

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
 Data File : BF107296.D
 Acq On : 11 Jul 2018 13:32
 Operator : JU/SJ
 Sample : J3933-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-8-S1

Quant Time: Jul 11 14:50:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

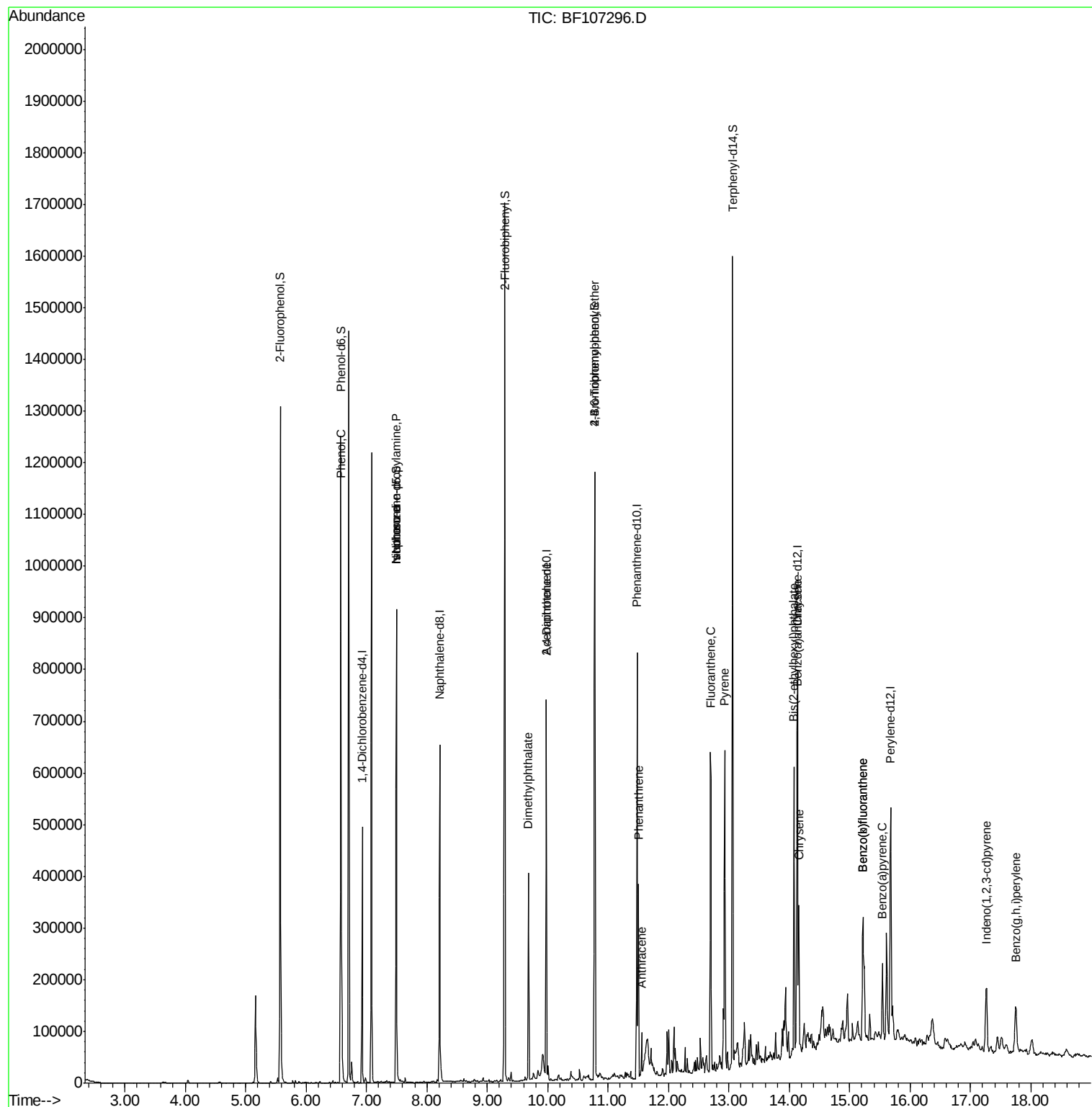
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	73483	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	284490	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	148550	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	296535	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	221020	20.00	ng	-0.03
86) Perylene-d12	15.68	264	237176	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	406080	93.58	ng	-0.03
7) Phenol-d6	6.58	99	518939	95.76	ng	-0.04
23) Nitrobenzene-d5	7.50	82	338980	66.22	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	183439	106.54	ng	-0.02
44) 2-Fluorobiphenyl	9.29	172	567799	60.43	ng	-0.03
78) Terphenyl-d14	13.06	244	629549	69.00	ng	-0.02
Target Compounds						
10) Phenol	6.59	94	24806	4.011	ng	91
19) n-Nitroso-di-n-propylamine	7.50	70	44457	12.445	ng	# 73
25) Isophorone	7.50	82	338743	37.552	ng	# 64
49) Dimethylphthalate	9.68	163	156717	14.066	ng	98
56) 2,4-Dinitrotoluene	9.98	165	18427	5.984	ng	# 23
66) 4-Bromophenyl-phenylether	10.78	248	10751	3.038	ng	# 1
70) Phenanthrene	11.50	178	133371	9.325	ng	97
71) Anthracene	11.55	178	32587	2.232	ng	99
74) Fluoranthene	12.70	202	265803	16.861	ng	96
77) Pyrene	12.93	202	242009	16.605	ng	99
80) Benzo(a)anthracene	14.12	228	124084	9.211	ng	98
82) Chrysene	14.16	228	106883	8.625	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	150069	19.588	ng	96
85) Indeno(1,2,3-cd)pyrene	17.27	276	77932	7.410	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	199261	13.525	ng	96
88) Benzo(k)fluoranthene	15.22	252	199261	14.202	ng	# 97
89) Benzo(a)pyrene	15.54	252	74410	5.681	ng	99
91) Benzo(g,h,i)perylene	17.75	276	80278	7.399	ng	# 90

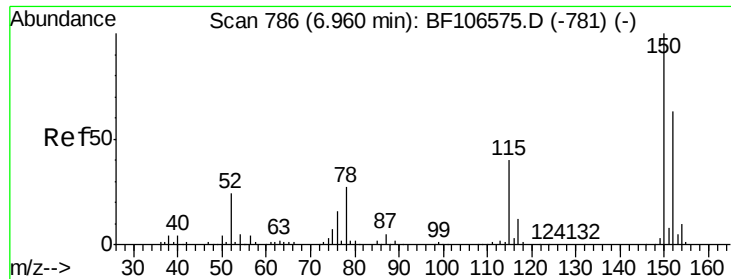
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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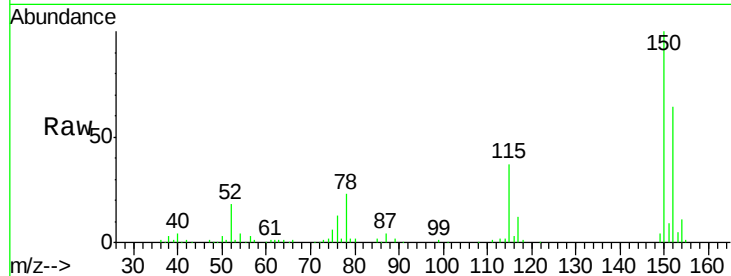


#1

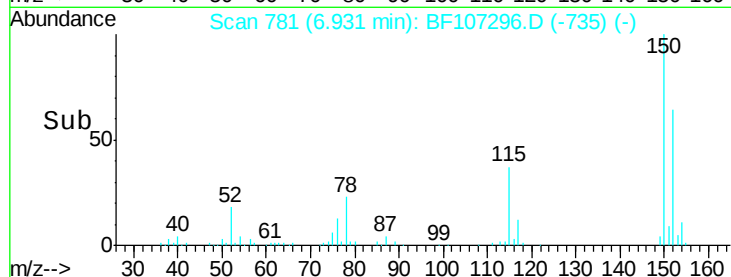
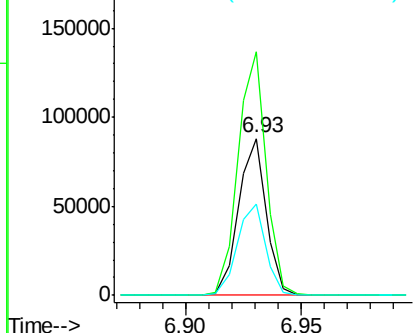
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

Instrument :
BNA_F
ClientSampleId :
EP-8-S1

Tgt Ion:152 Resp: 73483
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 57.8 50.1 75.1



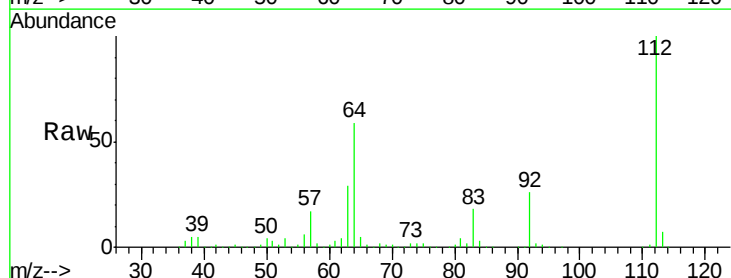
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



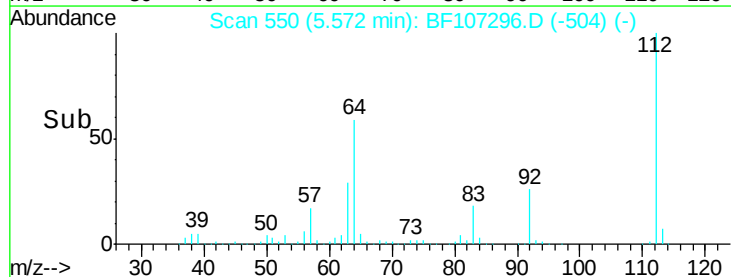
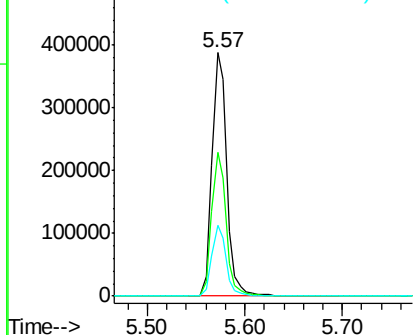
#5

