

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108207.D
 Acq On : 16 Aug 2018 20:50
 Operator : JU/SJ
 Sample : J4499-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Quant Time: Aug 17 04:05:56 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	7.02	152	156320	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	570454	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	248639	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	427803	20.00	ng	0.00
75) Chrysene-d12	14.21	240	420634	20.00	ng	0.00
86) Perylene-d12	15.77	264	316706	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	347915	40.29	ng	0.00
7) Phenol-d6	6.62	99	440718	38.41	ng	0.00
23) Nitrobenzene-d5	7.57	82	285818	27.96	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	88236	35.58	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	474564	30.64	ng	0.00
78) Terphenyl-d14	13.14	244	433819	26.22	ng	0.00

Target Compounds

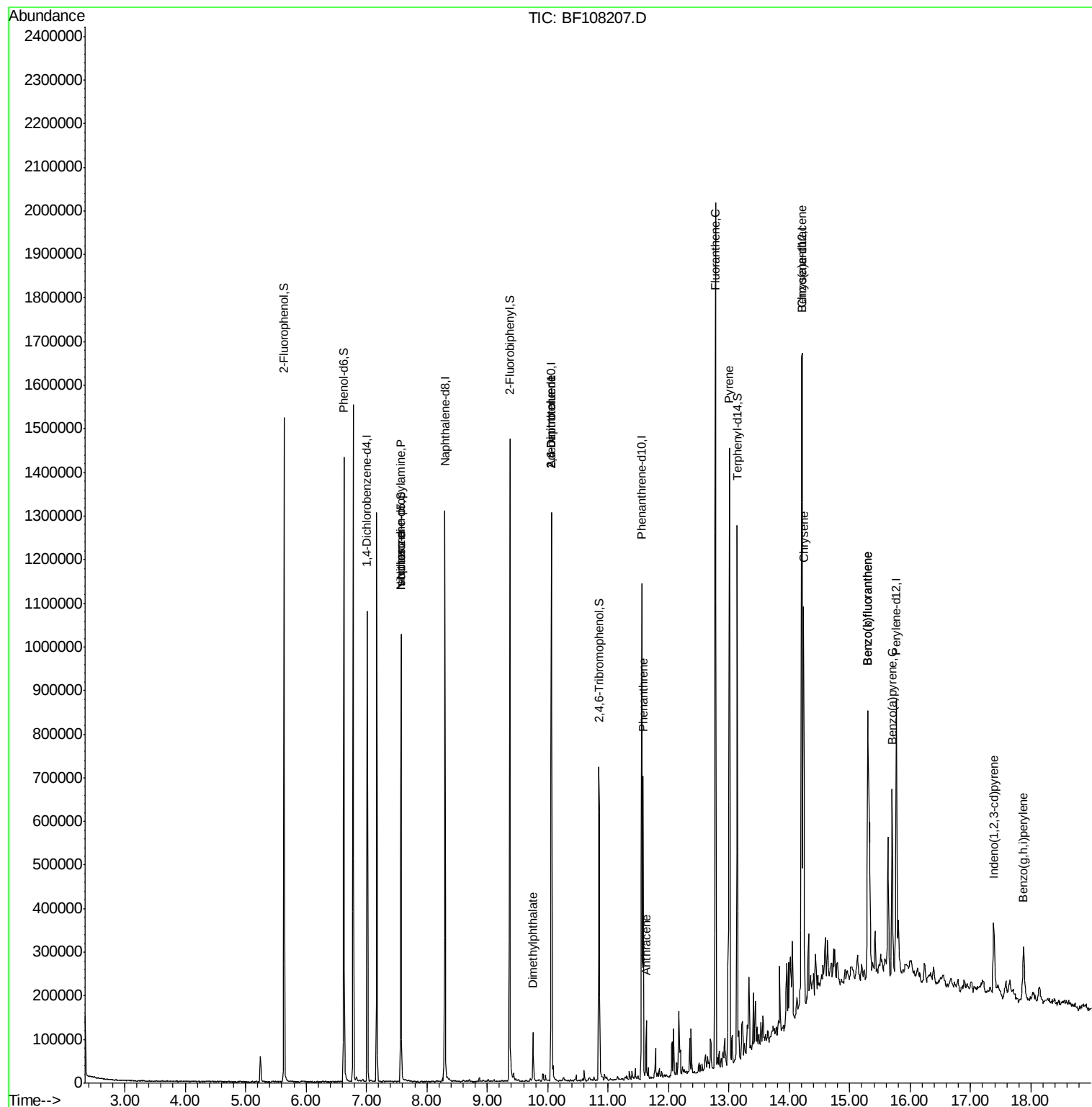
						Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	38301	4.936	ng	# 82
25) Isophorone	7.57	82	285814	14.668	ng	# 64
49) Dimethylphthalate	9.76	163	41792	2.413	ng	# 97
50) 2,6-Dinitrotoluene	10.06	165	31039	8.566	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	31039	6.655	ng	# 23
70) Phenanthrene	11.58	178	244071	12.096	ng	97
71) Anthracene	11.63	178	47898	2.316	ng	99
74) Fluoranthene	12.78	202	746804	33.912	ng	95
77) Pyrene	13.01	202	618235	23.215	ng	99
80) Benzo(a)anthracene	14.20	228	349714	14.487	ng	99
82) Chrysene	14.24	228	316969	14.322	ng	99
85) Indeno(1,2,3-cd)pyrene	17.38	276	120262	6.271	ng	# 89
87) Benzo(b)fluoranthene	15.30	252	514132	27.168	ng	97
88) Benzo(k)fluoranthene	15.30	252	514132	29.554	ng	# 97
89) Benzo(a)pyrene	15.70	252	226195	13.348	ng	96
91) Benzo(g,h,i)perylene	17.88	276	114099	8.264	ng	# 91

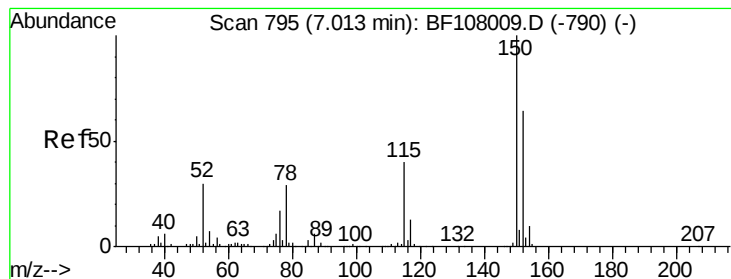
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
Data File : BF108207.D
Acq On : 16 Aug 2018 20:50
Operator : JU/SJ
Sample : J4499-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Quant Time: Aug 17 04:05:56 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



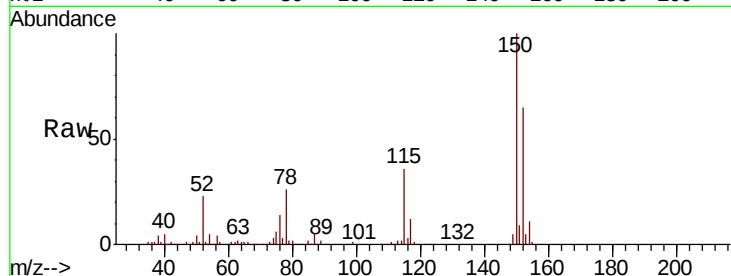


#1

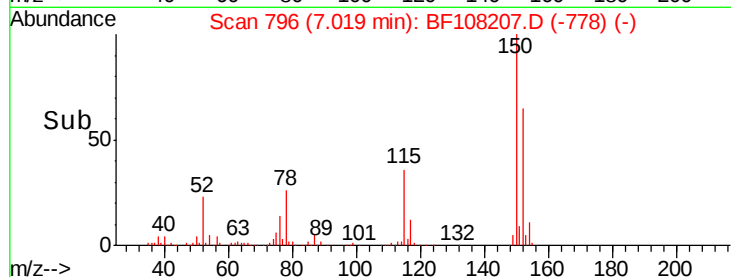
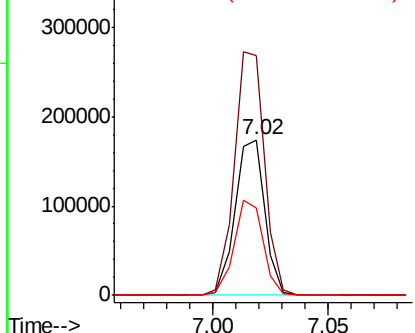
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tgt Ion:152 Resp: 156320
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 56.1 50.1 75.1



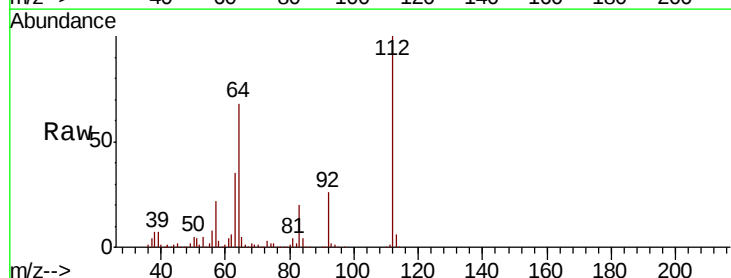
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



