

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109265.D
 Acq On : 24 Sep 2018 14:15
 Operator : JU/SJ
 Sample : J4770-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 17:06:27 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	126134	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	507788	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	249170	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	434022	20.00	ng	0.00
75) Chrysene-d12	13.84	240	325445	20.00	ng	0.00
86) Perylene-d12	15.24	264	324914	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	242757	31.70	ng	-0.01
7) Phenol-d6	6.34	99	315238	32.26	ng	-0.02
23) Nitrobenzene-d5	7.26	82	189413	22.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	75508	30.74	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	349233	21.14	ng	-0.01
78) Terphenyl-d14	12.79	244	264110	19.92	ng	-0.01

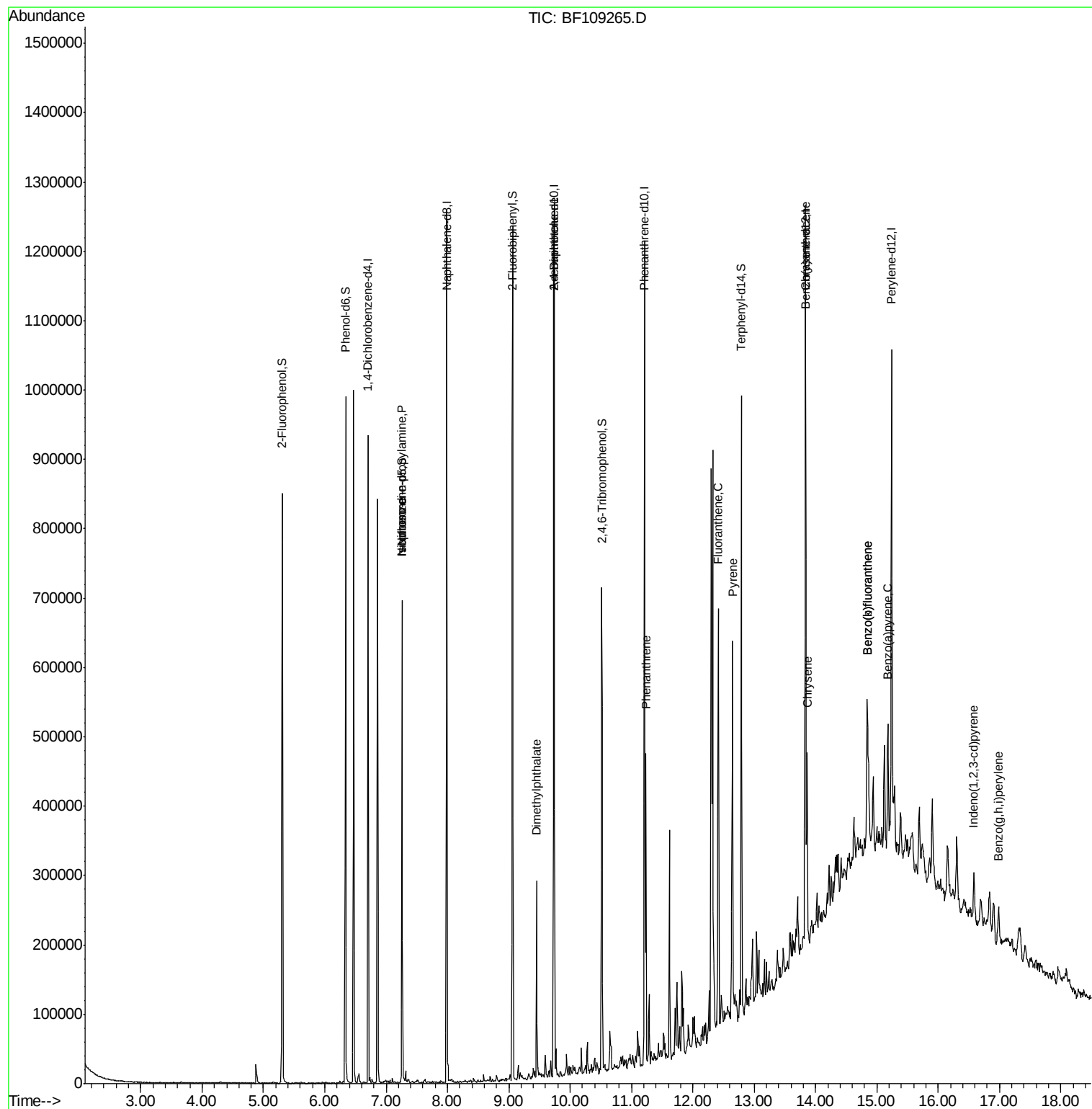
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	25248	3.943	ng	# 77
25) Isophorone	7.26	82	174590	11.271	ng	# 64
49) Dimethylphthalate	9.46	163	101073	5.577	ng	# 98
56) 2,4-Dinitrotoluene	9.73	165	32333	7.119	ng	# 23
70) Phenanthrene	11.23	178	149728	6.909	ng	98
74) Fluoranthene	12.42	202	217631	9.397	ng	97
77) Pyrene	12.64	202	204353	8.761	ng	99
80) Benzo(a)anthracene	13.83	228	98033	5.001	ng	95
82) Chrysene	13.86	228	94671	4.873	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	41593	2.641	ng	# 88
87) Benzo(b)fluoranthene	14.84	252	156683	8.776	ng	# 92
88) Benzo(k)fluoranthene	14.84	252	156683	9.248	ng	95
89) Benzo(a)pyrene	15.18	252	83918	5.216	ng	97
91) Benzo(a,h,i)perylene	16.99	276	39818	3.070	ng	# 86

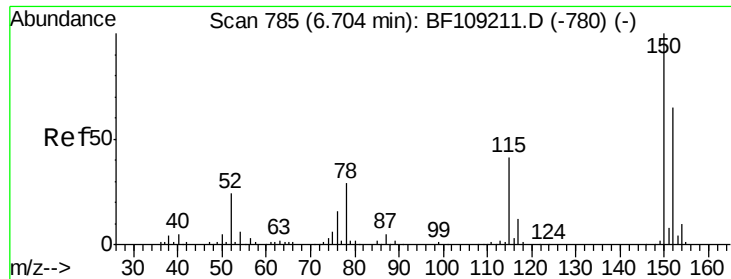
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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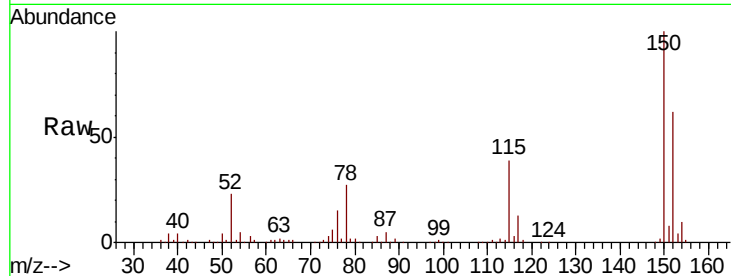


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	63.2	50.1	75.1

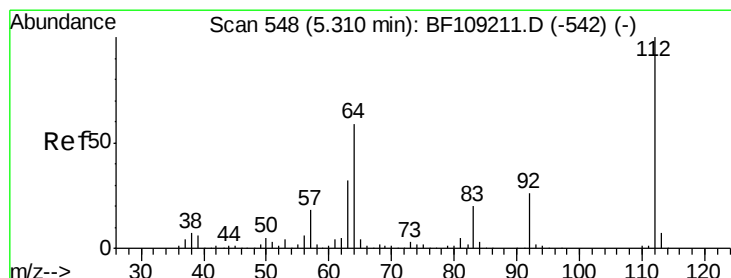
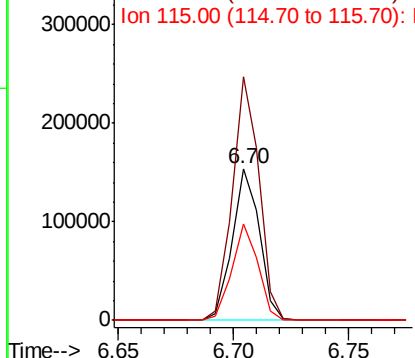
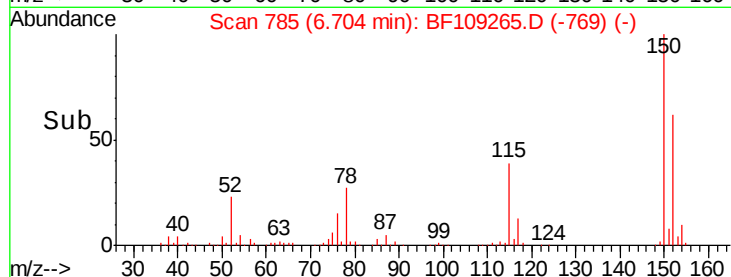


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

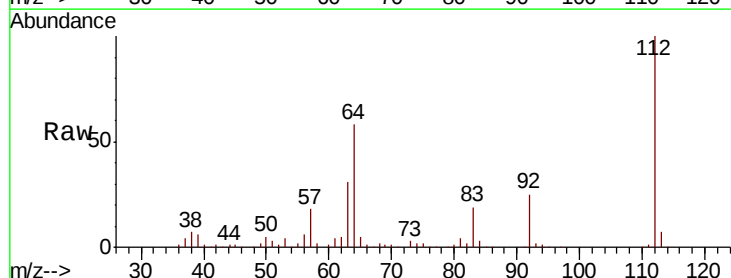
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 31.700 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	31.2	23.7	35.5

