

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108212.D
 Acq On : 16 Aug 2018 23:08
 Operator : JU/SJ
 Sample : J4499-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

Quant Time: Aug 17 04:08:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	155746	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	565227	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	258909	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	462115	20.00	ng	0.00
75) Chrysene-d12	14.21	240	424906	20.00	ng	0.00
86) Perylene-d12	15.77	264	319467	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	138410	16.09	ng	0.00
7) Phenol-d6	6.62	99	180499	15.79	ng	0.00
23) Nitrobenzene-d5	7.57	82	112473	11.10	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	40017	15.50	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	214726	13.31	ng	0.00
78) Terphenyl-d14	13.14	244	191349	11.45	ng	-0.01

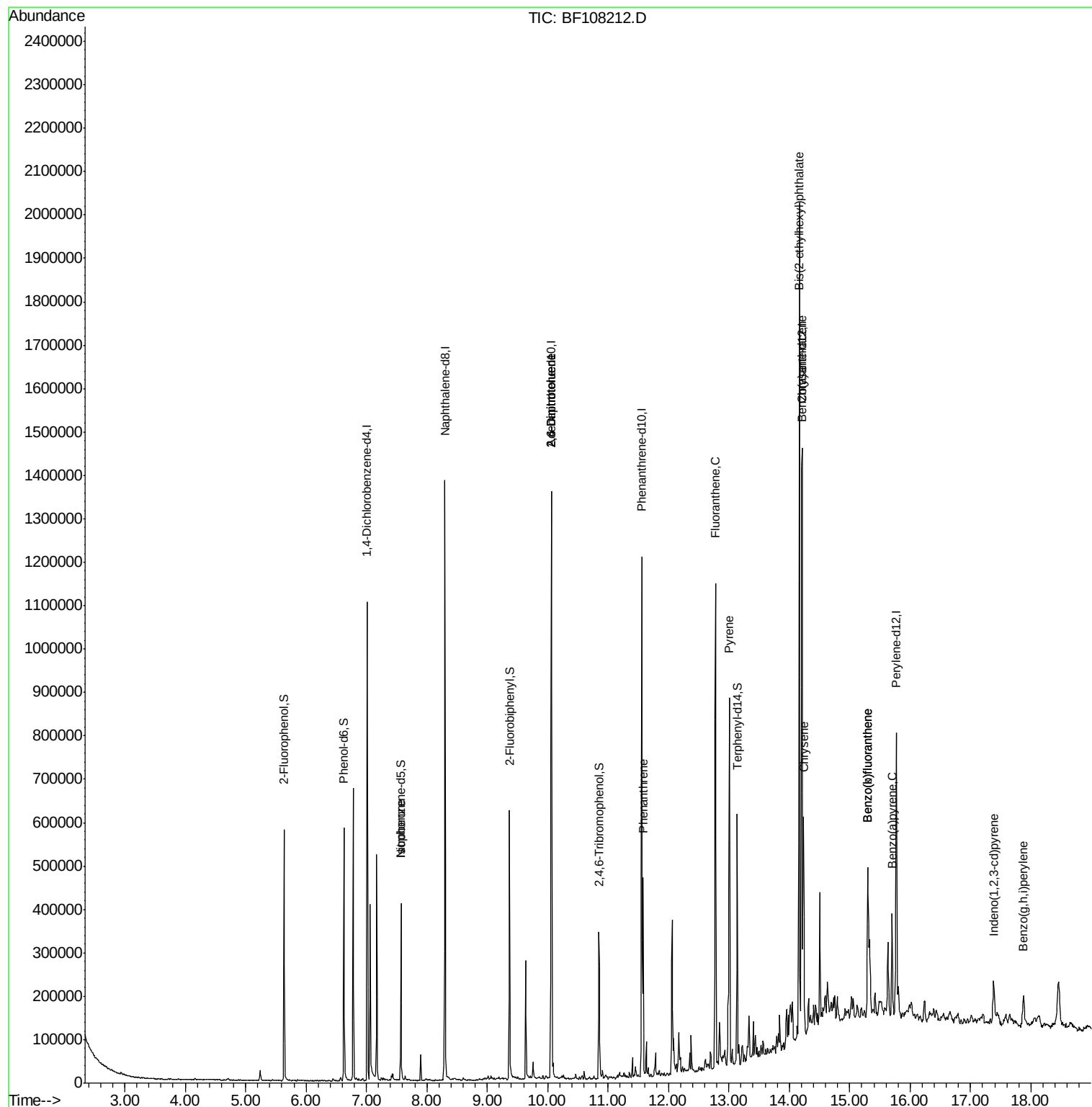
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.57	82	112471	5.825	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	32793	8.691	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	32793	6.752	ng	# 24
70) Phenanthrene	11.58	178	166673	7.647	ng	98
74) Fluoranthene	12.78	202	423067	17.785	ng	95
77) Pyrene	13.01	202	343513	12.770	ng	99
80) Benzo(a)anthracene	14.20	228	167428	6.866	ng	100
82) Chrysene	14.24	228	180308	8.065	ng	98
83) Bis(2-ethylhexyl)phthalate	14.17	149	507910	35.112	ng	99
85) Indeno(1,2,3-cd)pyrene	17.38	276	65859	3.400	ng	# 88
87) Benzo(b)fluoranthene	15.30	252	272426	14.271	ng	98
88) Benzo(k)fluoranthene	15.30	252	272426	15.525	ng	# 96
89) Benzo(a)pyrene	15.70	252	116389	6.809	ng	97
91) Benzo(g,h,i)perylene	17.88	276	63204	4.538	ng	# 85

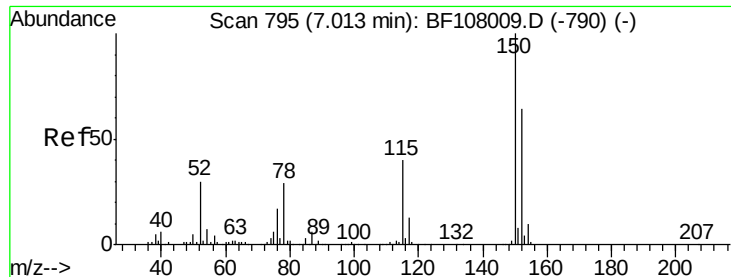
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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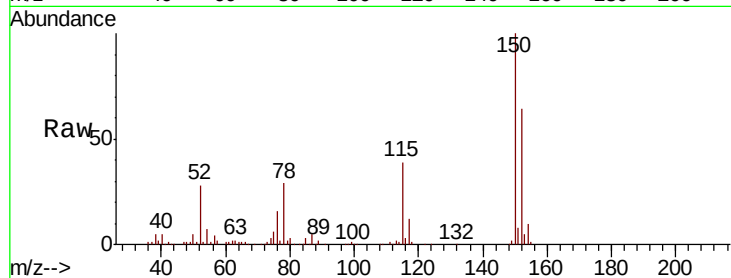


#1

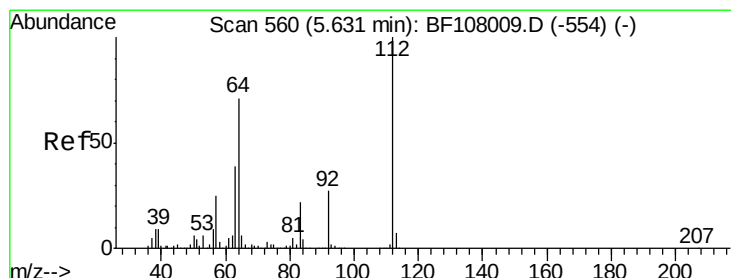
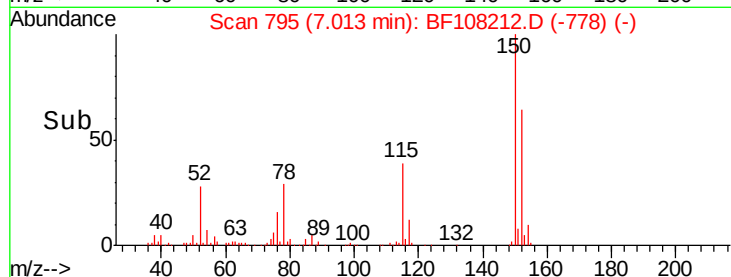
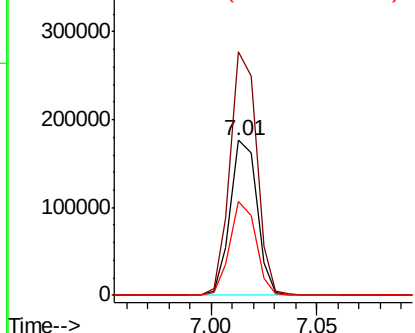
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	60.8	50.1	75.1



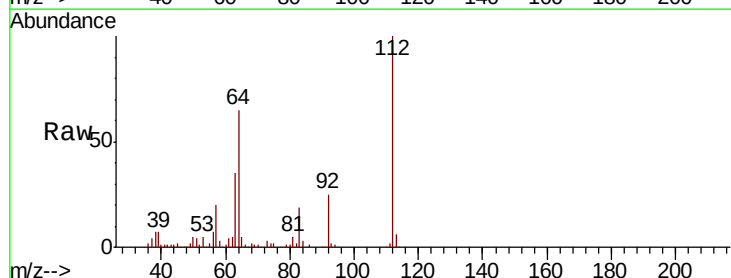
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



