

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
 Data File : BF110475.D
 Acq On : 5 Nov 2018 19:51
 Operator : JU/SJ
 Sample : J5771-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Nov 06 00:55:11 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	104494	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	416363	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	172958	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	259355	20.00	ng	0.00
76) Chrysene-d12	14.13	240	189290	20.00	ng	0.00
87) Perylene-d12	15.66	264	147628	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	103390	16.11	ng	0.00
7) Phenol-d6	6.57	99	136446	16.62	ng	-0.01
23) Nitrobenzene-d5	7.52	82	81065	11.55	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	23558	13.75	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	158245	14.37	ng	0.00
79) Terphenyl-d14	13.06	244	101589	11.16	ng	-0.01

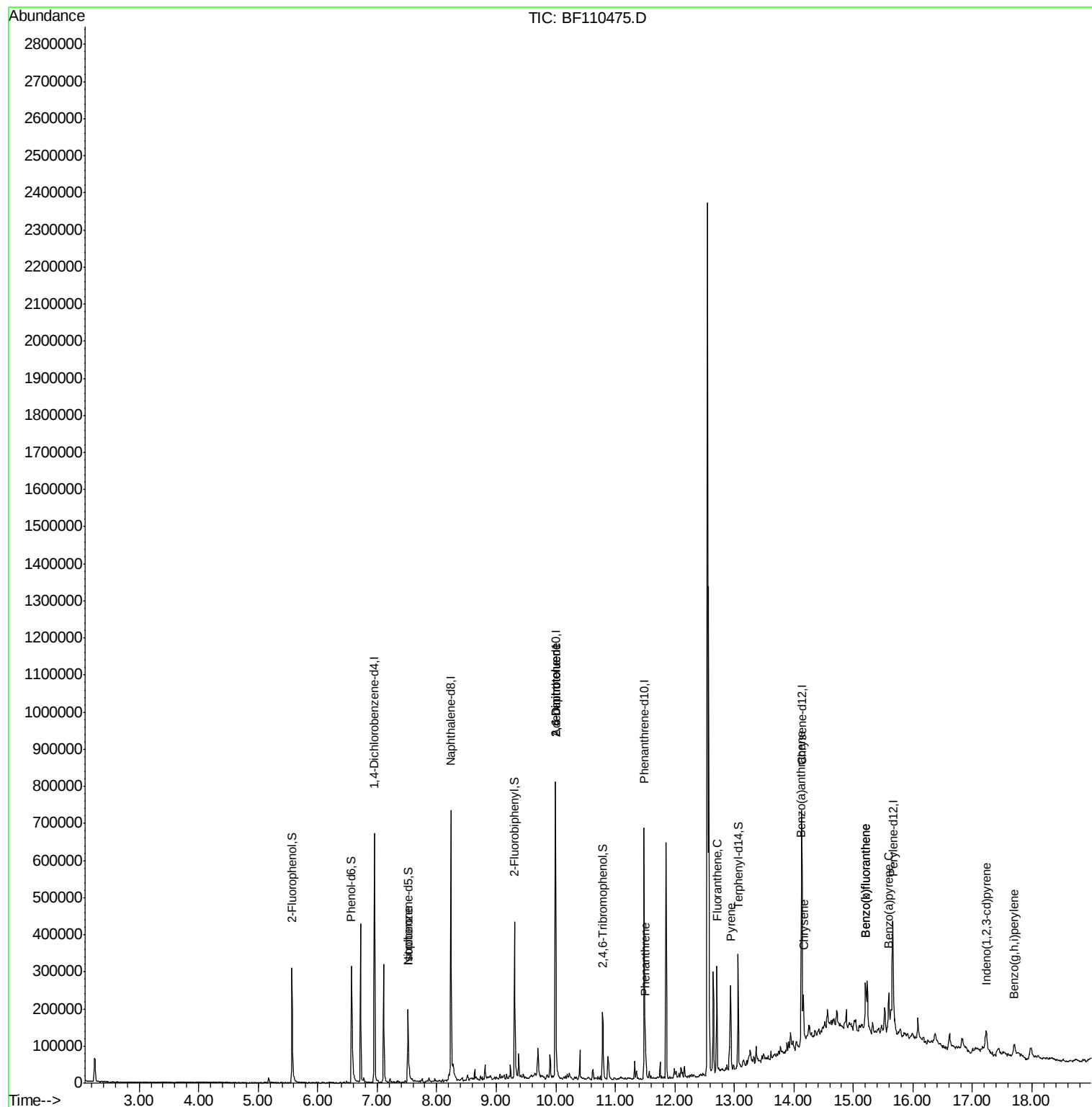
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	2618	Below Cal		# 80
25) Isophorone	7.52	82	81064	6.775	ng	# 67
51) 2,6-Dinitrotoluene	9.99	165	22610	8.221	ng	# 22
57) 2,4-Dinitrotoluene	9.99	165	22611	6.473	ng	# 19
71) Phenanthrene	11.51	178	30891	2.276	ng	99
75) Fluoranthene	12.70	202	107503	7.806	ng	99
77) Benzidine	13.07	184	1447	Below Cal		# 68
78) Pyrene	12.94	202	100840	7.431	ng	97
81) Benzo(a)anthracene	14.12	228	60812	5.417	ng	97
83) Chrysene	14.16	228	54298	5.093	ng	96
86) Indeno(1,2,3-cd)pyrene	17.23	276	28541	3.227	ng	95
88) Benzo(b)fluoranthene	15.20	252	95853	11.244	ng	# 90
89) Benzo(k)fluoranthene	15.20	252	95853	11.437	ng	# 89
90) Benzo(a)pyrene	15.59	252	47153	6.011	ng	# 96
92) Benzo(g,h,i)perylene	17.71	276	27092	4.062	ng	95

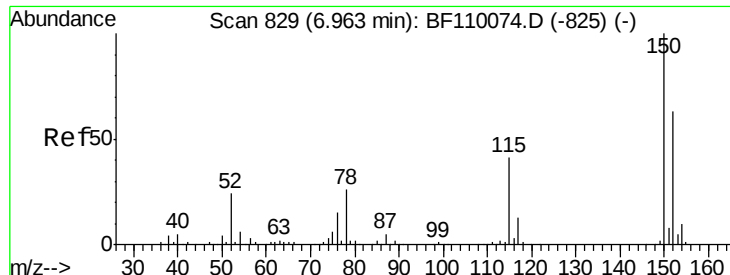
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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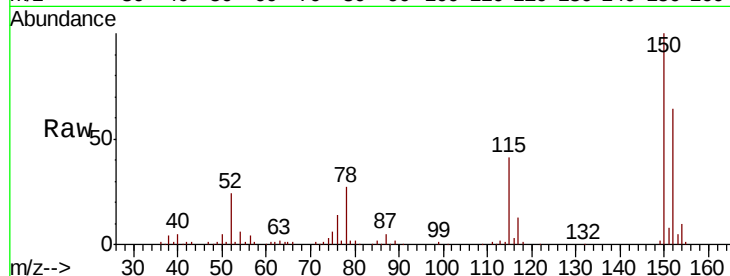




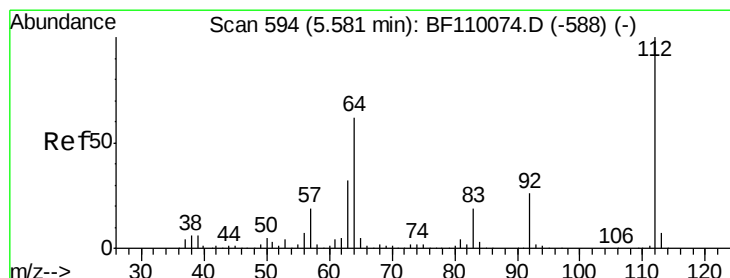
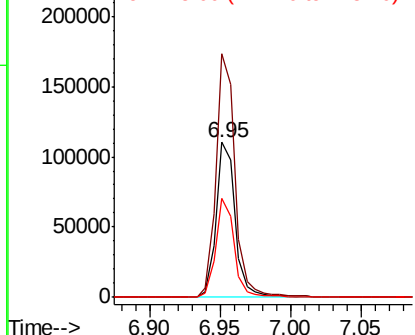
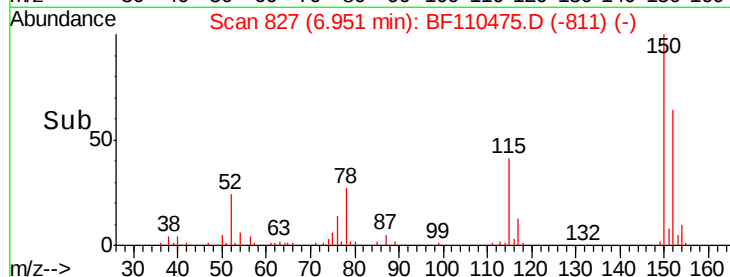
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