2-Fluorophenol
Concen: 93.576 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

Tgt Ion:112 Resp: 406080
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.758 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

Instrument :

BNA_F

ClientSampled :

EP-8-S1

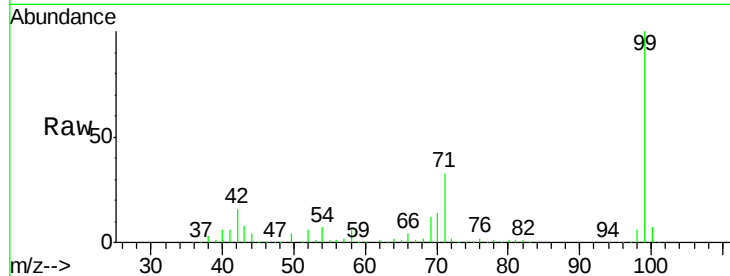
Tgt Ion: 99 Resp: 518939

Ion Ratio Lower Upper

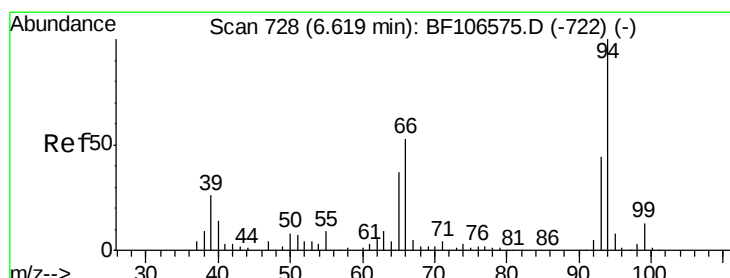
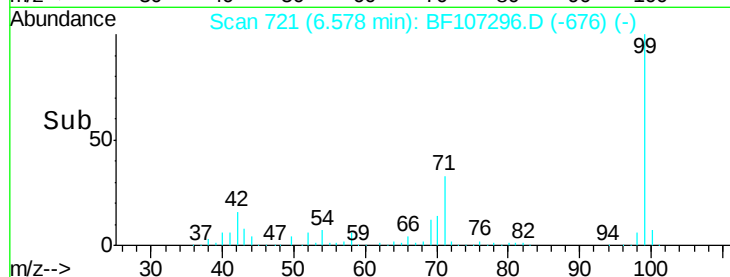
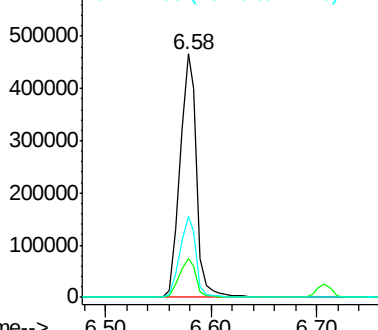
99 100

42 16.0 14.5 21.7

71 33.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.011 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

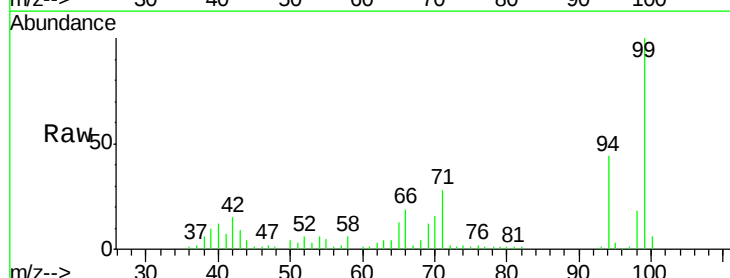
Tgt Ion: 94 Resp: 24806

Ion Ratio Lower Upper

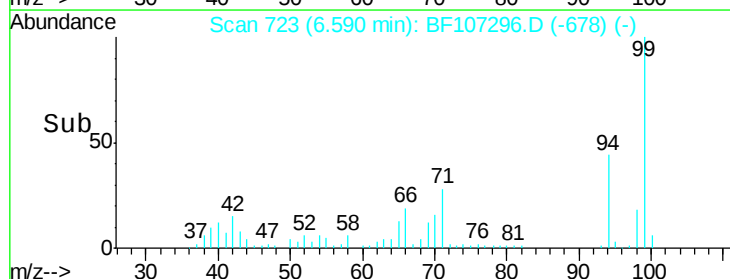
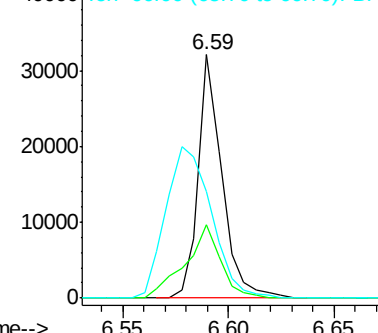
94 100

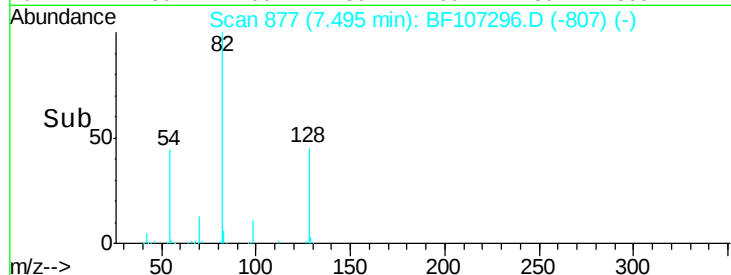
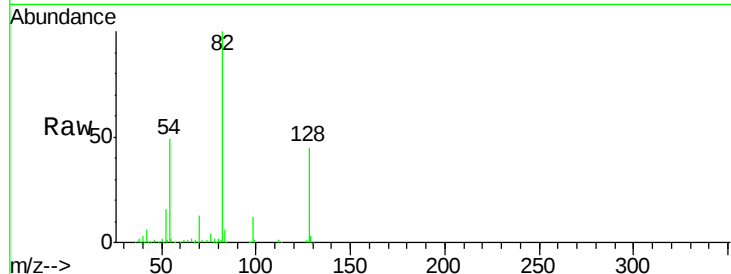
65 30.2 7.9 47.9

66 43.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

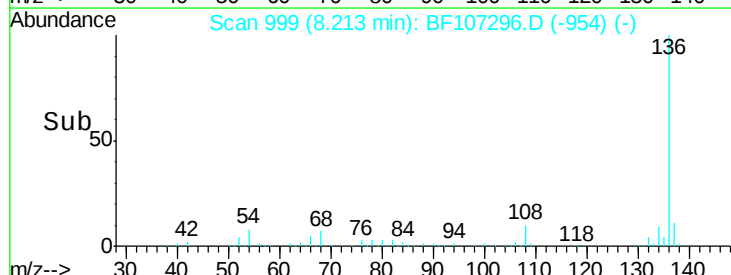
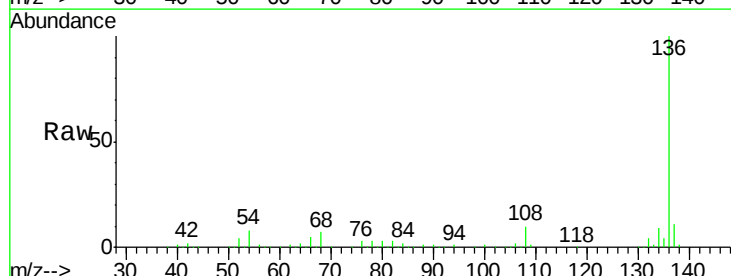
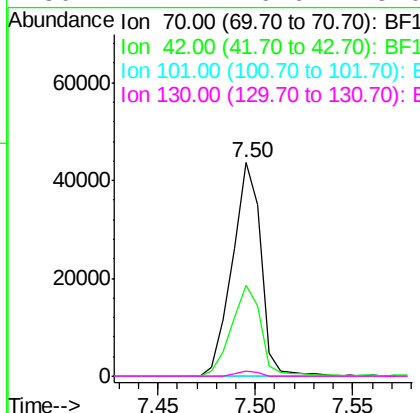




#19
n-Nitroso-di-n-propylamine
Concen: 12.445 ng
RT: 7.50 min Scan# 877
Delta R.T. 0.11 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

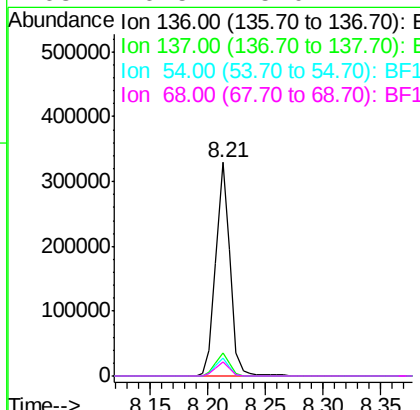
Instrument :
BNA_F
ClientSampleId :
EP-8-S1

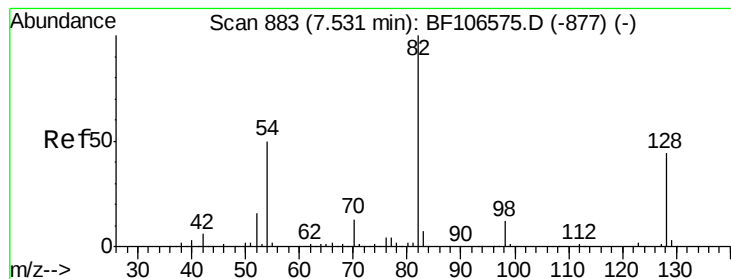
Tgt Ion: 70 Resp: 44457
Ion Ratio Lower Upper
70 100
42 42.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.04 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

Tgt Ion: 136 Resp: 284490
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.2 6.6 9.8
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 66.218 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

Instrument :

BNA_F

ClientSampled :

