

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102024.D
 Acq On : 11 Jan 2018 17:52
 Operator : SJ/JU
 Sample : J1081-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(10-12)

Quant Time: Jan 11 23:41:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	188327	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	705921	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	262705	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	368225	20.00	ng	0.00
75) Chrysene-d12	13.87	240	340392	20.00	ng	0.00
86) Perylene-d12	15.29	264	385134	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1261575	94.59	ng	0.01
7) Phenol-d6	6.36	99	1430935	89.93	ng	0.00
23) Nitrobenzene-d5	7.29	82	907326	75.53	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	210594	91.86	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1320399	78.52	ng	0.00
78) Terphenyl-d14	12.83	244	859972	52.46	ng	0.00

Target Compounds

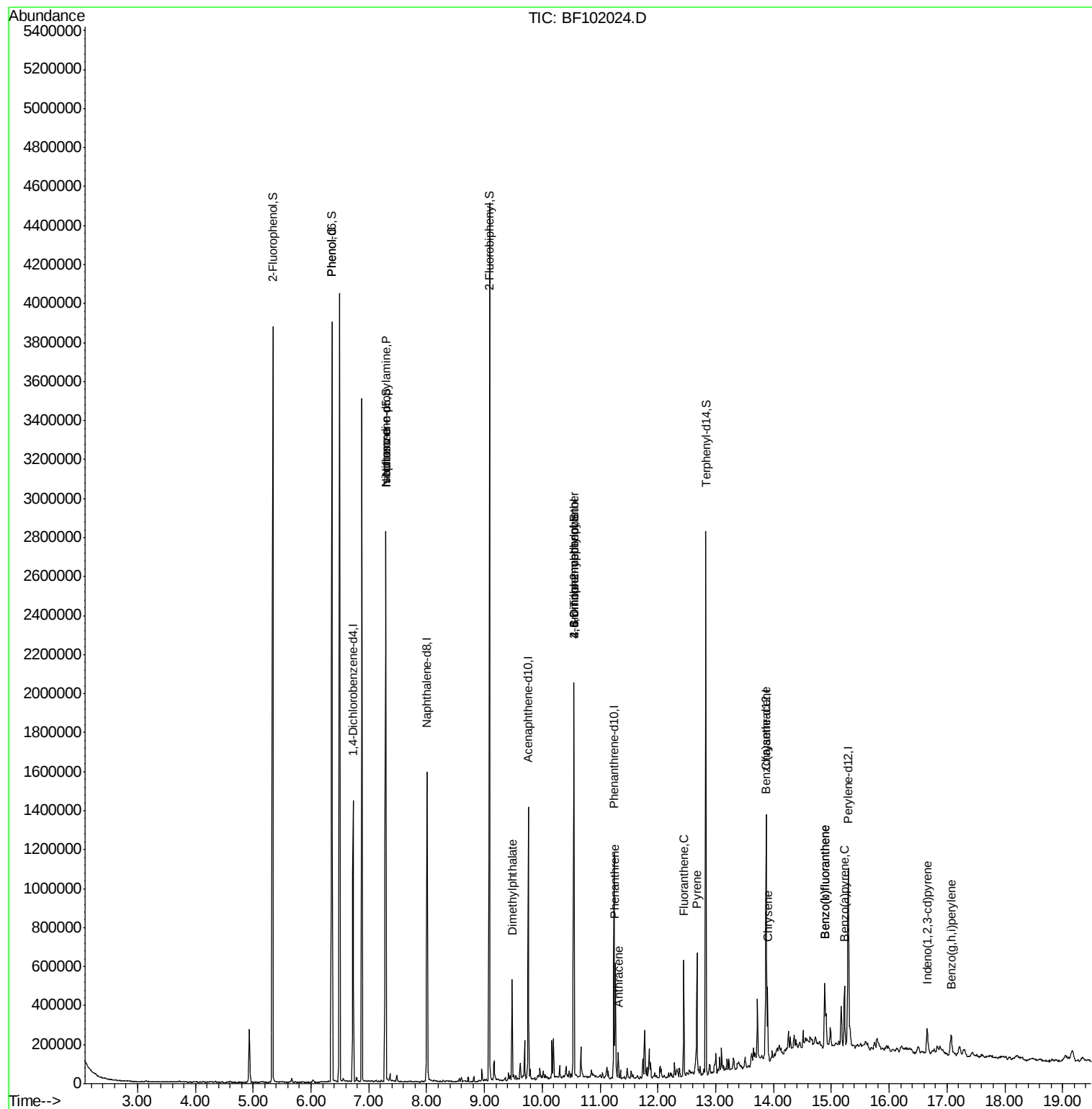
						Qvalue
10) Phenol	6.37	94	62058	3.451	ng	# 75
19) n-Nitroso-di-n-propylamine	7.29	70	120512	11.557	ng	# 80
25) Isophorone	7.29	82	907315	38.225	ng	# 64
49) Dimethylphthalate	9.48	163	172812	8.200	ng	99
64) 4,6-Dinitro-2-methylphenol	10.55	198	459	5.865	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	13789	3.546	ng	# 1
70) Phenanthrene	11.26	178	190010	8.834	ng	98
71) Anthracene	11.32	178	45182	2.071	ng	99
74) Fluoranthene	12.45	202	226810	10.718	ng	98
77) Pyrene	12.67	202	237158	7.882	ng	100
80) Benzo(a)anthracene	13.86	228	141869	6.532	ng	95
82) Chrysene	13.90	228	125993	5.564	ng	99
85) Indeno(1,2,3-cd)pyrene	16.66	276	81389	4.938	ng	98
87) Benzo(b)fluoranthene	14.89	252	222301	8.852	ng	# 95
88) Benzo(k)fluoranthene	14.89	252	222301	9.177	ng	98
89) Benzo(a)pyrene	15.23	252	133455	5.906	ng	97
91) Benzo(a,h,i)perylene	17.07	276	76858	4.231	ng	96

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

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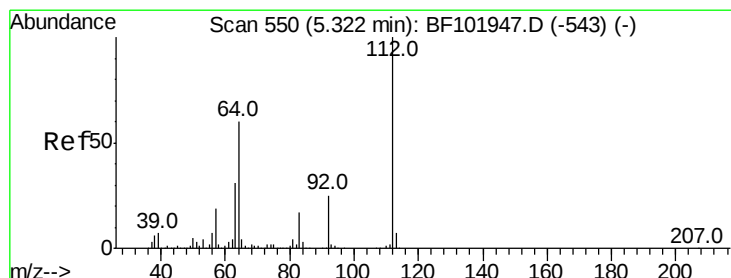
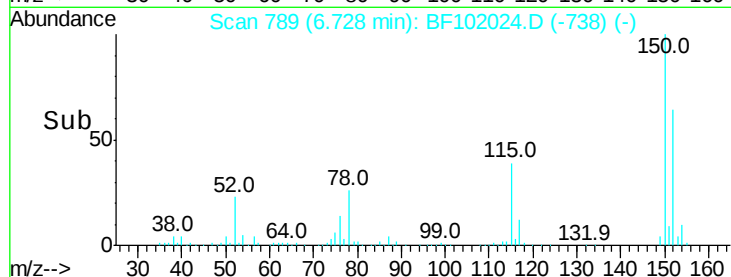
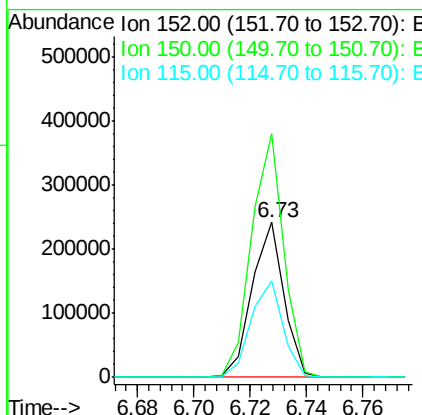
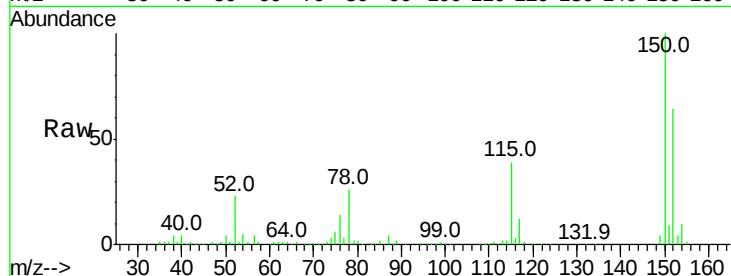


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

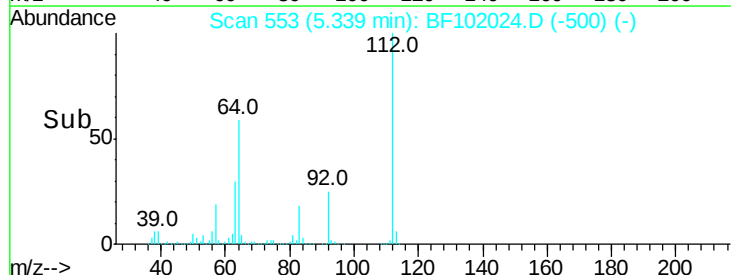
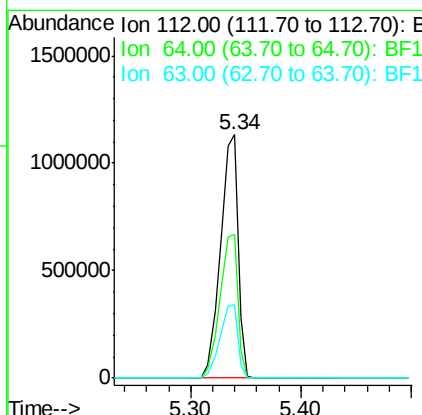
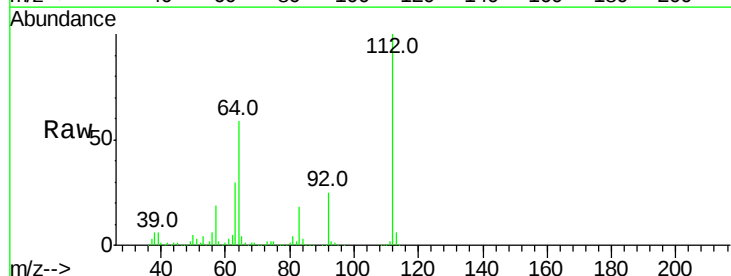
Tot Ion:152 Resp: 188327
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 61.8 50.1 75.1



