

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
 Data File : BF110476.D
 Acq On : 5 Nov 2018 20:18
 Operator : JU/SJ
 Sample : J5771-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-A

Quant Time: Nov 06 00:55:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

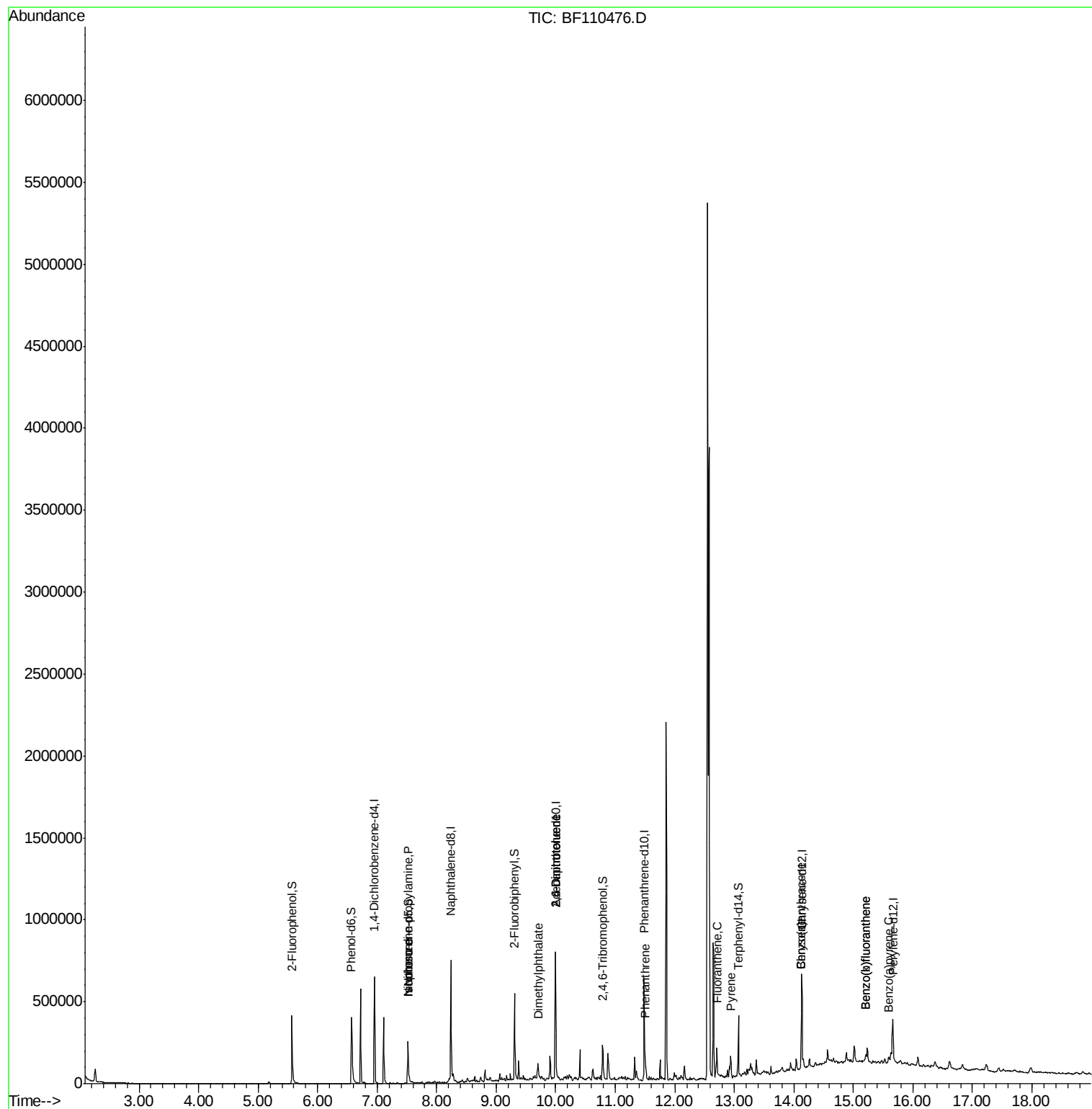
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	101854	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	407473	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	161725	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	238398	20.00	ng	0.00
76) Chrysene-d12	14.13	240	180516	20.00	ng	0.00
87) Perylene-d12	15.66	264	136660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	133174	21.29	ng	0.00
7) Phenol-d6	6.57	99	174614	21.83	ng	-0.01
23) Nitrobenzene-d5	7.52	82	106548	15.51	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	28335	17.69	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	186308	18.09	ng	0.00
79) Terphenyl-d14	13.07	244	117128	13.49	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	3140	Below Cal		Qvalue 82
19) n-Nitroso-di-n-propylamine	7.52	70	14405	2.807 ng	#	78
25) Isophorone	7.52	82	106548	9.099 ng	#	67
50) Dimethylphthalate	9.70	163	27764	2.326 ng		99
51) 2,6-Dinitrotoluene	9.99	165	21514	8.366 ng	#	22
57) 2,4-Dinitrotoluene	9.99	165	21514	6.587 ng	#	18
71) Phenanthrene	11.51	178	29582	2.371 ng		99
75) Fluoranthene	12.70	202	49218	3.888 ng		96
77) Benzidine	13.07	184	1802	Below Cal	#	80
78) Pyrene	12.94	202	48626	3.757 ng		98
81) Benzo(a)anthracene	14.12	228	26881	2.511 ng		97
83) Chrysene	14.12	228	26881	2.644 ng		93
88) Benzo(b)fluoranthene	15.21	252	33938	4.301 ng	#	86
89) Benzo(k)fluoranthene	15.21	252	33938	4.374 ng	#	85
90) Benzo(a)pyrene	15.59	252	17405	2.397 ng	#	87

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
Data File : BF110476.D
Acq On : 5 Nov 2018 20:18
Operator : JU/SJ
Sample : J5771-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-A

Quant Time: Nov 06 00:55:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

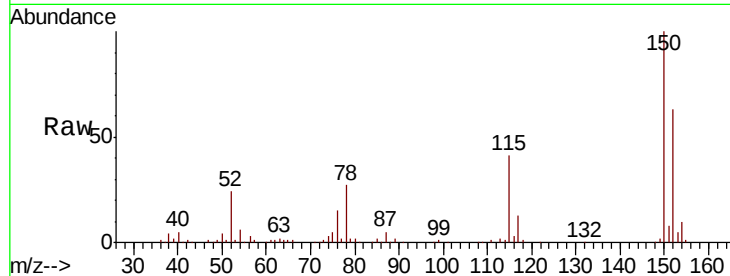




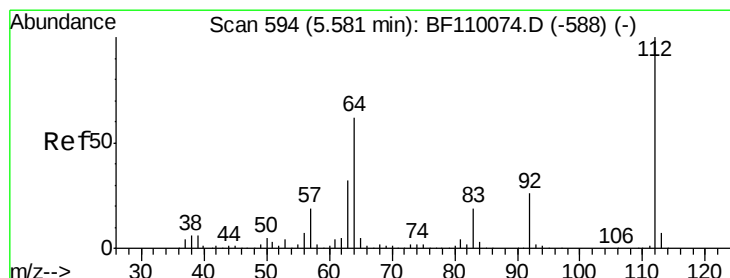
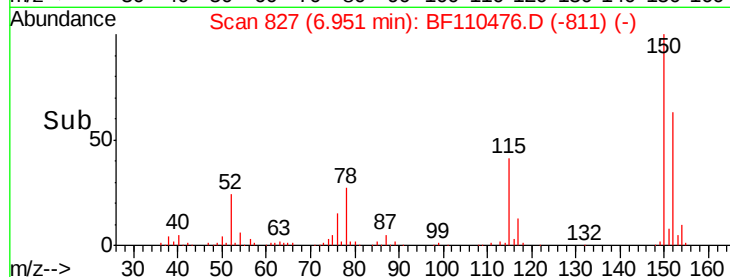
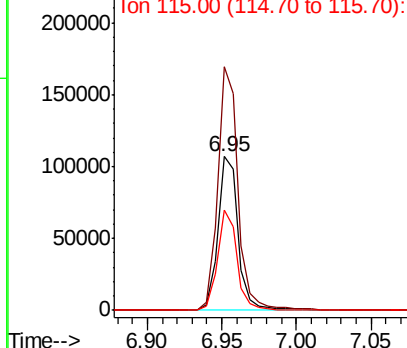
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF110476.D
 Acq: 5 Nov 2018 20:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-A

Tgt Ion:152 Resp: 101854
 Ion Ratio Lower Upper
 152 100
 150 158.7 122.7 184.1
 115 65.2 49.1 73.7

