

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
 Data File : BF109476.D
 Acq On : 1 Oct 2018 16:54
 Operator : JU/SJ
 Sample : J4780-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092818

Quant Time: Oct 01 18:28:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	119177	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	445134	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	184167	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	318214	20.00	ng	0.00
75) Chrysene-d12	13.84	240	261326	20.00	ng	0.00
86) Perylene-d12	15.25	264	186697	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	615533	85.07	ng	0.01
7) Phenol-d6	6.36	99	762771	82.61	ng	0.00
23) Nitrobenzene-d5	7.27	82	475962	63.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	154287	84.98	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	790013	64.70	ng	-0.01
78) Terphenyl-d14	12.80	244	635312	59.66	ng	0.00

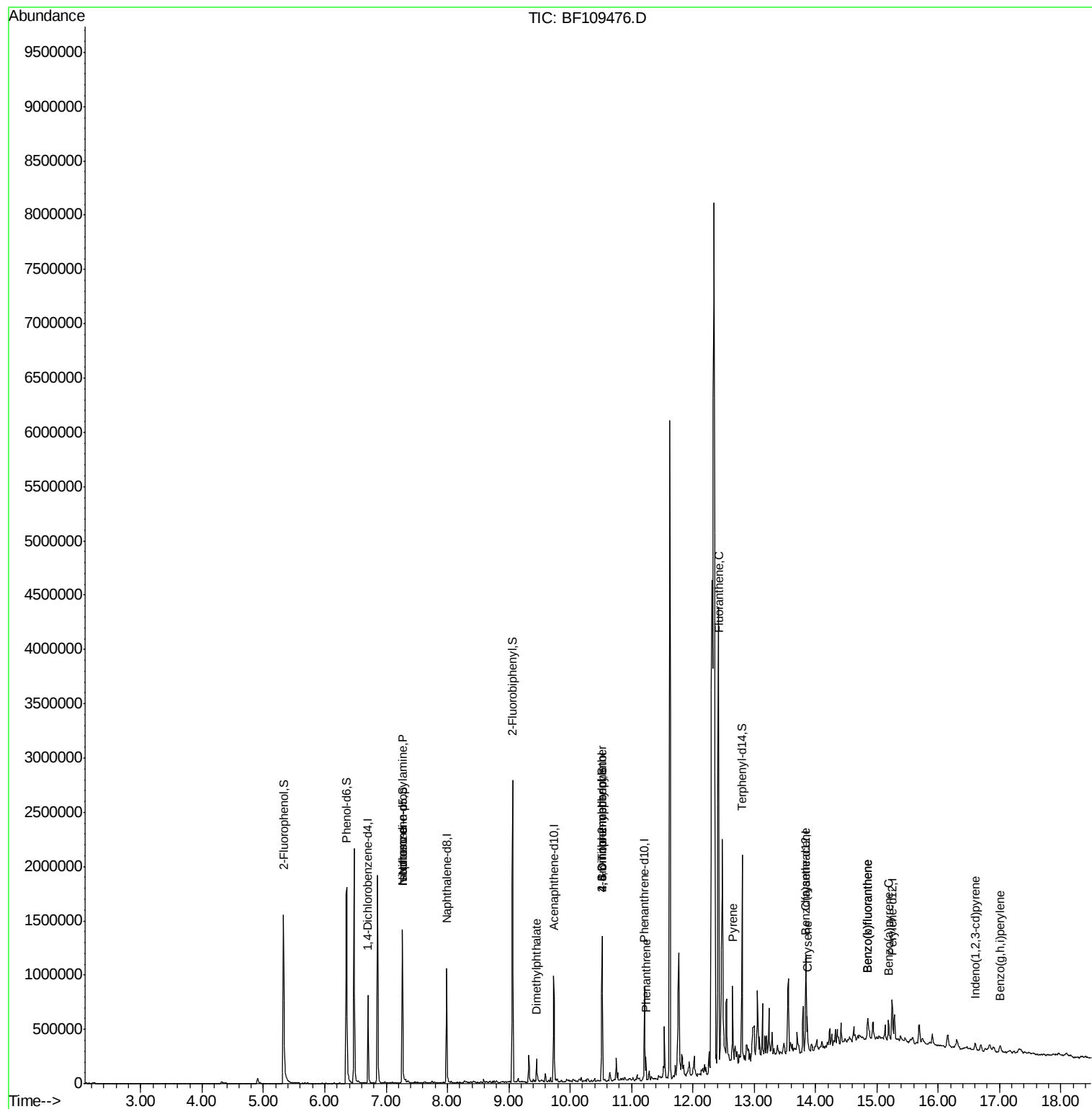
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	66801	11.042	ng	# 77
25) Isophorone	7.27	82	456714	33.635	ng	# 64
49) Dimethylphthalate	9.46	163	79017	5.899	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.52	198	140	6.615	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9798	2.773	ng	# 1
70) Phenanthrene	11.24	178	79469	5.002	ng	99
74) Fluoranthene	12.43	202	146633	8.636	ng	96
77) Pyrene	12.65	202	267406	14.278	ng	99
80) Benzo(a)anthracene	13.83	228	130227	8.273	ng	93
82) Chrysene	13.87	228	139835	8.963	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	41764	3.303	ng	93
87) Benzo(b)fluoranthene	14.85	252	130698	12.740	ng	# 92
88) Benzo(k)fluoranthene	14.85	252	130698	13.426	ng	95
89) Benzo(a)pyrene	15.19	252	84339	9.124	ng	97
91) Benzo(a,h,i)perylene	17.02	276	49009	6.575	ng	# 90

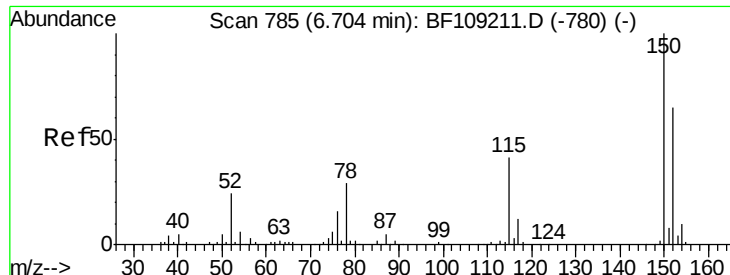
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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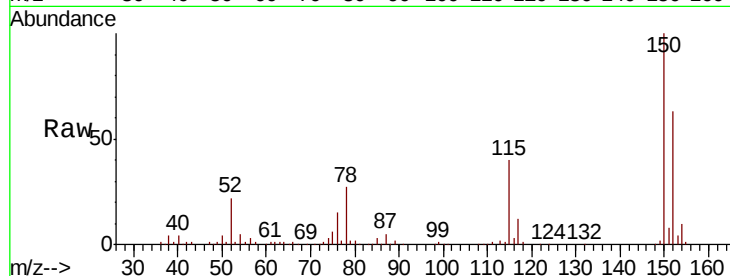


#1

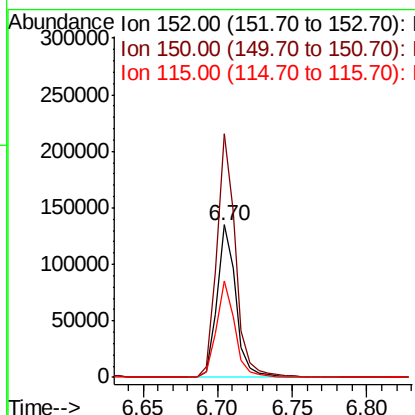
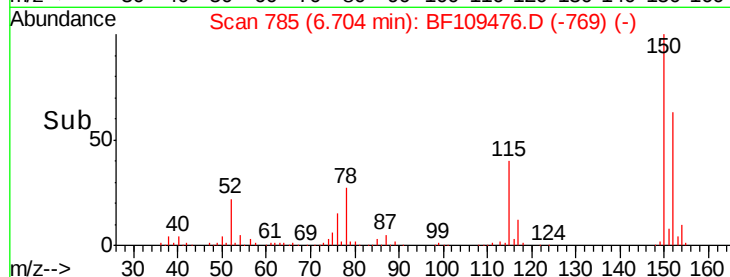
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion:152 Resp: 119177
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 63.5 50.1 75.1



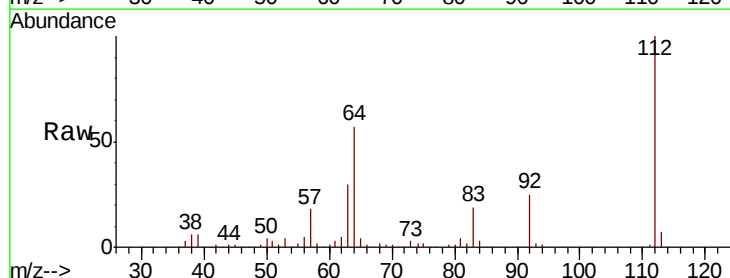
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



