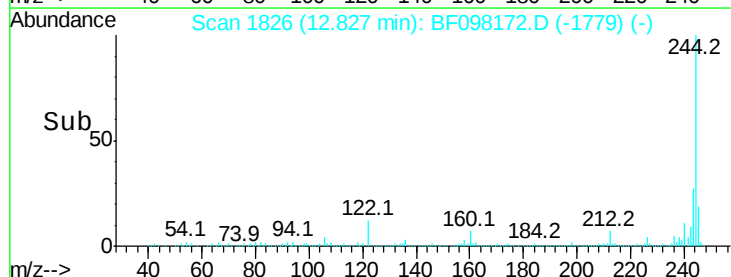
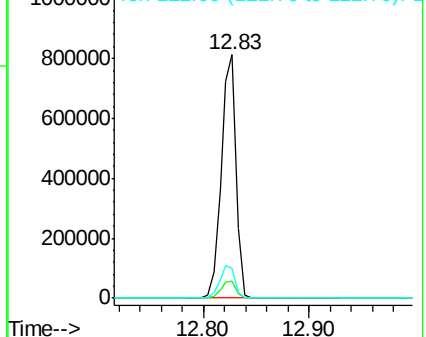
122 12.3 10.3 15.5

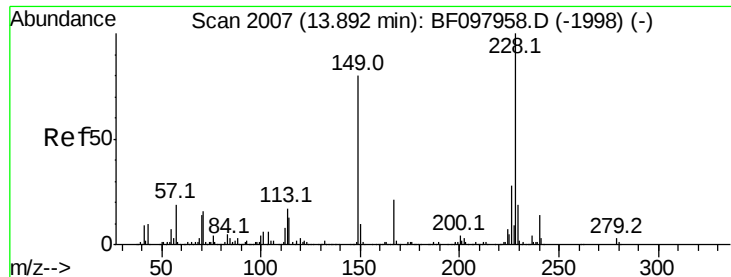


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

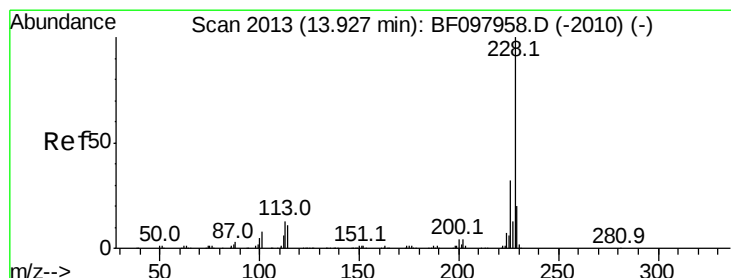
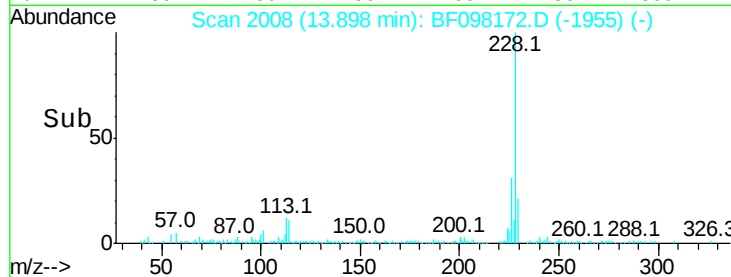
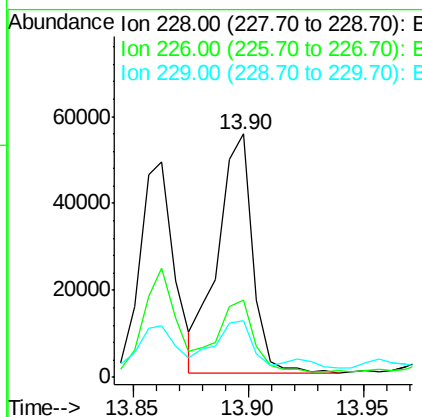
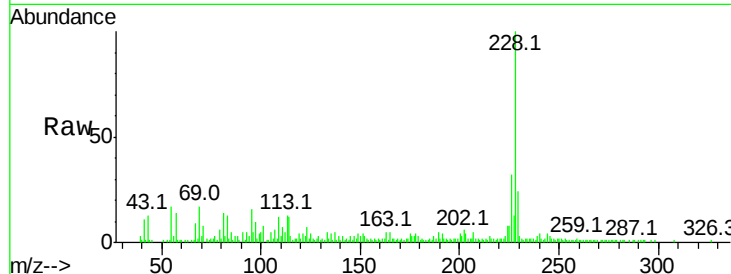




#80
Benzo(a)anthracene
Concen: 3.908 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