#5

2-Fluorophenol
Concen: 94.593 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion:112 Resp: 1261575
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 89.927 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(10-12)

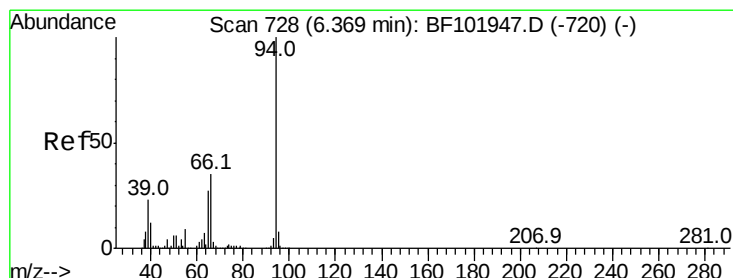
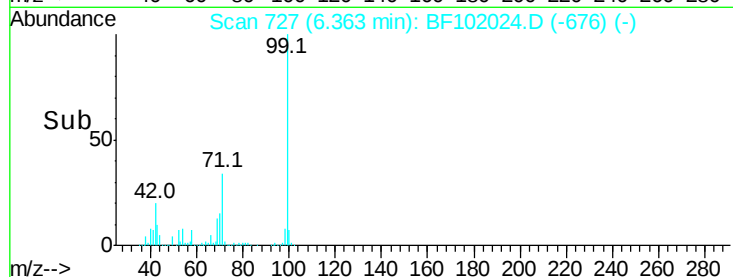
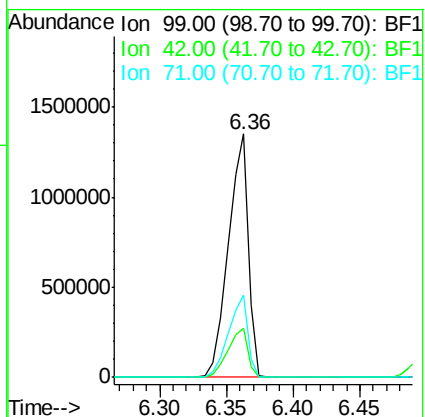
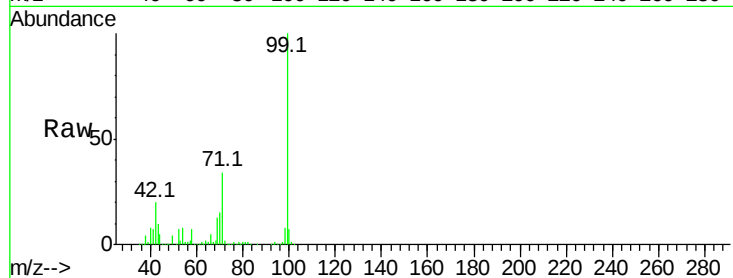
Tot Ion: 99 Resp: 1430935

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 33.6 25.4 38.0



#10

Phenol

Concen: 3.451 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

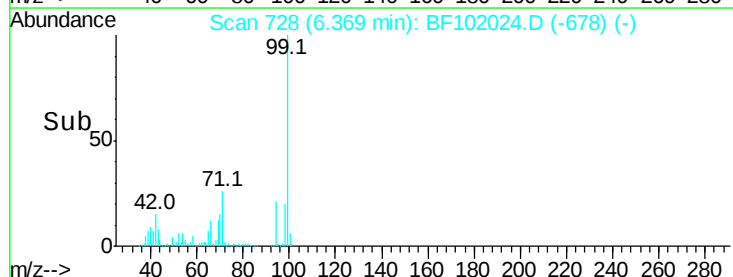
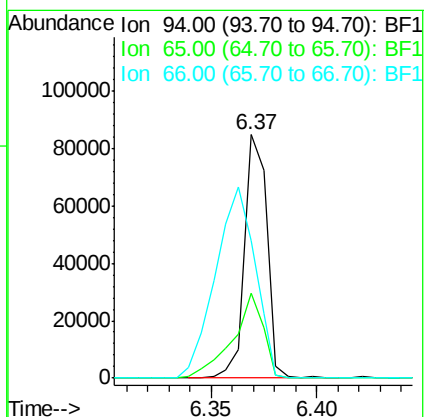
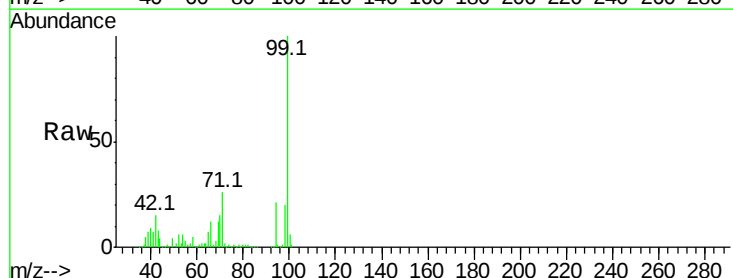
Tgt Ion: 94 Resp: 62058

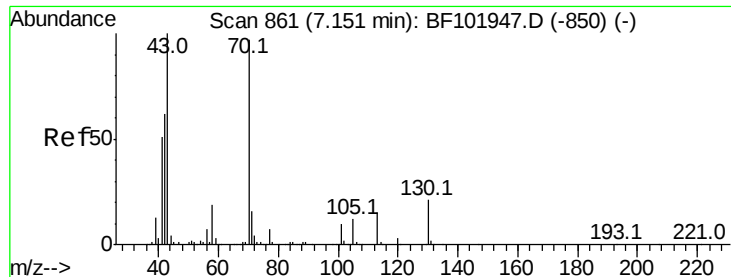
Ion Ratio Lower Upper

94 100

65 34.8 7.9 47.9

66 56.5 16.2 56.2#

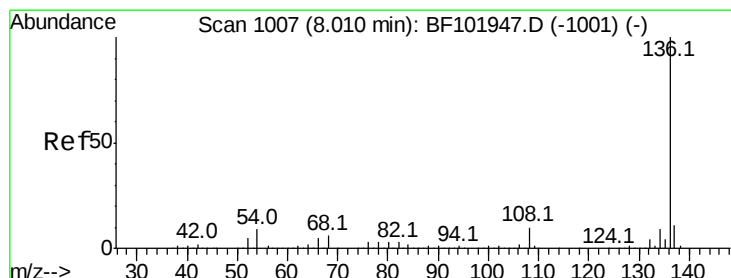
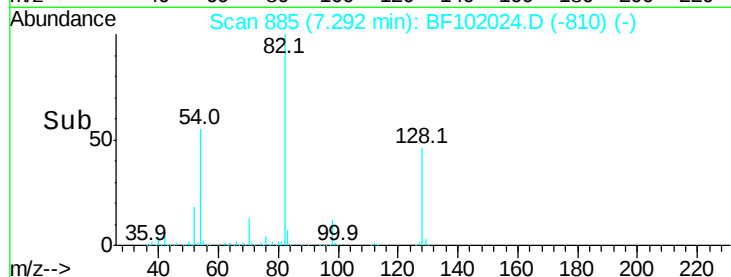
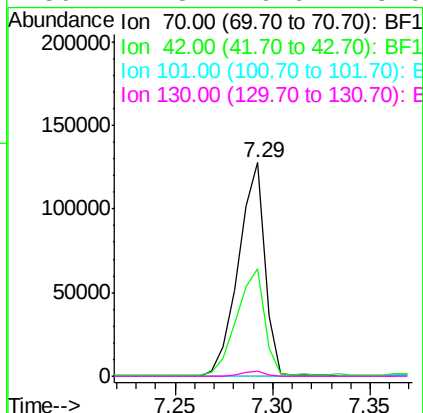
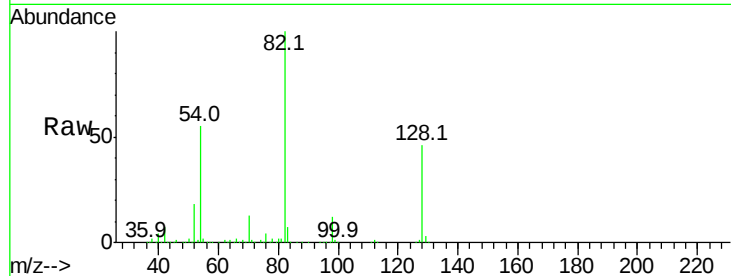




#19
n-Nitroso-di-n-propylamine
Concen: 11.557 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

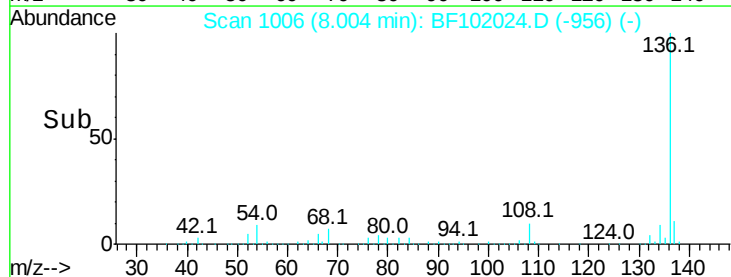
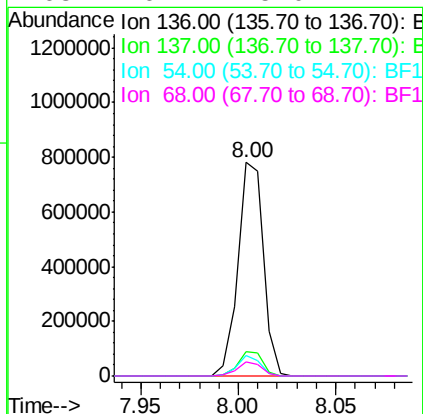
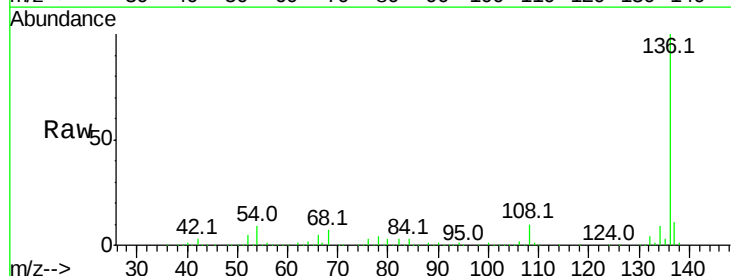
Instrument :
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ClientSampleId :
EPE-121-1(10-12)