EP-8-S1

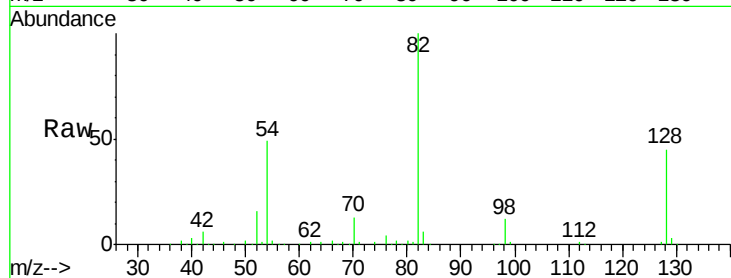
Tgt Ion: 82 Resp: 338980

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

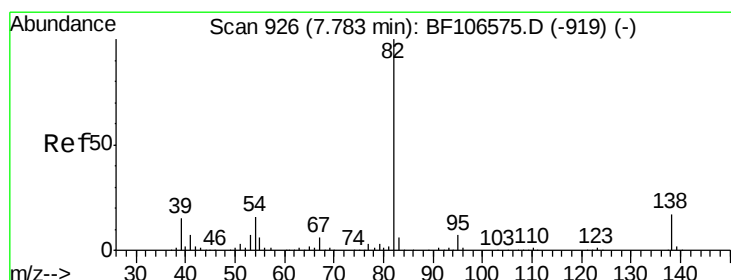
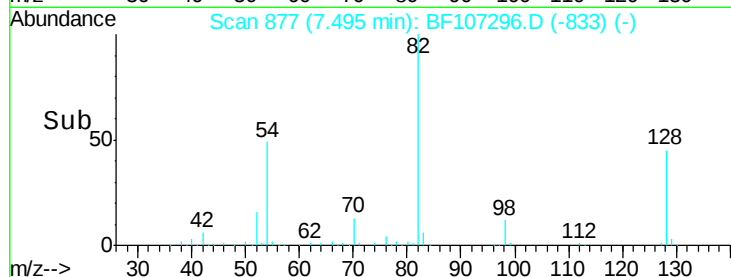
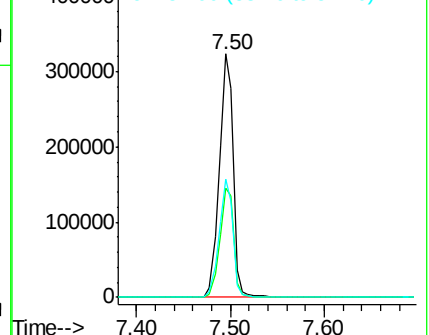
54 48.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 37.552 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.29 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

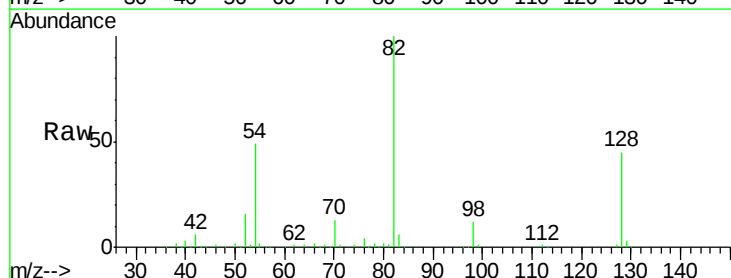
Tgt Ion: 82 Resp: 338743

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

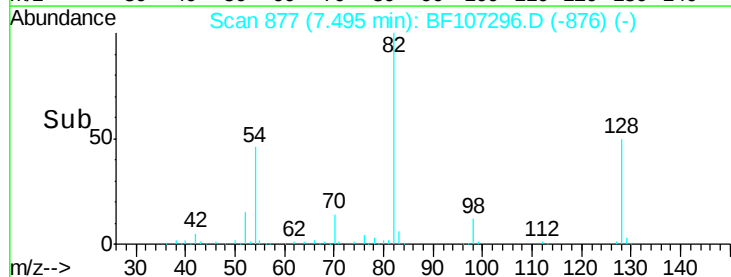
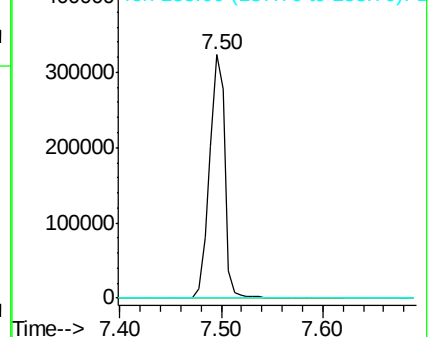
138 0.0 14.9 22.3#

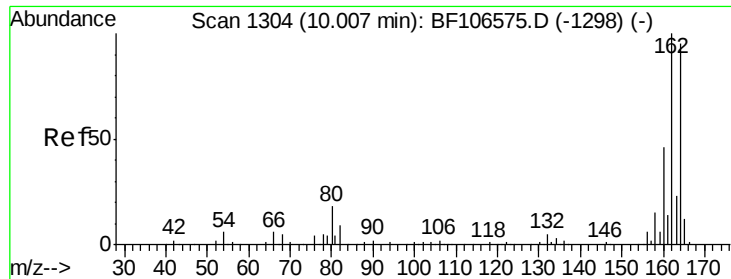


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.03 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

Instrument :

BNA_F

ClientSampled :

EP-8-S1

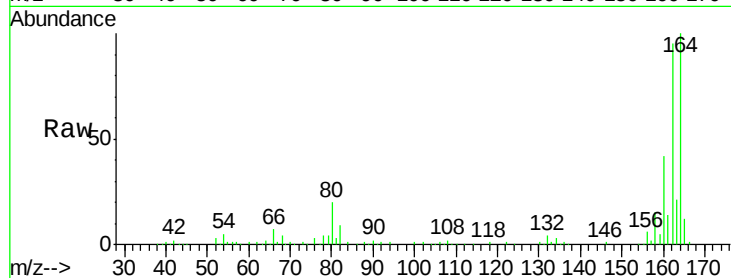
Tgt Ion:164 Resp: 148550

Ion Ratio Lower Upper

164 100

162 95.2 86.1 129.1

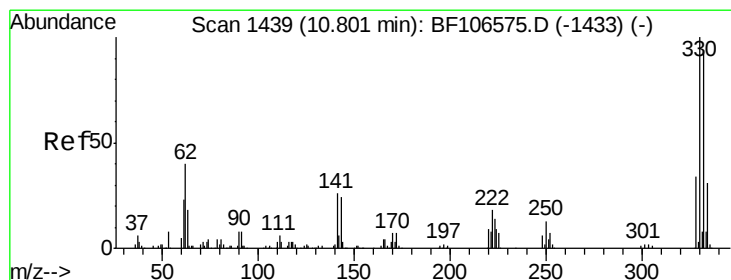
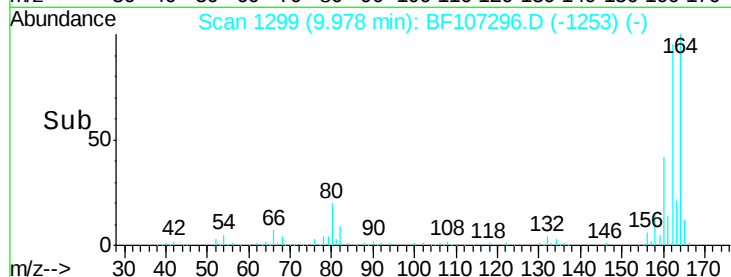
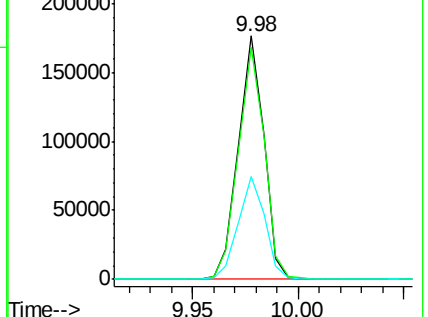
160 42.2 38.3 57.5



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: 106.543 ng

RT: 10.78 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

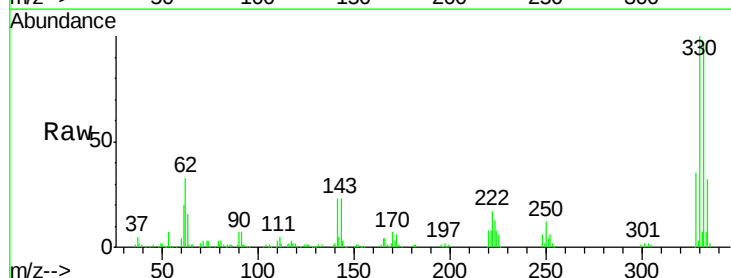
Tgt Ion:330 Resp: 183439

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

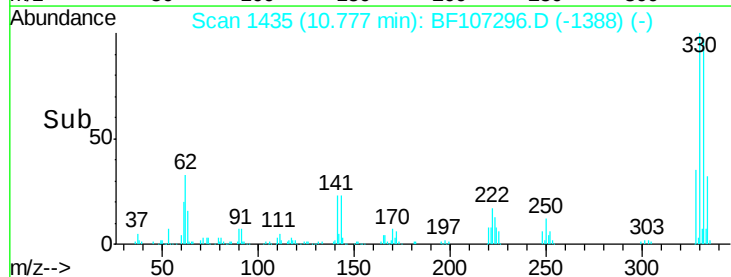
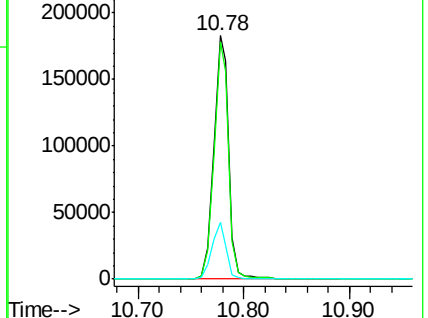
141 22.5 29.9 44.9#