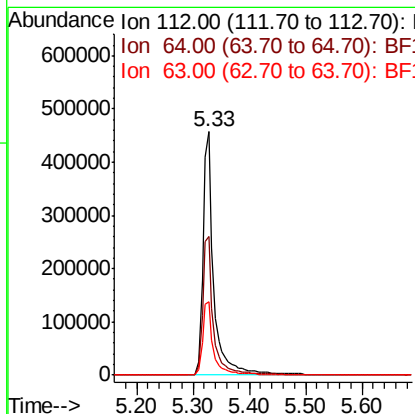
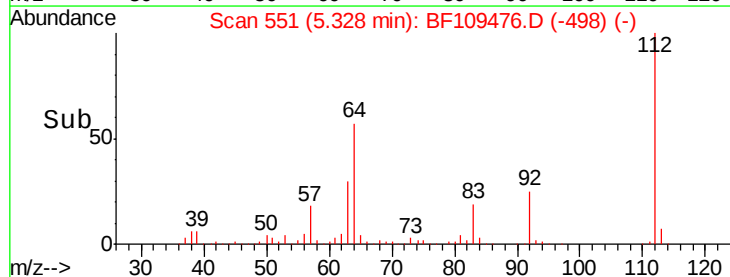
#5

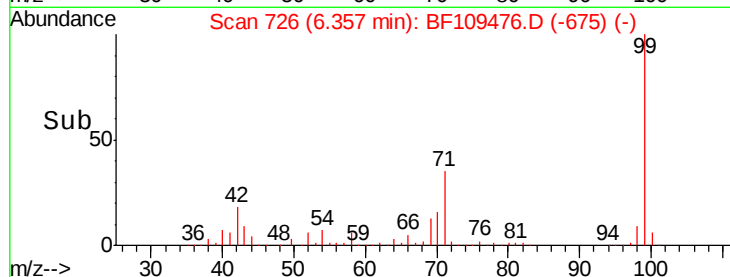
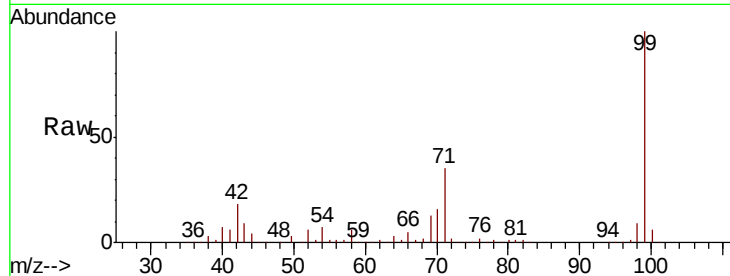
2-Fluorophenol
Concen: 85.069 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion:112 Resp: 615533
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 30.1 23.7 35.5



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





#7

Phenol-d6

Concen: 82.614 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

TR-04-092818

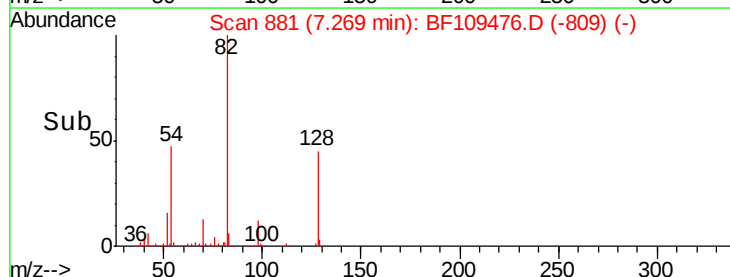
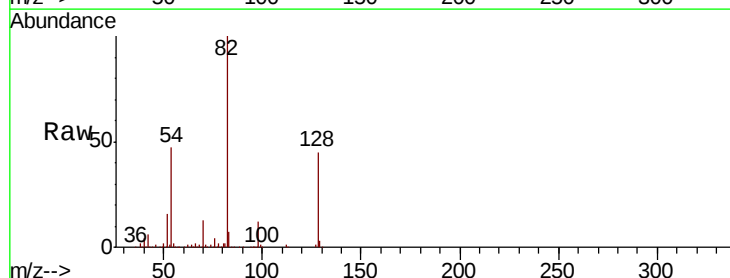
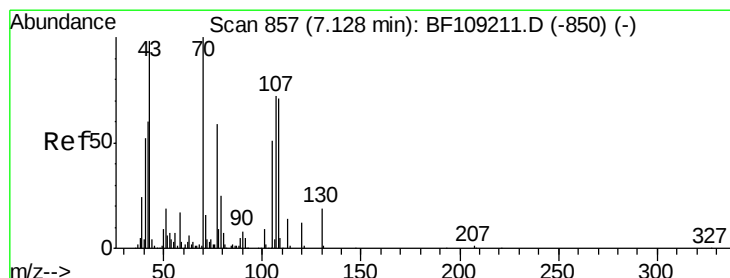
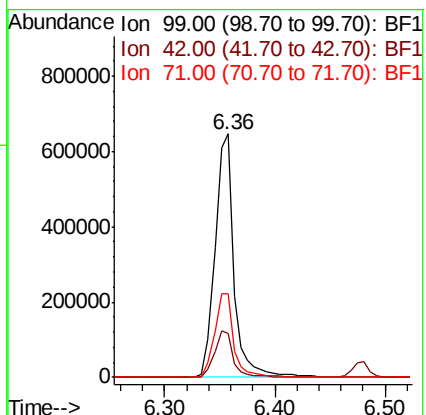
Tot Ion: 99 Resp: 762771

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 34.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.042 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Tgt Ion: 70 Resp: 66801

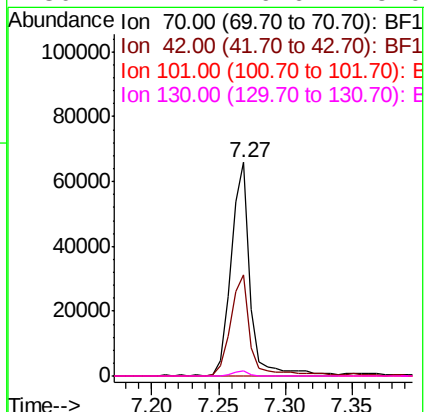
Ion Ratio Lower Upper

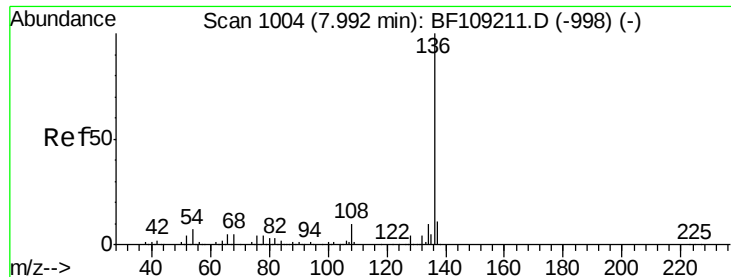
70 100

42 47.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

TR-04-092818

Tot Ion:136 Resp: 445134

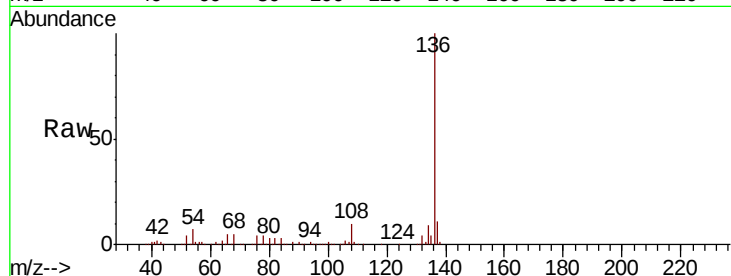
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.8 6.6 9.8

68 5.3 5.0 7.4

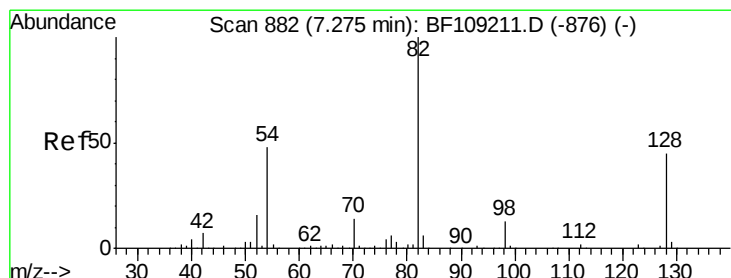
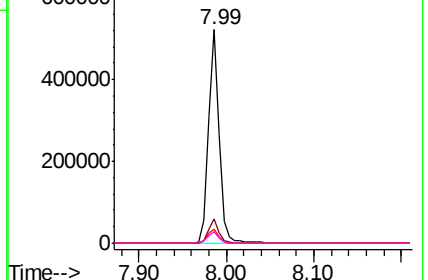
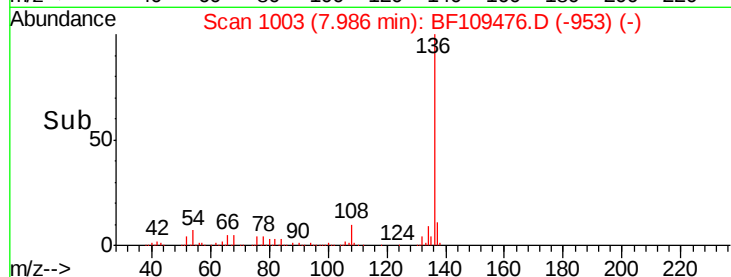


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.120 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