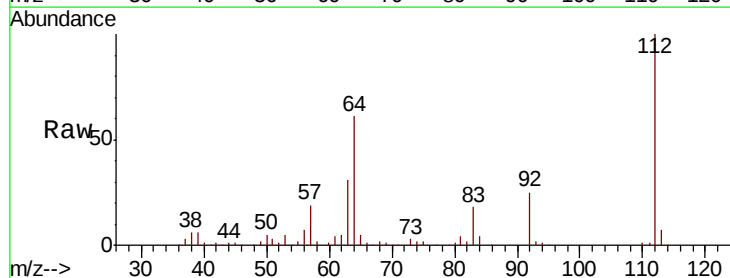


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

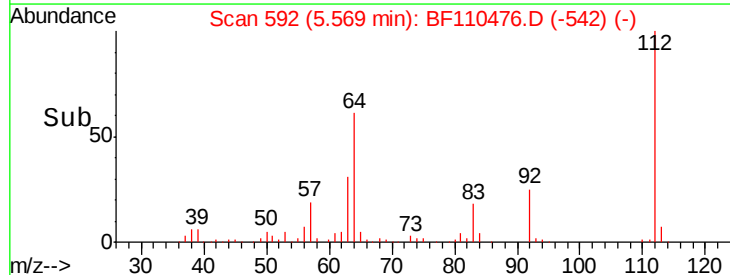
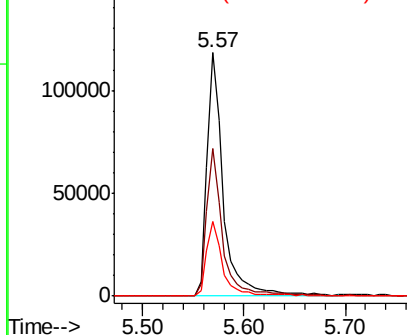


#5
 2-Fluorophenol
 Concen: 21.292 ng
 RT: 5.57 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF110476.D
 Acq: 5 Nov 2018 20:18

Tgt Ion:112 Resp: 133174
 Ion Ratio Lower Upper
 112 100
 64 60.7 44.1 66.1
 63 30.8 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: 21.826 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-A

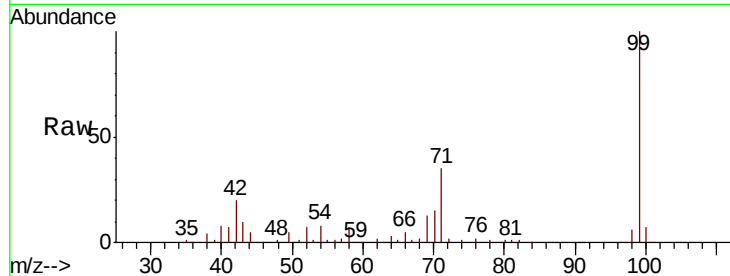
Tgt Ion: 99 Resp: 174614

Ion Ratio Lower Upper

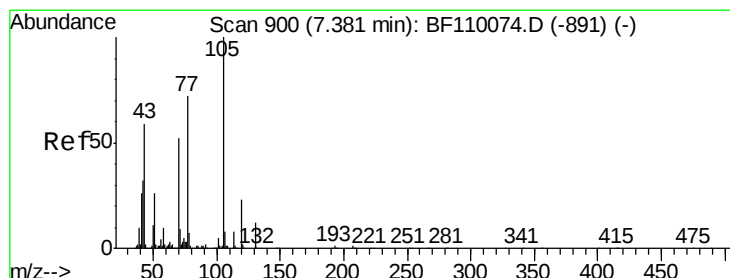
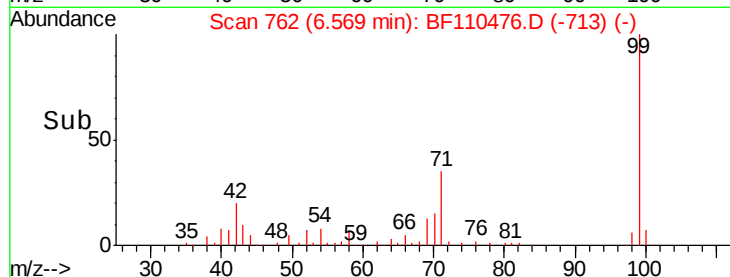
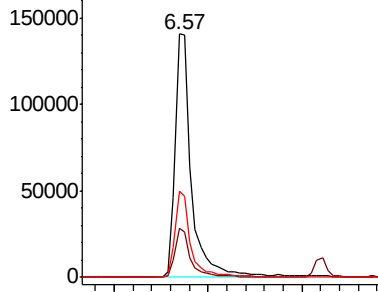
99 100

42 20.2 15.8 23.6

71 35.5 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.807 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Tgt Ion: 70 Resp: 14405

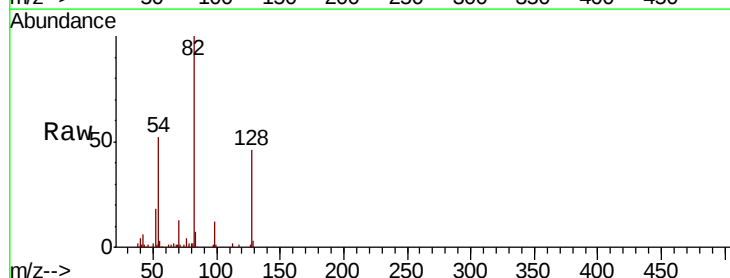
Ion Ratio Lower Upper

70 100

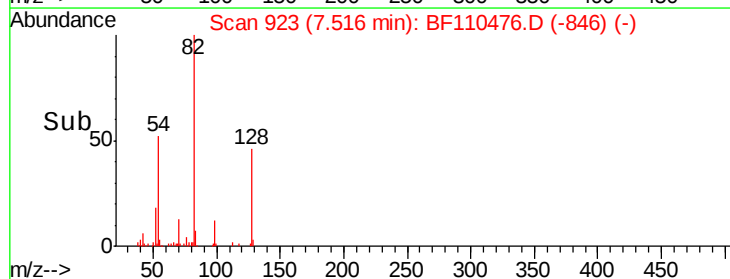
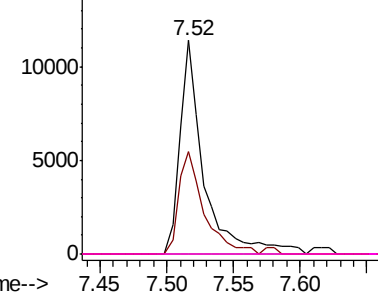
42 48.3 47.4 71.2

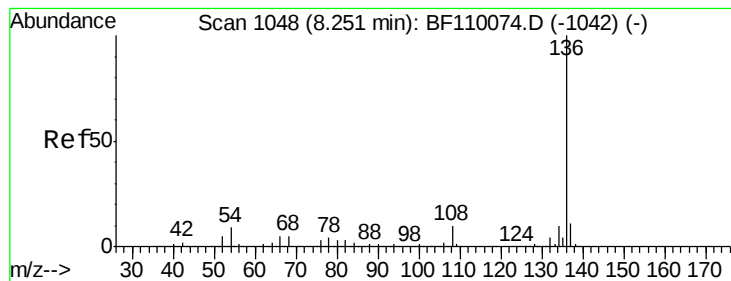
101 0.0 7.3 10.9#

130 0.0 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-A

Tgt Ion:136 Resp: 407473

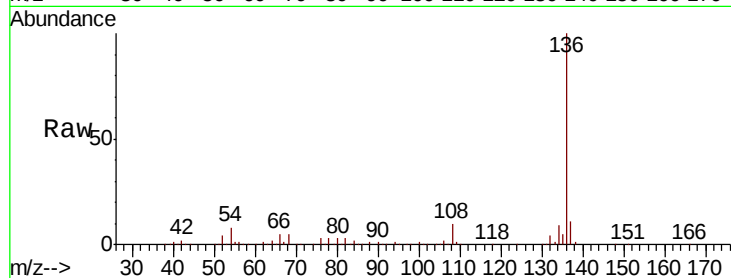
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.8 5.4 8.2