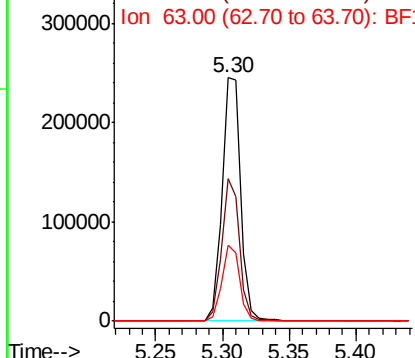
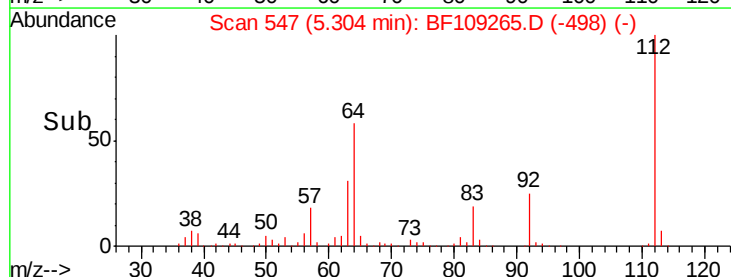


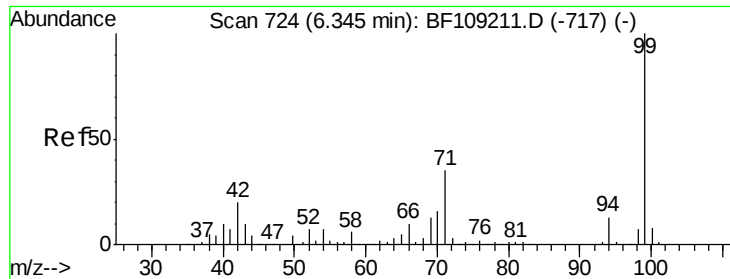
Abundance

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: 32.259 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

ClientSampleId :

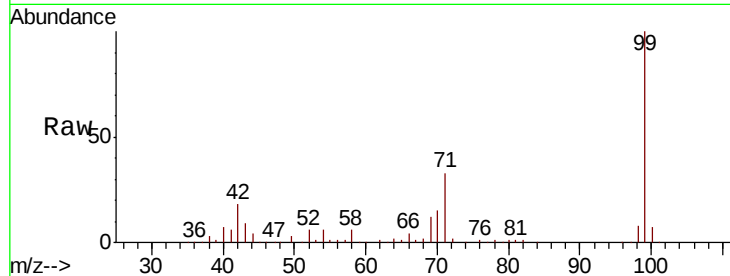
Tot Ion: 99 Resp: 315238

Ion Ratio Lower Upper

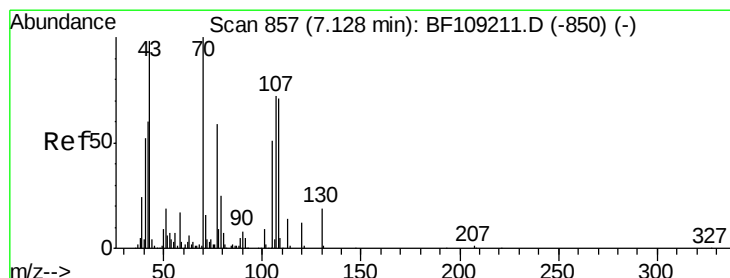
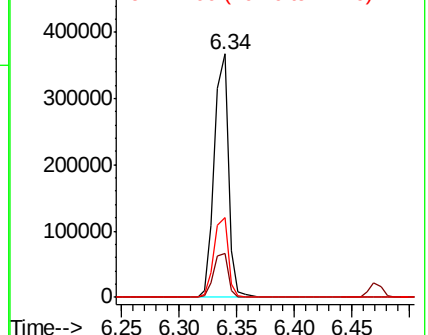
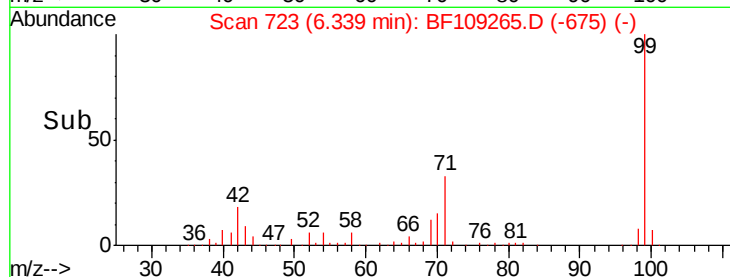
99 100

42 17.9 14.5 21.7

71 32.8 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: 3.943 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Tgt Ion: 70 Resp: 25248

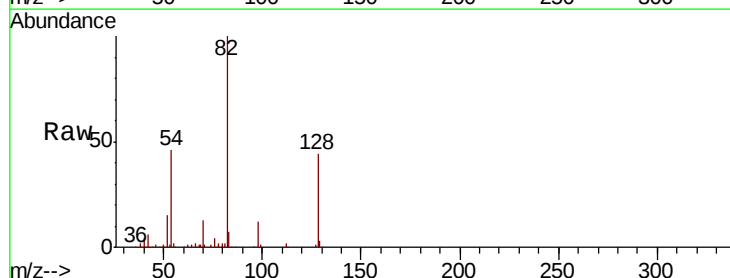
Ion Ratio Lower Upper

70 100

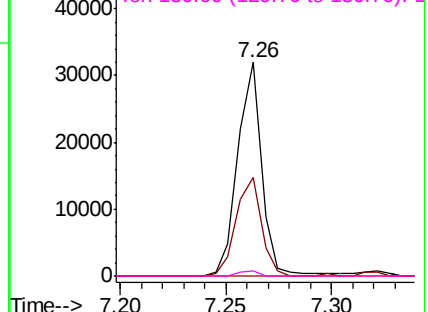
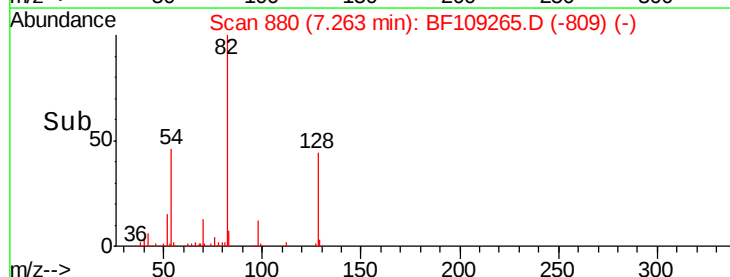
42 46.3 47.5 71.3#

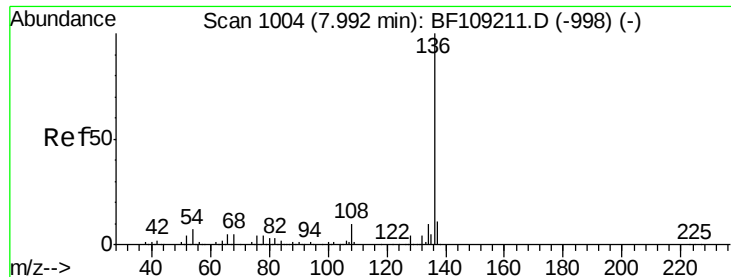
101 0.0 7.4 11.2#

130 2.3 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# 1003

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 507788

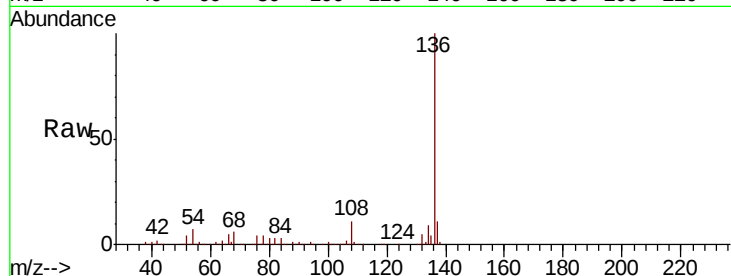
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 6.6 9.8