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

Tgt Ion:152 Resp: 104494
 Ion Ratio Lower Upper
 152 100
 150 157.0 122.7 184.1
 115 64.2 49.1 73.7

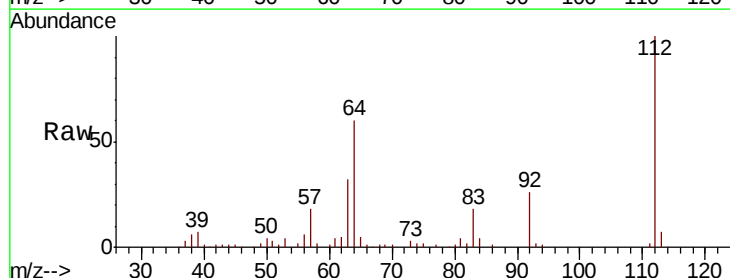


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

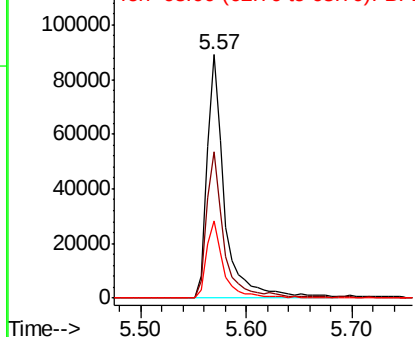
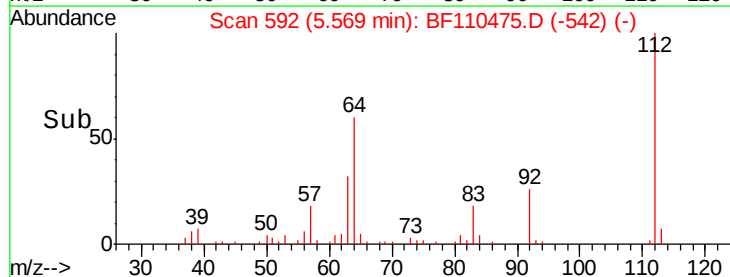


#5
 2-Fluorophenol
 Concen: 16.112 ng
 RT: 5.57 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Tgt Ion:112 Resp: 103390
 Ion Ratio Lower Upper
 112 100
 64 60.3 44.1 66.1
 63 31.5 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: 16.624 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-C

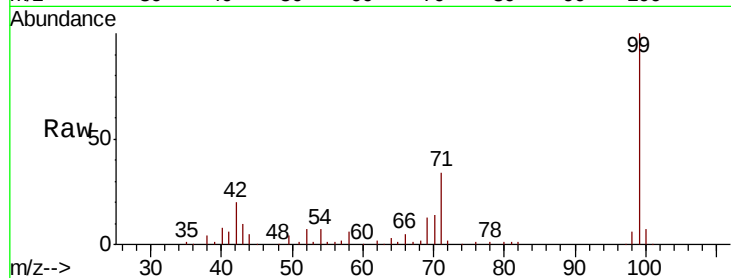
Tgt Ion: 99 Resp: 136446

Ion Ratio Lower Upper

99 100

42 20.1 15.8 23.6

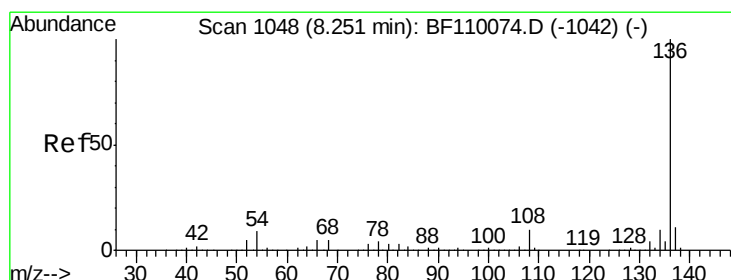
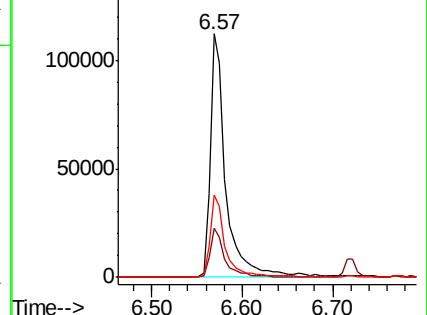
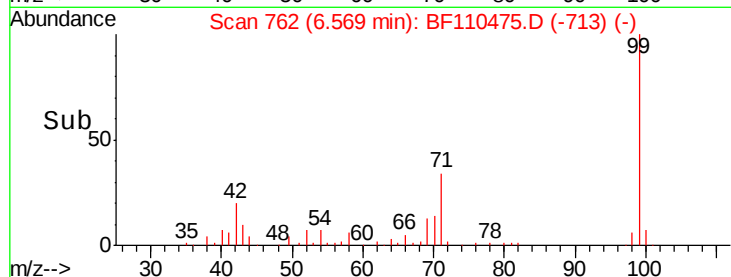
71 34.1 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Tgt Ion: 136 Resp: 416363

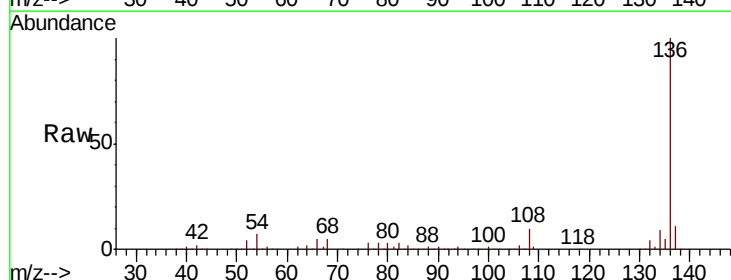
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.3 5.4 8.2

68 4.8 4.2 6.2

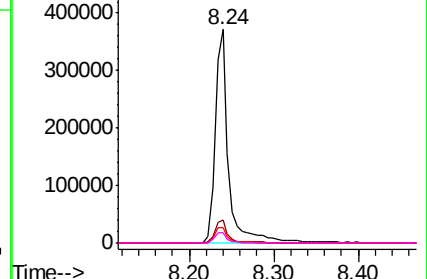
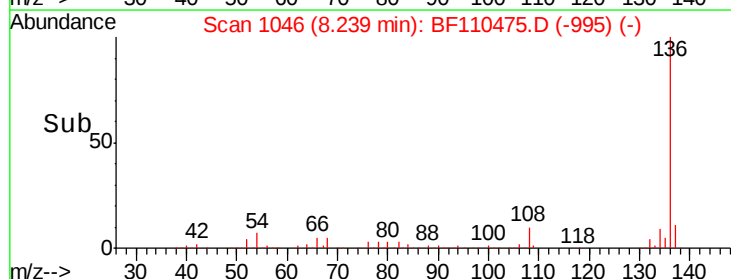


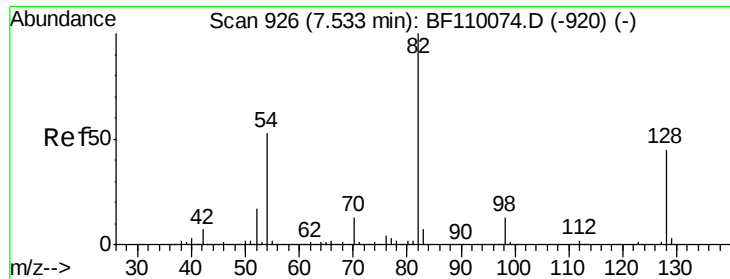
Abundance Ion 136.00 (135.70 to 136.70): E