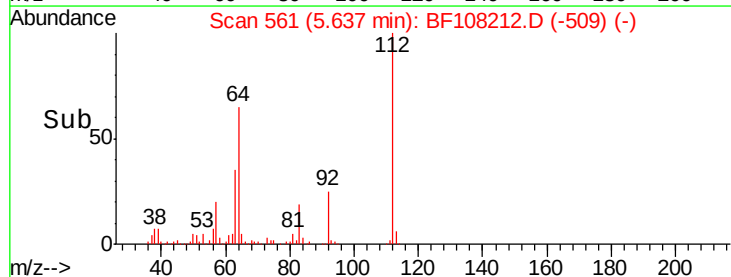
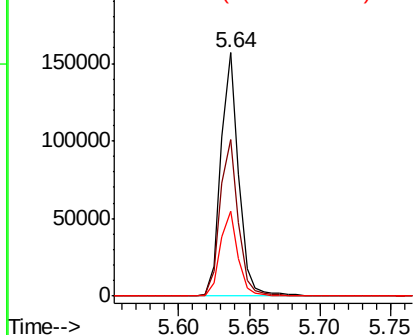
#5

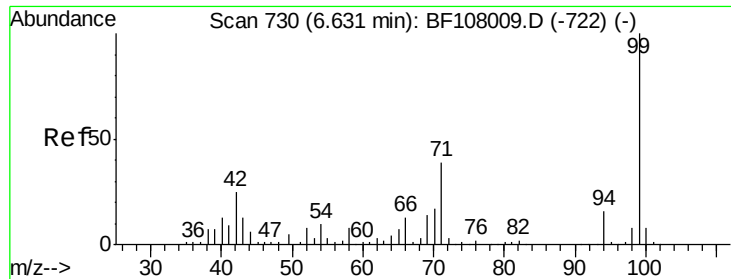
2-Fluorophenol
Concen: 16.089 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	34.9	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: 15.789 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

ClientSampled :

LSB-01(0-1)

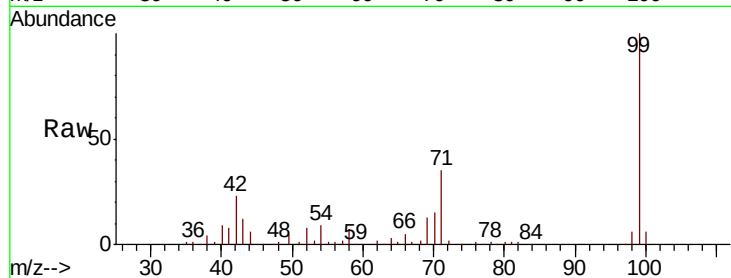
Tgt Ion: 99 Resp: 180499

Ion Ratio Lower Upper

99 100

42 22.9 14.5 21.7#

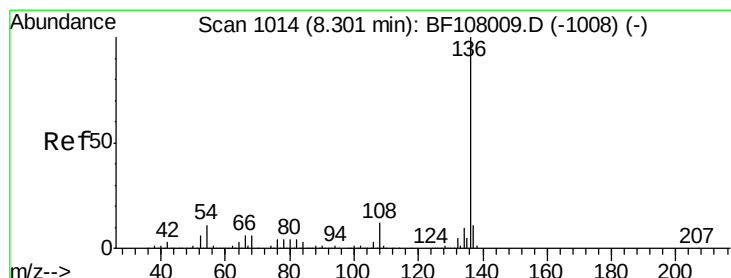
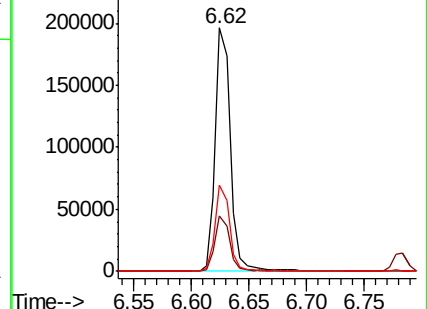
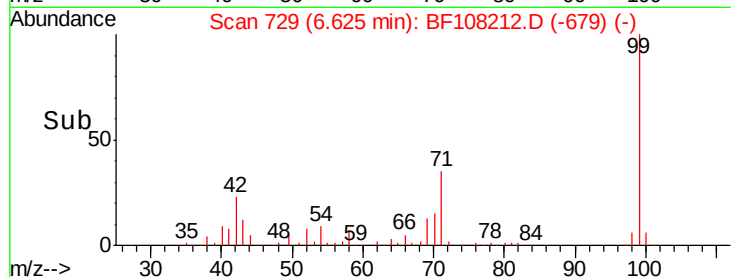
71 35.4 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Tgt Ion: 136 Resp: 565227

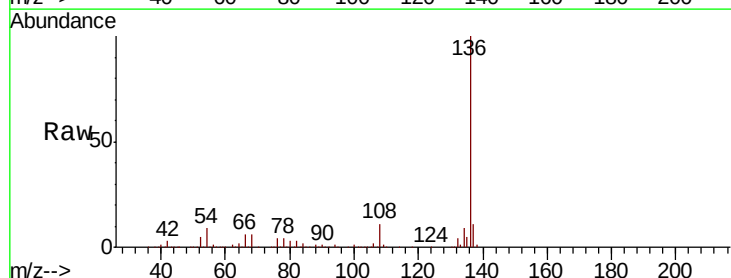
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.2 6.6 9.8

68 5.8 5.0 7.4

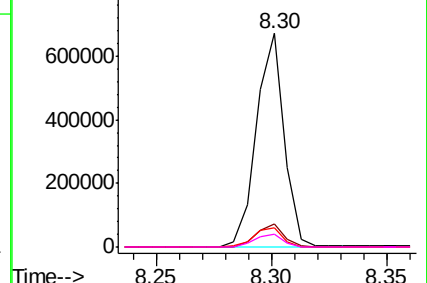
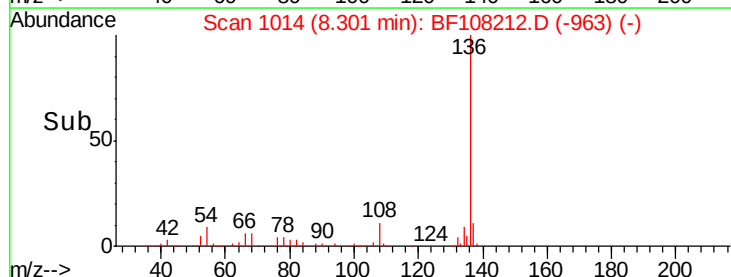


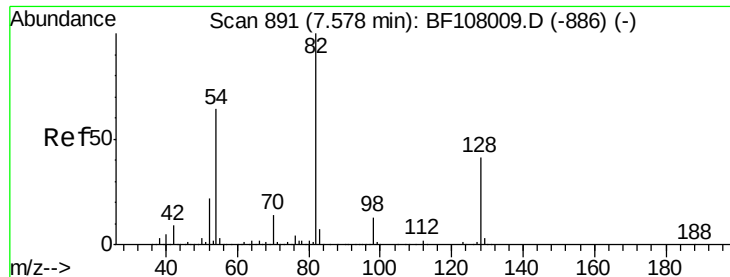
Abundance Ion 136.00 (135.70 to 136.70): E

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

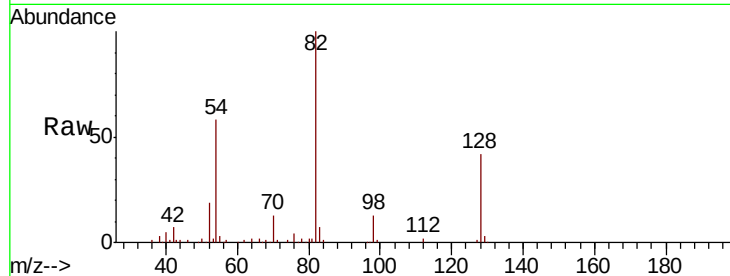




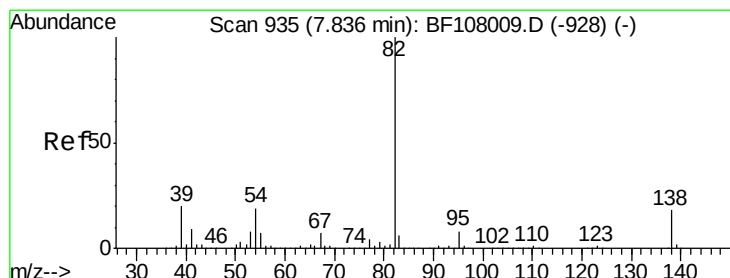
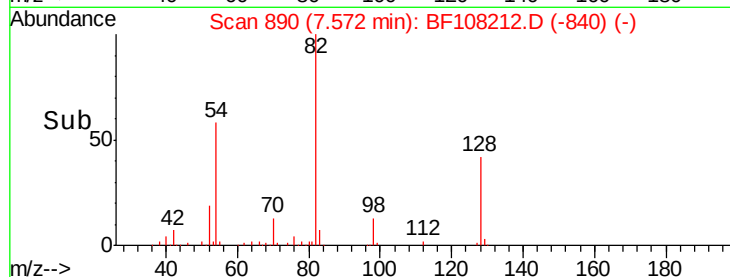
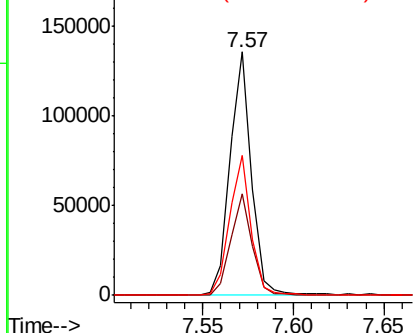
#23
 Nitrobenzene-d5
 Concen: 11.104 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