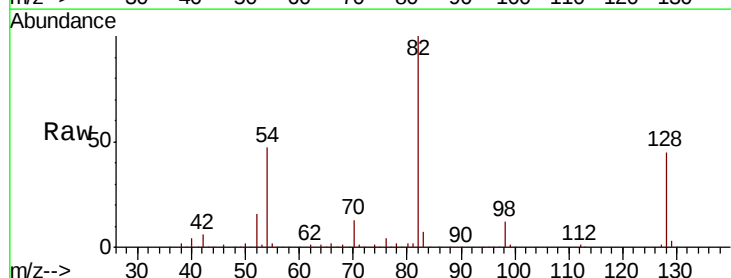
Tgt Ion: 82 Resp: 475962

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

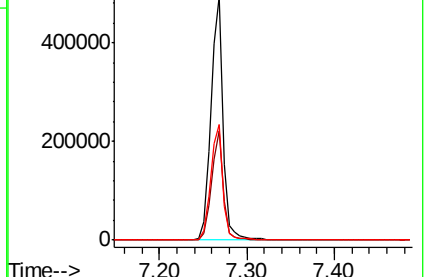
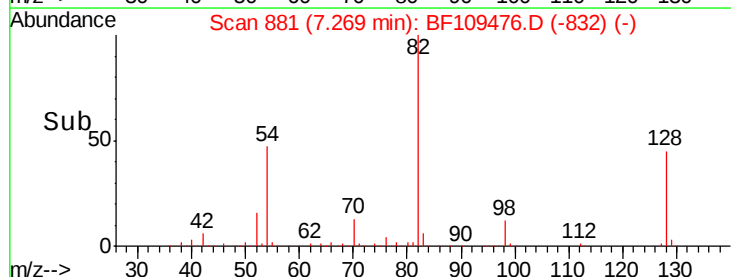
54 47.2 41.4 62.2

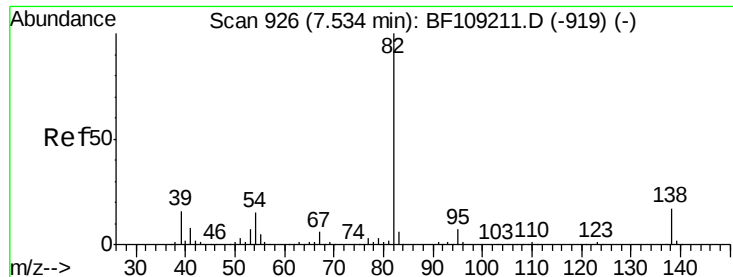


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.635 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

TR-04-092818

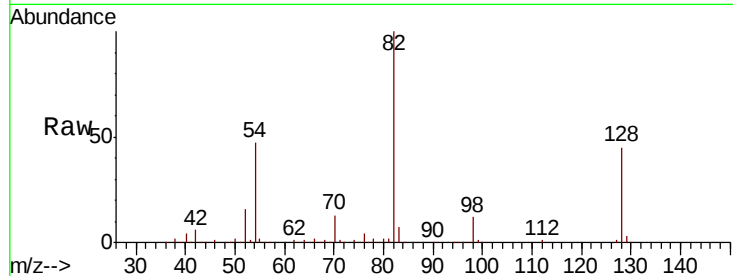
Tot Ion: 82 Resp: 456714

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

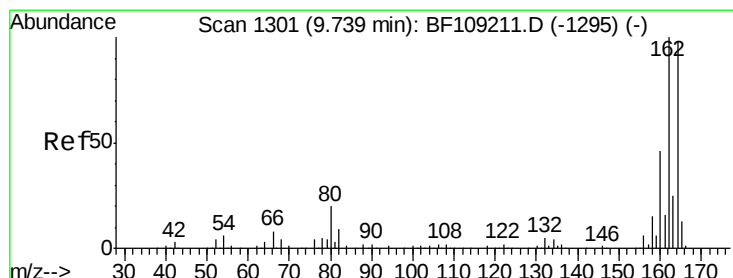
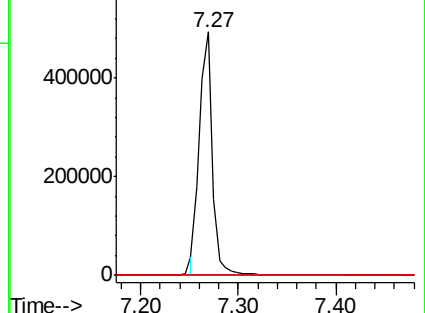
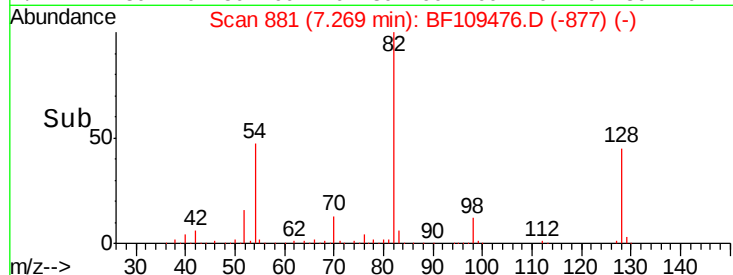
138 0.0 14.9 22.3#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

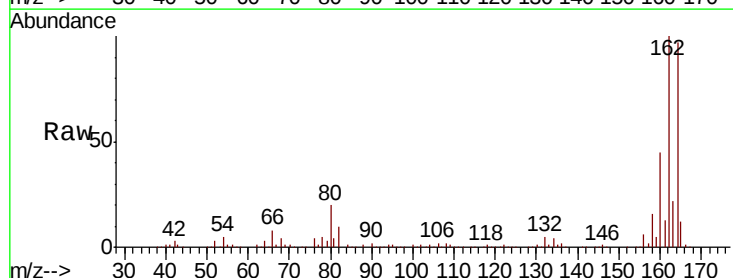
Tgt Ion: 164 Resp: 184167

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

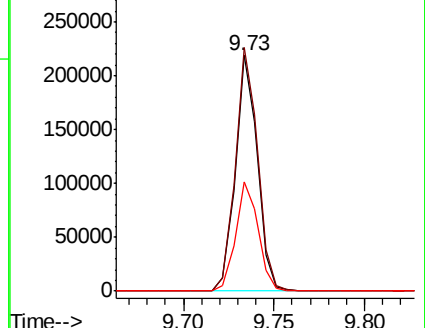
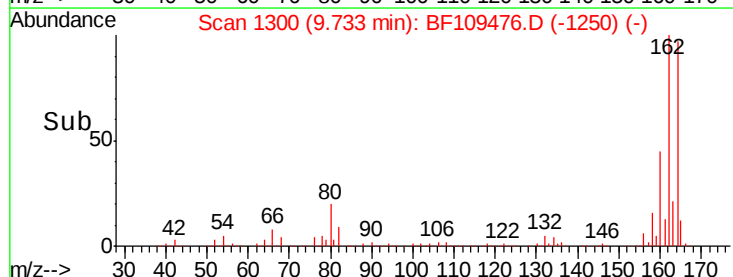
160 46.6 38.3 57.5

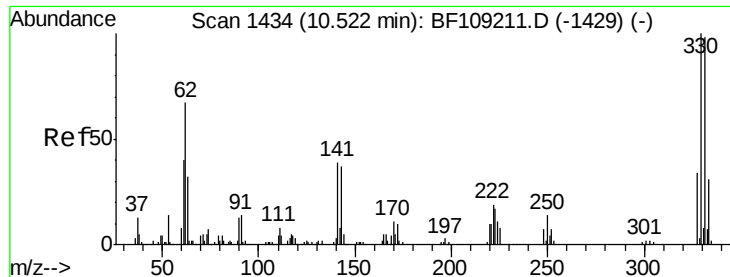


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

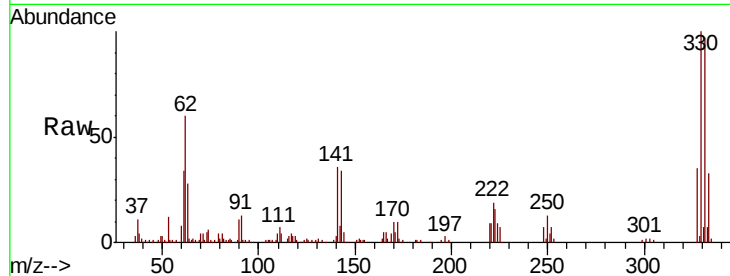




#41
 2,4,6-Tribromophenol
 Concen: 84.983 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092818

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	34.7	29.9	44.9

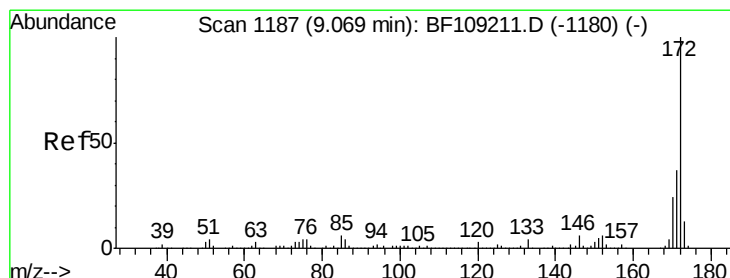
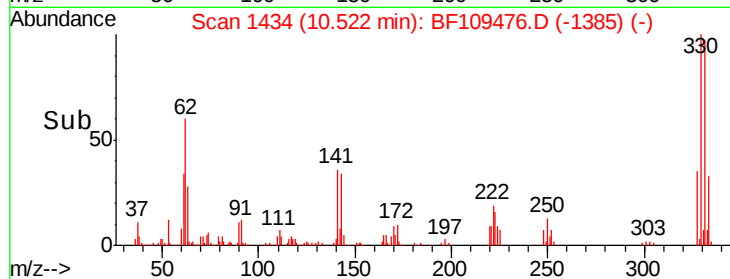
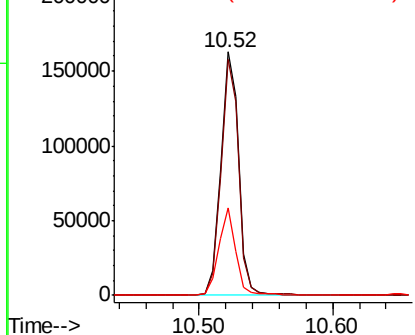


