

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062918\
 Data File : BF106982.D
 Acq On : 29 Jun 2018 19:20
 Operator : JU/SJ
 Sample : J3732-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-8(3-8)

Quant Time: Jun 29 23:10:16 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	6.95	152	68128	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	247405	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	109190	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	179970	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	187630	20.00	ng	-0.02
86) Perylene-d12	15.68	264	143239	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	500921	124.50	ng	0.00
7) Phenol-d6	6.60	99	616050	122.61	ng	-0.01
23) Nitrobenzene-d5	7.52	82	383908	86.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	167878	132.65	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	661473	106.22	ng	-0.02
78) Terphenyl-d14	13.07	244	649992	83.91	ng	-0.01

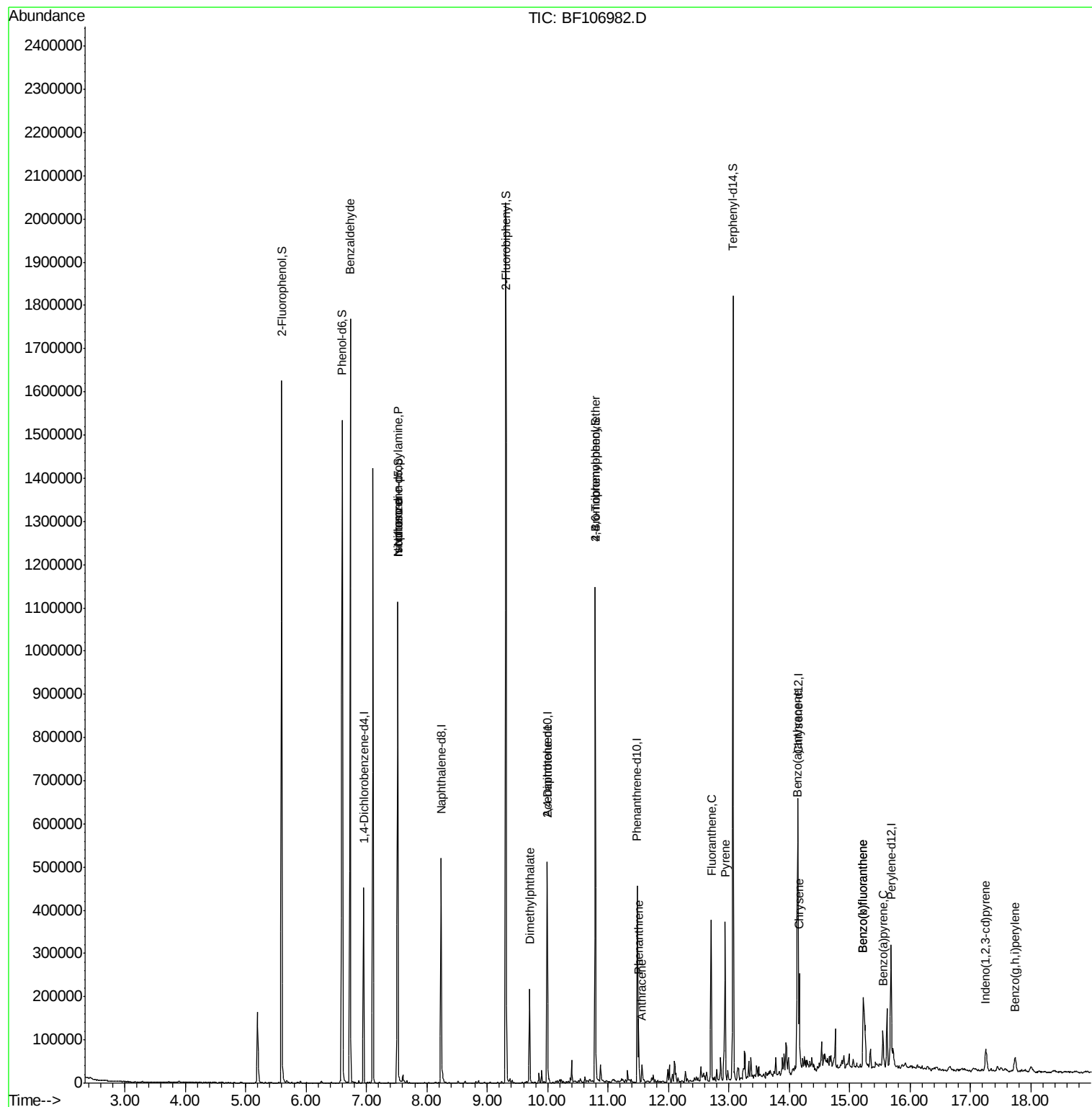
Target Compounds				Qvalue		
9) Benzaldehyde	6.73	77	11145	2.628	ng	85
19) n-Nitroso-di-n-propylamine	7.52	70	50474	15.240	ng	# 71
25) Isophorone	7.52	82	383904	48.937	ng	# 64
49) Dimethylphthalate	9.70	163	88870	10.852	ng	98
56) 2,4-Dinitrotoluene	10.00	165	13892	6.137	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	10252	4.773	ng	# 1
70) Phenanthrene	11.51	178	56644	6.526	ng	99
71) Anthracene	11.56	178	18560	2.095	ng	99
74) Fluoranthene	12.71	202	161501	16.880	ng	93
77) Pyrene	12.94	202	147222	11.899	ng	98
80) Benzo(a)anthracene	14.13	228	109314	9.559	ng	99
82) Chrysene	14.17	228	89054	8.465	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	35466	3.972	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	135151	15.189	ng	96
88) Benzo(k)fluoranthene	15.22	252	135151	15.950	ng	# 97
89) Benzo(a)pyrene	15.55	252	43815	5.539	ng	98
91) Benzo(g,h,i)perylene	17.74	276	30486	4.653	ng	# 90

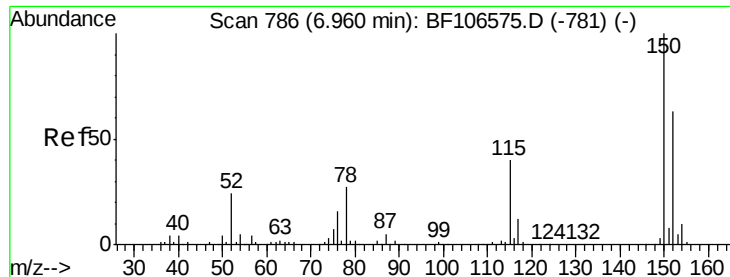
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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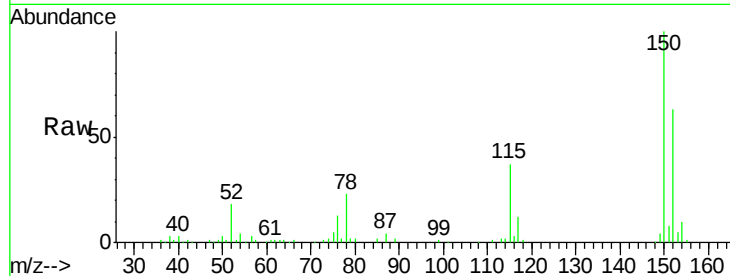


#1

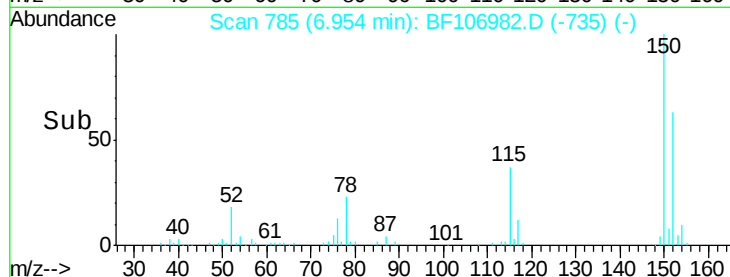
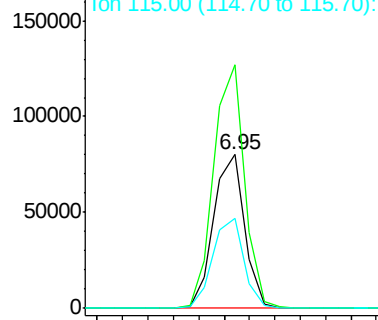
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

Instrument :
BNA_F
ClientSampleId :
EPE-106-8(3-8)

Tgt Ion:152 Resp: 68128
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 58.7 50.1 75.1



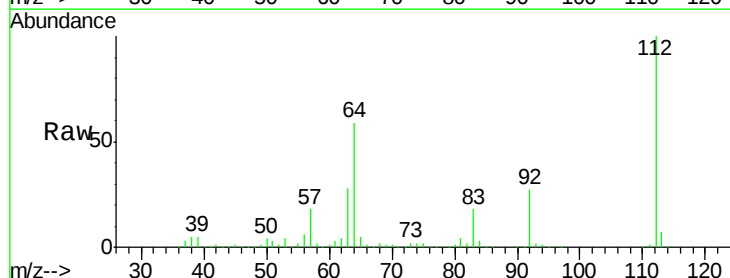
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



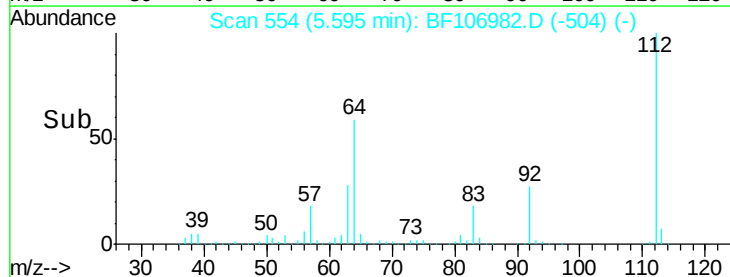
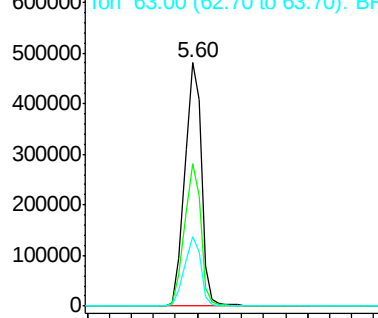
#5