68 4.8 4.2 6.2

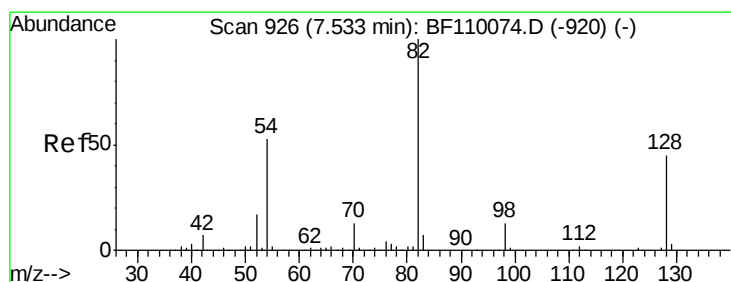
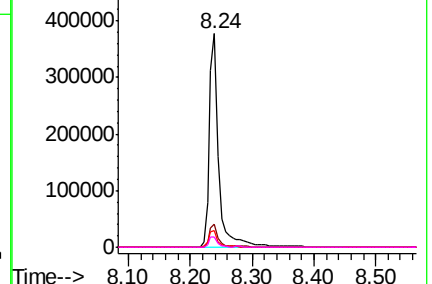
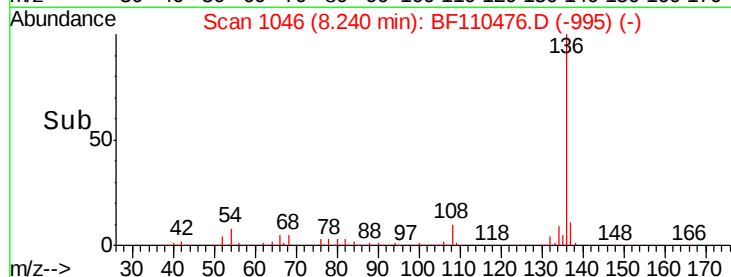


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 15.509 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

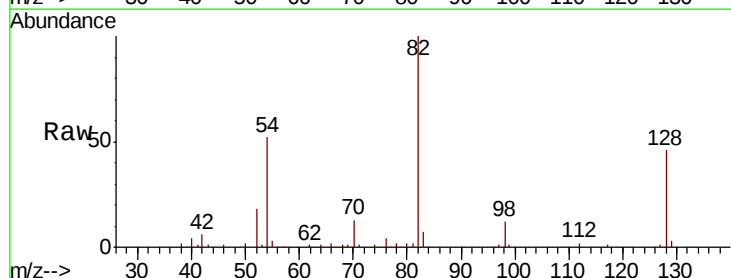
Tgt Ion: 82 Resp: 106548

Ion Ratio Lower Upper

82 100

128 45.8 34.2 51.2

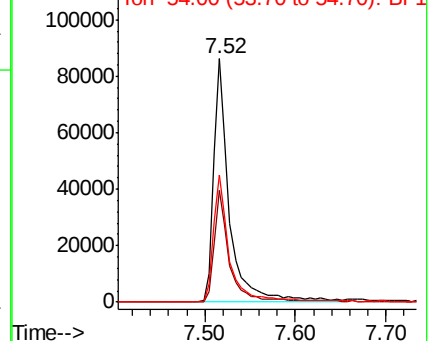
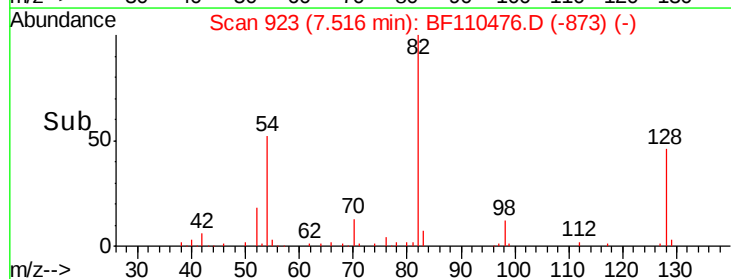
54 52.2 38.6 58.0

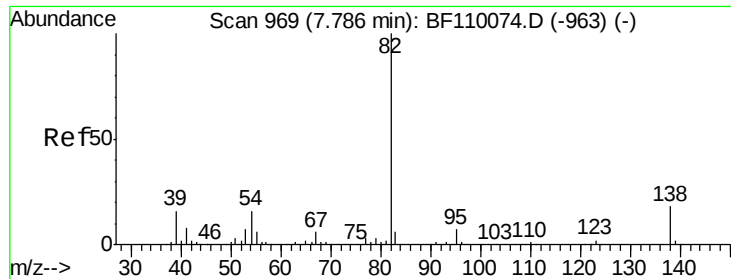


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

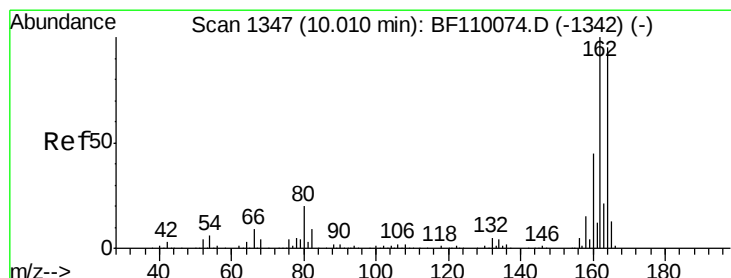
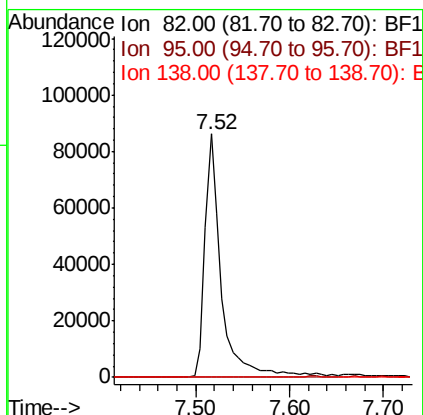
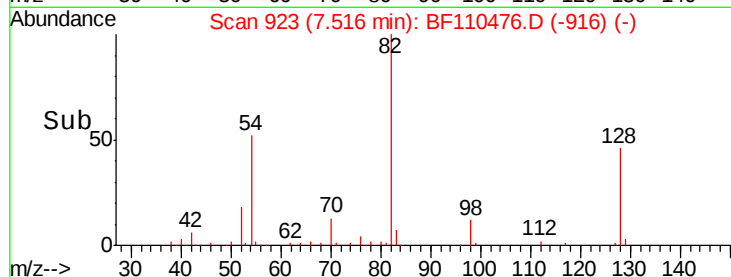
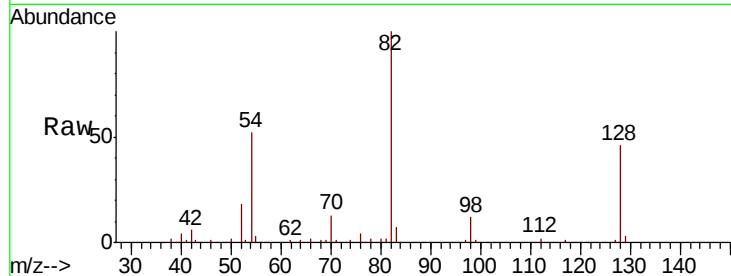




#25
Isophorone
Concen: 9.099 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

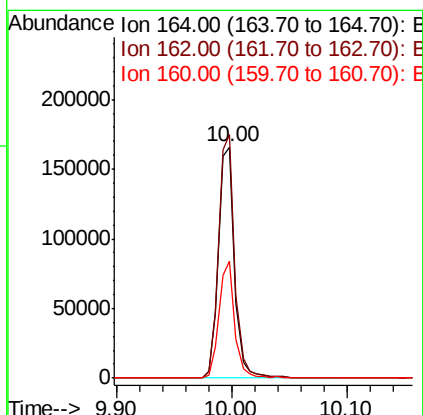
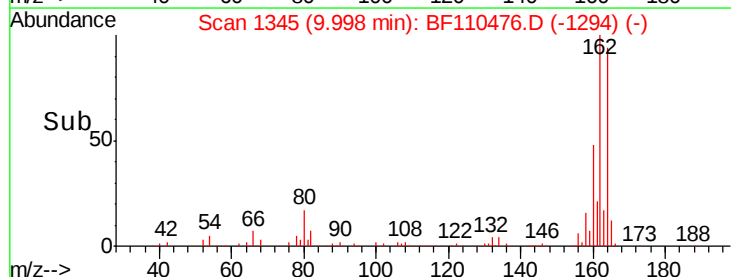
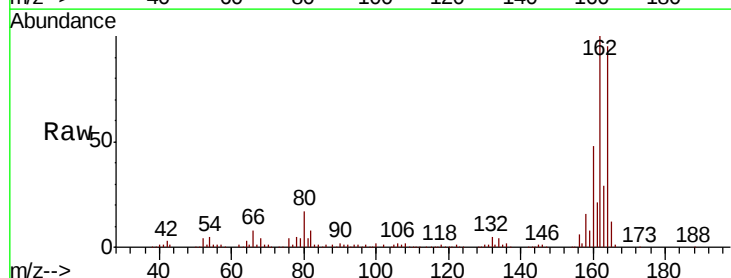
Instrument :
BNA_F
ClientSampleId :
EO-01-110218-A

