

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109445.D
 Acq On : 28 Sep 2018 22:03
 Operator : JU/SJ
 Sample : J5102-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Quant Time: Sep 29 02:14:14 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	6.71	152	104662	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	356311	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	139423	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	248562	20.00	ng	0.00
75) Chrysene-d12	13.85	240	195603	20.00	ng	0.00
86) Perylene-d12	15.24	264	149391	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	483021	76.01	ng	0.00
7) Phenol-d6	6.35	99	597118	73.64	ng	0.00
23) Nitrobenzene-d5	7.27	82	350307	58.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	108225	78.74	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	583118	63.08	ng	-0.01
78) Terphenyl-d14	12.80	244	493645	61.94	ng	0.00

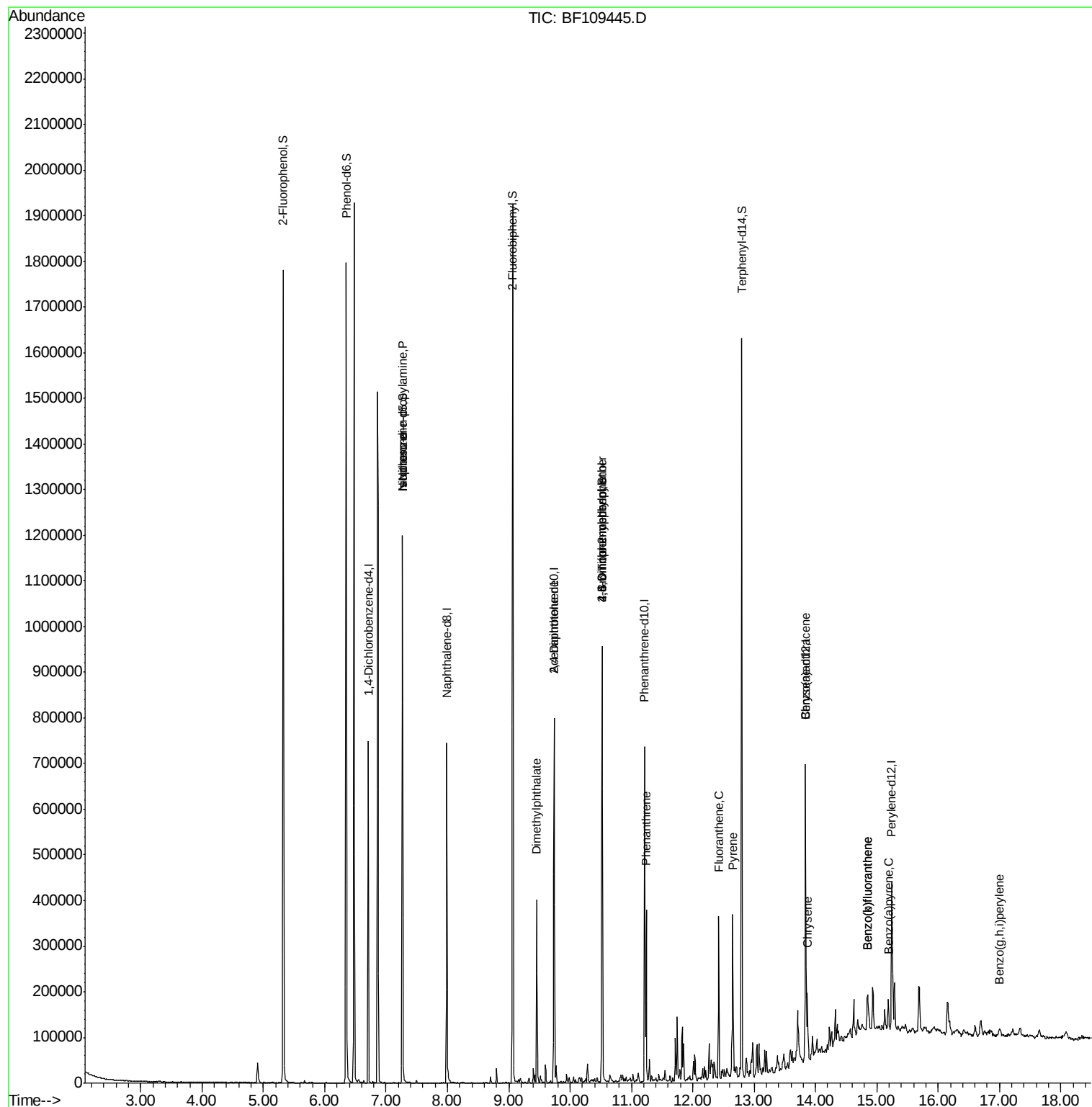
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	47133	8.871	ng	# 78
25) Isophorone	7.27	82	306041	28.157	ng	# 64
49) Dimethylphthalate	9.46	163	149287	14.722	ng	99
56) 2,4-Dinitrotoluene	9.74	165	17858	7.027	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	117	6.621	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	6684	2.422	ng	# 1
70) Phenanthrene	11.24	178	122407	9.863	ng	97
74) Fluoranthene	12.42	202	133719	10.082	ng	97
77) Pyrene	12.65	202	138120	9.853	ng	99
80) Benzo(a)anthracene	13.83	228	50554	4.291	ng	92
82) Chrysene	13.87	228	58850	5.040	ng	98
87) Benzo(b)fluoranthene	14.85	252	52774	6.429	ng	96
88) Benzo(k)fluoranthene	14.85	252	52774	6.775	ng	99
89) Benzo(a)pyrene	15.19	252	28452	3.846	ng	95
91) Benzo(g,h,i)perylene	17.00	276	15346	2.573	ng	# 88

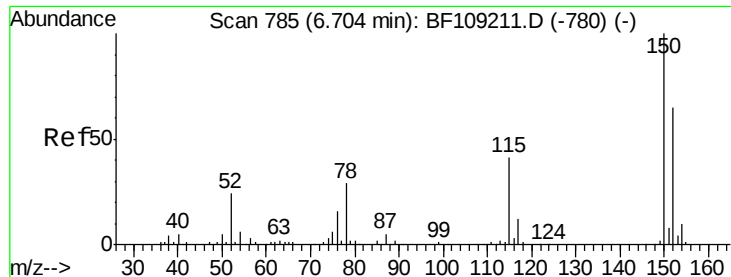
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Instrument :

BNA_F

ClientSampleId :

C-1

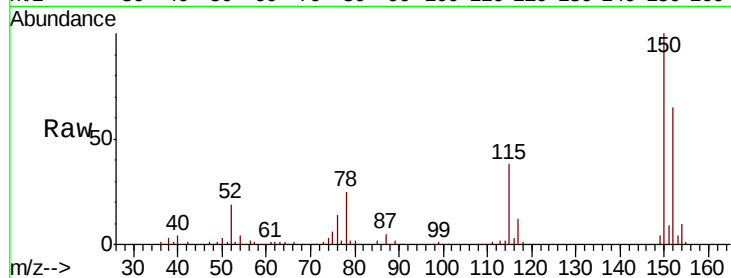
Tgt Ion:152 Resp: 104662

Ion Ratio Lower Upper

152 100

150 153.3 124.6 186.8

115 58.5 50.1 75.1

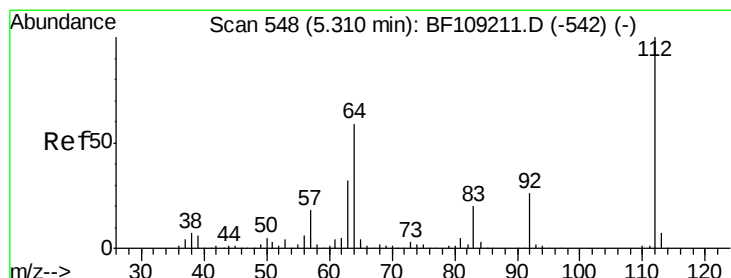
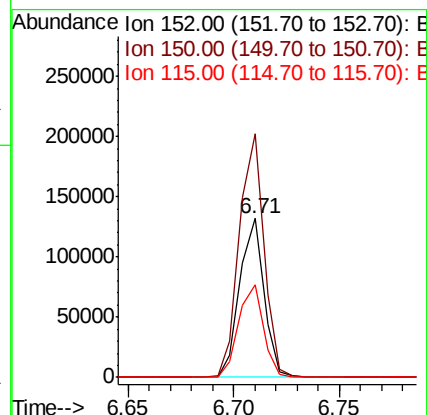
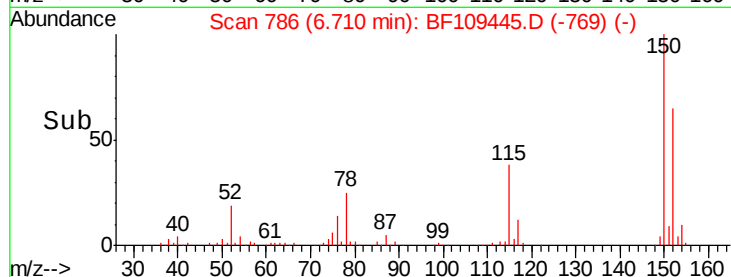


Abundance

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: 76.014 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

