

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082818\
 Data File : BF108563.D
 Acq On : 28 Aug 2018 18:45
 Operator : JU/SJ
 Sample : J4277-11 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-082718-B

Quant Time: Aug 29 01:34:14 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	110212	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	429299	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	193713	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	332368	20.00	ng	0.00
75) Chrysene-d12	14.19	240	303426	20.00	ng	0.00
86) Perylene-d12	15.75	264	238214	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	82222	13.51	ng	0.01
7) Phenol-d6	6.64	99	127841	15.80	ng	0.00
23) Nitrobenzene-d5	7.56	82	80638	10.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	26783	13.86	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	163584	13.56	ng	-0.01
78) Terphenyl-d14	13.12	244	145686	12.21	ng	-0.01

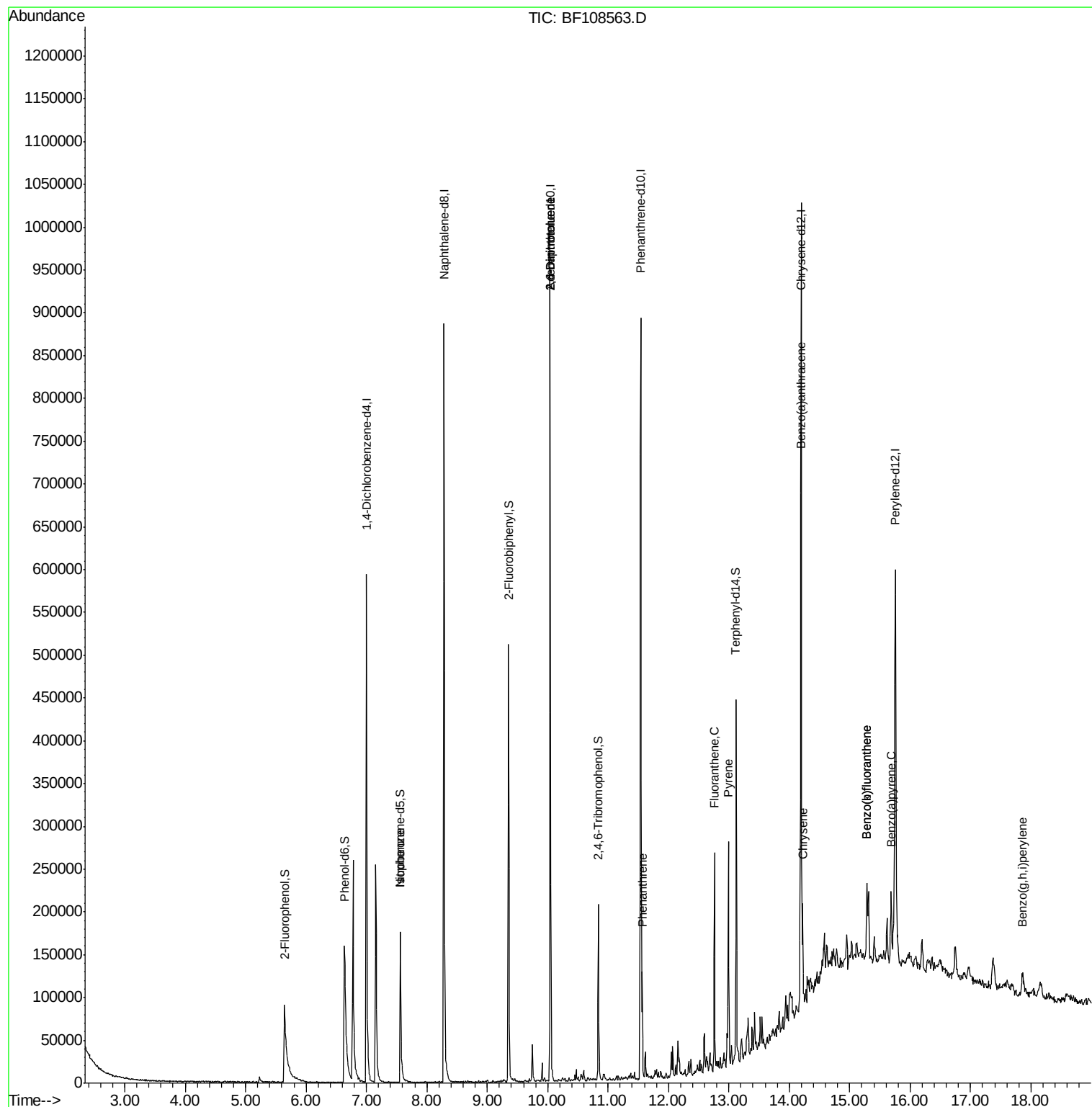
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.56	82	80638	5.499	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	24934	8.832	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	24934	6.861	ng	# 23
70) Phenanthrene	11.57	178	44488	2.838	ng	99
74) Fluoranthene	12.76	202	95359	5.574	ng	95
77) Pyrene	13.00	202	107904	5.617	ng	98
80) Benzo(a)anthracene	14.18	228	46554	2.673	ng	96
82) Chrysene	14.22	228	43742	2.740	ng	97
87) Benzo(b)fluoranthene	15.28	252	69303	4.869	ng	# 91
88) Benzo(k)fluoranthene	15.28	252	69303	5.296	ng	# 91
89) Benzo(a)pyrene	15.68	252	41402	3.248	ng	98
91) Benzo(g,h,i)perylene	17.86	276	21451	2.066	ng	# 90

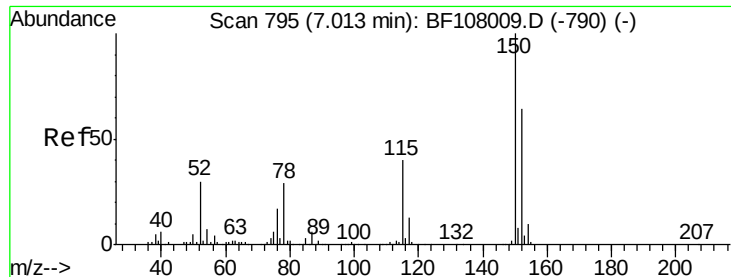
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082818\
Data File : BF108563.D
Acq On : 28 Aug 2018 18:45
Operator : JU/SJ
Sample : J4277-11 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

Quant Time: Aug 29 01:34:14 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 22 11:01:45 2018
Response via : Initial Calibration



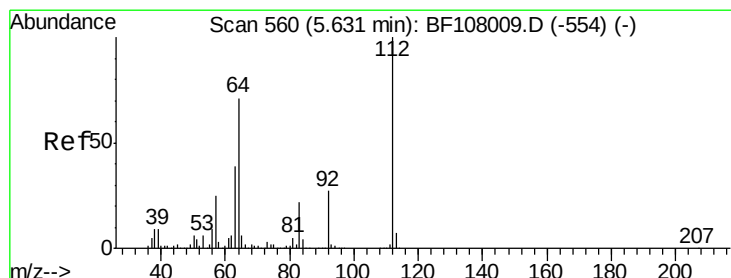
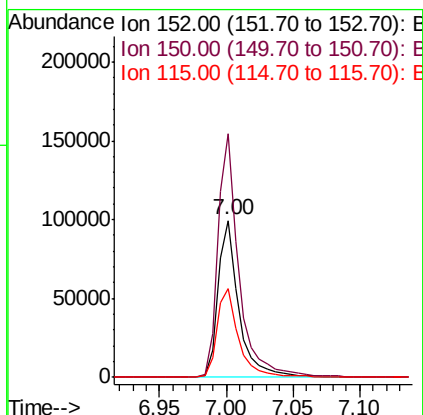
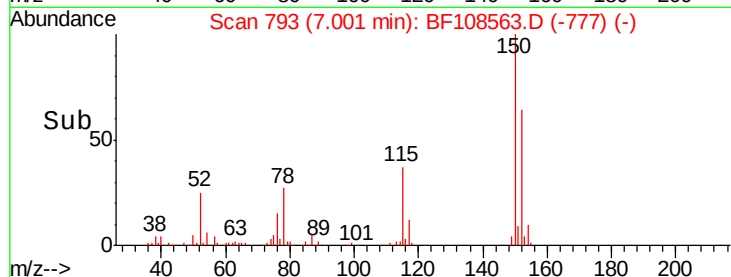
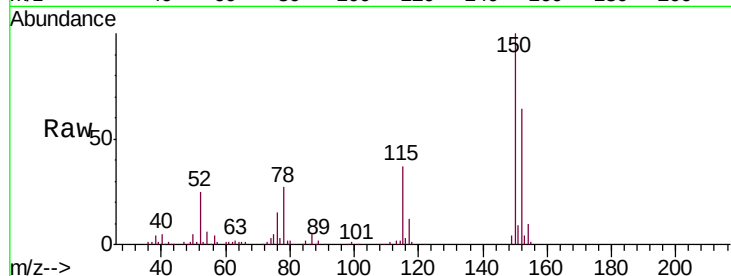