Abundance

Ion 329.80 (329.50 to 330.50): E

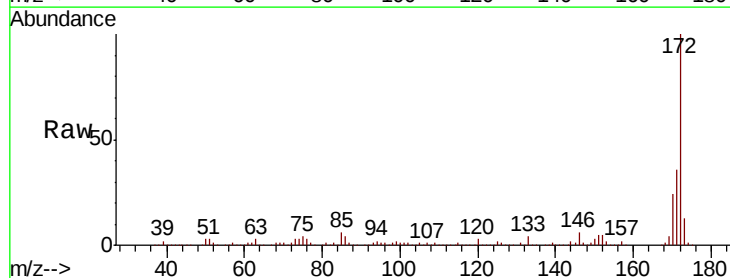
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 64.696 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.4	19.6	29.4

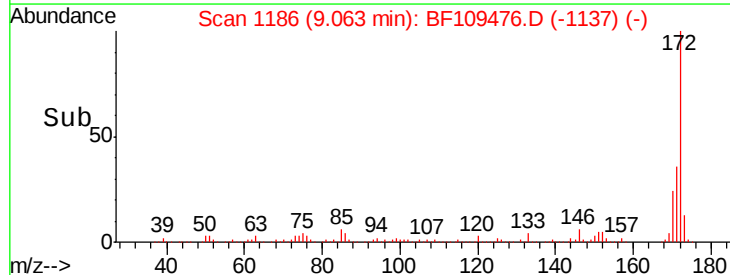
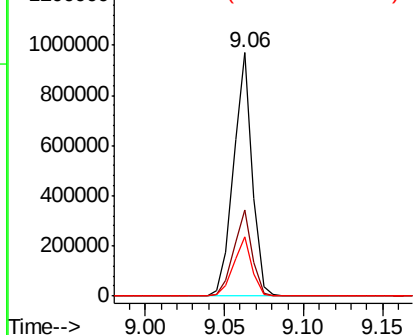


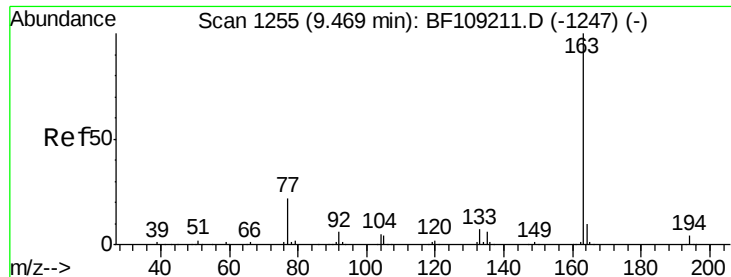
Abundance

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

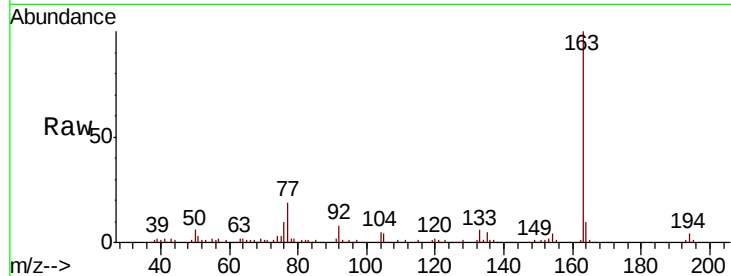




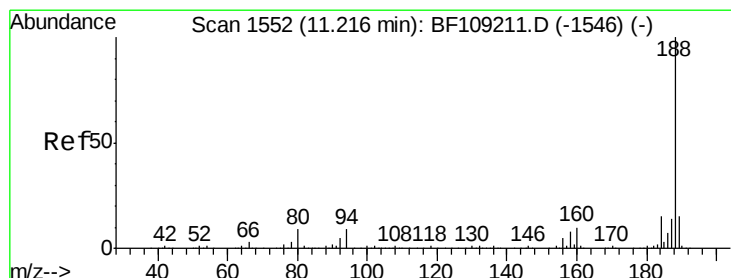
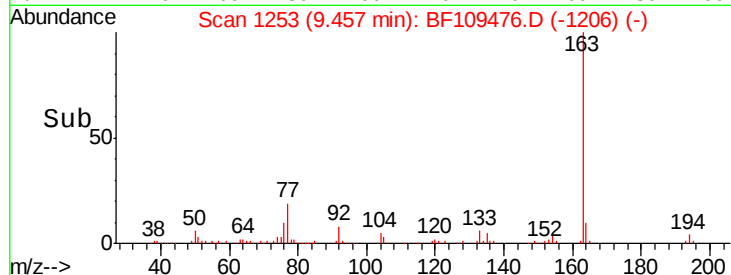
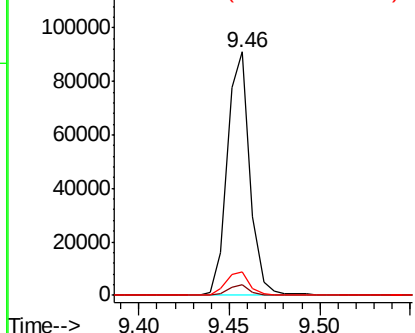
#49
Dimethylphthalate
Concen: 5.899 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion:163 Resp: 79017
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.8 8.2 12.2

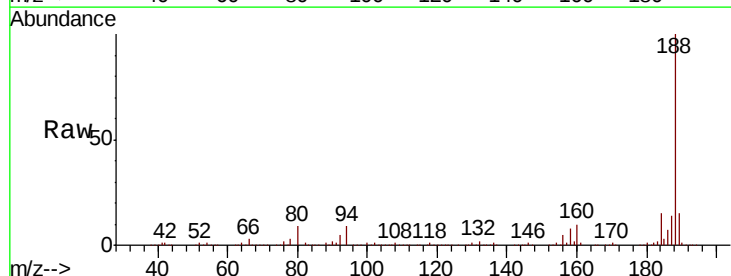


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

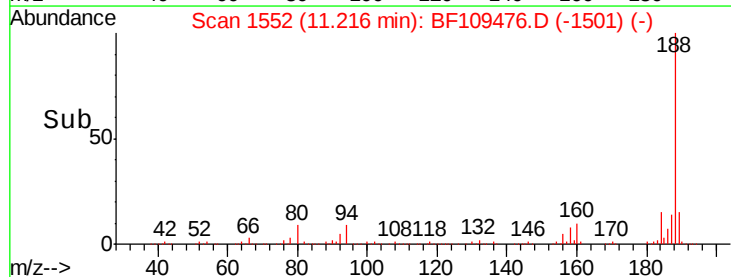
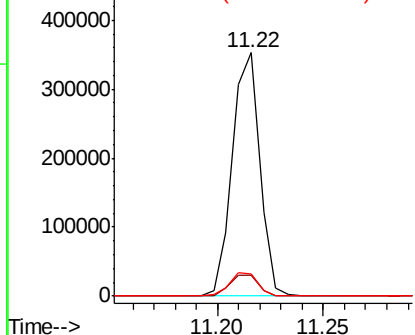


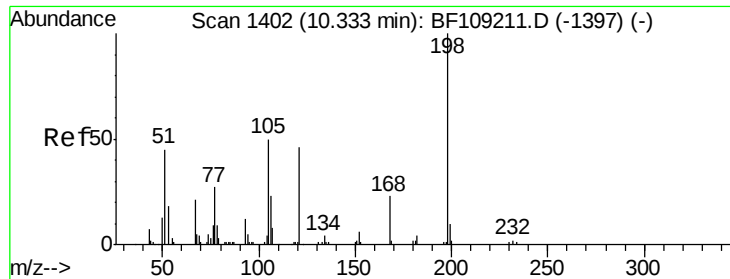
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion:188 Resp: 318214
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 9.4 9.2 13.8