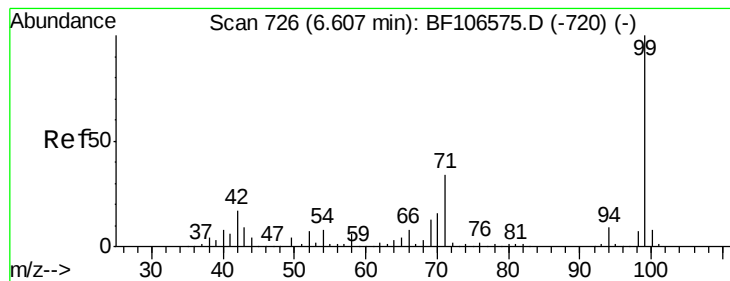
2-Fluorophenol
Concen: 124.504 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

Tgt Ion:112 Resp: 500921
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 28.4 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: 122.612 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EPE-106-8(3-8)

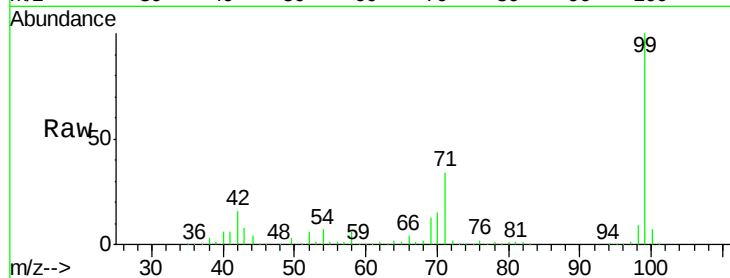
Tgt Ion: 99 Resp: 616050

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

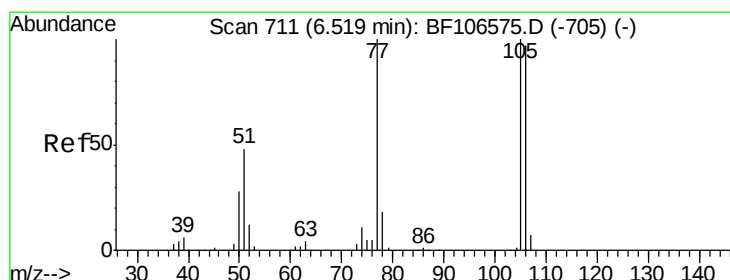
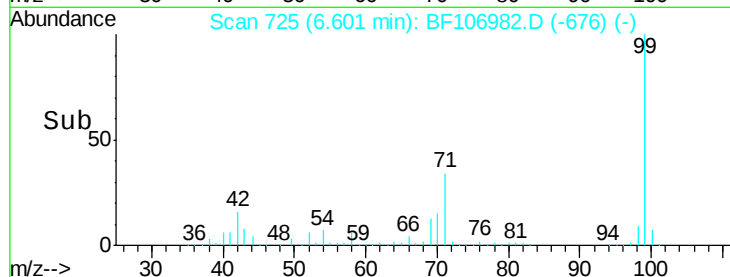
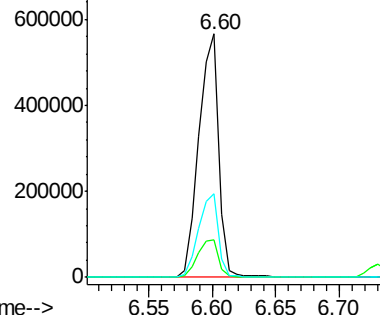
71 34.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.628 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

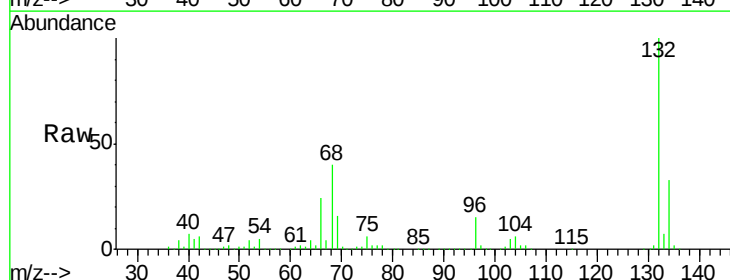
Tgt Ion: 77 Resp: 11145

Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

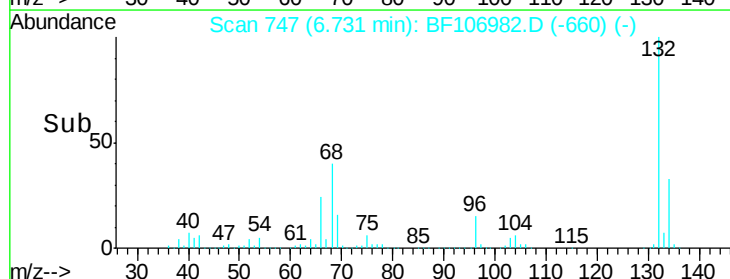
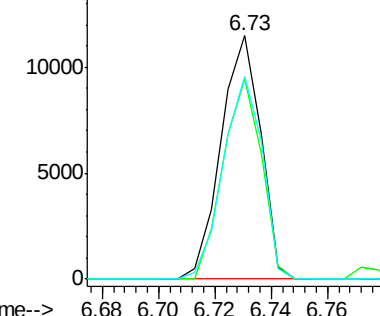
106 83.2 74.5 114.5

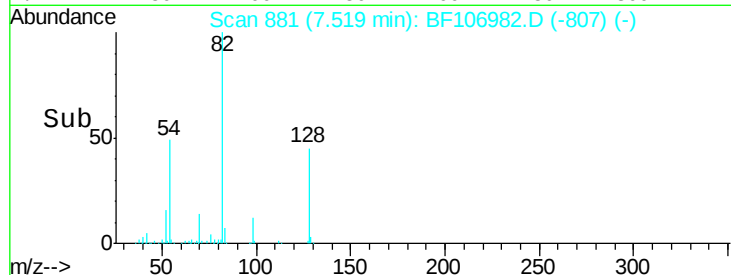
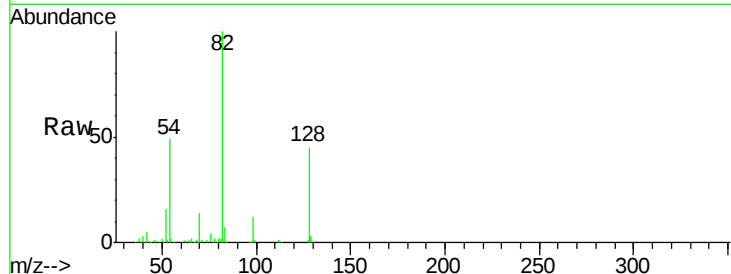
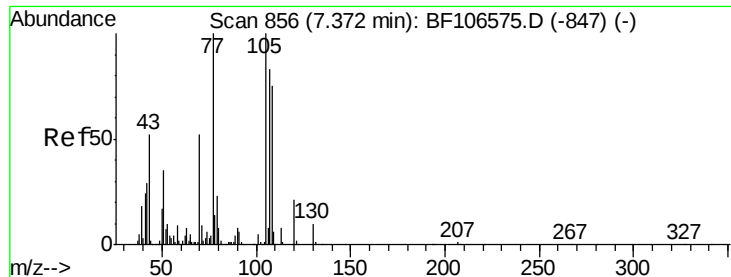


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

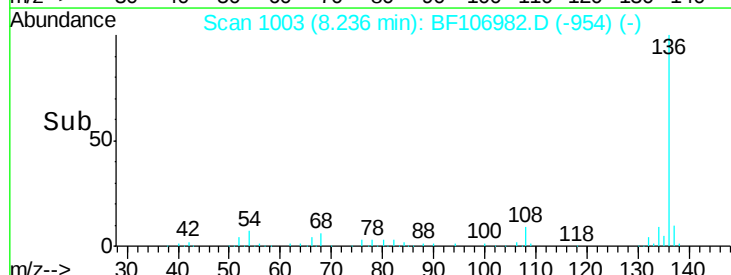
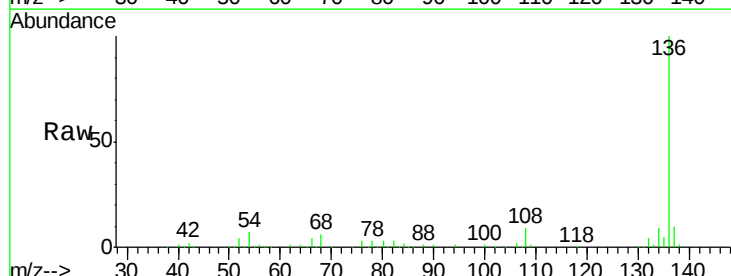
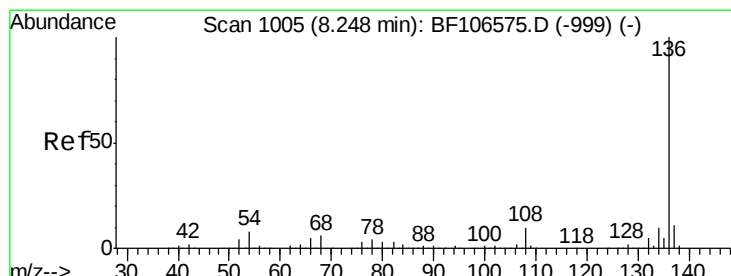
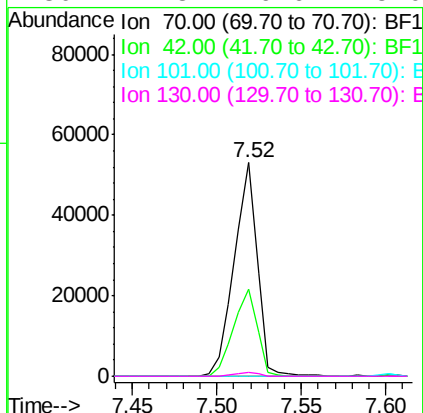




#19
n-Nitroso-di-n-propylamine
Concen: 15.240 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