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

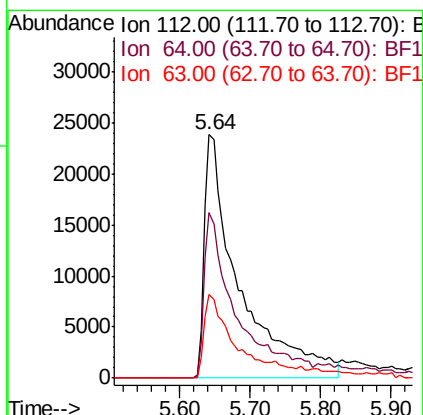
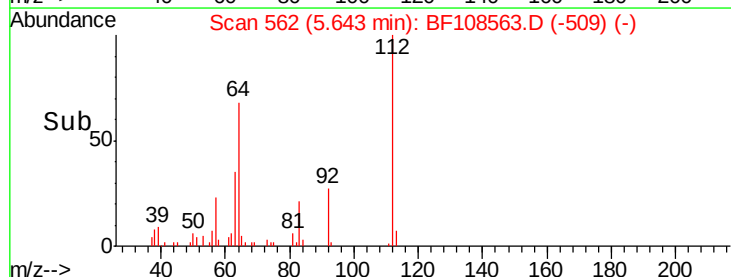
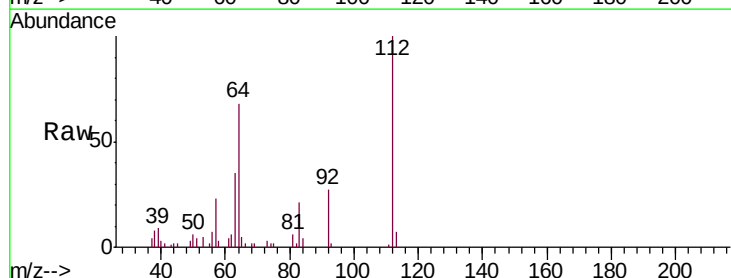
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	56.9	50.1	75.1

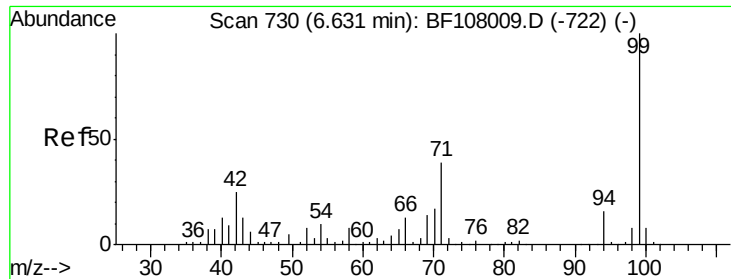


#5

2-Fluorophenol
Concen: 13.507 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	34.5	23.7	35.5





#7

Phenol-d6

Concen: 15.803 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

ClientSampleId :

OR-01-082718-B

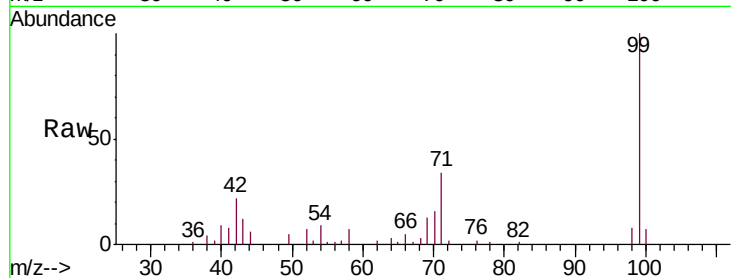
Tgt Ion: 99 Resp: 127841

Ion Ratio Lower Upper

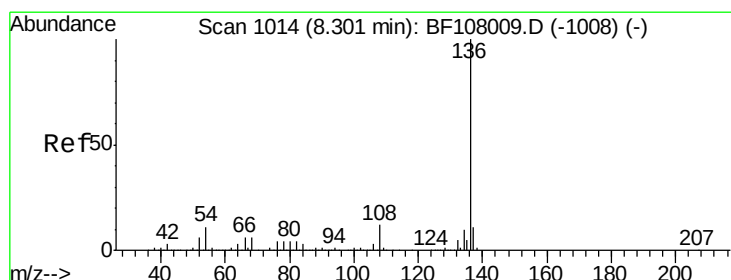
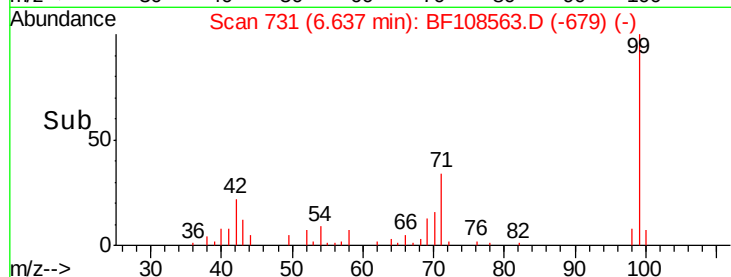
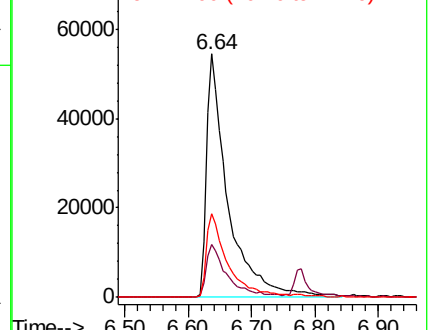
99 100

42 21.7 14.5 21.7

71 34.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Tgt Ion: 136 Resp: 429299

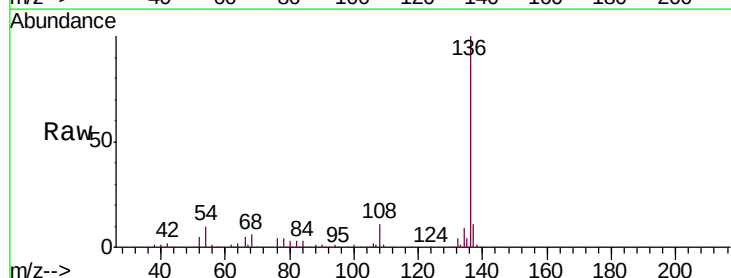
Ion Ratio Lower Upper

136 100

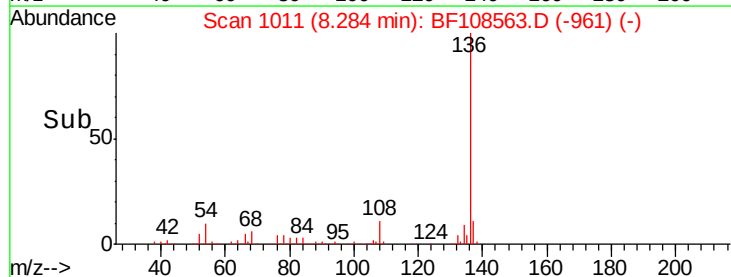
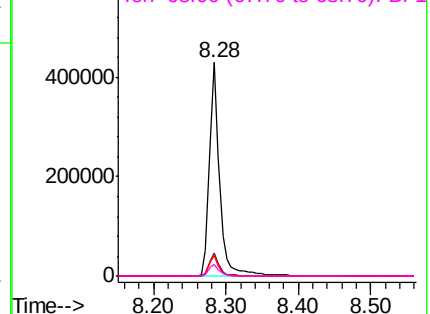
137 10.5 8.9 13.3