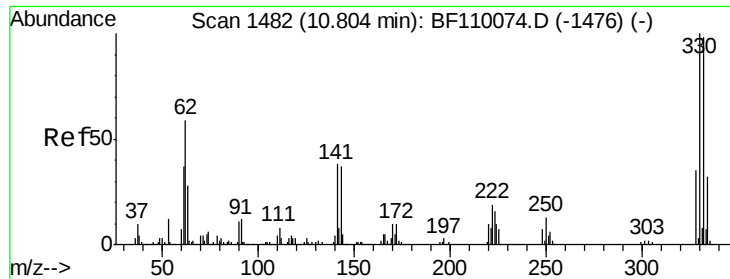
Tgt Ion: 82 Resp: 106548
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion: 164 Resp: 161725
Ion Ratio Lower Upper
164 100
162 105.4 83.0 124.6
160 50.5 37.0 55.6

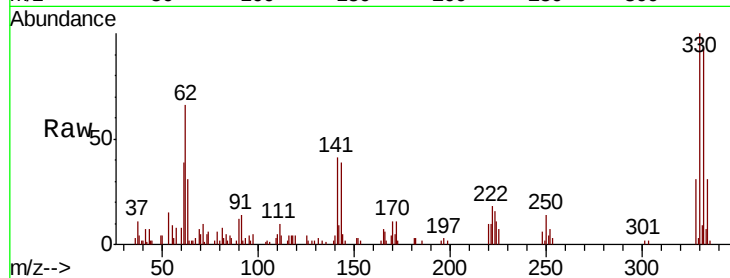




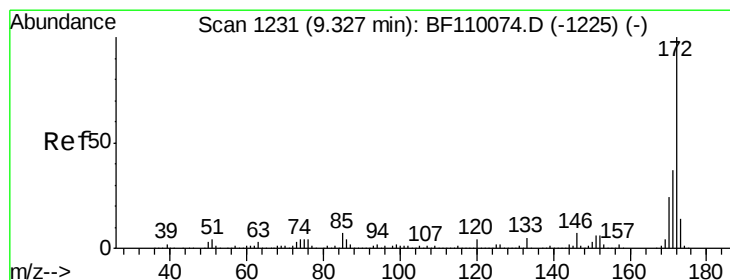
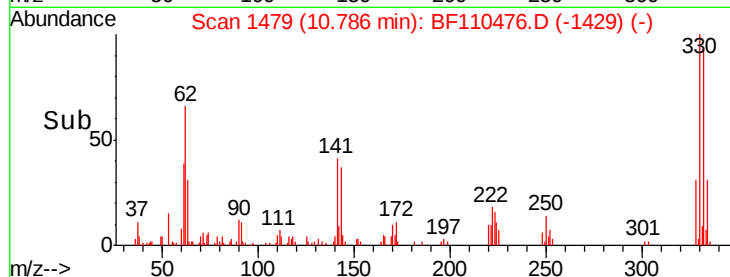
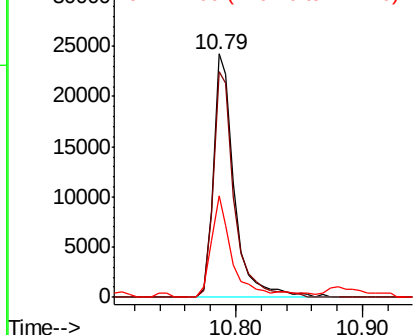
#42
 2,4,6-Tribromophenol
 Concen: 17.687 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110476.D
 Acq: 5 Nov 2018 20:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-A

Tgt Ion:330 Resp: 28335
 Ion Ratio Lower Upper
 330 100
 332 92.9 77.1 115.7
 141 43.0 27.0 40.4#

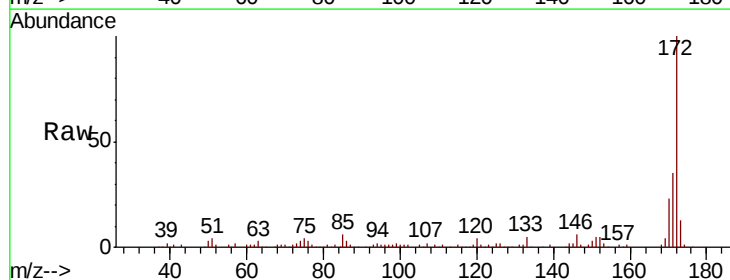


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

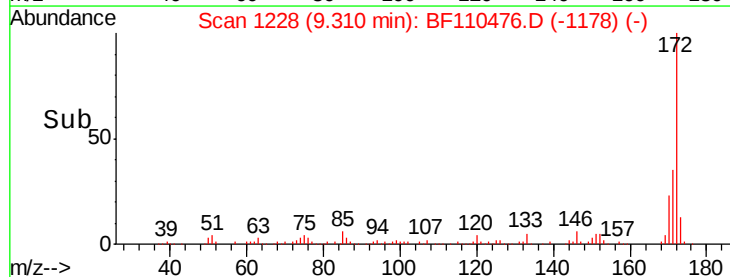
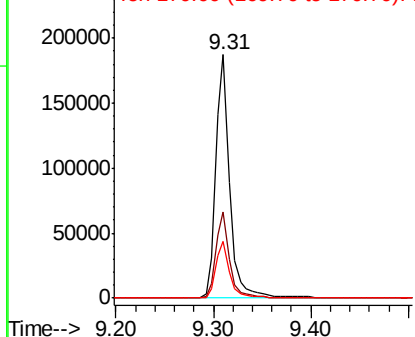


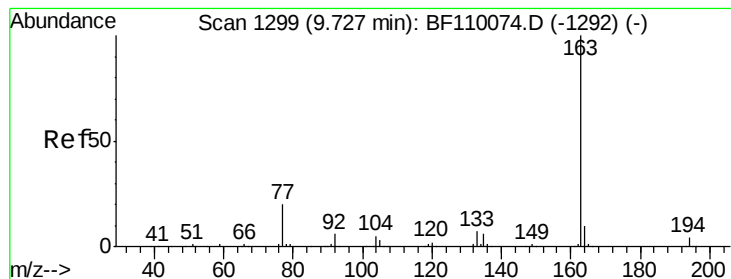
#45
 2-Fluorobiphenyl
 Concen: 18.089 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110476.D
 Acq: 5 Nov 2018 20:18

Tgt Ion:172 Resp: 186308
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 43.0
 170 23.3 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.326 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-A

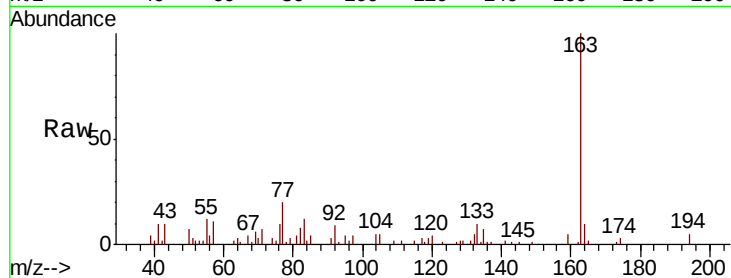
Tgt Ion:163 Resp: 27764

Ion Ratio Lower Upper

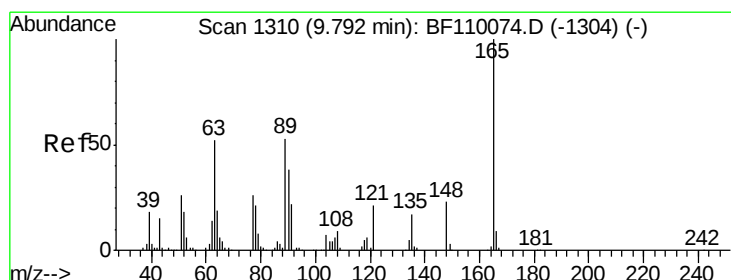
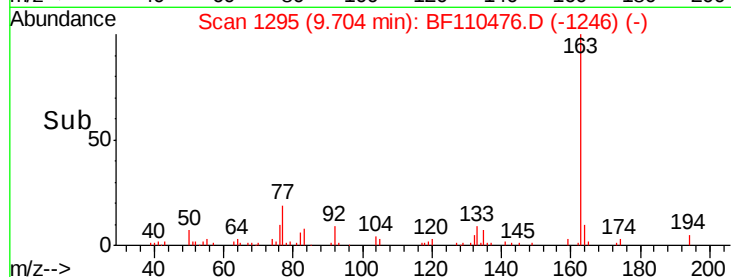
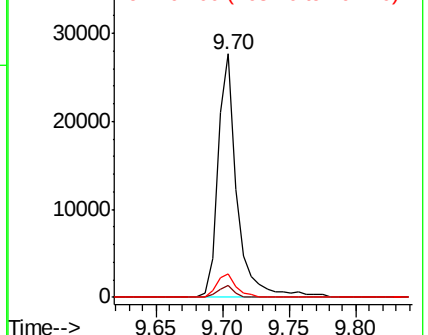
163 100

194 4.6 3.2 4.8

164 9.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.366 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.21 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