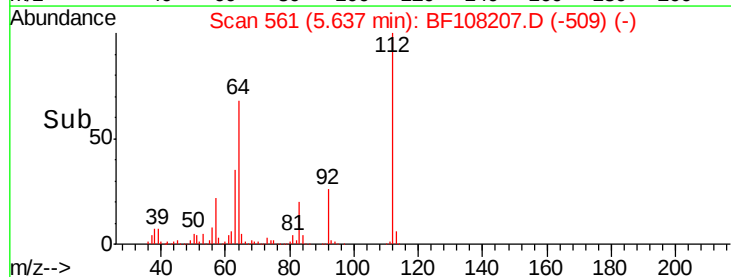
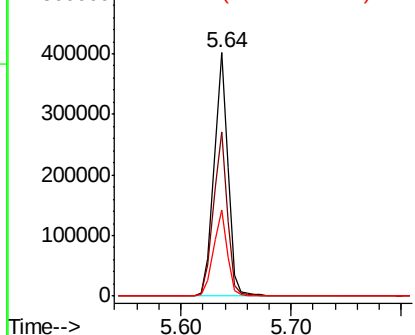
#5

2-Fluorophenol
Concen: 40.295 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion:112 Resp: 347915
Ion Ratio Lower Upper
112 100
64 67.7 47.9 71.9
63 35.2 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: 38.411 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

ClientSampleId :

LSB-07(0-1)

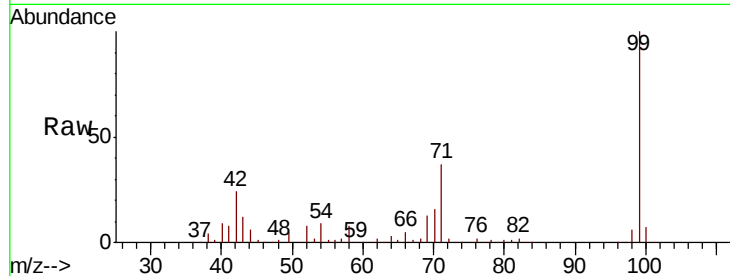
Tgt Ion: 99 Resp: 440718

Ion Ratio Lower Upper

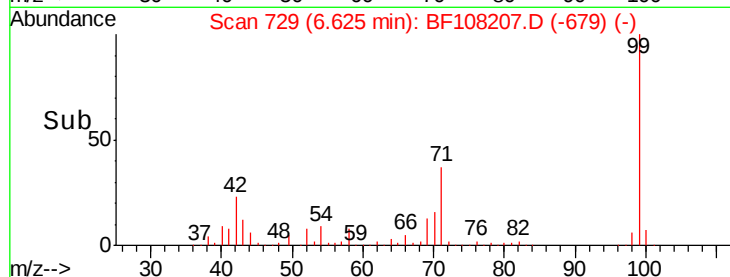
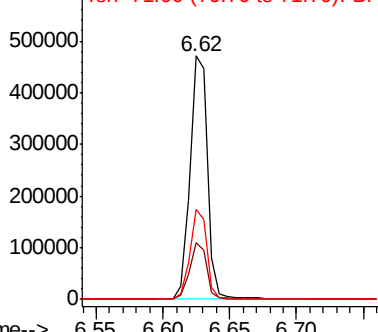
99 100

42 23.5 14.5 21.7#

71 37.1 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: 4.936 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Tgt Ion: 70 Resp: 38301

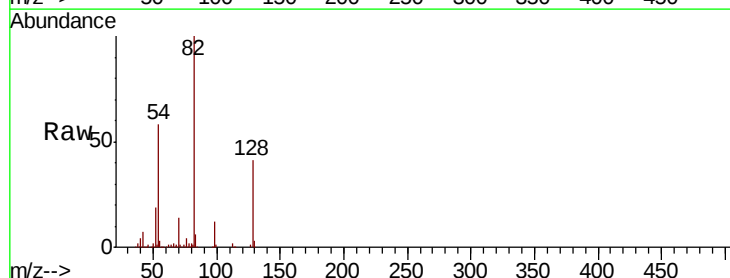
Ion Ratio Lower Upper

70 100

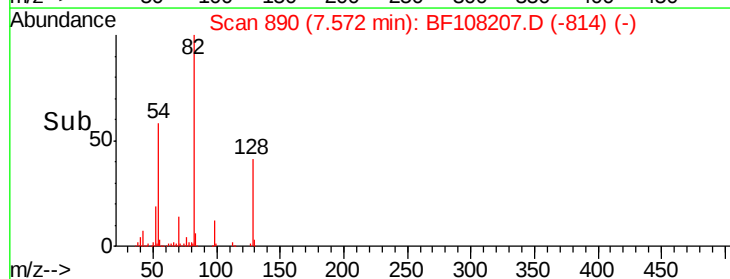
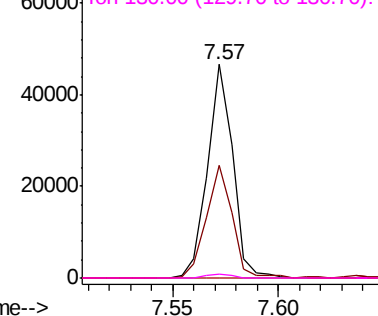
42 52.8 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 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

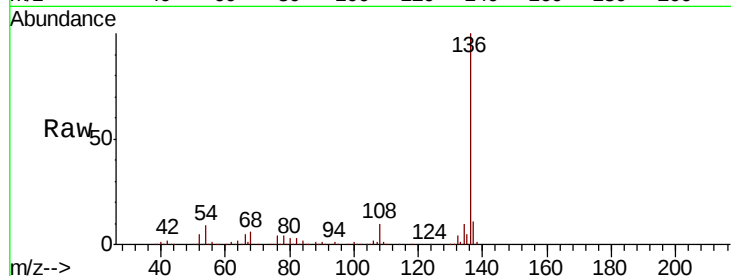




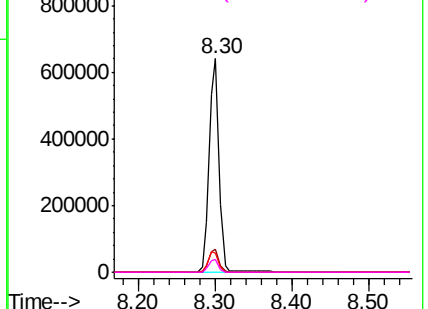
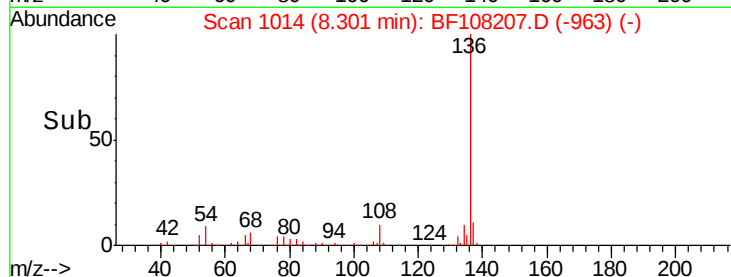
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tgt Ion:	136	Resp:	570454
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.2	6.6	9.8
68	5.8	5.0	7.4

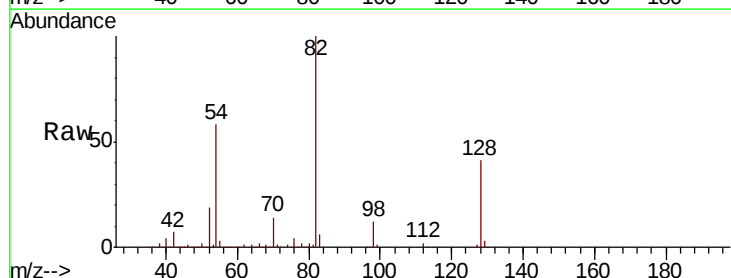


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

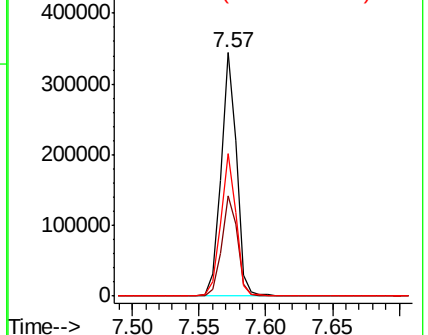
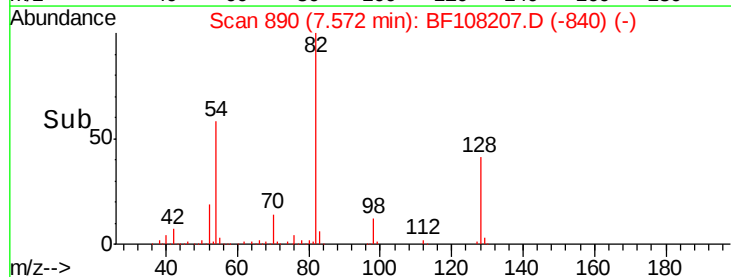