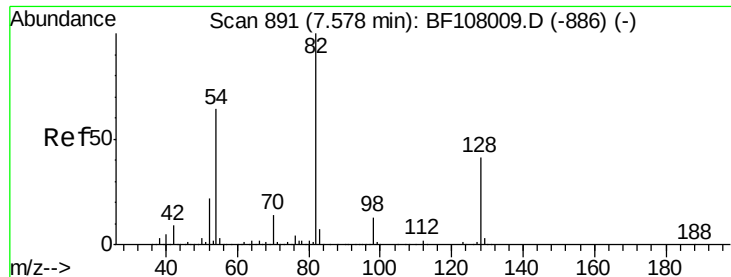
54 9.9 6.6 9.8#

68 5.7 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

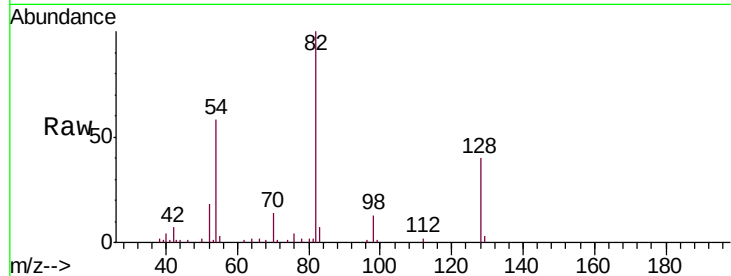




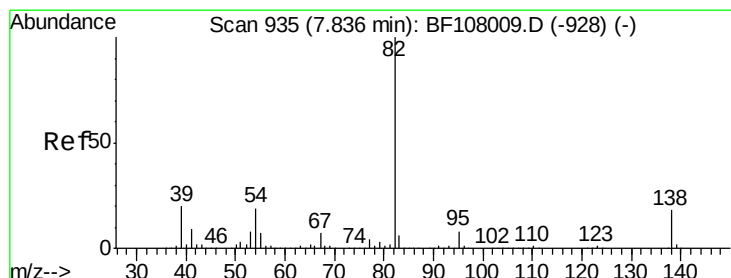
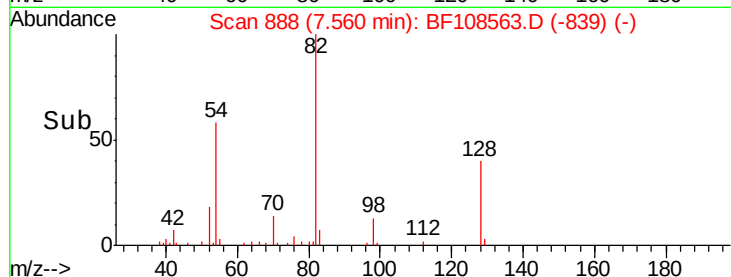
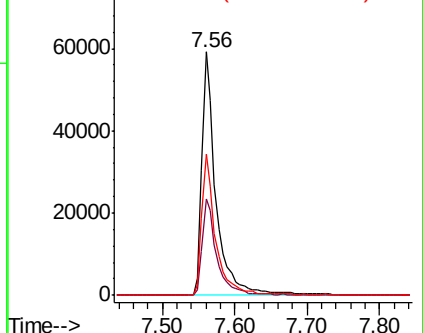
#23
 Nitrobenzene-d5
 Concen: 10.482 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-082718-B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.8	36.1	54.1
54	58.2	41.4	62.2

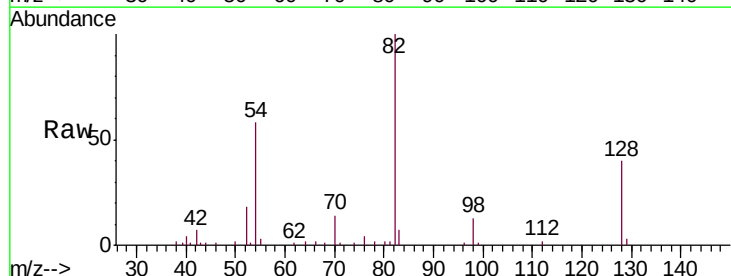


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

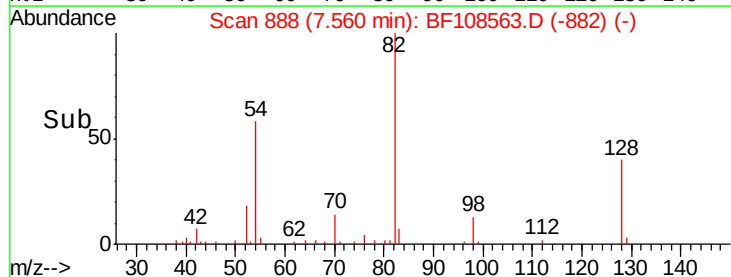
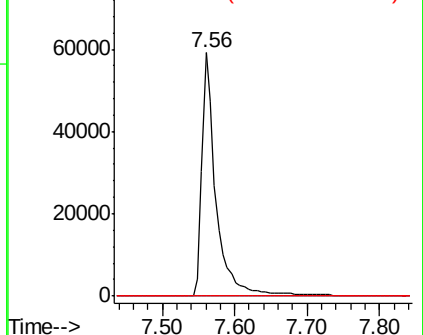


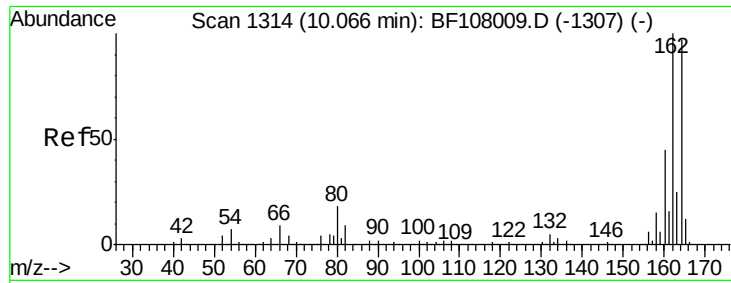
#25
 Isophorone
 Concen: 5.499 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.26 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Tgt 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

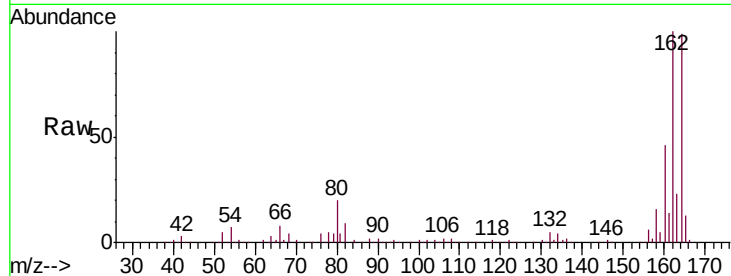




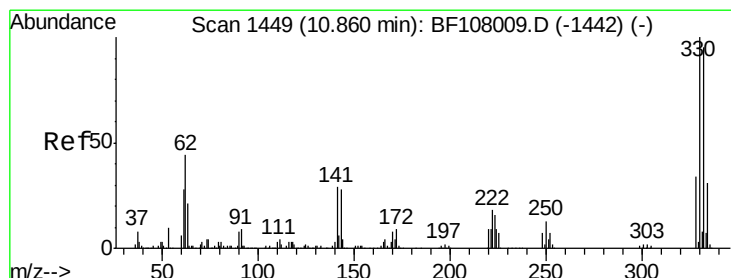
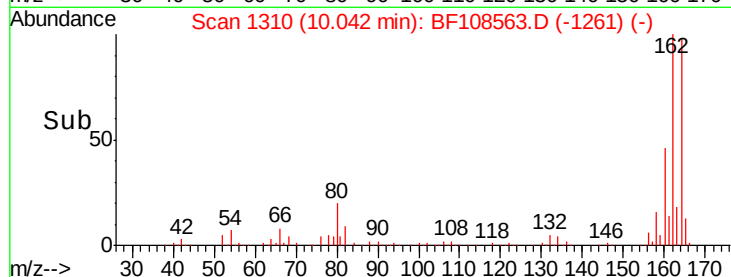
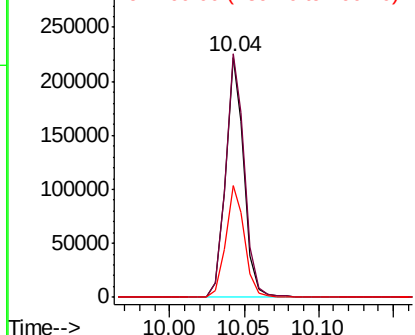
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-082718-B

Tgt Ion:164 Resp: 193713
 Ion Ratio Lower Upper
 164 100
 162 101.4 86.1 129.1
 160 46.4 38.3 57.5

