

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101118\
 Data File : BF109808.D
 Acq On : 12 Oct 2018 1:17
 Operator : JU/SJ
 Sample : J5314-04 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-21

Quant Time: Oct 12 04:29:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	56616	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	239206	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	100136	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	202470	20.00	ng	0.00
75) Chrysene-d12	13.83	240	200601	20.00	ng	0.00
86) Perylene-d12	15.23	264	149437	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	50083	15.70	ng	0.00
7) Phenol-d6	6.35	99	81547	19.14	ng	-0.01
23) Nitrobenzene-d5	7.26	82	54528	12.57	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	22885	20.97	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	103410	14.22	ng	-0.01
78) Terphenyl-d14	12.77	244	114037	11.00	ng	-0.01

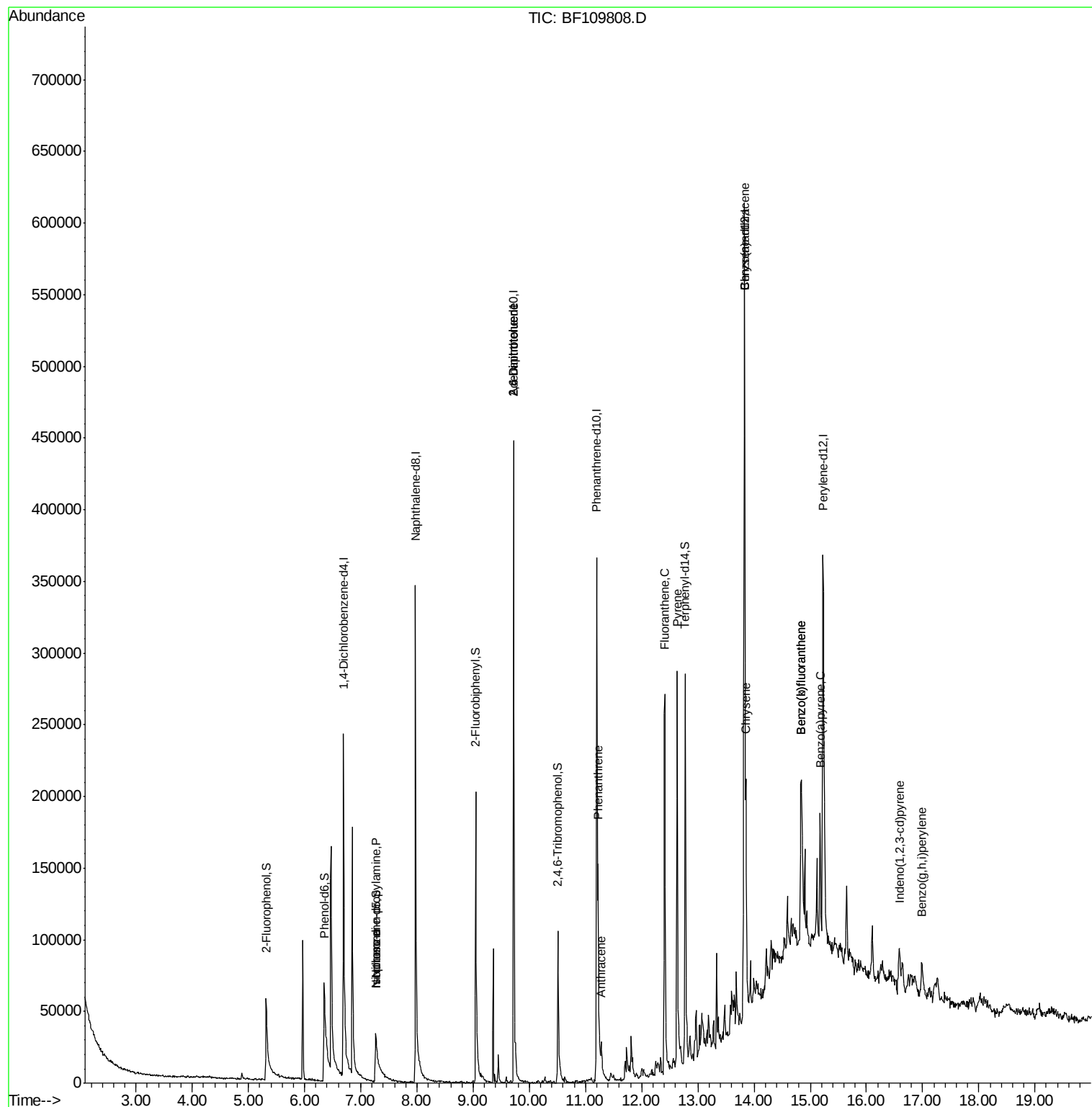
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	6228	2.084	ng	# 76
25) Isophorone	7.26	82	54528	7.567	ng	# 67
50) 2,6-Dinitrotoluene	9.72	165	12258	7.700	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	12258	6.170	ng	# 17
70) Phenanthrene	11.23	178	59432	5.866	ng	99
71) Anthracene	11.28	178	23496	2.243	ng	95
74) Fluoranthene	12.41	202	144963	13.695	ng	97
77) Pyrene	12.63	202	129866	8.836	ng	99
80) Benzo(a)anthracene	13.82	228	77523	7.003	ng	95
82) Chrysene	13.86	228	63398	5.452	ng	97
85) Indeno(1,2,3-cd)pyrene	16.58	276	26472	3.181	ng	# 93
87) Benzo(b)fluoranthene	14.84	252	94387	11.430	ng	96
88) Benzo(k)fluoranthene	14.84	252	94387	11.375	ng	# 95
89) Benzo(a)pyrene	15.17	252	47266	6.307	ng	100
91) Benzo(g,h,i)perylene	16.99	276	26182	4.260	ng	97

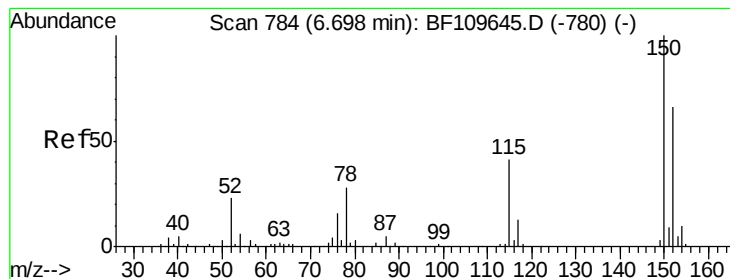
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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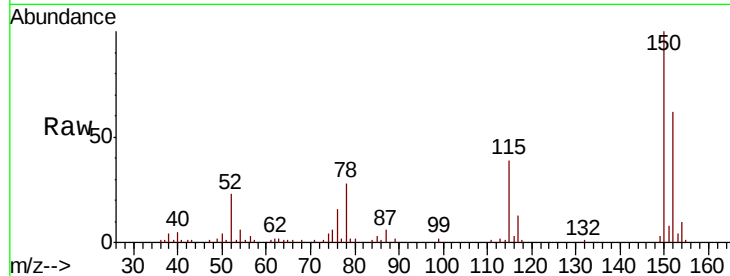




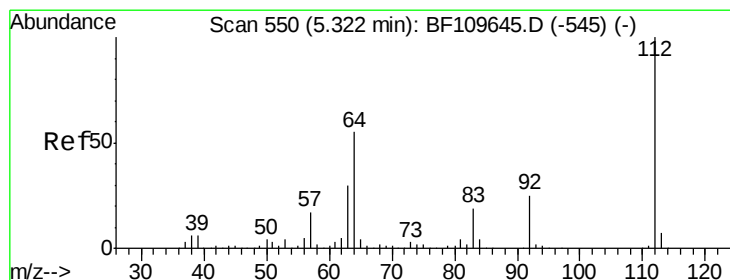
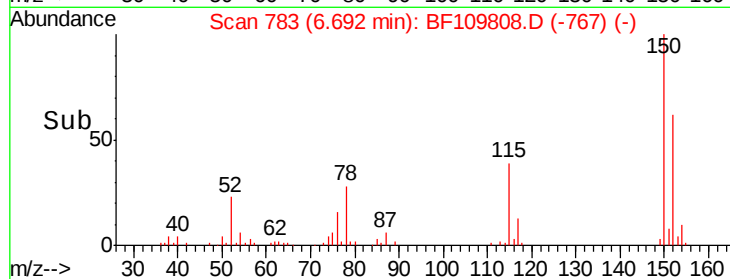
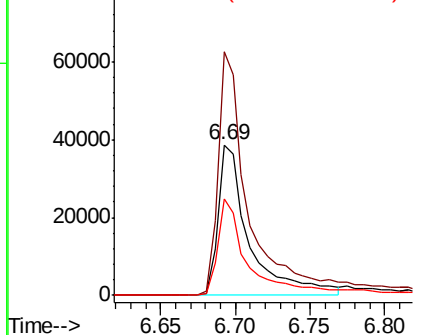
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

Instrument :
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 ClientSampleId :
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Tgt Ion:152 Resp: 56616
 Ion Ratio Lower Upper
 152 100
 150 161.7 122.7 184.1
 115 63.6 49.1 73.7