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

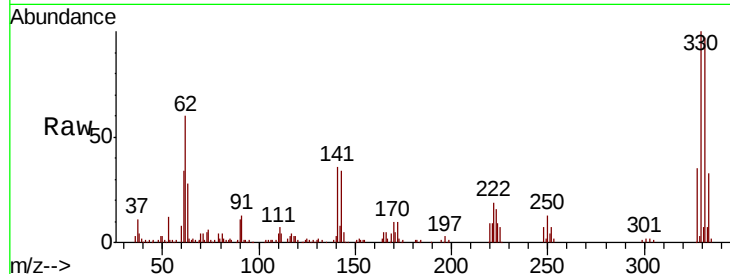




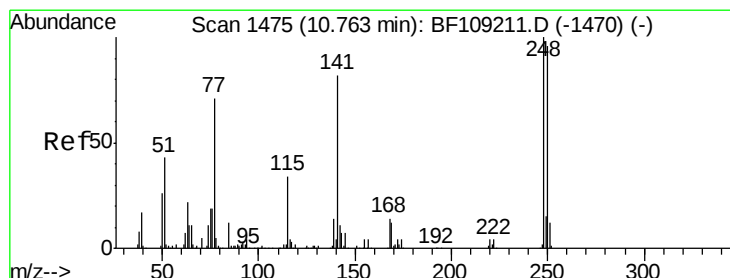
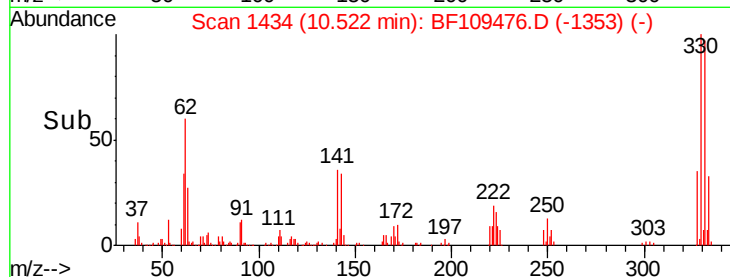
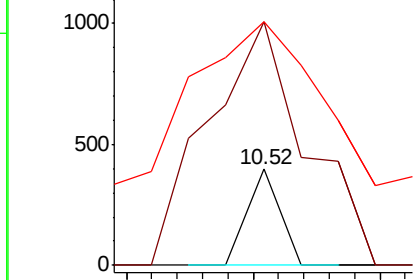
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.615 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092818

Tot Ion:198 Resp: 140
 Ion Ratio Lower Upper
 198 100
 51 253.0 37.7 77.7#
 105 252.8 36.3 76.3#

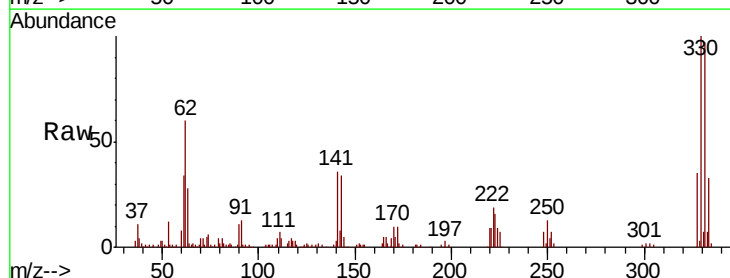


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

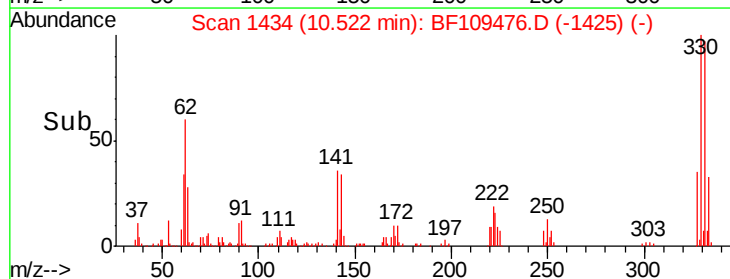
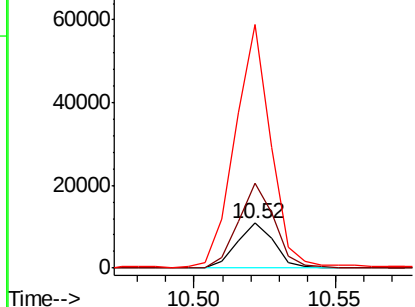


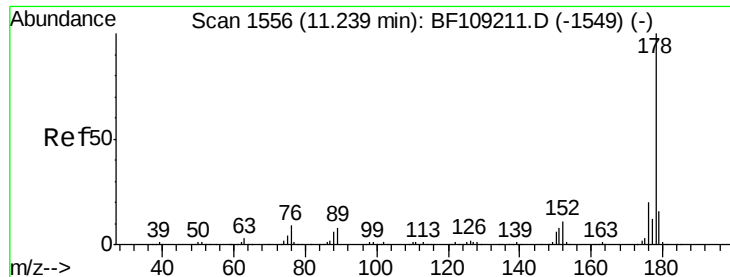
#66
 4-Bromophenyl-phenylether
 Concen: 2.773 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109476.D
 Acq: 1 Oct 2018 16:54

Tgt Ion:248 Resp: 9798
 Ion Ratio Lower Upper
 248 100
 250 191.1 76.9 115.3#
 141 544.4 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: 5.002 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

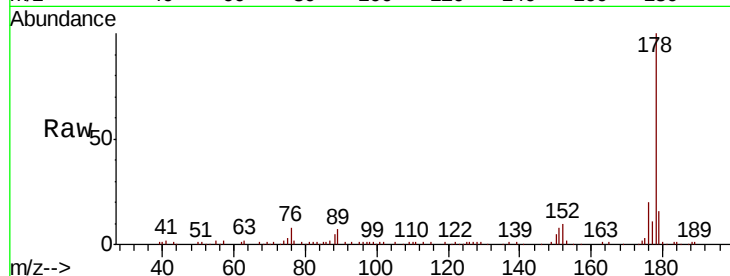
BNA_F

ClientSampleId :

TR-04-092818

Tot Ion:178 Resp: 79469

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.8	13.0	19.6

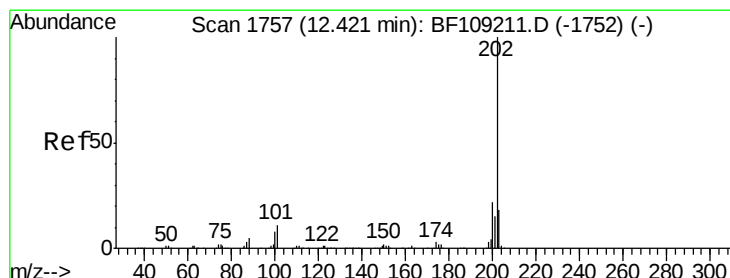
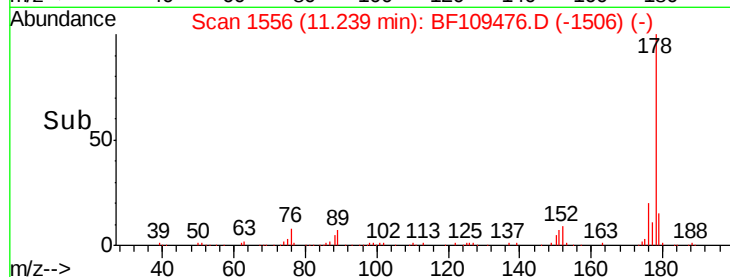
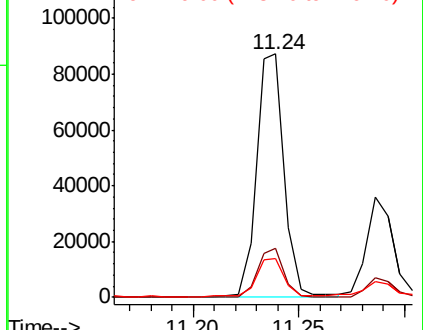


Abundance

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



#74

Fluoranthene

Concen: 8.636 ng

RT: 12.43 min Scan# 1758

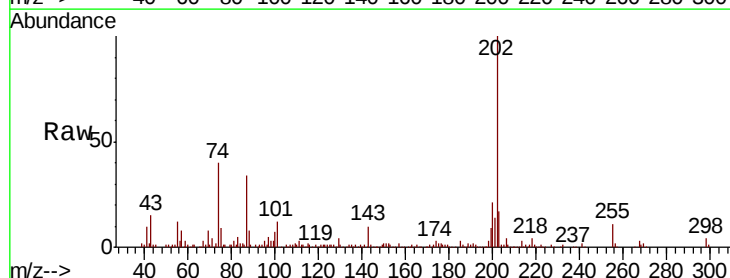
Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Tgt Ion:202 Resp: 146633

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	16.5	0.0	38.1

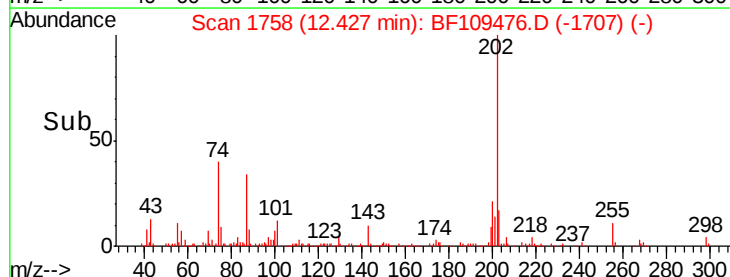
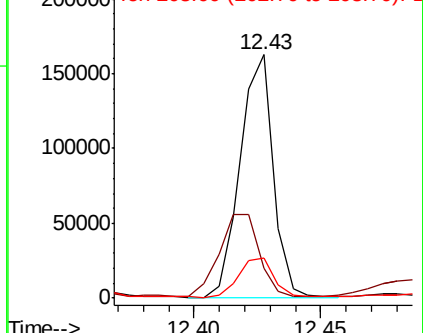