68 6.0 5.0 7.4

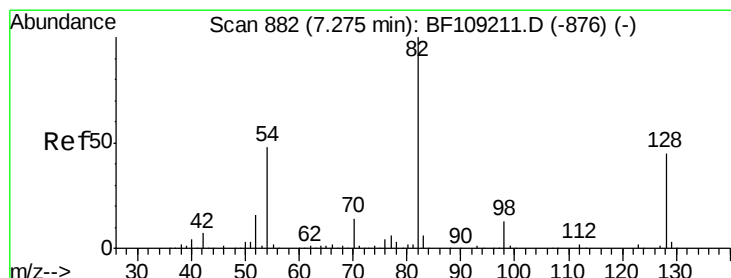
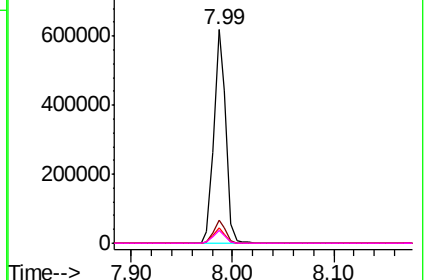
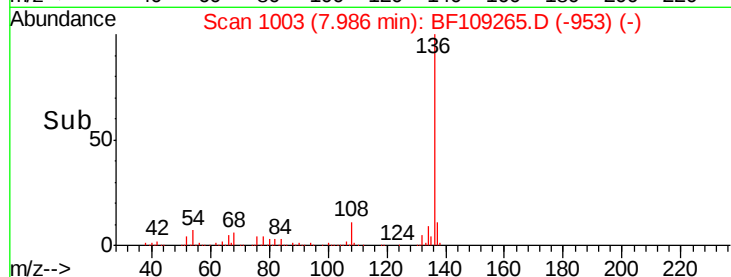


Abundance Ion 136.00 (135.70 to 136.70): E

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: 22.020 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

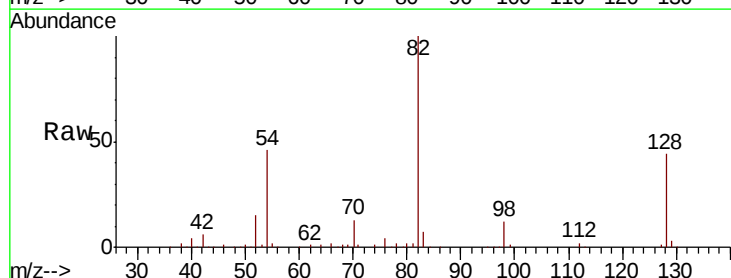
Tgt Ion: 82 Resp: 189413

Ion Ratio Lower Upper

82 100

128 43.7 36.1 54.1

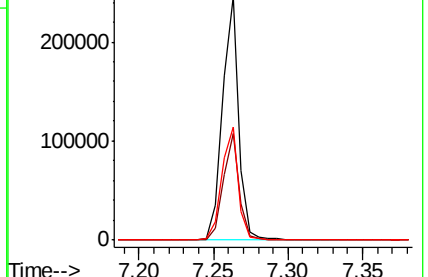
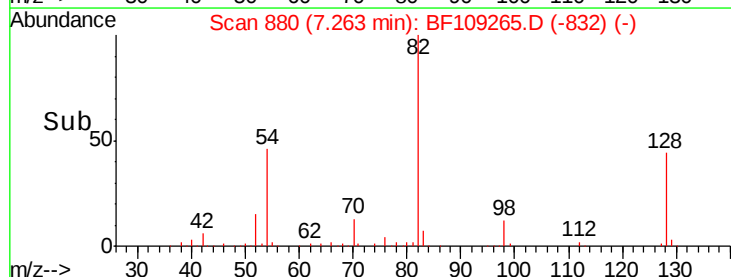
54 46.3 41.4 62.2

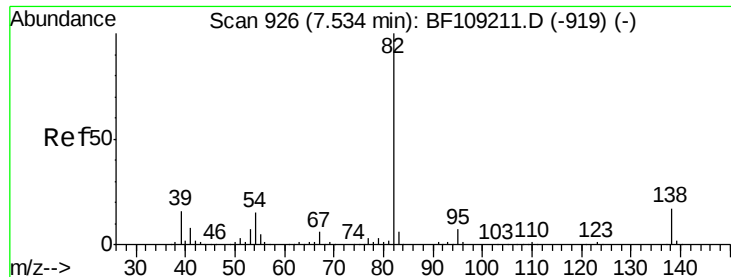


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 11.271 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

ClientSampleId :

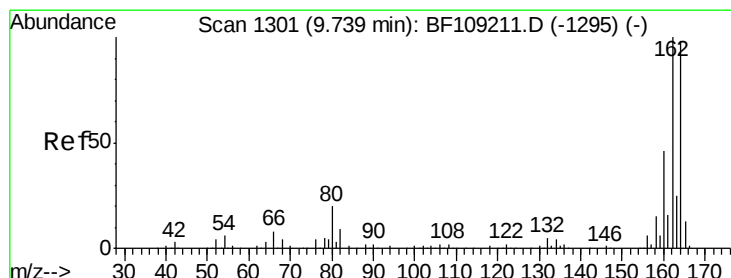
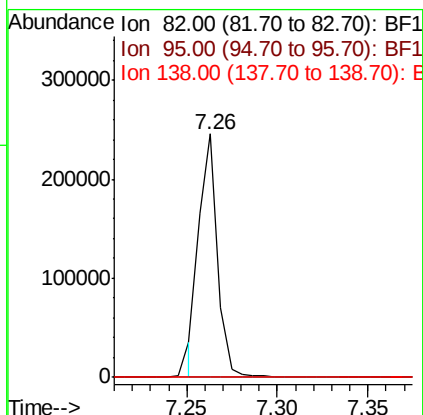
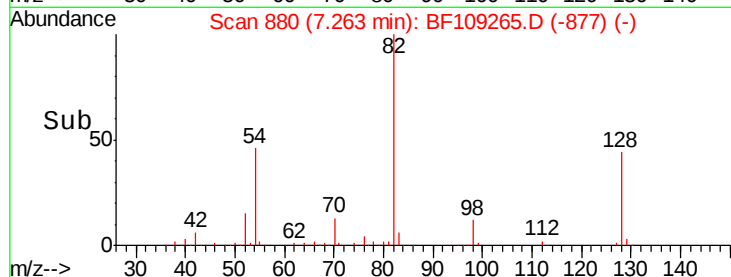
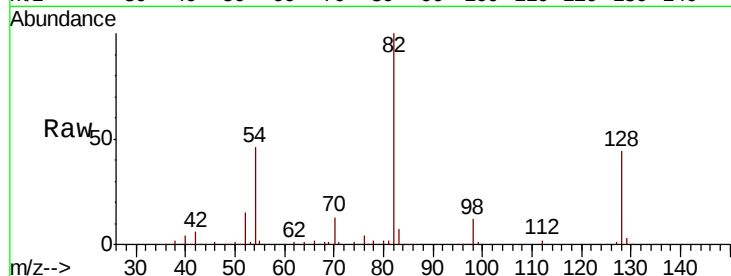
Tot Ion: 82 Resp: 174590

Ion Ratio Lower Upper

82 100

95 0.1 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: BF109265.D

Acq: 24 Sep 2018 14:15

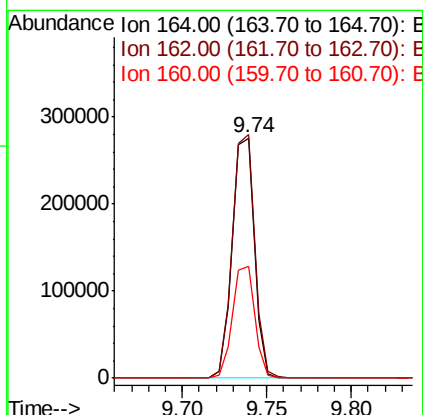
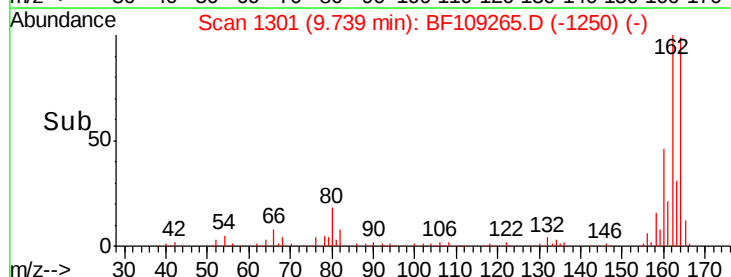
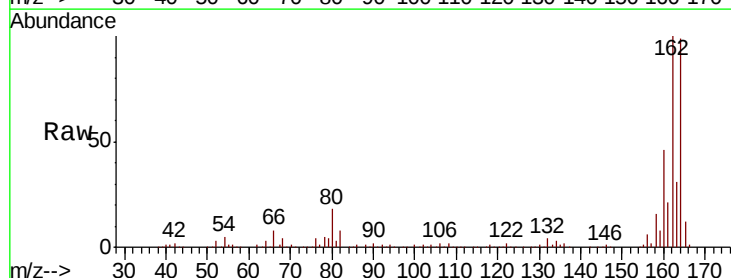
Tgt Ion: 164 Resp: 249170