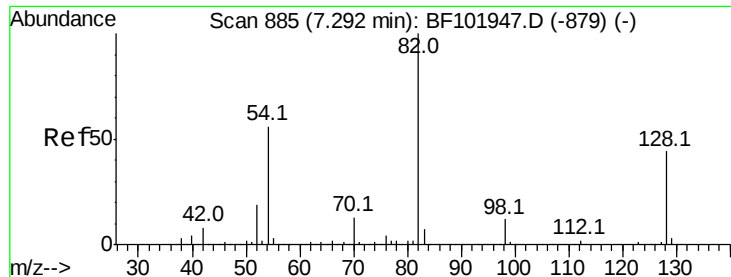
Tot Ion: 70 Resp: 120512
Ion Ratio Lower Upper
70 100
42 50.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion: 136 Resp: 705921
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.4 6.6 9.8
68 6.7 5.0 7.4

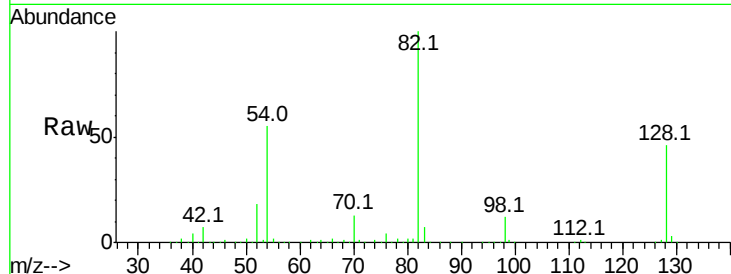




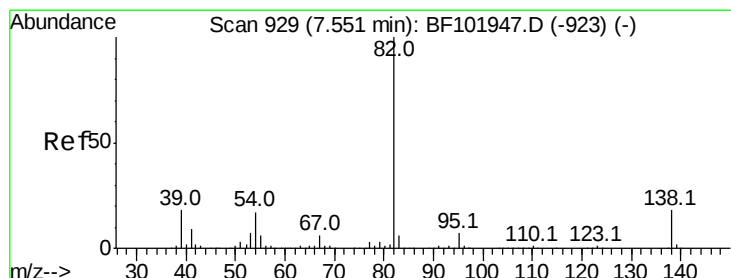
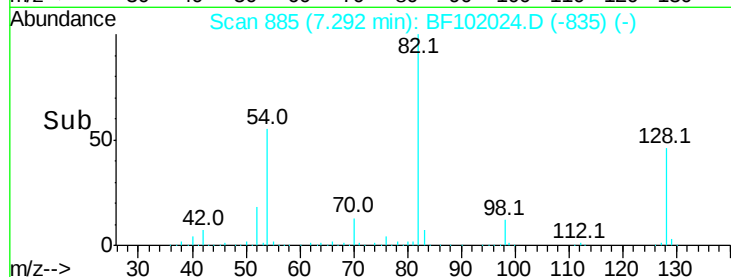
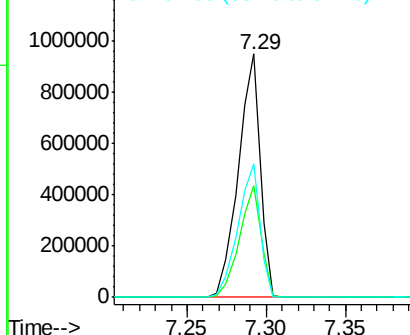
#23
 Nitrobenzene-d5
 Concen: 75.530 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(10-12)

Tot Ion	82	Resp	907326
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	54.8	41.4	62.2

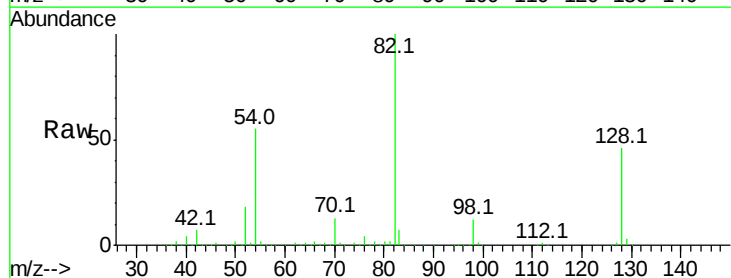


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

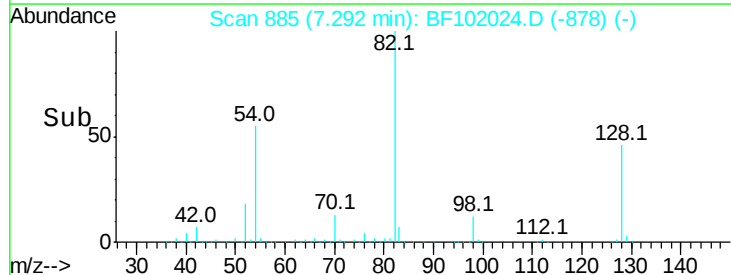
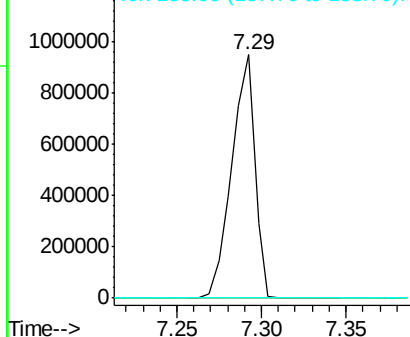


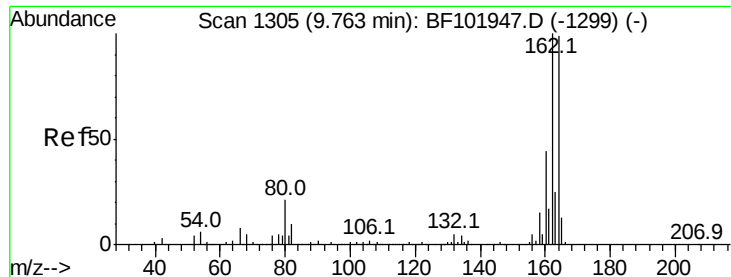
#25
 Isophorone
 Concen: 38.225 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.26 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Tgt Ion	82	Resp	907315
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

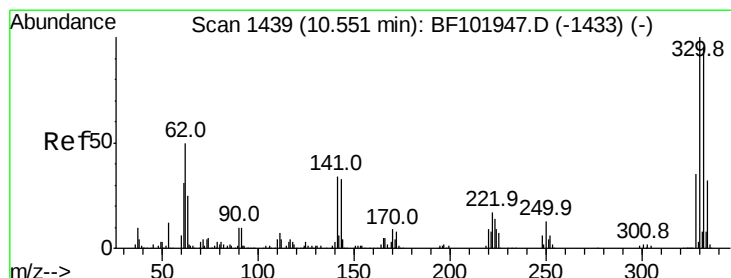
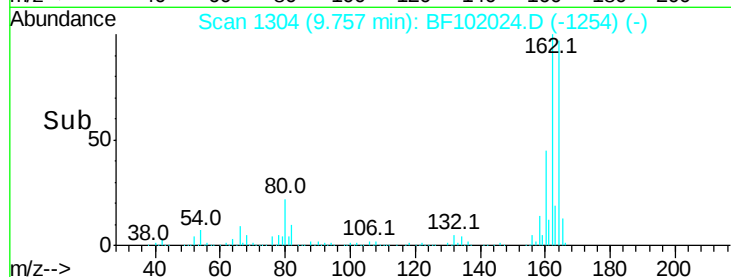
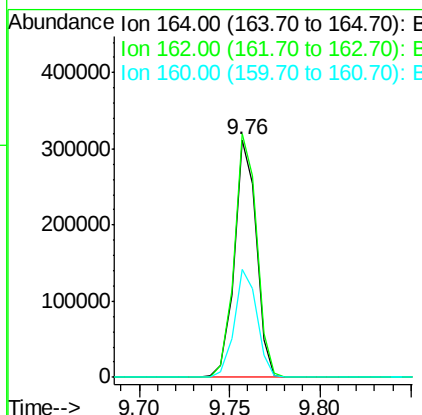
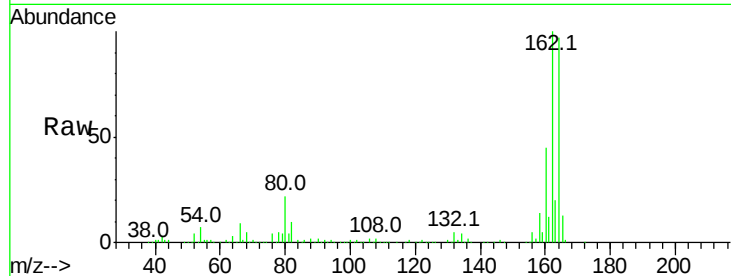