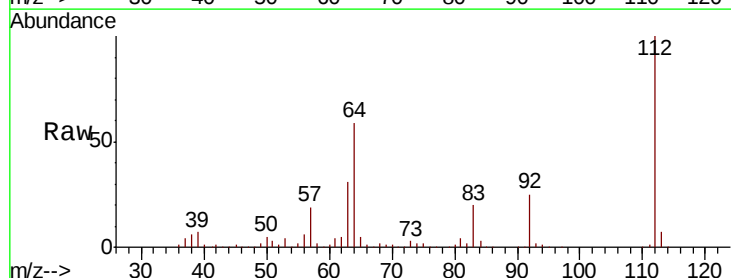
Tgt Ion:112 Resp: 483021

Ion Ratio Lower Upper

112 100

64 58.6 47.9 71.9

63 30.9 23.7 35.5

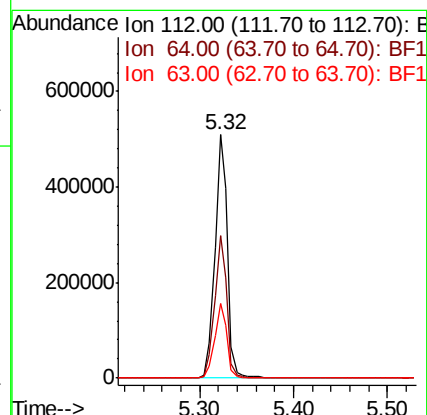
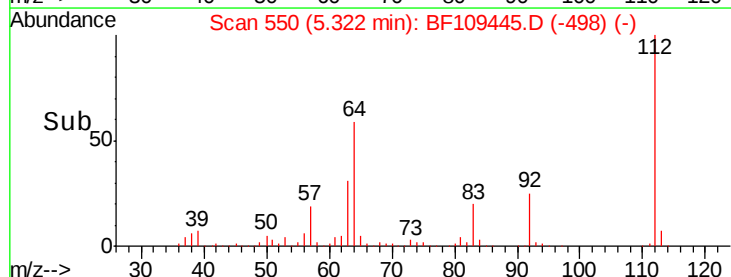


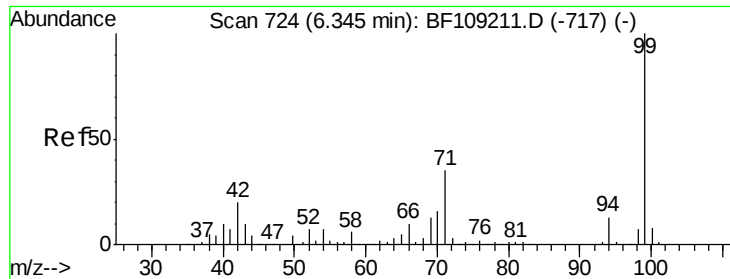
Abundance

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: 73.641 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Instrument :

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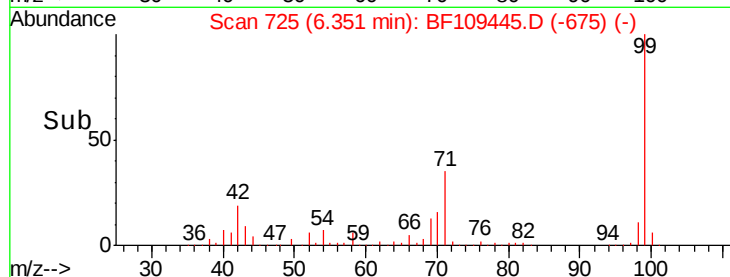
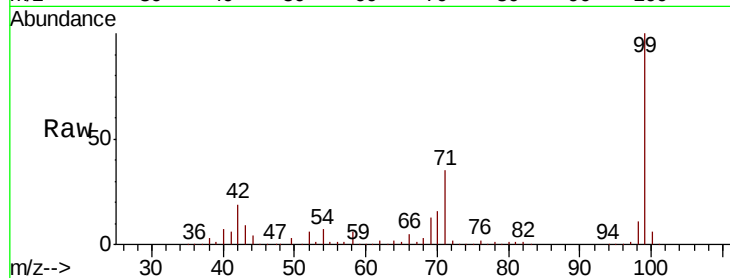
Tgt Ion: 99 Resp: 597118

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

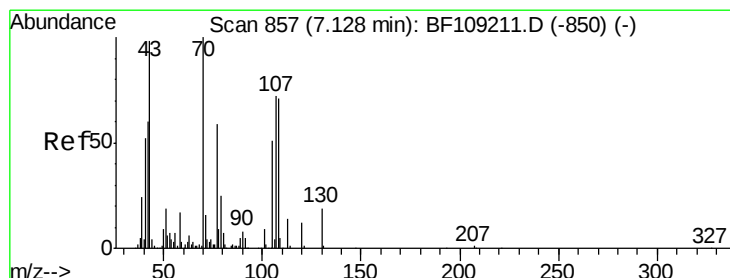
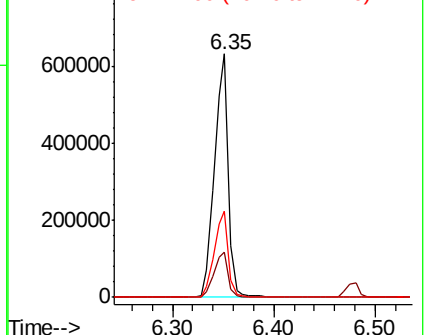
71 35.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 8.871 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Tgt Ion: 70 Resp: 47133

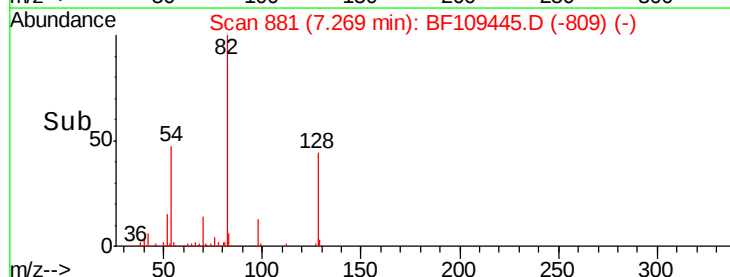
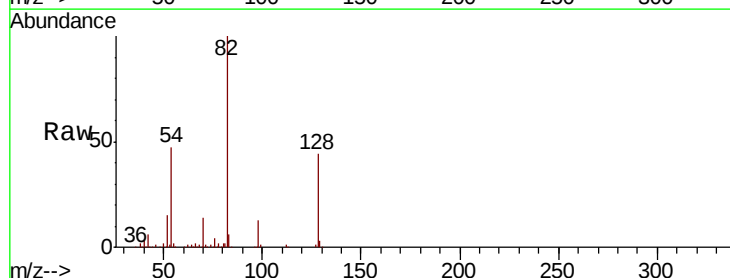
Ion Ratio Lower Upper

70 100

42 47.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

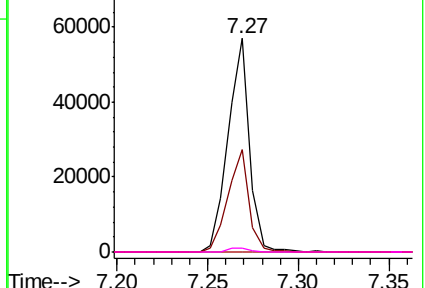


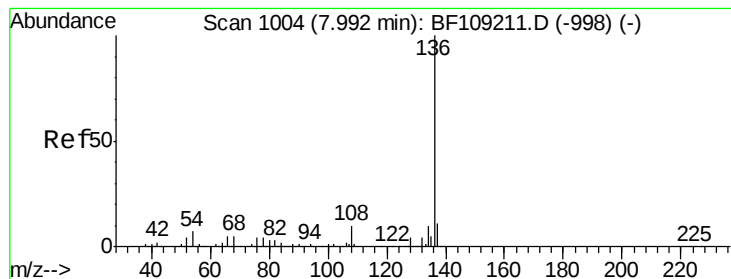
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Instrument :

BNA_F

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Tgt Ion: 136 Resp: 356311

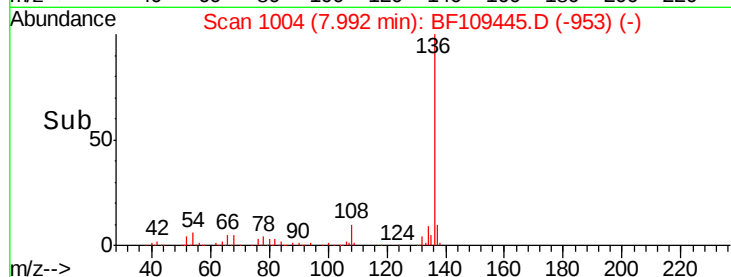
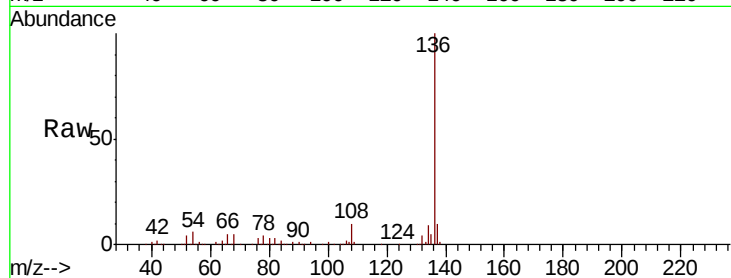
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 6.4 6.6 9.8#

68 5.2 5.0 7.4

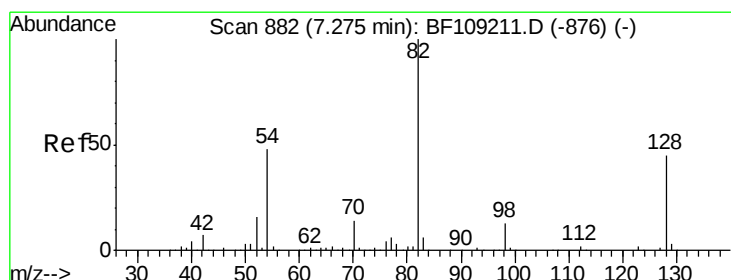
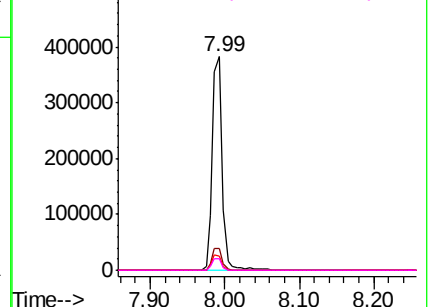