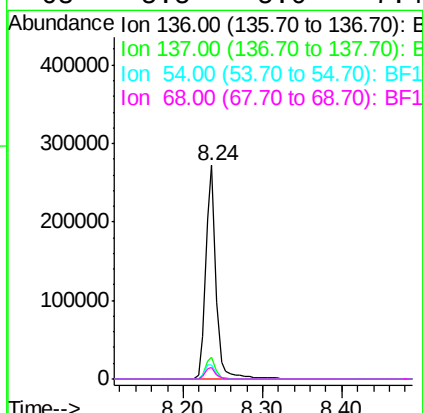
Instrument :
BNA_F
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EPE-106-8(3-8)

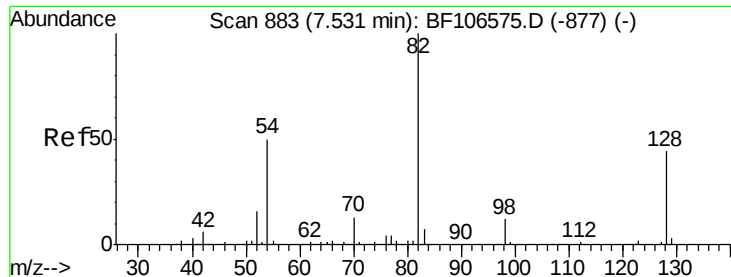
Tgt Ion:	70	Resp:	50474
Ion	Ratio	Lower	Upper
70	100		
42	40.6	47.5	71.3#
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

Tgt Ion:	136	Resp:	247405
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	6.9	6.6	9.8
68	5.5	5.0	7.4

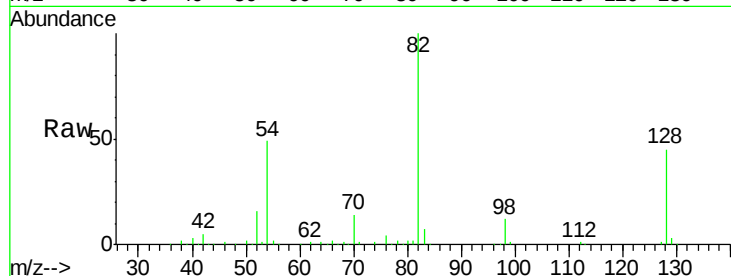




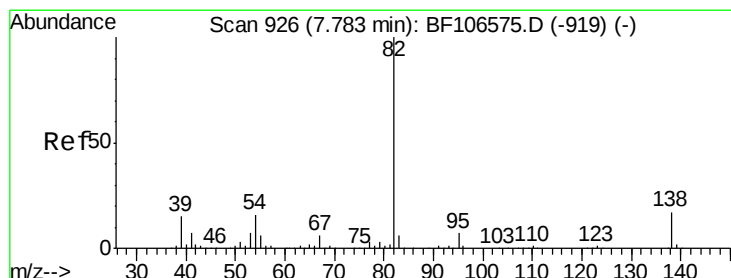
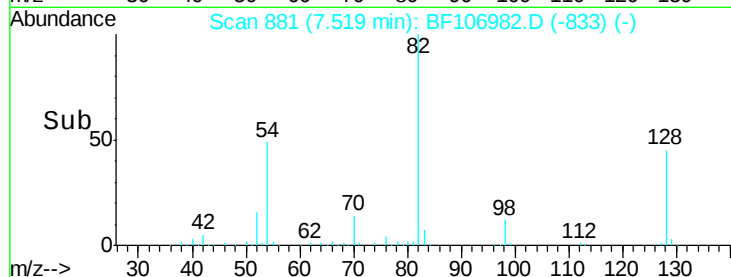
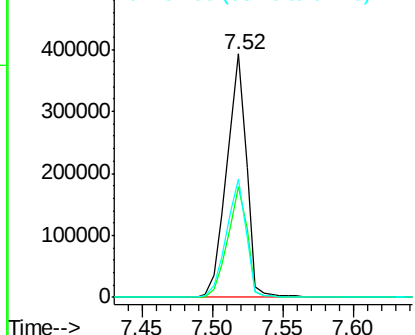
#23
Nitrobenzene-d5
Concen: 86.236 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

Instrument :
BNA_F
ClientSampleId :
EPE-106-8(3-8)

Tgt Ion: 82 Resp: 383908
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 48.7 41.4 62.2

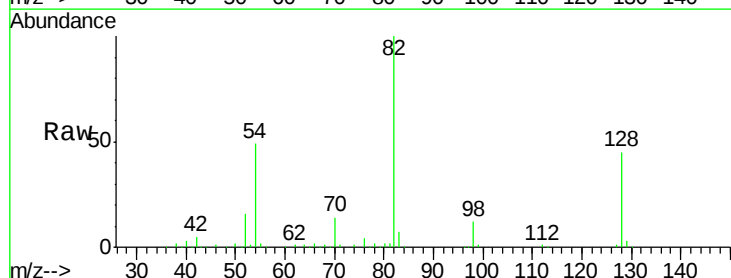


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

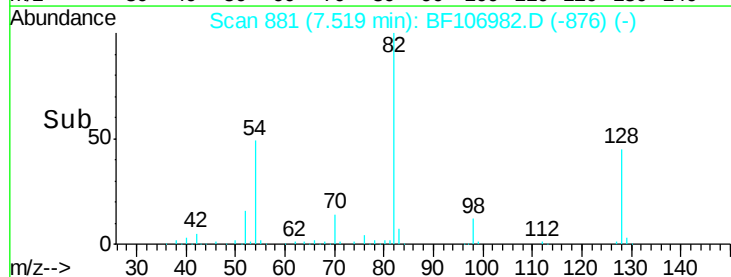
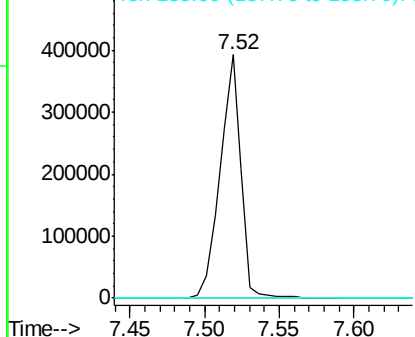


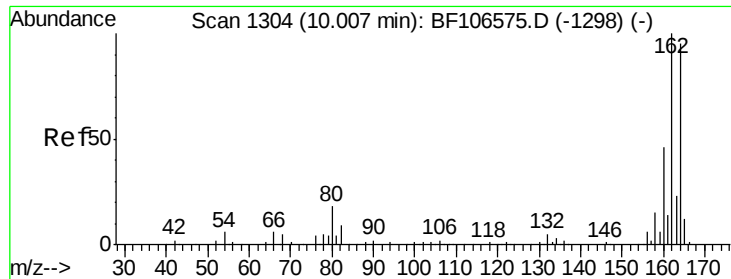
#25
Isophorone
Concen: 48.937 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.27 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

Tgt Ion: 82 Resp: 383904
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: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EPE-106-8(3-8)

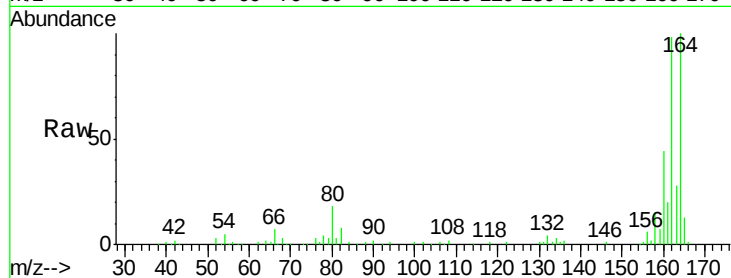
Tgt Ion:164 Resp: 109190

Ion Ratio Lower Upper

164 100

162 98.1 86.1 129.1

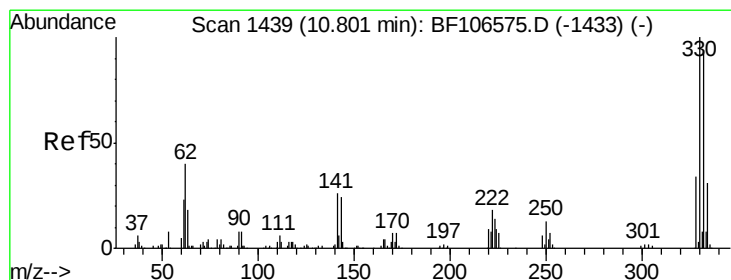
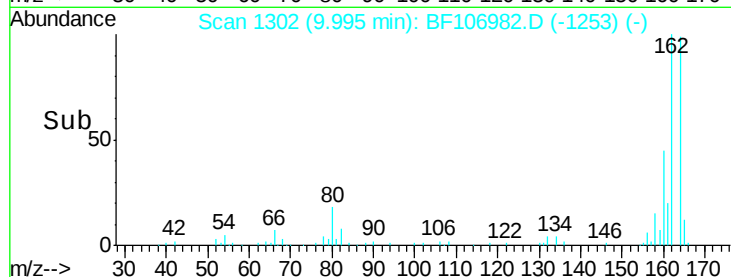
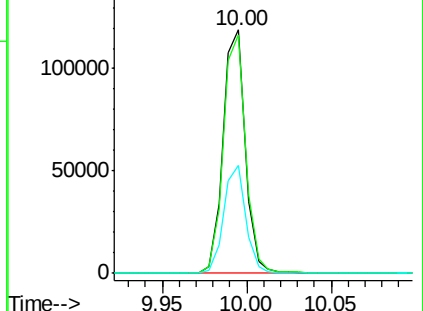
160 44.2 38.3 57.5



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: 132.653 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