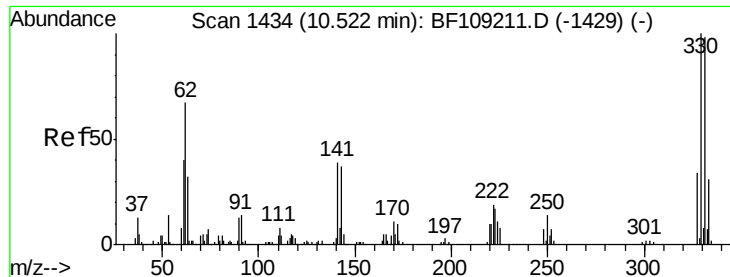
Ion Ratio Lower Upper

164 100

162 101.5 86.1 129.1

160 46.4 38.3 57.5

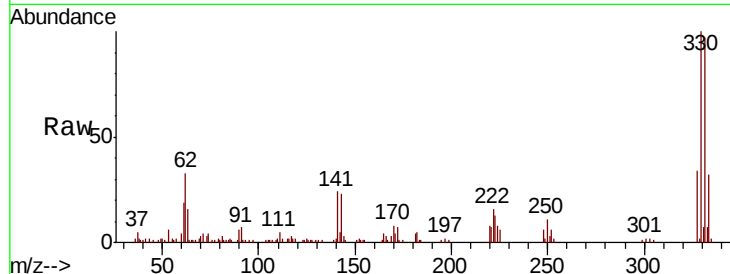




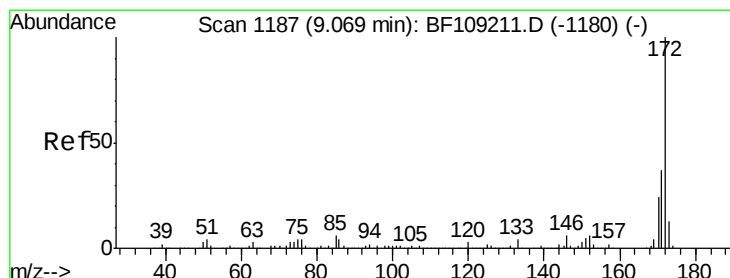
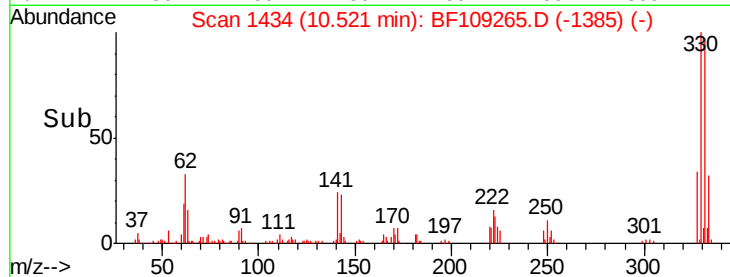
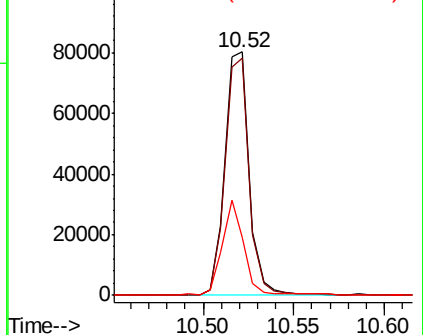
#41
 2,4,6-Tribromophenol
 Concen: 30.741 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 75508
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 34.5 29.9 44.9

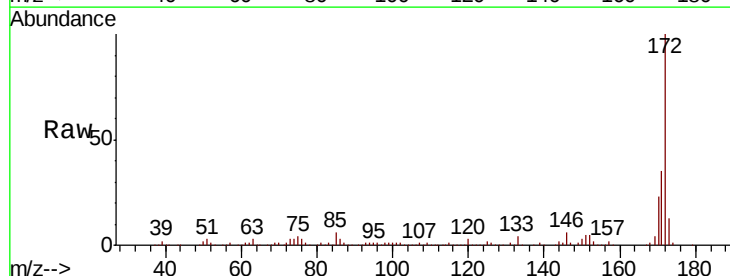


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

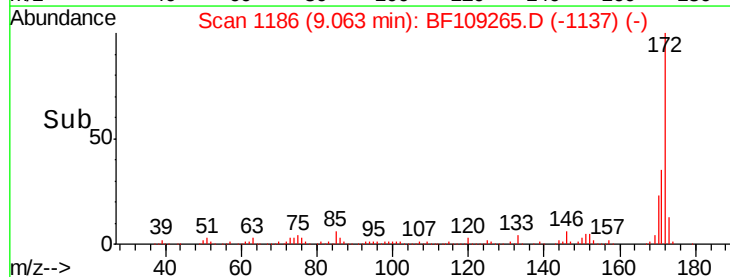
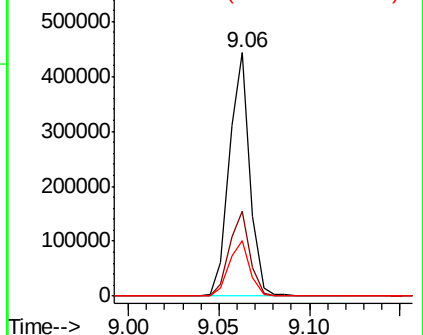


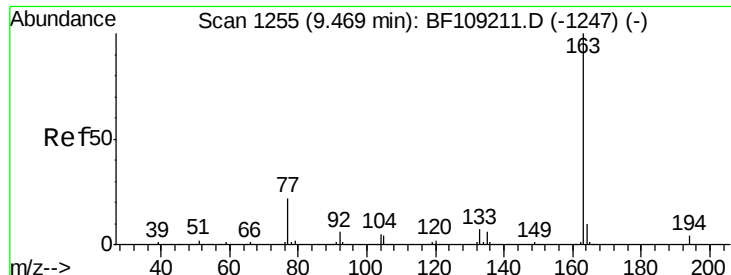
#44
 2-Fluorobiphenyl
 Concen: 21.139 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Tgt Ion:172 Resp: 349233
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.0 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

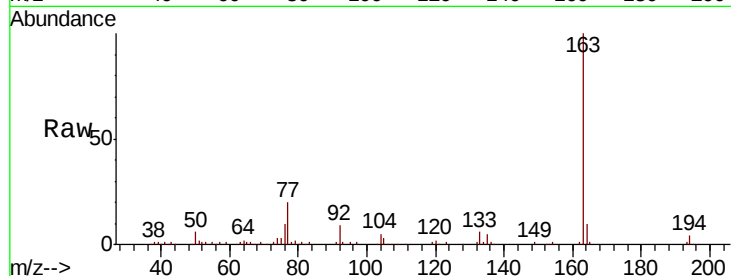




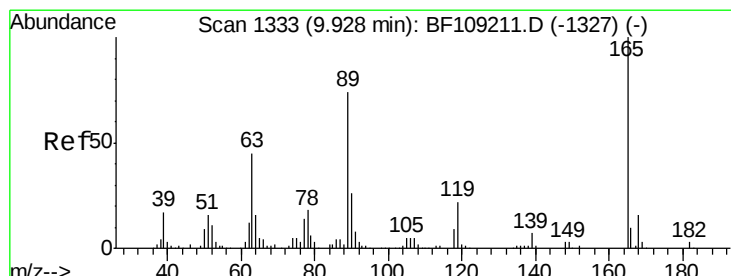
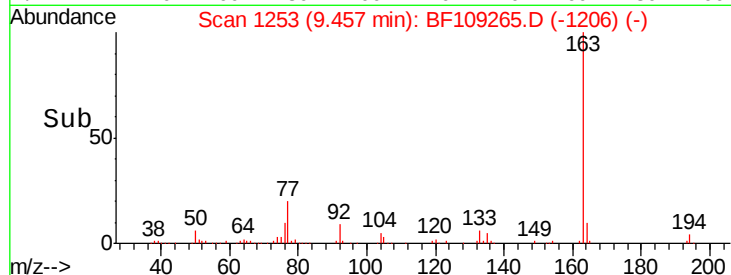
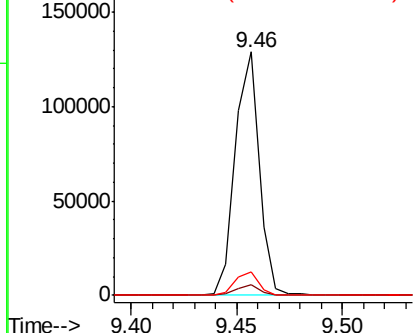
#49
Dimethylphthalate
Concen: 5.577 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 101073
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.6 8.2 12.2

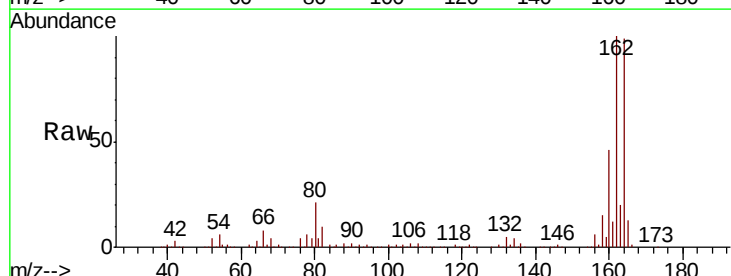


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

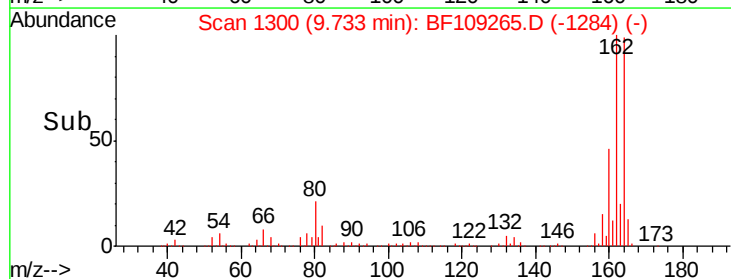
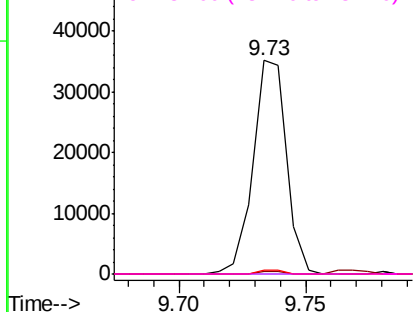