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

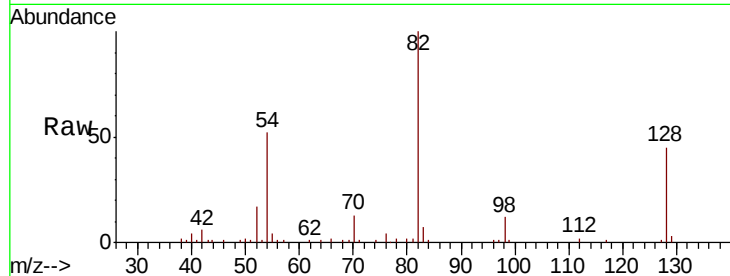




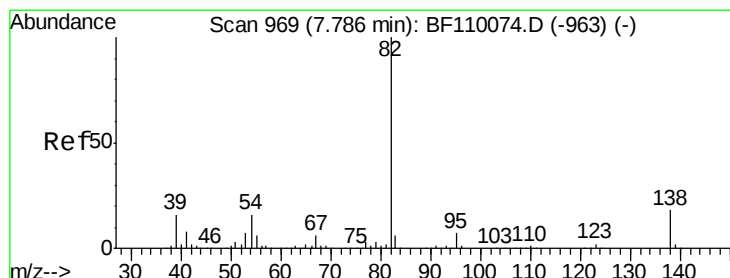
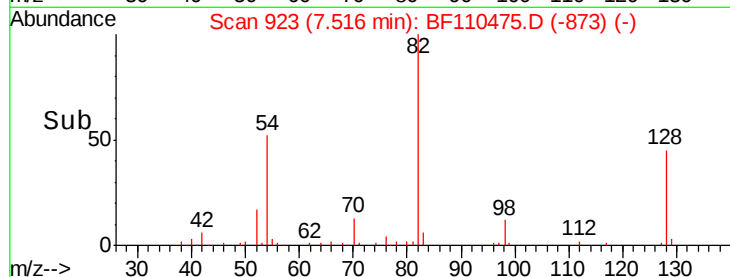
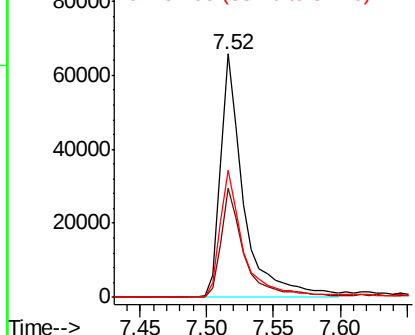
#23
 Nitrobenzene-d5
 Concen: 11.548 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

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

Tgt Ion: 82 Resp: 81065
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.2 51.2
 54 52.3 38.6 58.0

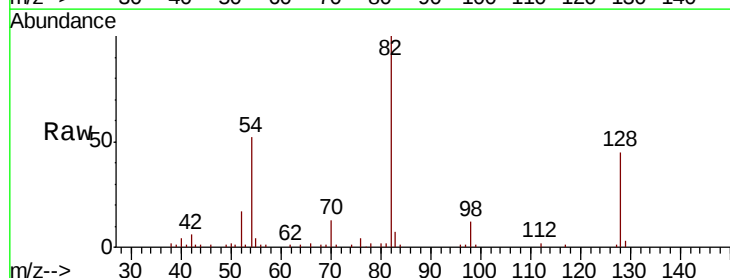


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

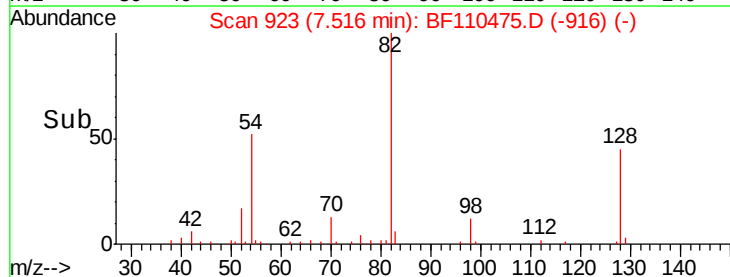
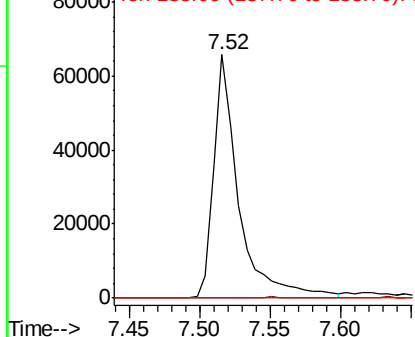


#25
 Isophorone
 Concen: 6.775 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Tgt Ion: 82 Resp: 81064
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-C

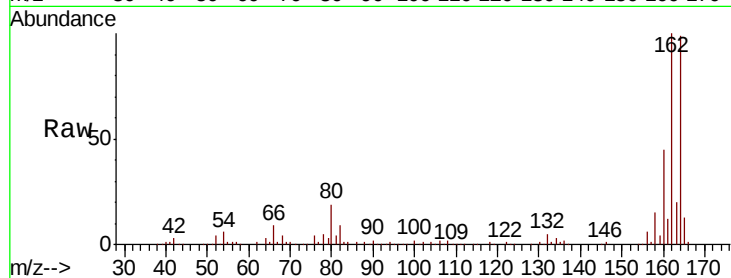
Tgt Ion:164 Resp: 172958

Ion Ratio Lower Upper

164 100

162 100.6 83.0 124.6

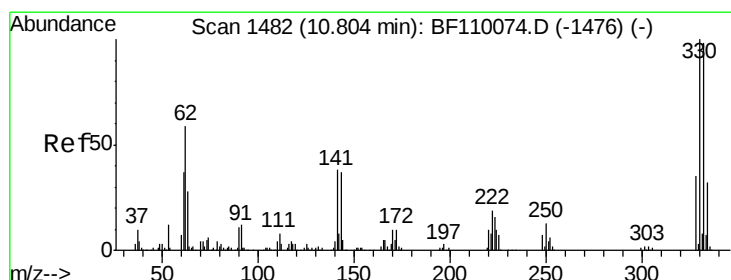
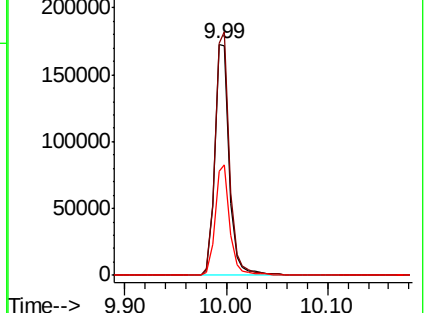
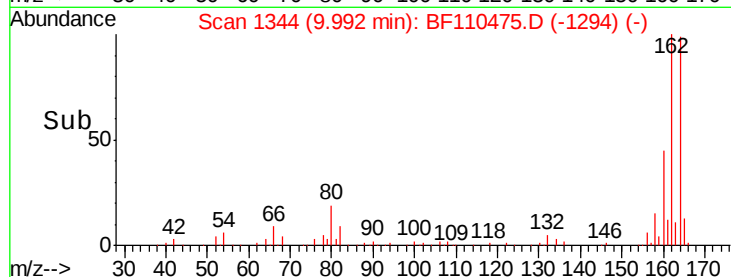
160 44.8 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 13.750 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

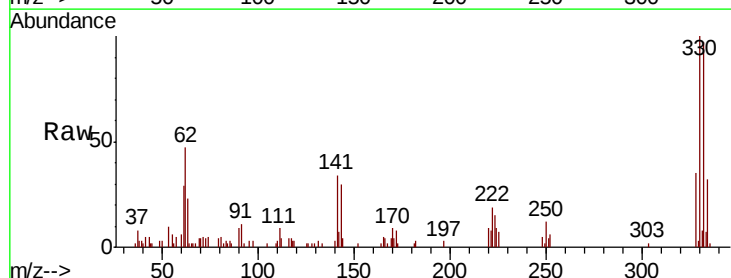
Tgt Ion:330 Resp: 23558

Ion Ratio Lower Upper

330 100

332 94.9 77.1 115.7

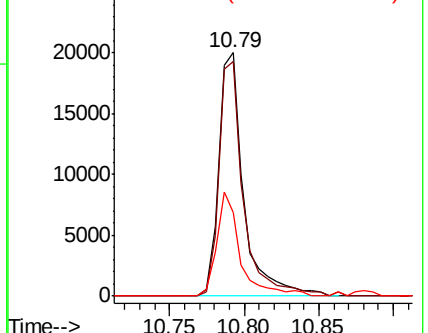
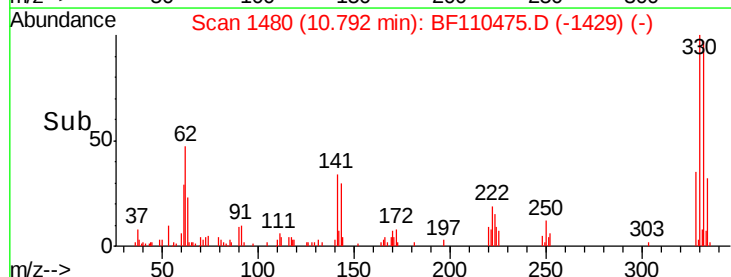
141 40.4 27.0 40.4