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

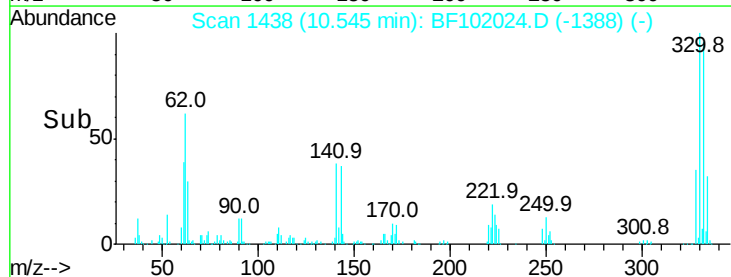
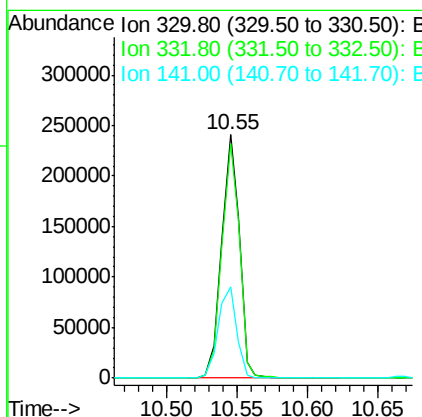
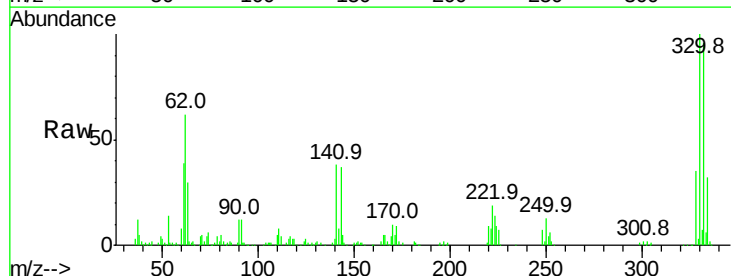
Instrument :
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 EPE-121-1(10-12)

Tot Ion:164 Resp: 262705
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 45.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 91.858 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Tgt Ion:330 Resp: 210594
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 39.6 29.9 44.9

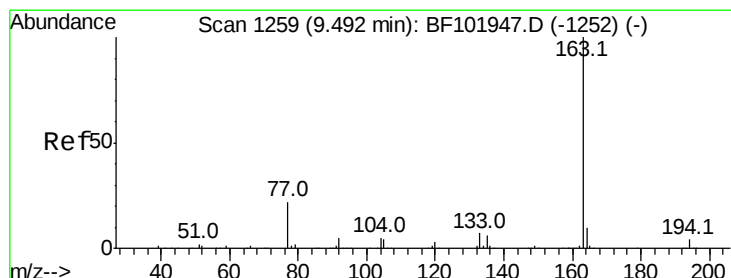
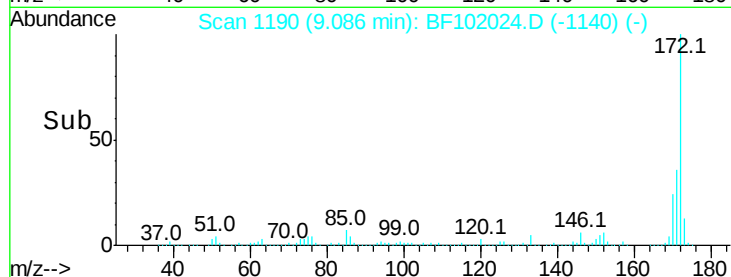
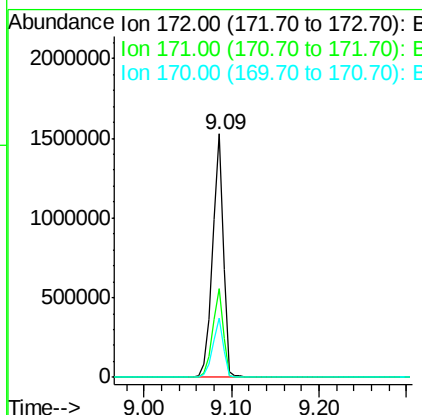
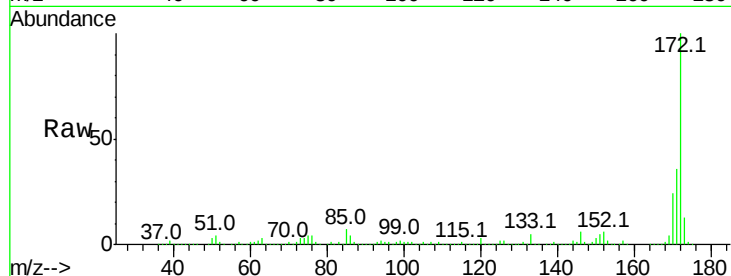




#44
2-Fluorobiphenyl
Concen: 78.522 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

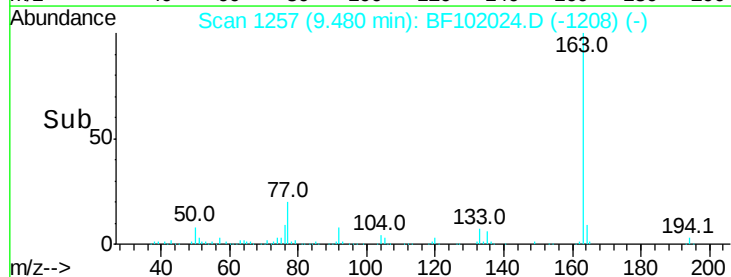
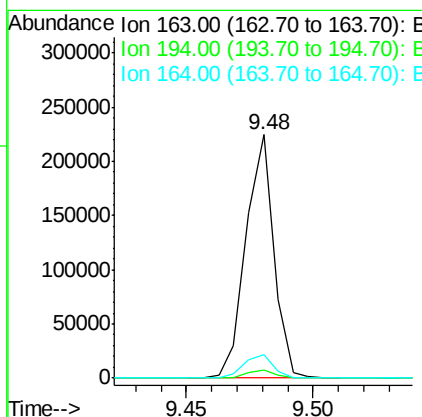
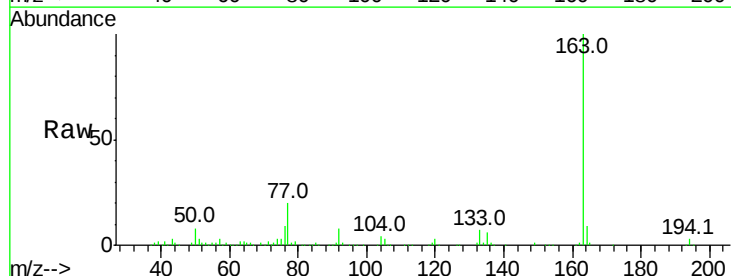
Instrument :
BNA_F
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EPE-121-1(10-12)

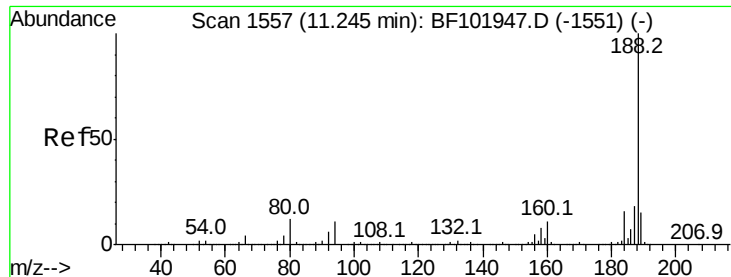
Tot Ion:172 Resp: 1320399
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.4 19.6 29.4



#49
Dimethylphthalate
Concen: 8.200 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion:163 Resp: 172812
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.5 8.2 12.2

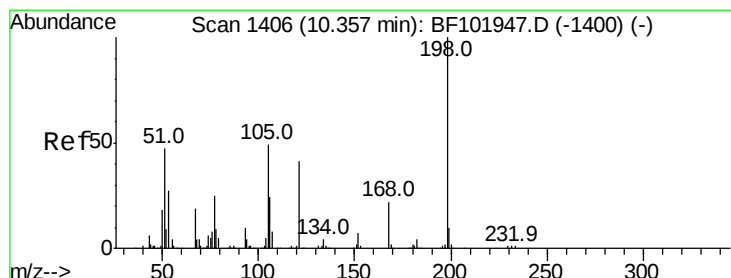
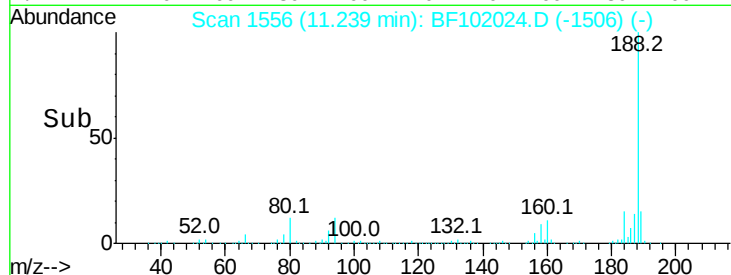
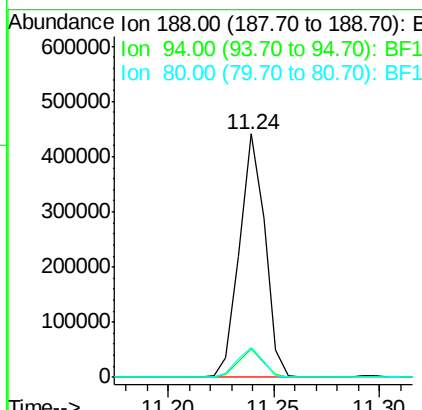
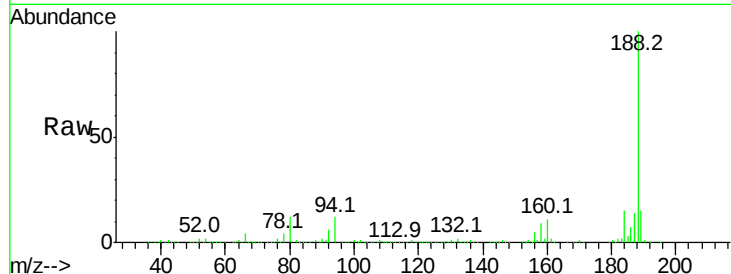