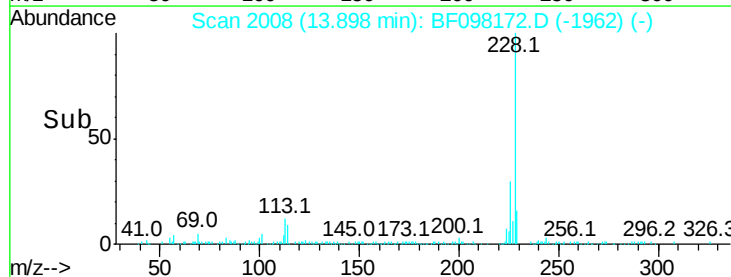
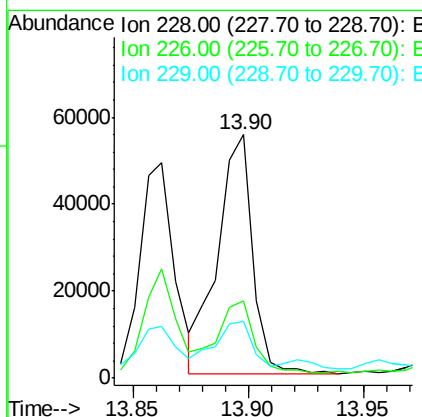
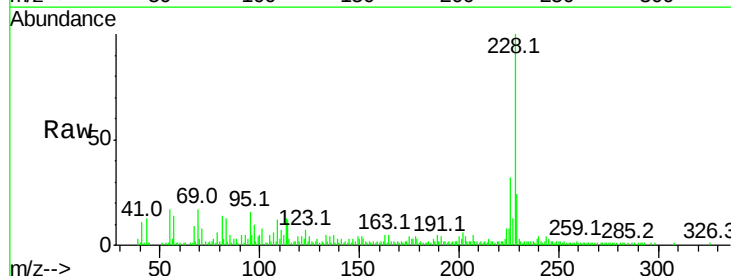
Instrument :
BNA_F
ClientSampleId :

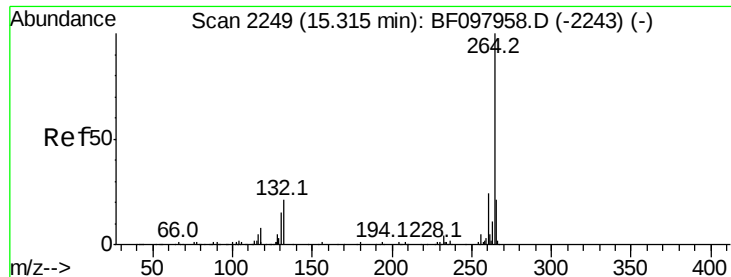
Tot Ion:228 Resp: 58259
Ion Ratio Lower Upper
228 100
226 32.0 22.6 33.8
229 23.6 16.3 24.5



#82
Chrysene
Concen: 3.928 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion:228 Resp: 58259
Ion Ratio Lower Upper
228 100
226 32.0 24.9 37.3
229 23.6 15.8 23.6

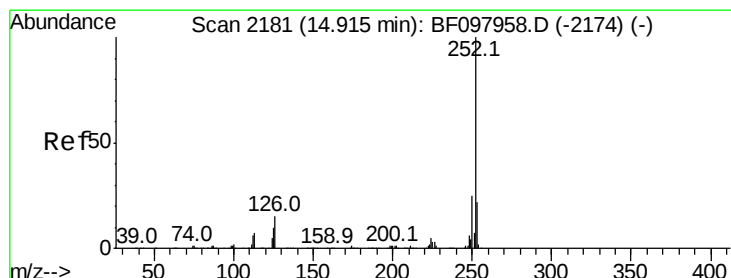
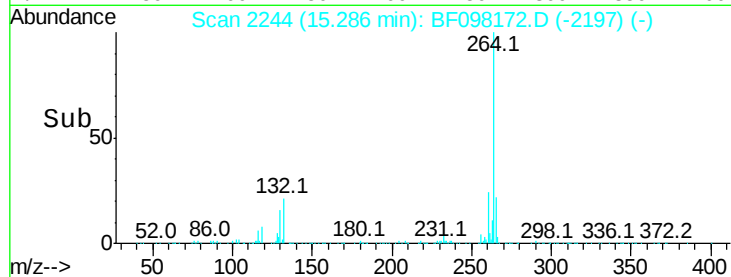
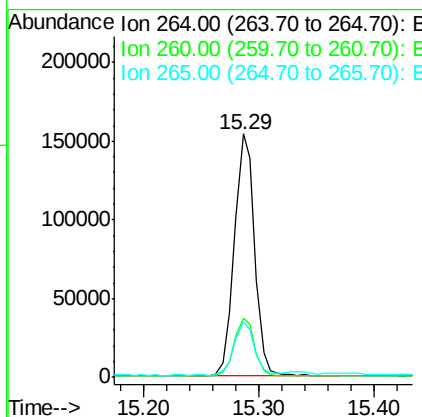
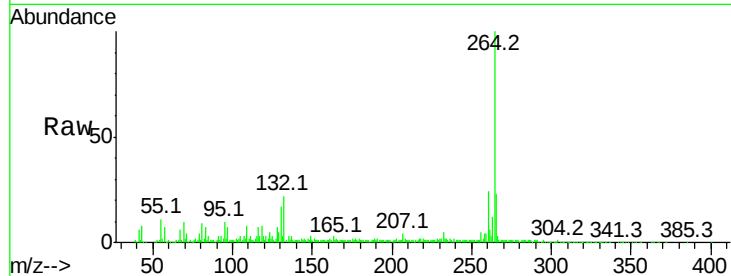