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

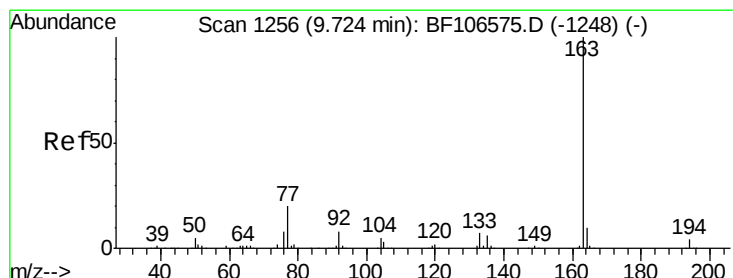
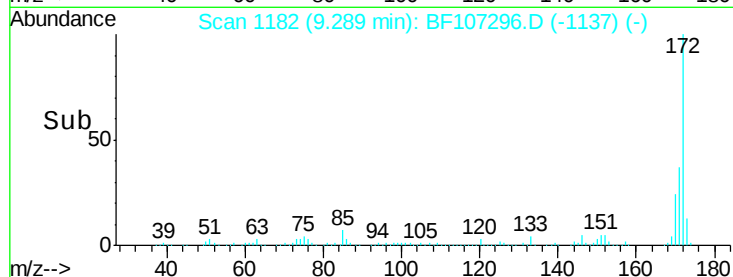
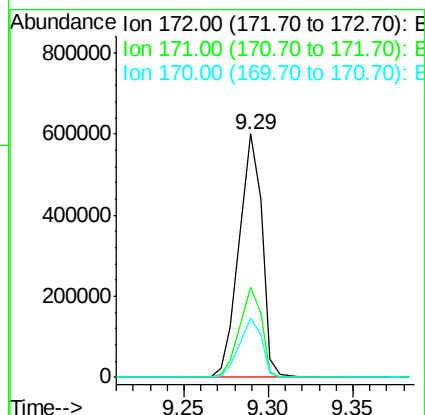
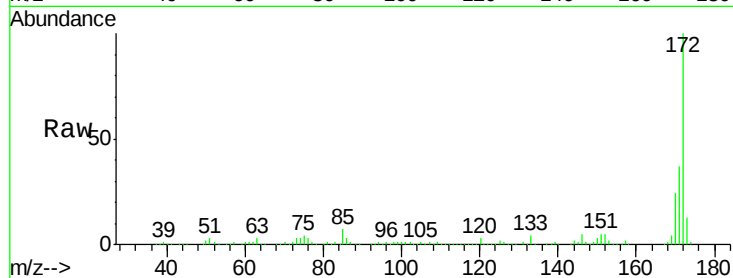




#44
 2-Fluorobiphenyl
 Concen: 60.433 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

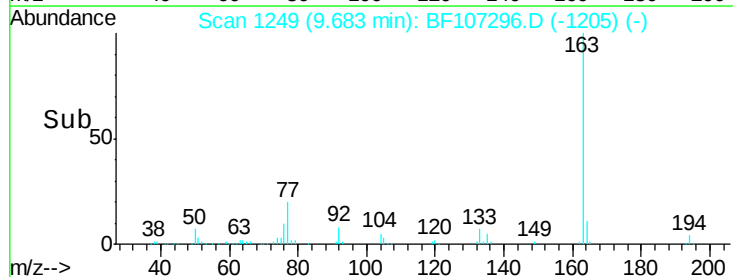
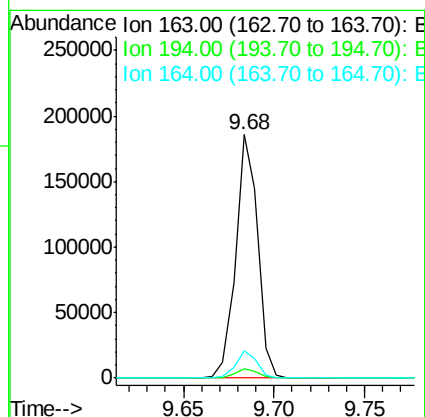
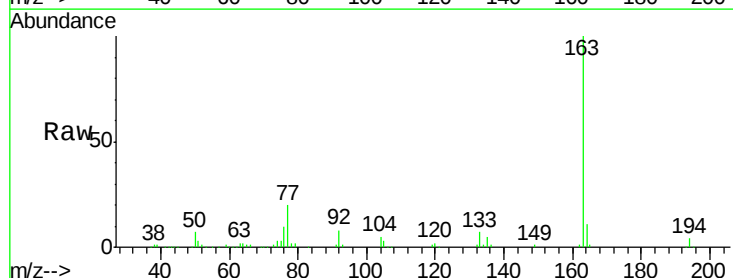
Instrument :
 BNA_F
 ClientSampleId :
 EP-8-S1

Tgt Ion:172 Resp: 567799
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.2 19.6 29.4



#49
 Dimethylphthalate
 Concen: 14.066 ng
 RT: 9.68 min Scan# 1249
 Delta R.T. -0.04 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

Tgt Ion:163 Resp: 156717
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.7 4.1
 164 11.0 8.2 12.2

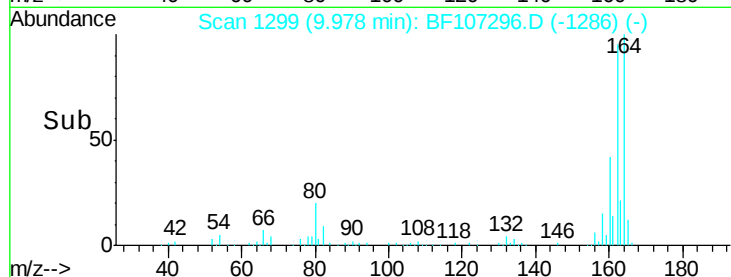
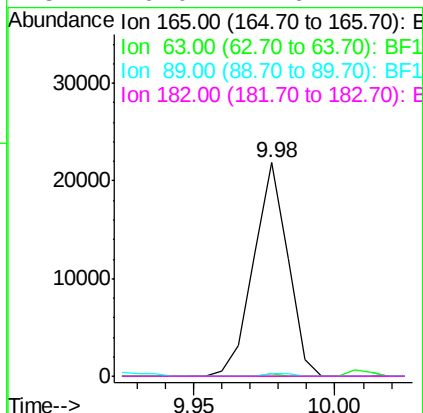
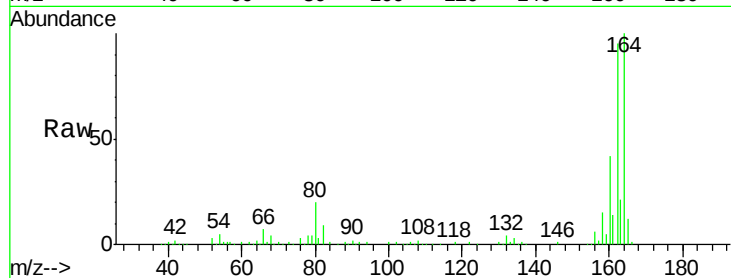




#56
2,4-Dinitrotoluene
Concen: 5.984 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.22 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

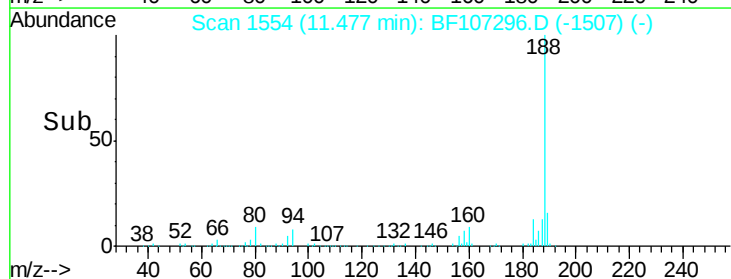
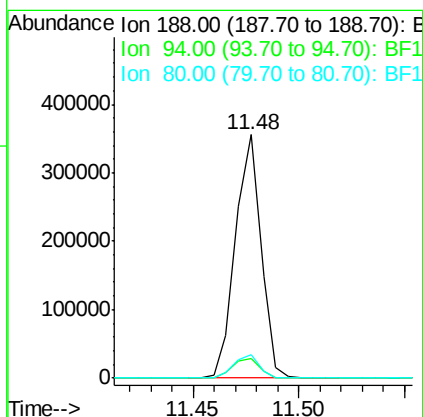
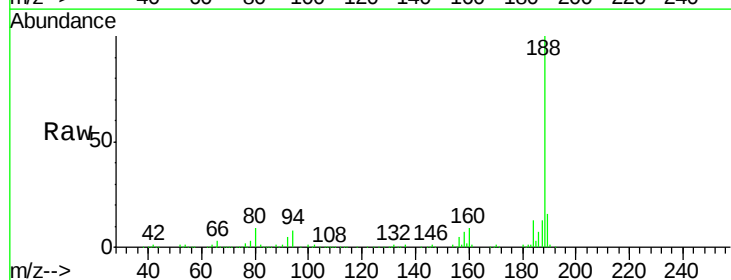
Instrument :
BNA_F
ClientSampleId :
EP-8-S1

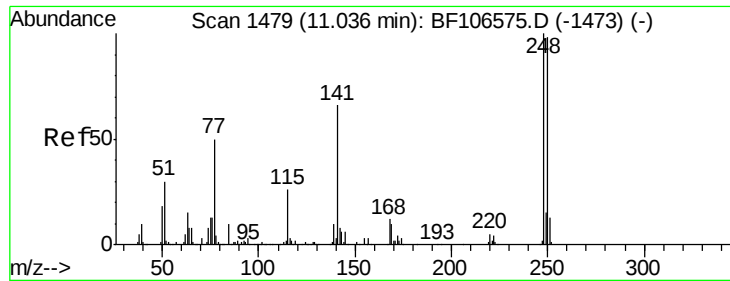
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.4	9.2	13.8