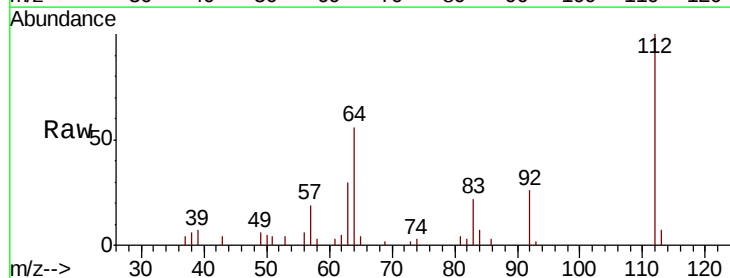


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

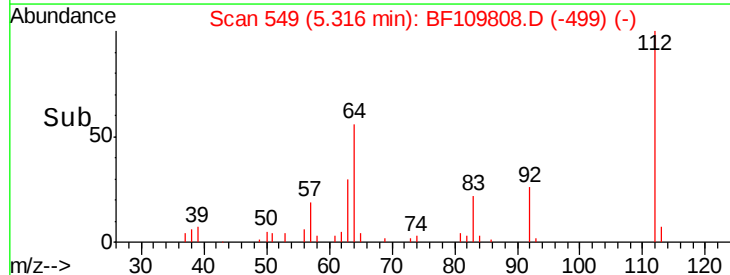
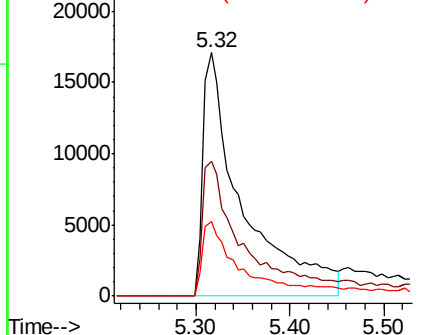


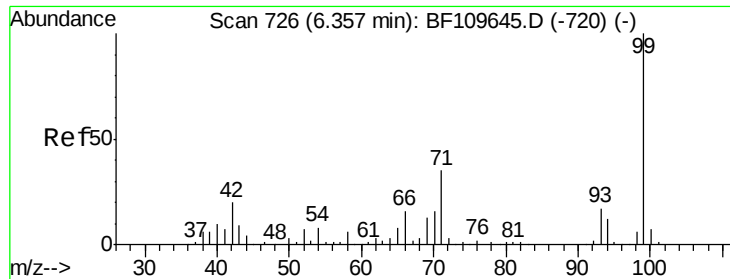
#5
 2-Fluorophenol
 Concen: 15.702 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

Tgt Ion:112 Resp: 50083
 Ion Ratio Lower Upper
 112 100
 64 55.6 44.1 66.1
 63 30.5 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: 19.138 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

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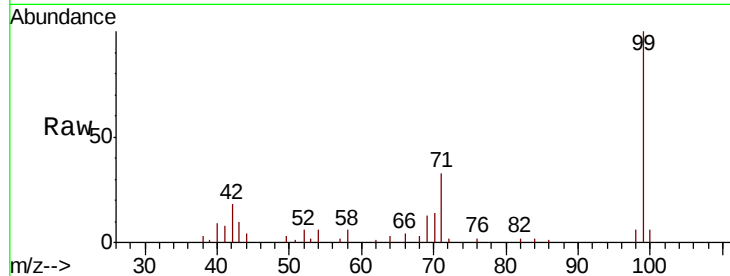
Tgt Ion: 99 Resp: 81547

Ion Ratio Lower Upper

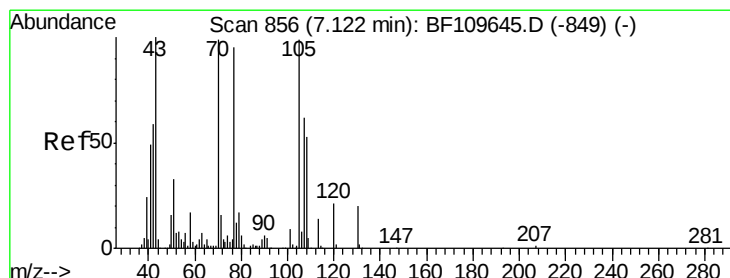
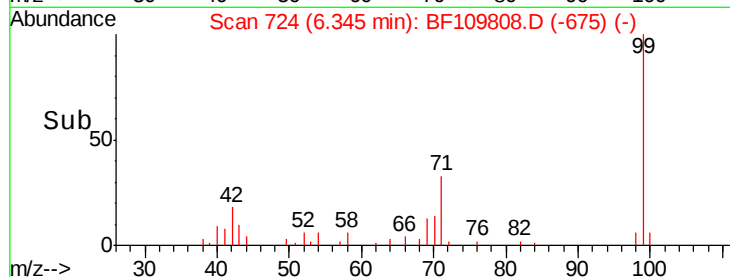
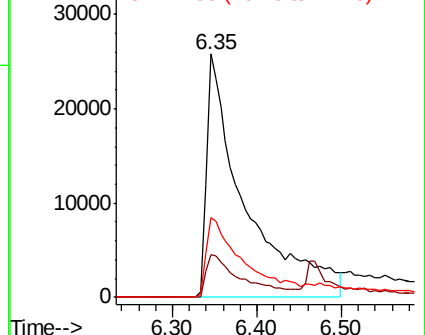
99 100

42 17.7 15.8 23.6

71 32.6 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.084 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

Tgt Ion: 70 Resp: 6228

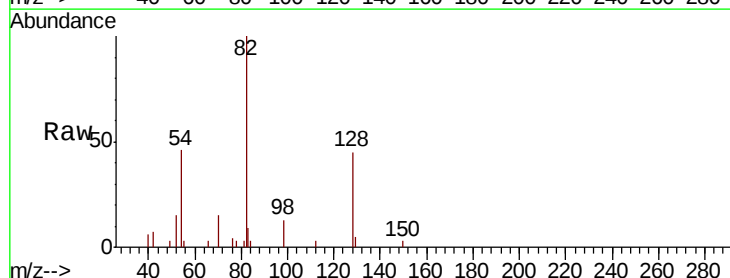
Ion Ratio Lower Upper

70 100

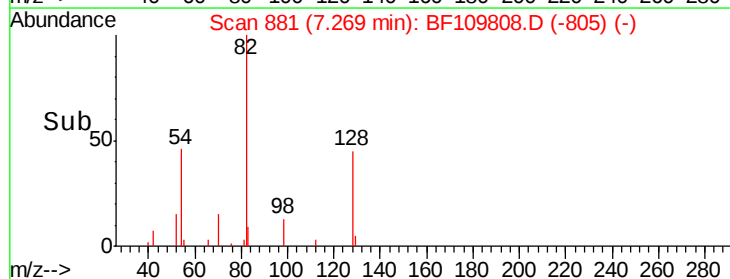
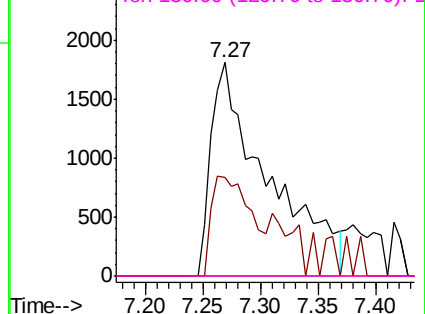
42 46.1 47.4 71.2#

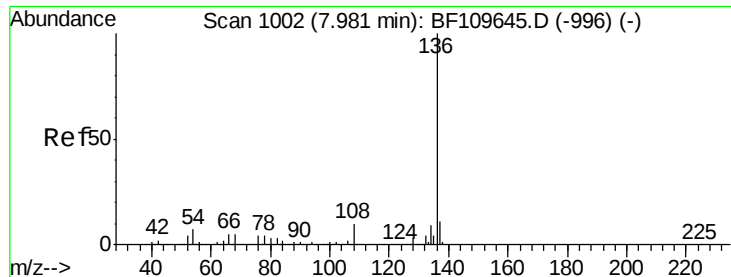
101 0.0 7.3 10.9#

130 0.0 16.2 24.2#



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

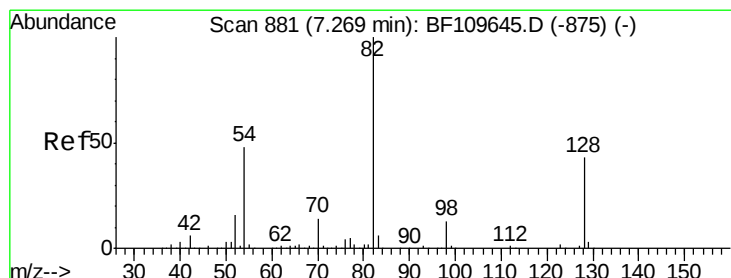
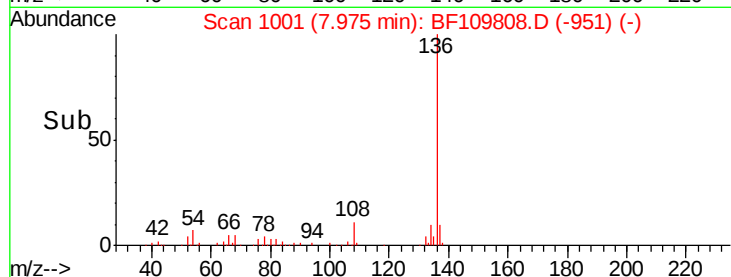
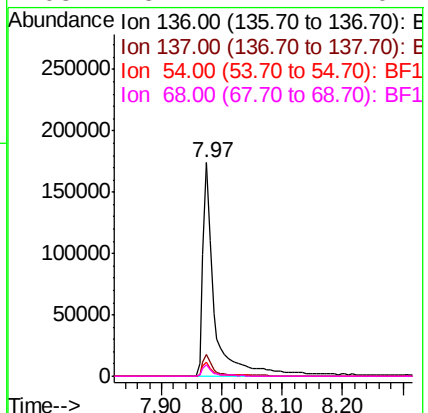
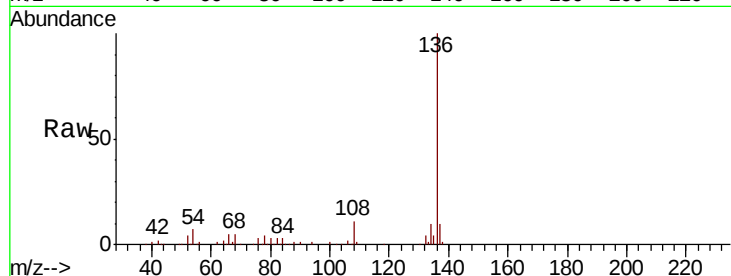