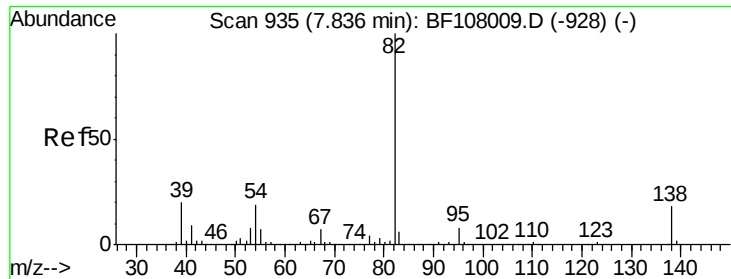
#23
Nitrobenzene-d5
Concen: 27.959 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion:	82	Resp:	285818
Ion	Ratio	Lower	Upper
82	100		
128	41.3	36.1	54.1
54	58.5	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: 14.668 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

ClientSampleId :

LSB-07(0-1)

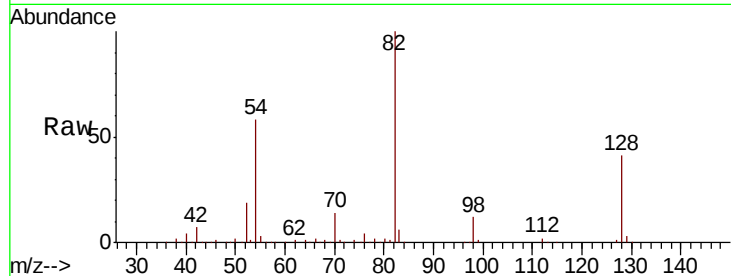
Tgt Ion: 82 Resp: 285814

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

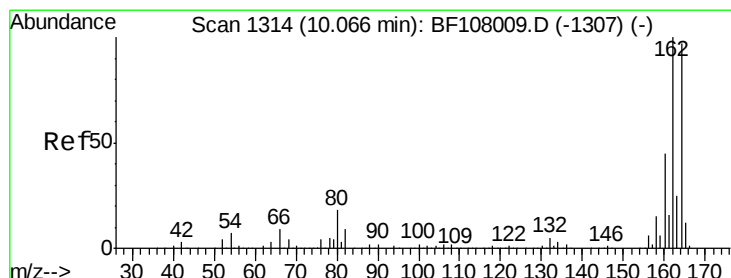
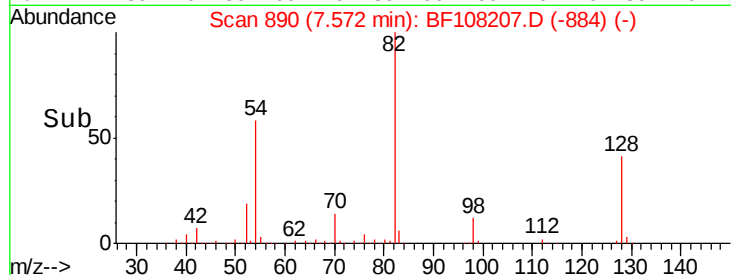
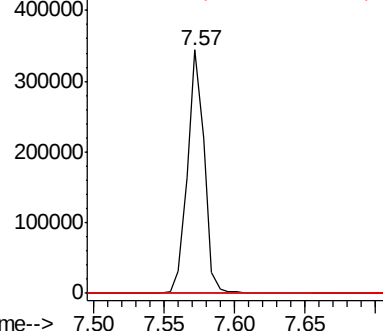
138 0.0 14.9 22.3#



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: BF108207.D

Acq: 16 Aug 2018 20:50

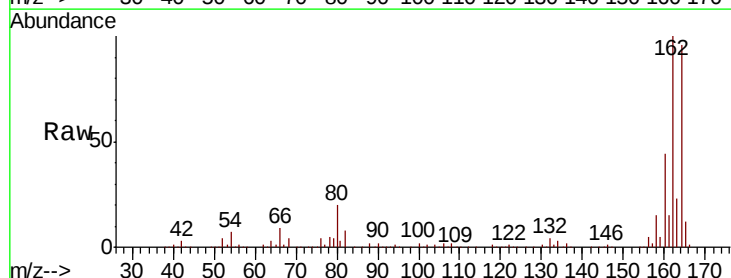
Tgt Ion: 164 Resp: 248639

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

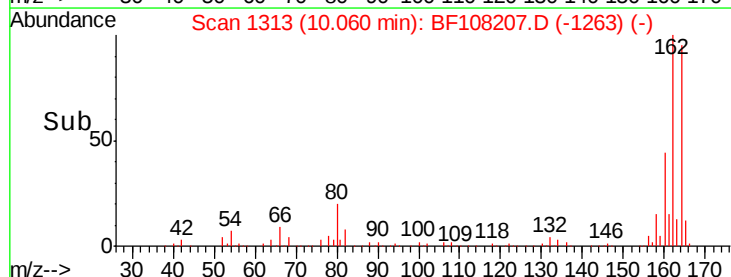
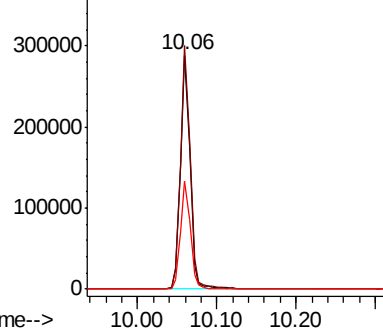
160 46.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

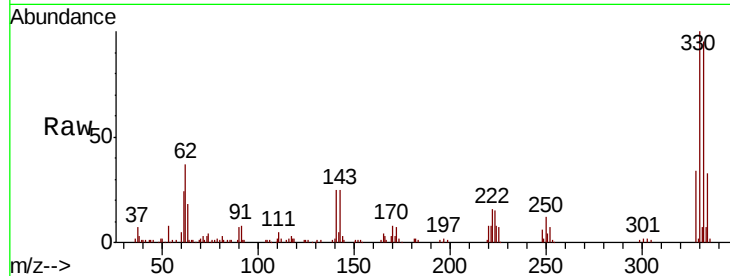




#41
 2,4,6-Tribromophenol
 Concen: 35.577 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	32.7	29.9	44.9

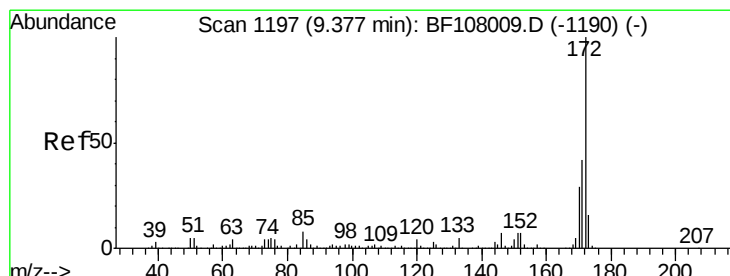
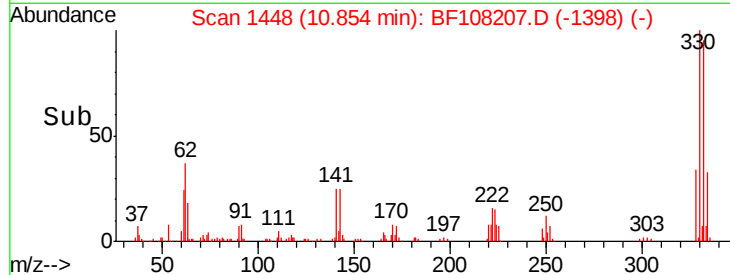
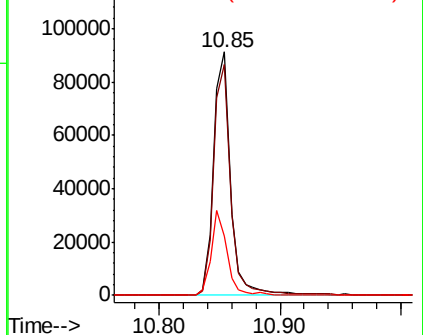


Abundance

Ion 329.80 (329.50 to 330.50): E

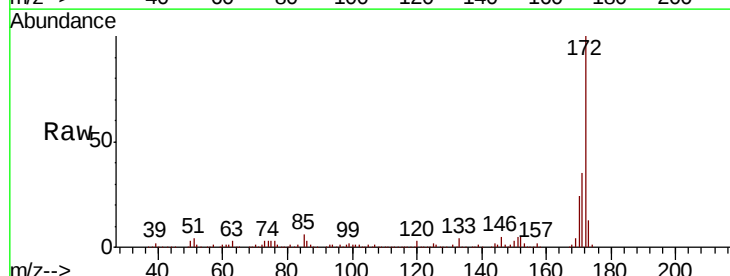
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 30.643 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.9	19.6	29.4