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.037 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

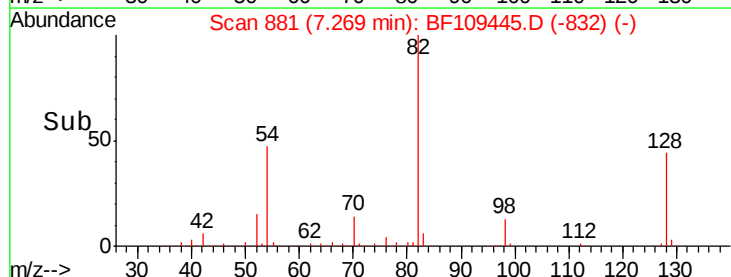
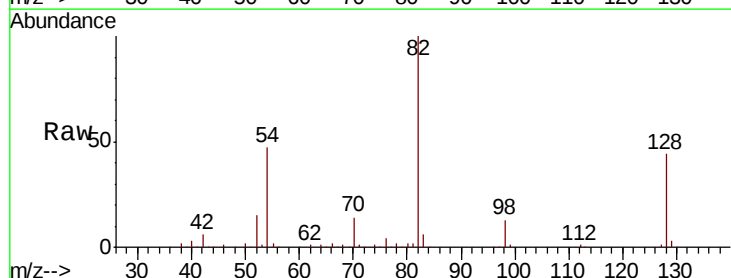
Tgt Ion: 82 Resp: 350307

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

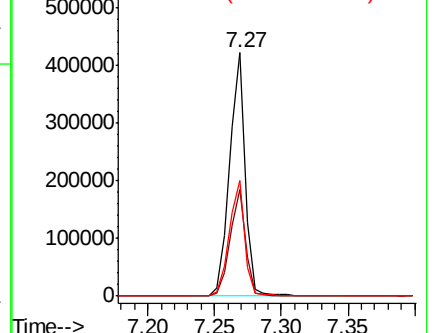
54 47.4 41.4 62.2

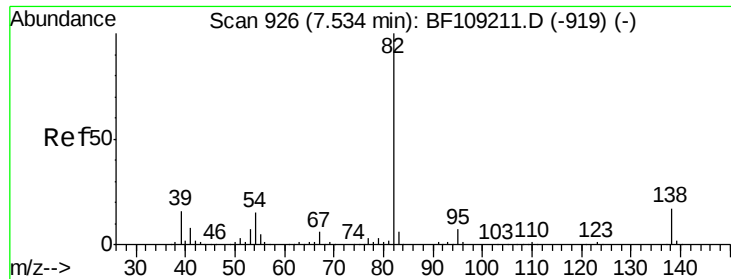


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

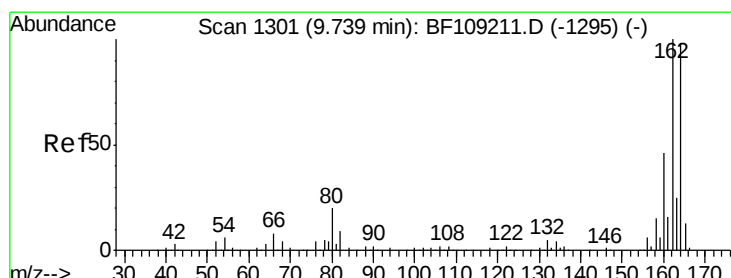
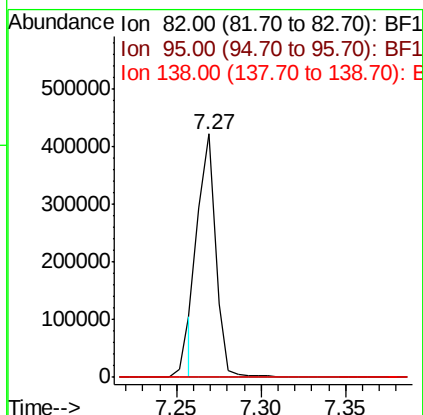
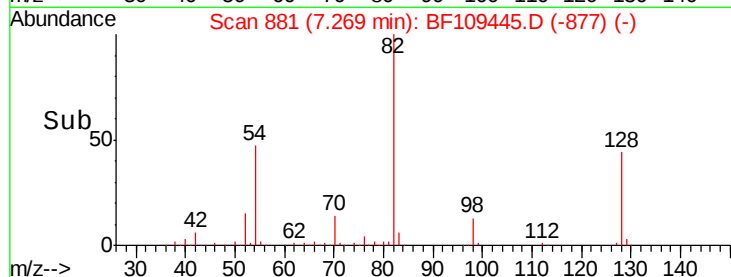
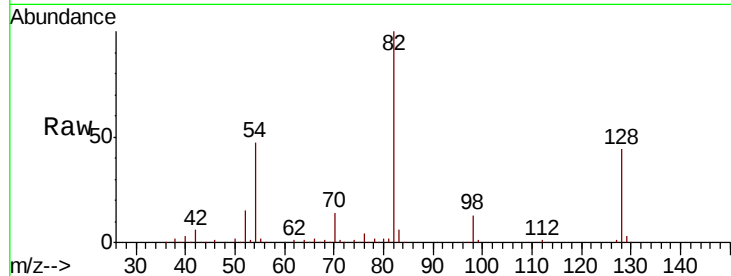




#25
Isophorone
Concen: 28.157 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

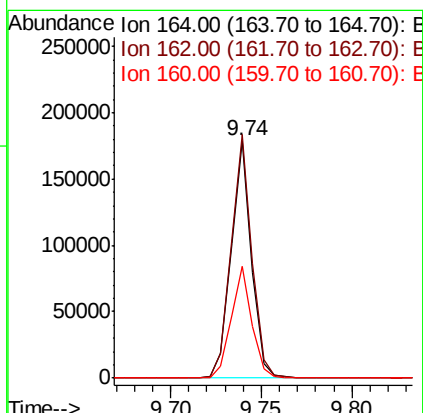
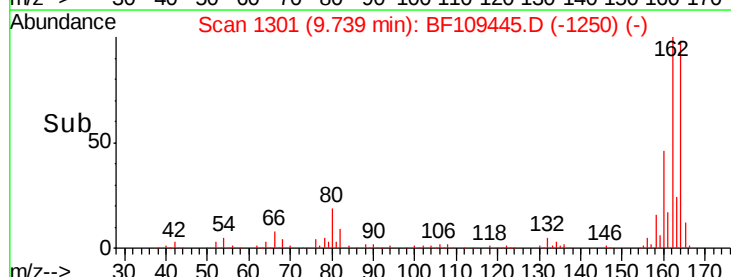
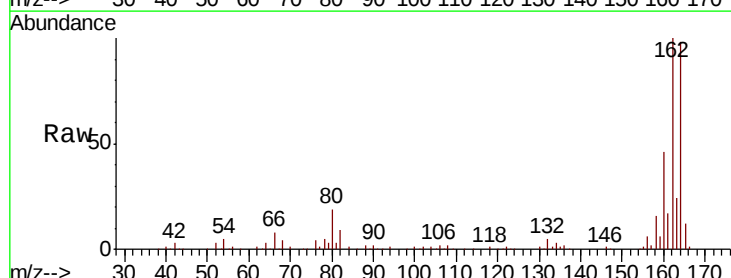
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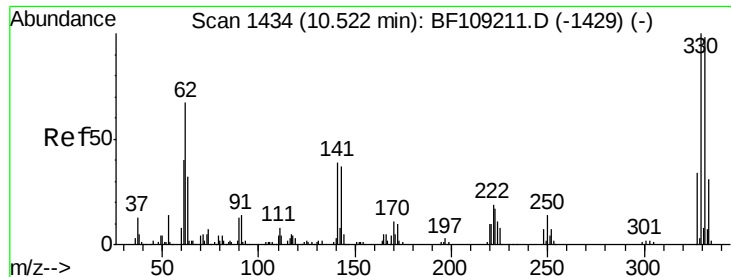
Tgt Ion: 82 Resp: 306041
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion: 164 Resp: 139423
Ion Ratio Lower Upper
164 100
162 102.5 86.1 129.1
160 46.8 38.3 57.5

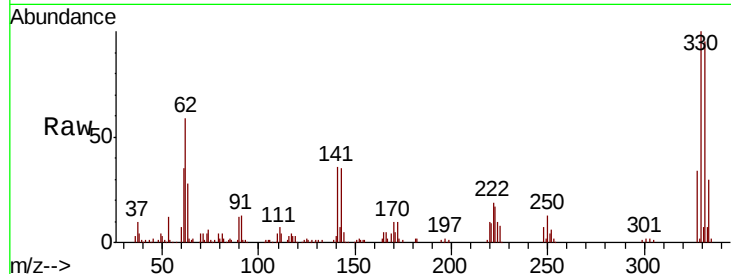




#41
 2,4,6-Tribromophenol
 Concen: 78.742 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	33.1	29.9	44.9