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

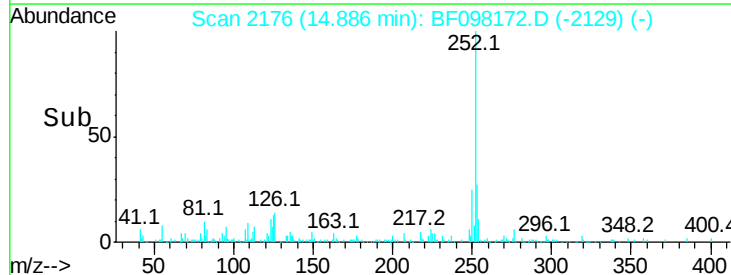
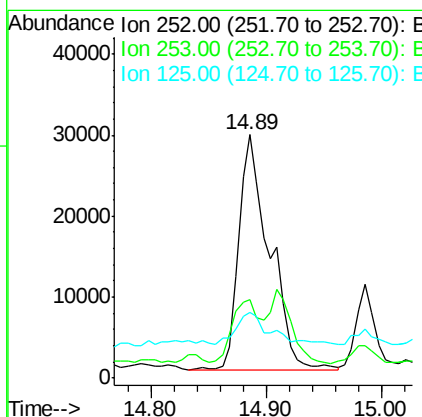
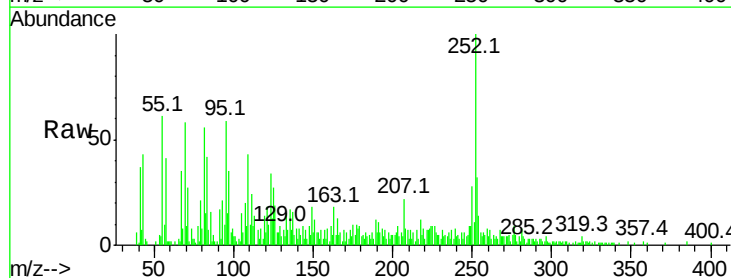
Instrument :
BNA_F
ClientSampleId :

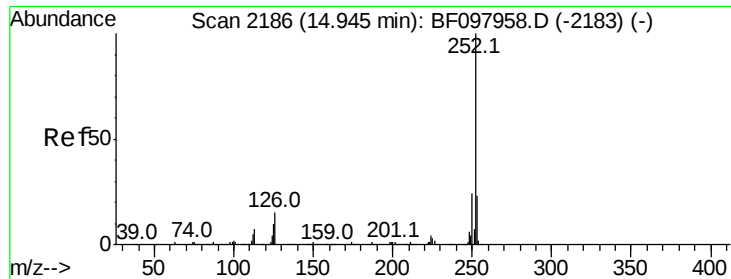
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 4.536 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.1	27.1#
125	27.2	9.8	14.8#

