

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108358.D
 Acq On : 22 Aug 2018 00:47
 Operator : JU/SJ
 Sample : J4271-13 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-C

Quant Time: Aug 22 01:42:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	170106	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	635413	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	287295	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	470031	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	383669	20.00	ng	-0.02
86) Perylene-d12	15.75	264	326216	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	86227	9.18	ng	-0.01
7) Phenol-d6	6.61	99	121105	9.70	ng	-0.02
23) Nitrobenzene-d5	7.56	82	74072	6.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	21612	7.54	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	140890	7.87	ng	-0.02
78) Terphenyl-d14	13.12	244	106239	7.04	ng	-0.02

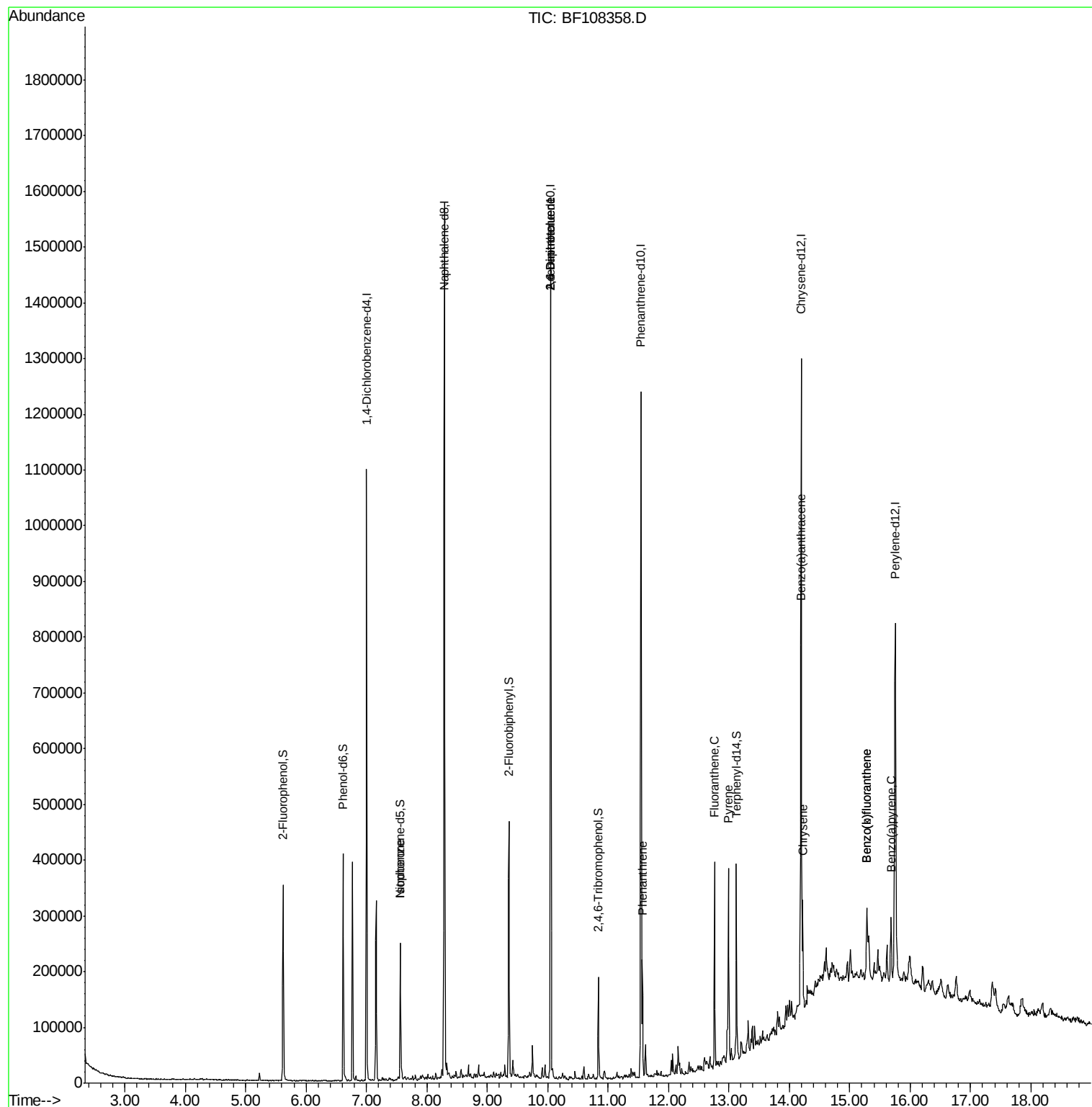
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.56	82	74071	3.413	ng	# 65
50) 2,6-Dinitrotoluene	10.05	165	36436	8.702	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	36436	6.761	ng	# 23
70) Phenanthrene	11.57	178	67796	3.058	ng	99
74) Fluoranthene	12.77	202	153307	6.336	ng	93
77) Pyrene	12.99	202	132704	5.463	ng	99
80) Benzo(a)anthracene	14.18	228	79508	3.611	ng	99
82) Chrysene	14.22	228	65163	3.228	ng	97
87) Benzo(b)fluoranthene	15.28	252	108543	5.568	ng	94
88) Benzo(k)fluoranthene	15.28	252	108543	6.058	ng	97
89) Benzo(a)pyrene	15.68	252	53188	3.047	ng	95