Tgt Ion: 82 Resp: 112473
 Ion Ratio Lower Upper
 82 100
 128 41.9 36.1 54.1
 54 57.6 41.4 62.2

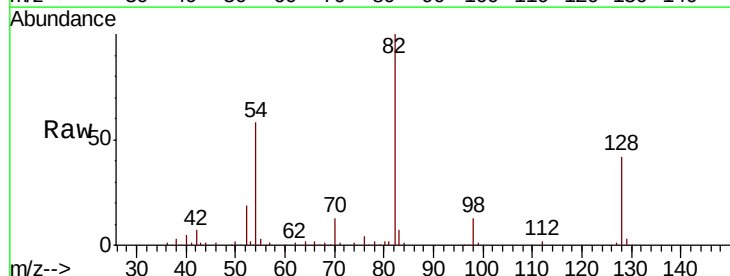


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

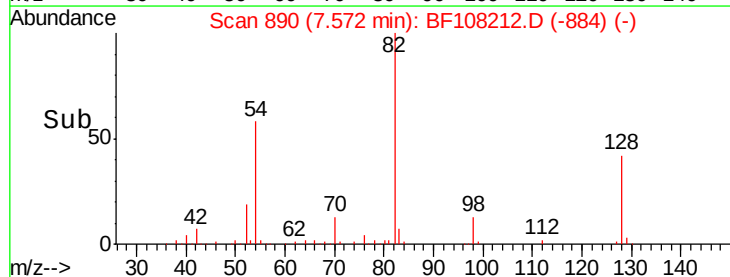
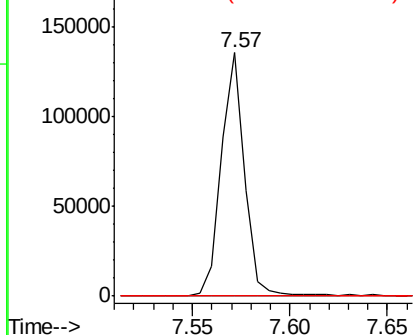


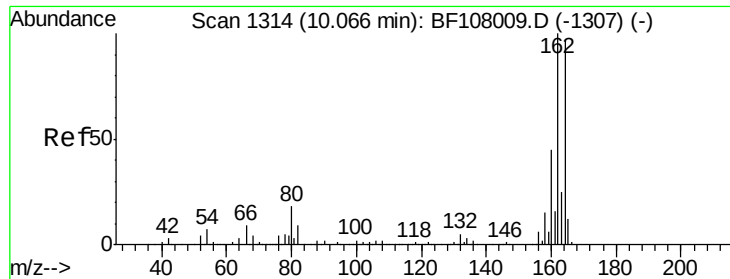
#25
 Isophorone
 Concen: 5.825 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.26 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Tgt Ion: 82 Resp: 112471
 Ion Ratio Lower Upper
 82 100
 95 0.0 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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

ClientSampleId :

LSB-01(0-1)

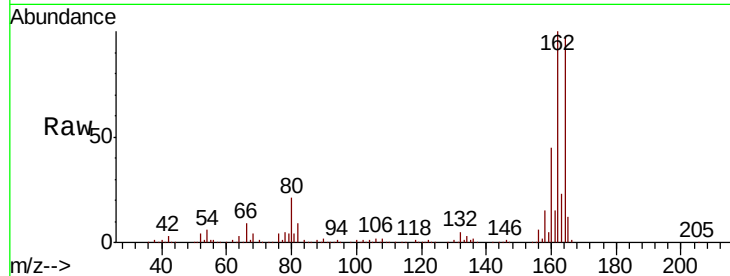
Tgt Ion:164 Resp: 258909

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

160 46.9 38.3 57.5

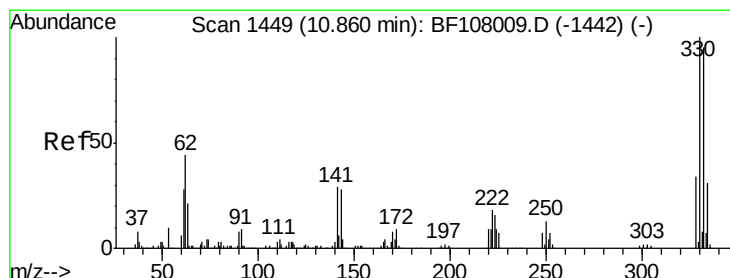
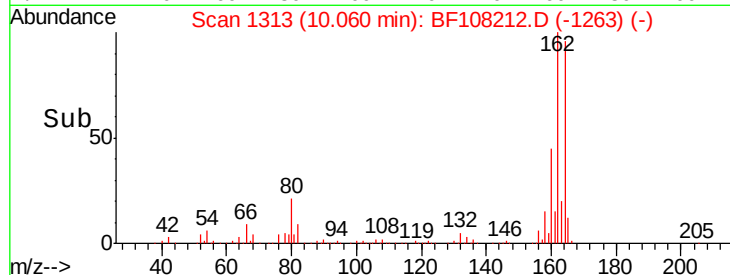
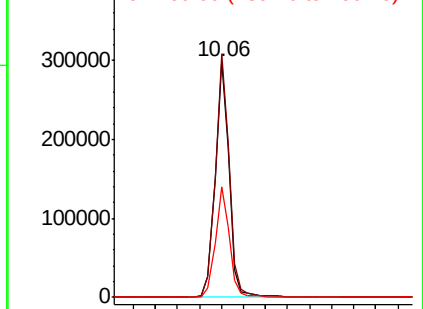


Abundance

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: 15.495 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

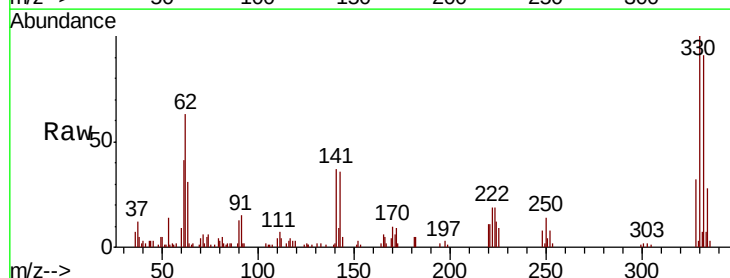
Tgt Ion:330 Resp: 40017

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

141 33.4 29.9 44.9

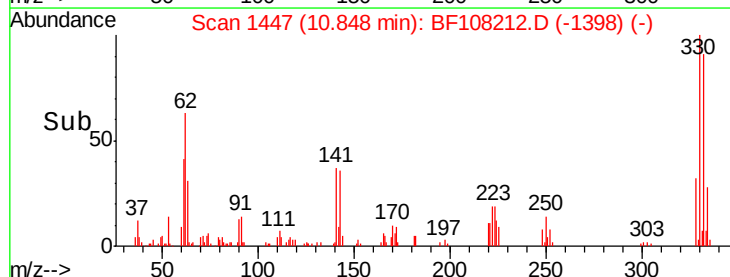
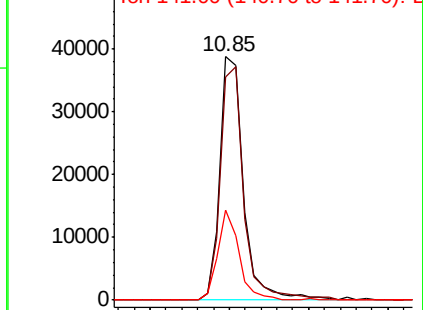