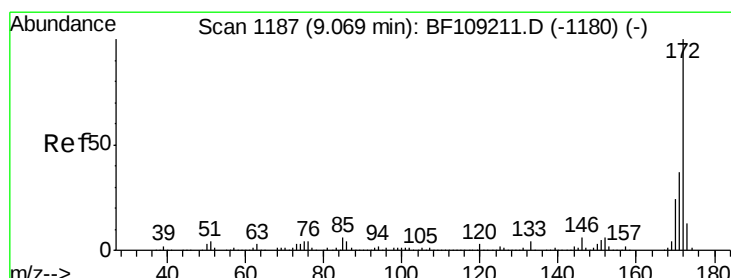
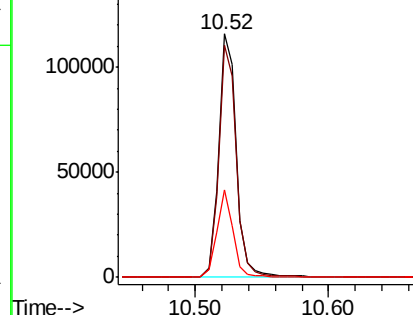
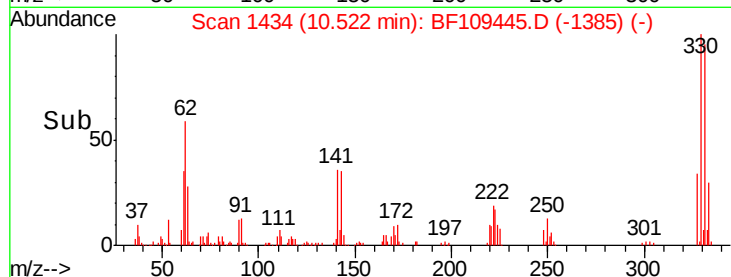


Abundance

Ion 329.80 (329.50 to 330.50): E

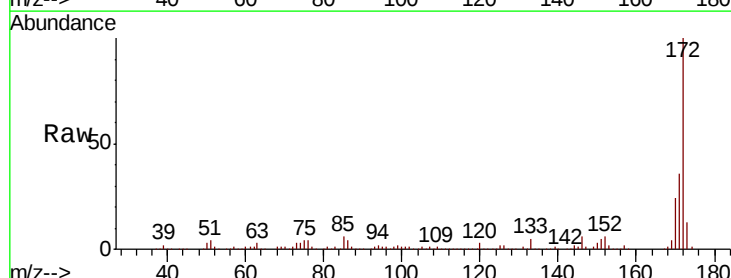
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.078 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.6	19.6	29.4

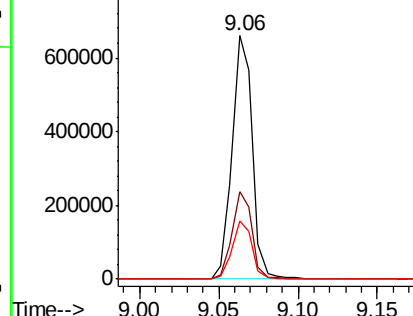
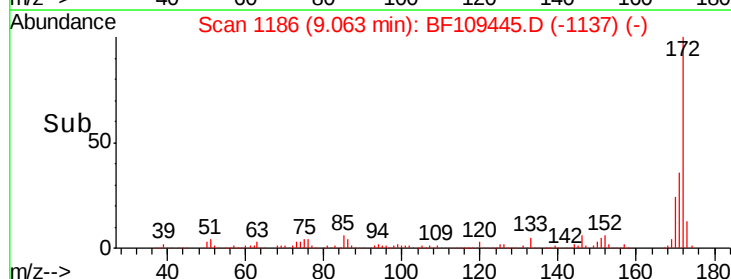


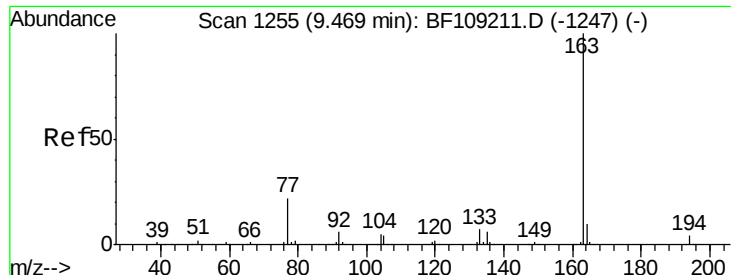
Abundance

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

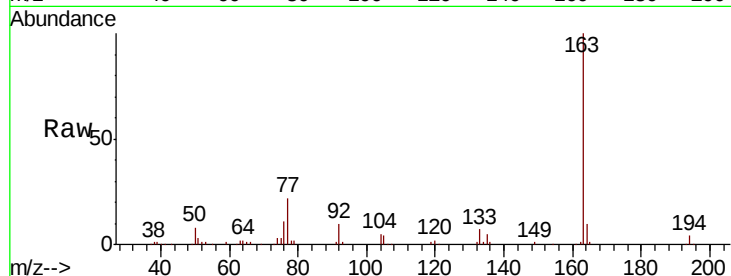




#49
Dimethylphthalate
Concen: 14.722 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.5	8.2	12.2

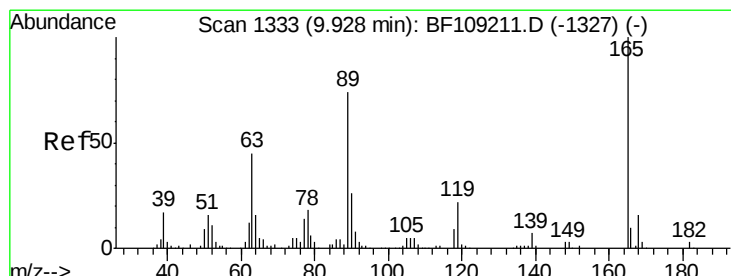
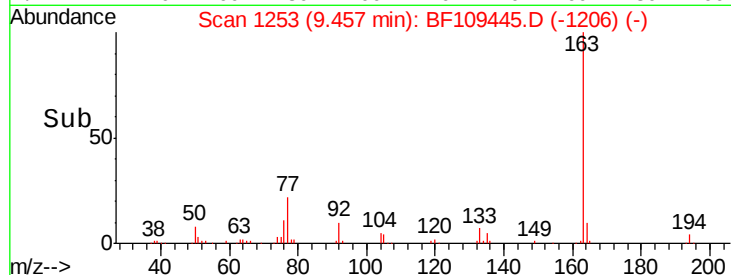
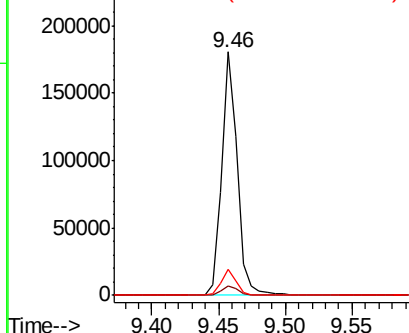


Abundance

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



#56
2,4-Dinitrotoluene
Concen: 7.027 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

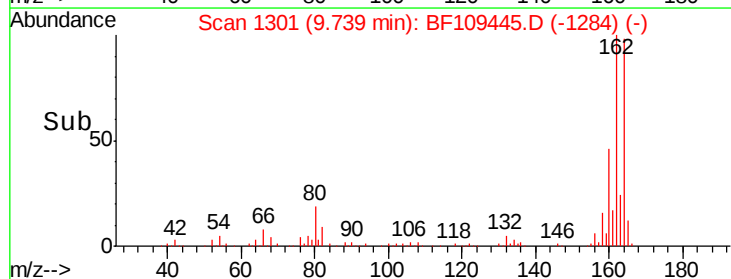
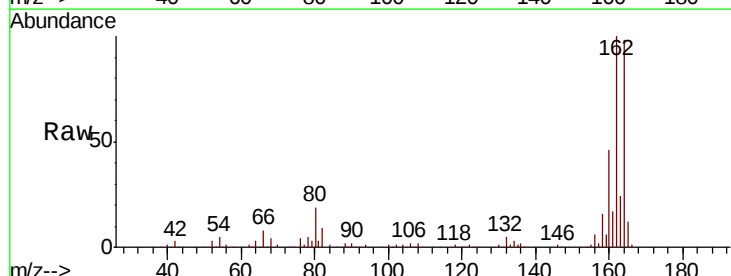
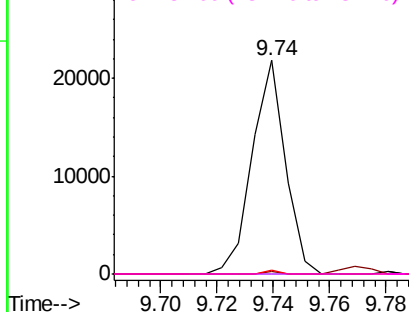
Abundance