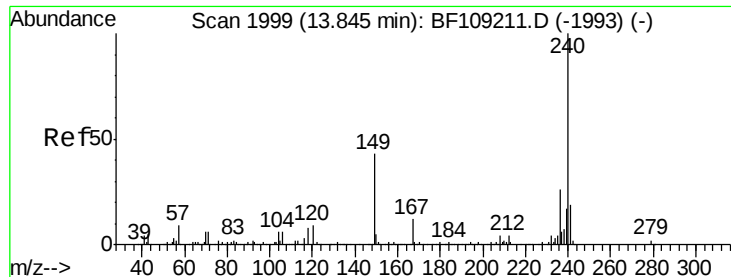
Abundance

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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

TR-04-092818

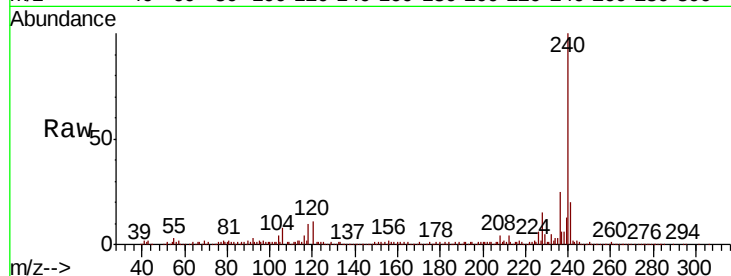
Tot Ion:240 Resp: 261326

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

236 24.9 20.7 31.1

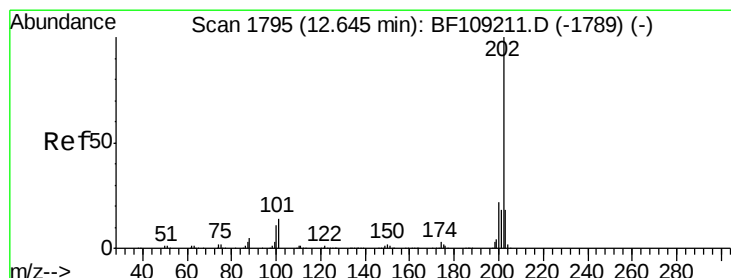
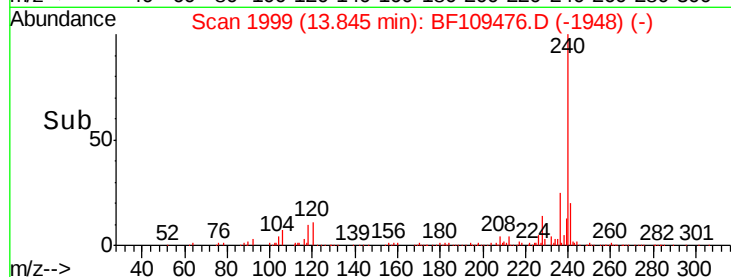
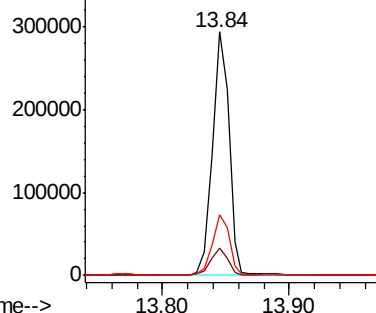


Abundance

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: 14.278 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

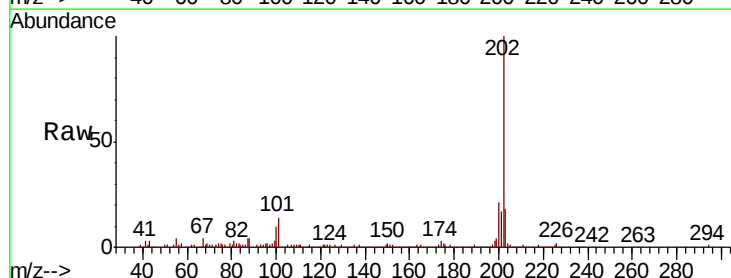
Tgt Ion:202 Resp: 267406

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 18.2 14.3 21.5

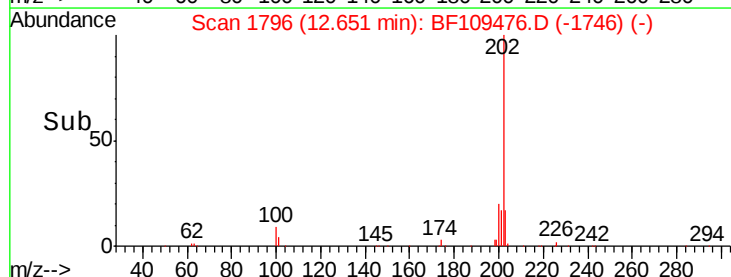
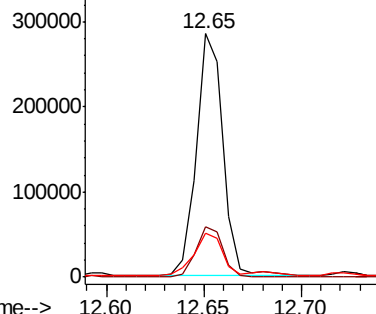


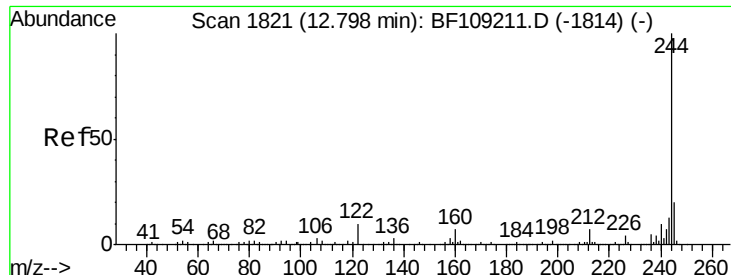
Abundance

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: 59.663 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

TR-04-092818

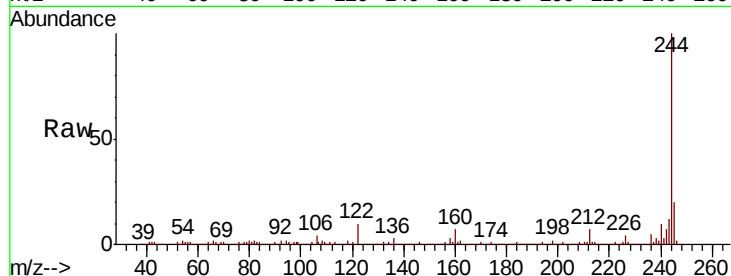
Tot Ion:244 Resp: 635312

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

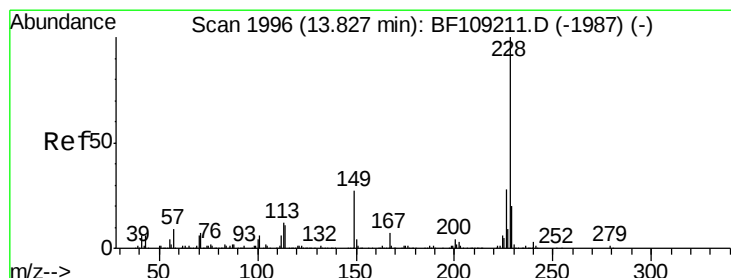
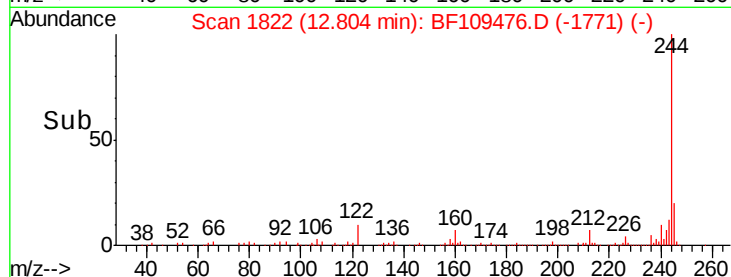
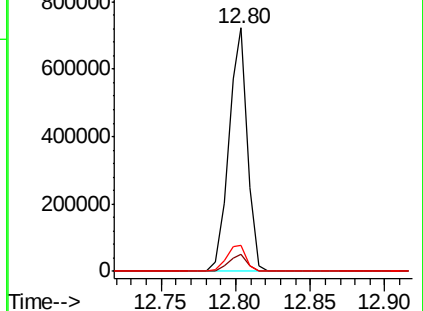
122 10.5 11.0 16.4#



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: 8.273 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

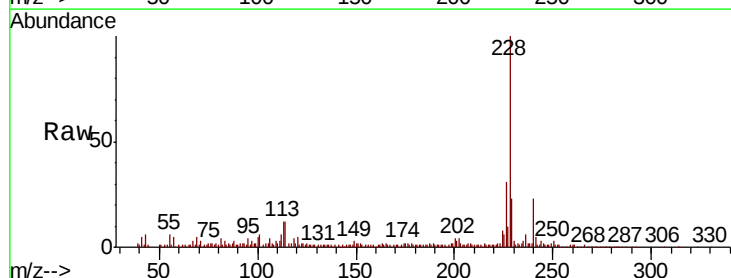
Tgt Ion:228 Resp: 130227

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

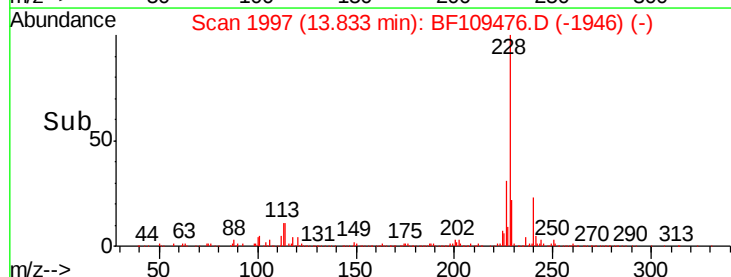
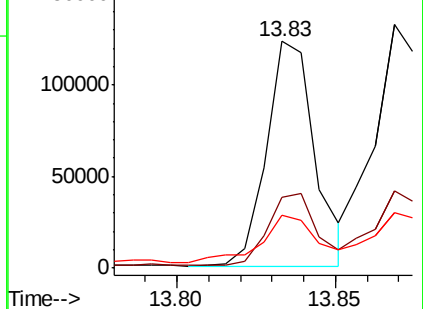
229 23.2 15.8 23.6