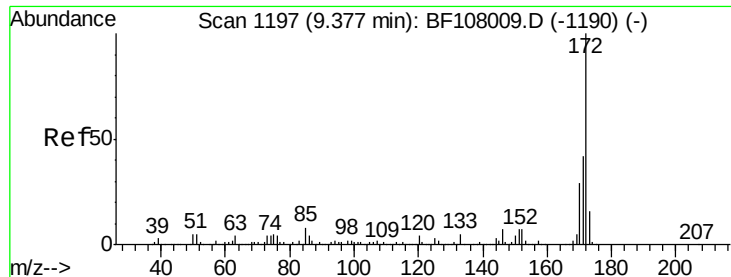
Abundance

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

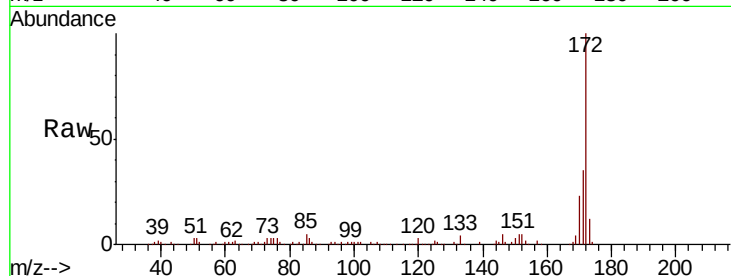




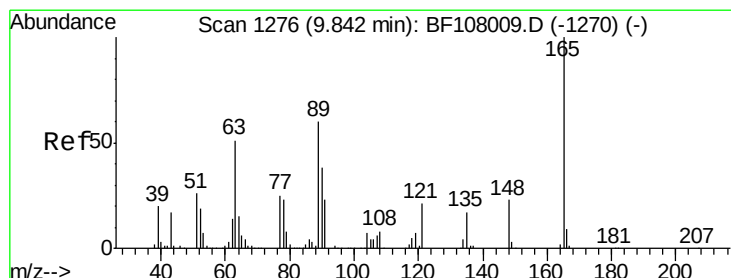
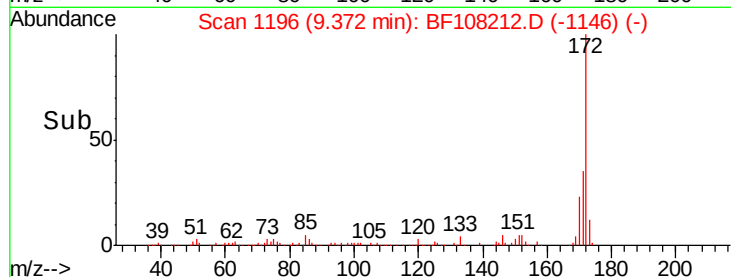
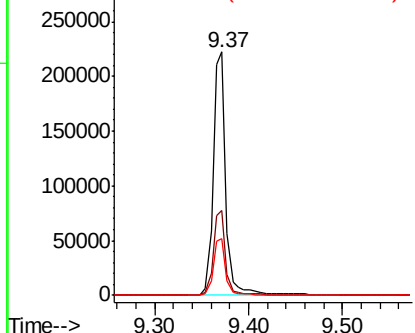
#44
 2-Fluorobiphenyl
 Concen: 13.315 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.3	19.6	29.4

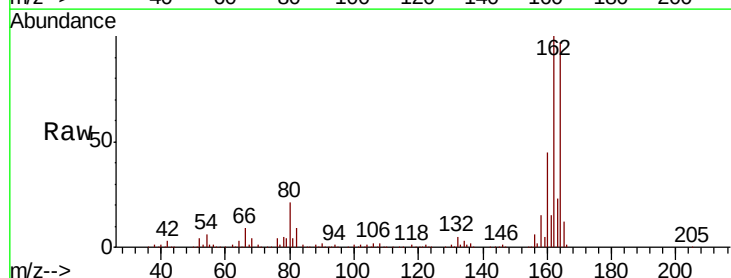


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

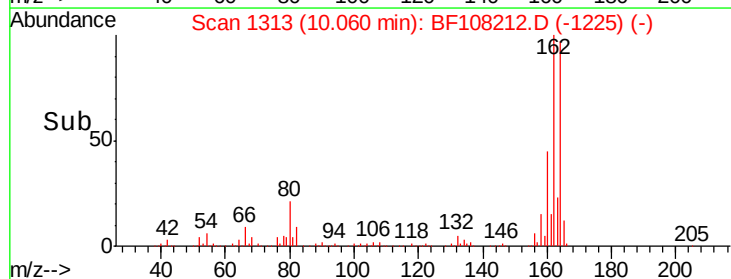
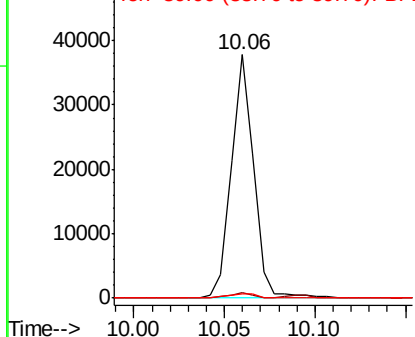


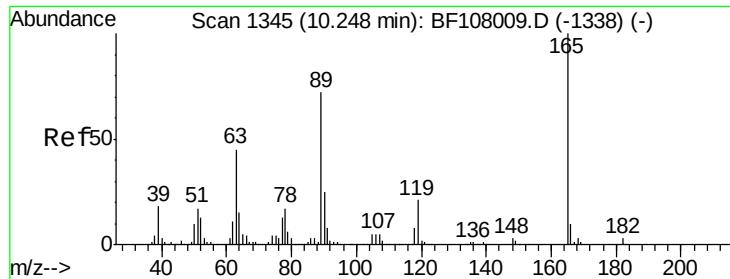
#50
 2,6-Dinitrotoluene
 Concen: 8.691 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.7	44.0	66.0#



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

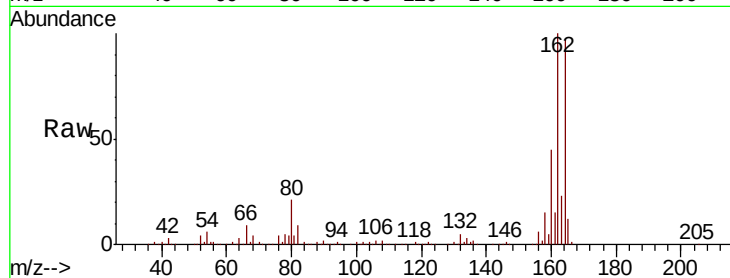




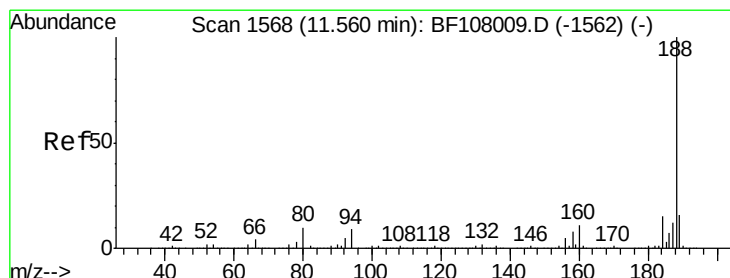
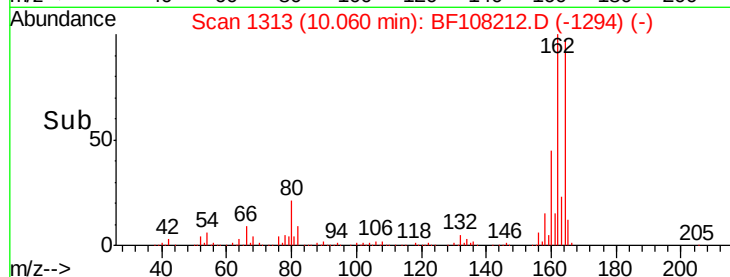
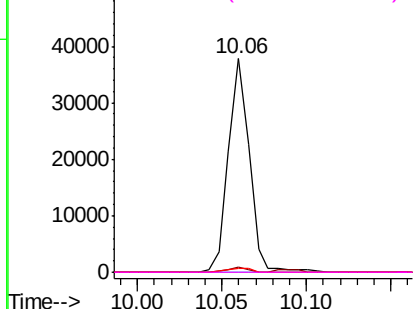
#56
 2,4-Dinitrotoluene
 Concen: 6.752 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

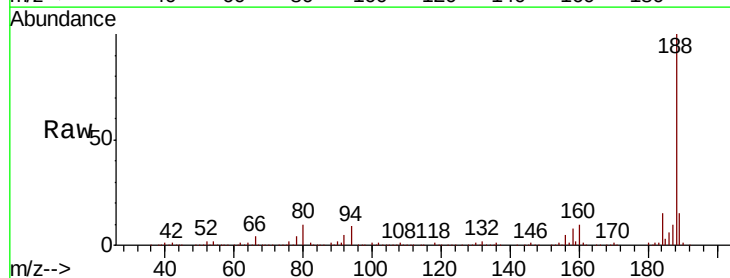


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

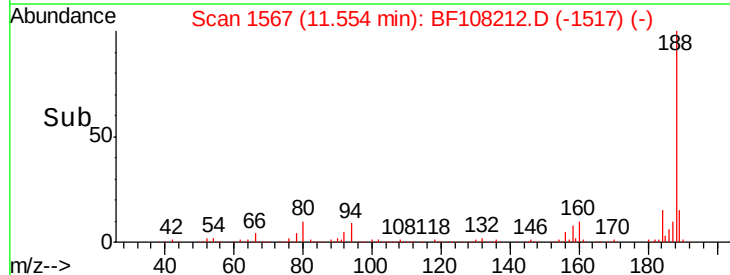
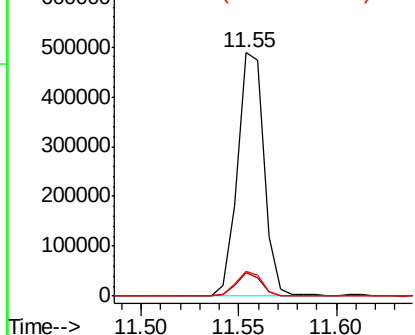