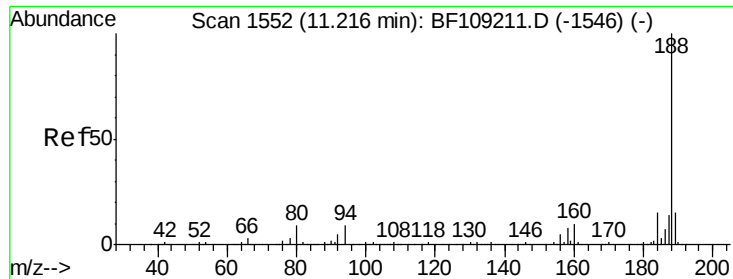
#56
2,4-Dinitrotoluene
Concen: 7.119 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion:165 Resp: 32333
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

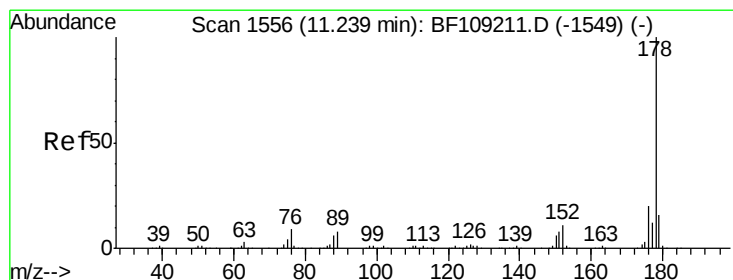
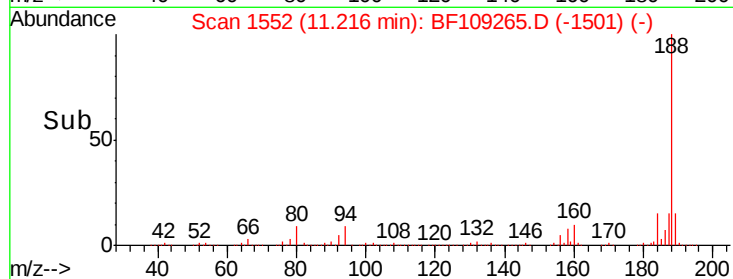
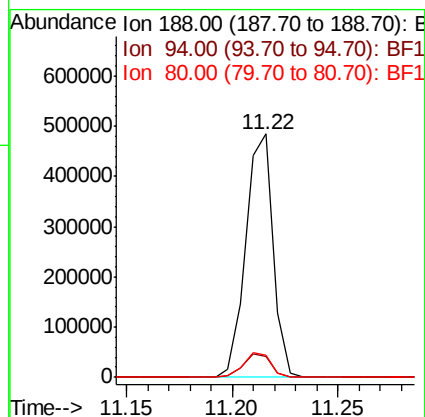
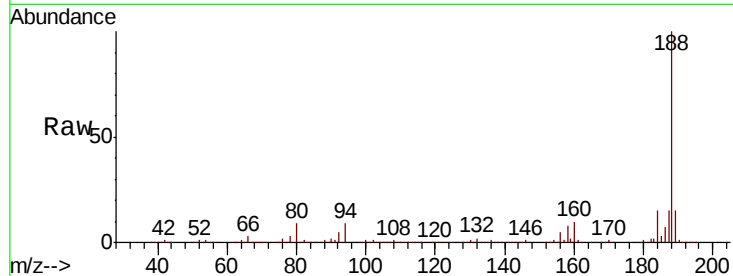




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

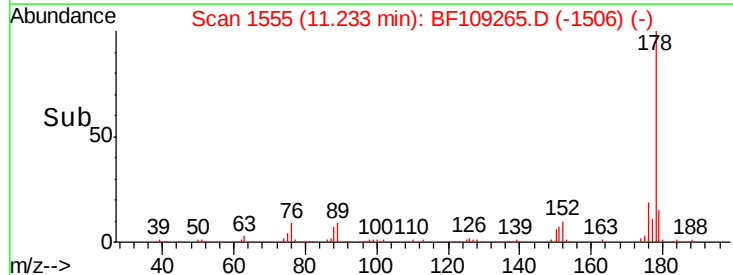
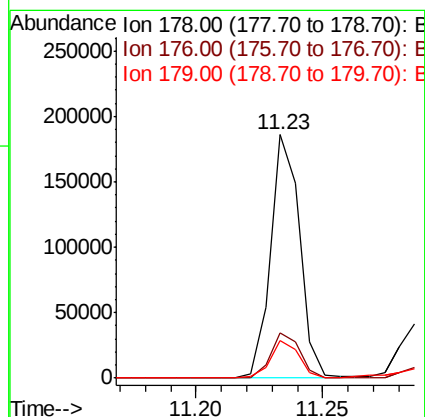
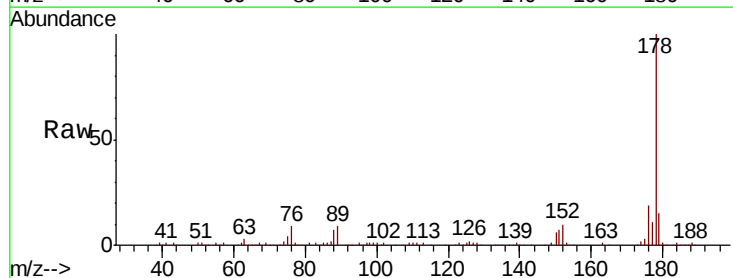
Instrument :
BNA_F
ClientSampleId :

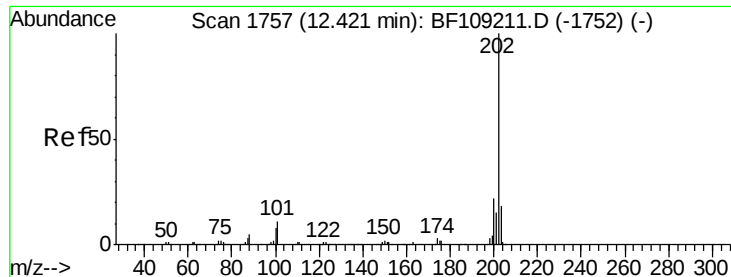
Tot Ion:188 Resp: 434022
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 9.1 9.2 13.8#



#70
Phenanthrene
Concen: 6.909 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion:178 Resp: 149728
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.4 13.0 19.6





#74

Fluoranthene

Concen: 9.397 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

ClientSampleId :

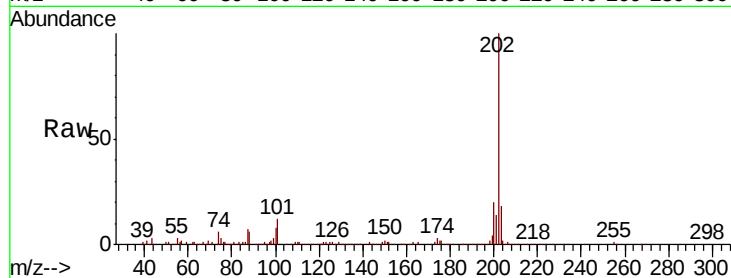
Tot Ion:202 Resp: 217631

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

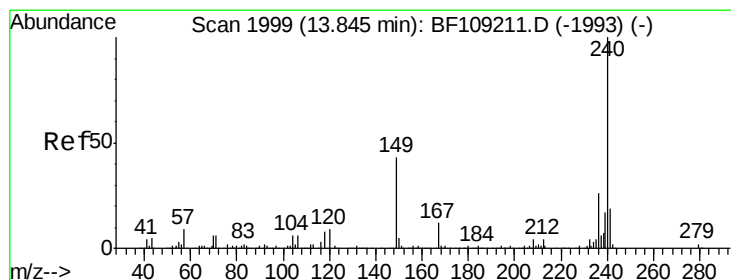
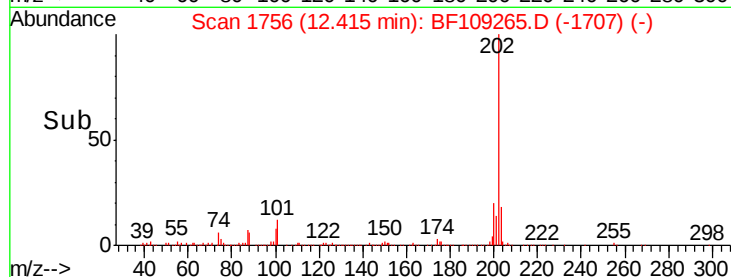
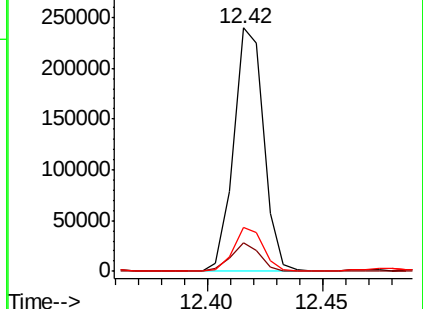
203 17.8 0.0 38.1