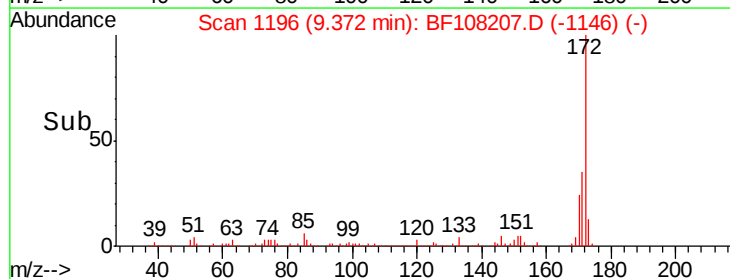
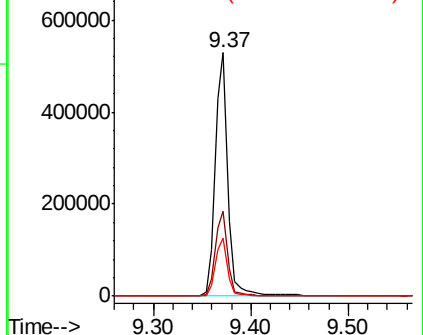


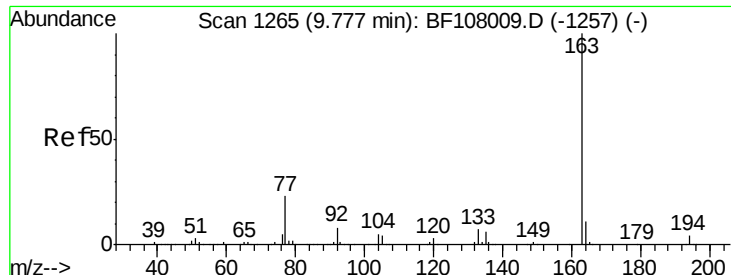
Abundance

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

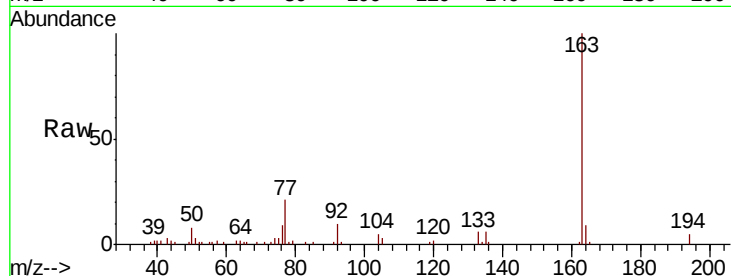




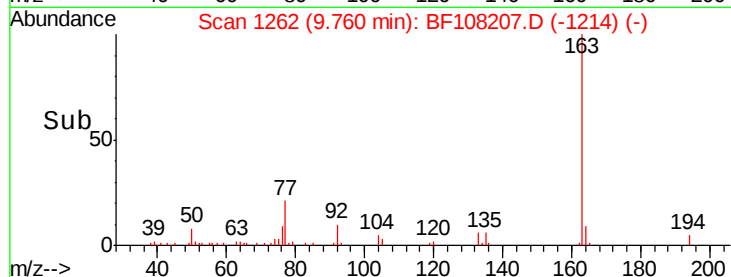
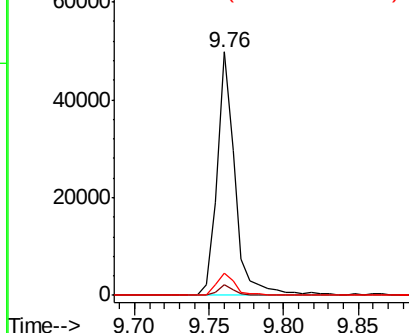
#49
Dimethylphthalate
Concen: 2.413 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tgt Ion:163 Resp: 41792
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 9.3 8.2 12.2

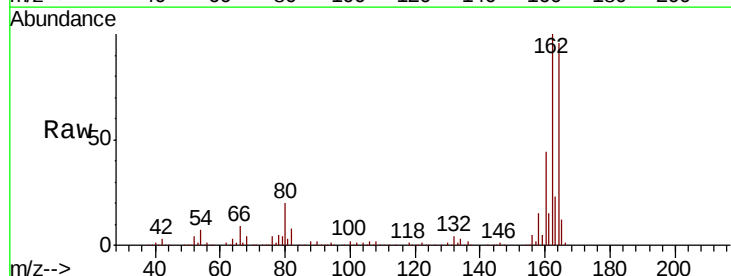


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

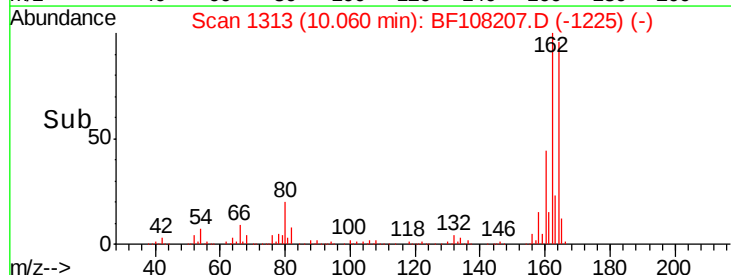
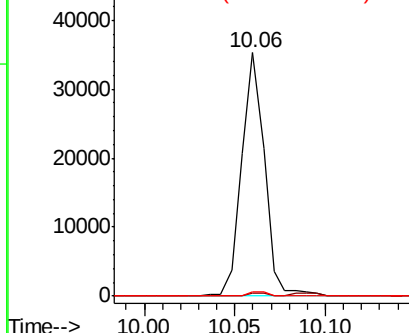


#50
2,6-Dinitrotoluene
Concen: 8.566 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion:165 Resp: 31039
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.5 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

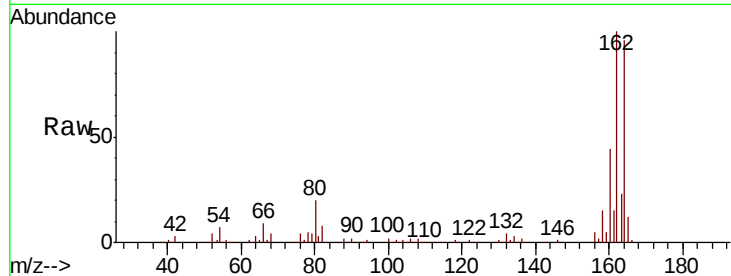




#56
 2,4-Dinitrotoluene
 Concen: 6.655 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

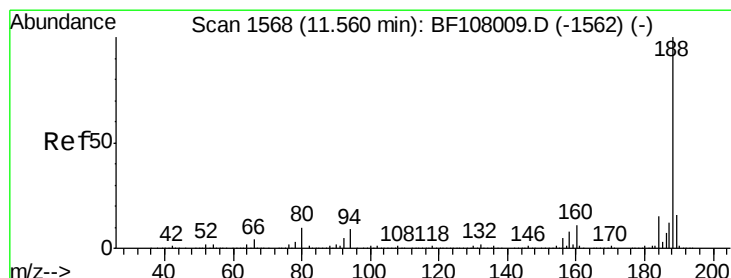
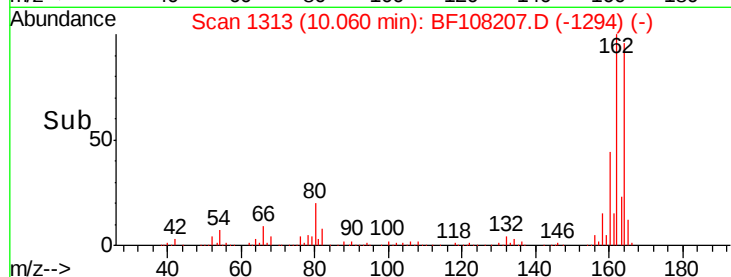
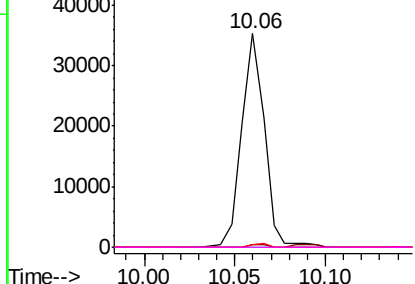


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

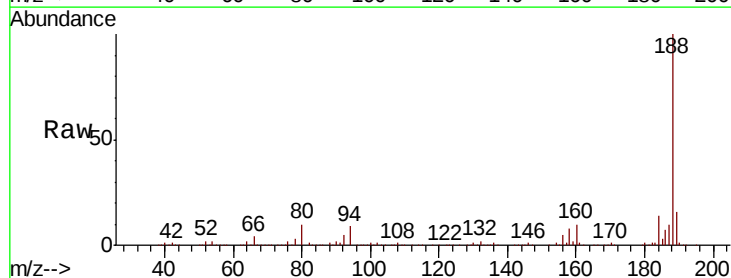
Ion 89.00 (88.70 to 89.70): BF1

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: BF108207.D
 Acq: 16 Aug 2018 20:50

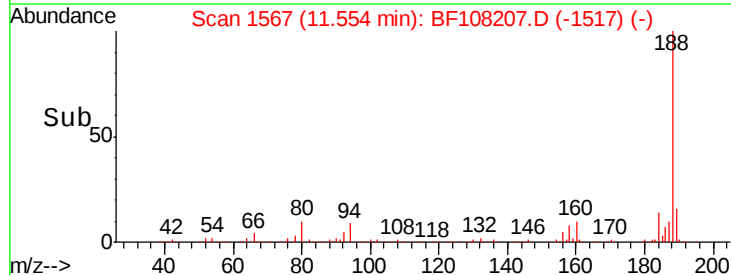
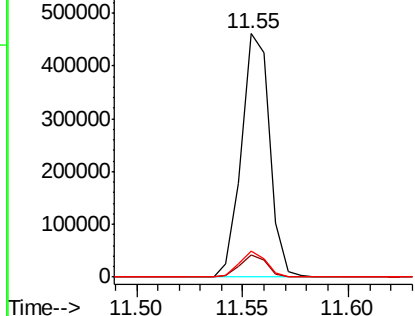
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.5	9.2	13.8