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

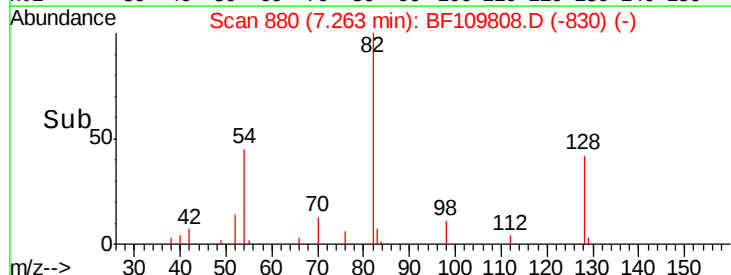
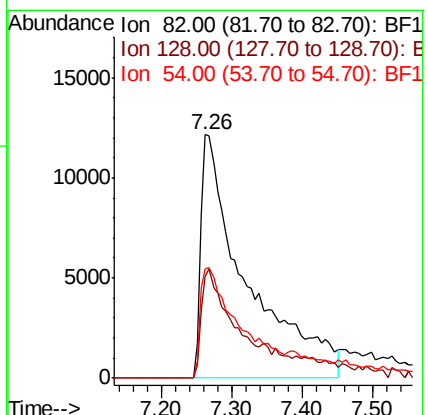
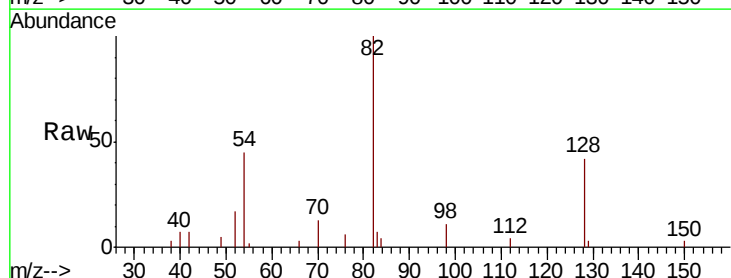
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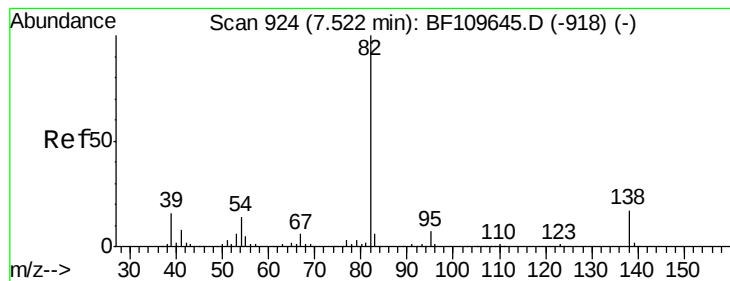
Tgt Ion:	136	Resp:	239206
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	6.8	5.4	8.2
68	5.1	4.2	6.2



#23
Nitrobenzene-d5
Concen: 12.566 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:	82	Resp:	54528
Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.2	51.2
54	44.9	38.6	58.0





#25

Isophorone

Concen: 7.567 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-21

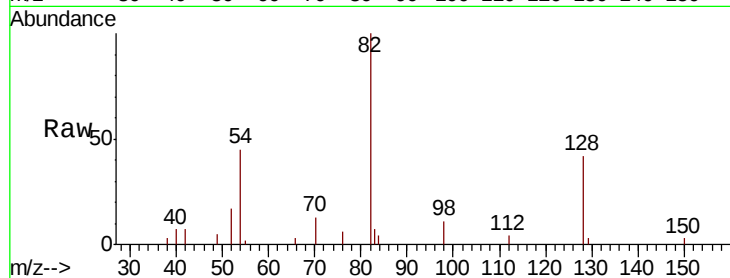
Tgt Ion: 82 Resp: 54528

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

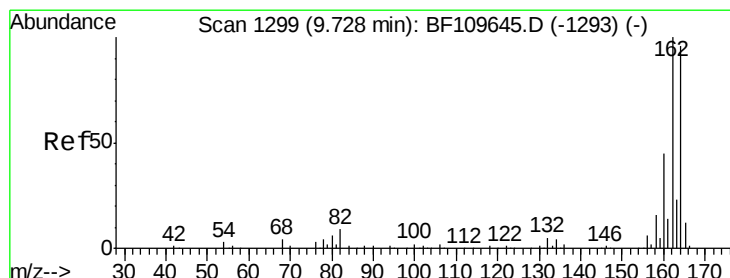
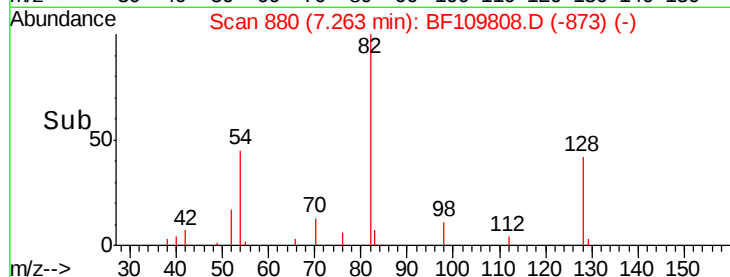
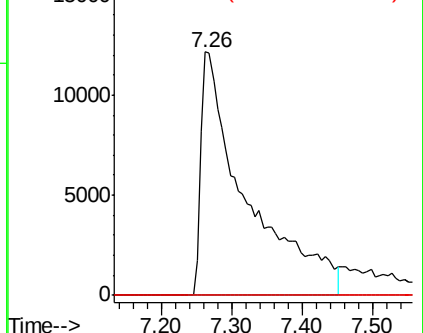
138 0.0 13.2 19.8#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

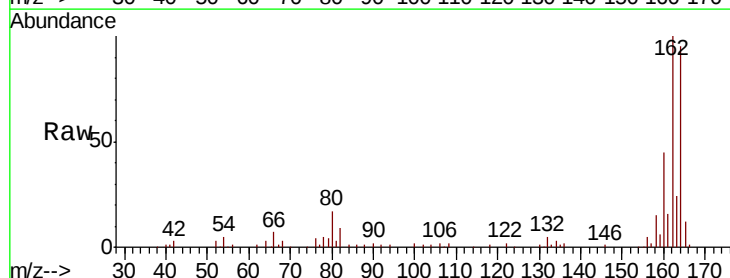
Tgt Ion: 164 Resp: 100136

Ion Ratio Lower Upper

164 100

162 105.6 83.0 124.6

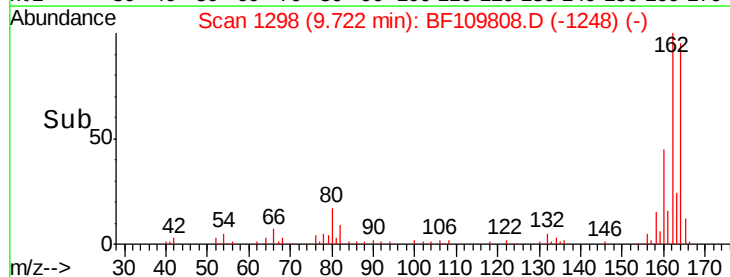
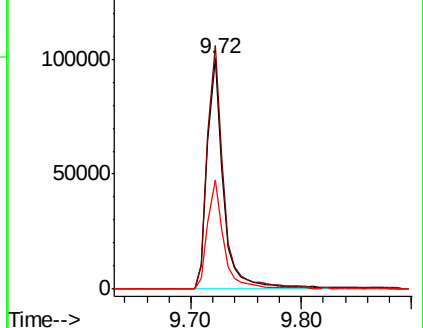
160 47.3 37.0 55.6