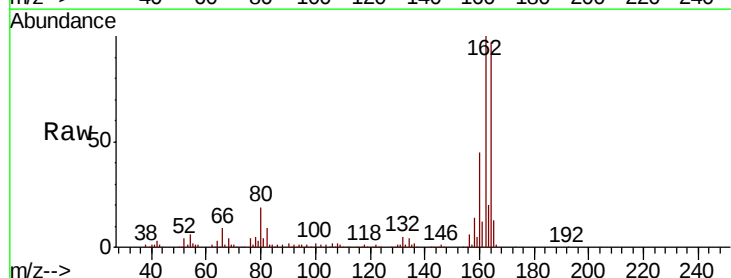
Tgt Ion:165 Resp: 21514

Ion Ratio Lower Upper

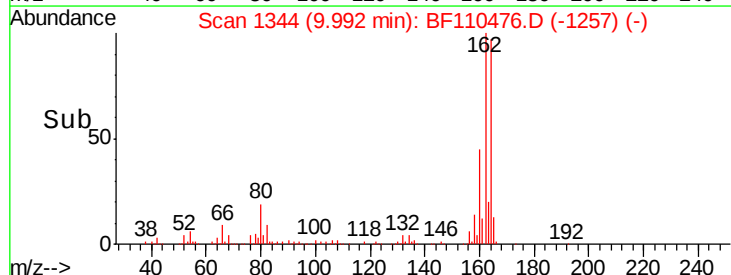
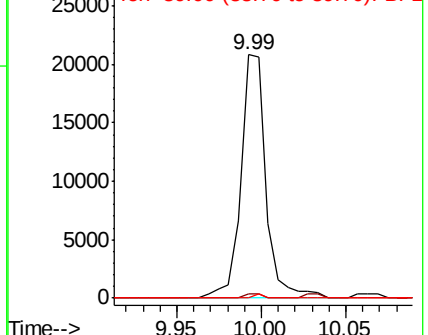
165 100

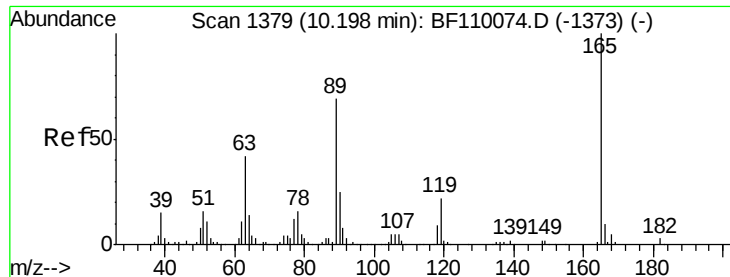
63 1.9 48.9 73.3#

89 0.0 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

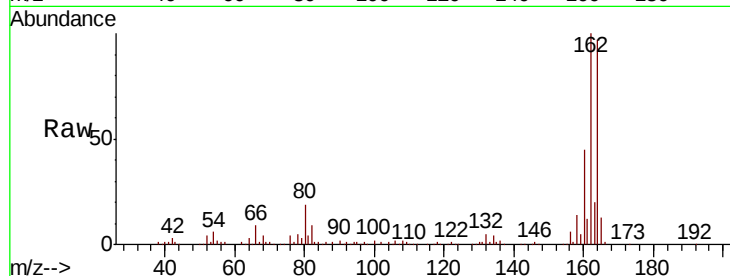




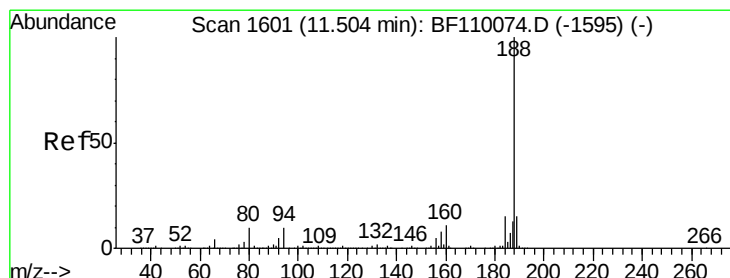
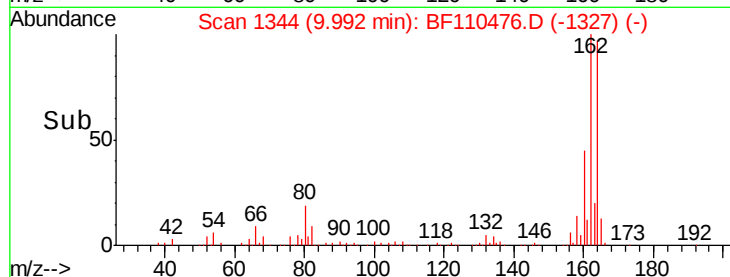
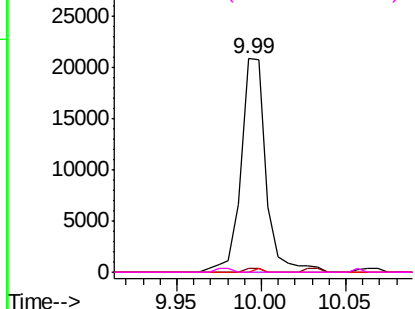
#57
2,4-Dinitrotoluene
Concen: 6.587 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-A

Tgt Ion:	165	Resp:	21514
Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

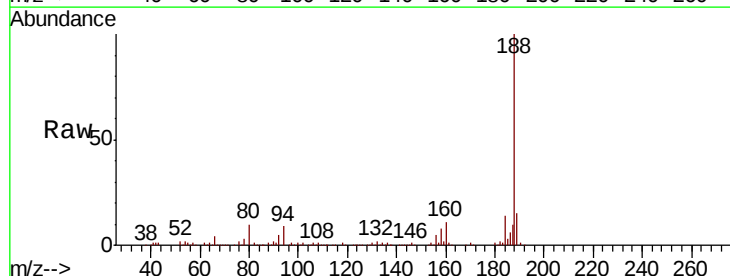


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

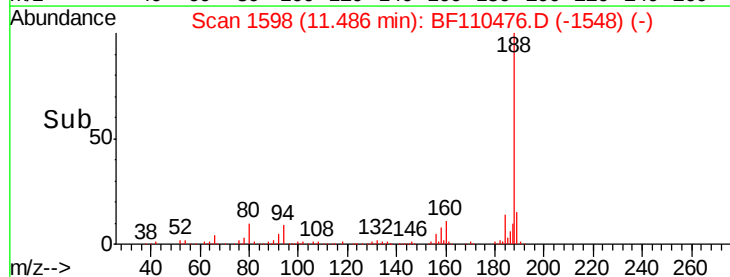
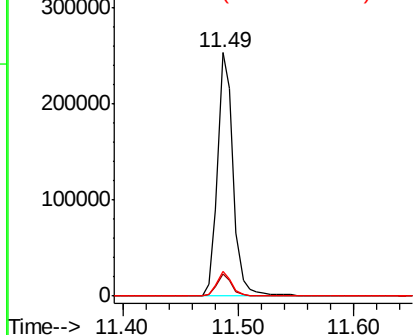


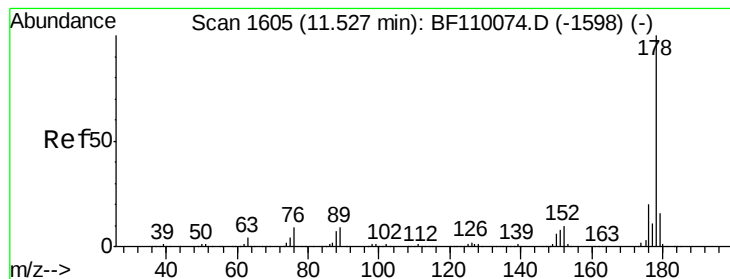
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:	188	Resp:	238398
Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	10.4	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.371 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-A