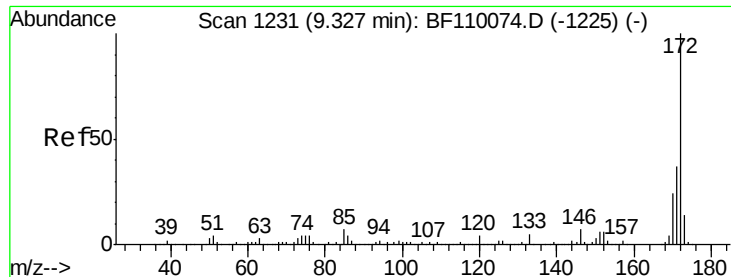


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

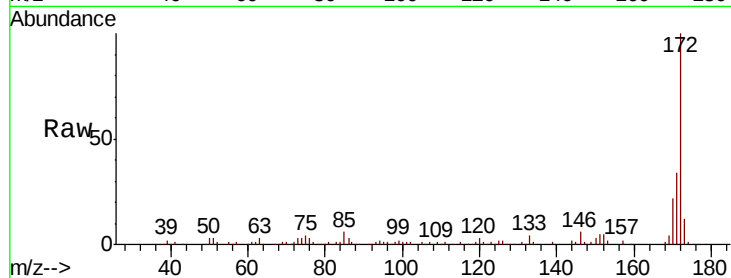




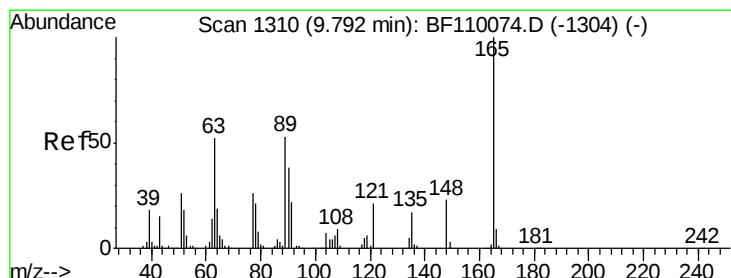
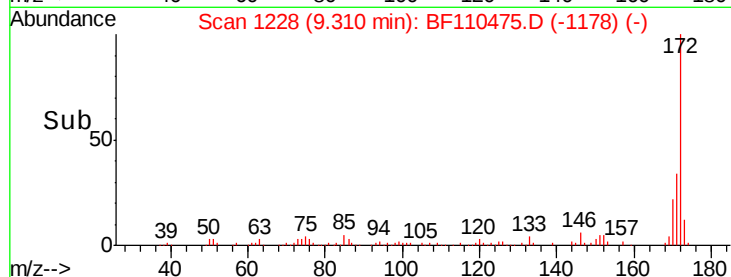
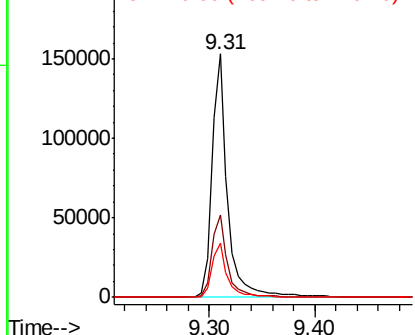
#45
 2-Fluorobiphenyl
 Concen: 14.367 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Instrument :
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 EO-01-110218-C

Tgt Ion:172 Resp: 158245
 Ion Ratio Lower Upper
 172 100
 171 34.0 28.6 43.0
 170 22.1 19.7 29.5

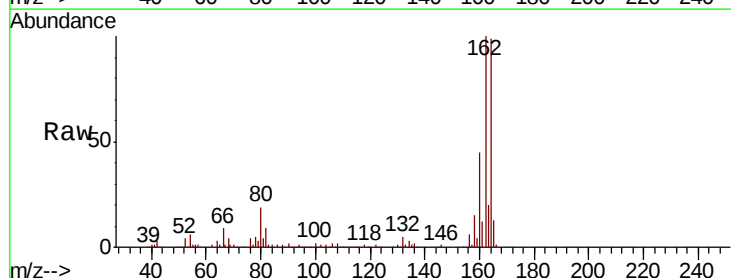


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

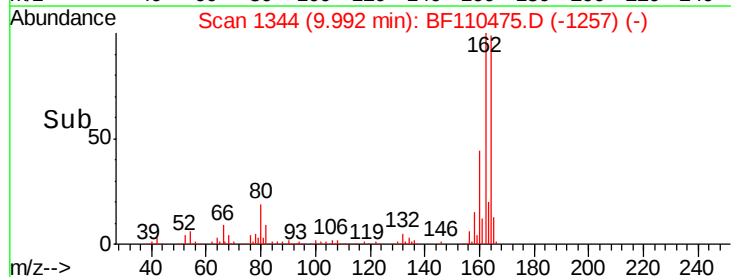
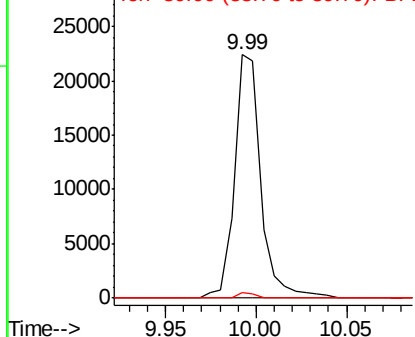


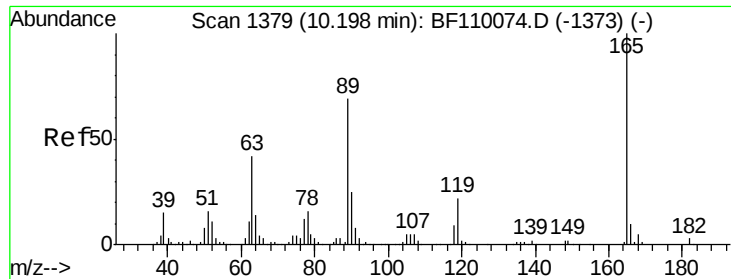
#51
 2,6-Dinitrotoluene
 Concen: 8.221 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.21 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Tgt Ion:165 Resp: 22610
 Ion Ratio Lower Upper
 165 100
 63 0.0 48.9 73.3#
 89 2.1 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: 6.473 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.20 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-C

Tgt Ion:165 Resp: 22611

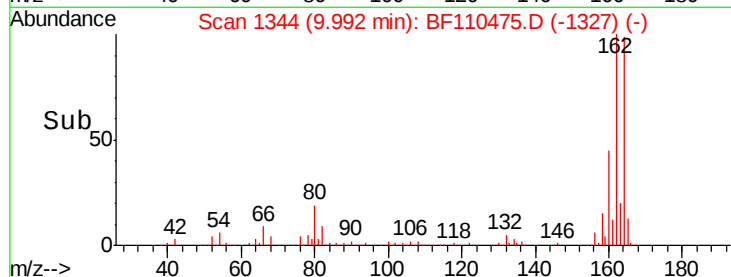
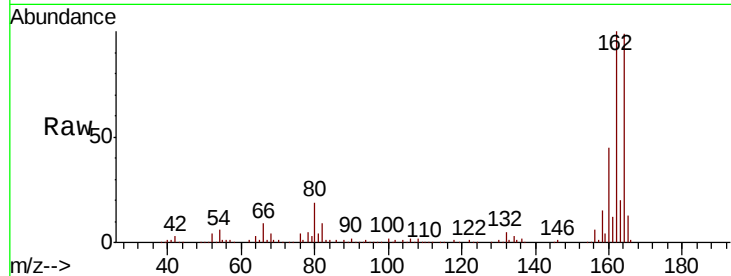
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 2.1 62.2 93.4#

182 0.0 2.1 3.1#

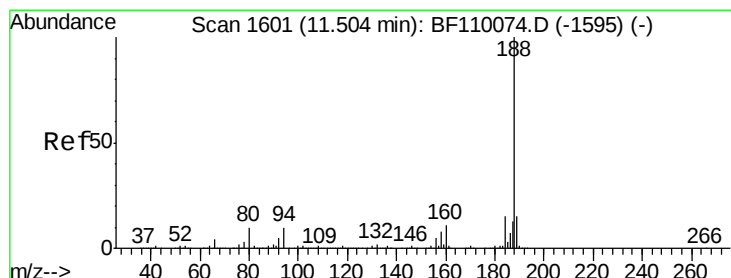
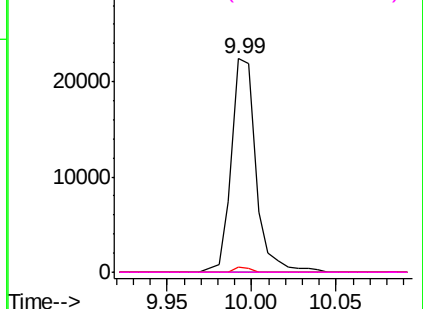