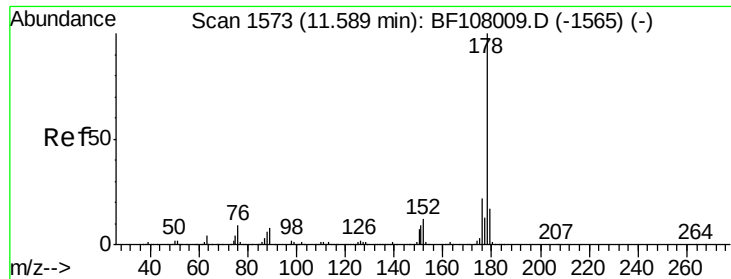
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.4	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

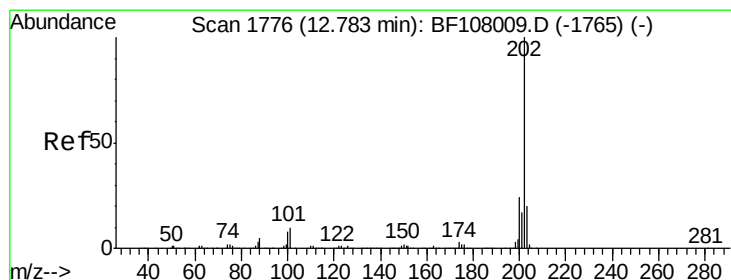
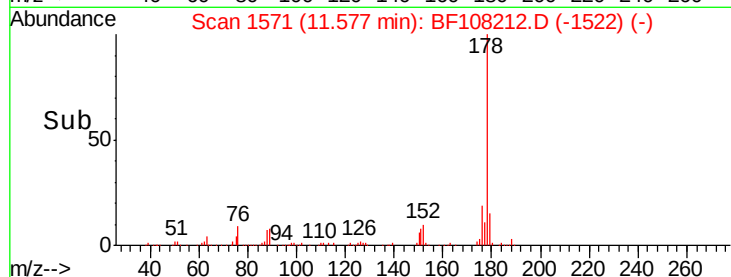
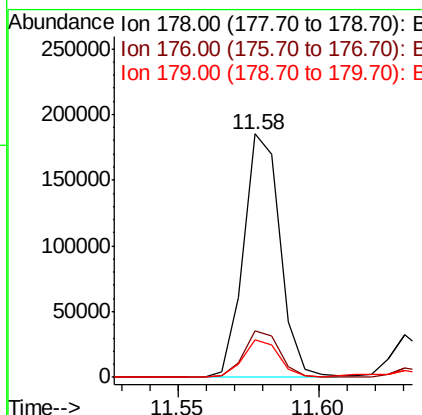
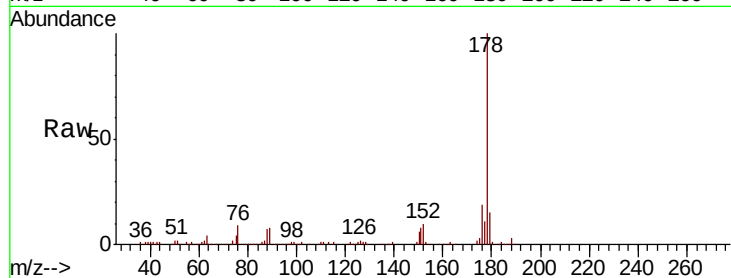




#70
Phenanthrene
Concen: 7.647 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

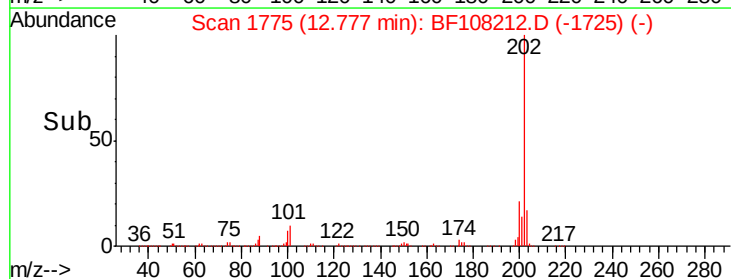
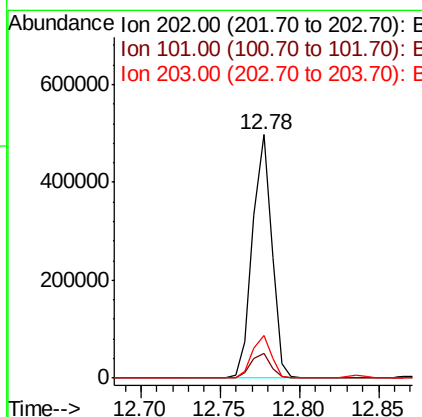
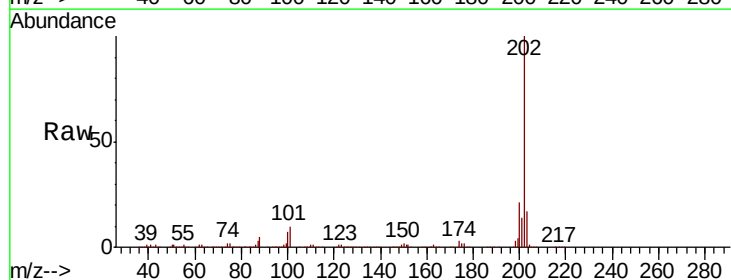
Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

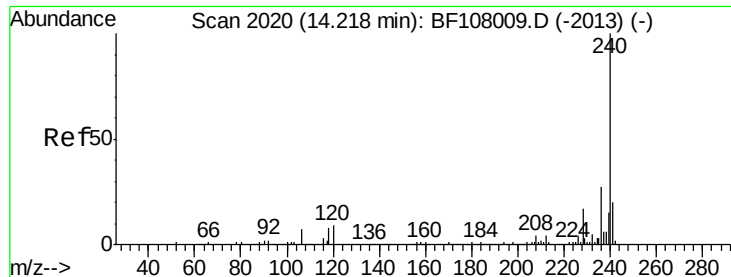
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.2	13.0	19.6



#74
Fluoranthene
Concen: 17.785 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

ClientSampleId :

LSB-01(0-1)

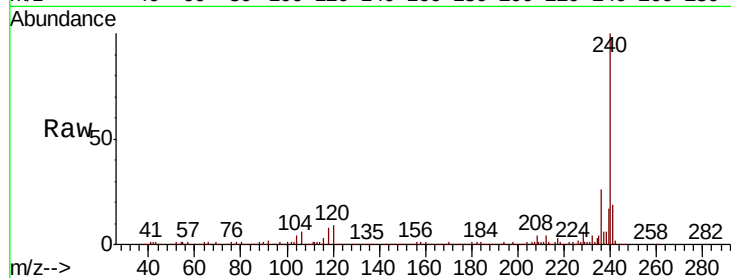
Tgt Ion:240 Resp: 424906

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

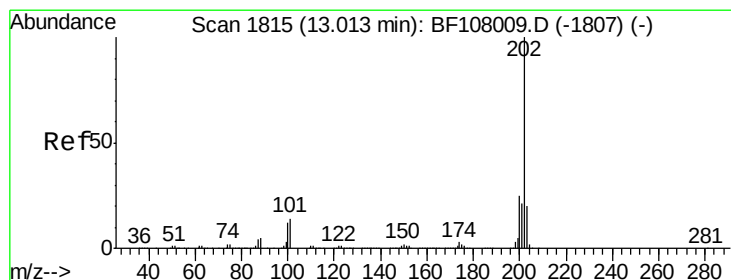
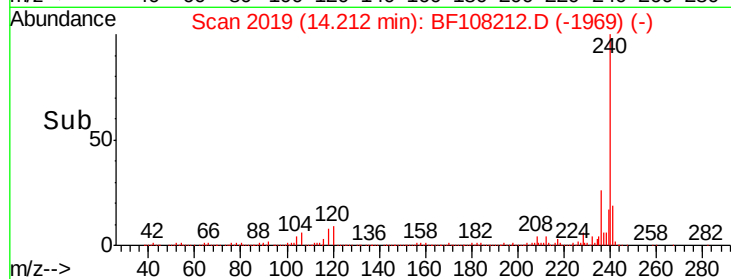
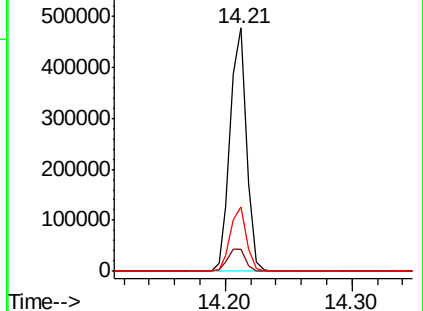
236 26.2 20.7 31.1



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: 12.770 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