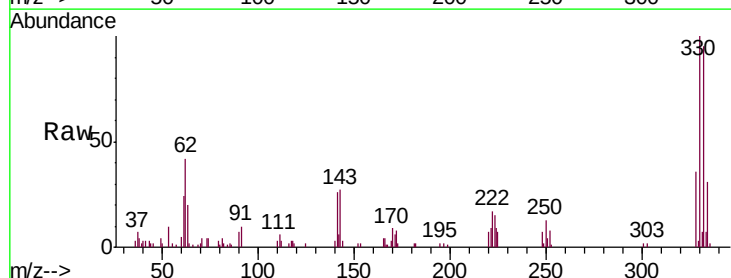


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

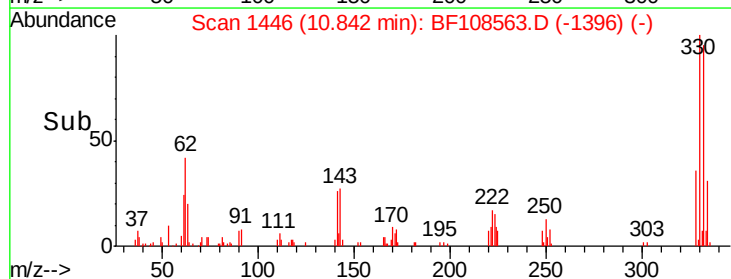
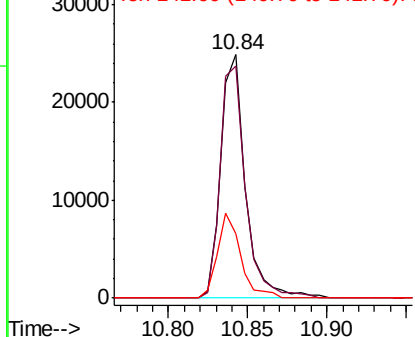


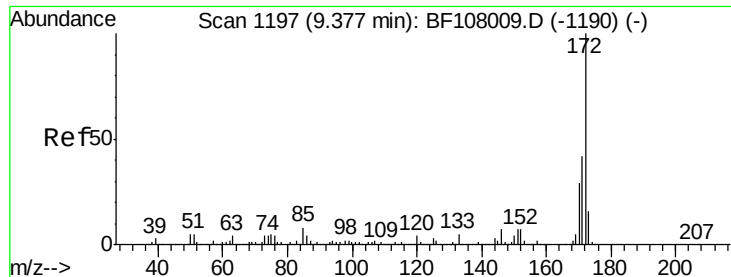
#41
 2,4,6-Tribromophenol
 Concen: 13.861 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Tgt Ion:330 Resp: 26783
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 33.0 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

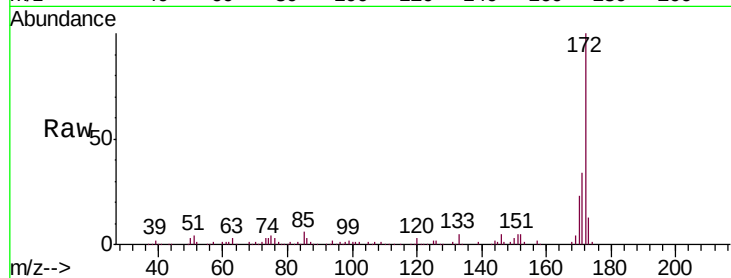




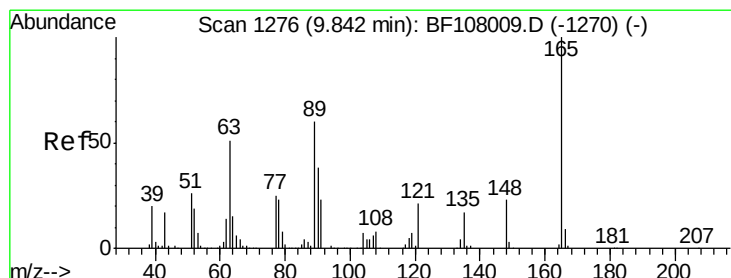
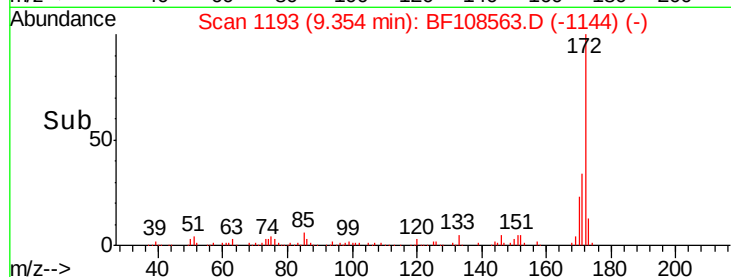
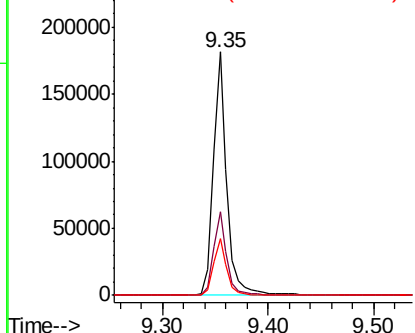
#44
2-Fluorobiphenyl
Concen: 13.558 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

Tgt Ion:172 Resp: 163584
Ion Ratio Lower Upper
172 100
171 34.4 29.7 44.5
170 23.2 19.6 29.4

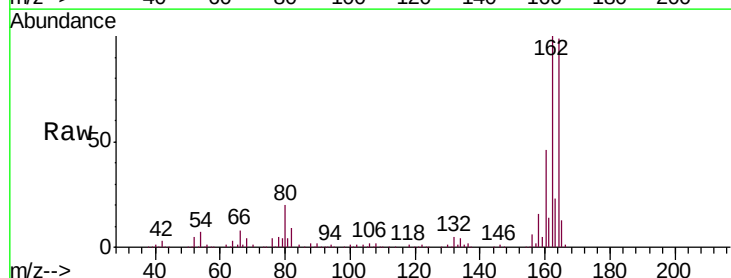


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

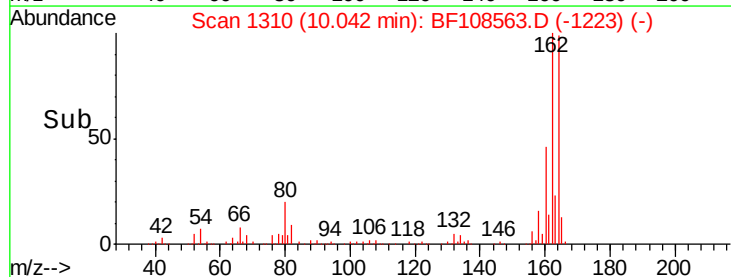
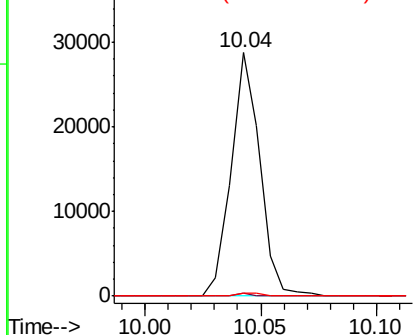


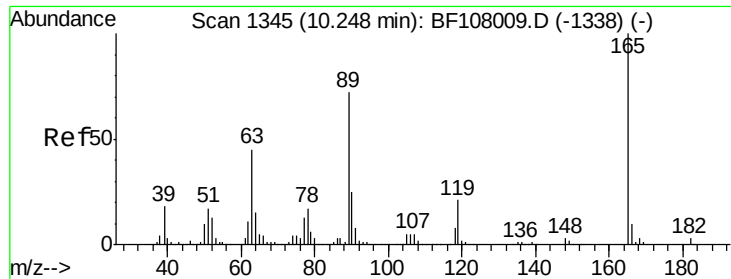
#50
2,6-Dinitrotoluene
Concen: 8.832 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Tgt Ion:165 Resp: 24934
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.3 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

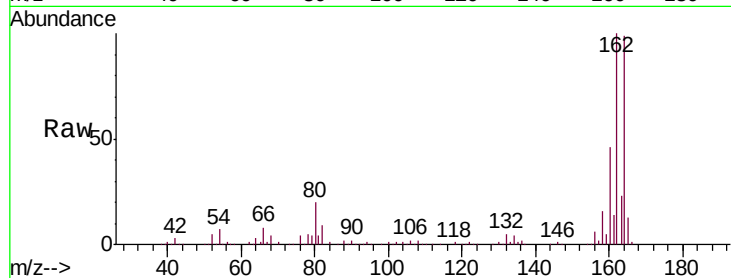




#56
 2,4-Dinitrotoluene
 Concen: 6.861 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-082718-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