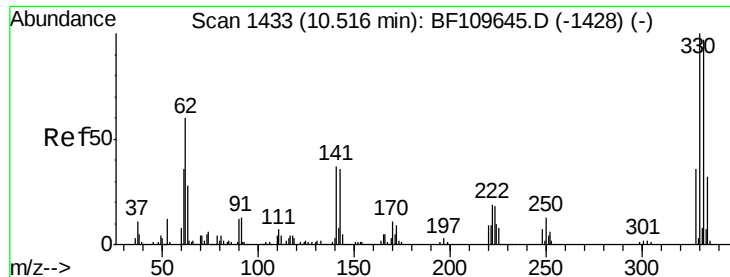


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

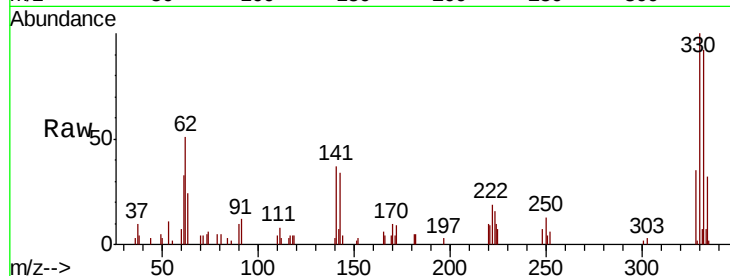




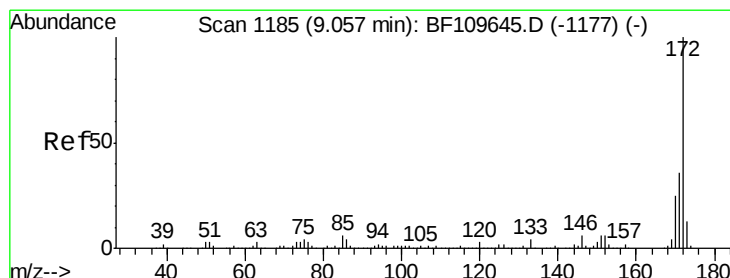
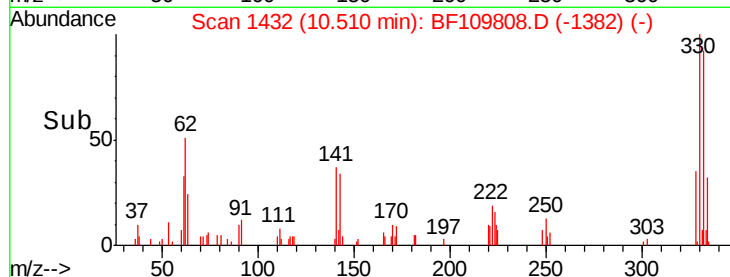
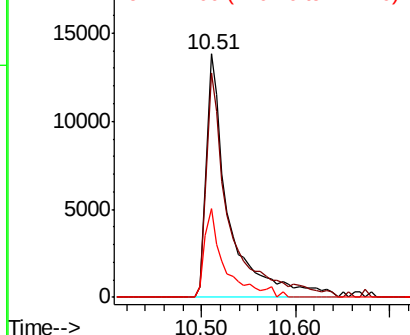
#41
 2,4,6-Tribromophenol
 Concen: 20.974 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

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Tgt Ion:330 Resp: 22885
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.1 115.7
 141 32.8 27.0 40.4

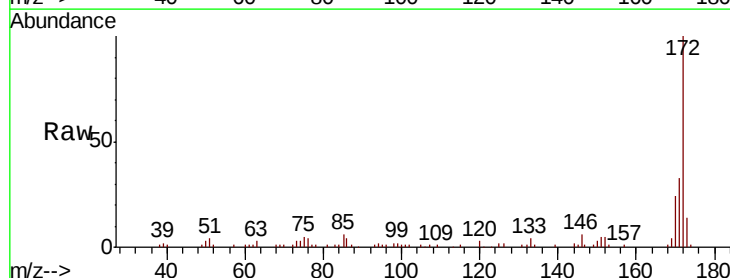


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

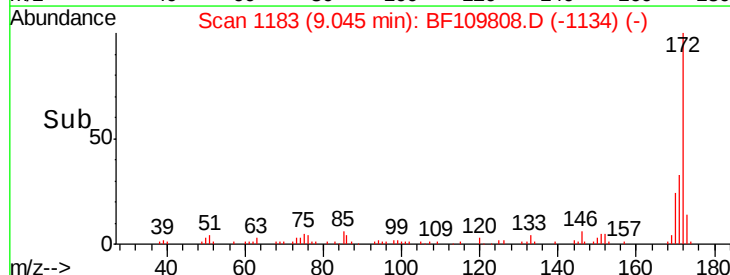
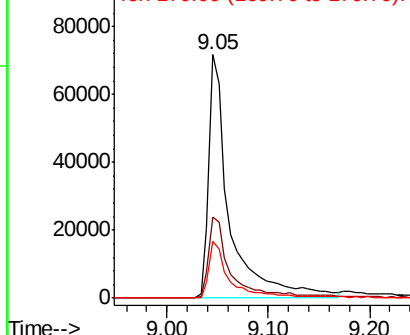


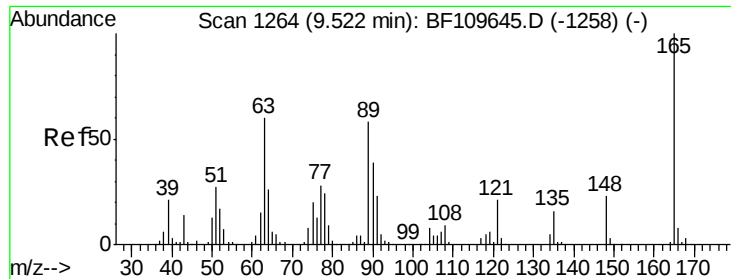
#44
 2-Fluorobiphenyl
 Concen: 14.223 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

Tgt Ion:172 Resp: 103410
 Ion Ratio Lower Upper
 172 100
 171 33.1 28.6 43.0
 170 23.5 19.7 29.5



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

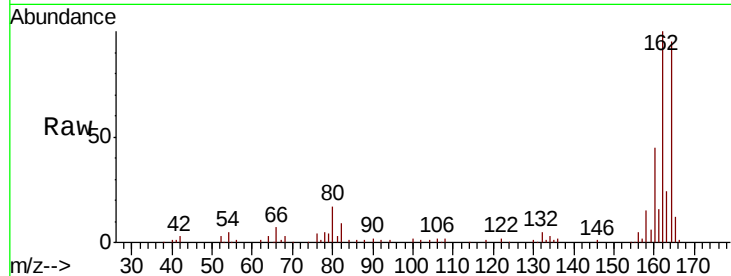




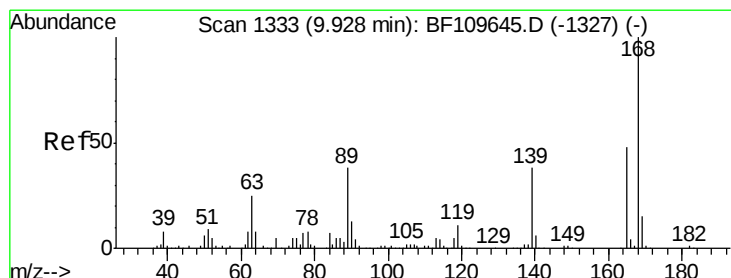
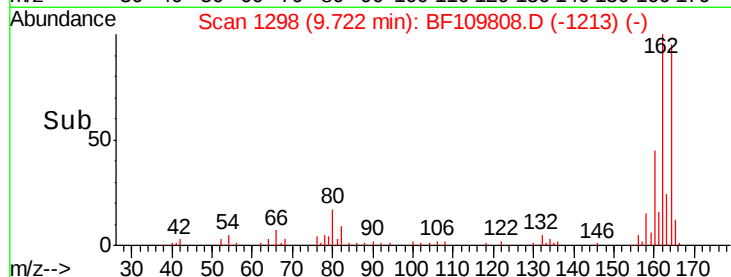
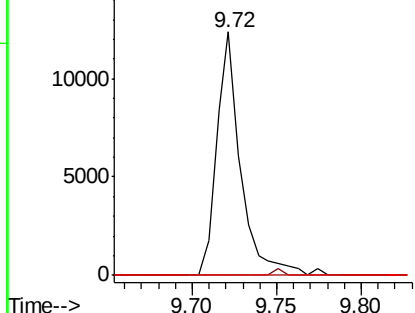
#50
 2,6-Dinitrotoluene
 Concen: 7.700 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

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 BNA_F
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#

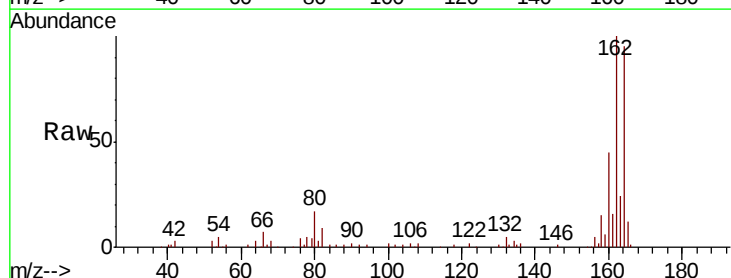


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

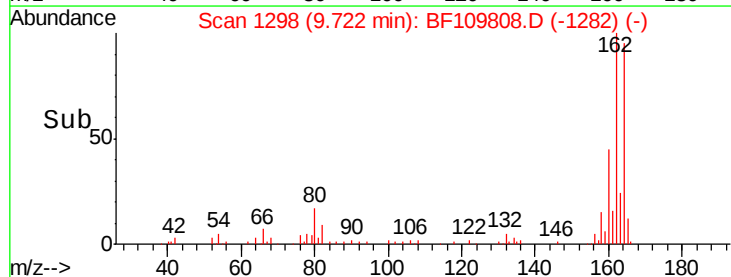
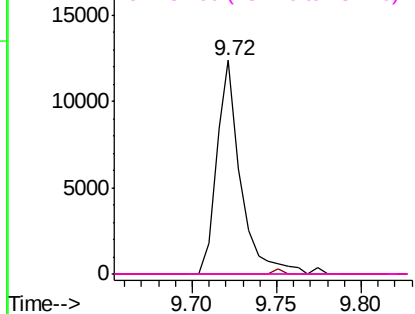


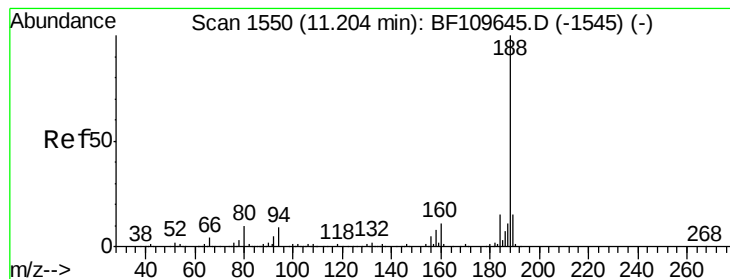
#56
 2,4-Dinitrotoluene
 Concen: 6.170 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