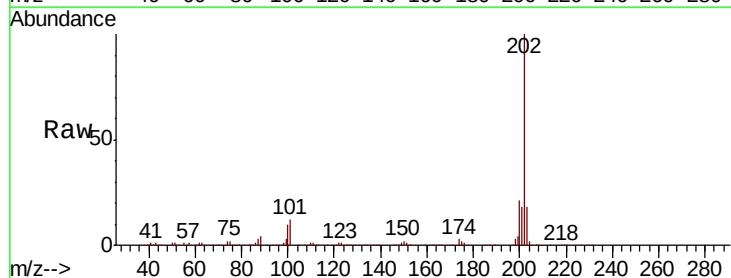
Tgt Ion:202 Resp: 343513

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

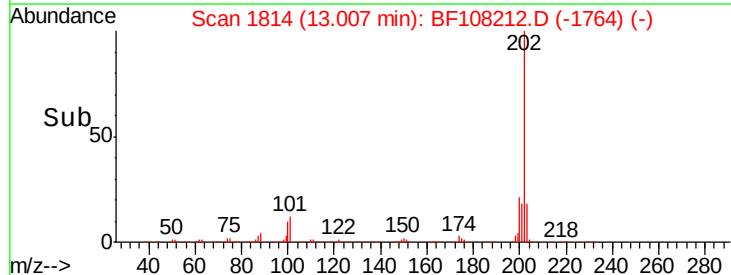
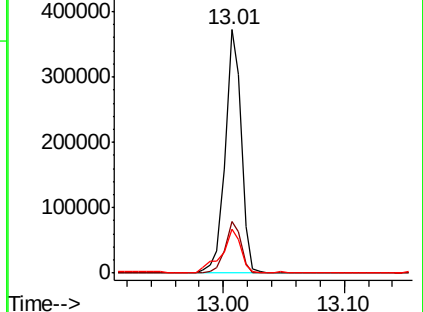
203 17.9 14.3 21.5

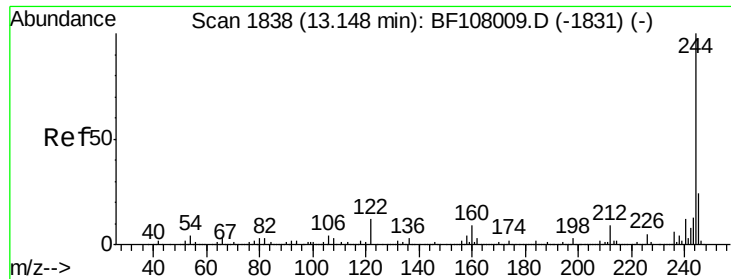


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.450 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

ClientSampled :

LSB-01(0-1)

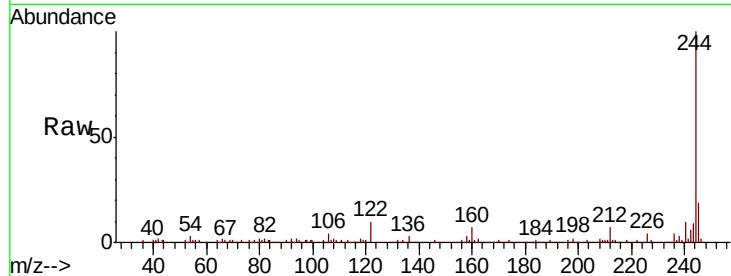
Tgt Ion:244 Resp: 191349

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

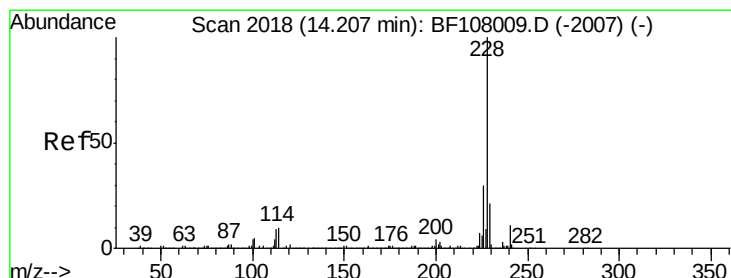
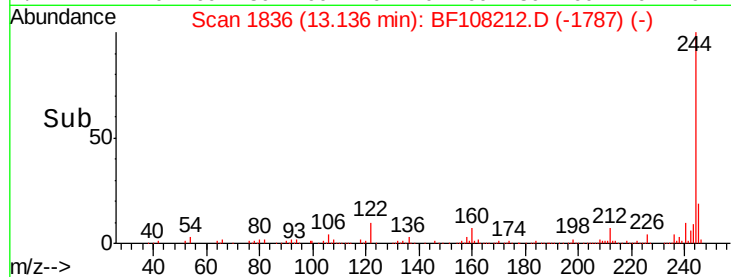
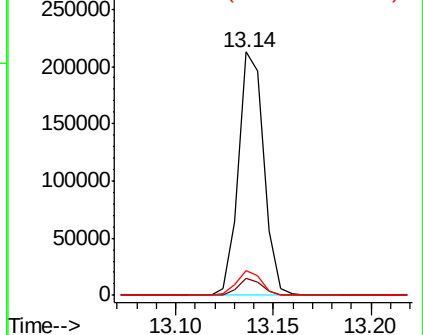
122 10.0 11.0 16.4#



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: 6.866 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

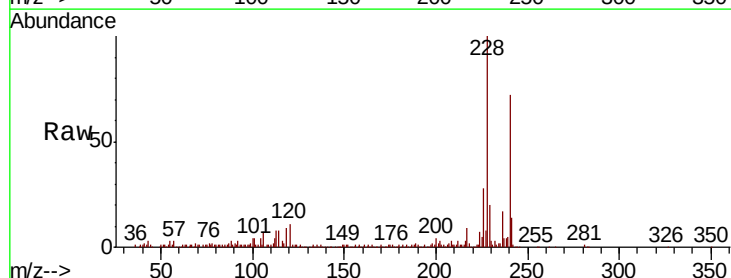
Tgt Ion:228 Resp: 167428

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

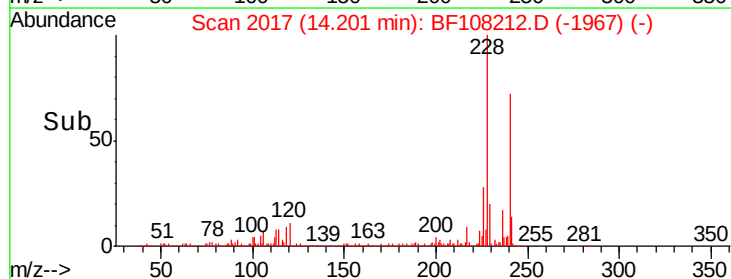
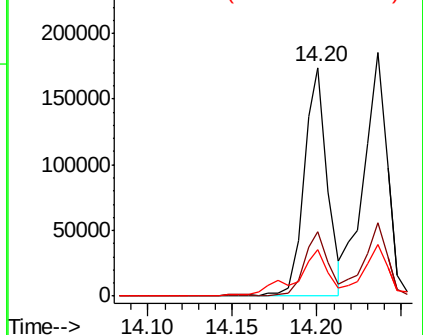
229 20.2 15.8 23.6

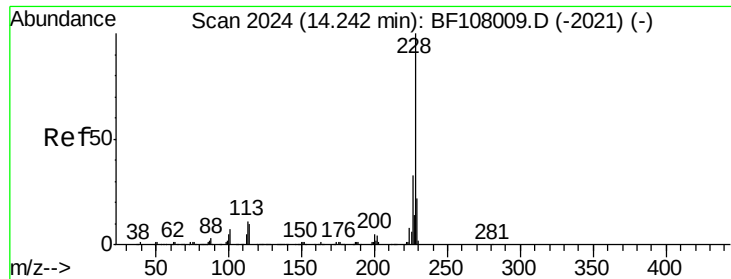


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.065 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

ClientSampleId :

LSB-01(0-1)