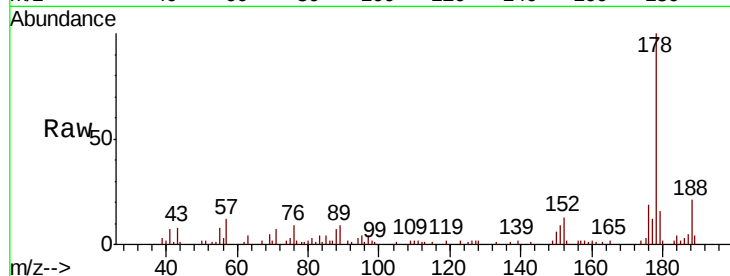
Tgt Ion:178 Resp: 29582

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

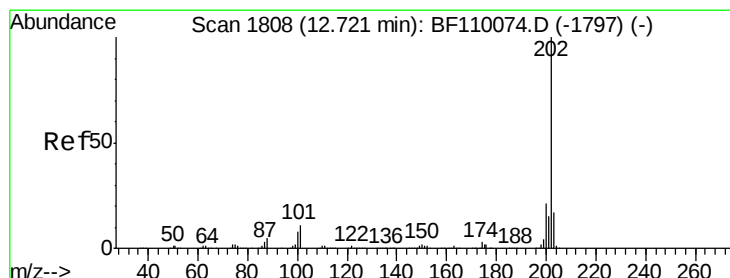
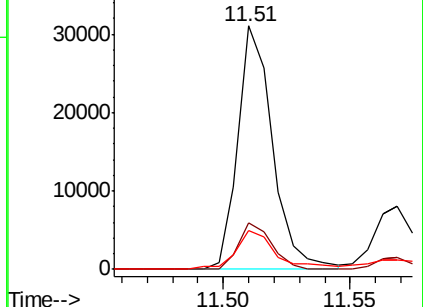
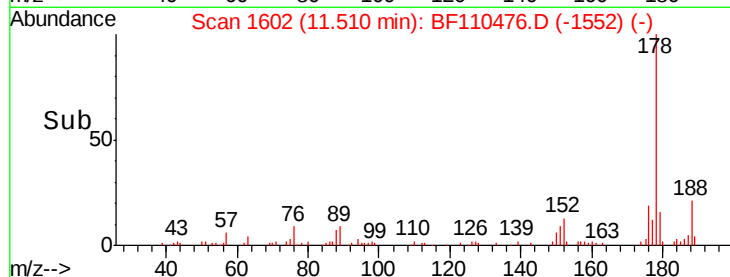
179 16.2 12.5 18.7



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



#75

Fluoranthene

Concen: 3.888 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

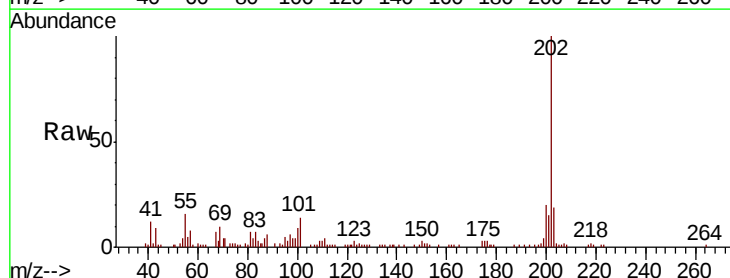
Tgt Ion:202 Resp: 49218

Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.4

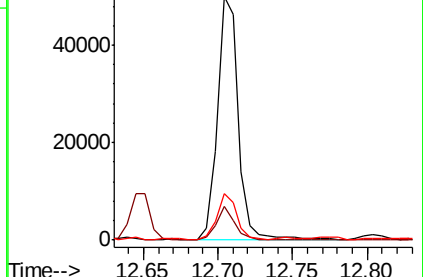
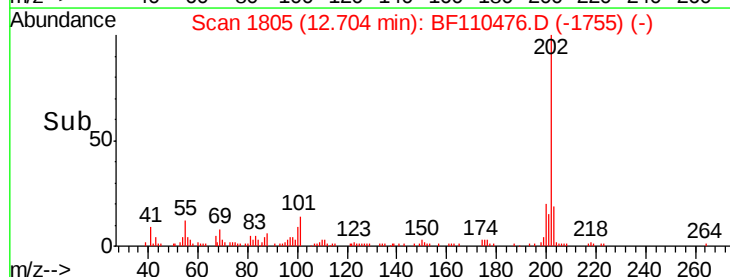
203 18.9 0.0 37.7

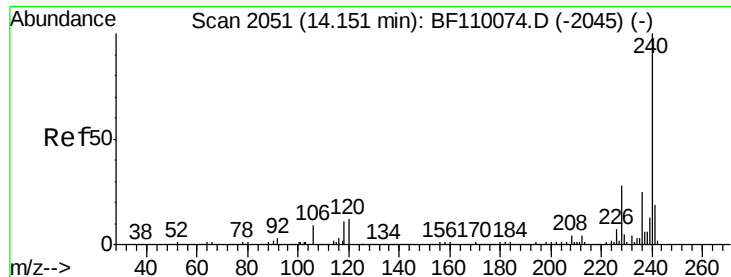


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

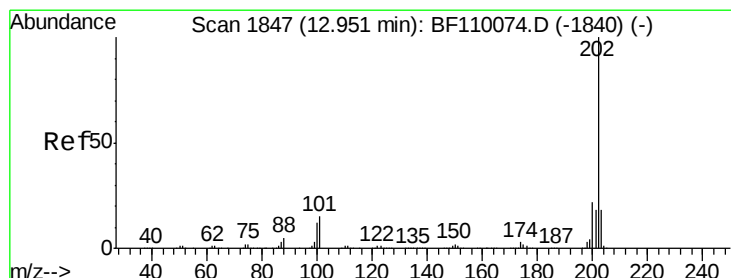
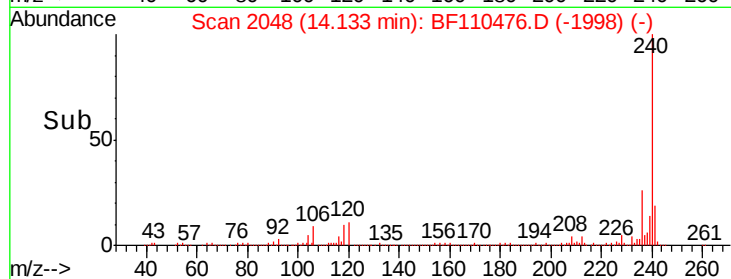
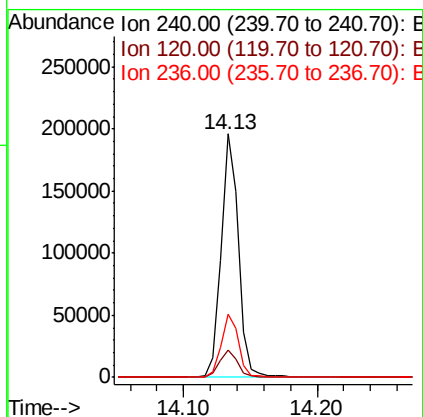
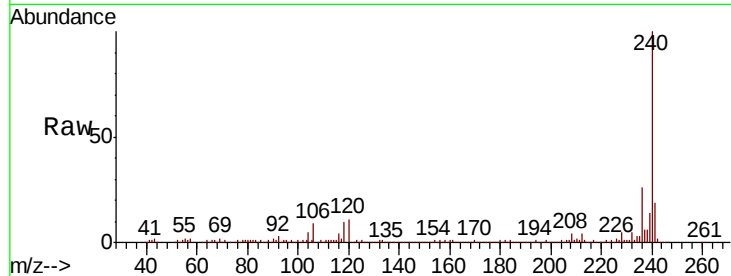




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

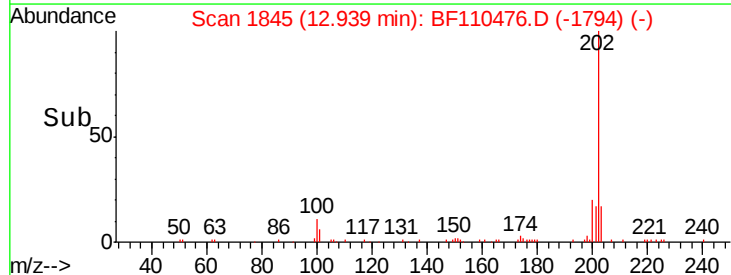
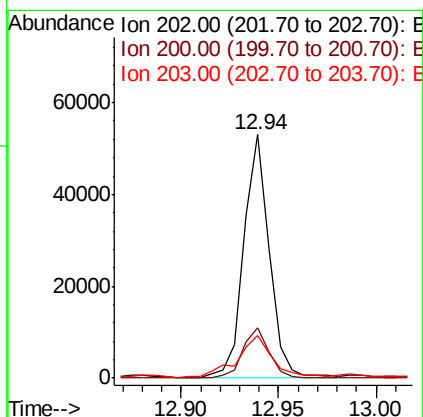
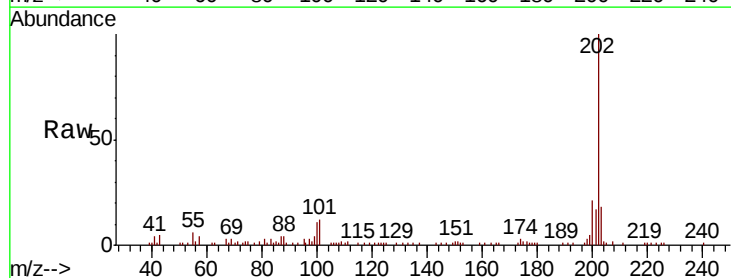
Instrument :
BNA_F
ClientSampleId :
EO-01-110218-A