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



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

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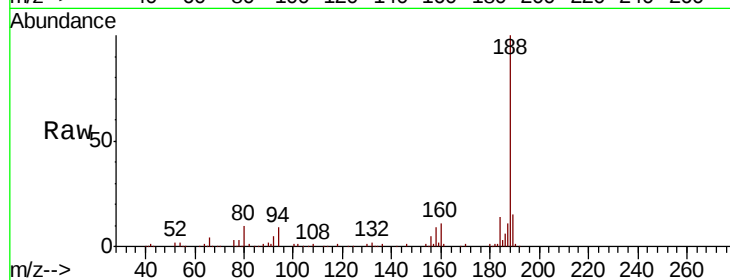
Tgt Ion:188 Resp: 202470

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

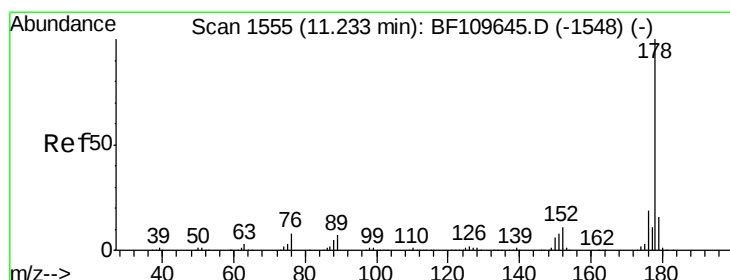
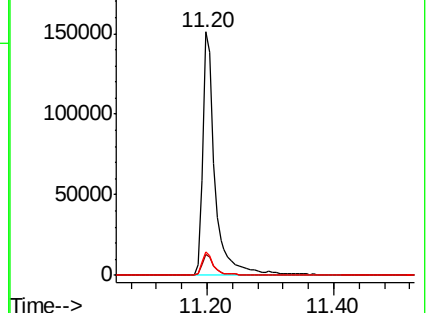
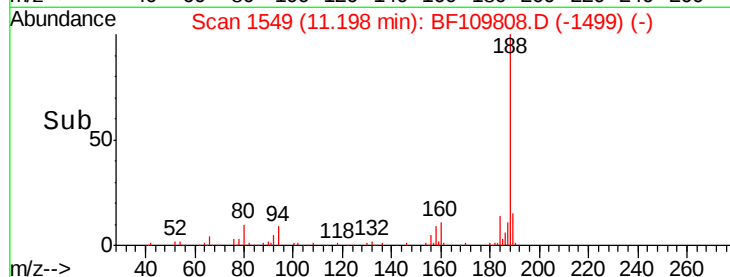
80 9.8 7.9 11.9



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



#70

Phenanthrene

Concen: 5.866 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

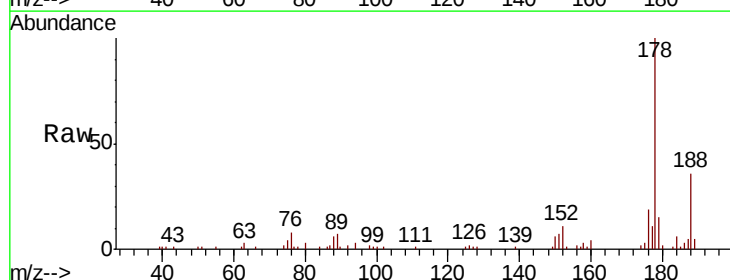
Tgt Ion:178 Resp: 59432

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

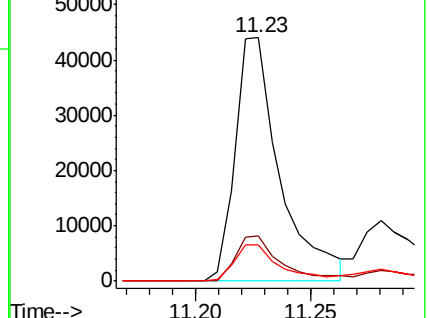
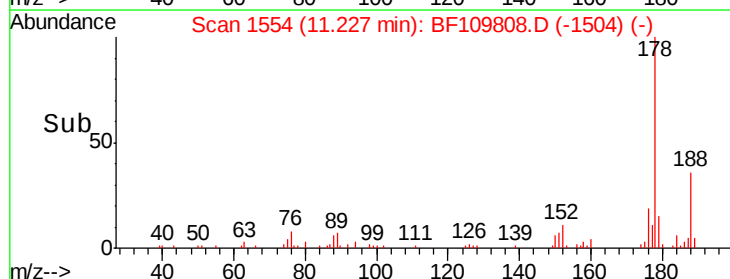
179 15.0 12.5 18.7

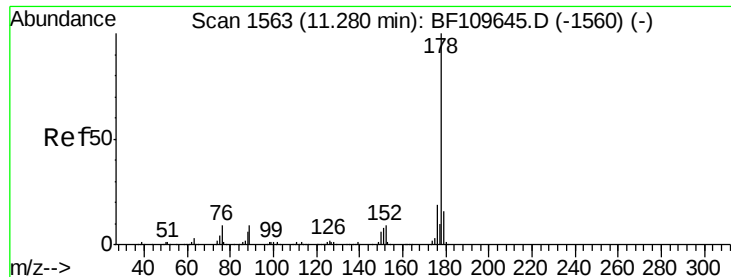


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

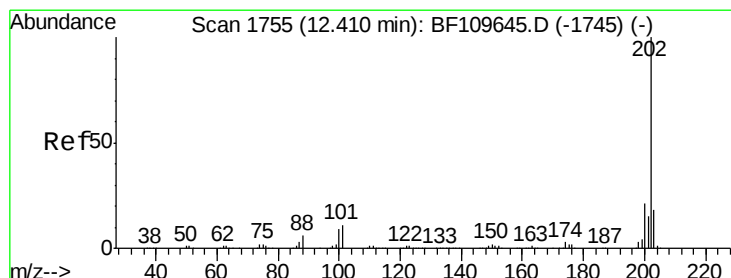
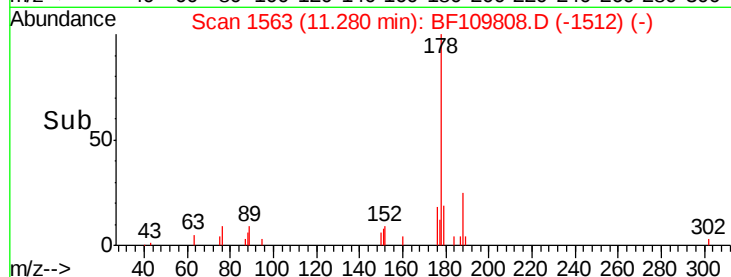
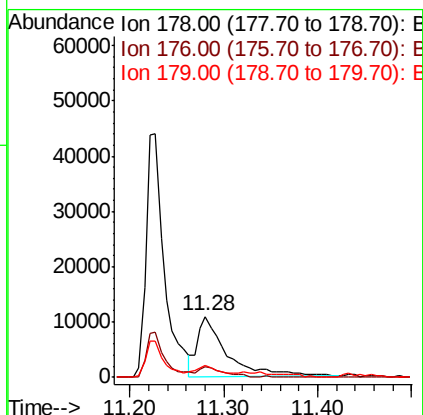
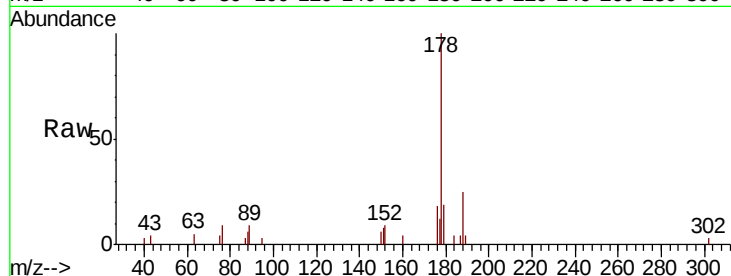




#71
 Anthracene
 Concen: 2.243 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

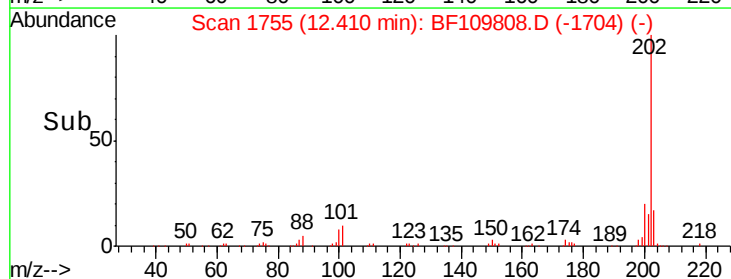
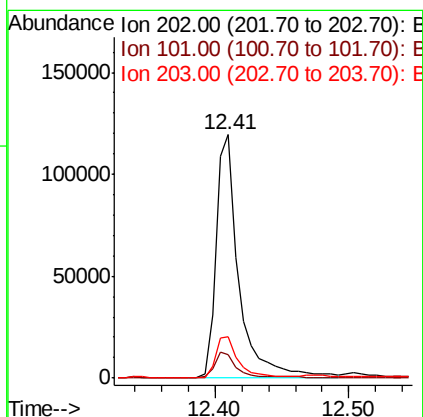
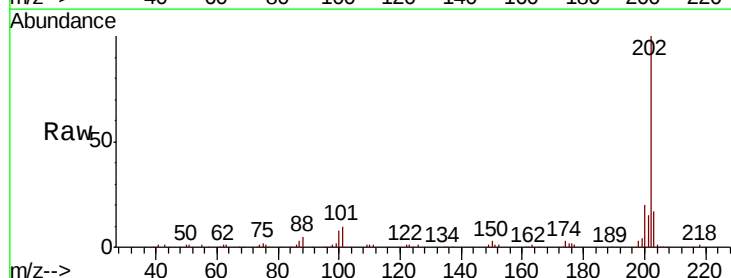
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-21