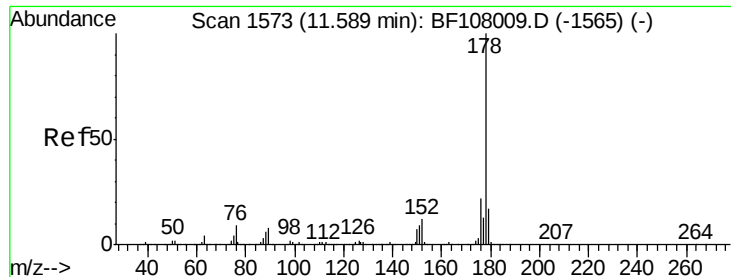


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

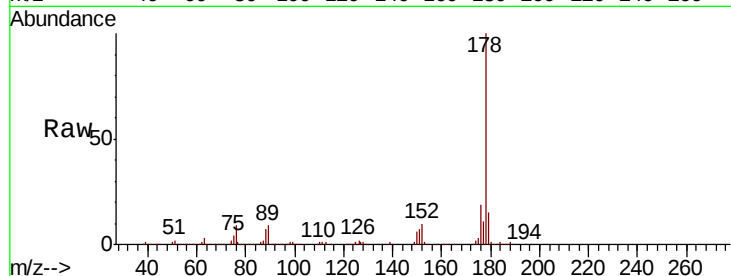




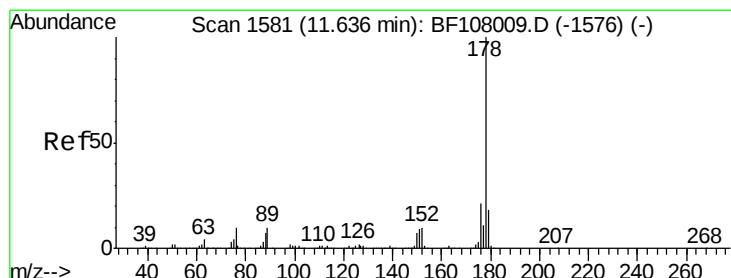
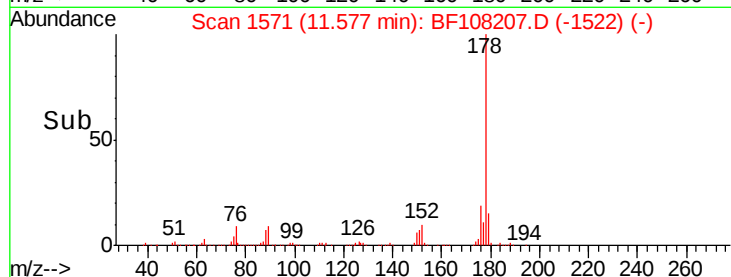
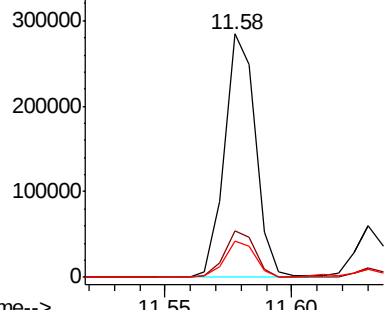
#70
Phenanthrene
Concen: 12.096 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tgt Ion:178 Resp: 244071
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.7 13.0 19.6

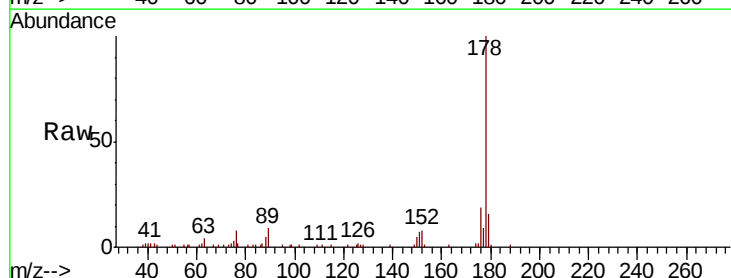


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

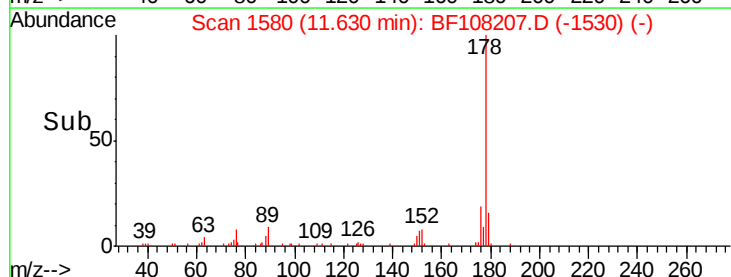
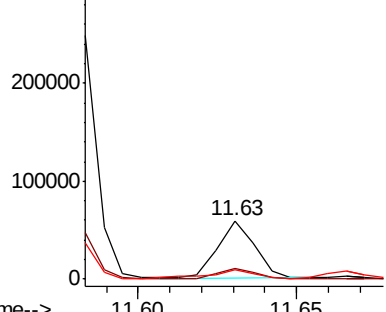


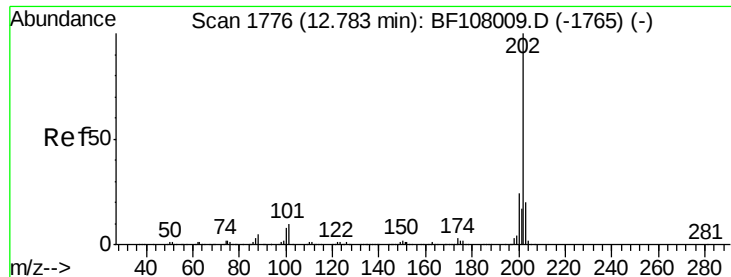
#71
Anthracene
Concen: 2.316 ng
RT: 11.63 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion:178 Resp: 47898
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.6 12.6 19.0



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: 33.912 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

ClientSampleId :

LSB-07(0-1)

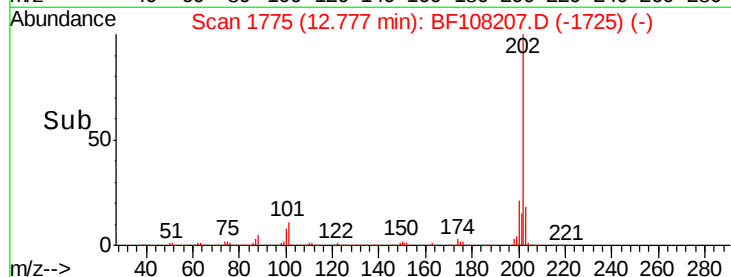
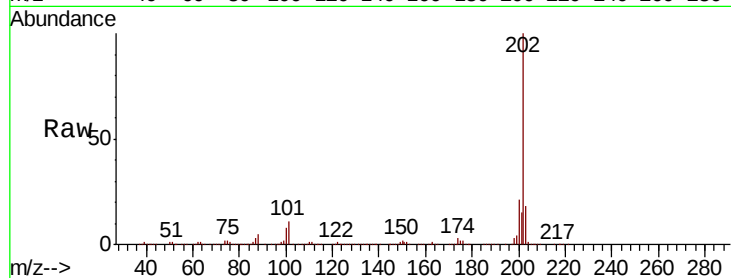
Tgt Ion:202 Resp: 746804

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

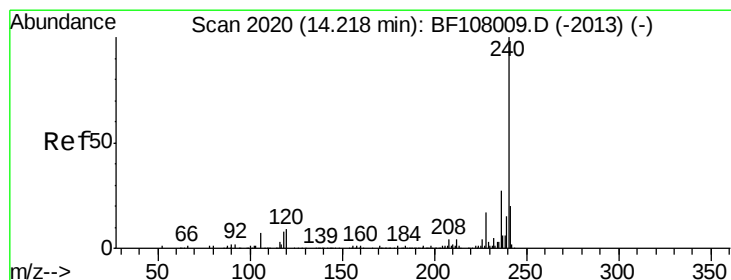
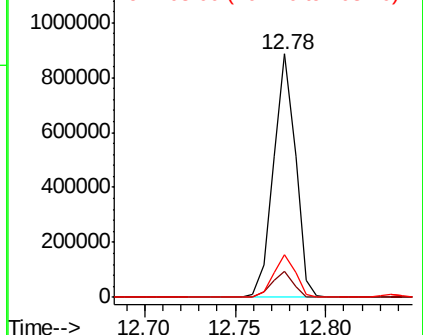
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