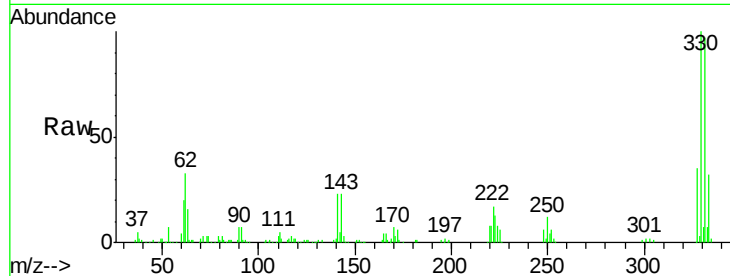




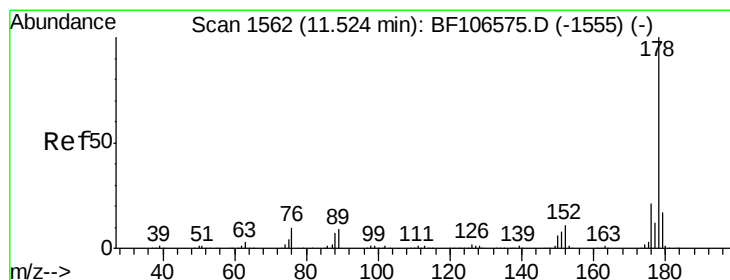
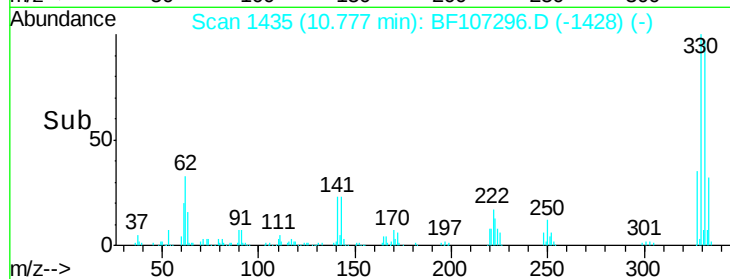
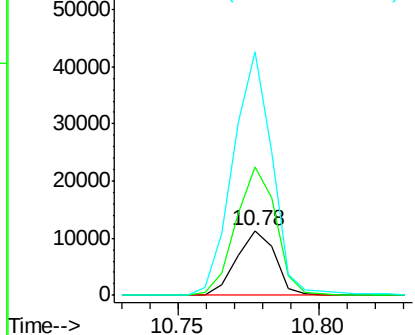
#66
 4-Bromophenyl-phenylether
 Concen: 3.038 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.26 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

Instrument :
 BNA_F
 ClientSampleId :
 EP-8-S1

Tgt Ion:248 Resp: 10751
 Ion Ratio Lower Upper
 248 100
 250 198.3 76.9 115.3#
 141 376.8 74.4 111.6#

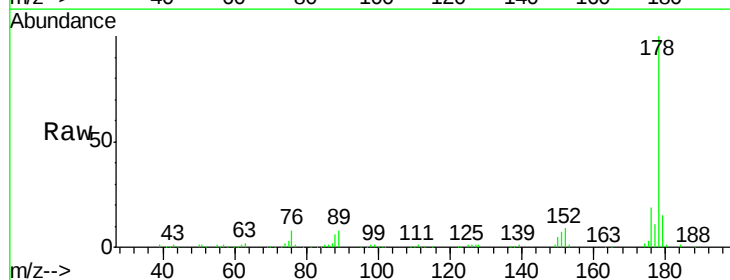


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

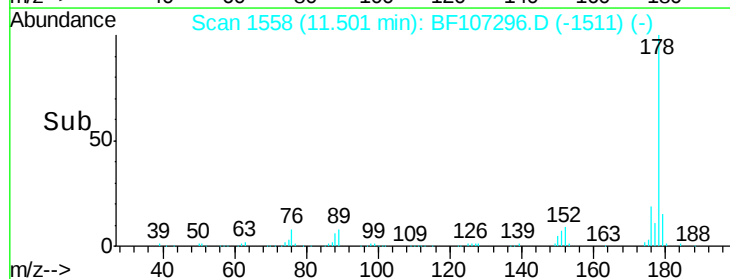
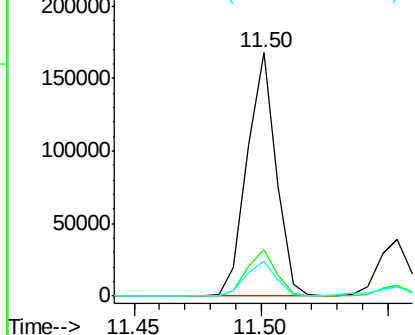


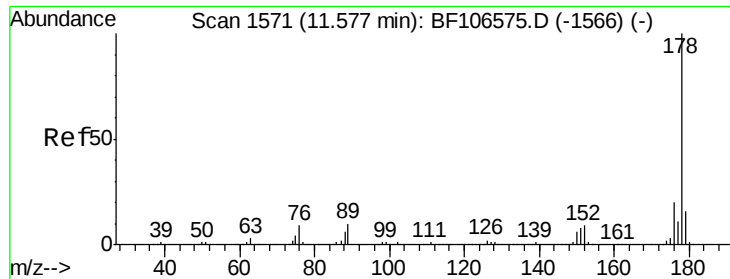
#70
 Phenanthrene
 Concen: 9.325 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.02 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

Tgt Ion:178 Resp: 133371
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.5 13.0 19.6



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

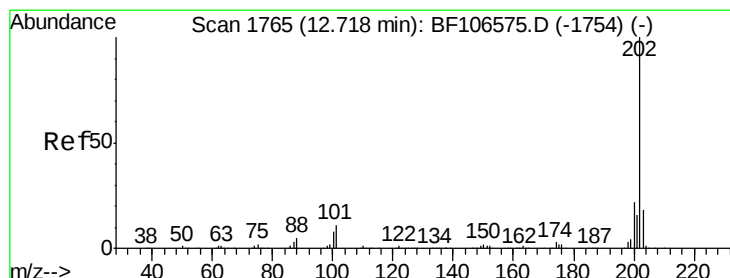
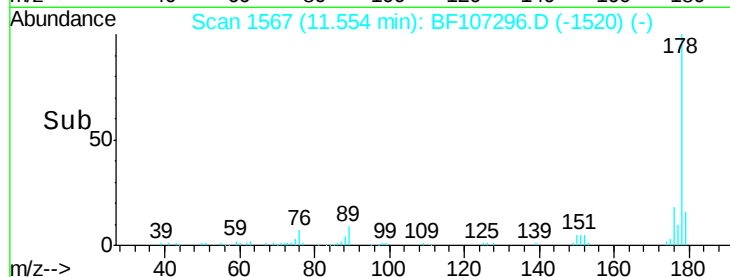
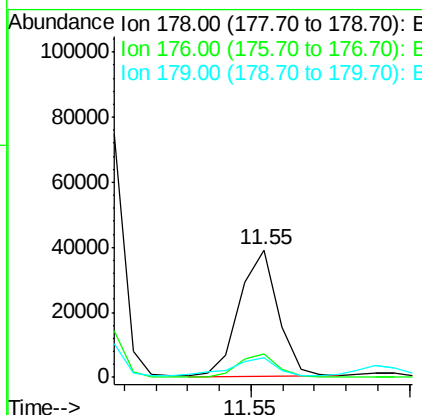
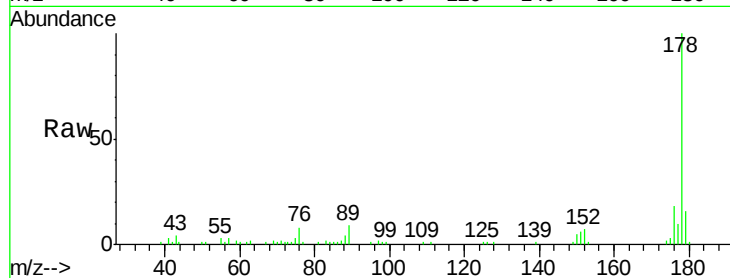




#71
 Anthracene
 Concen: 2.232 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

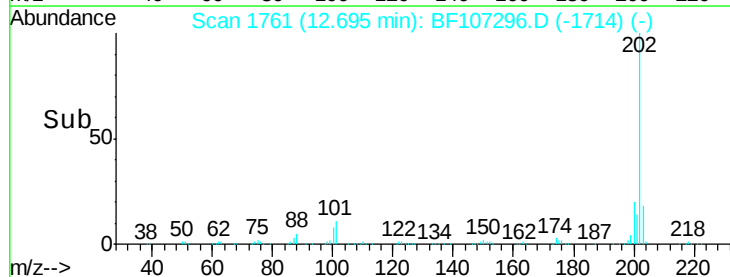
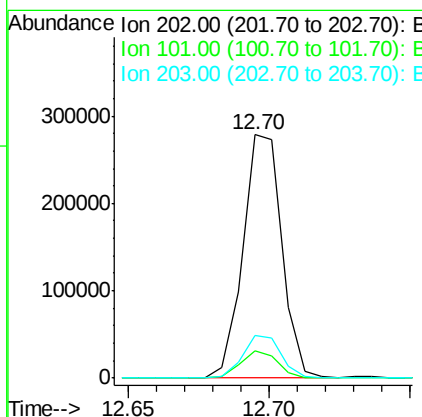
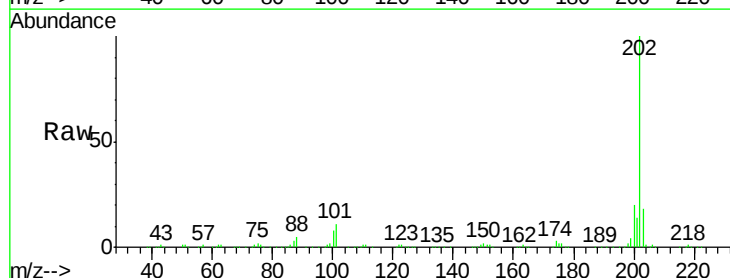
Instrument :
 BNA_F
 ClientSampleId :
 EP-8-S1

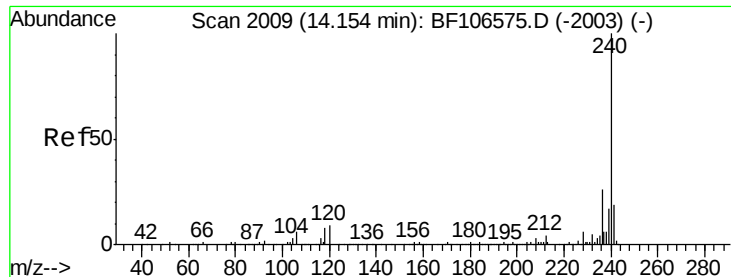
Tgt Ion:178 Resp: 32587
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 15.7 12.6 19.0



#74
 Fluoranthene
 Concen: 16.861 ng
 RT: 12.70 min Scan# 1761
 Delta R.T. -0.02 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