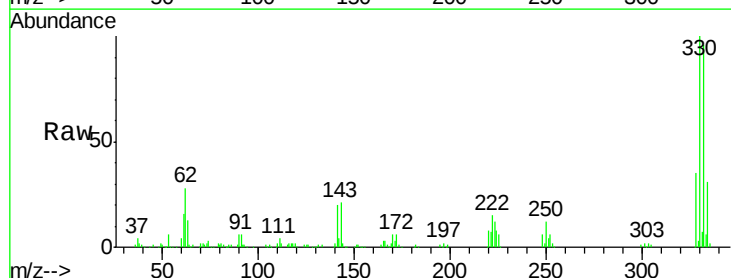
Tgt Ion:330 Resp: 167878

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

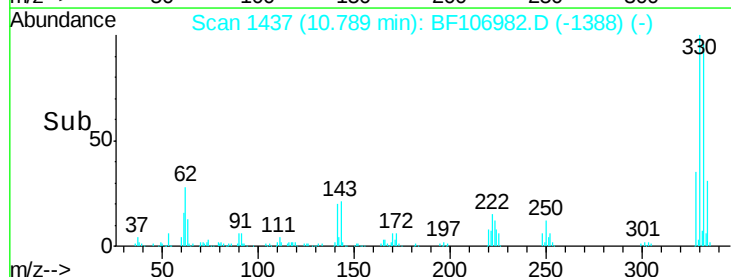
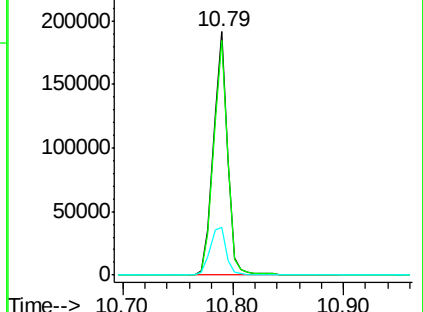
141 22.4 29.9 44.9#



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

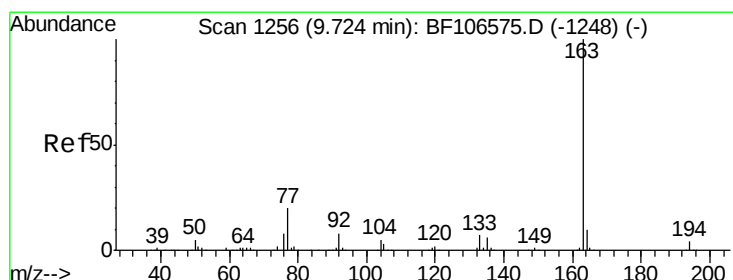
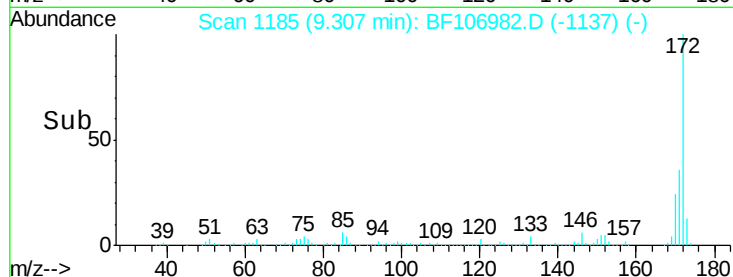
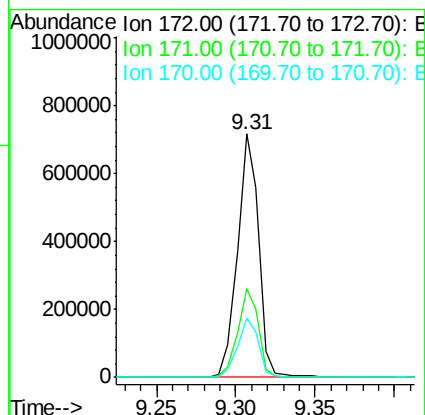
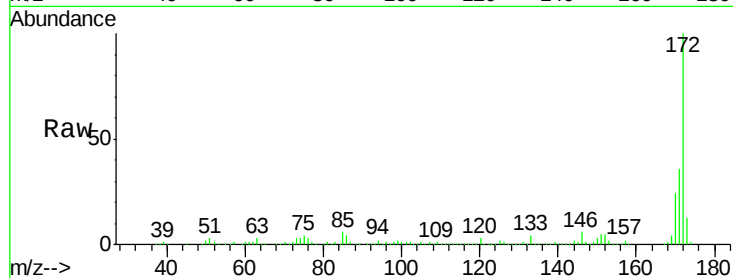




#44
2-Fluorobiphenyl
Concen: 106.222 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

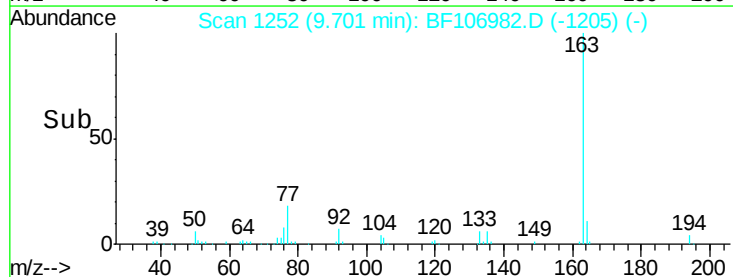
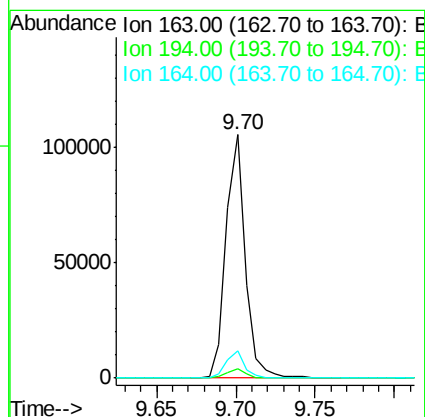
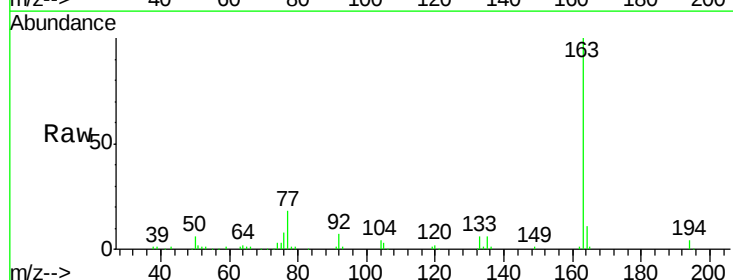
Instrument :
BNA_F
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EPE-106-8(3-8)

Tgt Ion:172 Resp: 661473
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 10.852 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

Tgt Ion:163 Resp: 88870
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 11.0 8.2 12.2

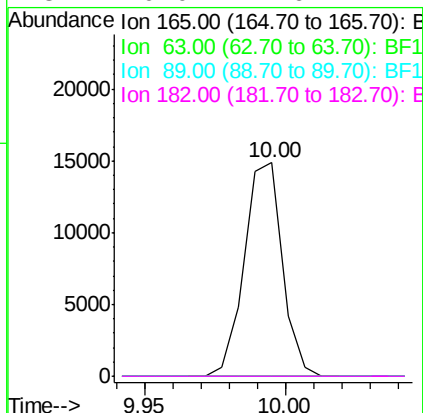
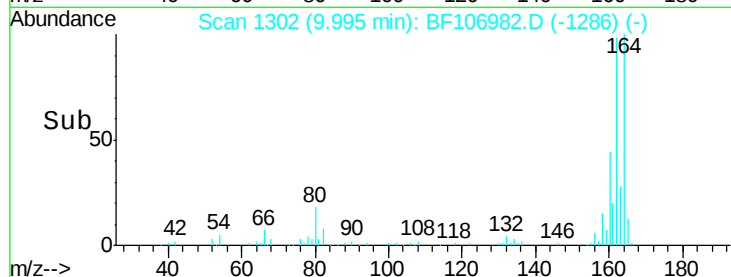
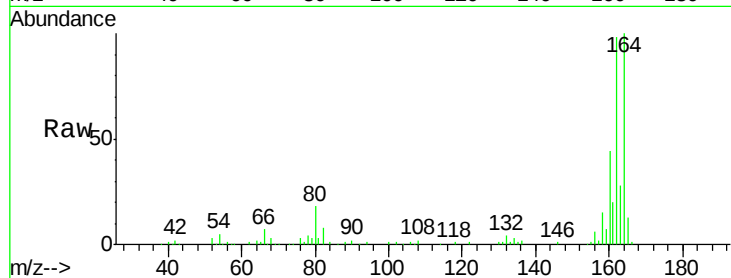




#56
 2,4-Dinitrotoluene
 Concen: 6.137 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

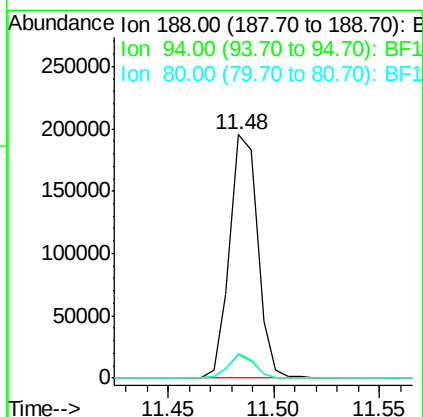
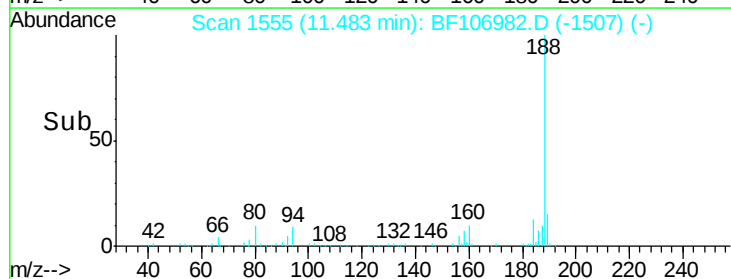
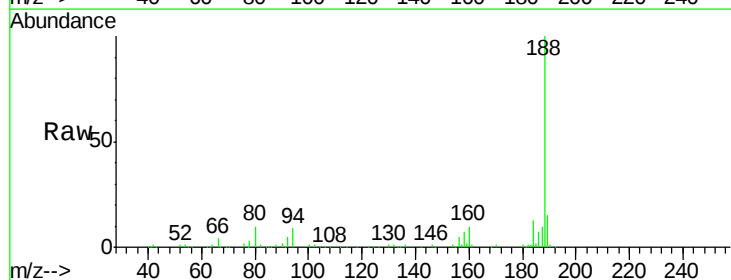
Instrument :
 BNA_F
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 EPE-106-8(3-8)