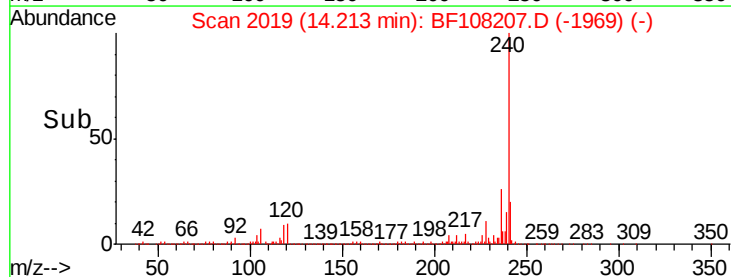
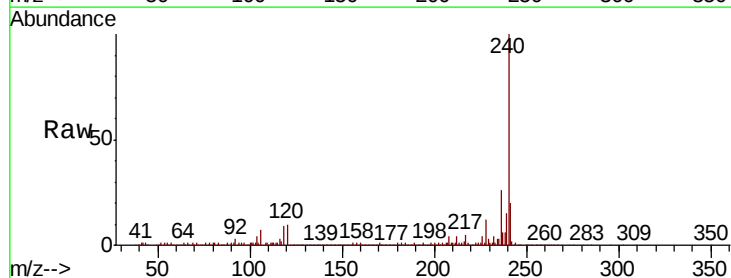
Tgt Ion:240 Resp: 420634

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

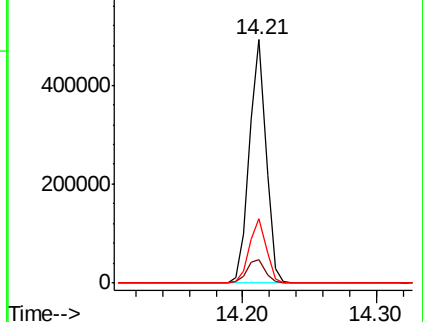
236 26.3 20.7 31.1

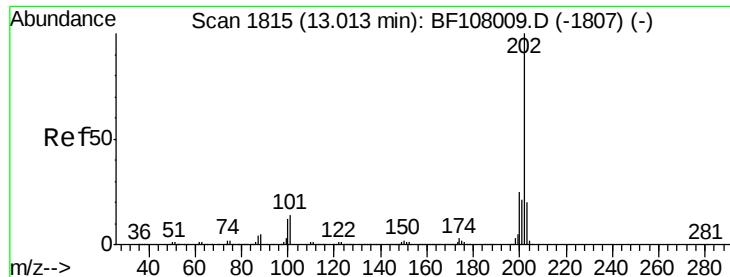


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

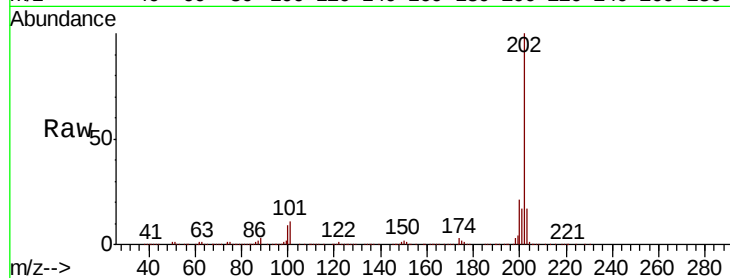




#77
 Pyrene
 Concen: 23.215 ng
 RT: 13.01 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5

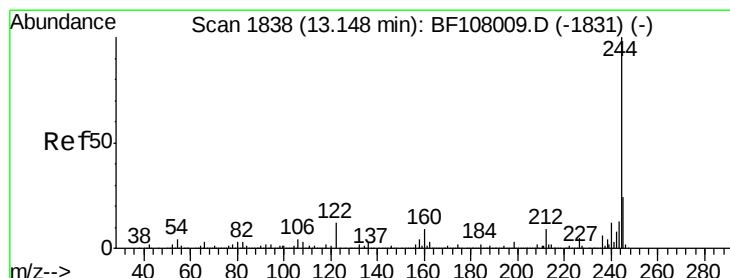
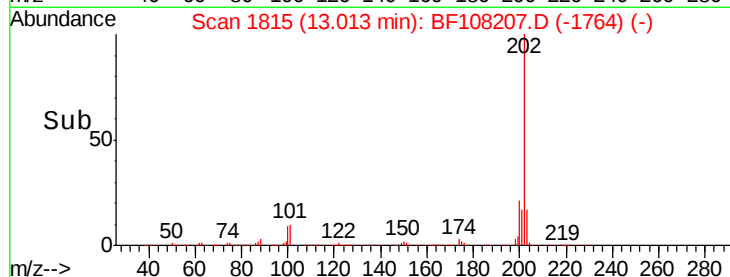
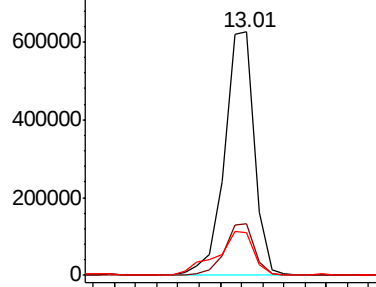


Abundance

Ion 202.00 (201.70 to 202.70): E

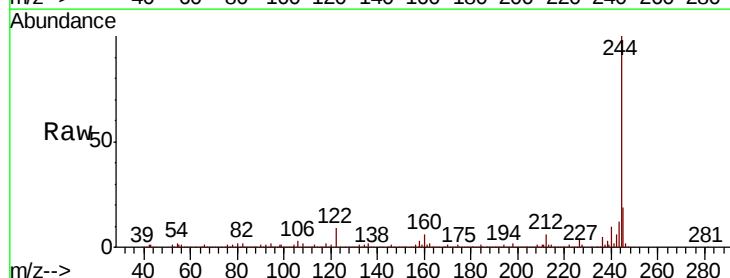
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
 Terphenyl-d14
 Concen: 26.223 ng
 RT: 13.14 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.6	11.0	16.4#

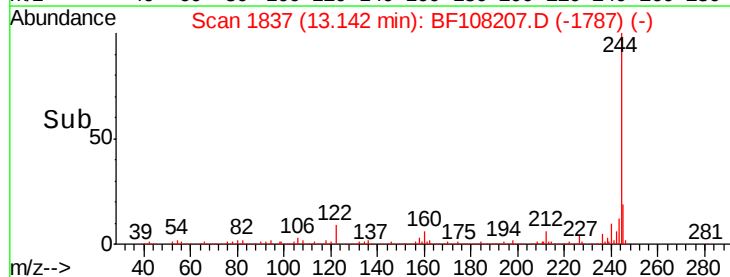
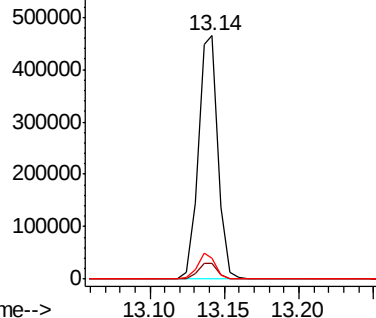


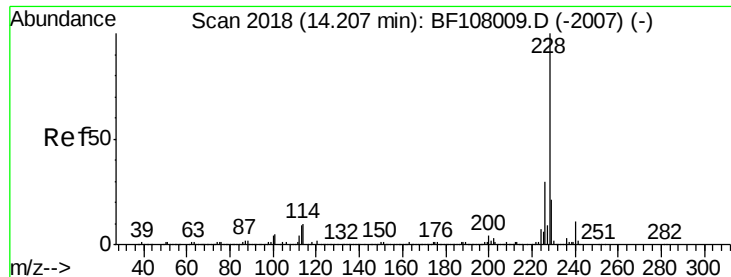
Abundance

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

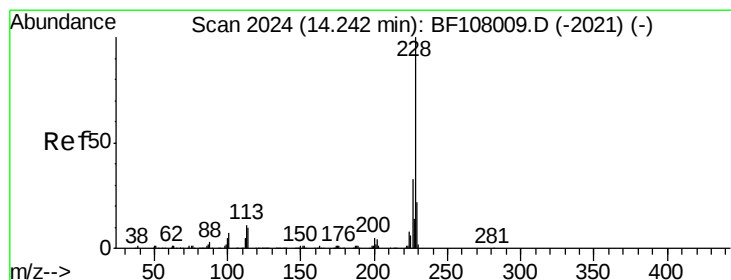
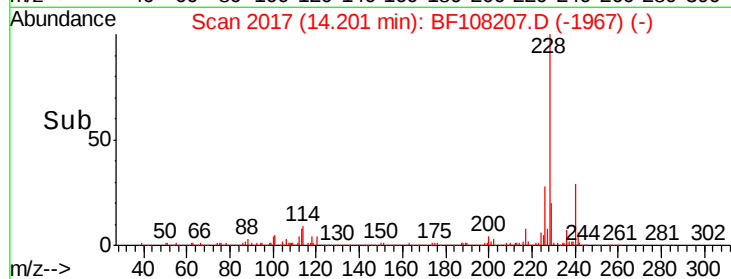
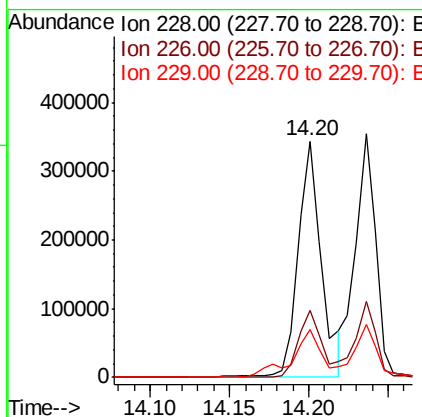
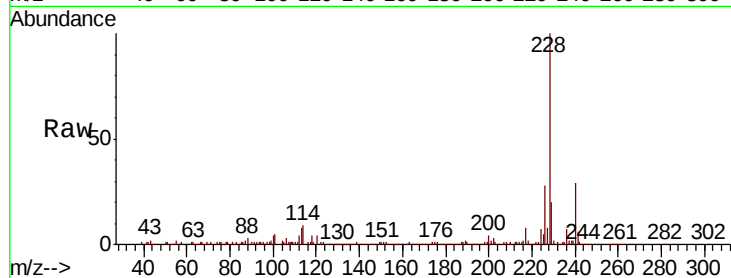