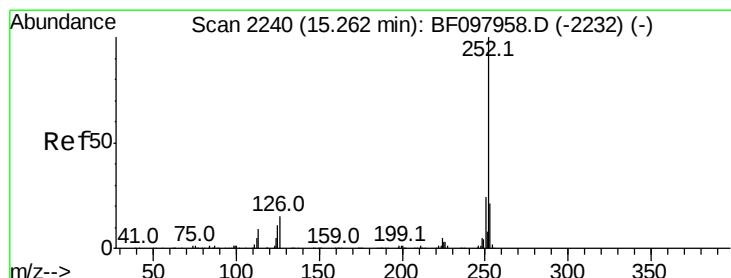
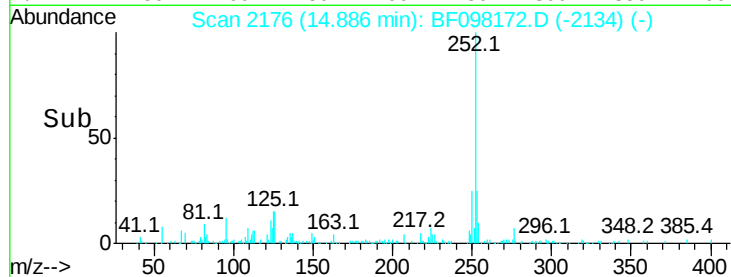
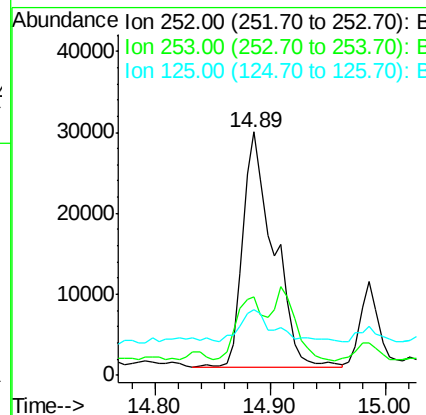
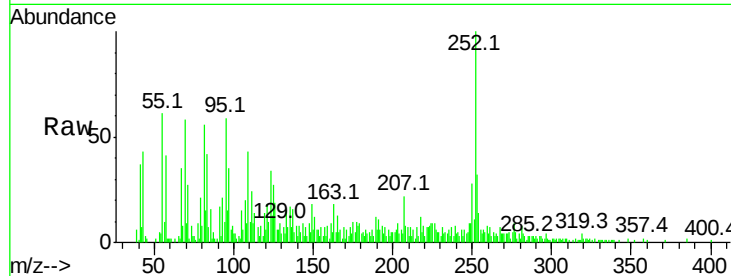




#88
Benzo(k)fluoranthene
Concen: 4.828 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.05 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

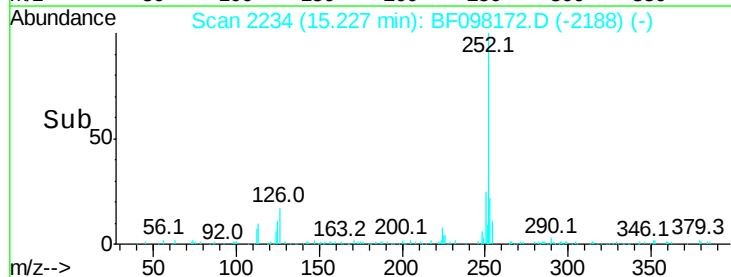
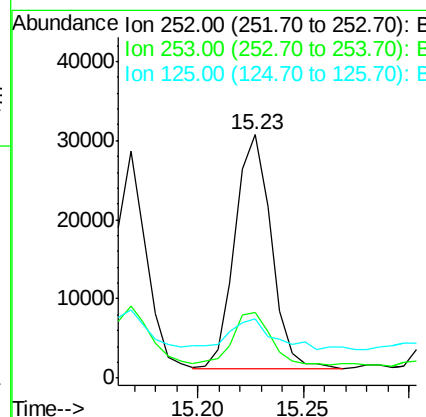
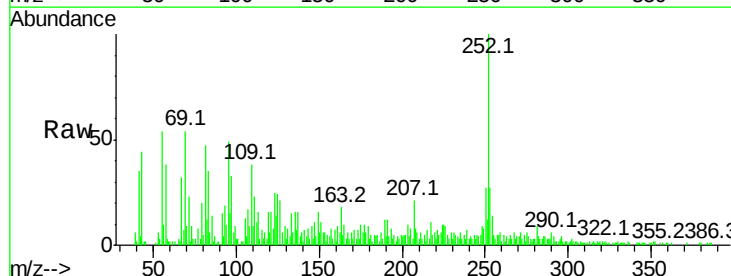
Instrument :
BNA_F
ClientSampleId :

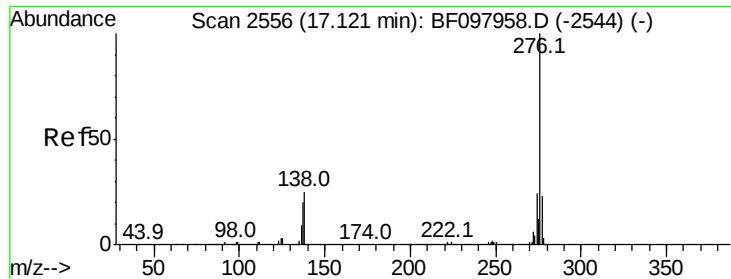
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.4	27.6#
125	27.2	13.1	19.7#



#89
Benzo(a)pyrene
Concen: 3.391 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF098172.D
Acq: 30 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	24.1	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.631 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.04 min

Lab File: BF098172.D

Acq: 30 Aug 2017 22:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 23320

Ion Ratio Lower Upper

276 100

277 26.7 18.6 28.0

138 30.9 25.4 38.0