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF110475.D

Acq: 5 Nov 2018 19:51

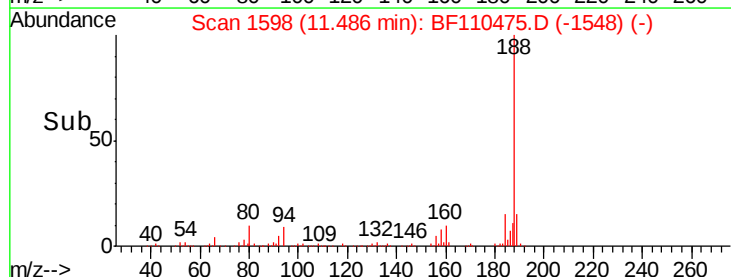
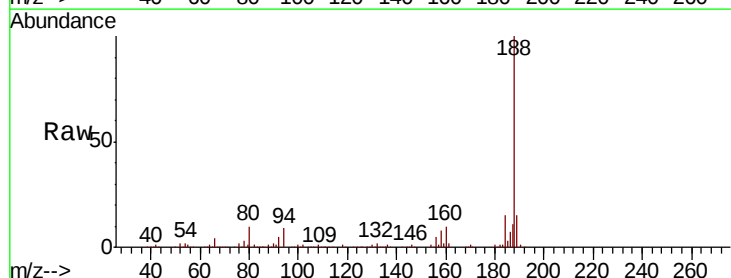
Tgt Ion:188 Resp: 259355

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

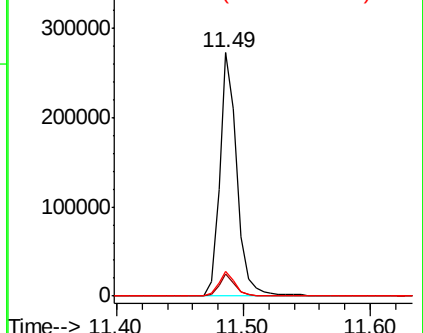
80 10.3 7.9 11.9

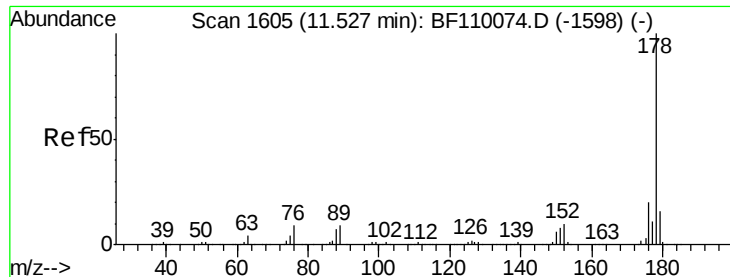


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

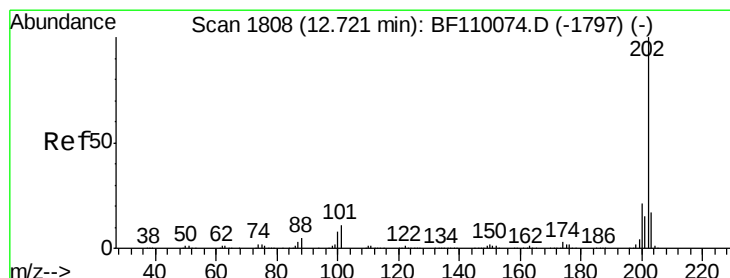
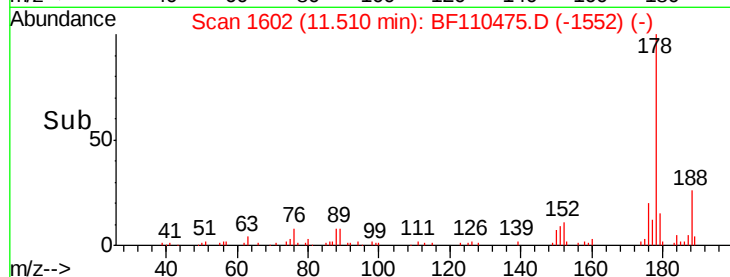
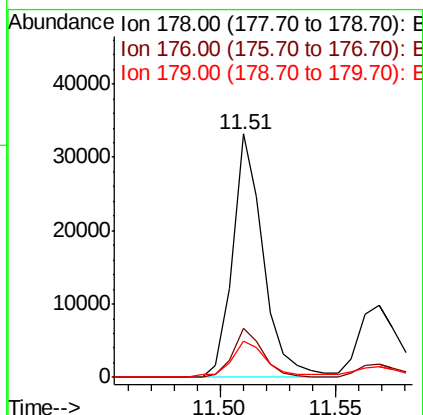
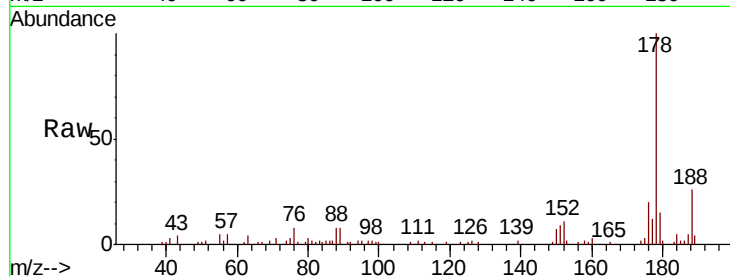




#71
Phenanthrene
Concen: 2.276 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

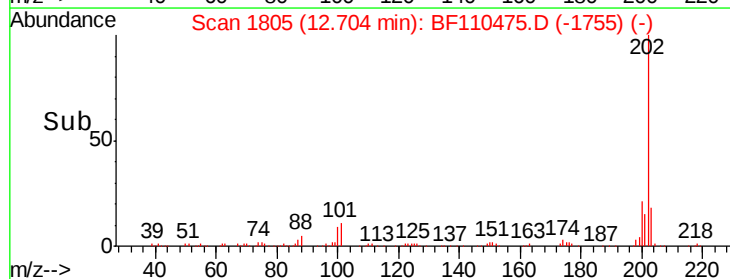
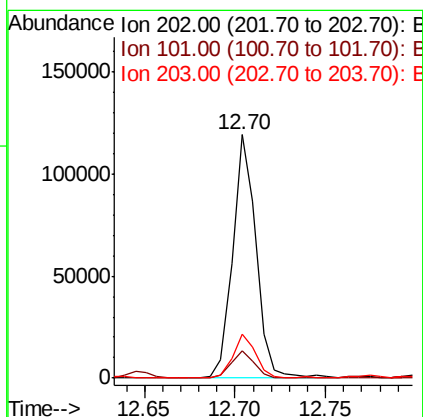
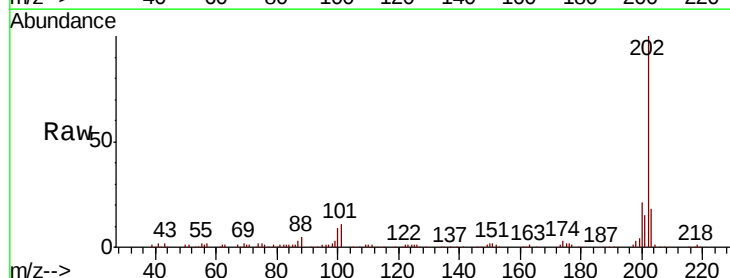
Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

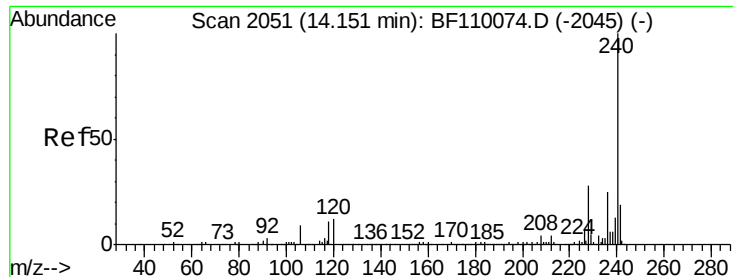
Tgt Ion:178 Resp: 30891
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.1 12.5 18.7



#75
Fluoranthene
Concen: 7.806 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Tgt Ion:202 Resp: 107503
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 18.1 0.0 37.7