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



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.0	9.2	13.8

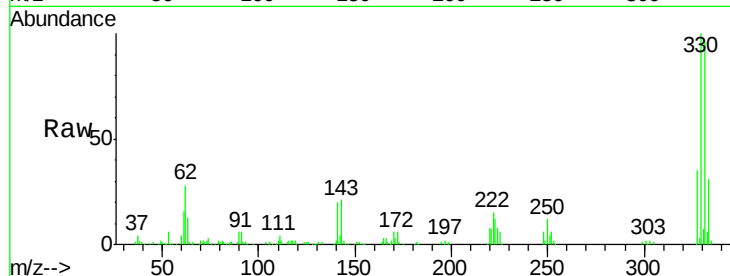




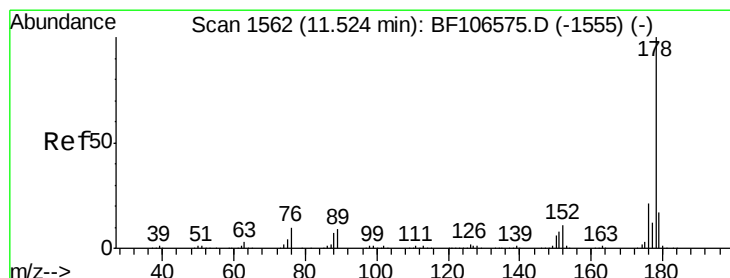
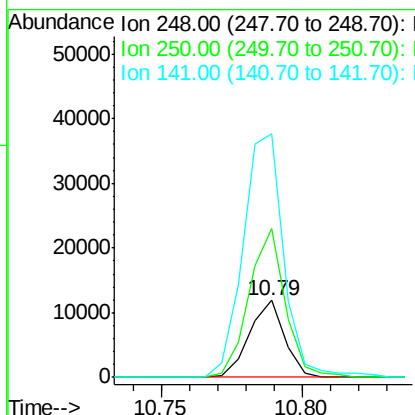
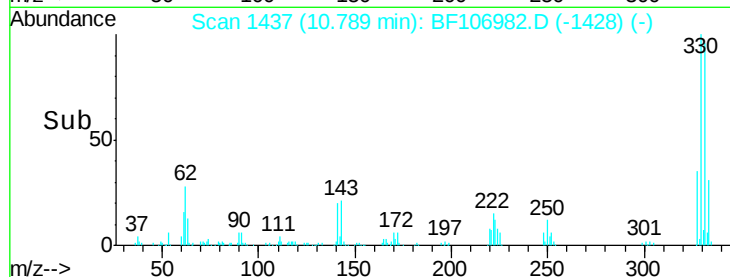
#66
 4-Bromophenyl-phenylether
 Concen: 4.773 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-8(3-8)

Tgt Ion:248 Resp: 10252
 Ion Ratio Lower Upper
 248 100
 250 193.7 76.9 115.3#
 141 317.7 74.4 111.6#

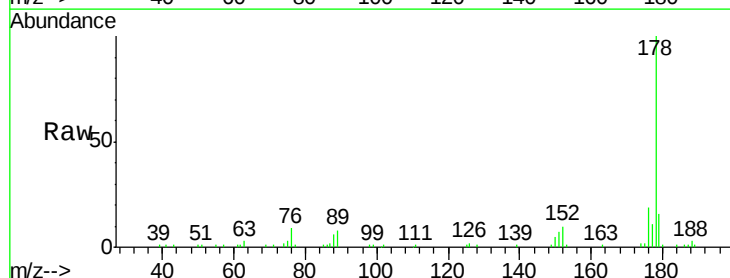


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

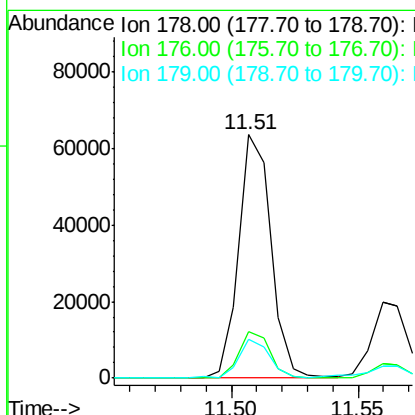
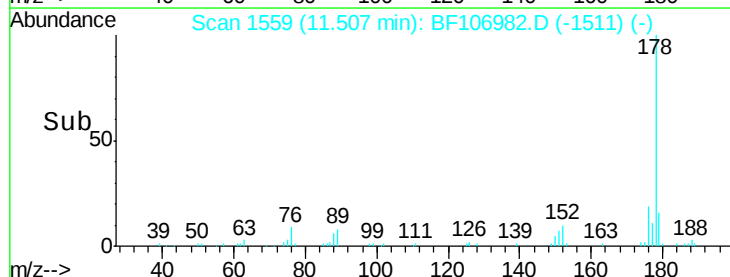


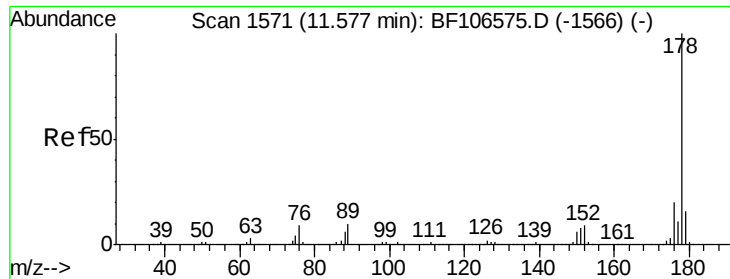
#70
 Phenanthrene
 Concen: 6.526 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

Tgt Ion:178 Resp: 56644
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.7 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

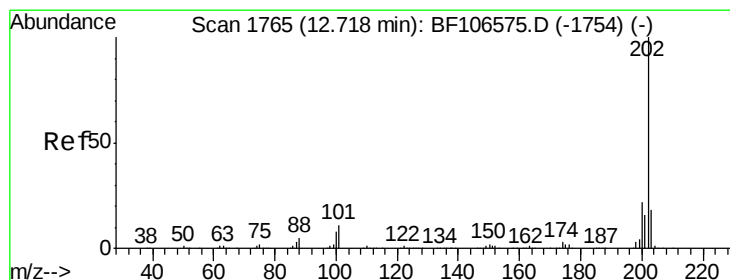
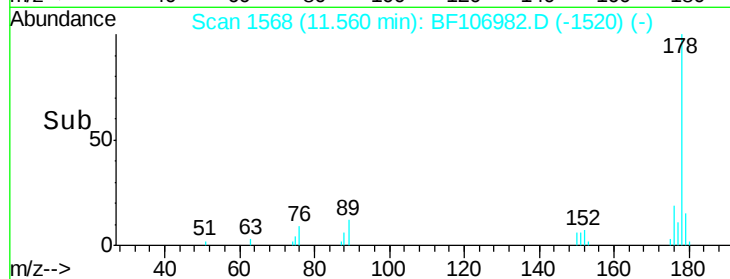
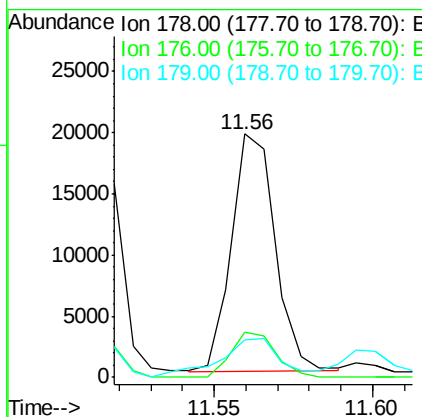
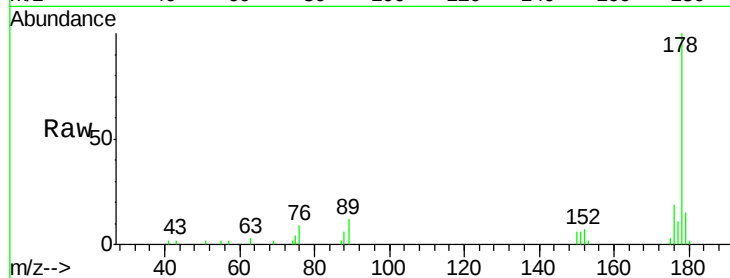




#71
 Anthracene
 Concen: 2.095 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

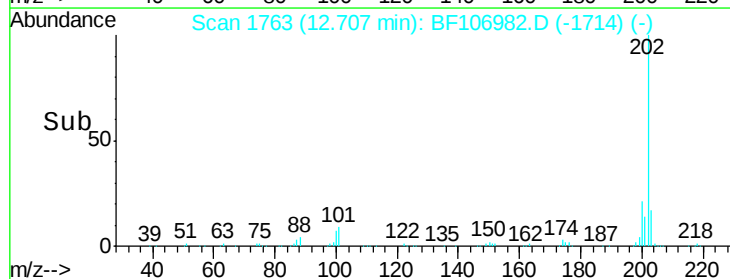
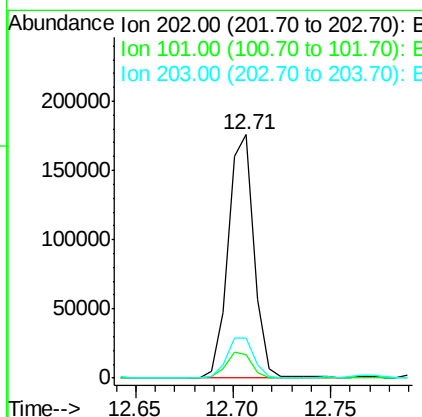
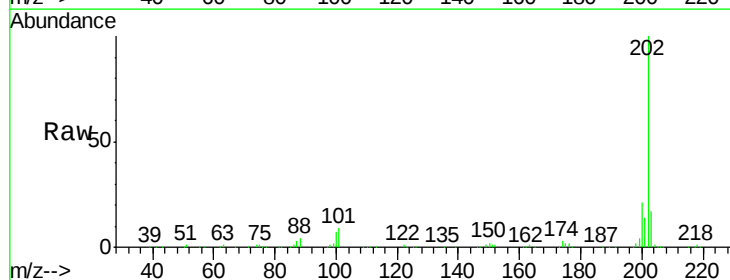
Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-8(3-8)