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# 1998

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

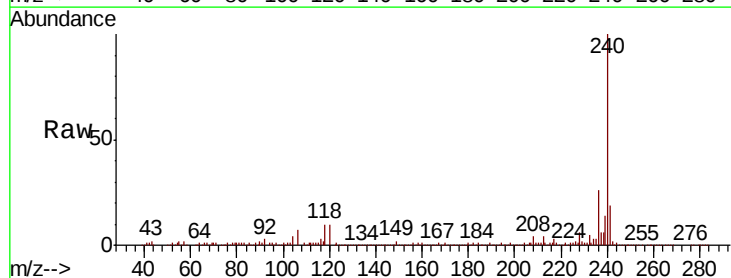
Tgt Ion:240 Resp: 325445

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

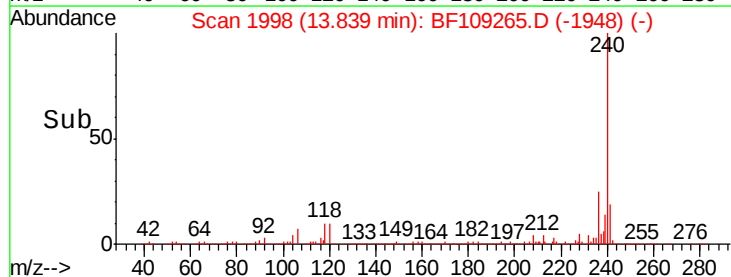
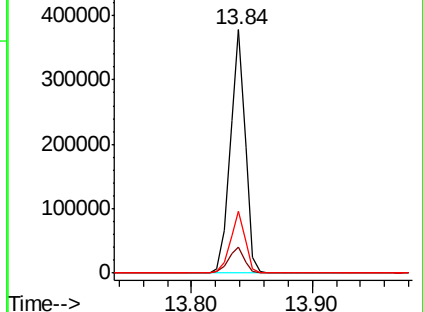
236 25.6 20.7 31.1

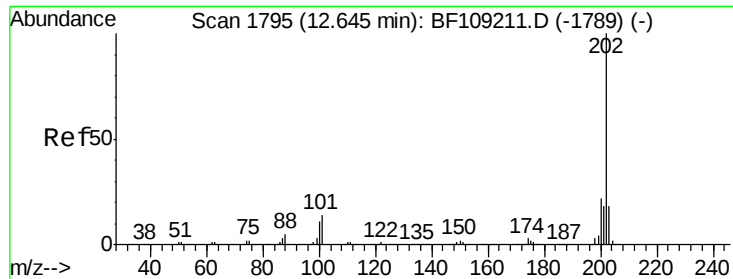


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

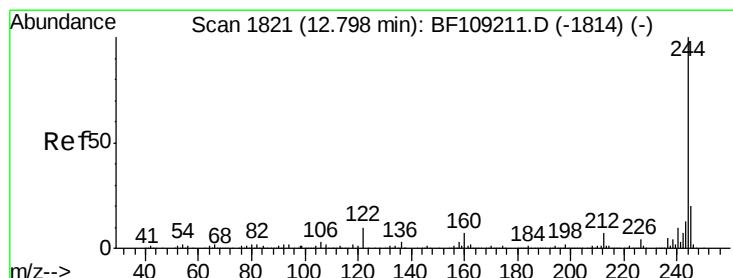
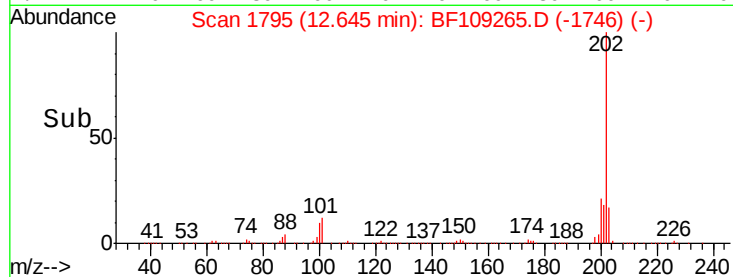
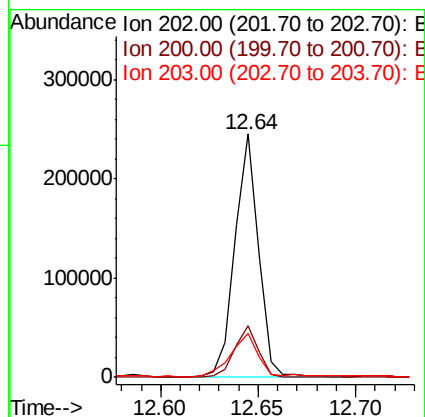
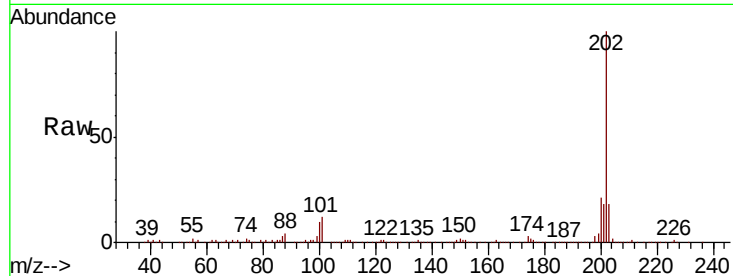




#77
Pvrene
Concen: 8.761 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

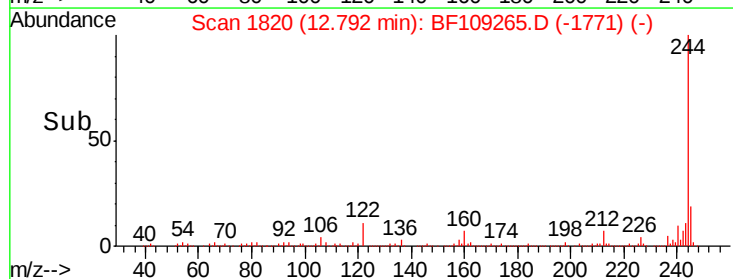
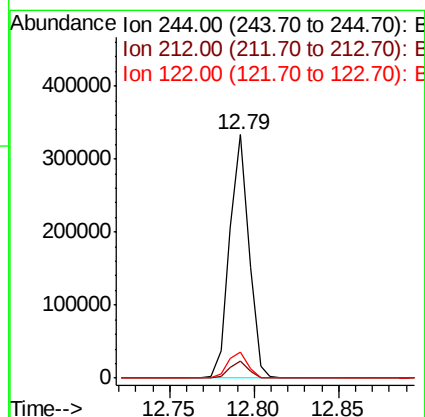
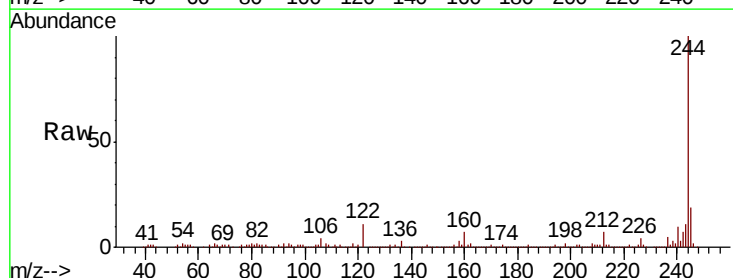
Instrument :
BNA_F
ClientSampleId :

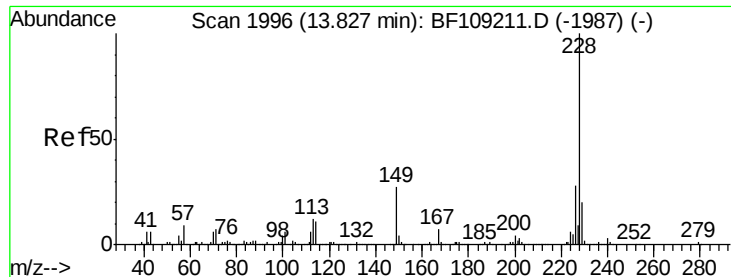
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.8	14.3	21.5



#78
Terphenyl-d14
Concen: 19.916 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.9	11.0	16.4





#80

Benzo(a)anthracene

Concen: 5.001 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

Instrument :

BNA_F

ClientSampled :