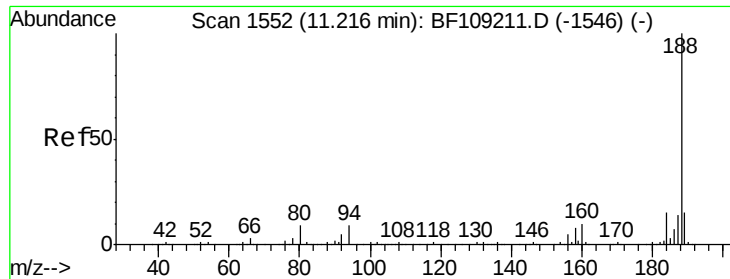
Ion 165.00 (164.70 to 165.70): E

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

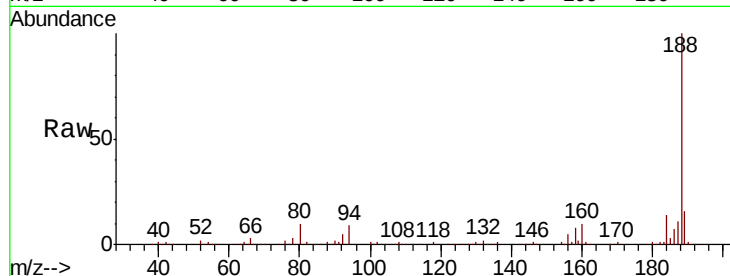




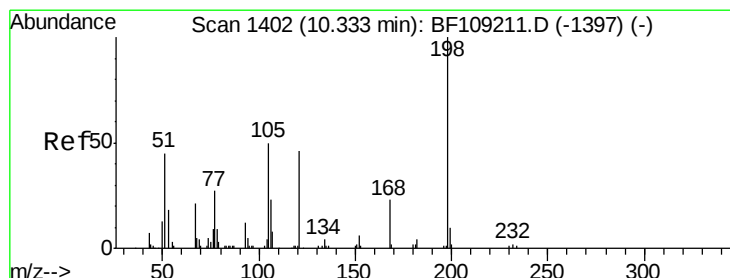
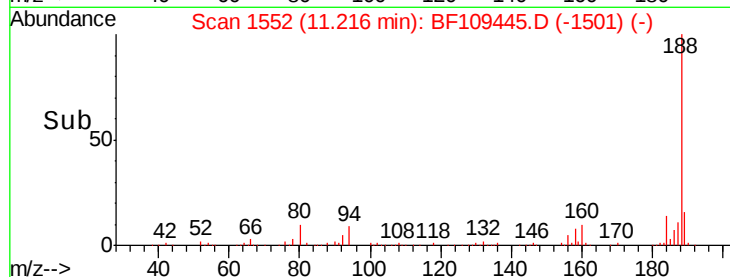
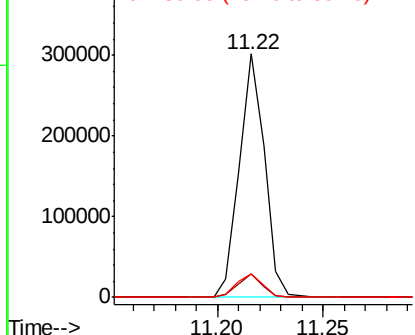
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:188 Resp: 248562
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 9.8 9.2 13.8

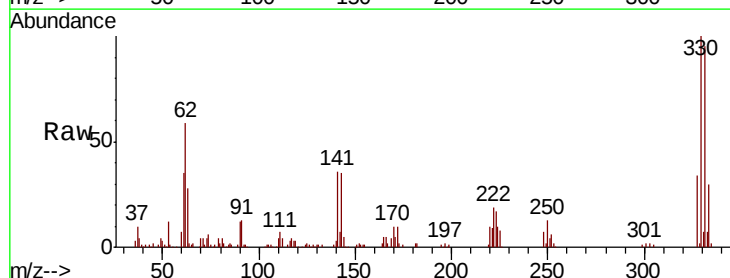


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

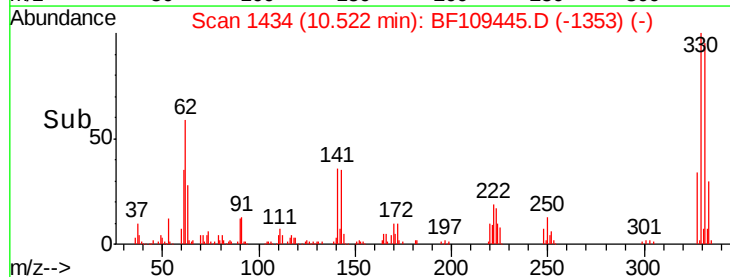
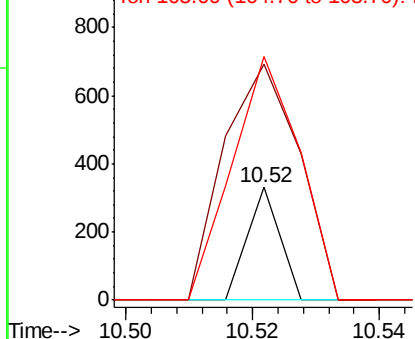


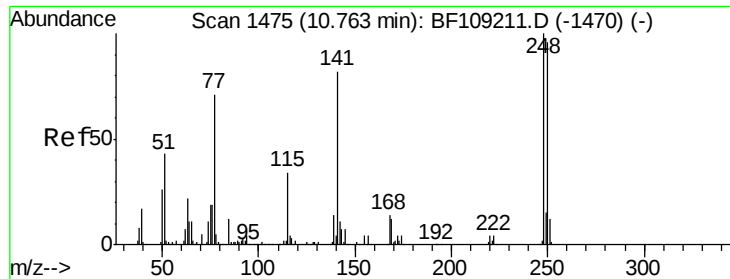
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.621 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Tgt Ion:198 Resp: 117
 Ion Ratio Lower Upper
 198 100
 51 209.1 37.7 77.7#
 105 215.7 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

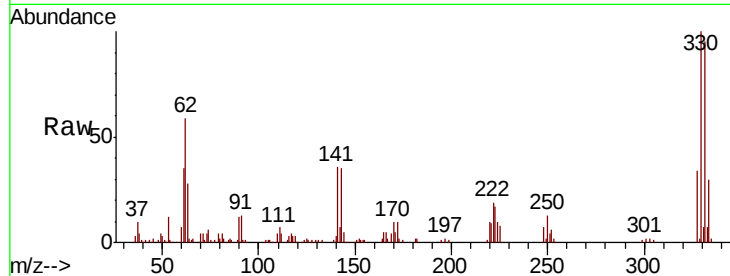




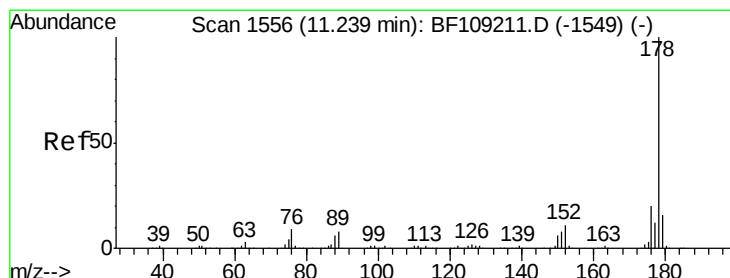
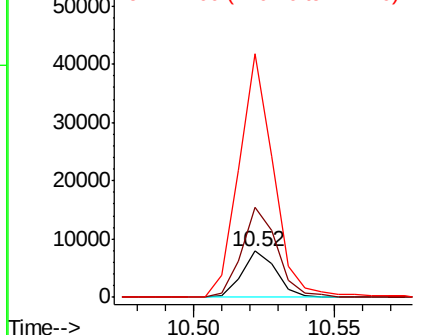
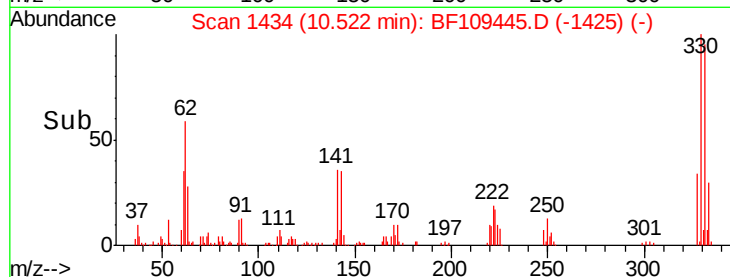
#66
 4-Bromophenyl-phenylether
 Concen: 2.422 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tgt Ion:248 Resp: 6684
 Ion Ratio Lower Upper
 248 100
 250 194.7 76.9 115.3#
 141 529.8 74.4 111.6#

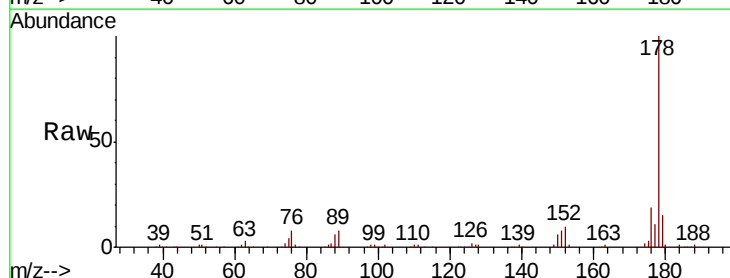


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

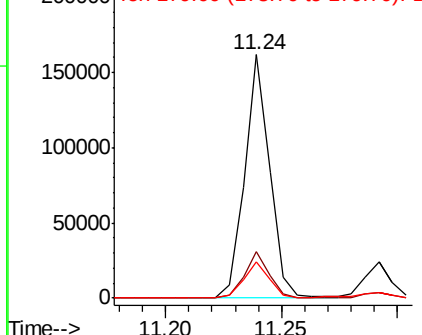
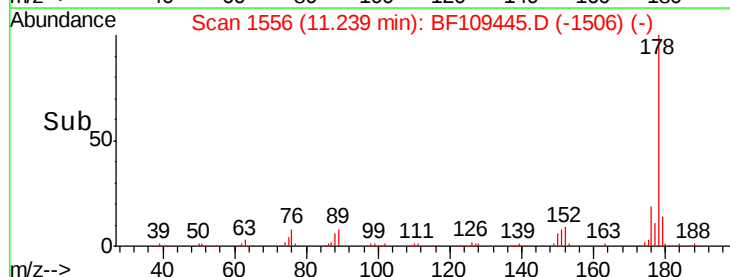