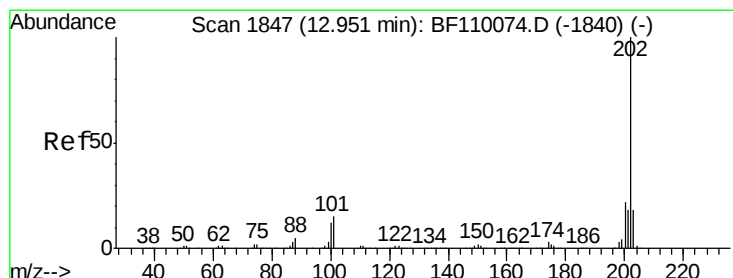
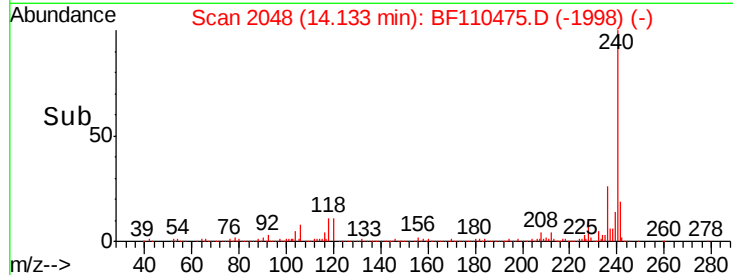
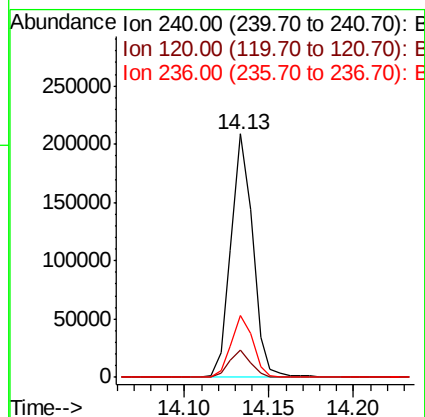
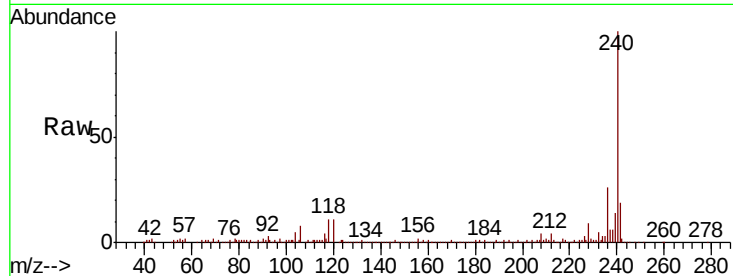




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

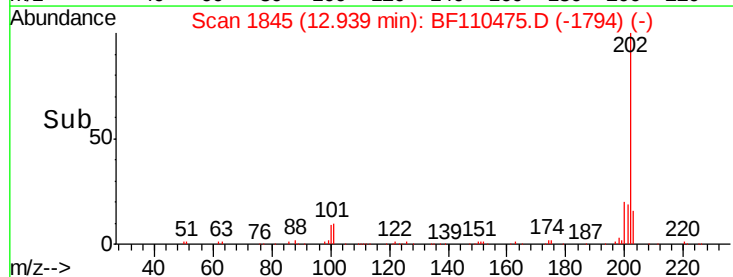
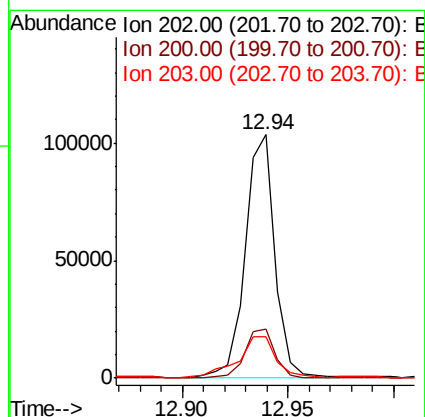
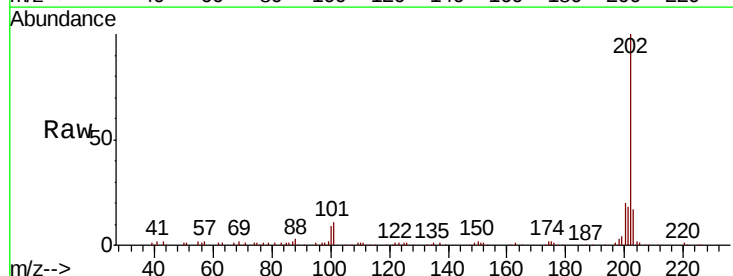
Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

Tgt Ion:240 Resp: 189290
Ion Ratio Lower Upper
240 100
120 11.1 8.3 12.5
236 25.5 21.2 31.8



#78
Pyrene
Concen: 7.431 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Tgt Ion:202 Resp: 100840
Ion Ratio Lower Upper
202 100
200 20.2 17.8 26.6
203 16.8 14.2 21.4





#79

Terphenyl-d14

Concen: 11.161 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-C

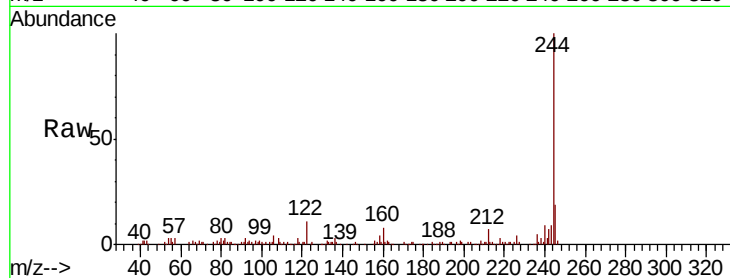
Tgt Ion:244 Resp: 101589

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

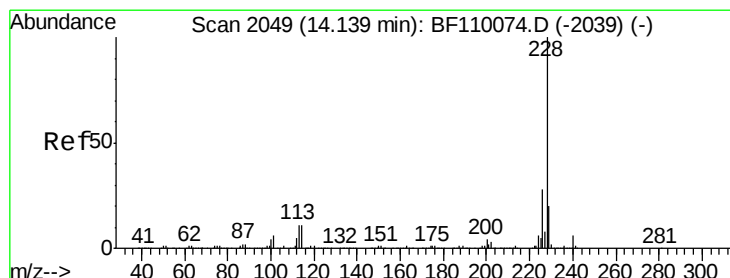
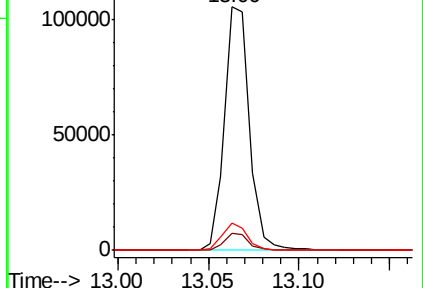
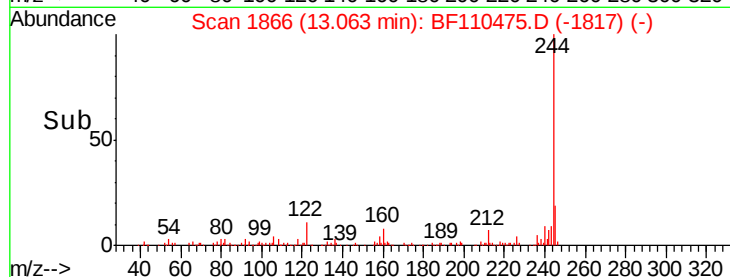
122 11.3 8.7 13.1



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: 5.417 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

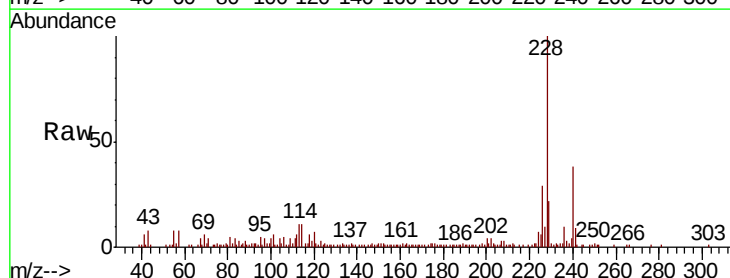
Tgt Ion:228 Resp: 60812

Ion Ratio Lower Upper

228 100

226 29.0 22.1 33.1

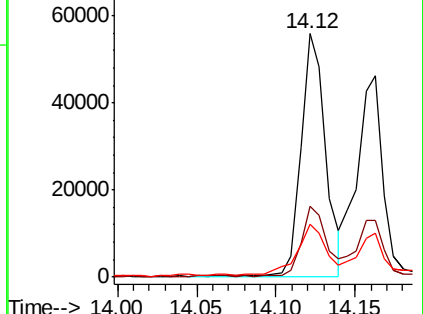
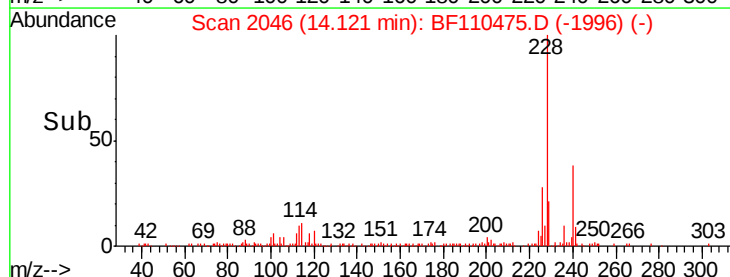
229 21.6 15.6 23.4