#80
Benzo(a)anthracene
Concen: 14.487 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

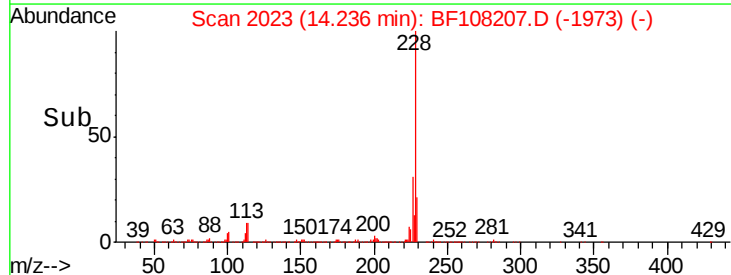
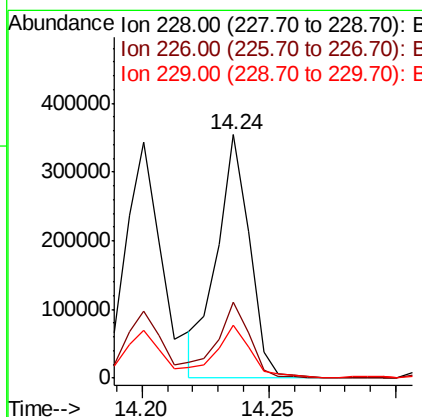
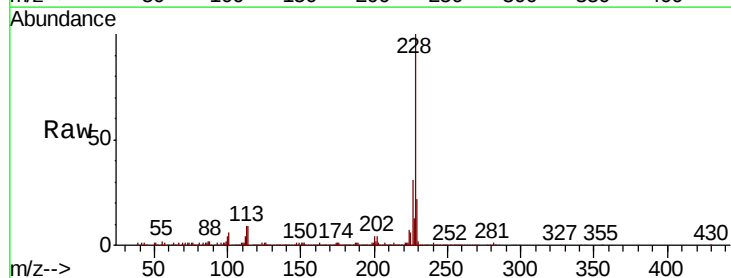
Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

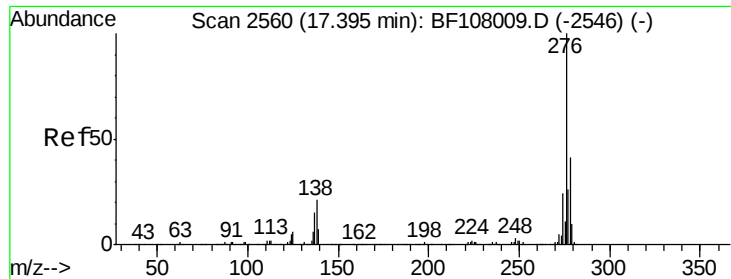
Tgt Ion:228 Resp: 349714
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 20.3 15.8 23.6



#82
Chrysene
Concen: 14.322 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion:228 Resp: 316969
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 21.6 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.271 ng

RT: 17.38 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

ClientSampleId :

LSB-07(0-1)

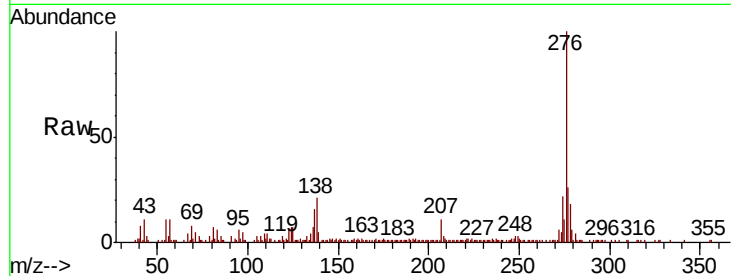
Tgt Ion:276 Resp: 120262

Ion Ratio Lower Upper

276 100

138 20.4 25.0 37.6#

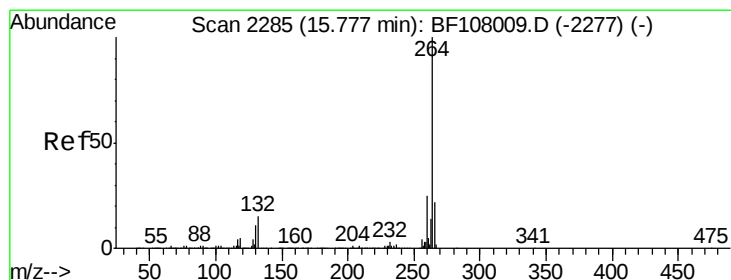
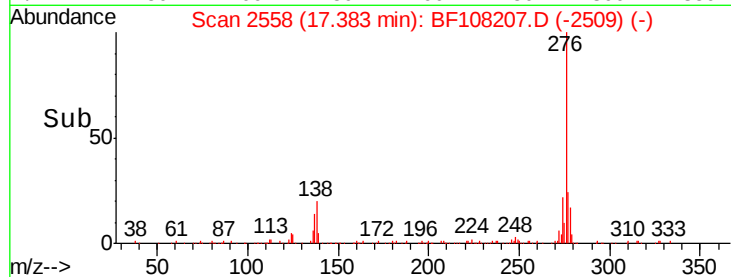
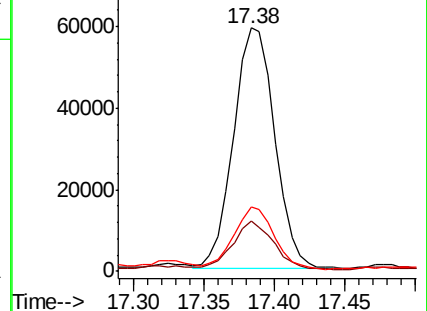
277 25.2 20.1 30.1



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: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

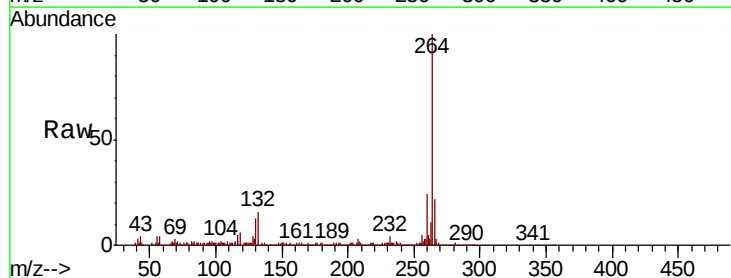
Tgt Ion:264 Resp: 316706

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

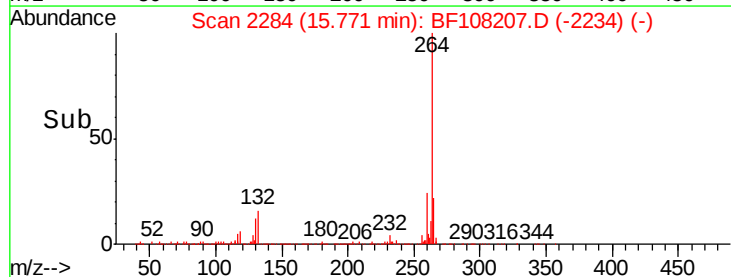
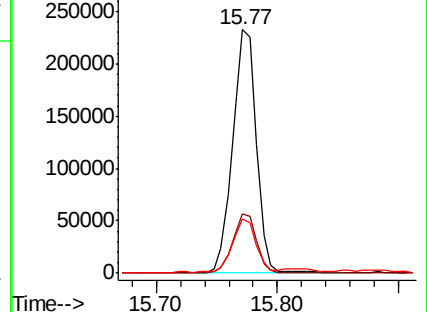
265 22.3 17.5 26.3