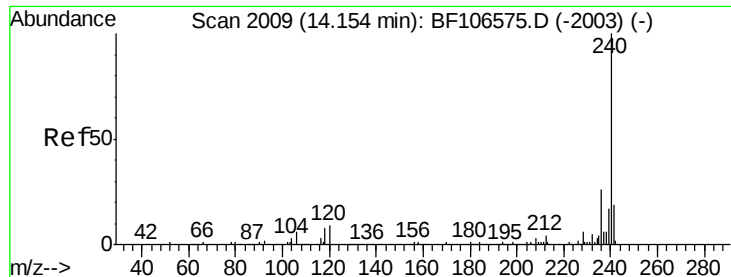
Tgt Ion:178 Resp: 18560
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.3 12.6 19.0



#74
 Fluoranthene
 Concen: 16.880 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

Tgt Ion:202 Resp: 161501
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 34.1
 203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EPE-106-8(3-8)

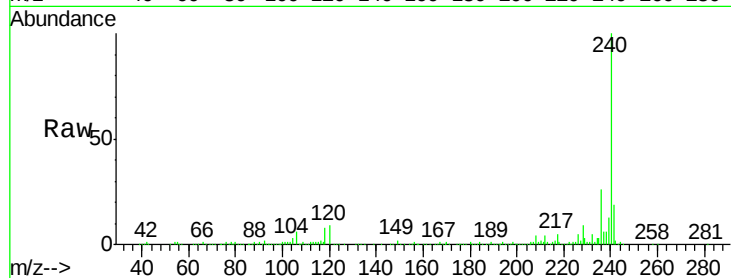
Tgt Ion:240 Resp: 187630

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

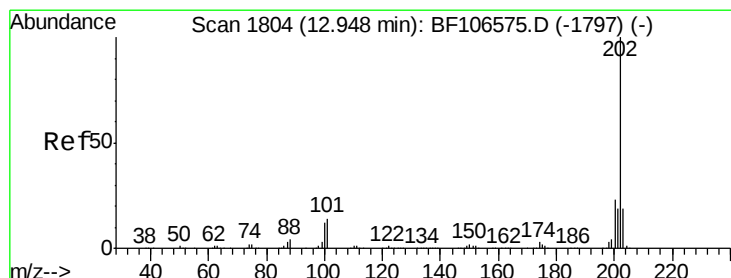
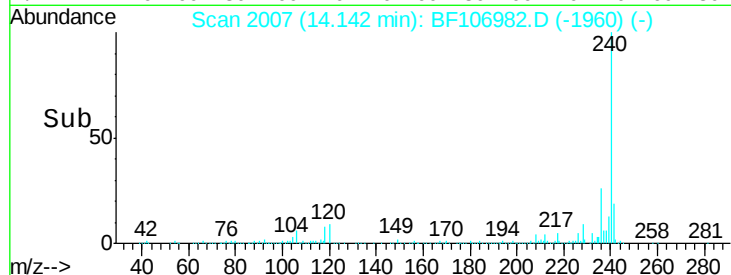
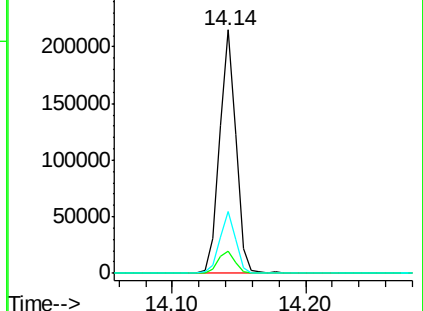
236 25.6 20.7 31.1



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: 11.899 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

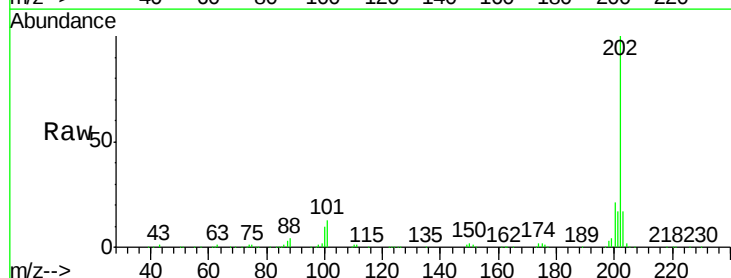
Tgt Ion:202 Resp: 147222

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

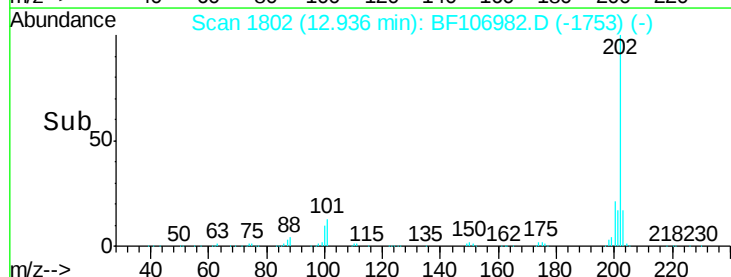
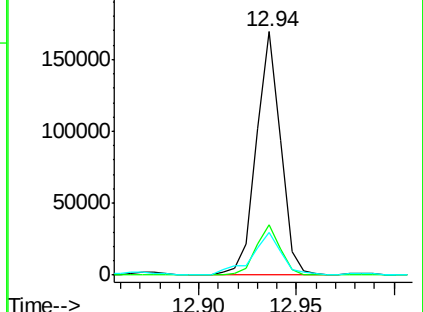
203 17.4 14.3 21.5

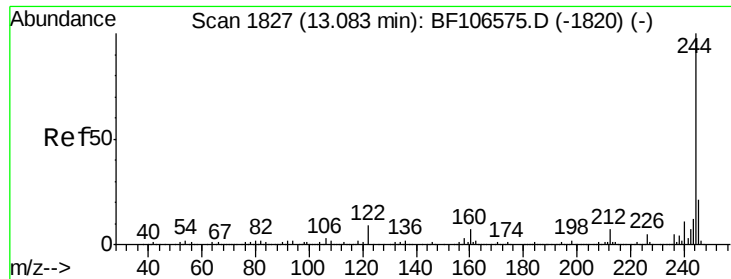


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

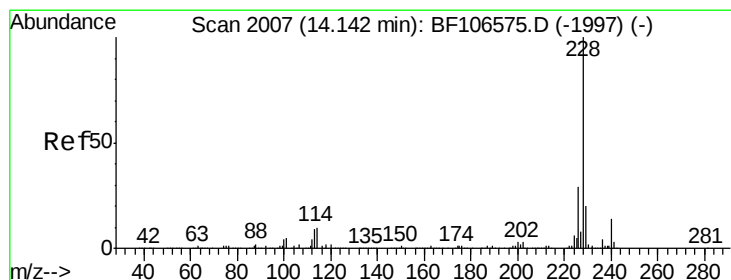
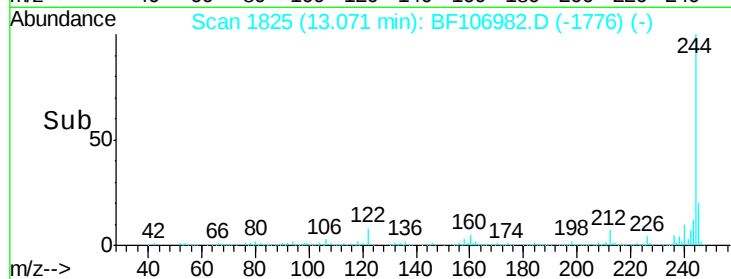
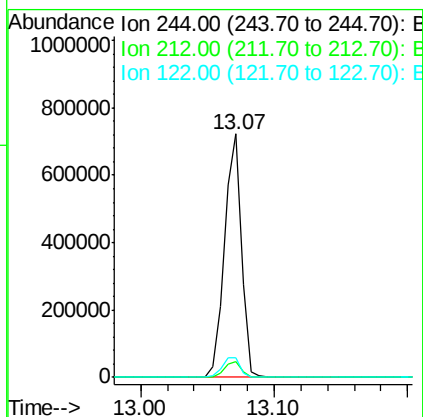
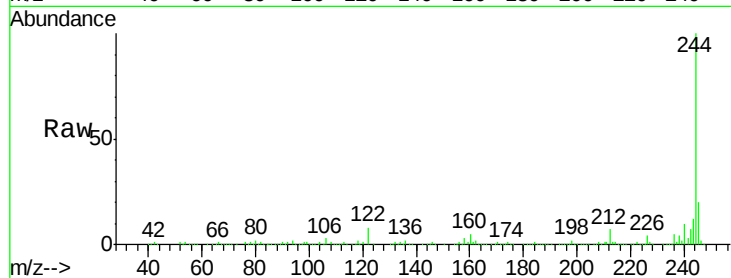




#78
 Terphenyl-d14
 Concen: 83.914 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