Tgt Ion:202 Resp: 265803
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 34.1
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

Instrument :

BNA_F

ClientSampleId :

EP-8-S1

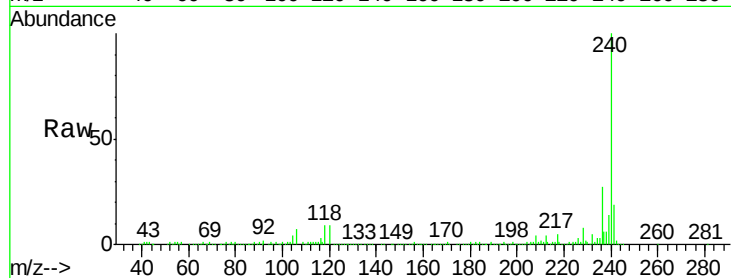
Tgt Ion:240 Resp: 221020

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

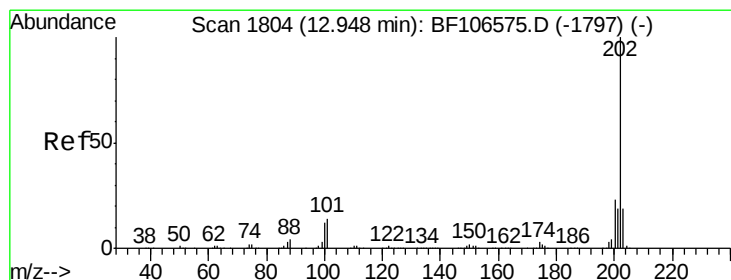
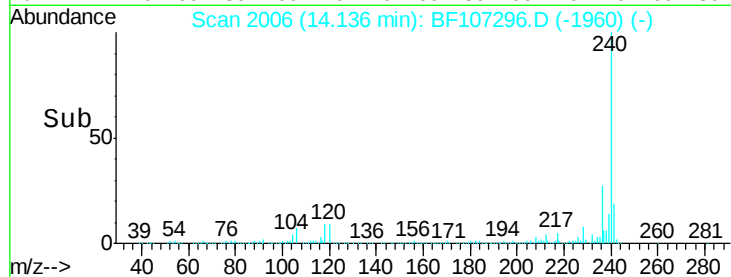
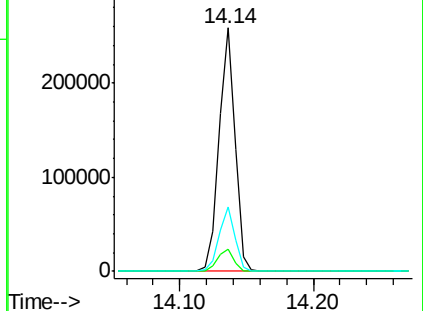
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.605 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

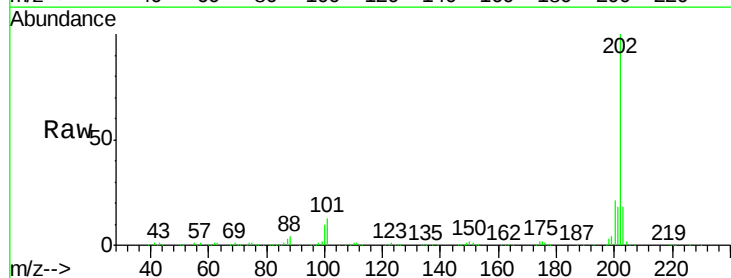
Tgt Ion:202 Resp: 242009

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

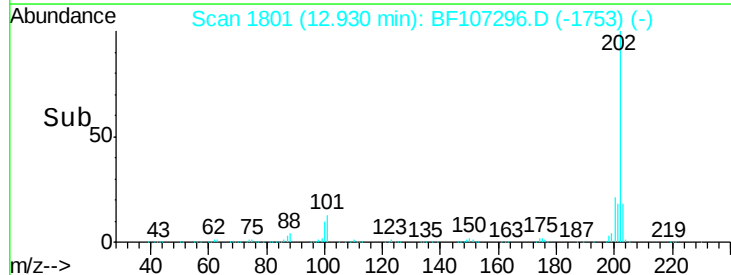
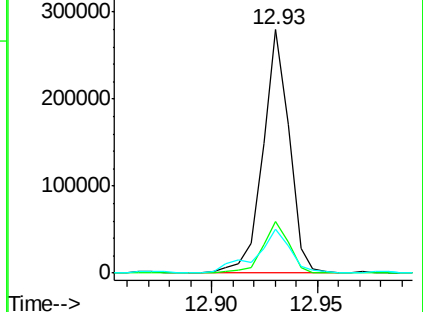
203 18.0 14.3 21.5

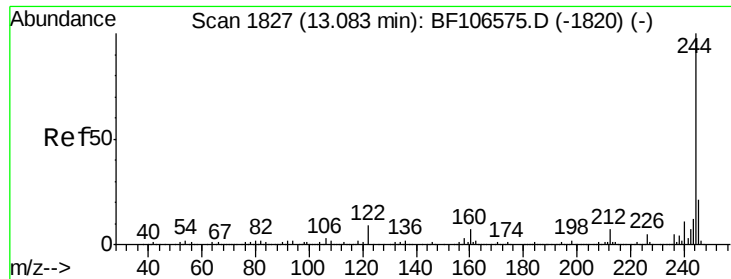


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

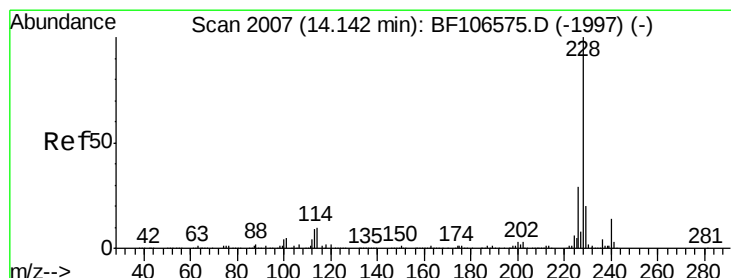
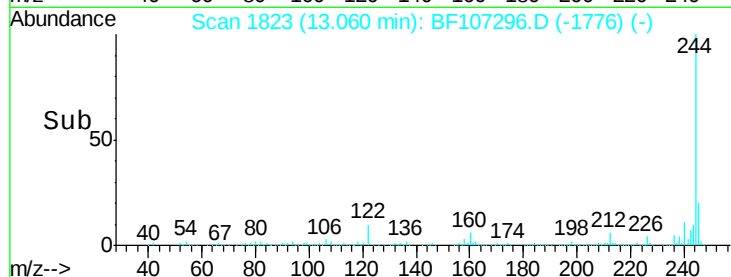
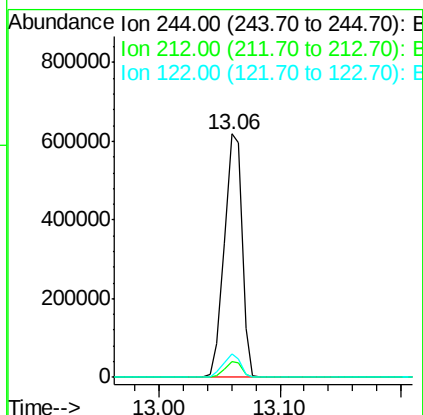
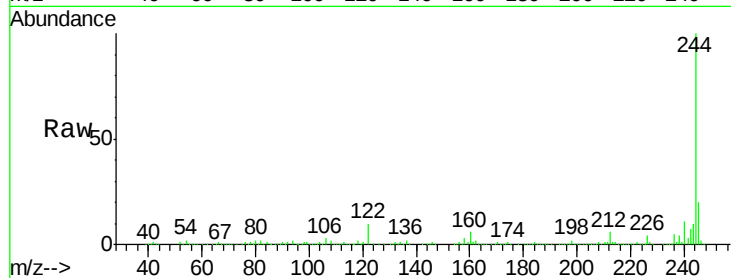




#78
 Terphenyl-d14
 Concen: 68.996 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

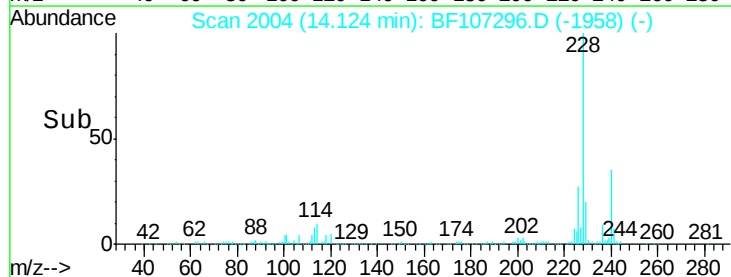
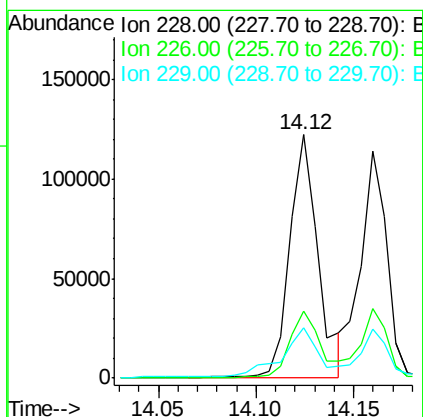
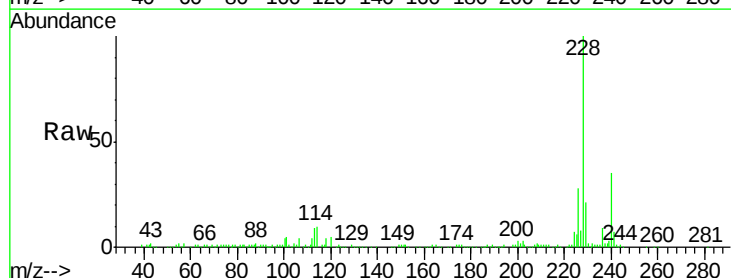
Instrument :
 BNA_F
 ClientSampleId :
 EP-8-S1