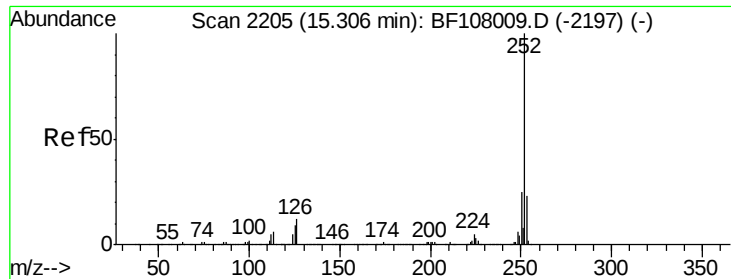


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 27.168 ng

RT: 15.30 min Scan# 2204

Delta R.T. -0.01 min

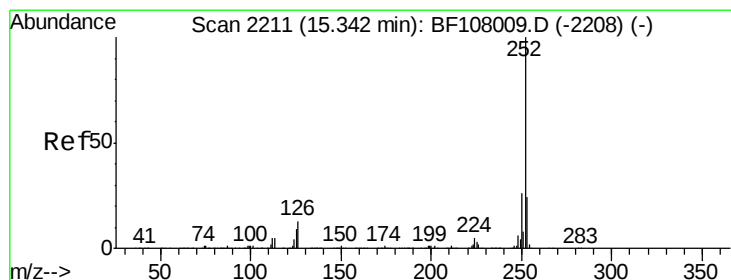
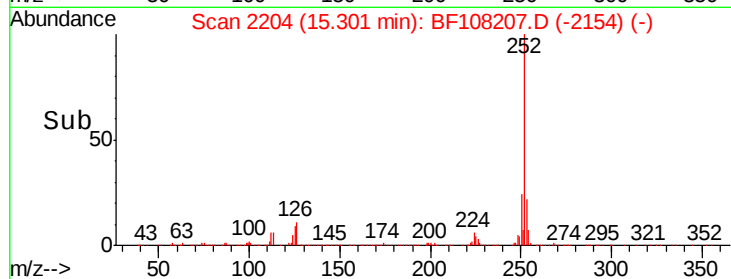
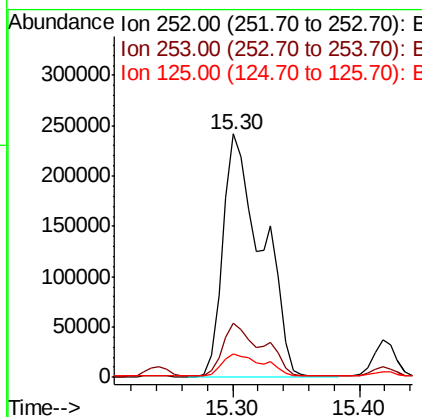
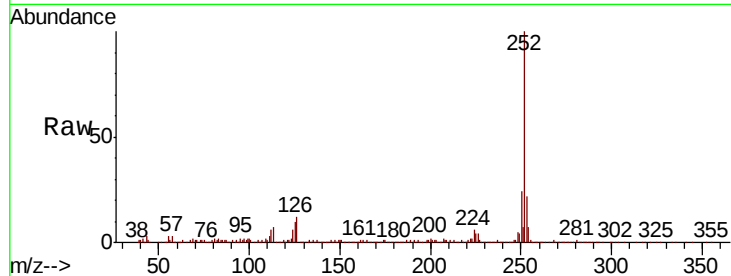
Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tgt Ion:252 Resp: 514132

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.6	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 29.554 ng

RT: 15.30 min Scan# 2204

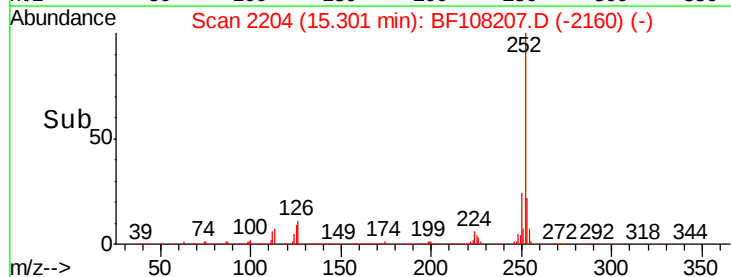
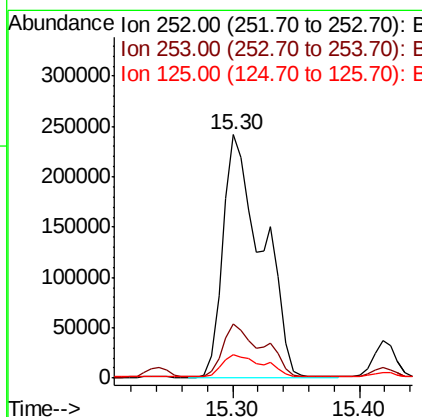
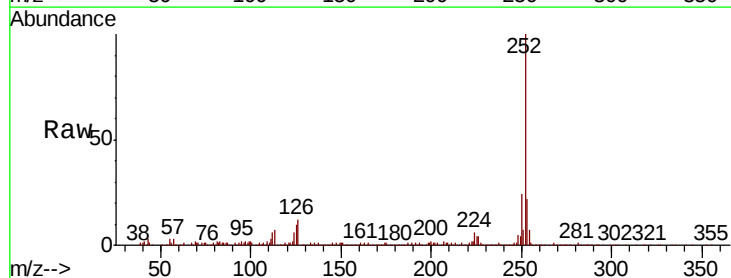
Delta R.T. -0.04 min

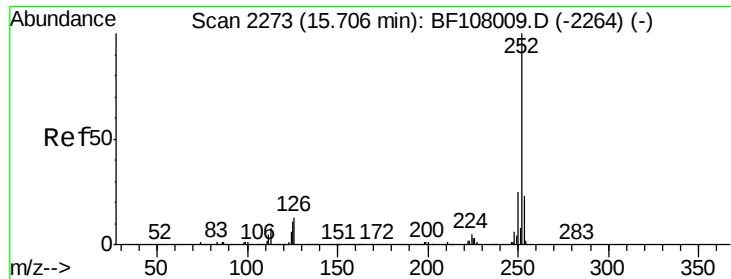
Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Tgt Ion:252 Resp: 514132

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	9.6	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 13.348 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

ClientSampleId :

LSB-07(0-1)

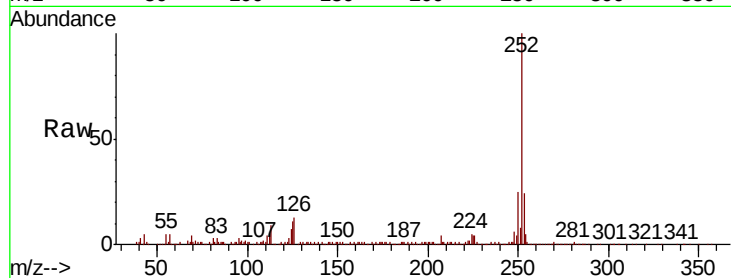
Tgt Ion:252 Resp: 226195

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

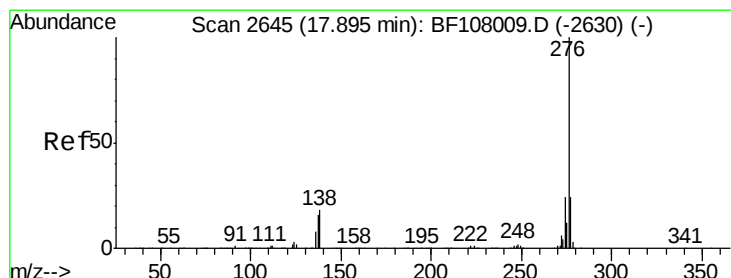
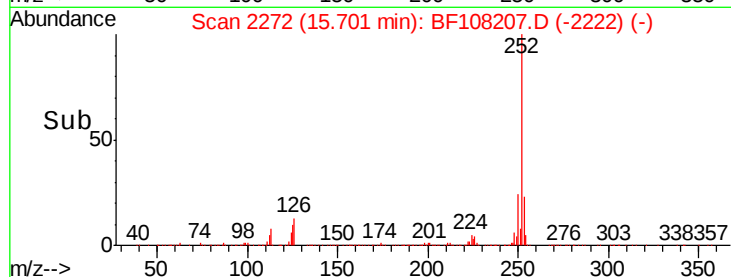
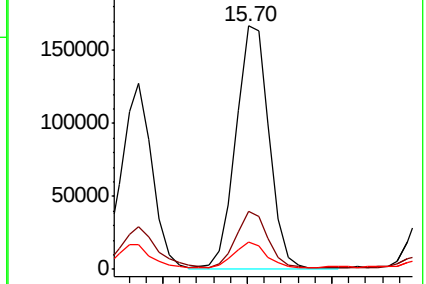
125 11.1 9.8 14.6



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: 8.264 ng

RT: 17.88 min Scan# 2642

Delta R.T. -0.02 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

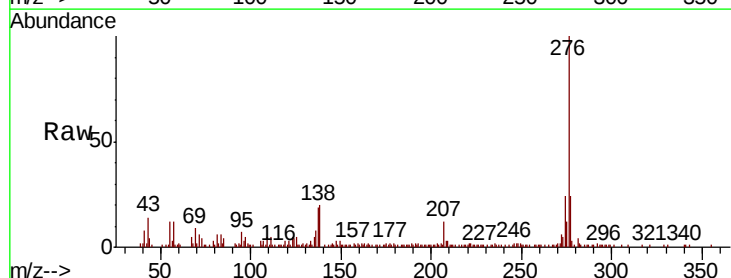
Tgt Ion:276 Resp: 114099

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 20.1 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