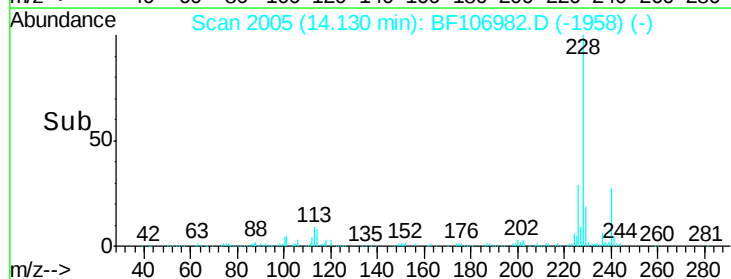
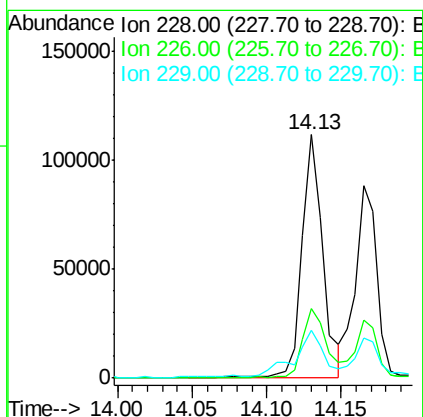
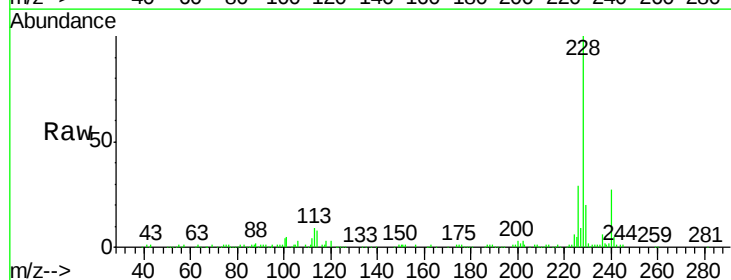
Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-8(3-8)

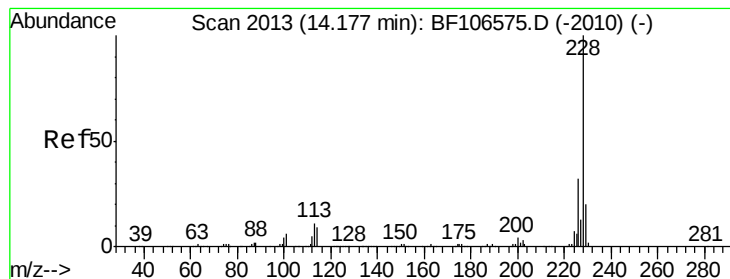
Tgt Ion: 244 Resp: 649992
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 8.2 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 9.559 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF106982.D
 Acq: 29 Jun 2018 19:20

Tgt Ion: 228 Resp: 109314
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 19.9 15.8 23.6





#82

Chrysene

Concen: 8.465 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EPE-106-8(3-8)

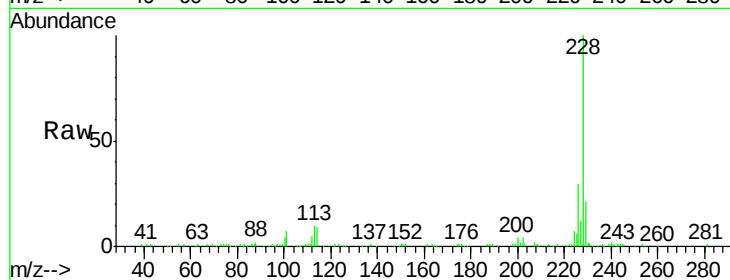
Tgt Ion:228 Resp: 89054

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

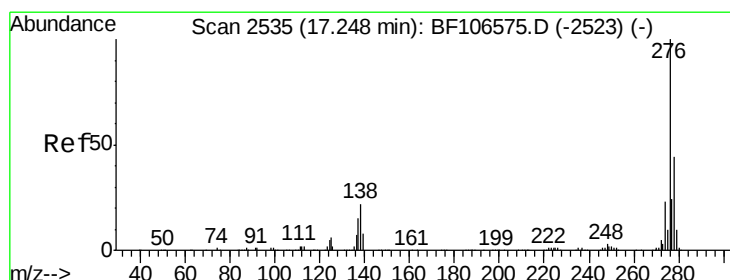
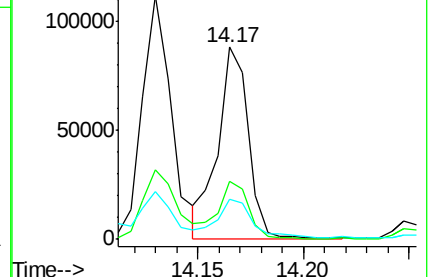
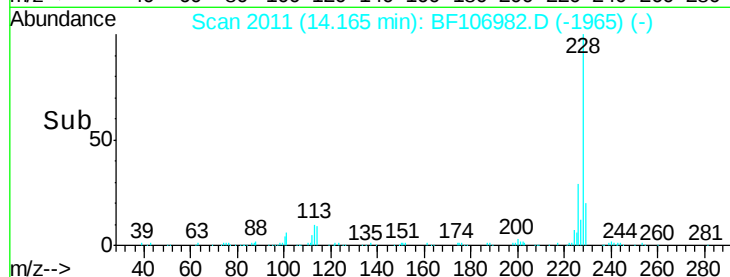
229 20.8 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.972 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.05 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

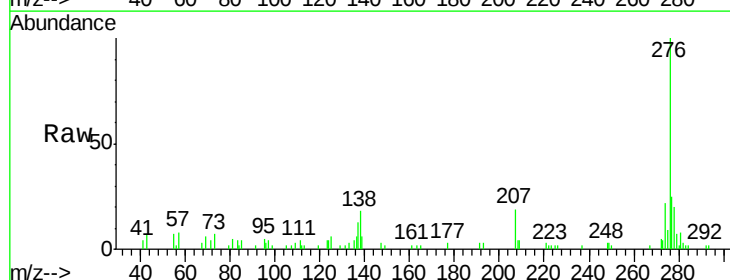
Tgt Ion:276 Resp: 35466

Ion Ratio Lower Upper

276 100

138 20.9 25.0 37.6#

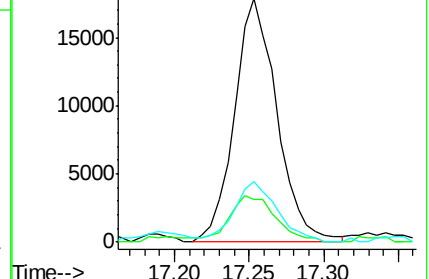
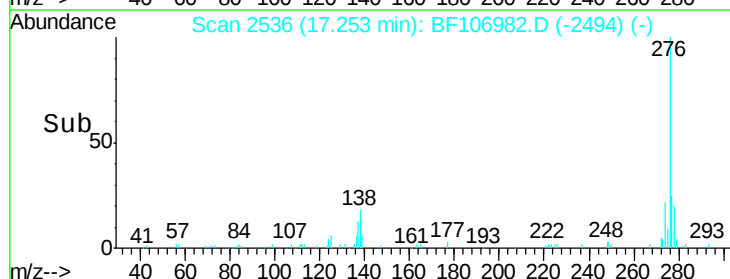
277 25.2 20.1 30.1

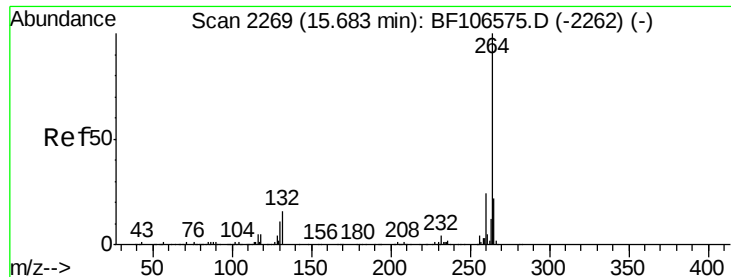


Abundance Ion 276.00 (275.70 to 276.70): E

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# 2269

Delta R.T. -0.04 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EPE-106-8(3-8)

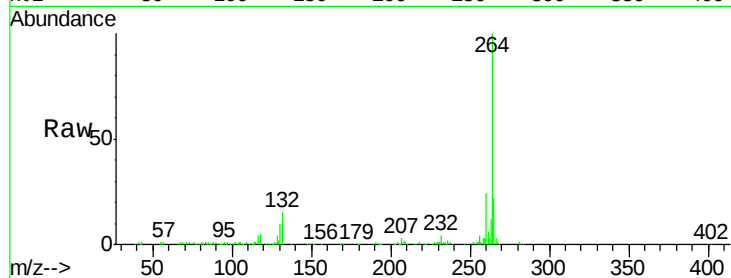
Tgt Ion:264 Resp: 143239

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

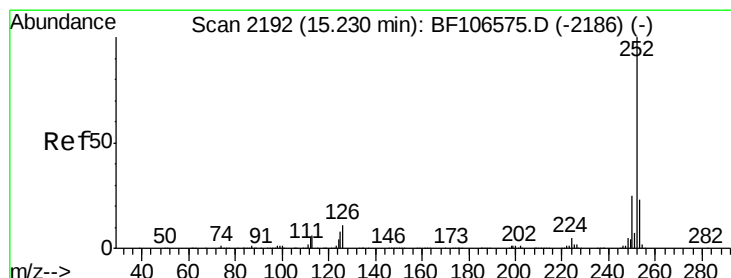
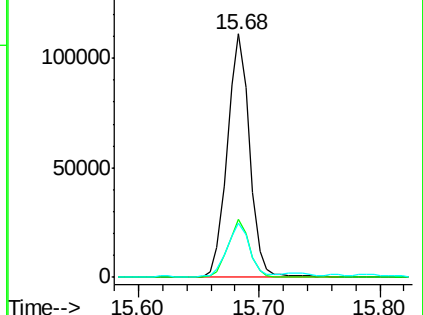
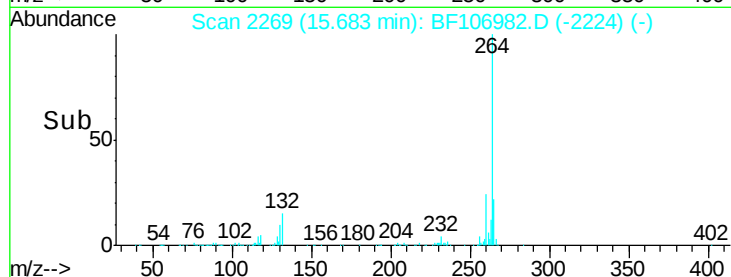
265 22.4 17.5 26.3