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

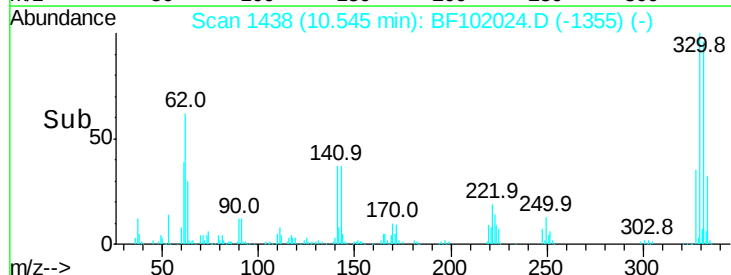
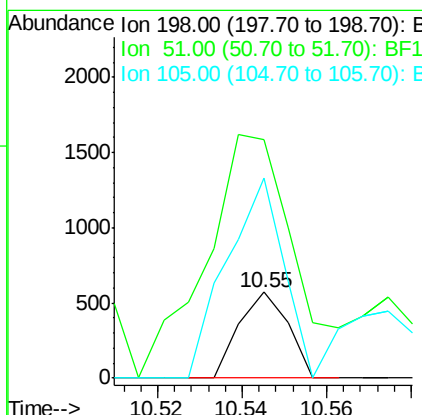
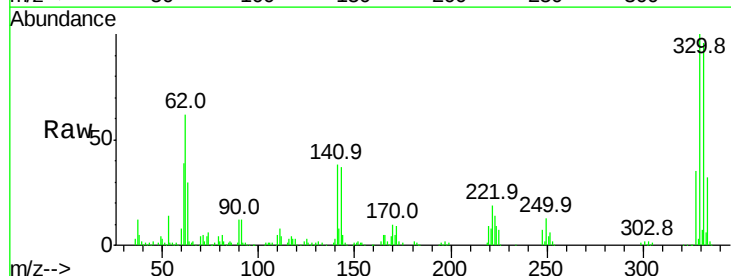
Instrument :
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 EPE-121-1(10-12)

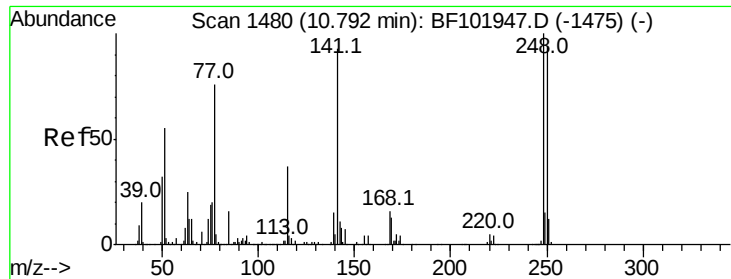
Tot Ion:188 Resp: 368225
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.5 12.7
 80 12.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.865 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Tgt Ion:198 Resp: 459
 Ion Ratio Lower Upper
 198 100
 51 277.9 37.7 77.7#
 105 232.4 36.3 76.3#

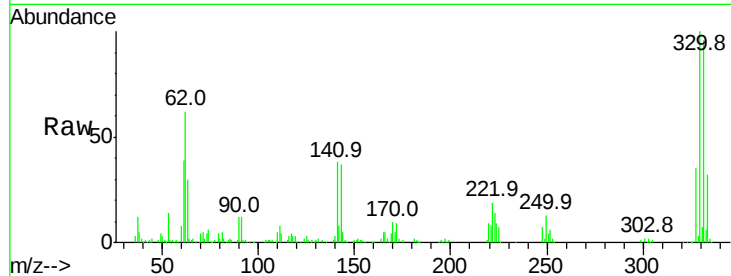




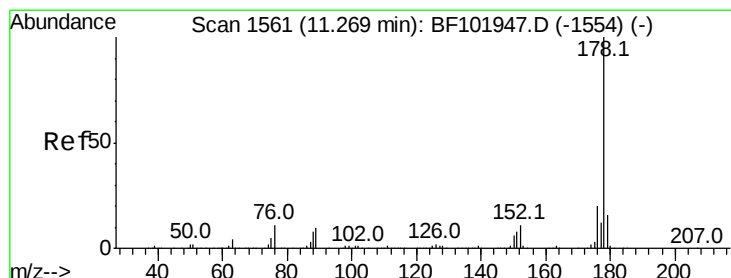
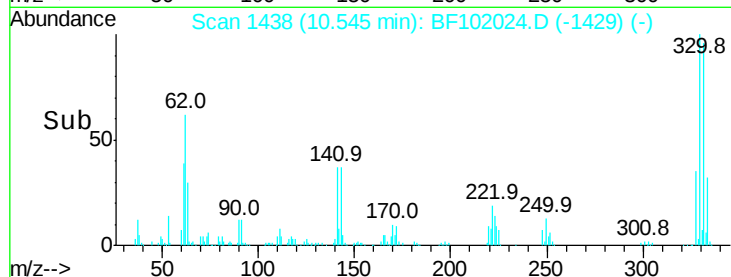
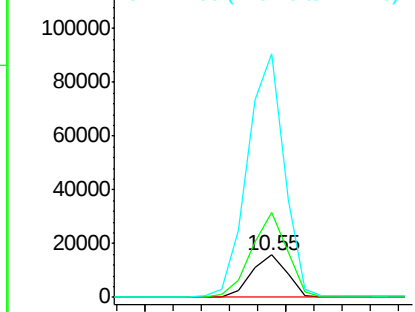
#66
 4-Bromophenyl-phenylether
 Concen: 3.546 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 EPE-121-1(10-12)

Tot Ion:248 Resp: 13789
 Ion Ratio Lower Upper
 248 100
 250 198.6 76.9 115.3#
 141 573.8 74.4 111.6#

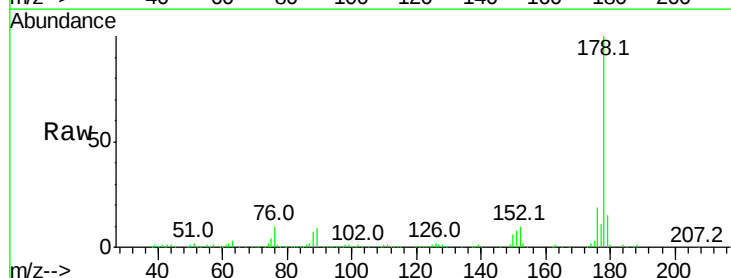


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

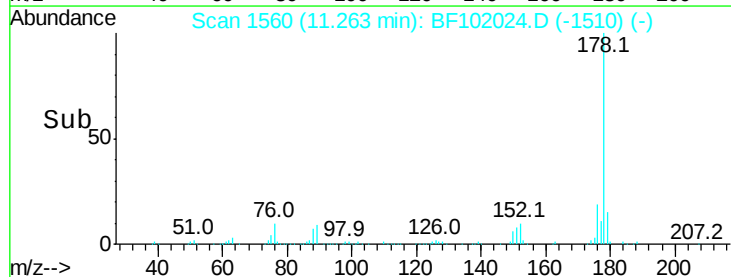
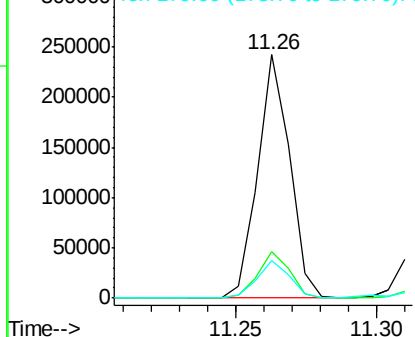


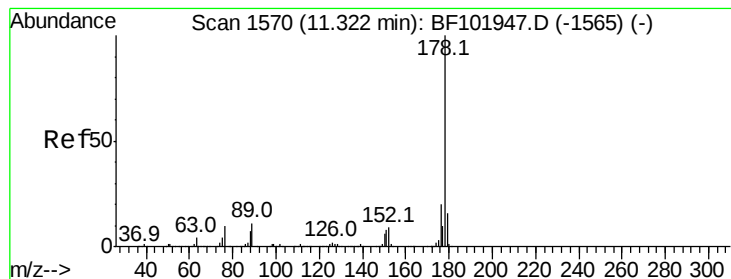
#70
 Phenanthrene
 Concen: 8.834 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF102024.D
 Acq: 11 Jan 2018 17:52

Tgt Ion:178 Resp: 190010
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.2 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: 2.071 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(10-12)

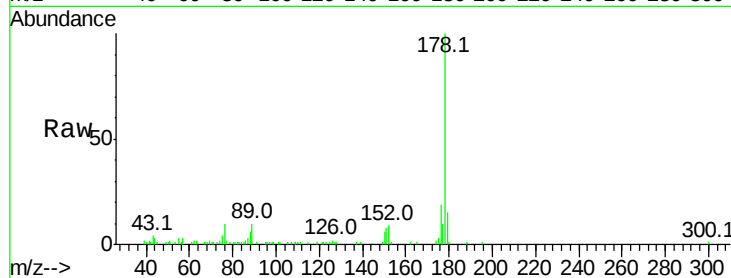
Tot Ion:178 Resp: 45182

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

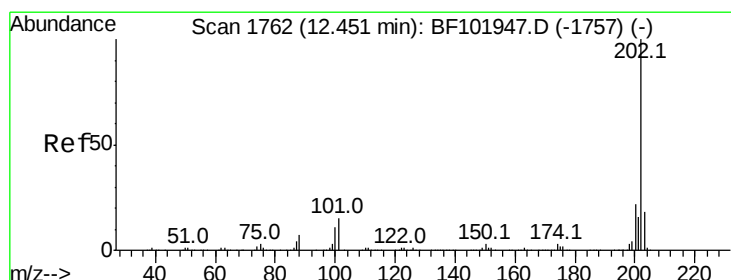
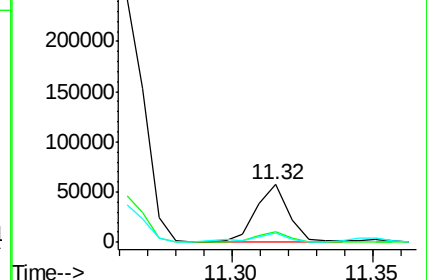
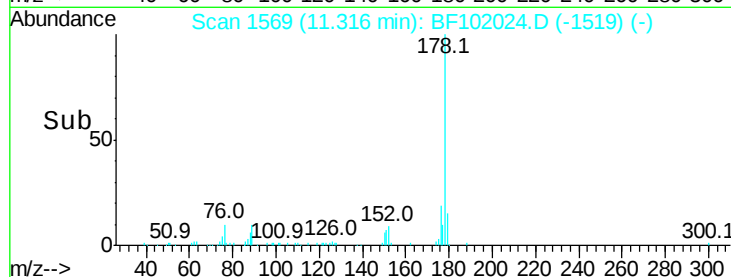
179 15.4 12.6 19.0



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: 10.718 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