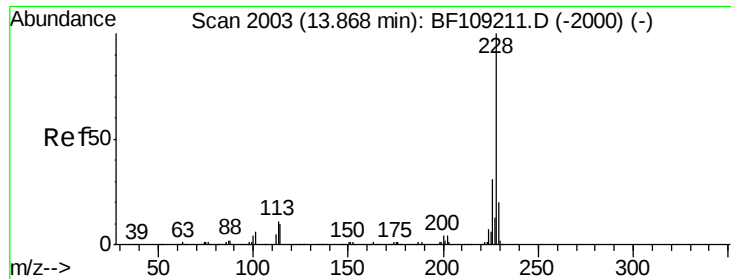


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

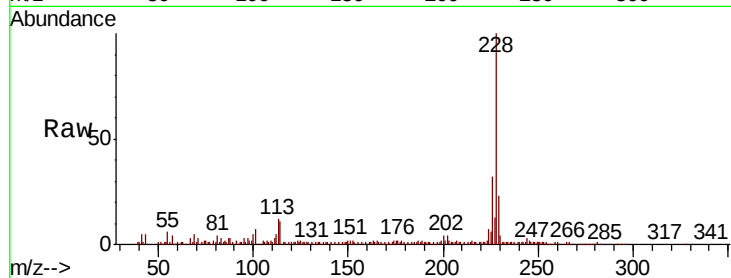




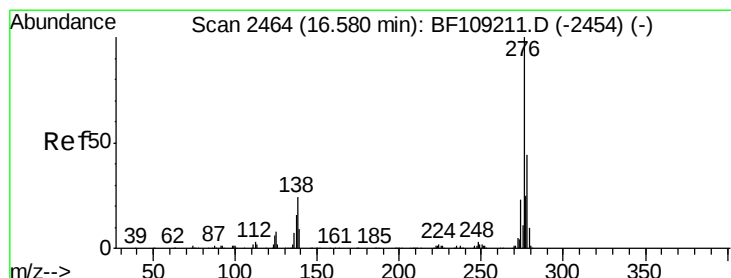
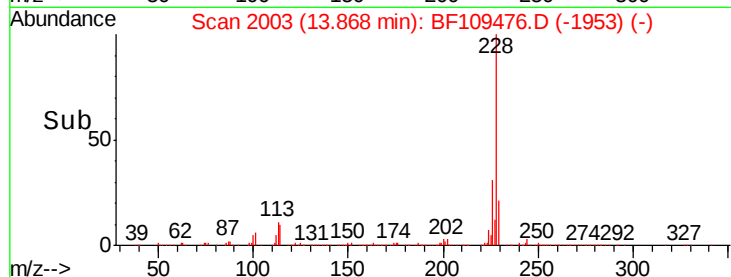
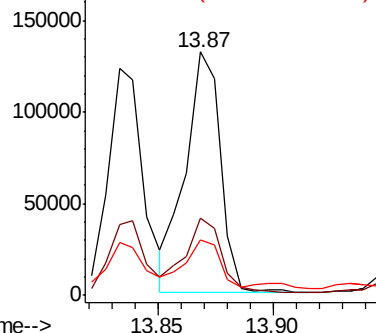
#82
Chrysene
Concen: 8.963 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Instrument :
BNA_F
ClientSampleId :
TR-04-092818

Tot Ion:228 Resp: 139835
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 22.7 16.2 24.4

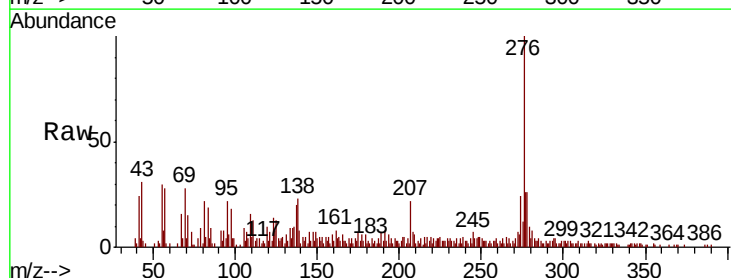


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

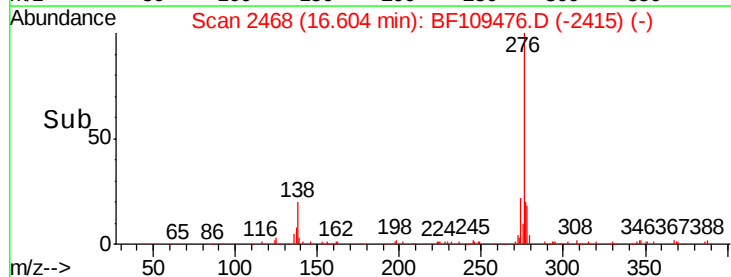
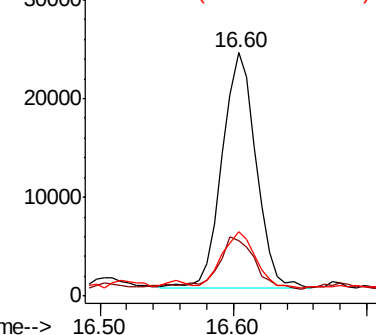


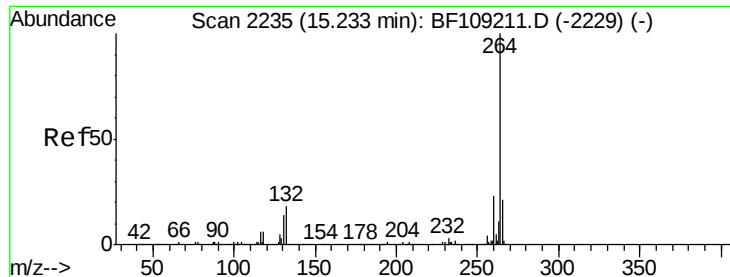
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.303 ng
RT: 16.60 min Scan# 2468
Delta R.T. 0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion:276 Resp: 41764
Ion Ratio Lower Upper
276 100
138 25.8 25.0 37.6
277 23.9 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

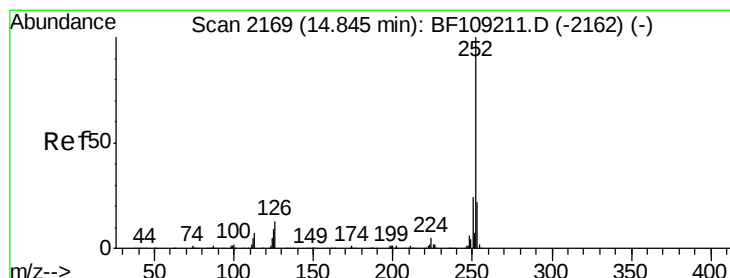
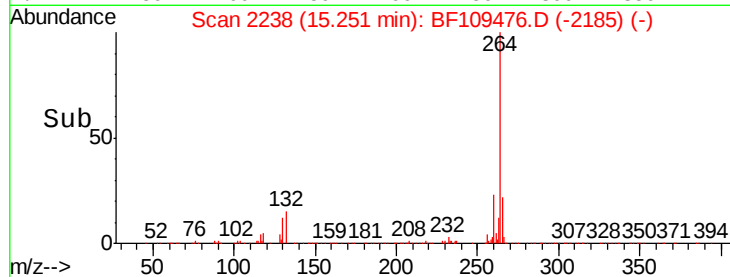
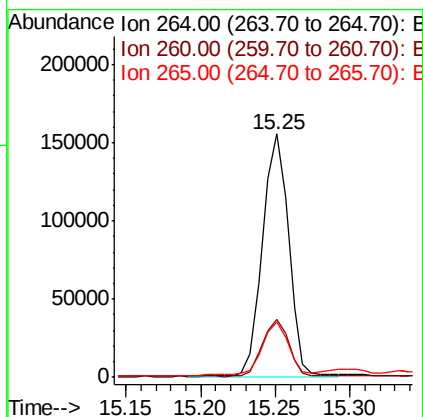
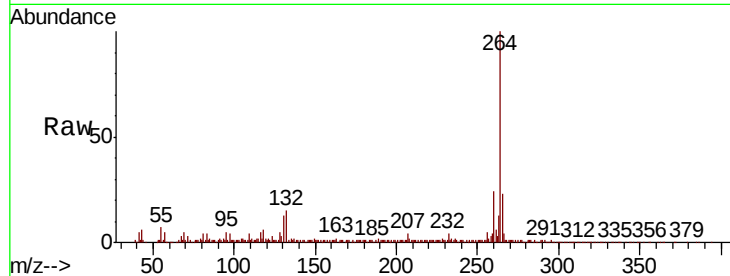