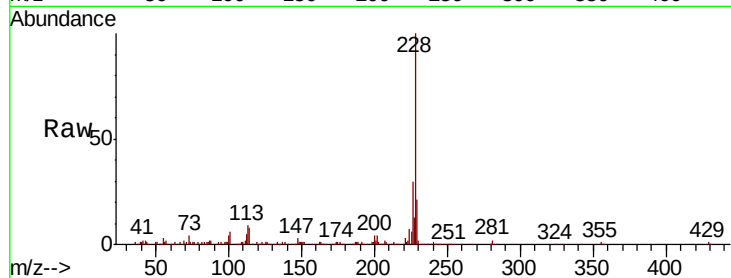
Tgt Ion:228 Resp: 180308

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

229 21.0 16.2 24.4

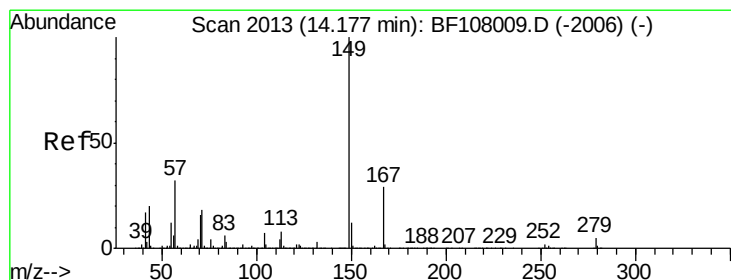
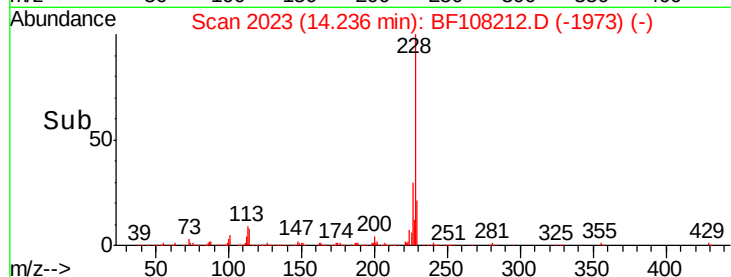
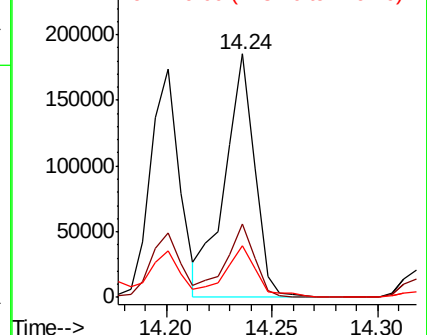


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 35.112 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

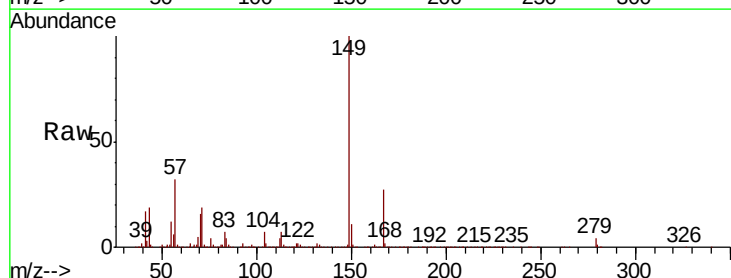
Tgt Ion:149 Resp: 507910

Ion Ratio Lower Upper

149 100

167 26.8 21.3 31.9

279 4.2 3.0 4.4

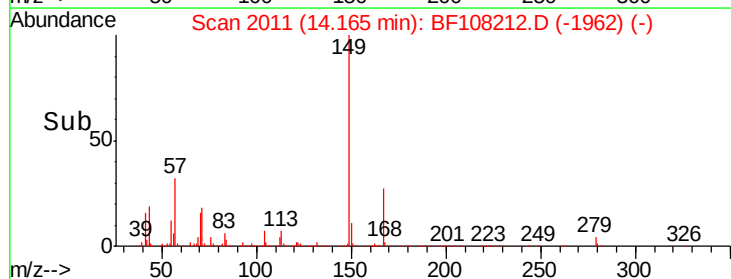
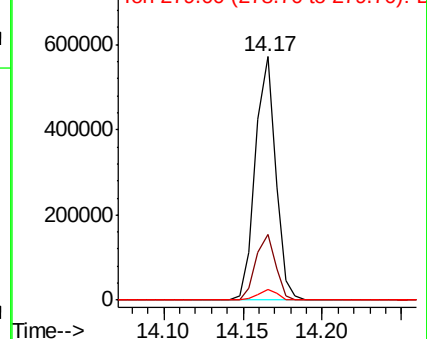


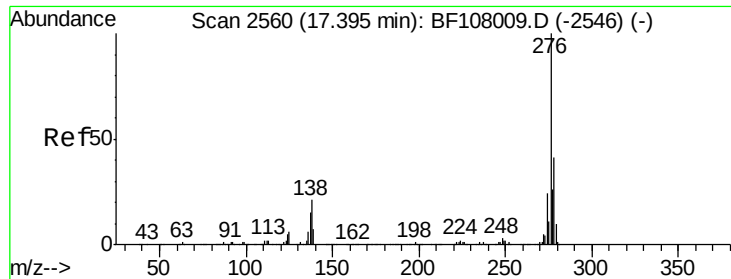
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

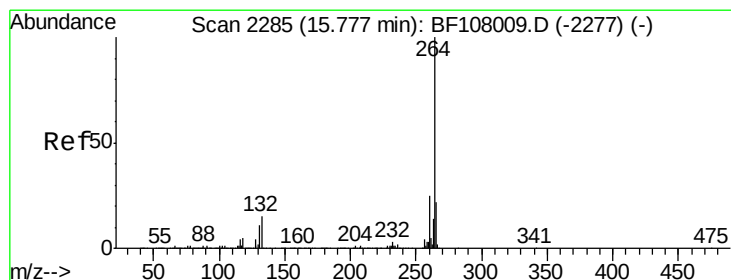
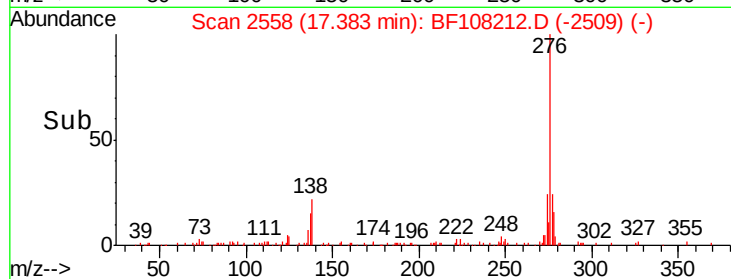
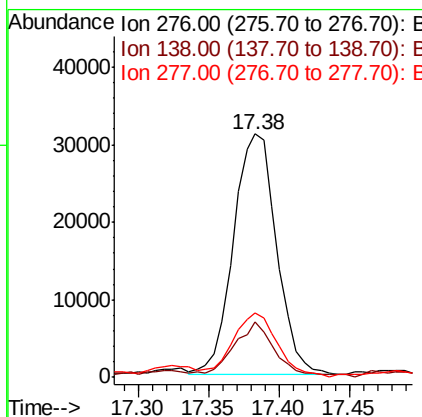
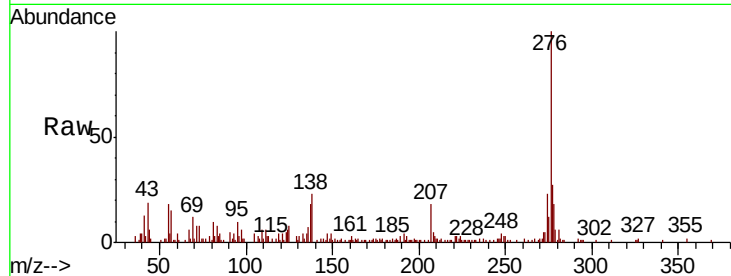




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.400 ng
 RT: 17.38 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

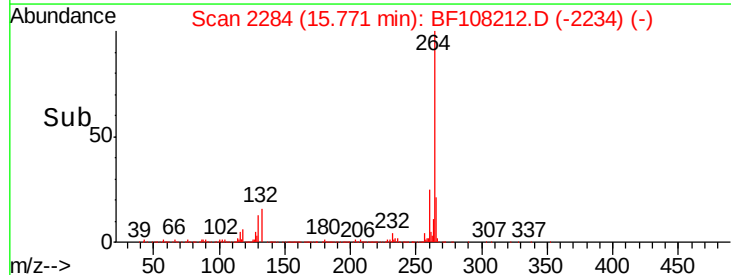
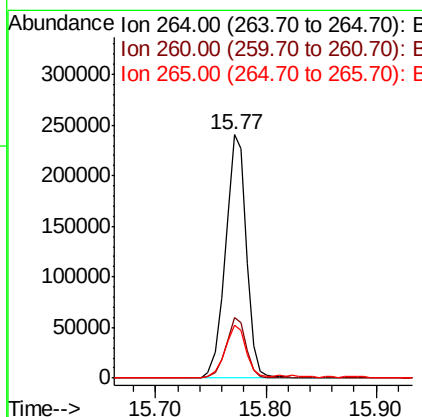
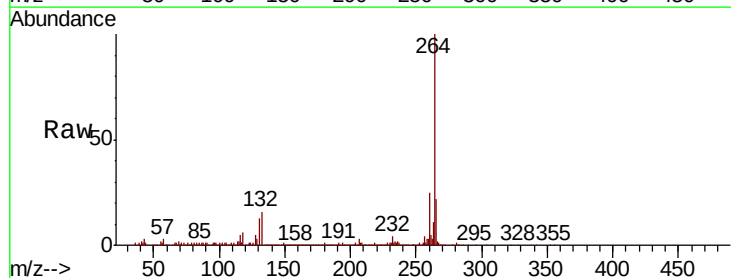
Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

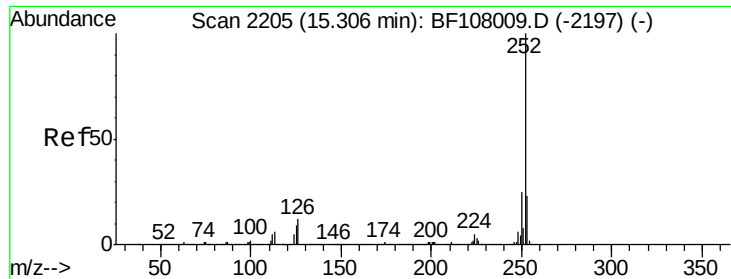
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	28.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.6	17.5	26.3