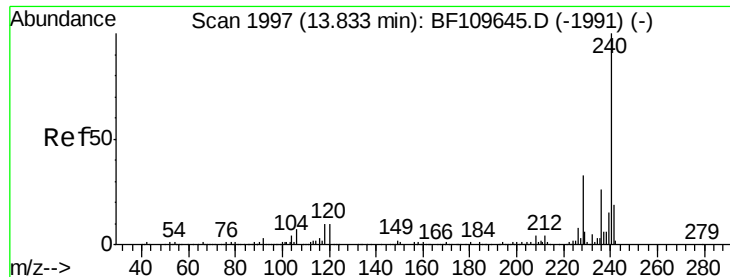
Tgt Ion:178 Resp: 23496
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 18.5 12.6 18.8



#74
 Fluoranthene
 Concen: 13.695 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

Tgt Ion:202 Resp: 144963
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 17.0 0.0 37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-21

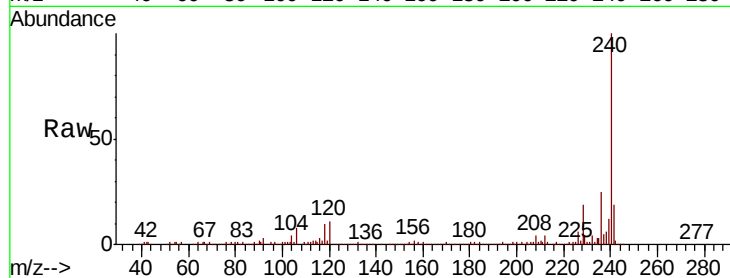
Tgt Ion:240 Resp: 200601

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

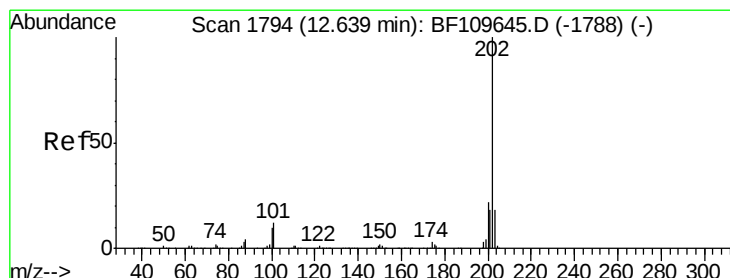
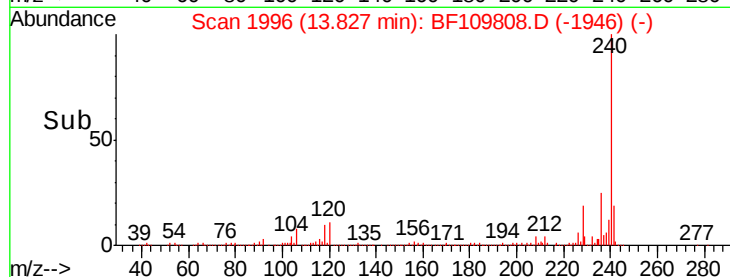
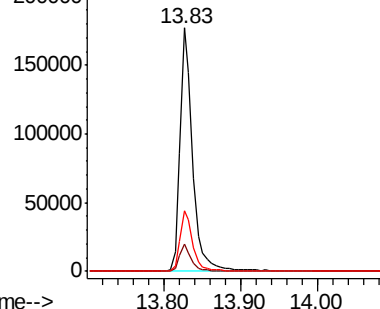
236 24.8 21.2 31.8



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: 8.836 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109808.D

Acq: 12 Oct 2018 1:17

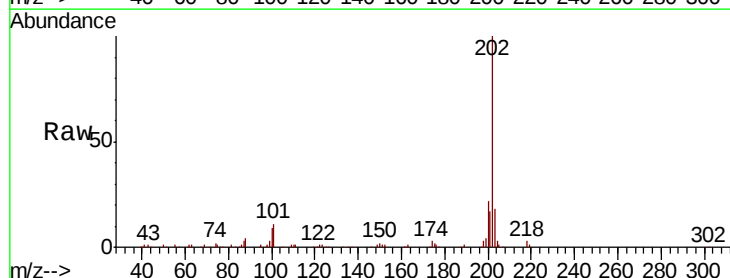
Tgt Ion:202 Resp: 129866

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

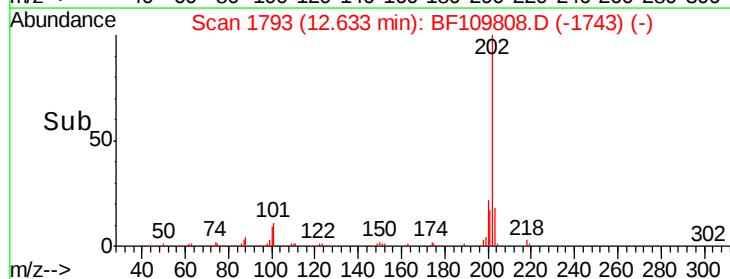
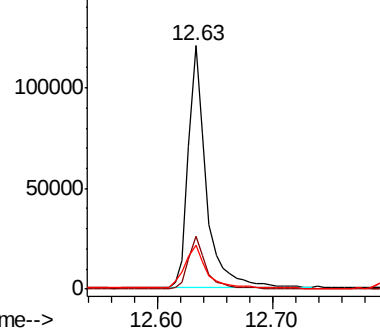
203 17.9 14.2 21.4

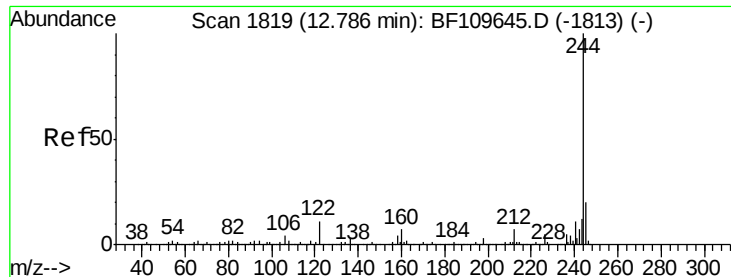


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

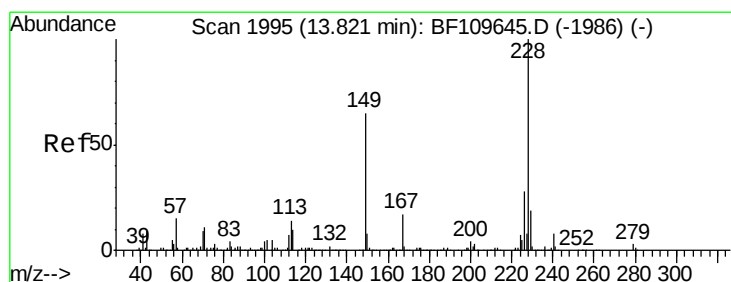
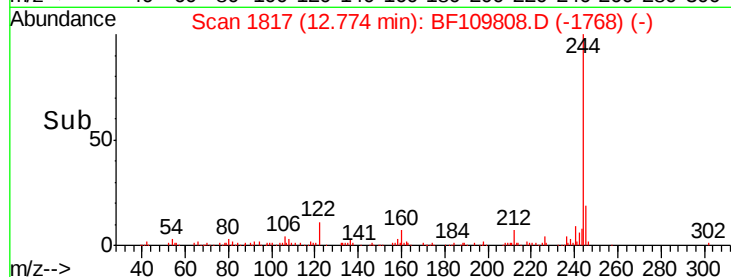
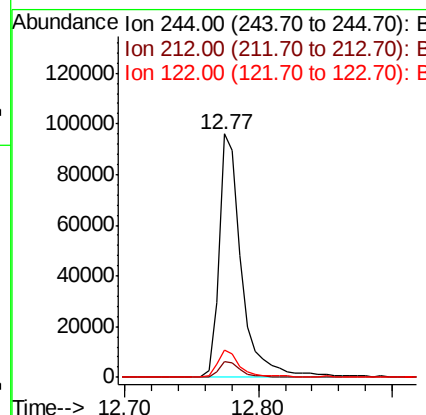
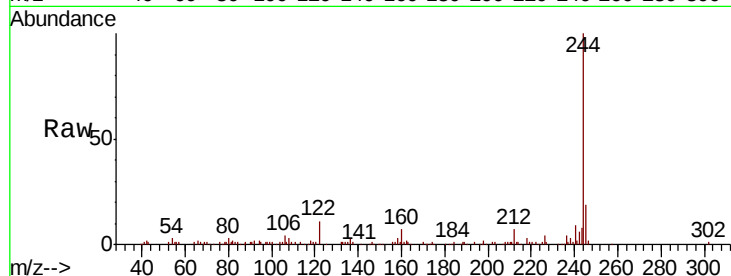




#78
 Terphenyl-d14
 Concen: 11.005 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