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

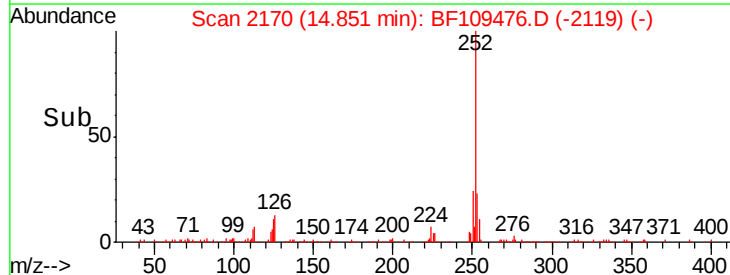
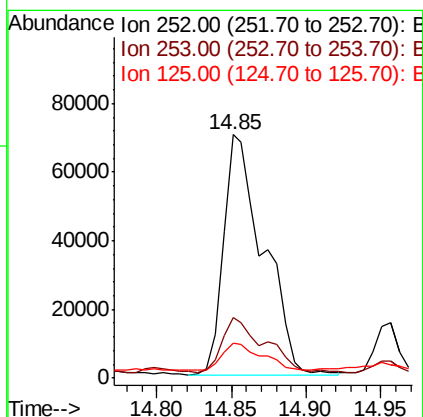
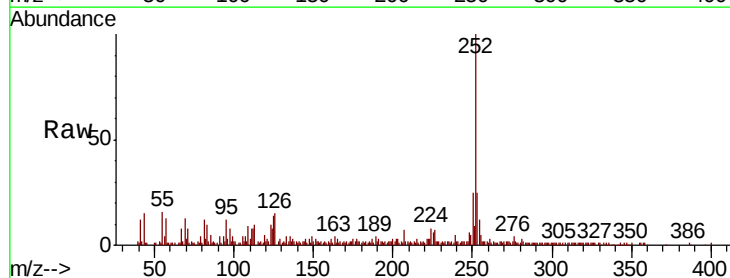
Instrument :
BNA_F
ClientSampleId :
TR-04-092818

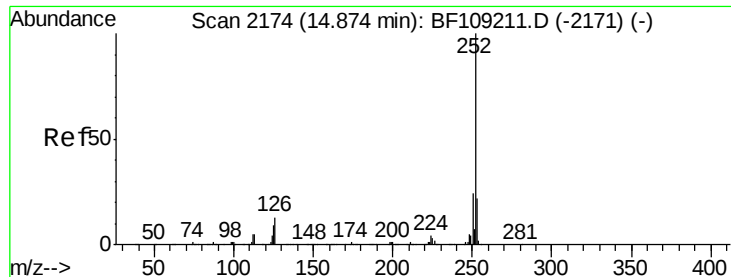
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.9	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 12.740 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	14.4	9.0	13.6#

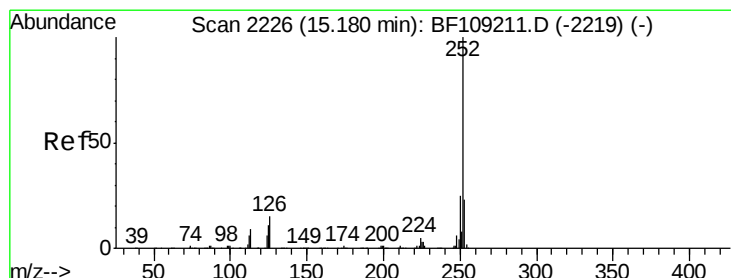
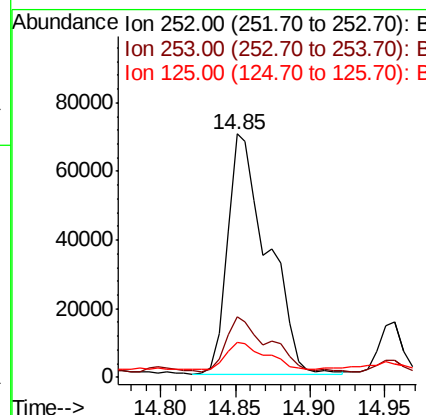
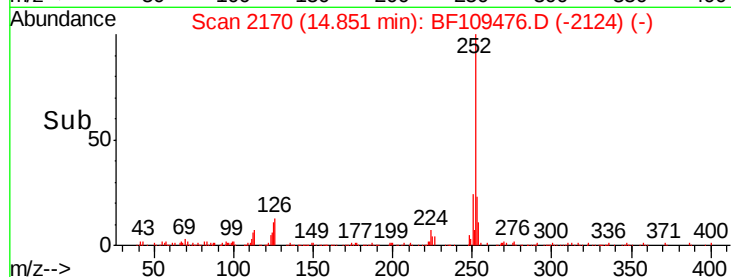
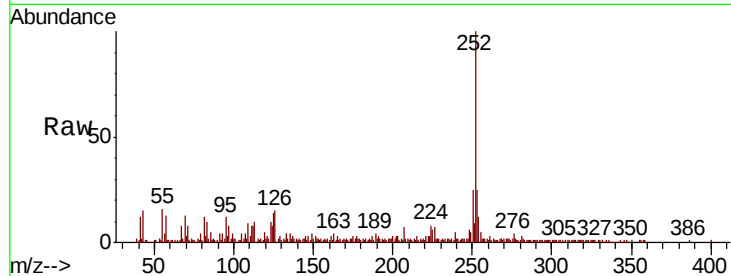




#88
Benzo(k)fluoranthene
Concen: 13.426 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

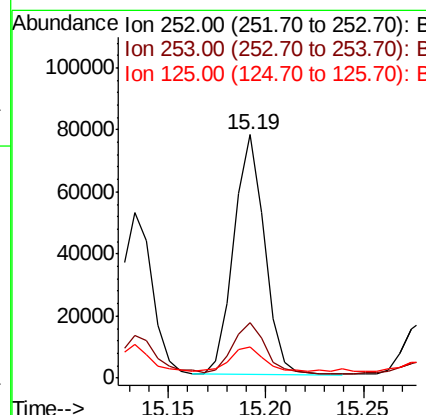
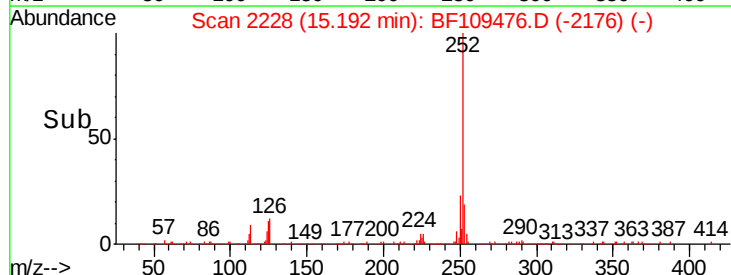
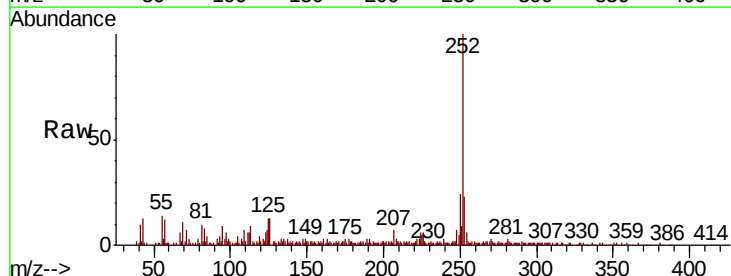
Instrument :
BNA_F
ClientSampleId :
TR-04-092818

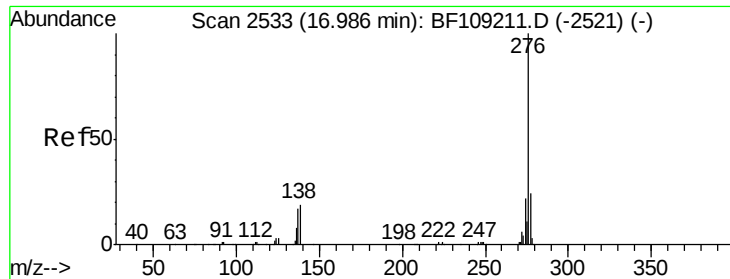
Tot Ion:252 Resp: 130698
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 14.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.124 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109476.D
Acq: 1 Oct 2018 16:54

Tgt Ion:252 Resp: 84339
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 12.9 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 6.575 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.02 min

Lab File: BF109476.D

Acq: 1 Oct 2018 16:54

Instrument :

BNA_F

ClientSampleId :

TR-04-092818

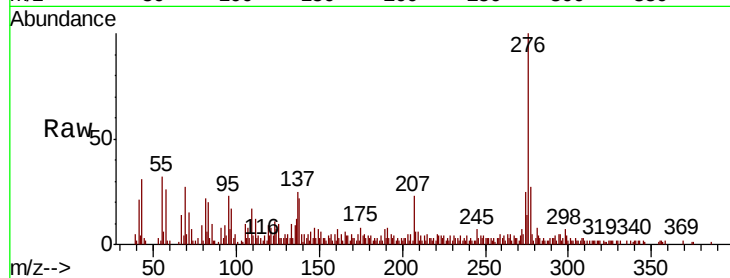
Tot Ion: 276 Resp: 49009

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 22.3 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