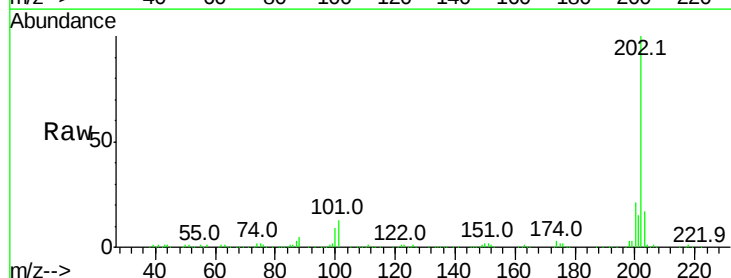
Tgt Ion:202 Resp: 226810

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

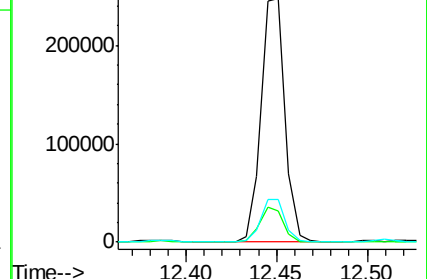
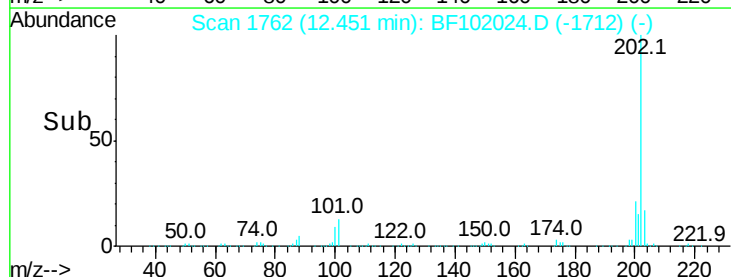
203 17.4 0.0 38.1

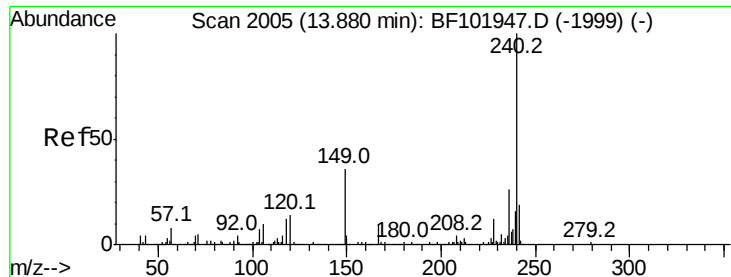


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2004

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(10-12)

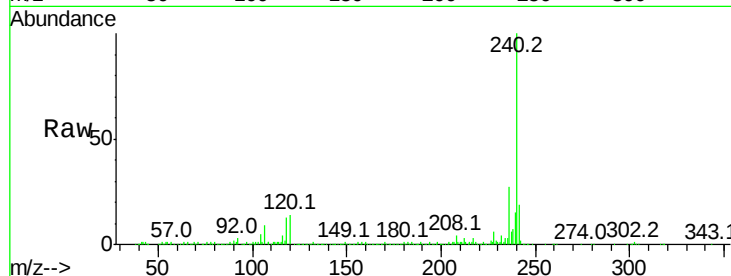
Tot Ion:240 Resp: 340392

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

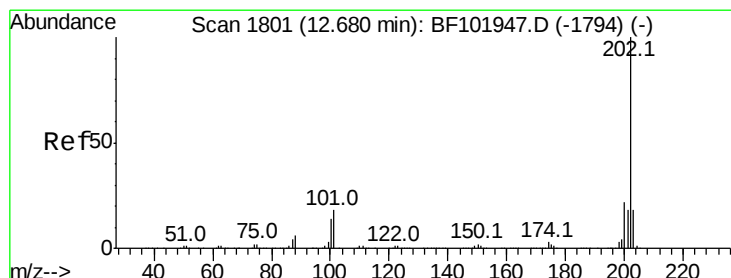
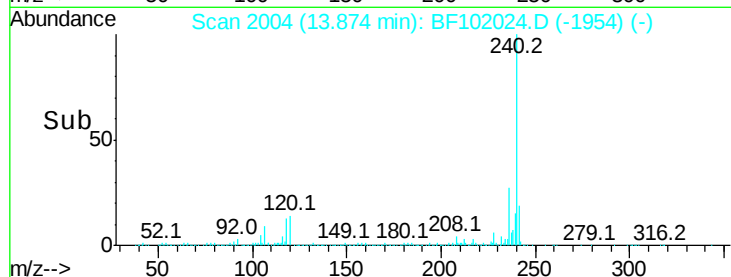
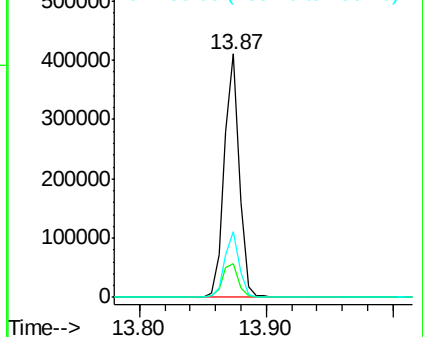
236 27.2 20.7 31.1



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: 7.882 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

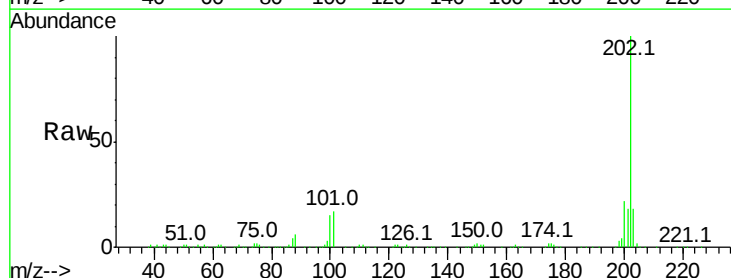
Tgt Ion:202 Resp: 237158

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

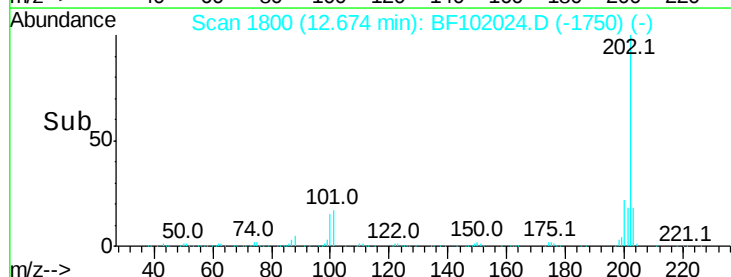
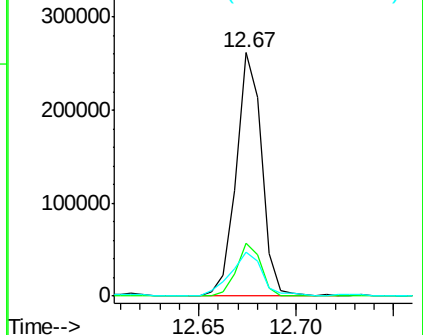
203 18.3 14.3 21.5

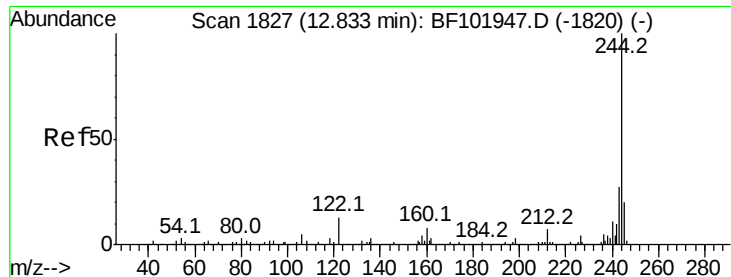


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.455 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(10-12)

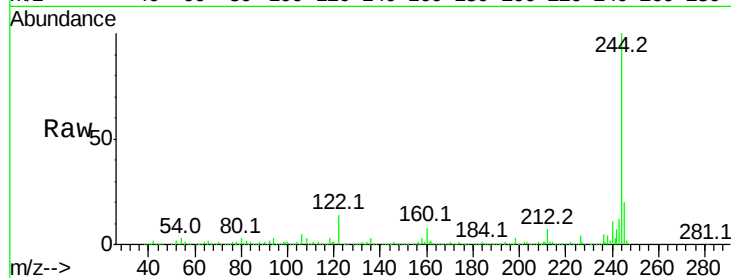
Tot Ion:244 Resp: 859972

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

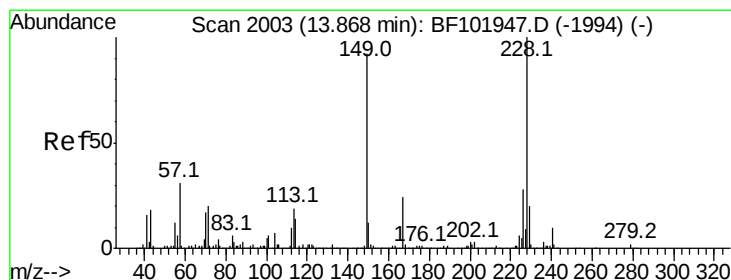
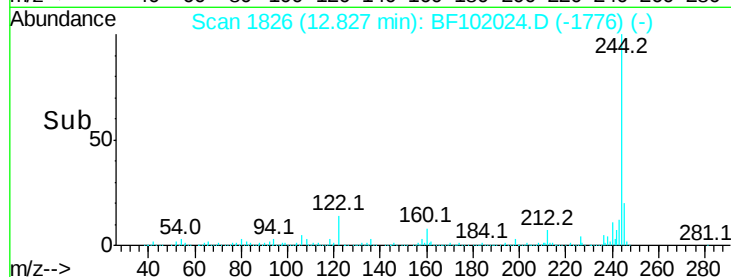
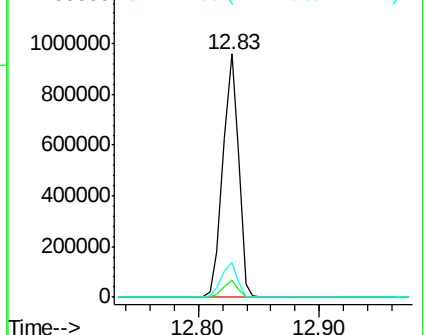
122 14.3 11.0 16.4