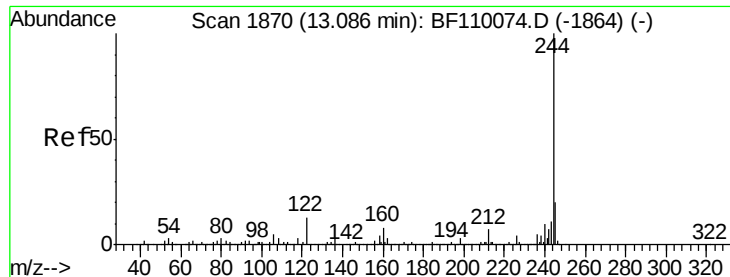
Tgt Ion:240 Resp: 180516
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 26.1 21.2 31.8



#78
Pyrene
Concen: 3.757 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:202 Resp: 48626
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 13.494 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-A

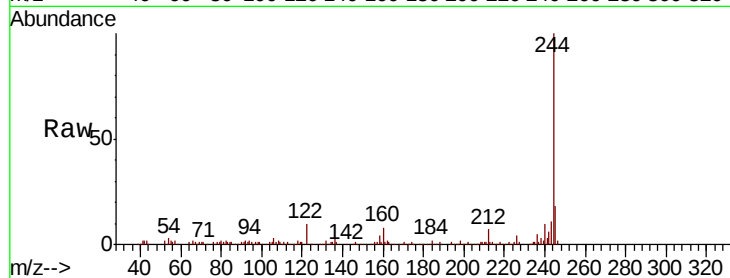
Tgt Ion:244 Resp: 117128

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

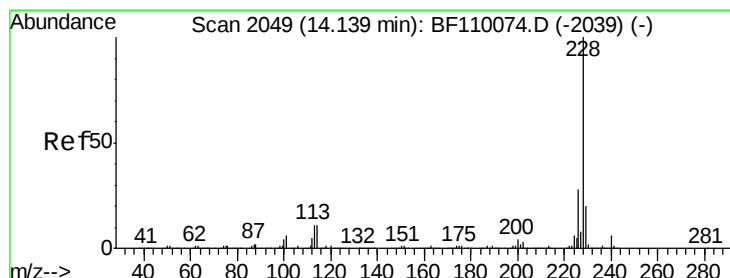
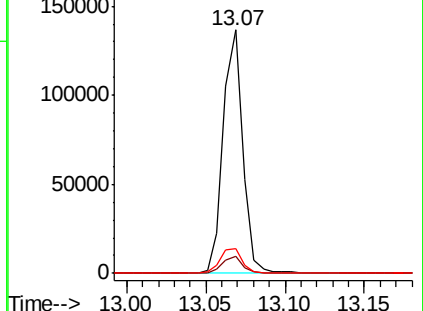
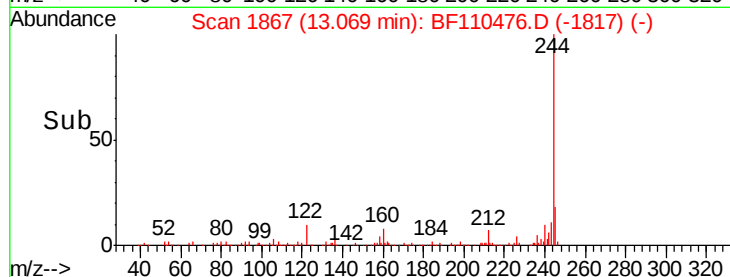
122 10.3 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 2.511 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

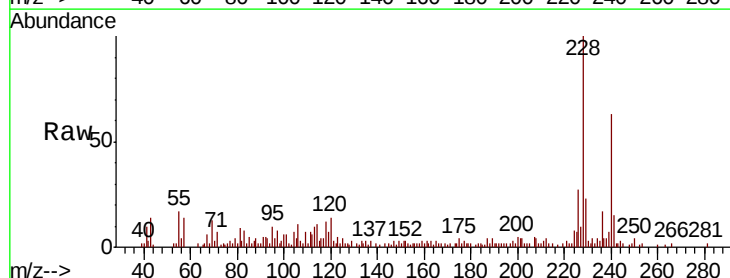
Tgt Ion:228 Resp: 26881

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

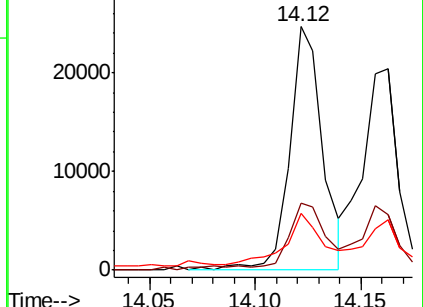
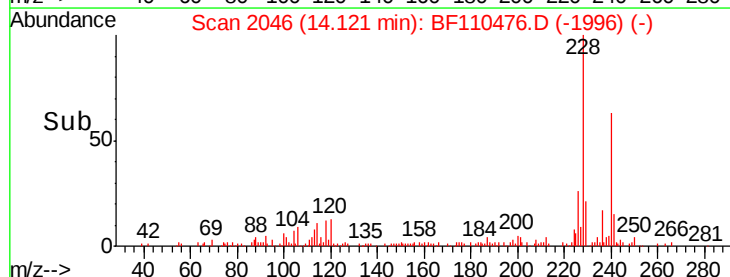
229 23.1 15.6 23.4

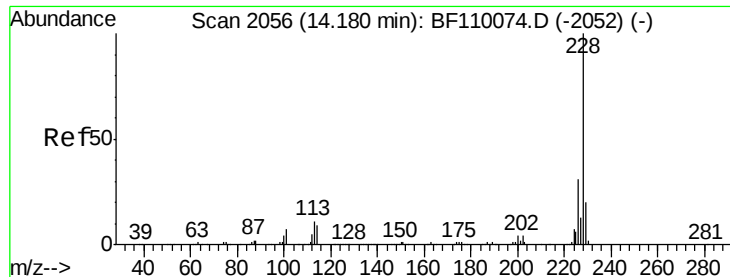


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.644 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.05 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-A

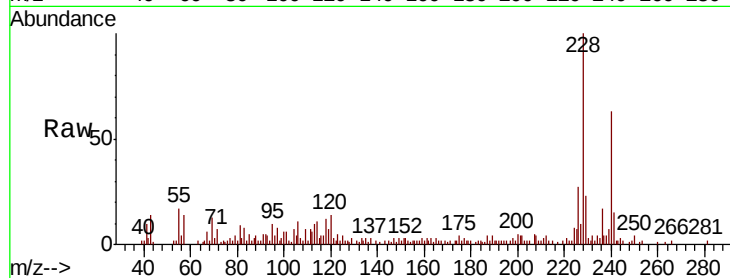
Tgt Ion:228 Resp: 26881

Ion Ratio Lower Upper

228 100

226 27.5 24.7 37.1

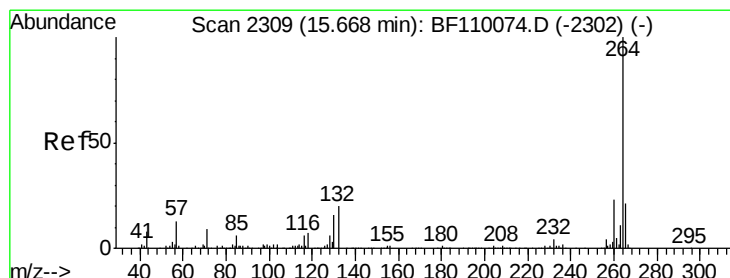
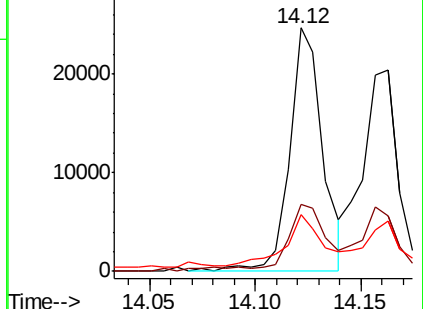
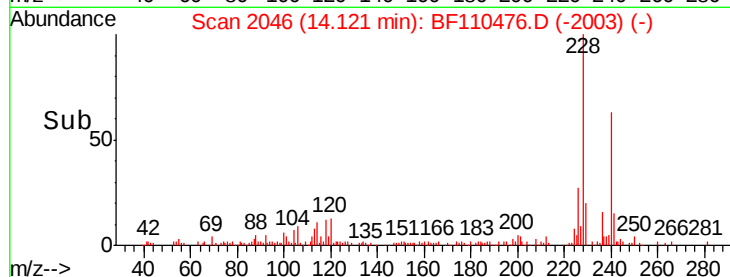
229 23.1 15.9 23.9