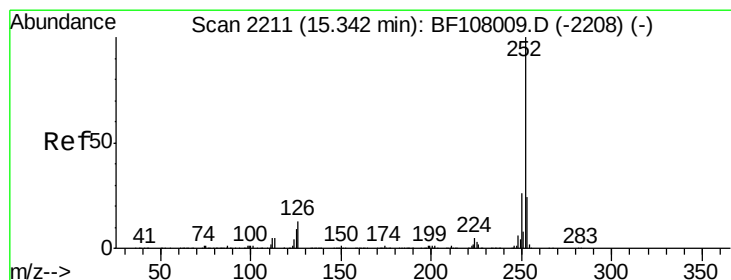
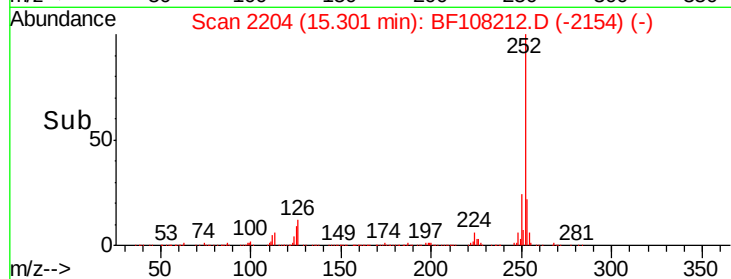
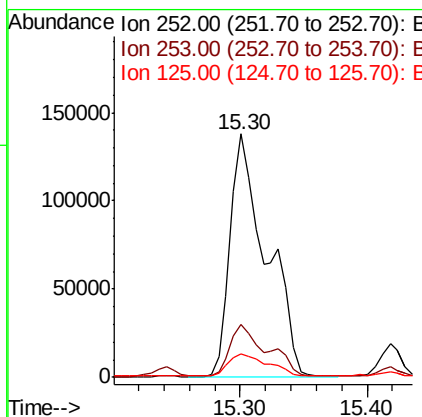
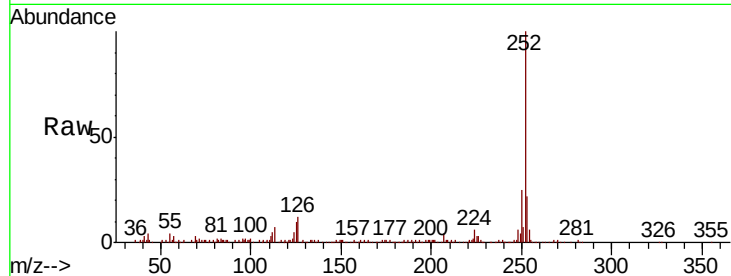




#87
Benzo(b)fluoranthene
Concen: 14.271 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

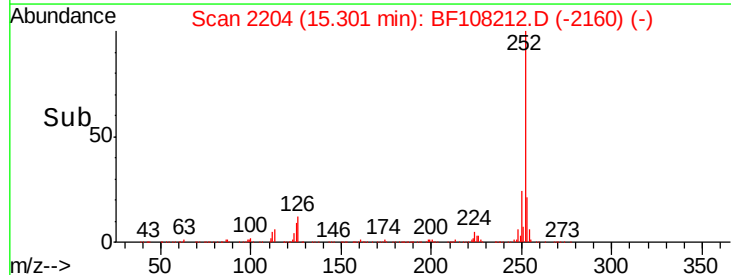
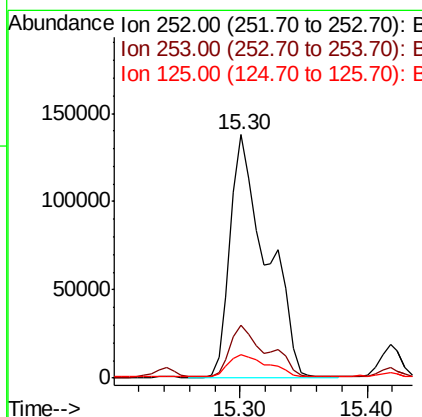
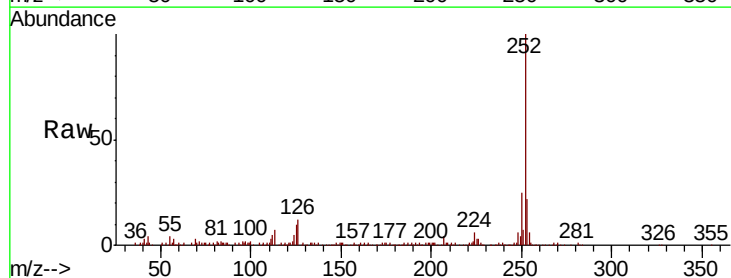
Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

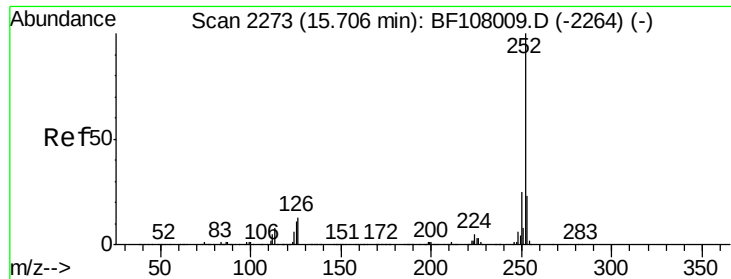
Tgt Ion:252 Resp: 272426
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 9.7 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 15.525 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion:252 Resp: 272426
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 9.7 10.2 15.2#

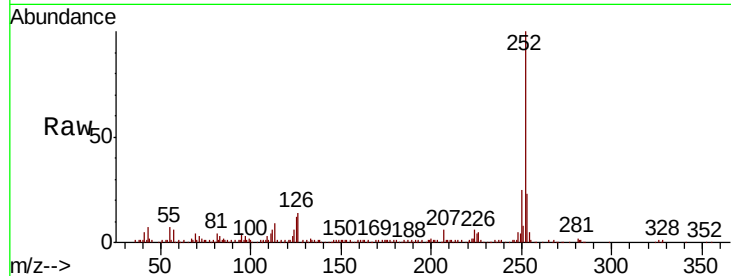




#89
Benzo(a)pyrene
Concen: 6.809 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.6	9.8	14.6

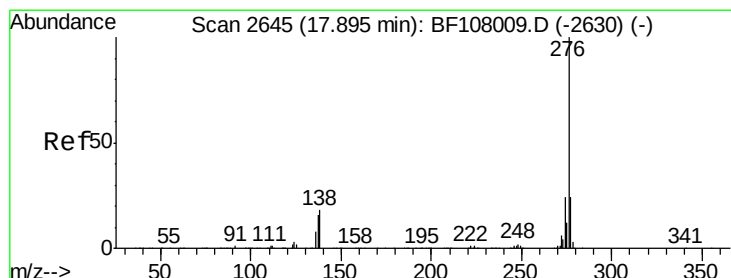
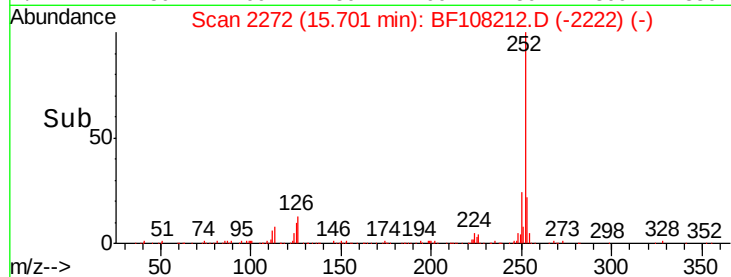
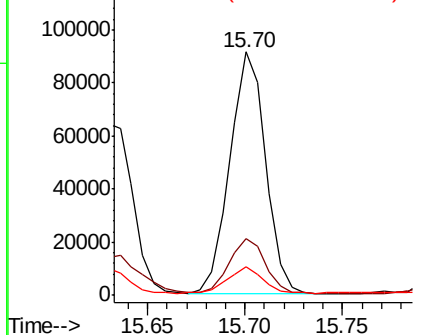


Abundance

Ion 252.00 (251.70 to 252.70): E

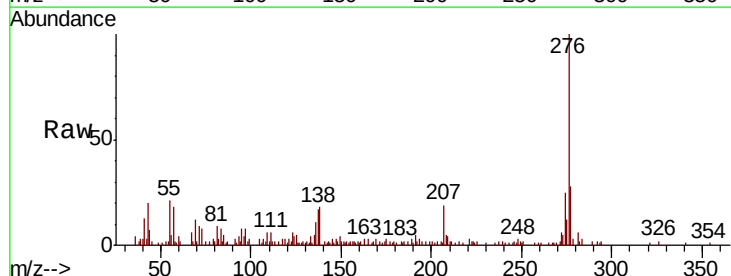
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.538 ng
RT: 17.88 min Scan# 2642
Delta R.T. -0.02 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	18.0	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