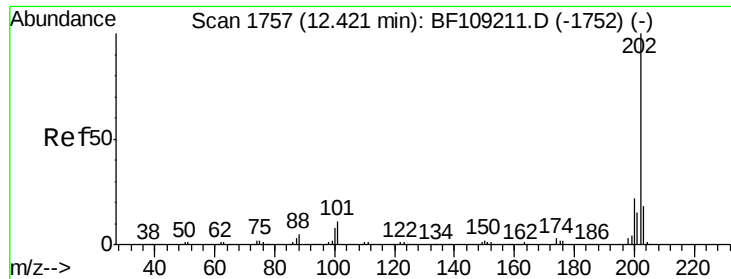
#70
 Phenanthrene
 Concen: 9.863 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF109445.D
 Acq: 28 Sep 2018 22:03

Tgt Ion:178 Resp: 122407
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 14.6 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: 10.082 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Instrument :

BNA_F

ClientSampleId :

C-1

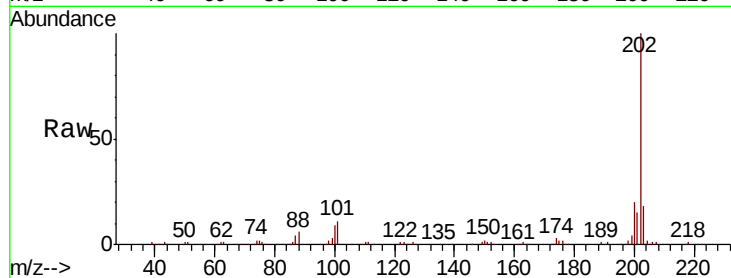
Tgt Ion: 202 Resp: 133719

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

203 17.9 0.0 38.1

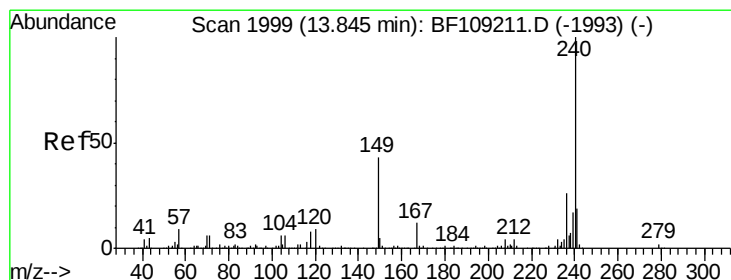
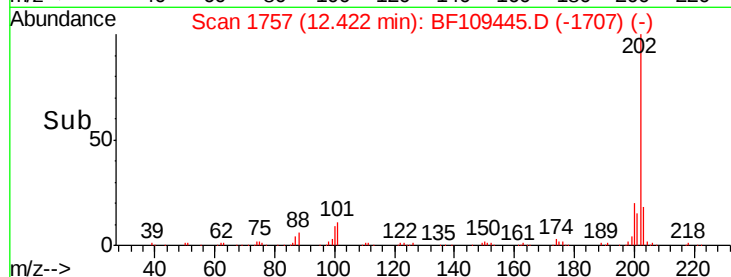
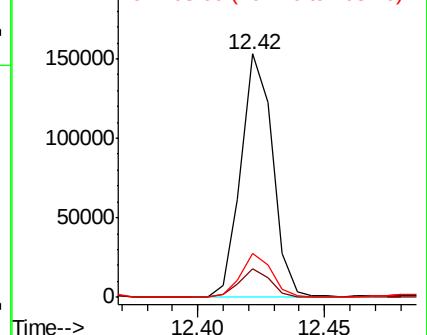


Abundance

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: 13.85 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

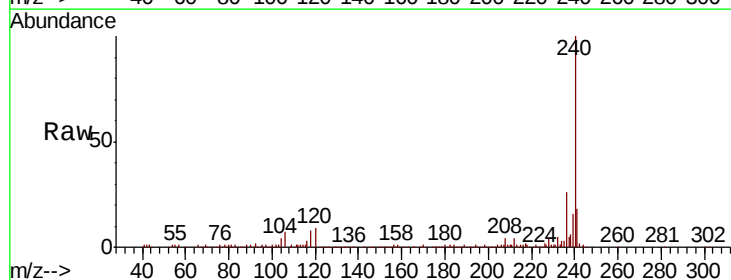
Tgt Ion: 240 Resp: 195603

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

236 25.5 20.7 31.1

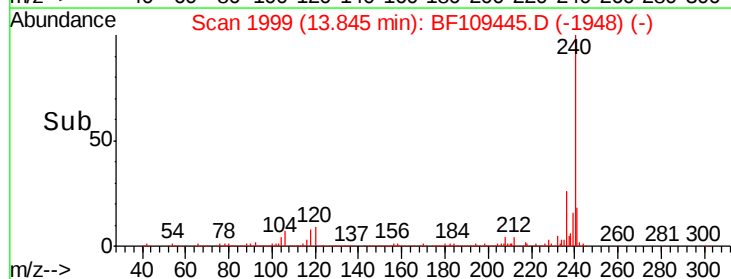
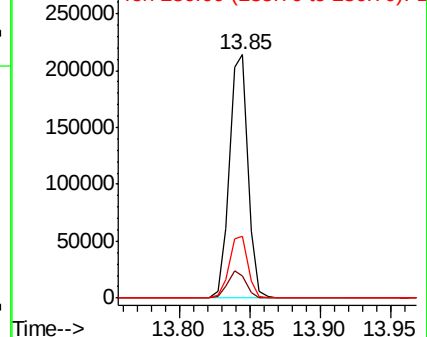


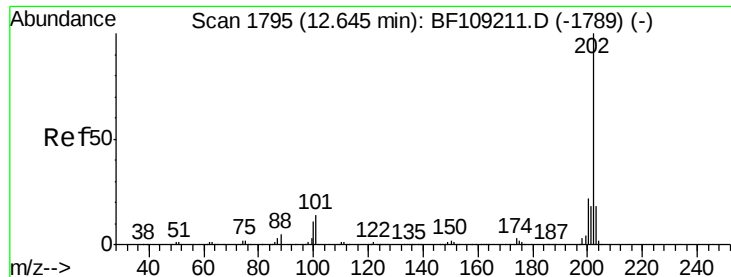
Abundance

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

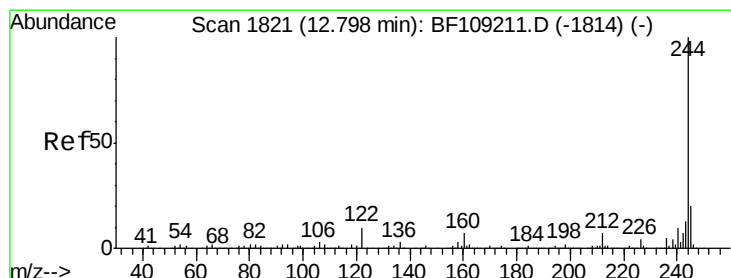
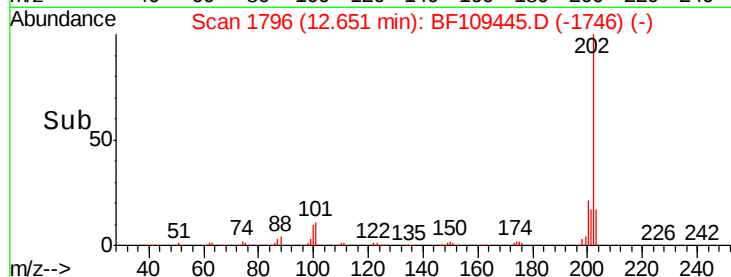
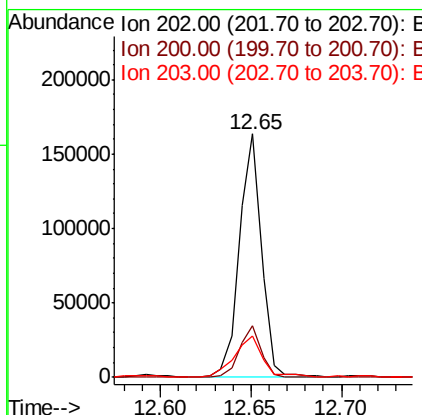
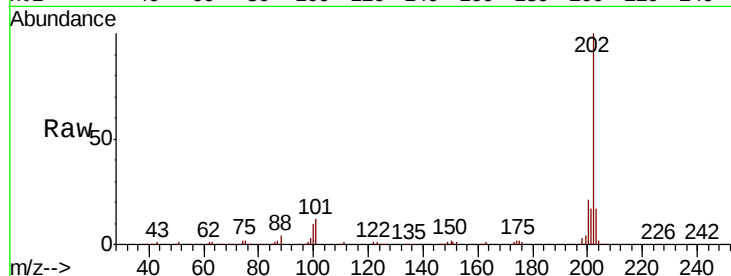