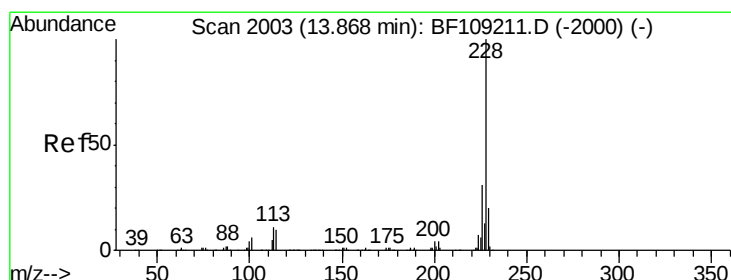
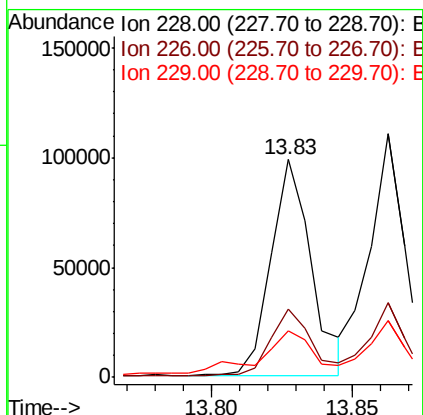
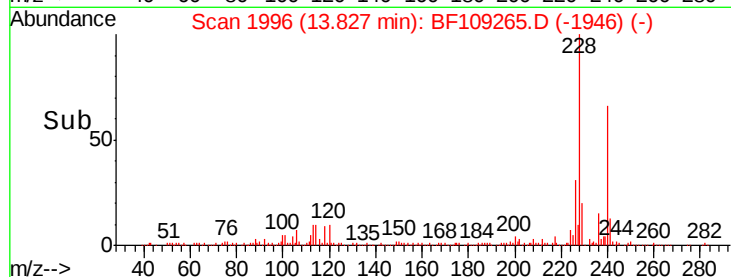
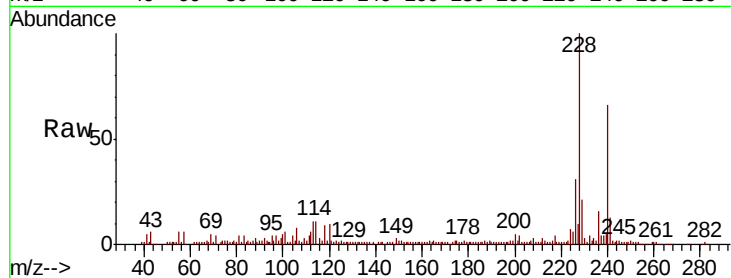
Tot Ion:228 Resp: 98033

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

229 21.4 15.8 23.6



#82

Chrysene

Concen: 4.873 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109265.D

Acq: 24 Sep 2018 14:15

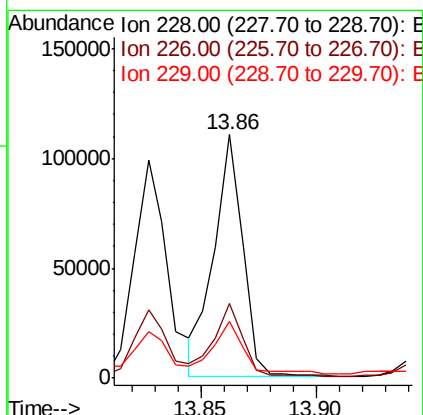
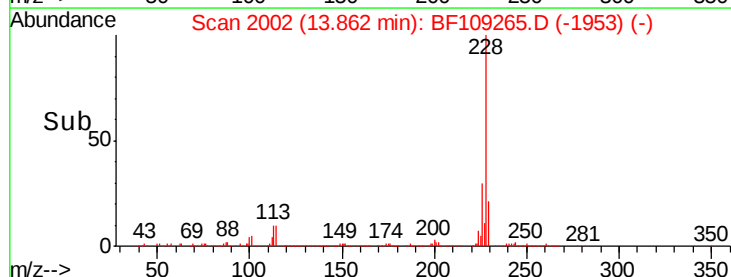
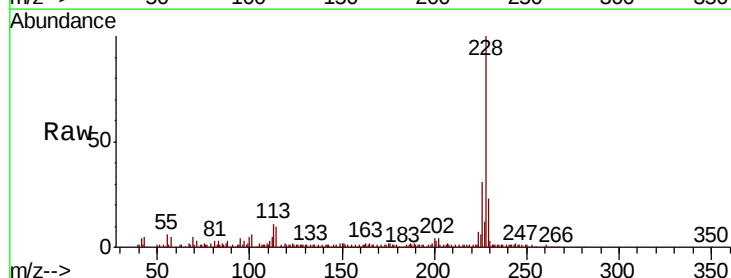
Tgt Ion:228 Resp: 94671

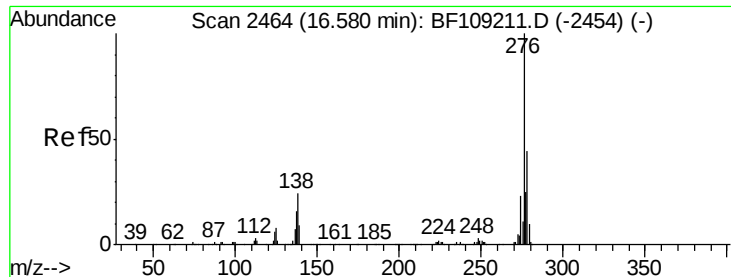
Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 23.2 16.2 24.4

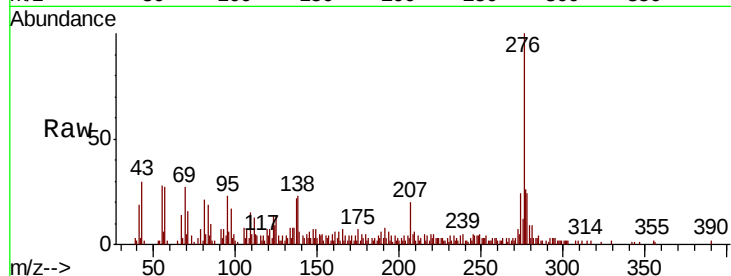




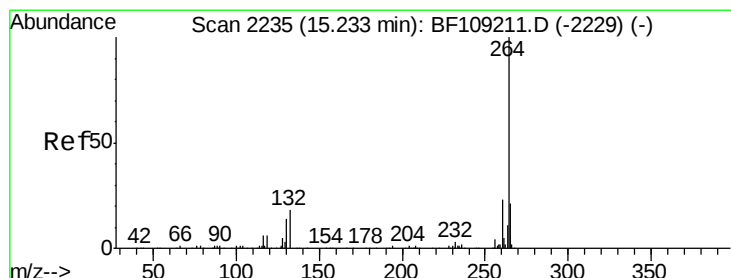
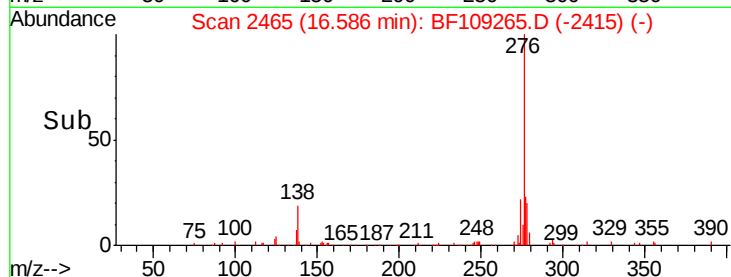
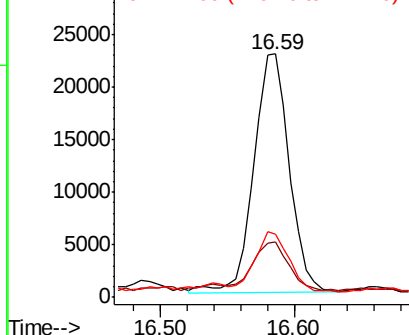
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.641 ng
 RT: 16.59 min Scan# 2465
 Delta R.T. -0.01 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 41593
 Ion Ratio Lower Upper
 276 100
 138 20.1 25.0 37.6#
 277 24.1 20.1 30.1

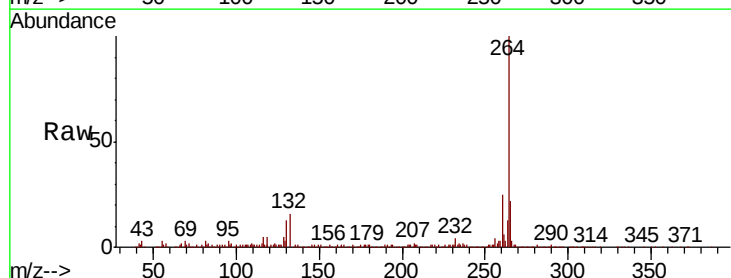


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

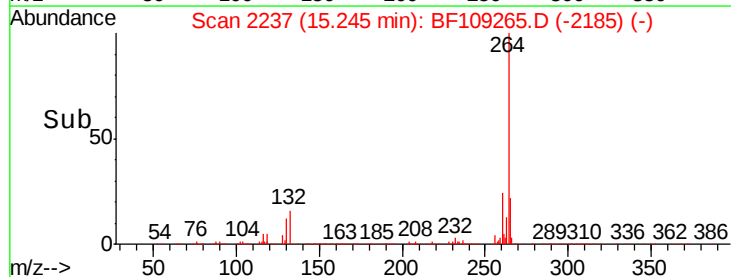
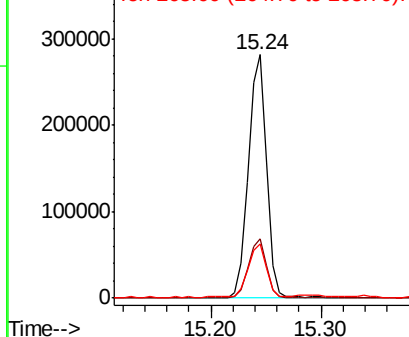