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: 6.532 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

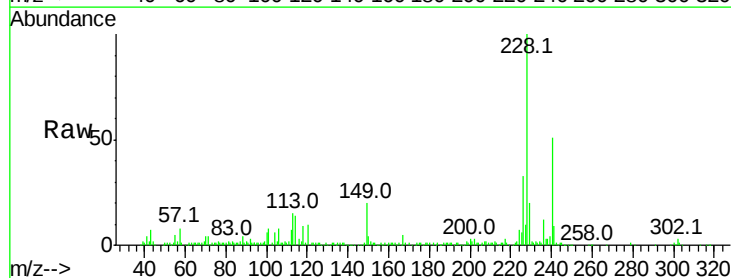
Tgt Ion:228 Resp: 141869

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

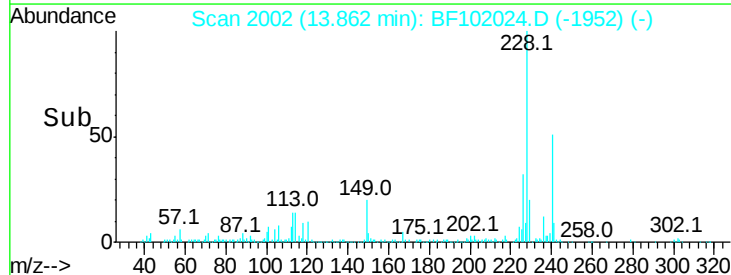
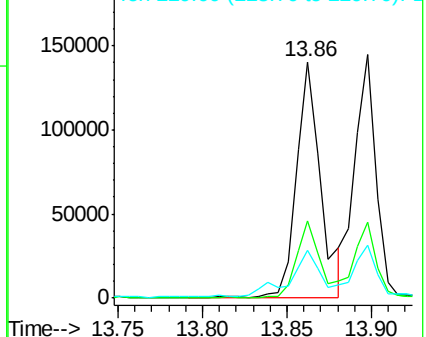
229 20.3 15.8 23.6

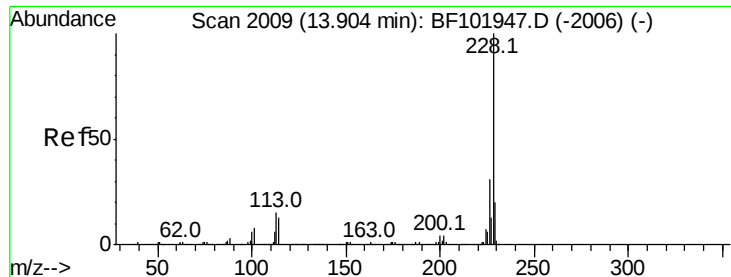


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

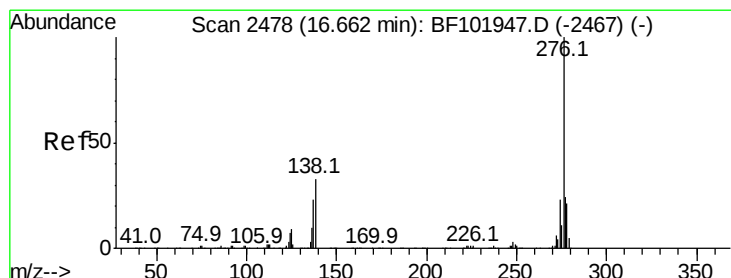
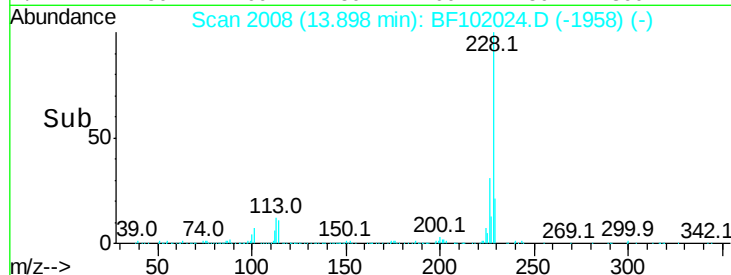
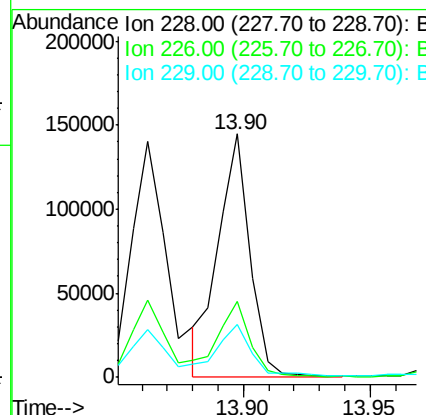
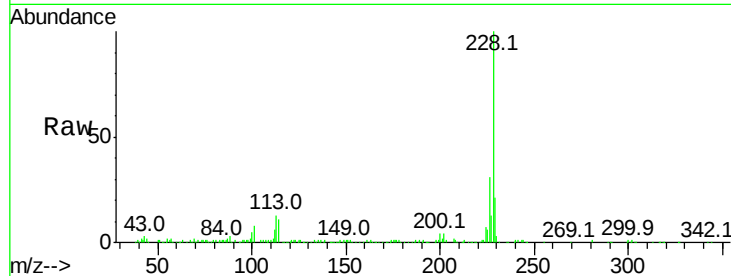




#82
Chrysene
Concen: 5.564 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

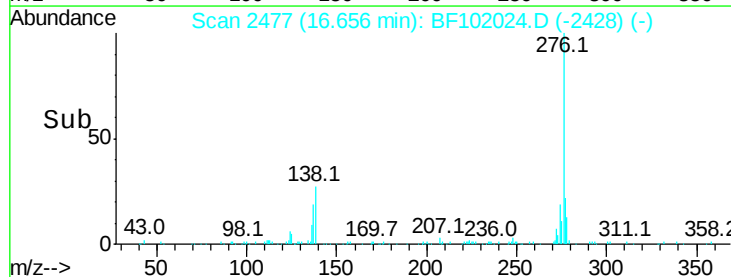
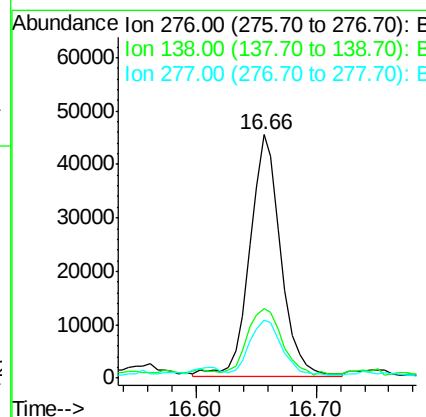
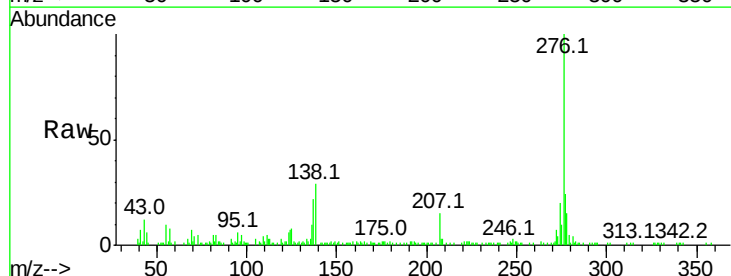
Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

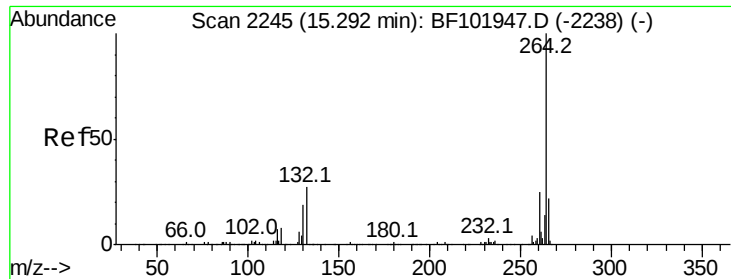
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.5	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.938 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	25.0	37.6
277	23.7	20.1	30.1

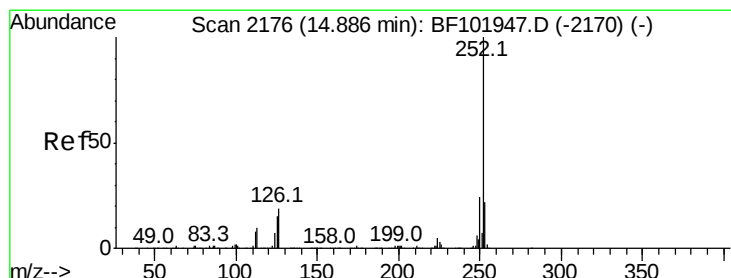
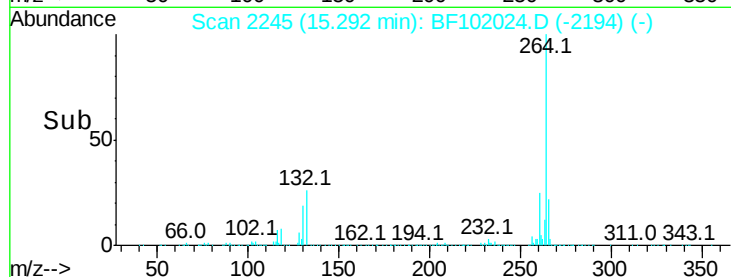
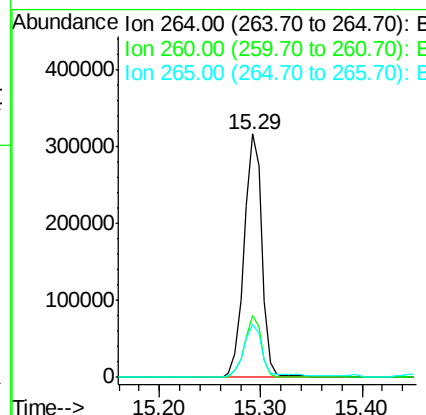
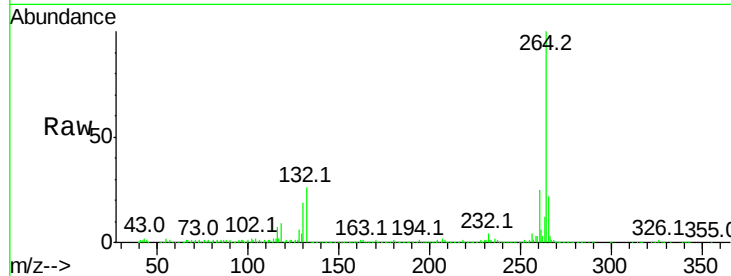