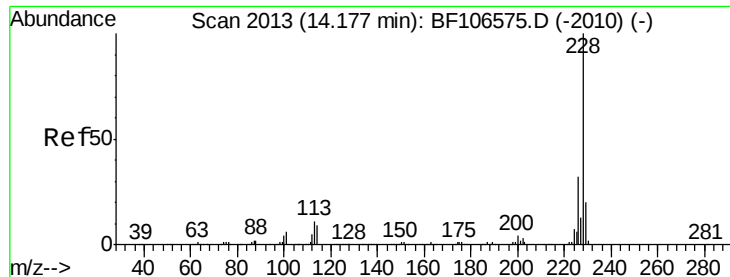
Tgt Ion:244 Resp: 629549
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.6 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 9.211 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107296.D
 Acq: 11 Jul 2018 13:32

Tgt Ion:228 Resp: 124084
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.6 33.8
 229 20.7 15.8 23.6





#82

Chrysene

Concen: 8.625 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

Instrument :

BNA_F

ClientSampleId :

EP-8-S1

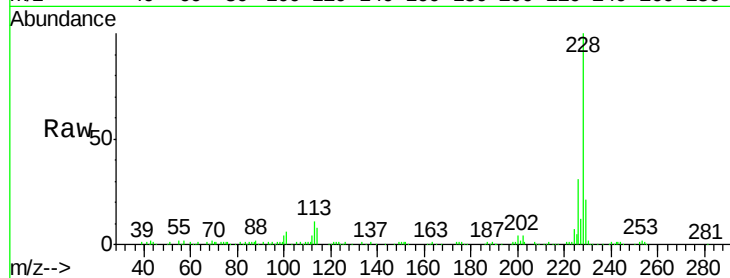
Tgt Ion: 228 Resp: 106883

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

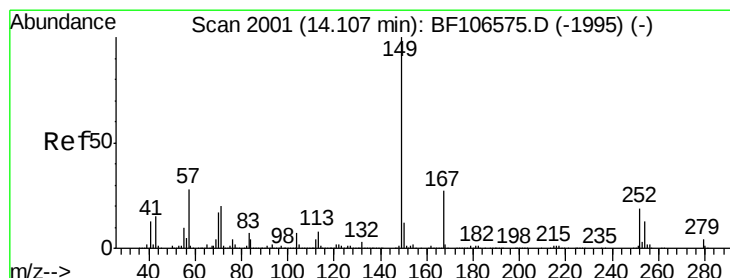
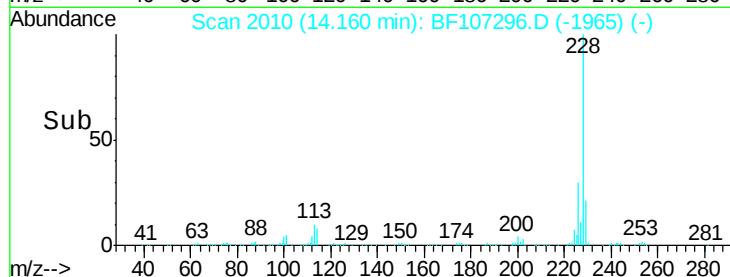
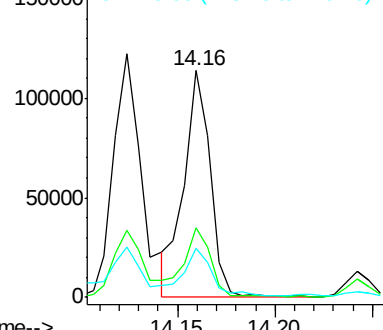
229 21.5 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 19.588 ng

RT: 14.08 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

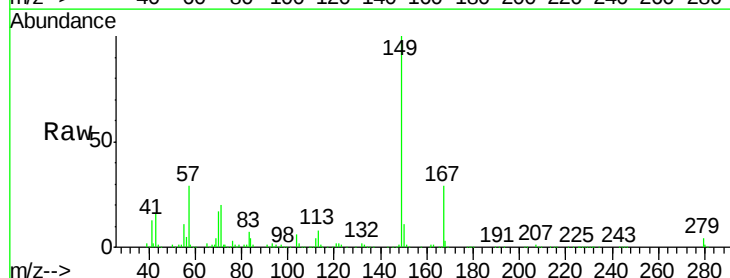
Tgt Ion: 149 Resp: 150069

Ion Ratio Lower Upper

149 100

167 28.9 21.3 31.9

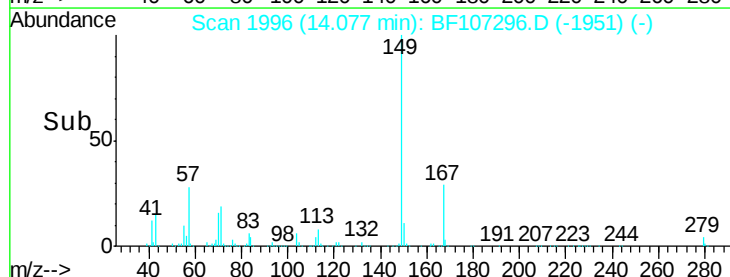
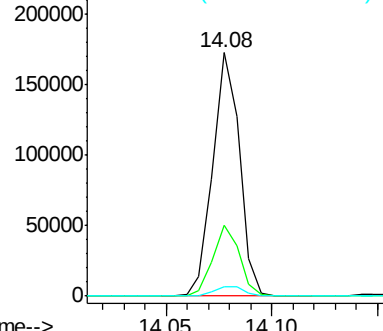
279 3.9 3.0 4.4

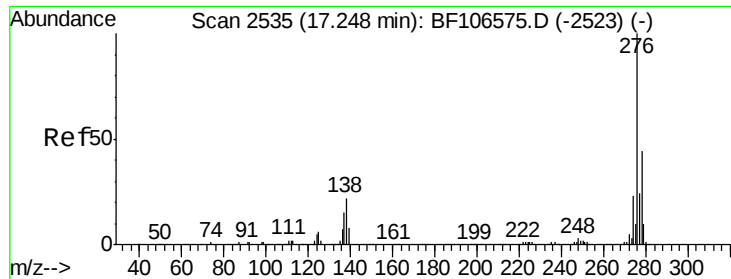


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.410 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

Instrument :

BNA_F

ClientSampled :

EP-8-S1

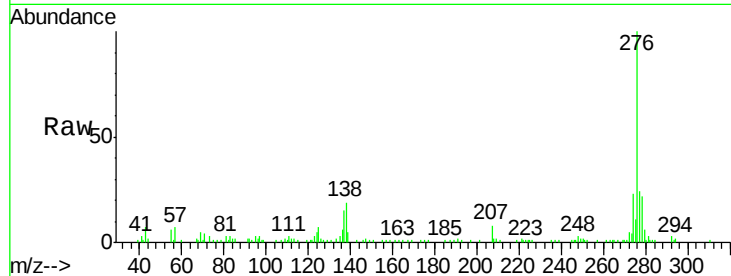
Tgt Ion: 276 Resp: 77932

Ion Ratio Lower Upper

276 100

138 20.1 25.0 37.6#

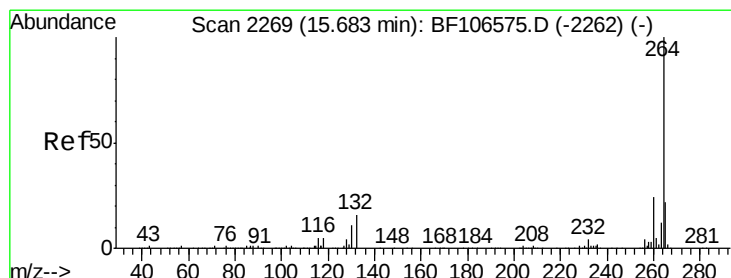
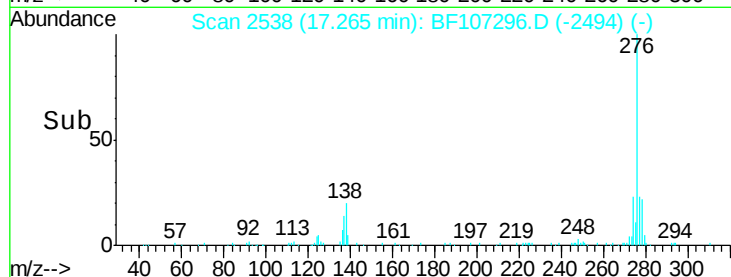
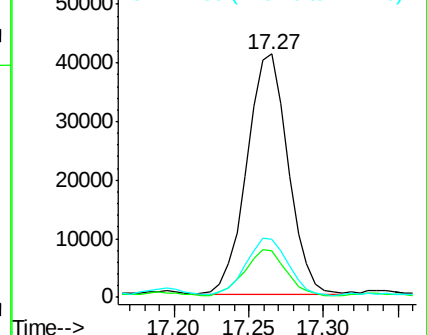
277 25.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

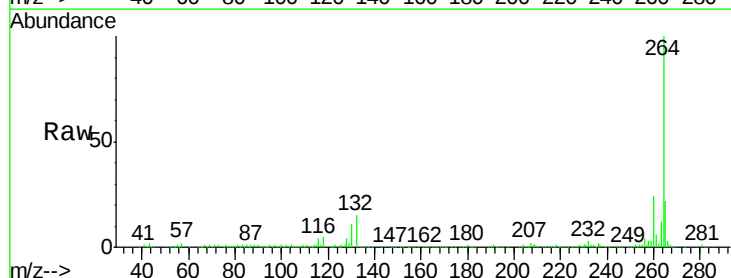
Tgt Ion: 264 Resp: 237176

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

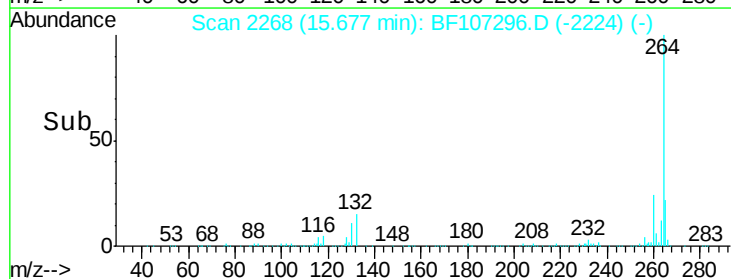
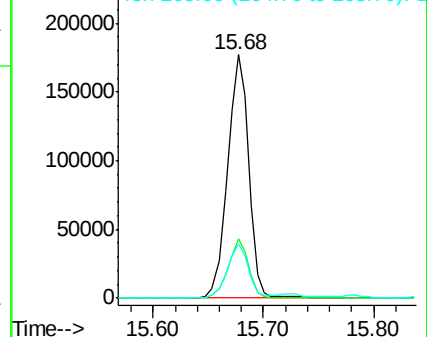
265 22.0 17.5 26.3