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: 15.189 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF106982.D

Acq: 29 Jun 2018 19:20

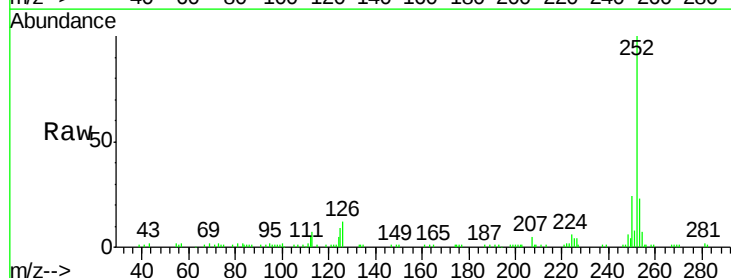
Tgt Ion:252 Resp: 135151

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

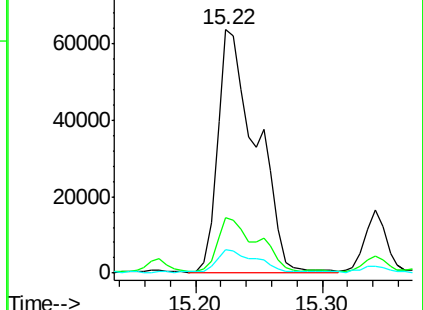
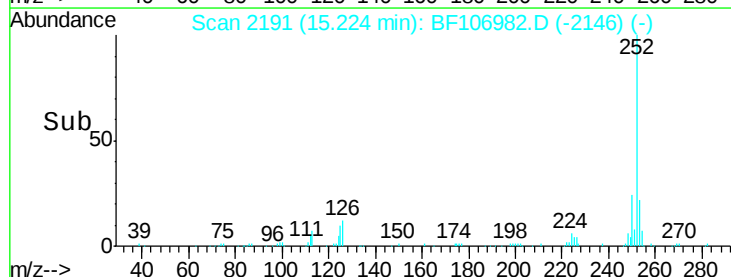
125 9.5 9.0 13.6

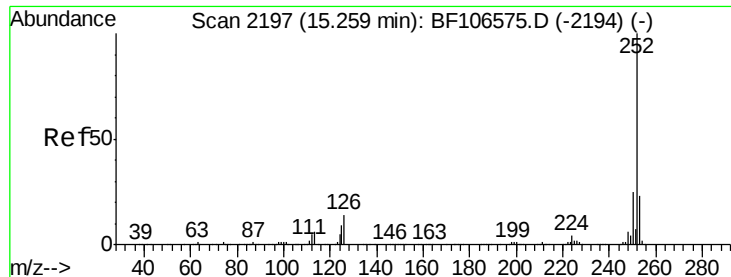


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

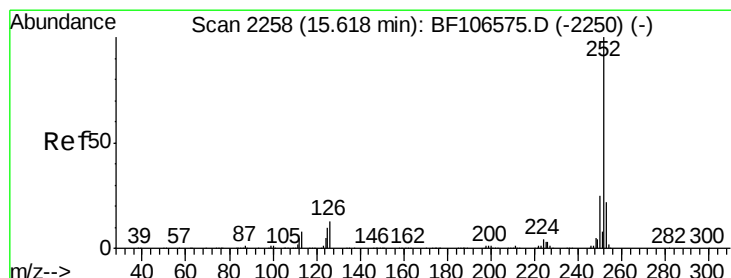
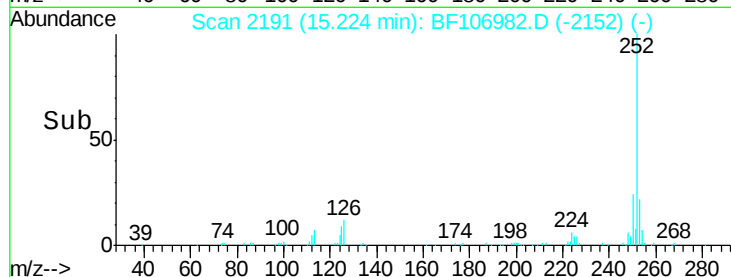
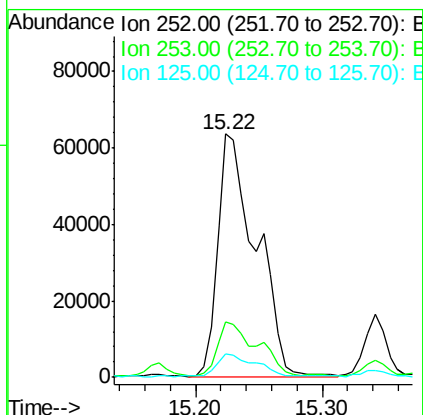
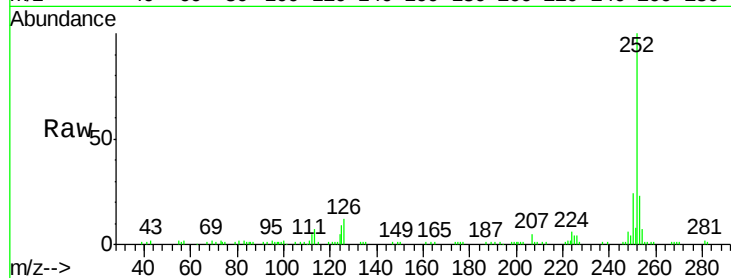




#88
Benzo(k)fluoranthene
Concen: 15.950 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

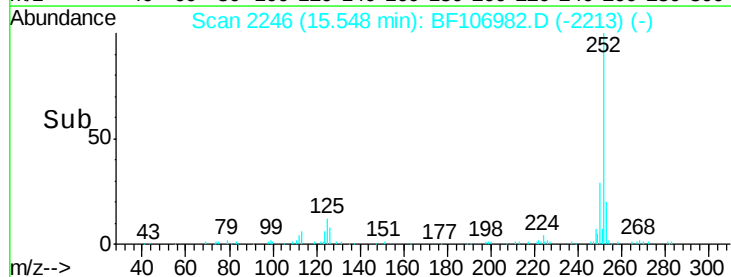
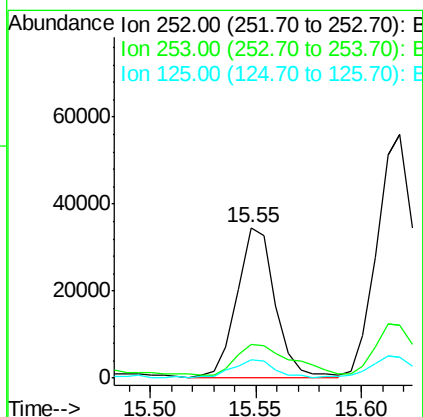
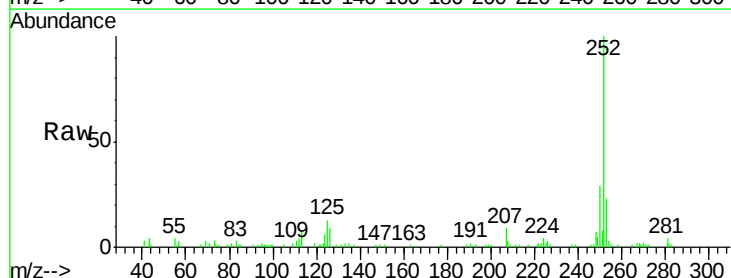
Instrument :
BNA_F
ClientSampleId :
EPE-106-8(3-8)

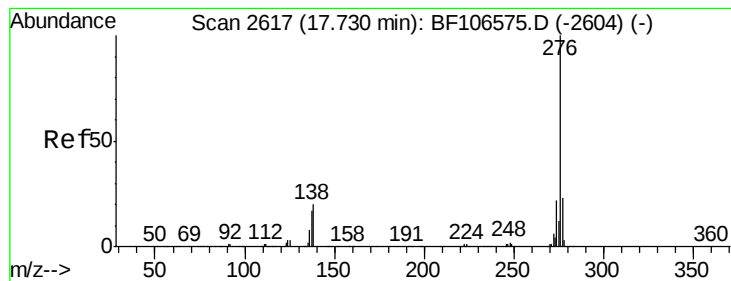
Tgt Ion:252 Resp: 135151
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 9.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 5.539 ng
RT: 15.55 min Scan# 2246
Delta R.T. -0.11 min
Lab File: BF106982.D
Acq: 29 Jun 2018 19:20

Tgt Ion:252 Resp: 43815
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 12.6 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 4.653 ng

RT: 17.74 min Scan# 2618

Delta R.T. -0.05 min

Lab File: BF106982.D

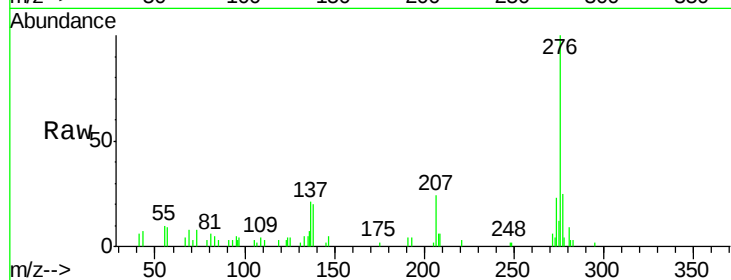
Acq: 29 Jun 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EPE-106-8(3-8)



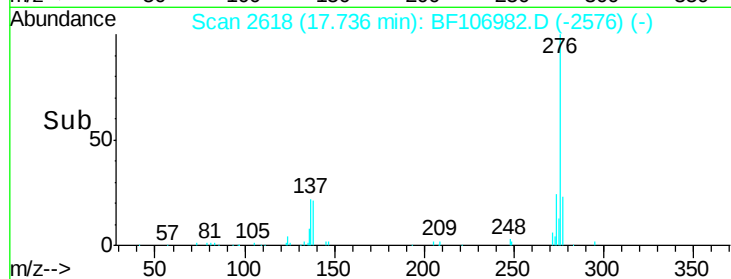
Tgt Ion: 276 Resp: 30486

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 20.4 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