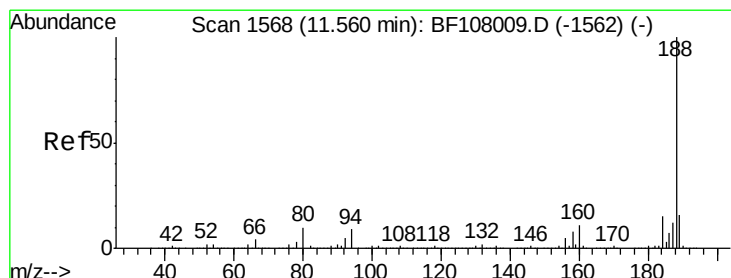
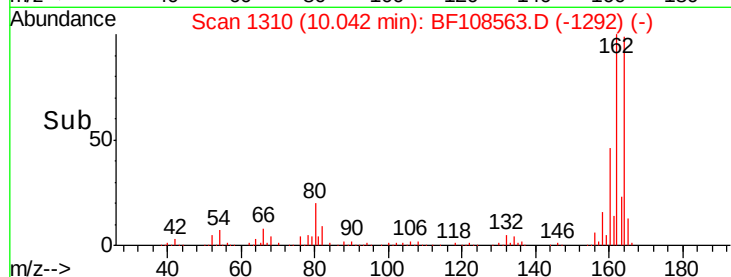
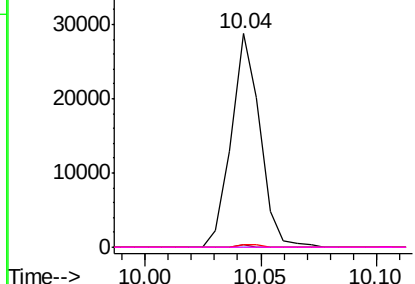


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

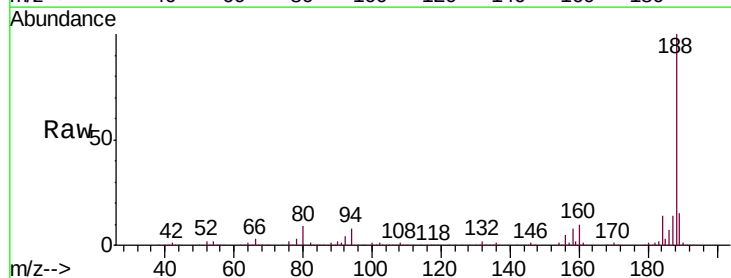
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

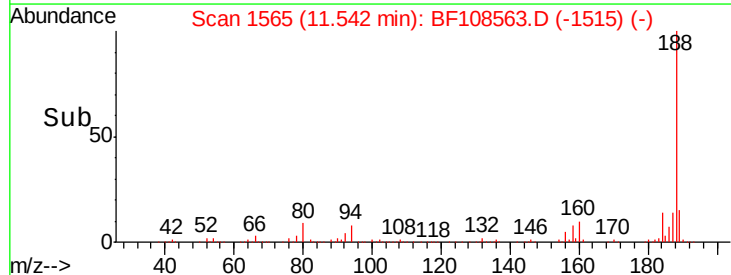
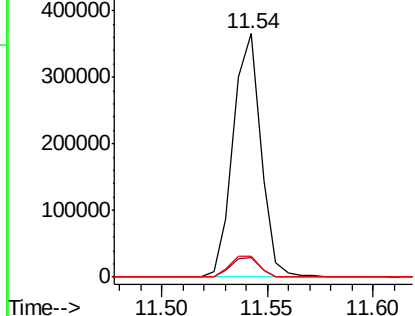
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.5	9.2	13.8#

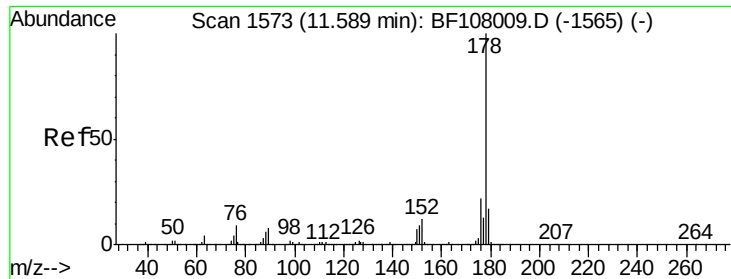


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 2.838 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

ClientSampleId :

OR-01-082718-B

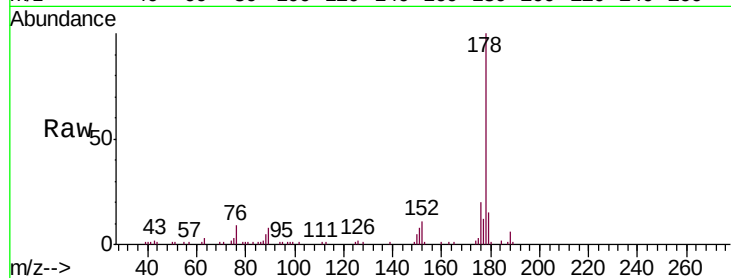
Tgt Ion:178 Resp: 44488

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

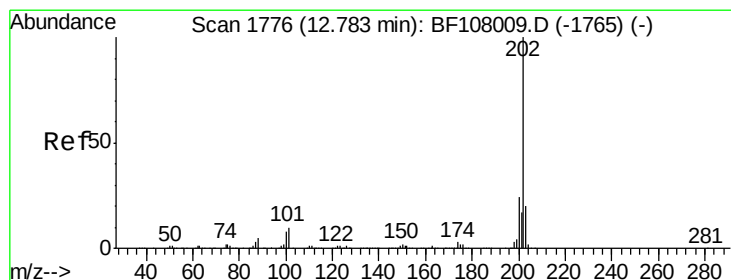
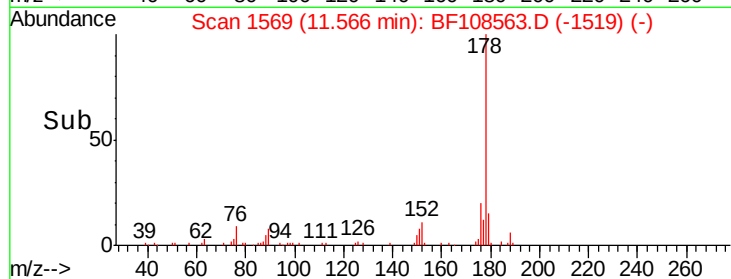
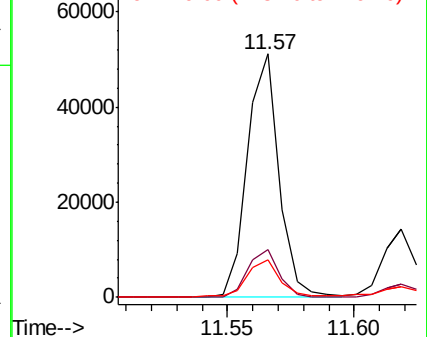
179 15.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.574 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

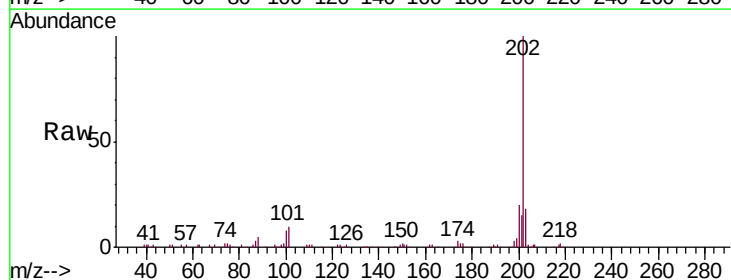
Tgt Ion:202 Resp: 95359

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.1

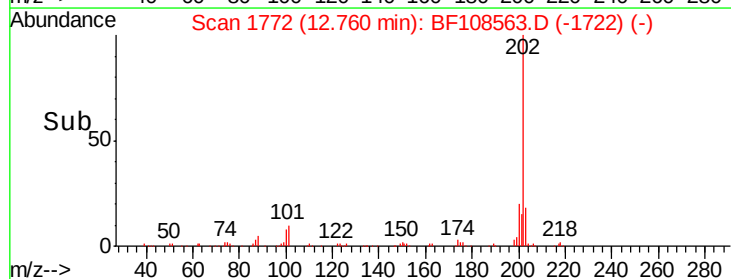
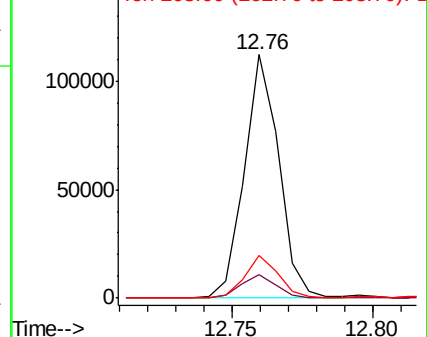
203 17.5 0.0 38.1