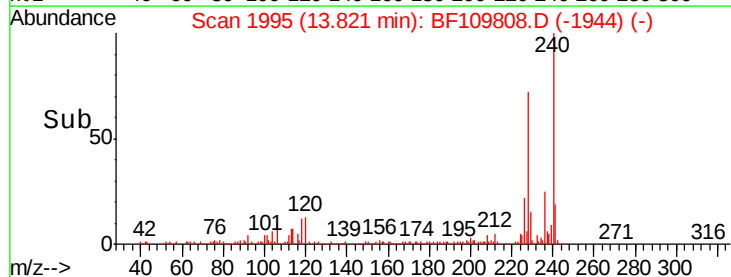
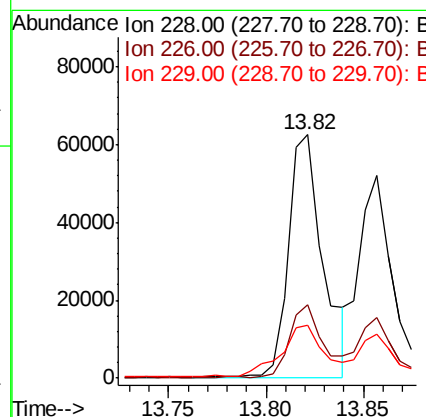
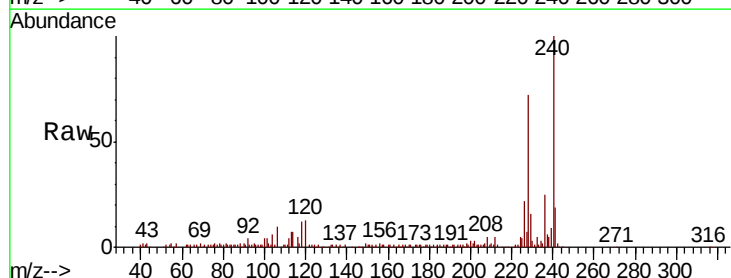
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-21

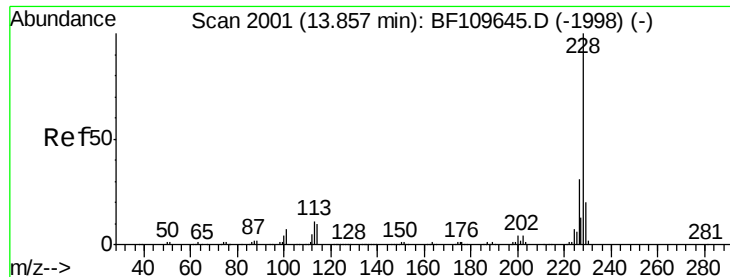
Tgt Ion:244 Resp: 114037
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 11.3 8.7 13.1



#80
 Benzo(a)anthracene
 Concen: 7.003 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.00 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

Tgt Ion:228 Resp: 77523
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.1 33.1
 229 21.8 15.6 23.4

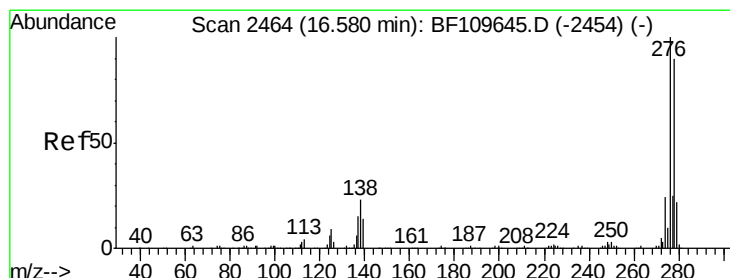
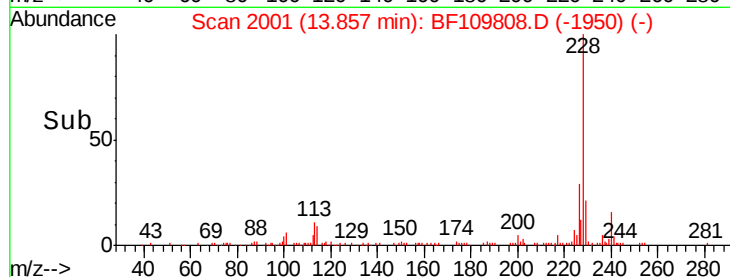
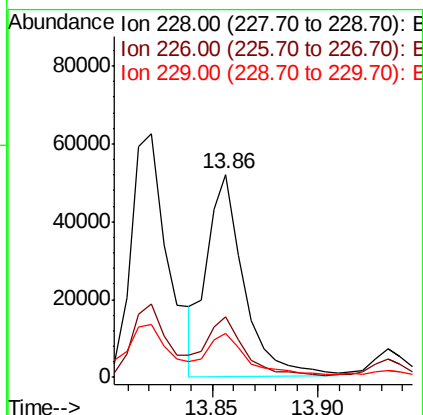
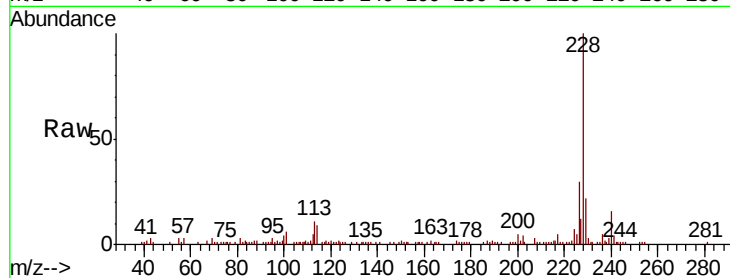




#82
Chrysene
Concen: 5.452 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

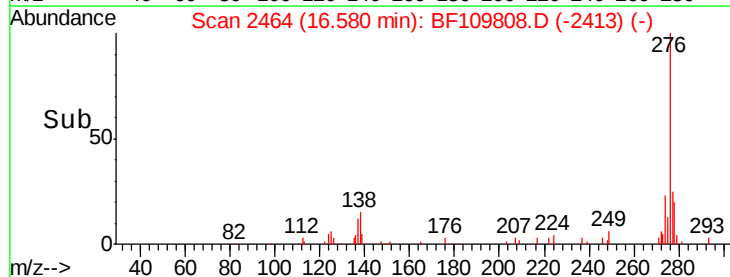
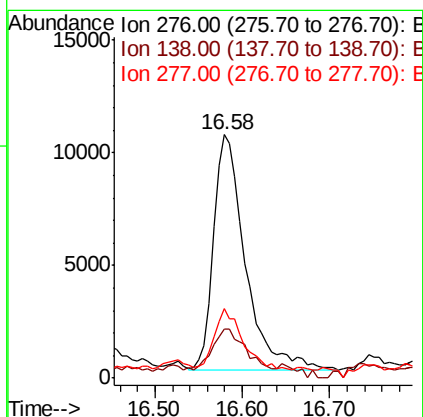
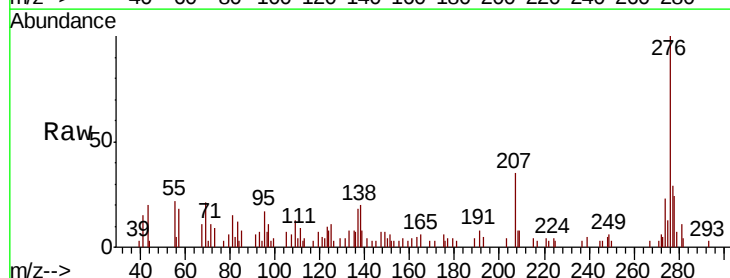
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

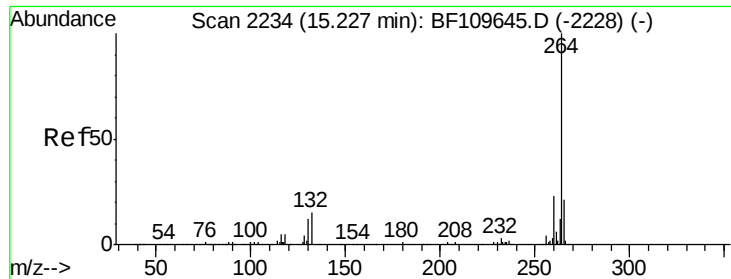
Tgt Ion: 228 Resp: 63398
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 21.5 15.9 23.9



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.181 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion: 276 Resp: 26472
Ion Ratio Lower Upper
276 100
138 17.5 18.5 27.7#
277 23.9 20.0 30.0

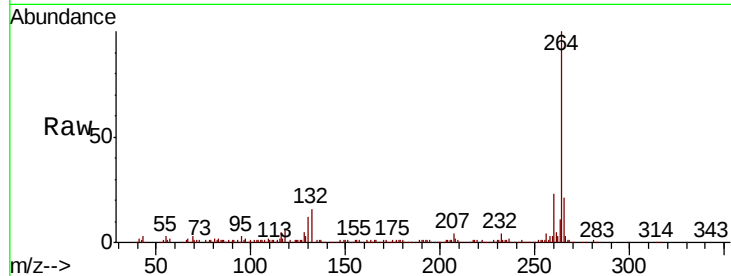




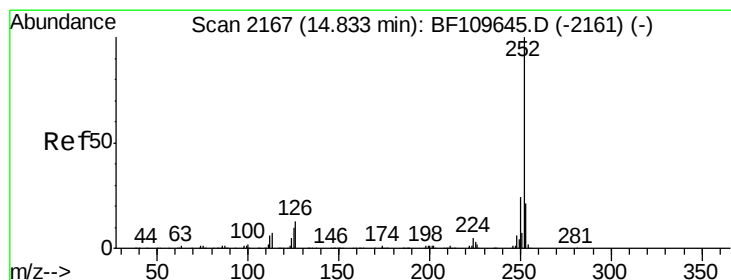
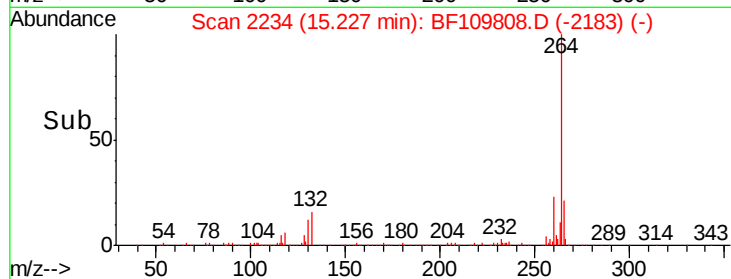
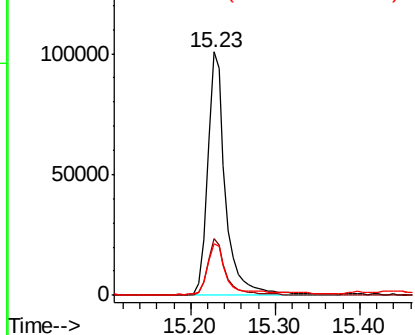
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