#77
Pyrene
Concen: 9.853 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

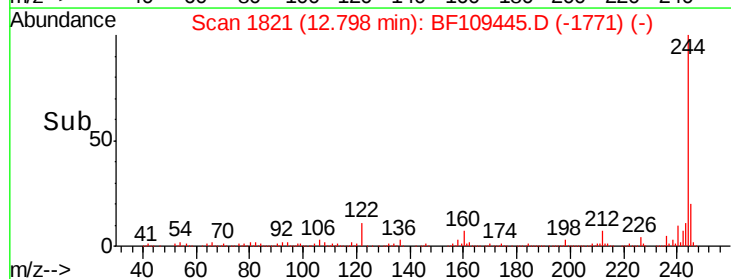
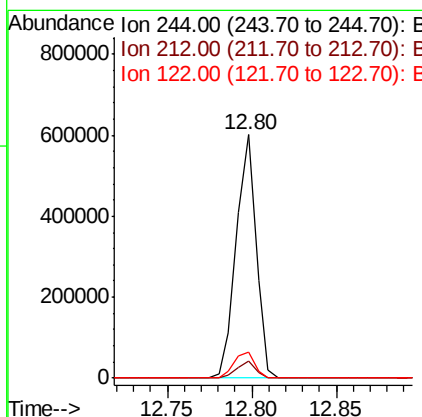
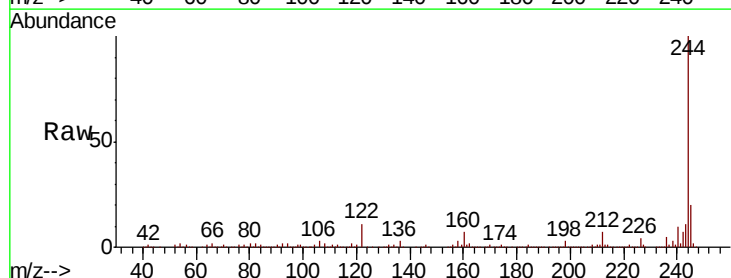
Instrument :
BNA_F
ClientSampleId :
C-1

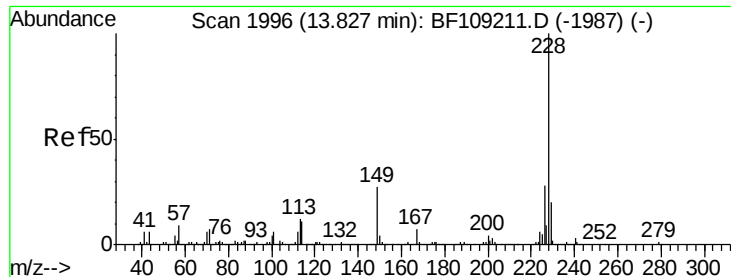
Tgt Ion: 202 Resp: 138120
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.2 14.3 21.5



#78
Terphenyl-d14
Concen: 61.936 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion: 244 Resp: 493645
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 10.6 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 4.291 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

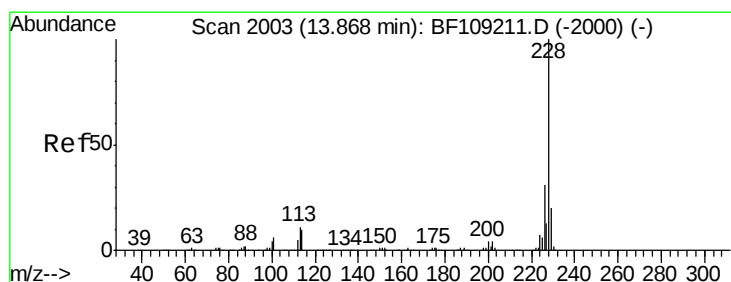
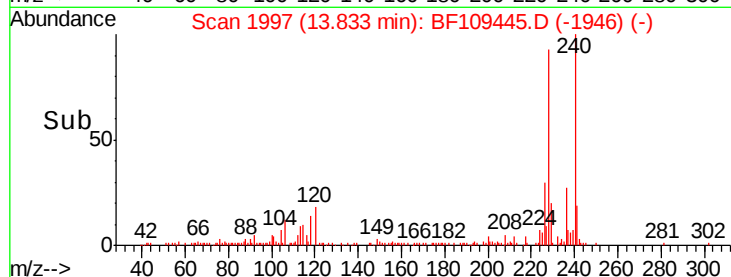
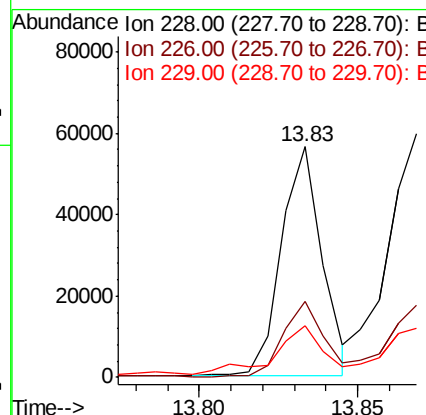
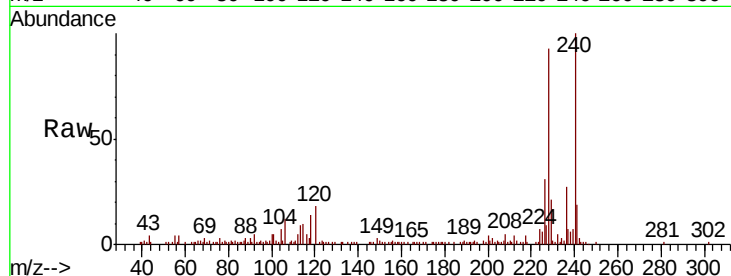
Instrument :

BNA_F

ClientSampleId :

C-1

Tgt Ion:	228	Resp:	50554
Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.6	33.8
229	22.6	15.8	23.6



#82

Chrysene

Concen: 5.040 ng

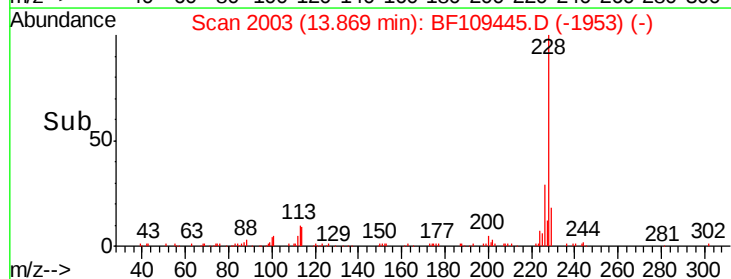
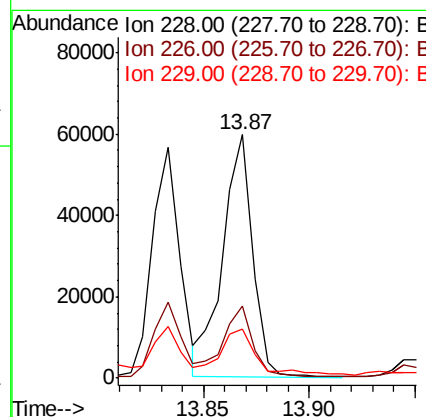
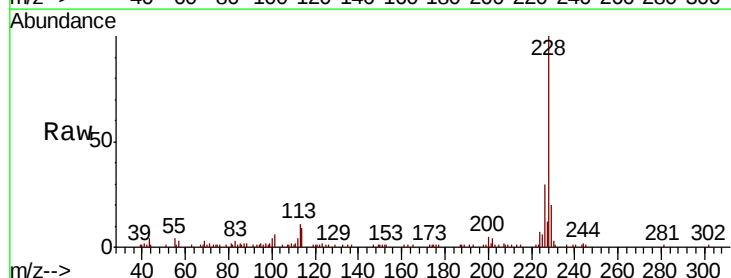
RT: 13.87 min Scan# 2003

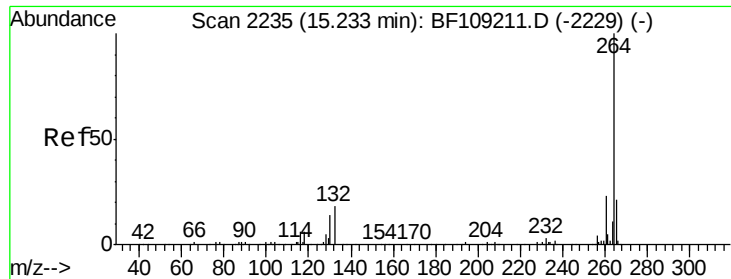
Delta R.T. -0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Tgt Ion:	228	Resp:	58850
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.3	16.2	24.4



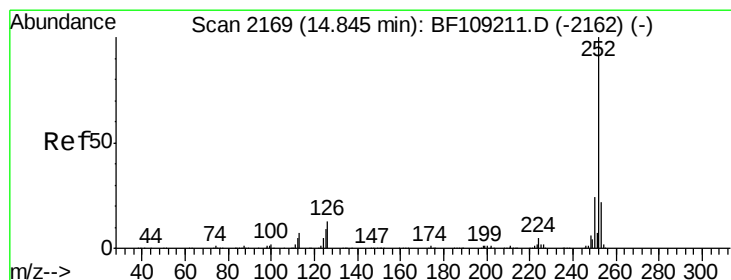
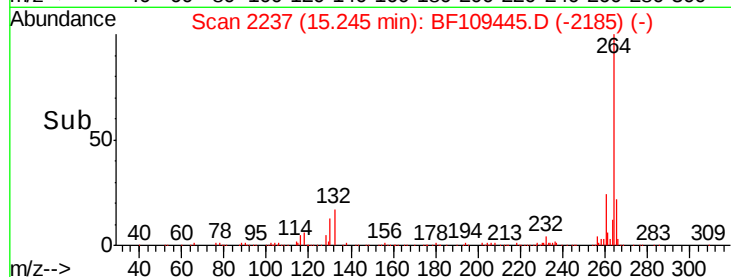
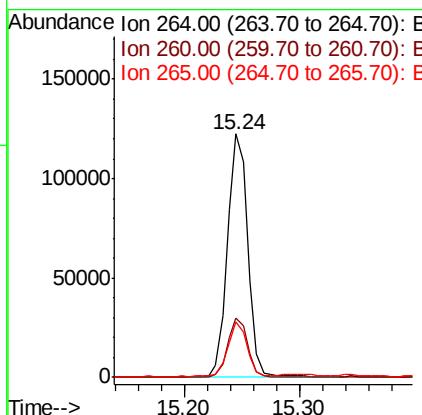
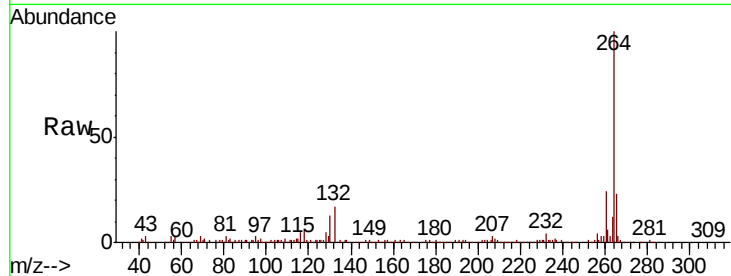