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

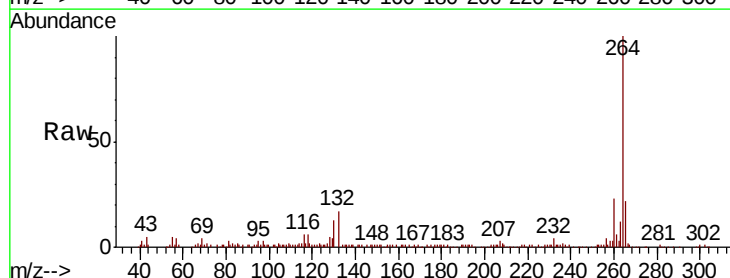
Tgt Ion:264 Resp: 136660

Ion Ratio Lower Upper

264 100

260 22.7 18.7 28.1

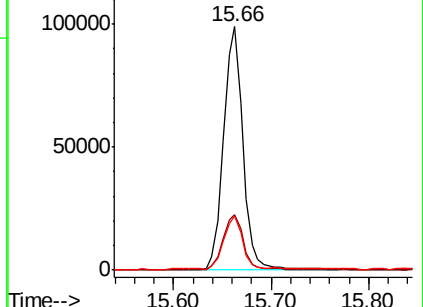
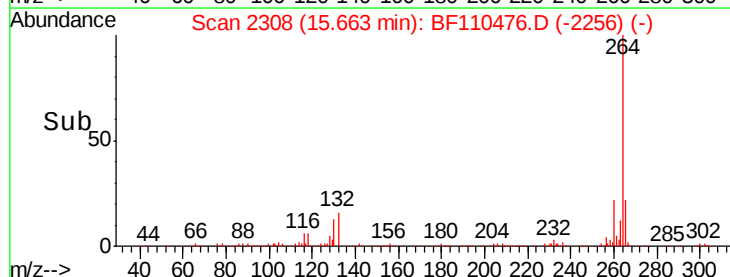
265 22.0 16.7 25.1

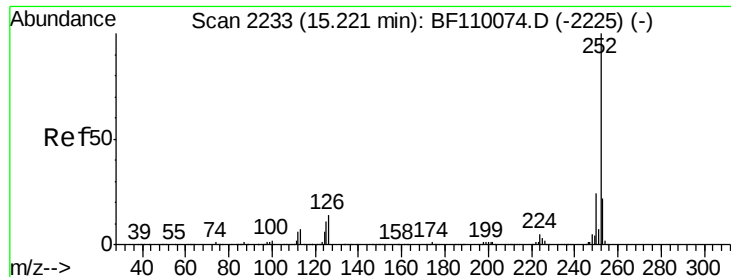


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

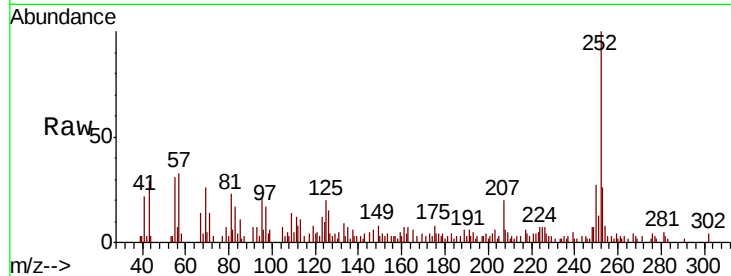




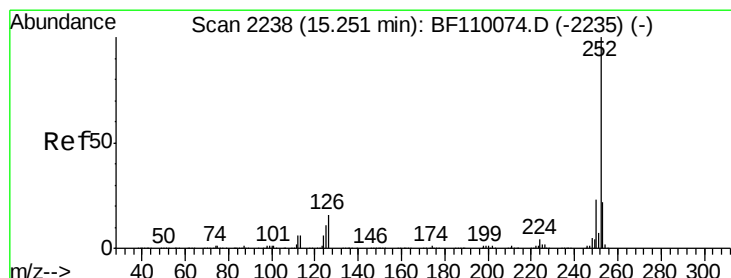
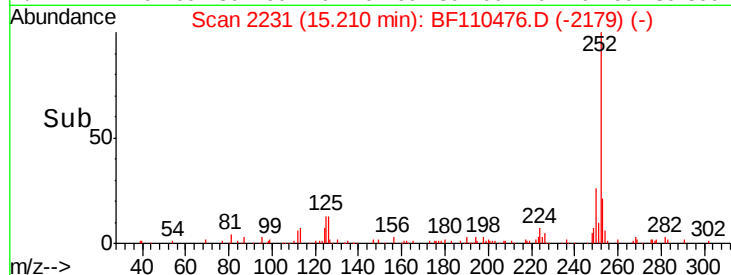
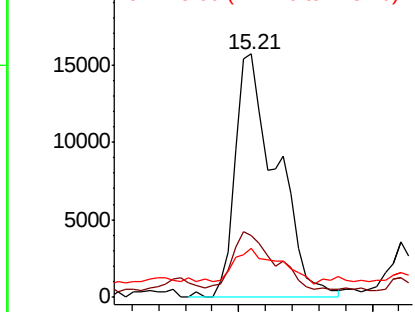
#88
Benzo(b)fluoranthene
Concen: 4.301 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-A

Tgt Ion:252 Resp: 33938
Ion Ratio Lower Upper
252 100
253 25.6 17.2 25.8
125 20.0 8.2 12.4#

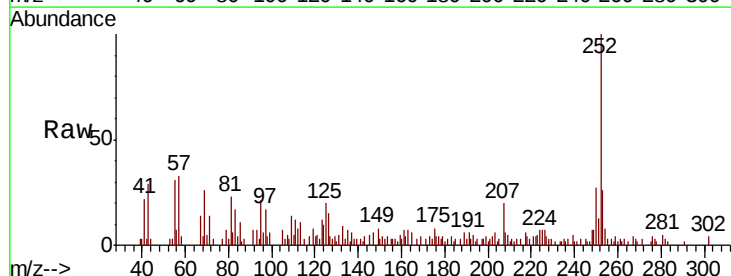


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

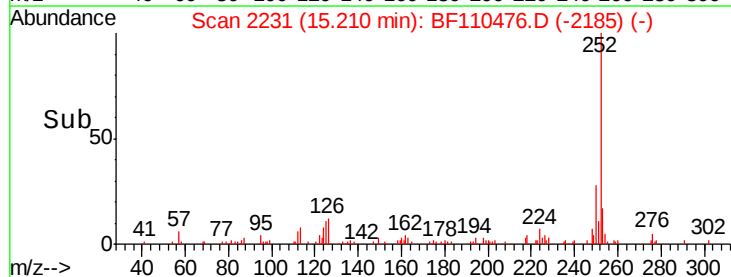
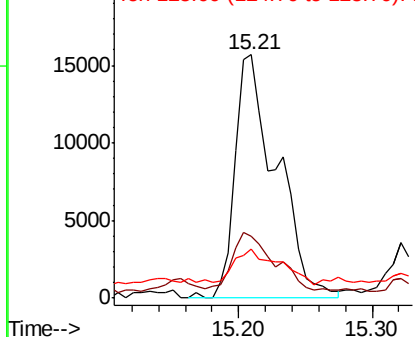


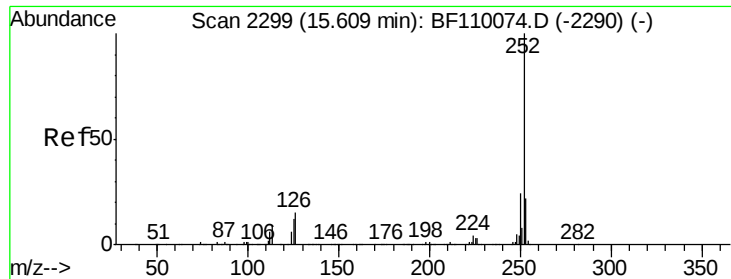
#89
Benzo(k)fluoranthene
Concen: 4.374 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:252 Resp: 33938
Ion Ratio Lower Upper
252 100
253 25.6 17.2 25.8
125 20.0 7.4 11.0#



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





#90

Benzo(a)pyrene

Concen: 2.397 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF110476.D

Acq: 5 Nov 2018 20:18

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-A

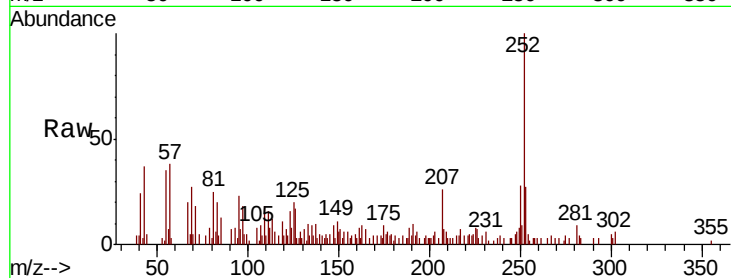
Tgt Ion:252 Resp: 17405

Ion Ratio Lower Upper

252 100

253 26.6 18.2 27.4

125 20.5 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