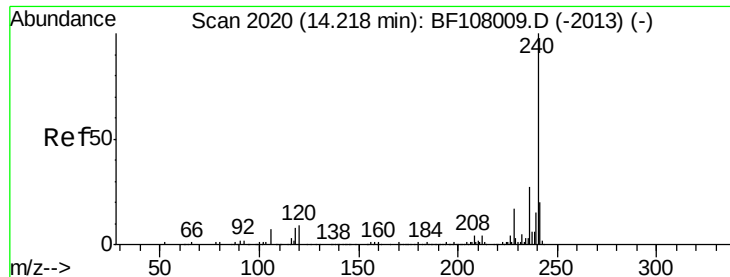


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

ClientSampleId :

OR-01-082718-B

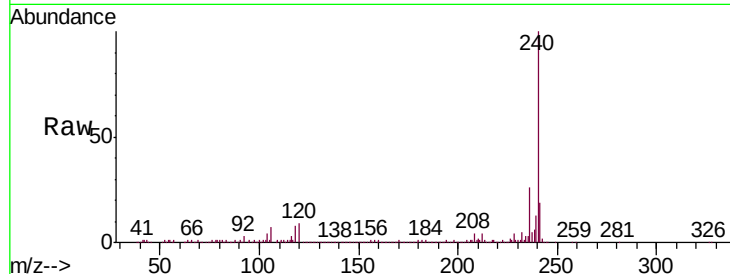
Tgt Ion:240 Resp: 303426

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

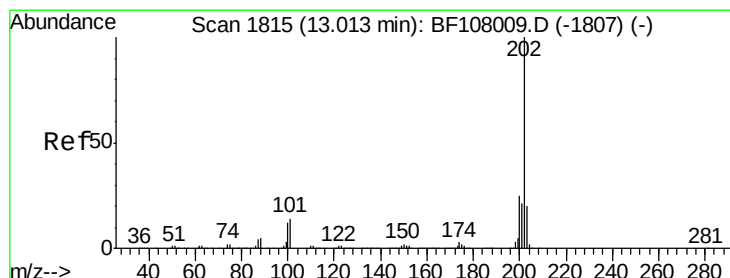
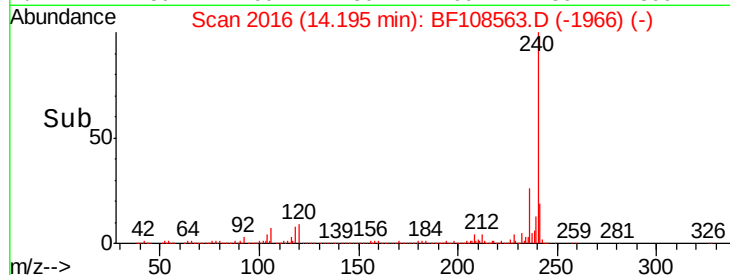
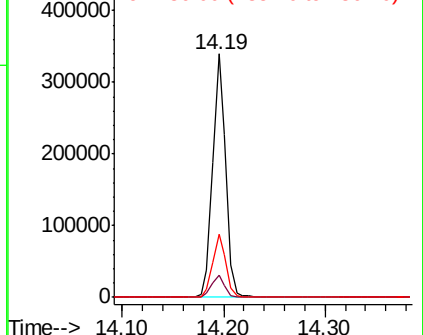
236 25.8 20.7 31.1



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: 5.617 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

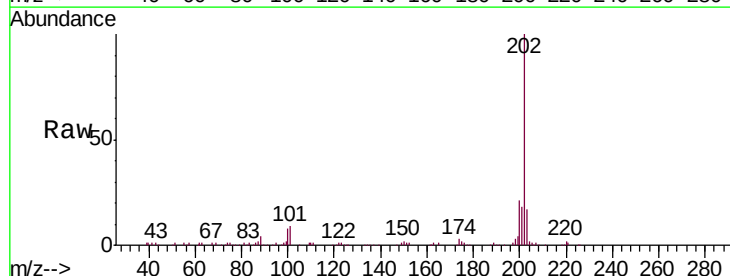
Tgt Ion:202 Resp: 107904

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

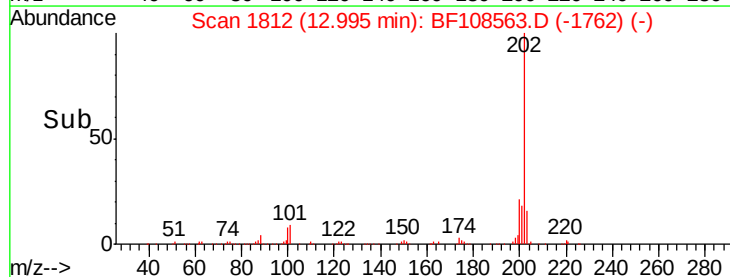
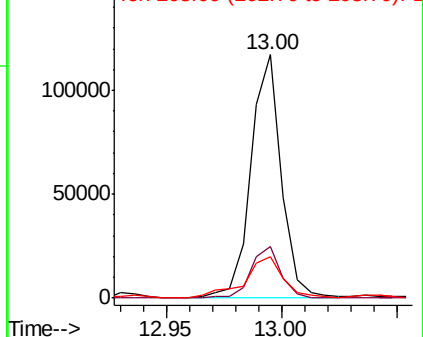
203 17.0 14.3 21.5

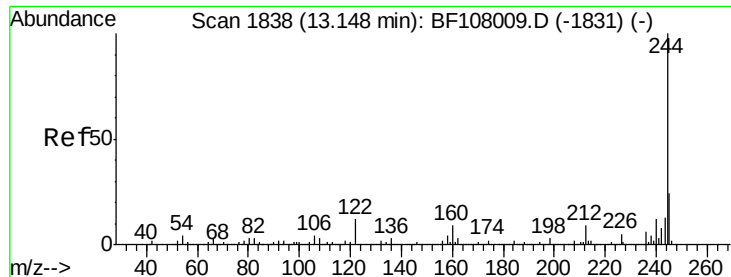


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.208 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

ClientSampleId :

OR-01-082718-B

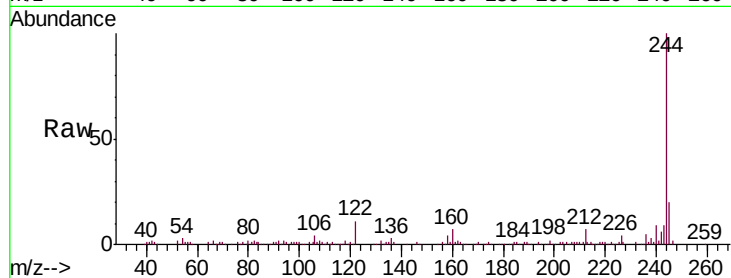
Tgt Ion:244 Resp: 145686

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

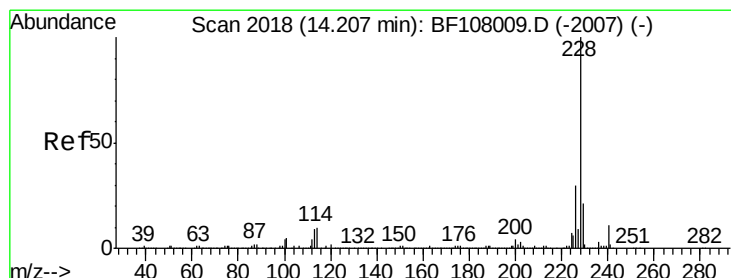
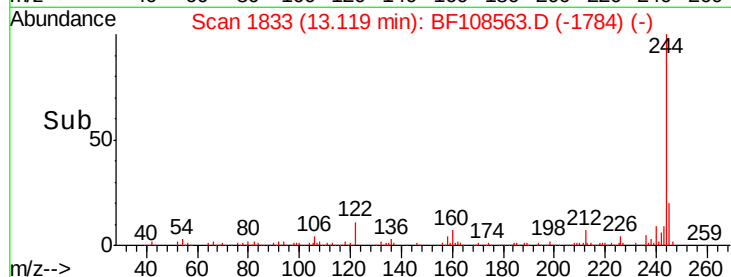
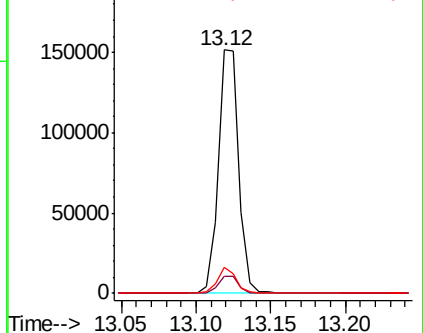
122 10.6 11.0 16.4#