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Instrument :
BNA_F
ClientSampleId :
C-1

Tgt Ion: 264 Resp: 149391

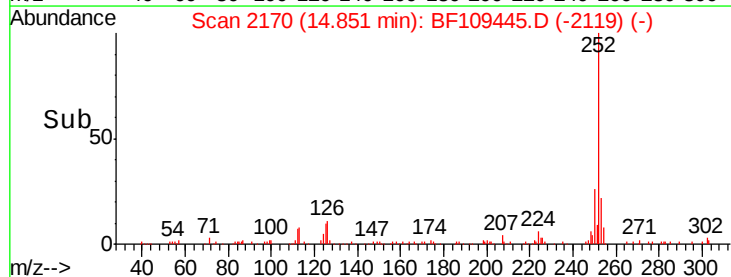
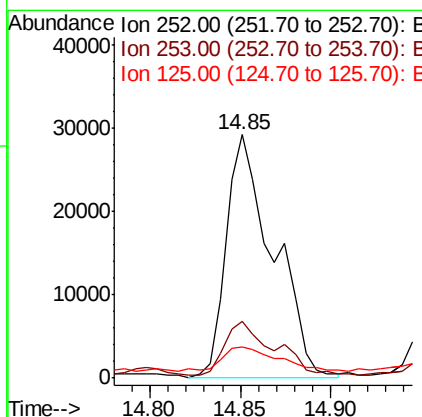
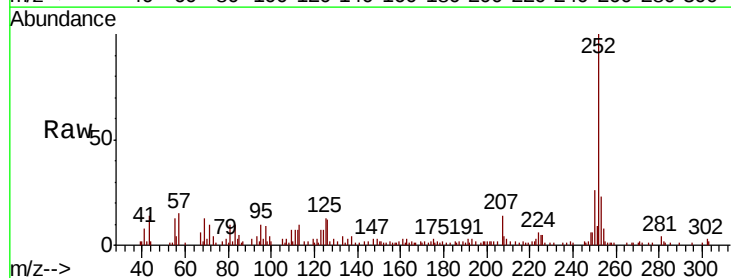
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

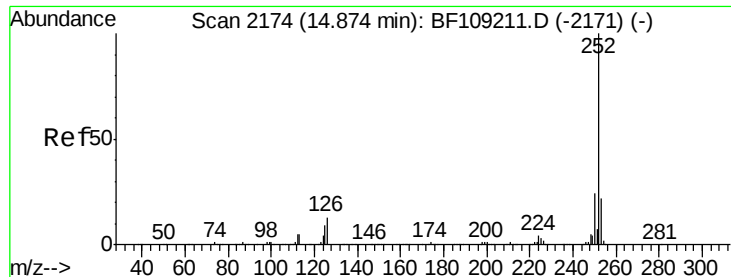


#87
Benzo(b)fluoranthene
Concen: 6.429 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion: 252 Resp: 52774

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	12.8	9.0	13.6

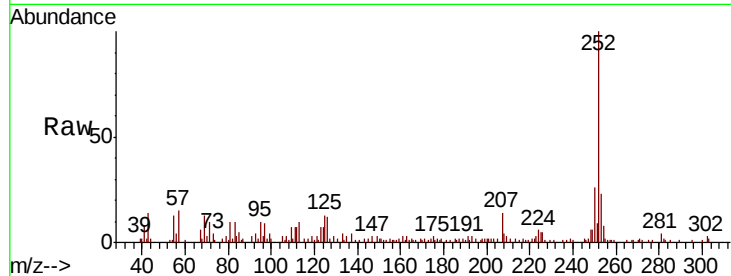




#88
Benzo(k)fluoranthene
Concen: 6.775 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Instrument :
BNA_F
ClientSampleId :
C-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.8	10.2	15.2

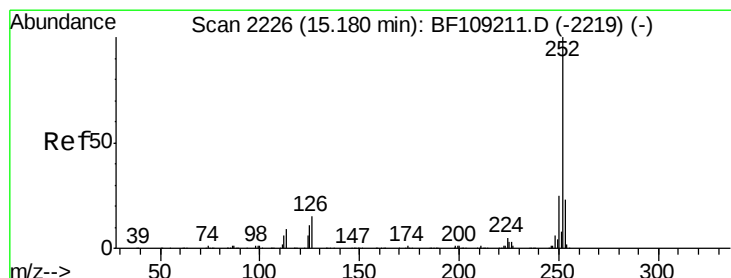
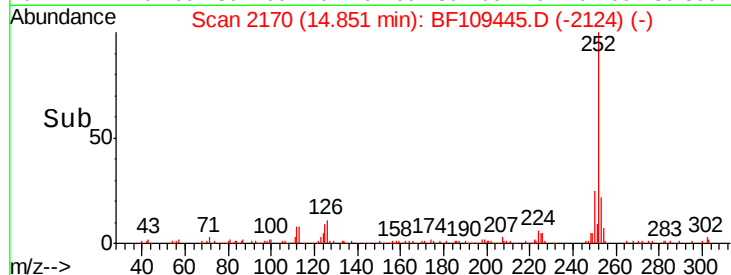
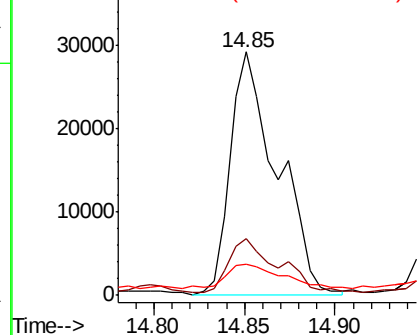


Abundance

Ion 252.00 (251.70 to 252.70): E

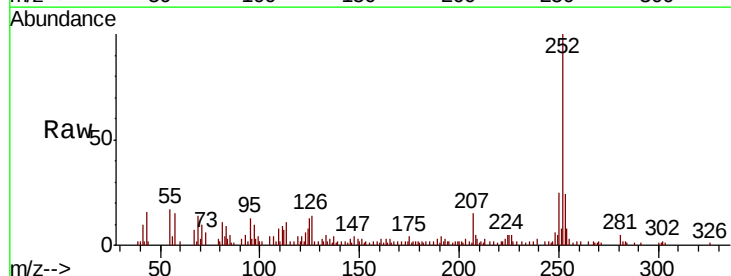
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.846 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109445.D
Acq: 28 Sep 2018 22:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	13.5	9.8	14.6

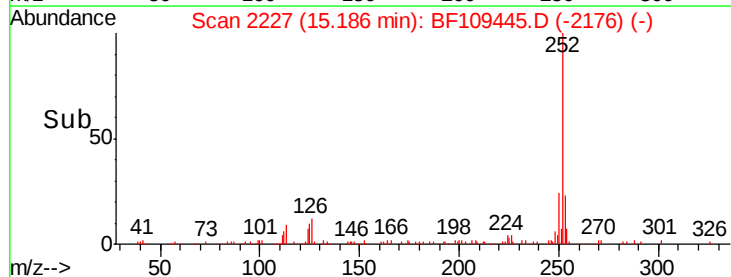
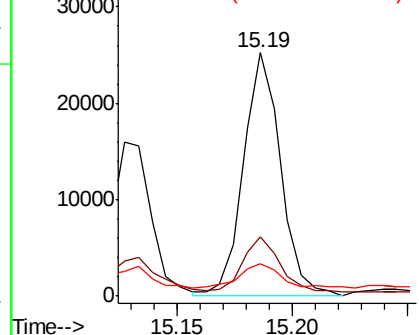


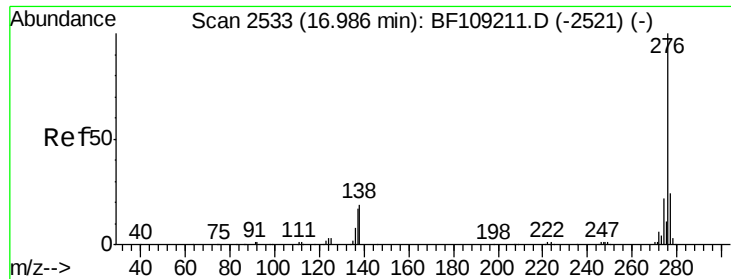
Abundance

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





#91

Benzo(g,h,i)perylene

Concen: 2.573 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF109445.D

Acq: 28 Sep 2018 22:03

Instrument :

BNA_F

ClientSampleId :

C-1

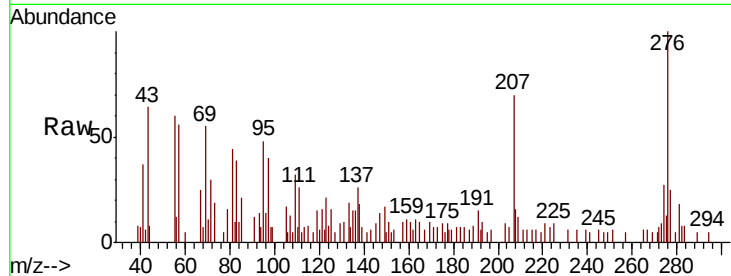
Tgt Ion: 276 Resp: 15346

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 17.7 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