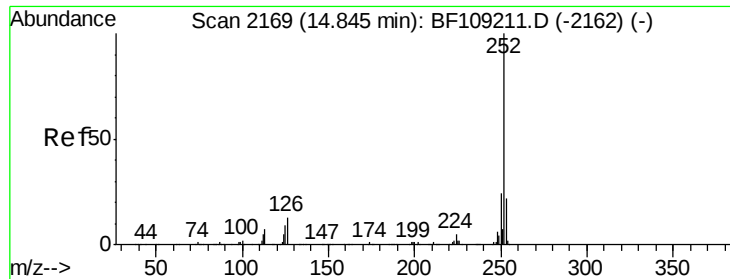
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109265.D
 Acq: 24 Sep 2018 14:15

Tgt Ion:264 Resp: 324914
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 22.4 17.5 26.3



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

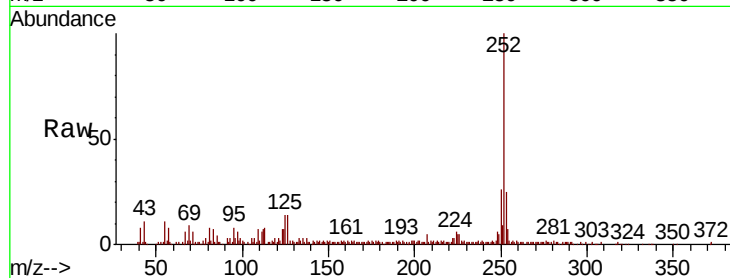




#87
Benzo(b)fluoranthene
Concen: 8.776 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	13.7	9.0	13.6

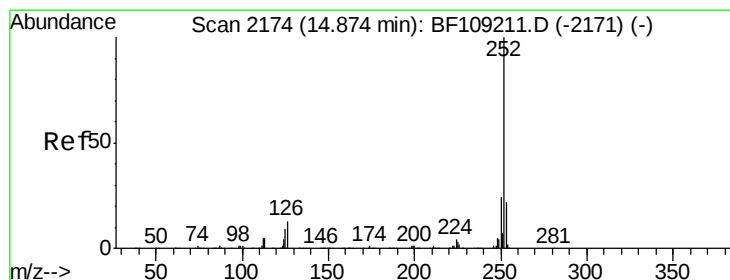
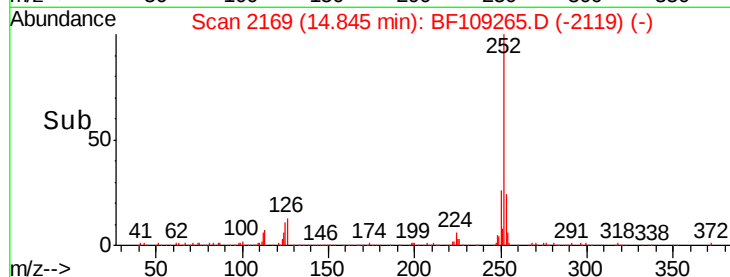
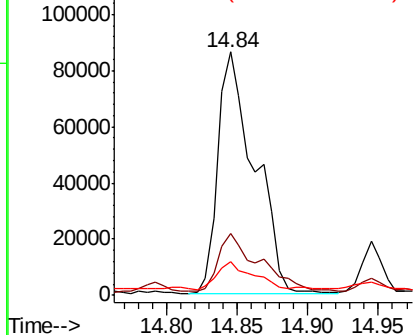


Abundance

Ion 252.00 (251.70 to 252.70): E

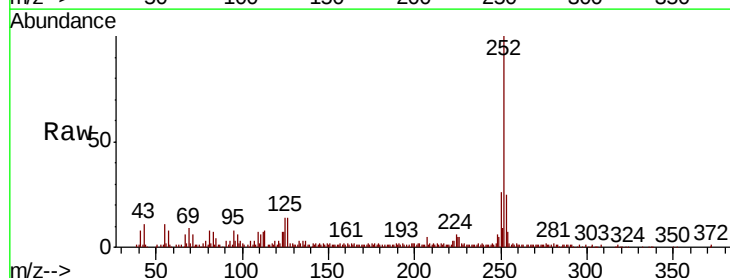
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 9.248 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	13.7	10.2	15.2

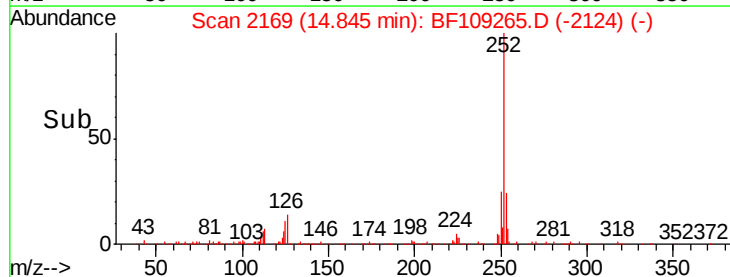
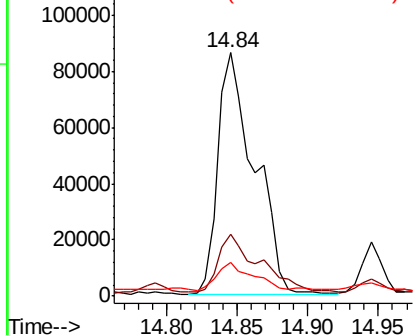


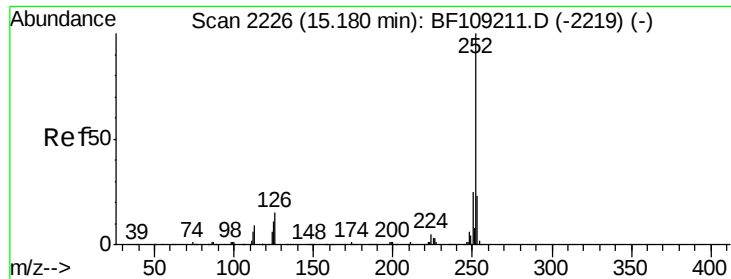
Abundance

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

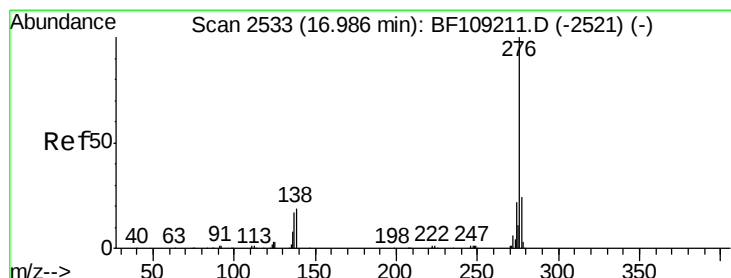
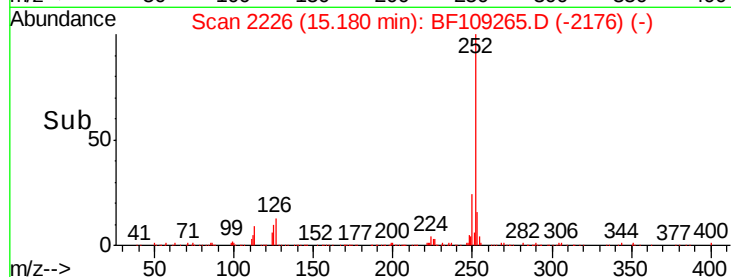
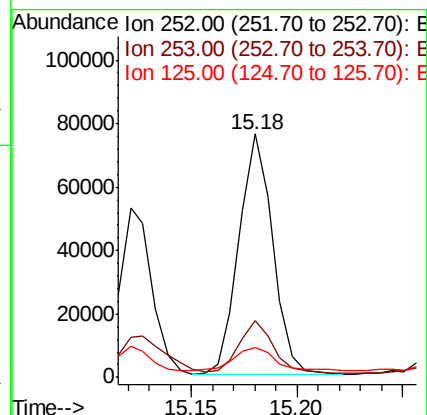
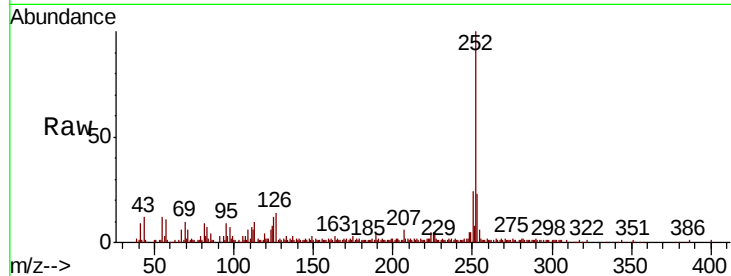




#89
Benzo(a)pyrene
Concen: 5.216 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 83918
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 12.5 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 3.070 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF109265.D
Acq: 24 Sep 2018 14:15

Tgt Ion:276 Resp: 39818
Ion Ratio Lower Upper
276 100
277 28.1 17.9 26.9#
138 19.4 21.8 32.8#