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: 2.673 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

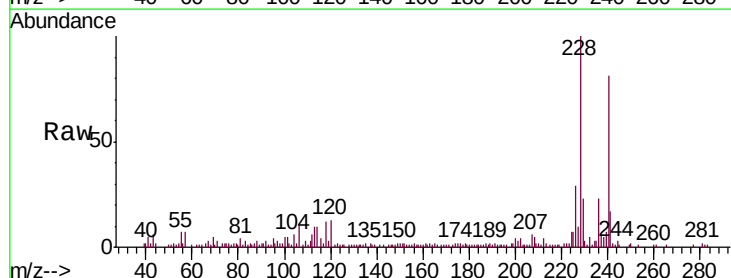
Tgt Ion:228 Resp: 46554

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

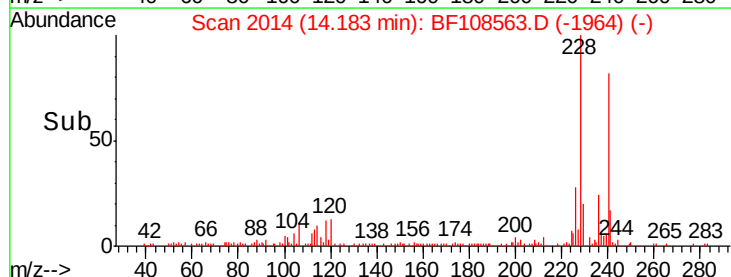
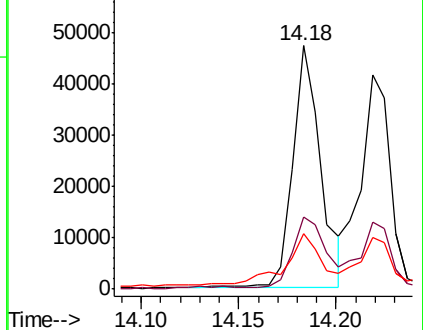
229 22.8 15.8 23.6

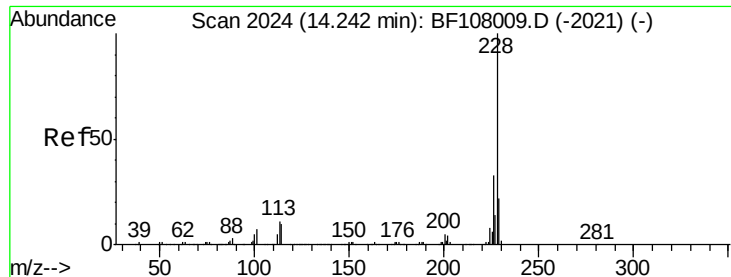


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.740 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

ClientSampleId :

OR-01-082718-B

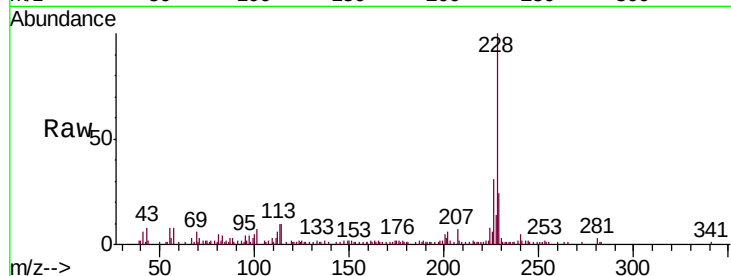
Tgt Ion:228 Resp: 43742

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

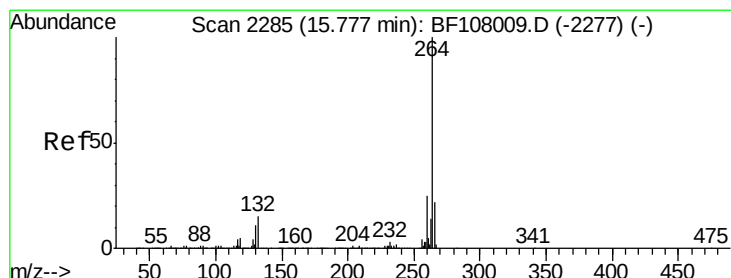
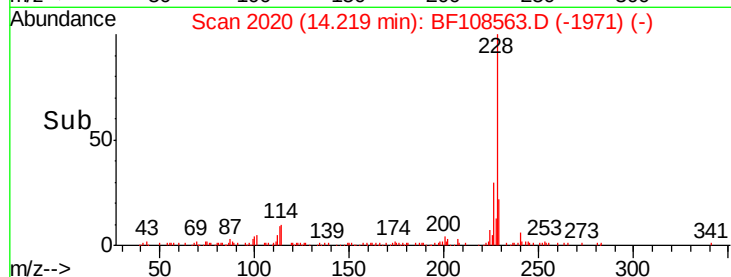
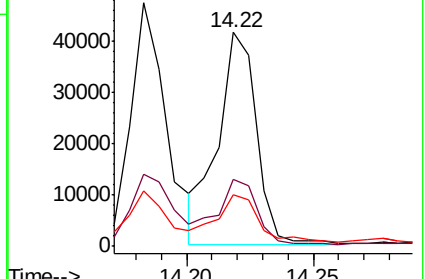
229 24.2 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

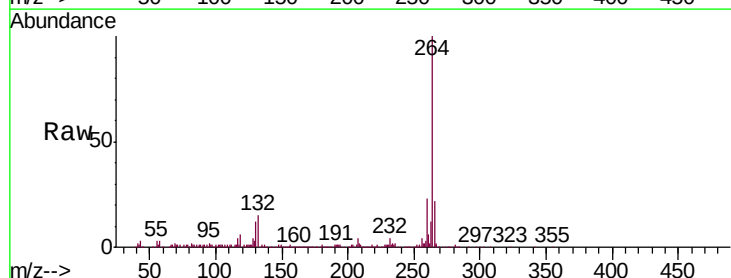
Tgt Ion:264 Resp: 238214

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

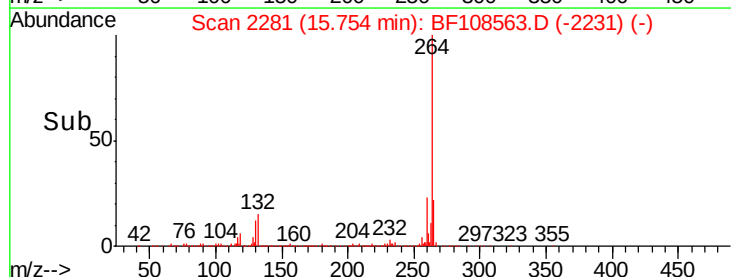
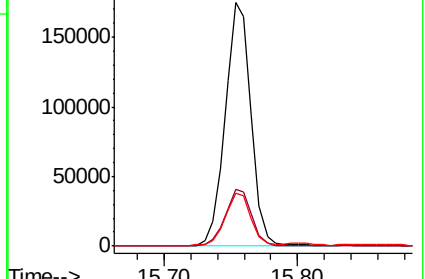
265 21.9 17.5 26.3

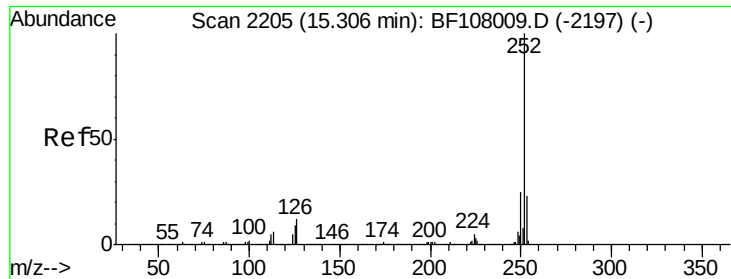


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.869 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.01 min