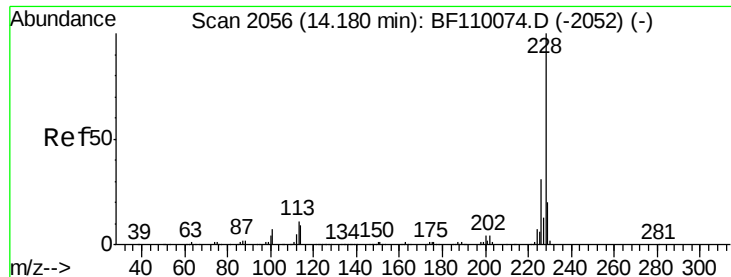


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.093 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-C

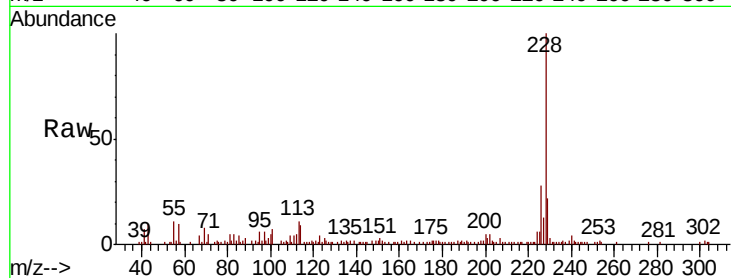
Tgt Ion:228 Resp: 54298

Ion Ratio Lower Upper

228 100

226 28.2 24.7 37.1

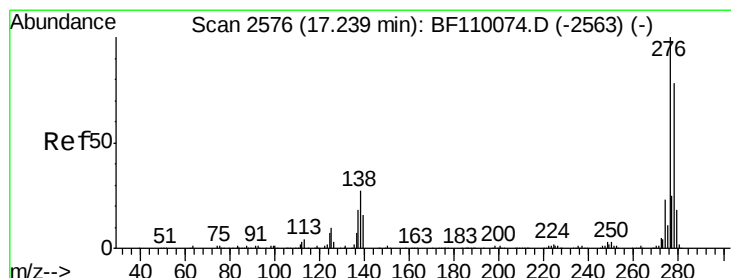
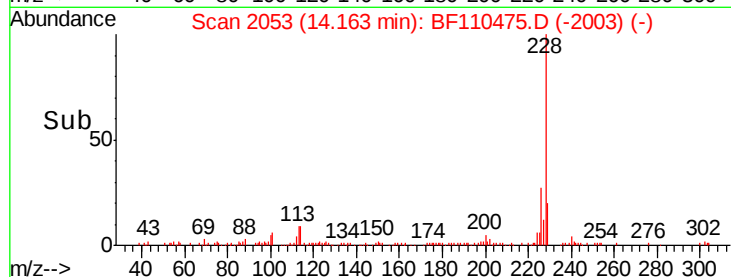
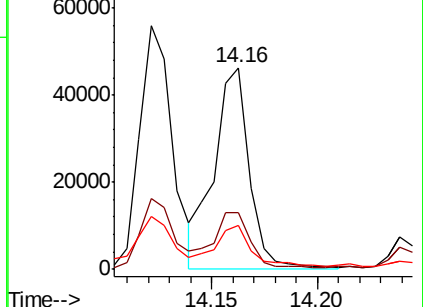
229 21.6 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.227 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

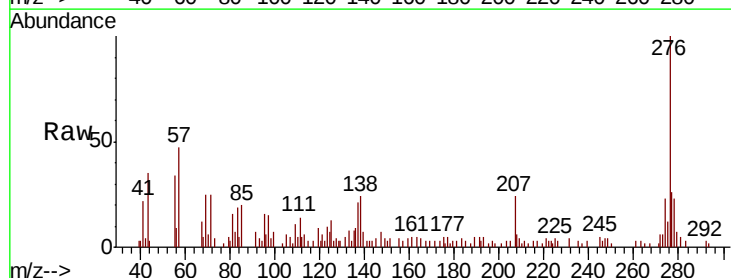
Tgt Ion:276 Resp: 28541

Ion Ratio Lower Upper

276 100

138 20.0 18.5 27.7

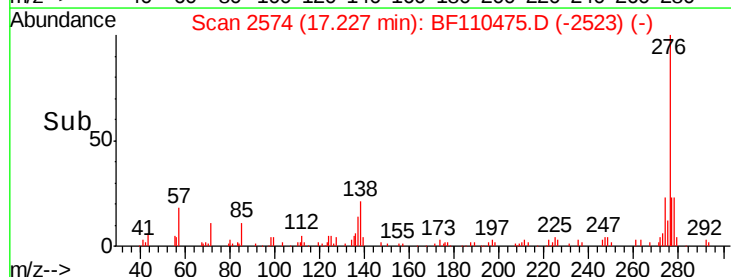
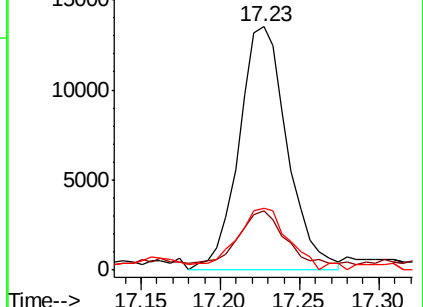
277 23.5 20.0 30.0

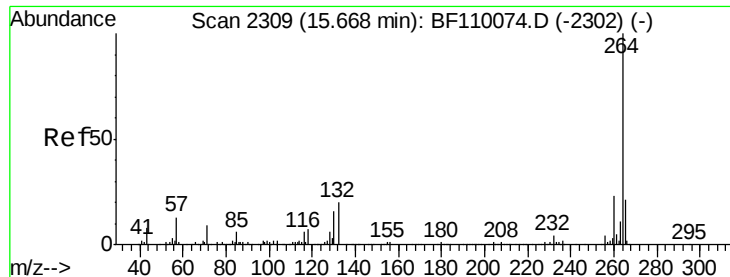


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



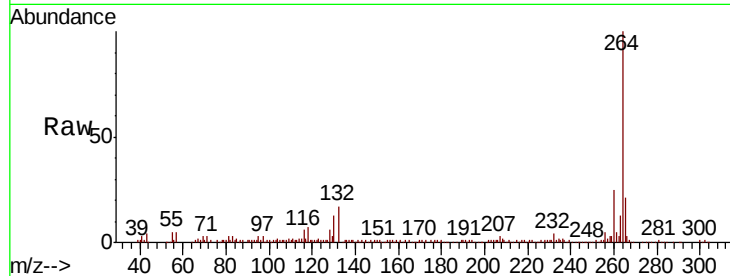


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

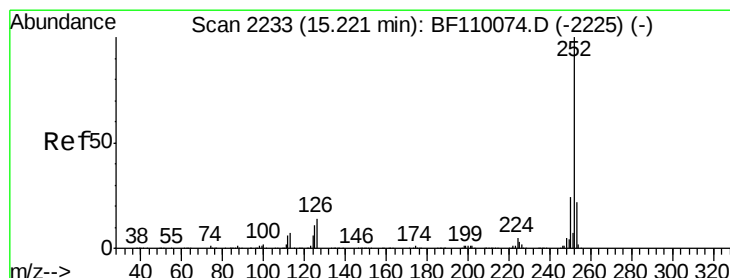
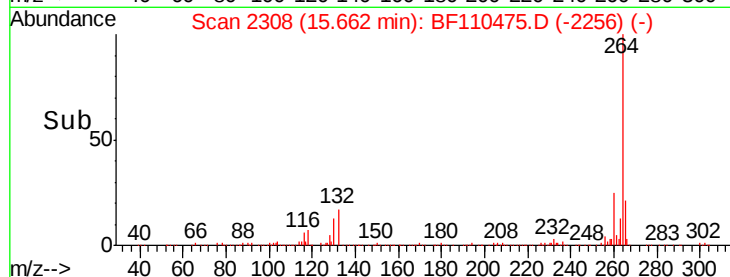
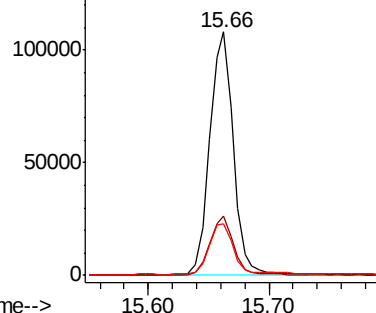
Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