Tgt Ion:264 Resp: 149437
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.0 16.7 25.1

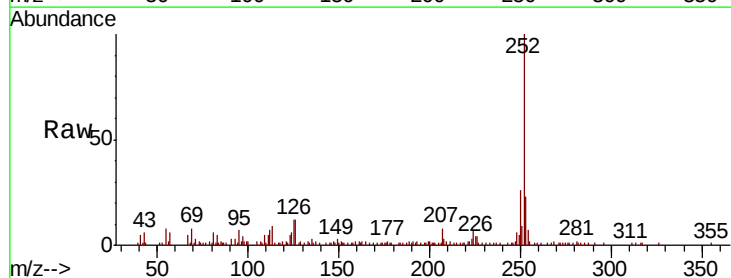


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

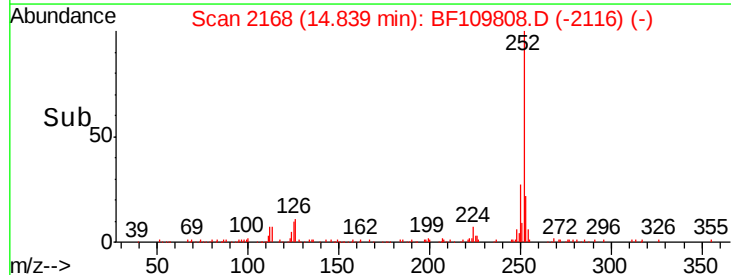
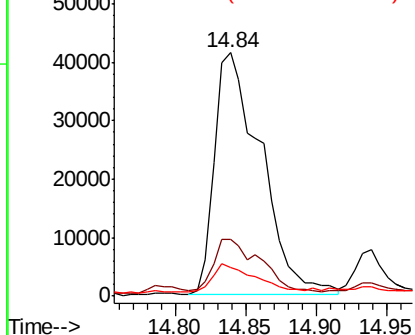


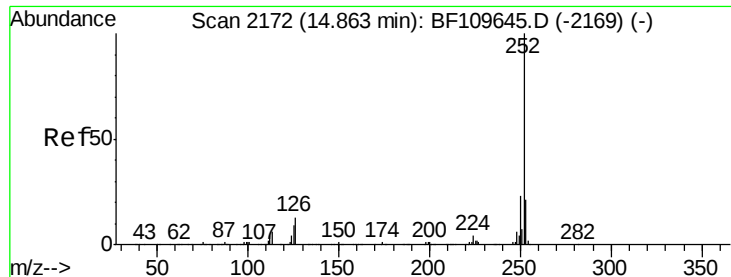
#87
Benzo(b)fluoranthene
Concen: 11.430 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:252 Resp: 94387
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 11.8 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

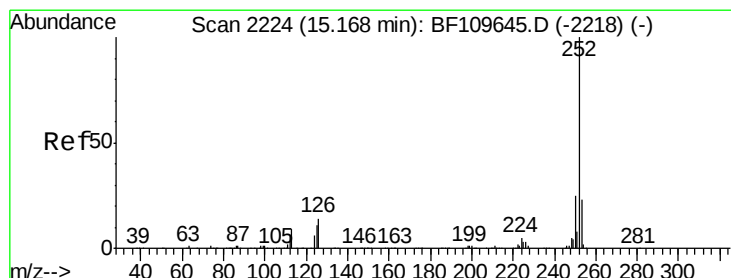
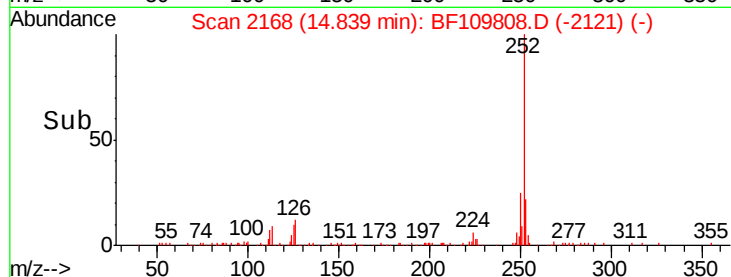
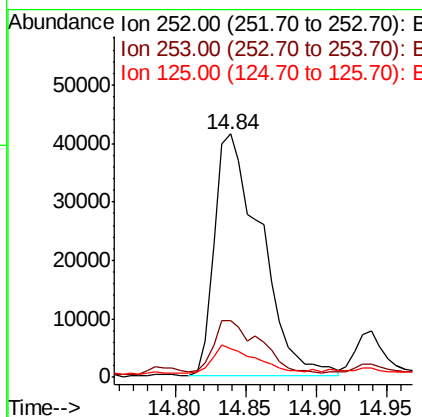
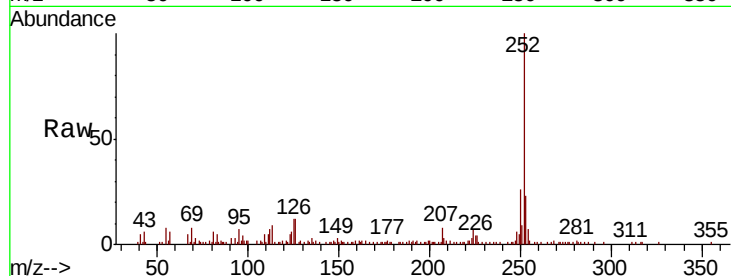




#88
Benzo(k)fluoranthene
Concen: 11.375 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

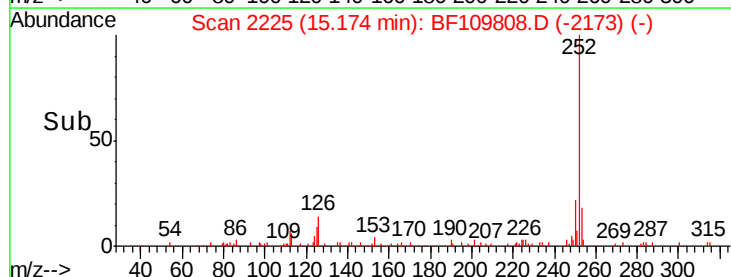
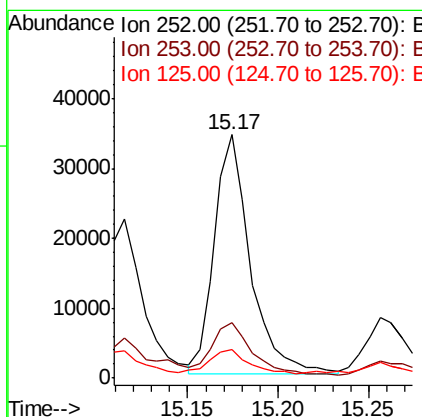
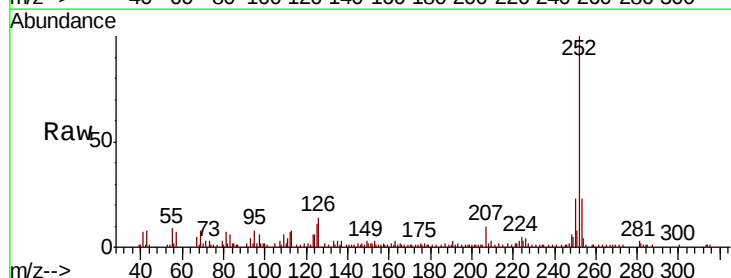
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

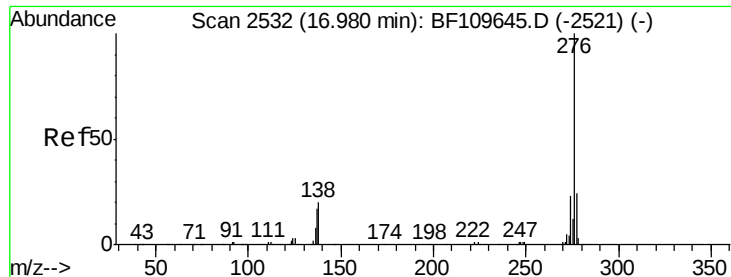
Tgt Ion:252 Resp: 94387
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 11.8 7.4 11.0#



#89
Benzo(a)pyrene
Concen: 6.307 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:252 Resp: 47266
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 11.5 9.0 13.6





#91
 Benzo(g,h,i)perylene
 Concen: 4.260 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. 0.01 min
 Lab File: BF109808.D
 Acq: 12 Oct 2018 1:17

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	22.3	16.0	24.0