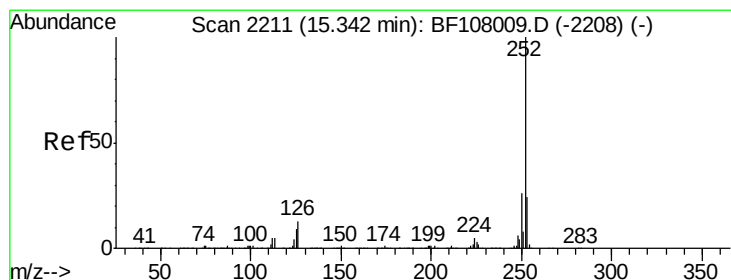
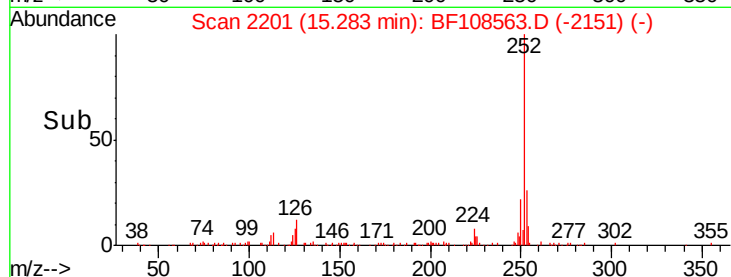
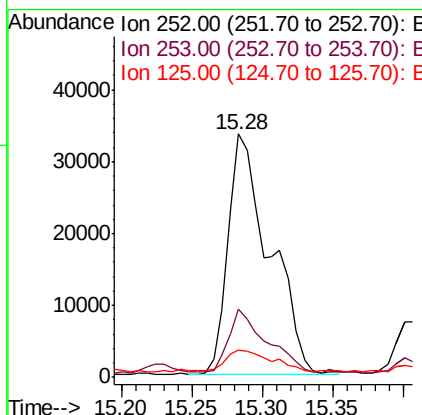
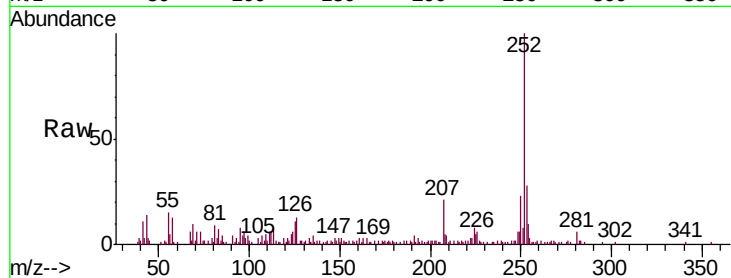
Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

Tgt Ion:252 Resp: 69303

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.0	25.6#
125	11.3	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 5.296 ng

RT: 15.28 min Scan# 2201

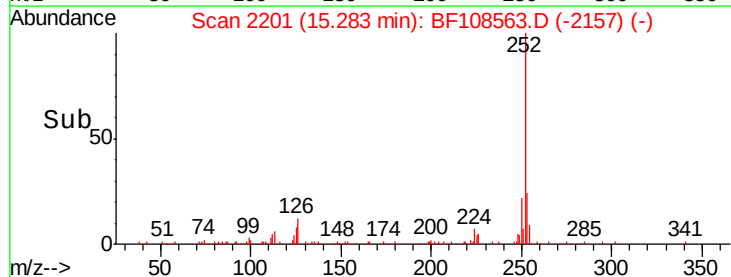
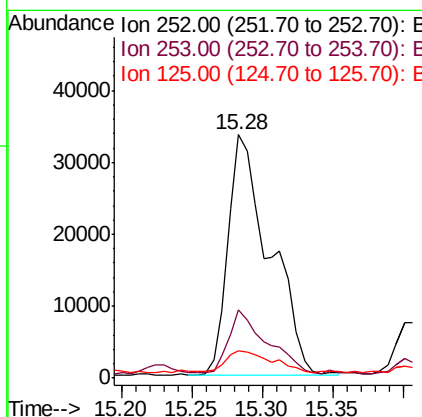
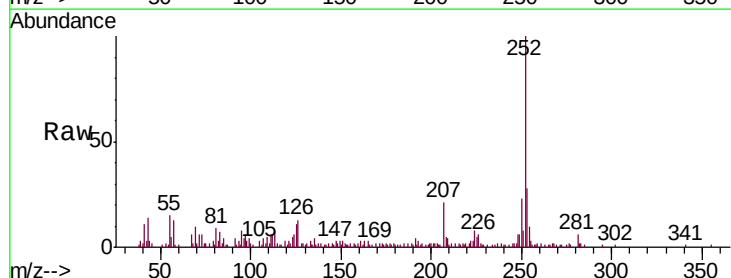
Delta R.T. -0.04 min

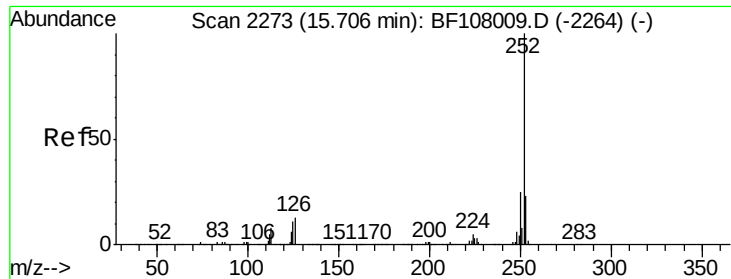
Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Tgt Ion:252 Resp: 69303

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.9	26.9#
125	11.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.248 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

ClientSampleId :

OR-01-082718-B

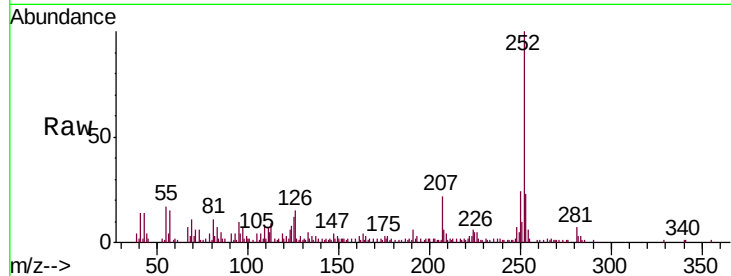
Tgt Ion:252 Resp: 41402

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

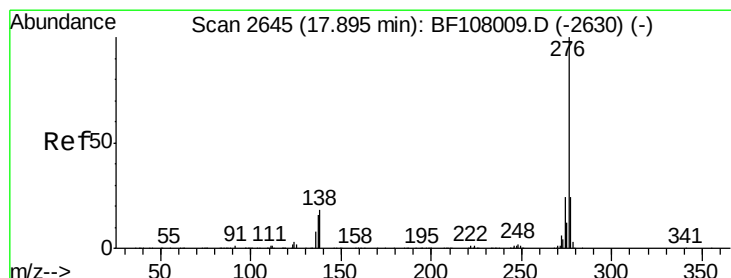
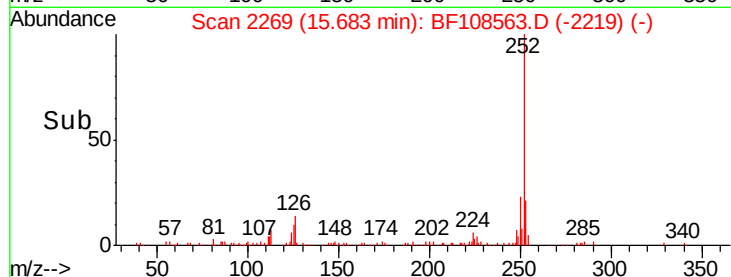
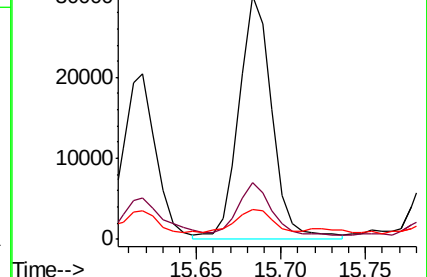
125 12.1 9.8 14.6



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: 2.066 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

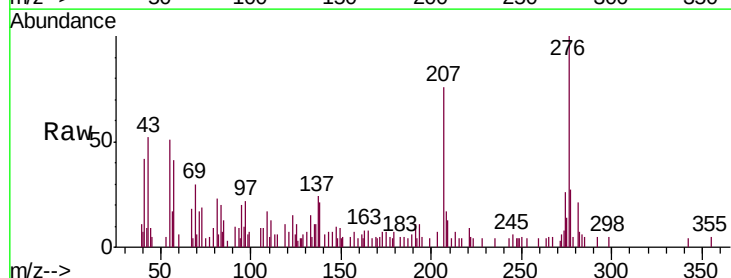
Tgt Ion:276 Resp: 21451

Ion Ratio Lower Upper

276 100

277 26.8 17.9 26.9

138 21.3 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