Tgt Ion:264 Resp: 147628

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	21.2	16.7	25.1



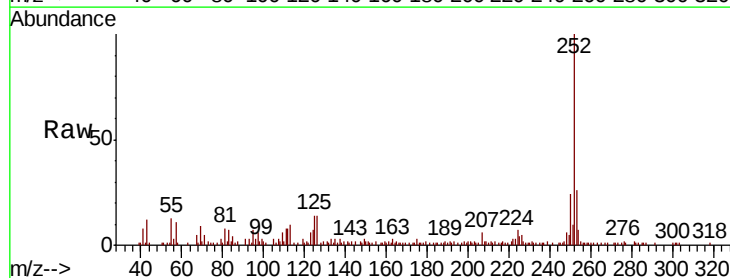
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



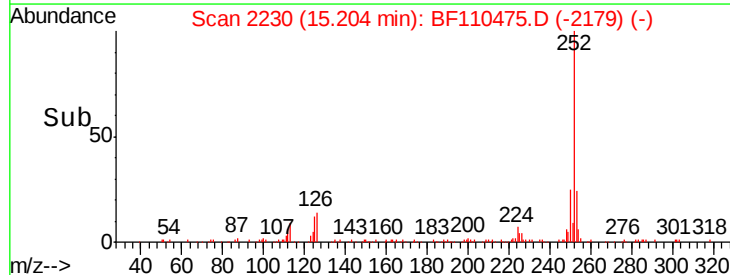
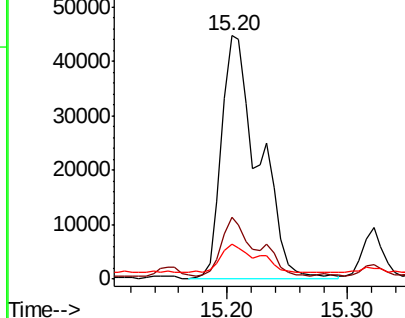
#88
Benzo(b)fluoranthene
Concen: 11.244 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

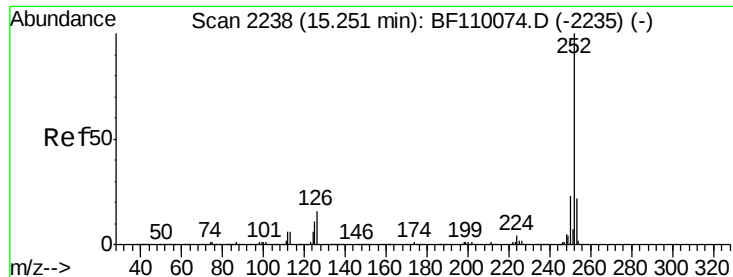
Tgt Ion:252 Resp: 95853

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	14.5	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: 11.437 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-C

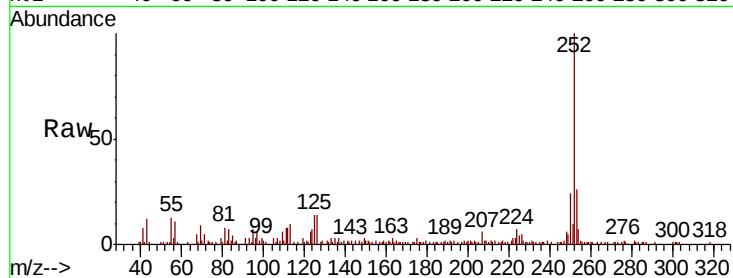
Tgt Ion:252 Resp: 95853

Ion Ratio Lower Upper

252 100

253 25.7 17.2 25.8

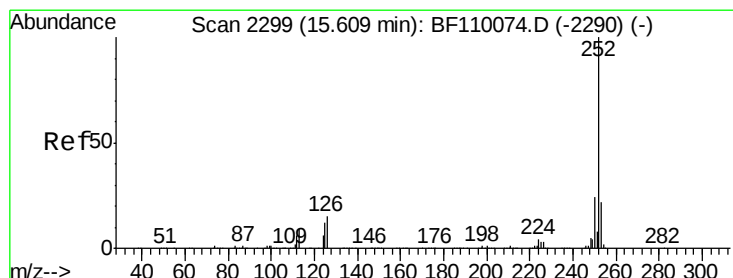
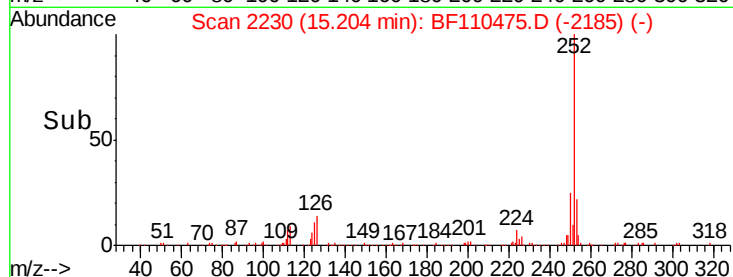
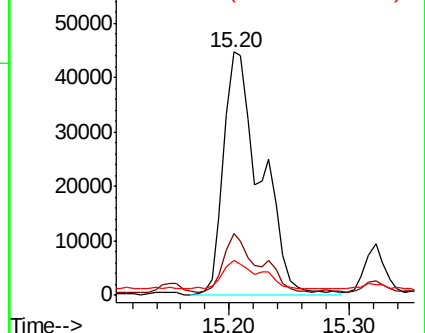
125 14.5 7.4 11.0#



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: 6.011 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

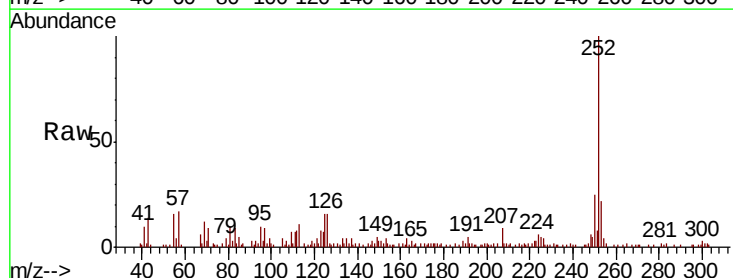
Tgt Ion:252 Resp: 47153

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

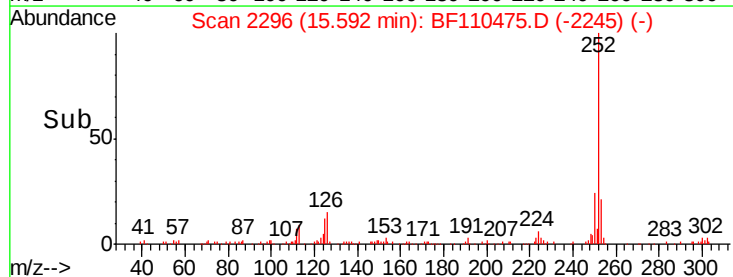
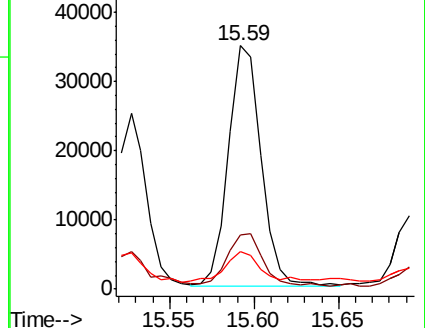
125 15.7 9.0 13.6#

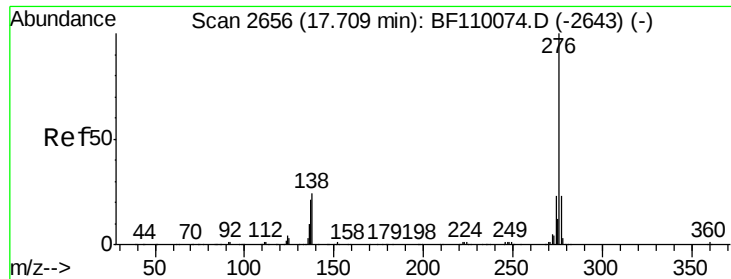


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 4.062 ng

RT: 17.71 min Scan# 2656

Delta R.T. 0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-C

Tgt Ion: 276 Resp: 27092

Ion Ratio Lower Upper

276 100

277 25.5 18.8 28.2

138 23.1 16.0 24.0