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

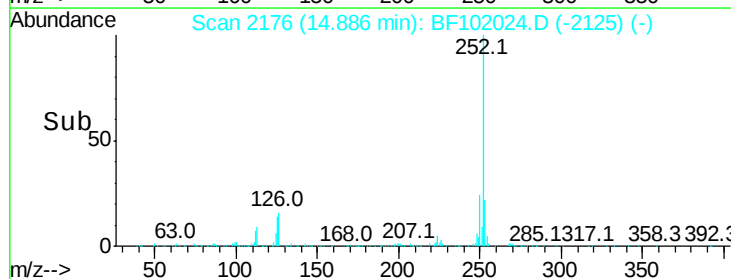
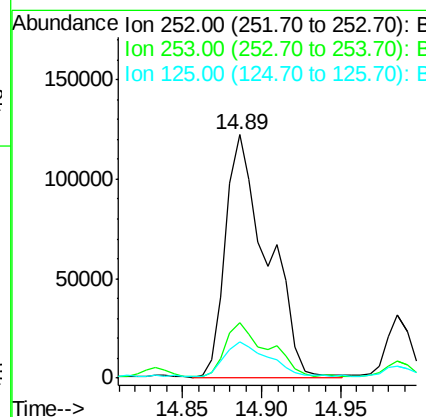
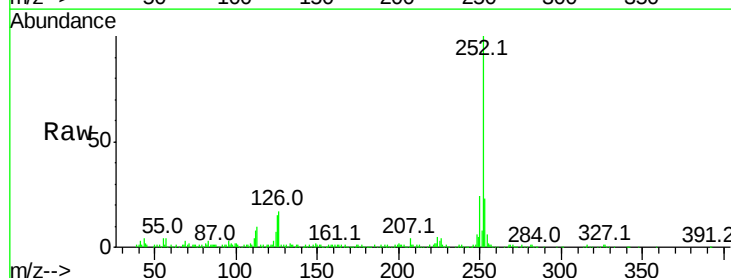
Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

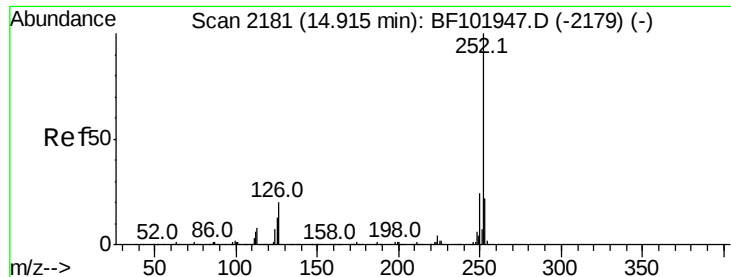
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 8.852 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.1	9.0	13.6

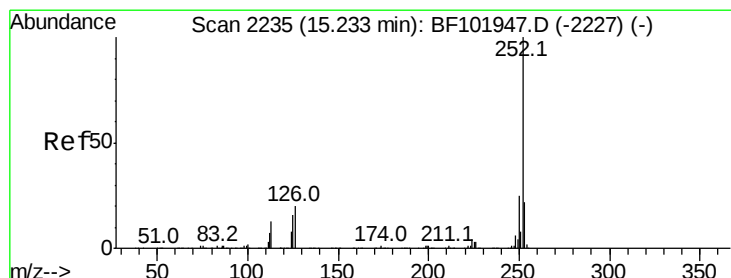
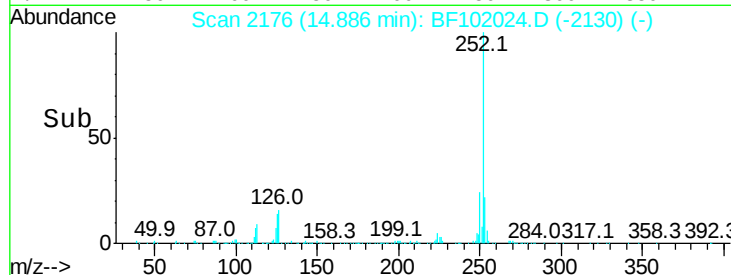
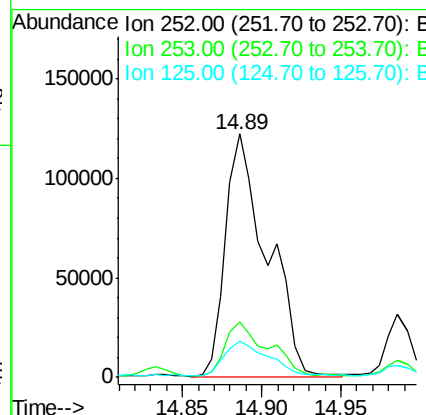
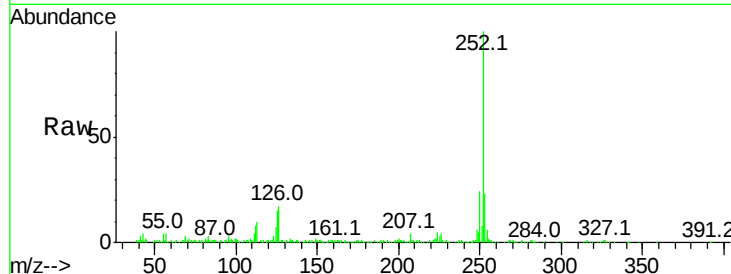




#88
Benzo(k)fluoranthene
Concen: 9.177 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

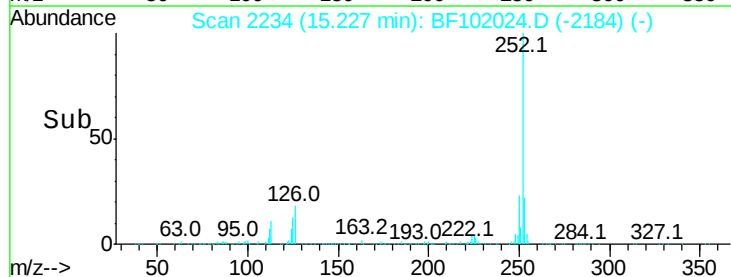
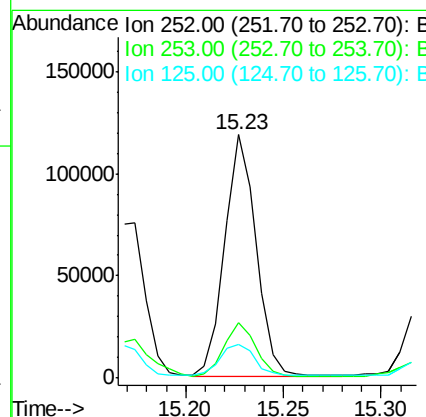
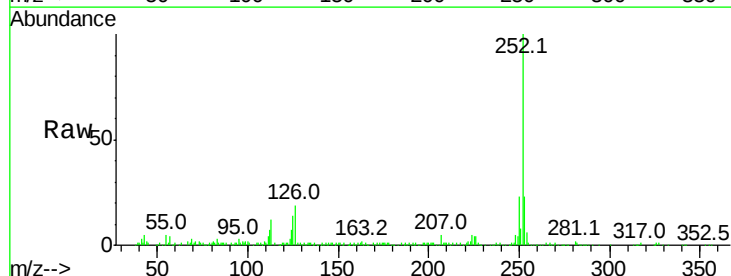
Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

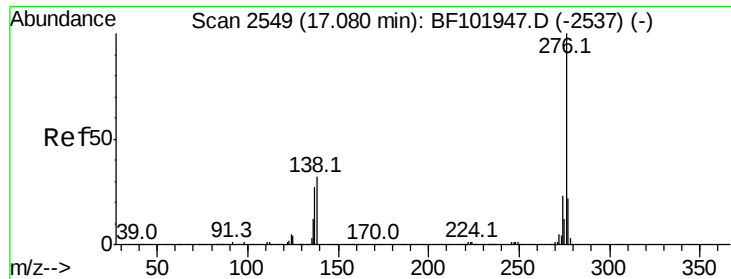
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	15.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.906 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102024.D
Acq: 11 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	14.0	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.231 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BF102024.D

Acq: 11 Jan 2018 17:52

Instrument :

BNA_F

ClientSampleId :

EPE-121-1(10-12)

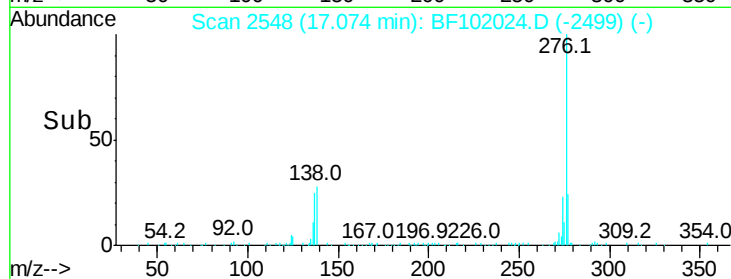
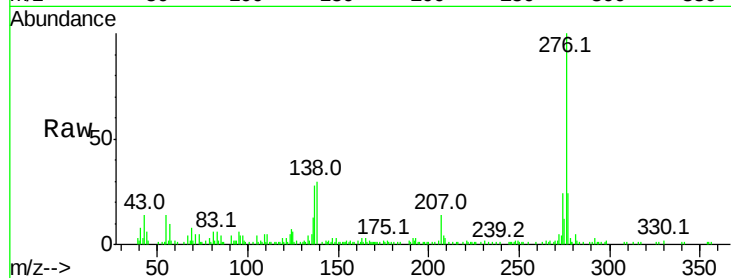
Tot Ion:276 Resp: 76858

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 30.0 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