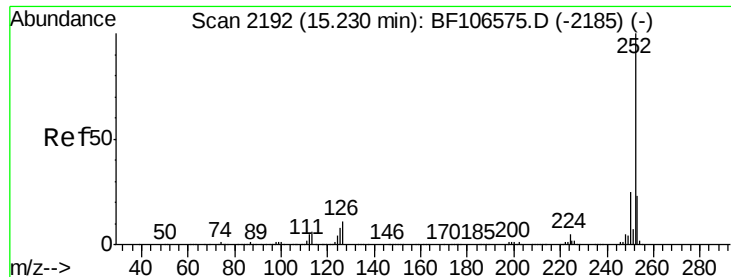


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

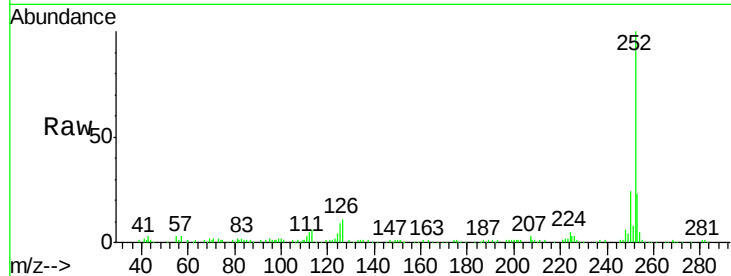




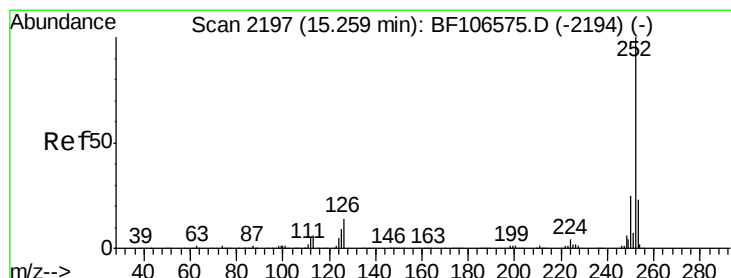
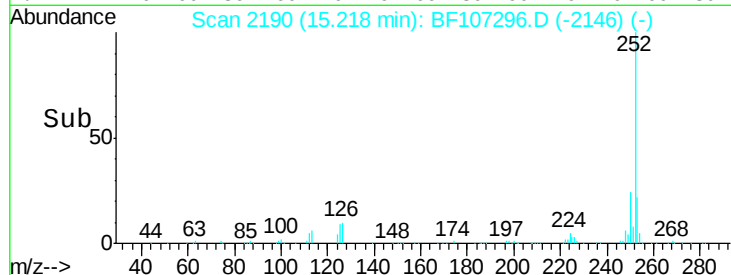
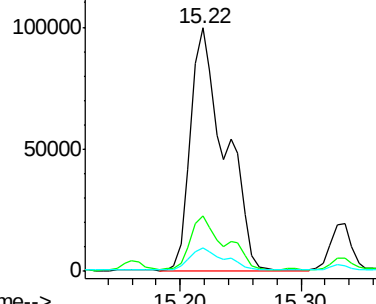
#87
Benzo(b)fluoranthene
Concen: 13.525 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

Instrument :
BNA_F
ClientSampled :
EP-8-S1

Tgt Ion:252 Resp: 199261
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 9.4 9.0 13.6

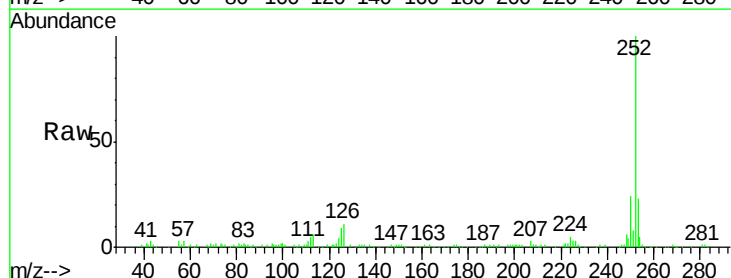


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

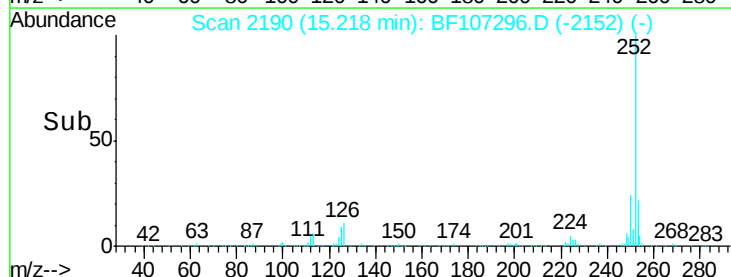
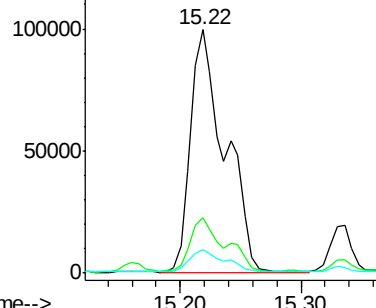


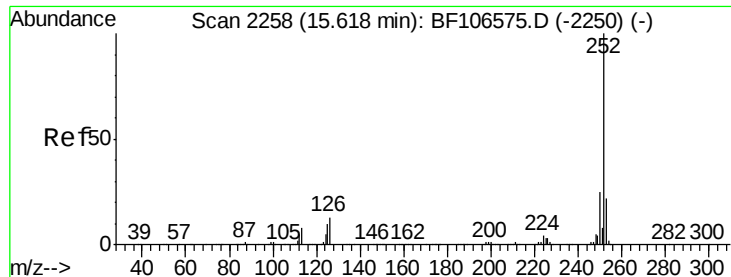
#88
Benzo(k)fluoranthene
Concen: 14.202 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.08 min
Lab File: BF107296.D
Acq: 11 Jul 2018 13:32

Tgt Ion:252 Resp: 199261
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 9.4 10.2 15.2#



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





#89

Benzo(a)pyrene

Concen: 5.681 ng

RT: 15.54 min Scan# 2245

Delta R.T. -0.11 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

Instrument :

BNA_F

ClientSampleId :

EP-8-S1

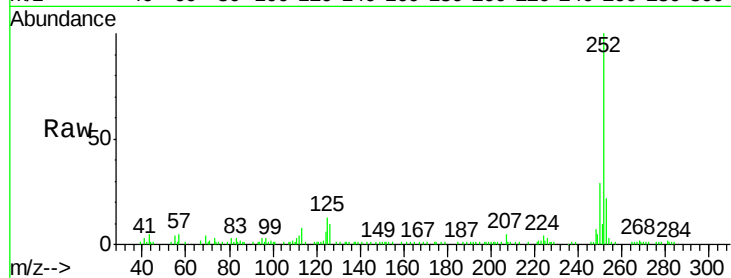
Tgt Ion:252 Resp: 74410

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

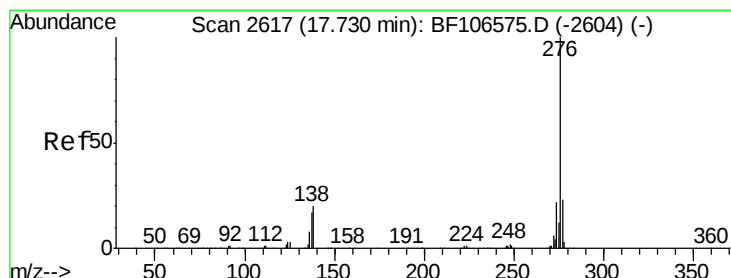
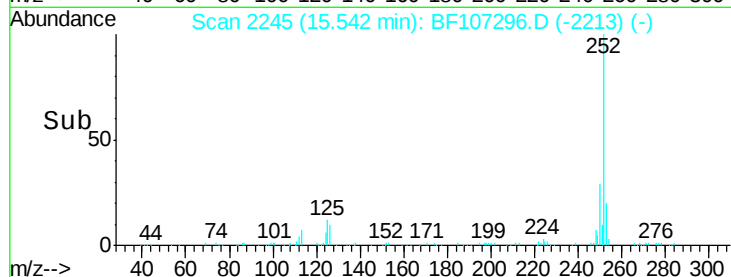
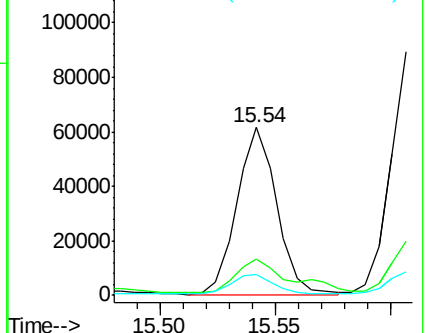
125 12.8 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 7.399 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.04 min

Lab File: BF107296.D

Acq: 11 Jul 2018 13:32

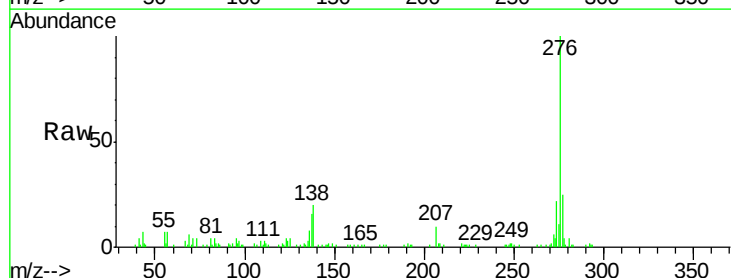
Tgt Ion:276 Resp: 80278

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 19.7 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