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

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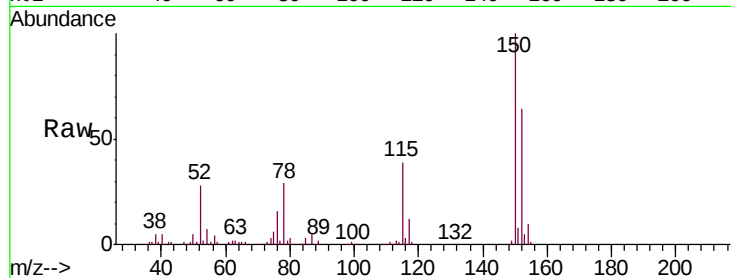


#1

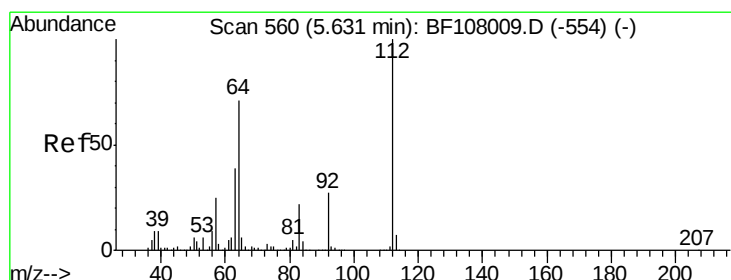
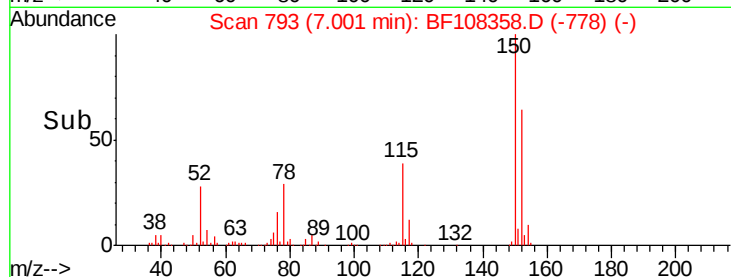
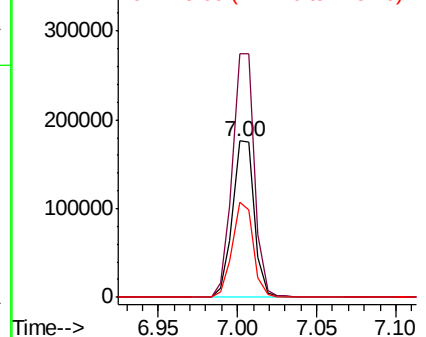
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.8	50.1	75.1



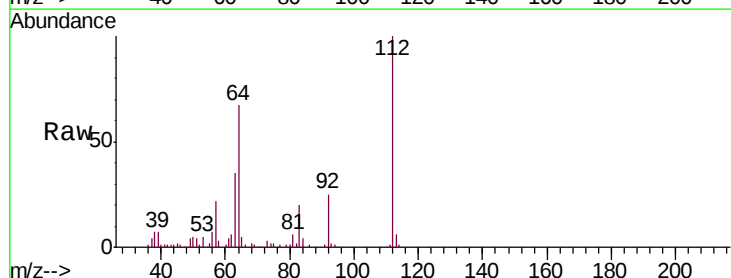
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



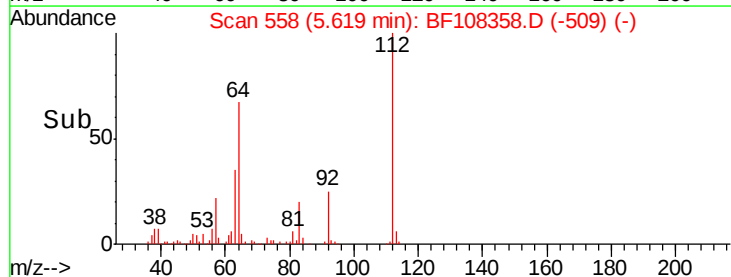
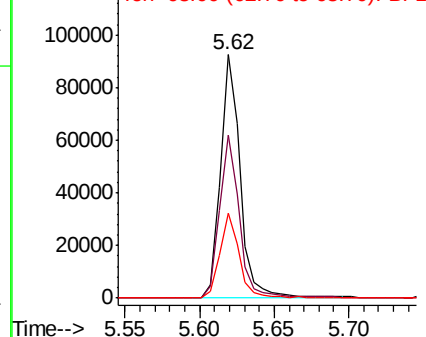
#5

2-Fluorophenol
Concen: 9.177 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	35.1	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: 9.699 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Instrument :

BNA_F

ClientSampleId :

HR-06-082018-C

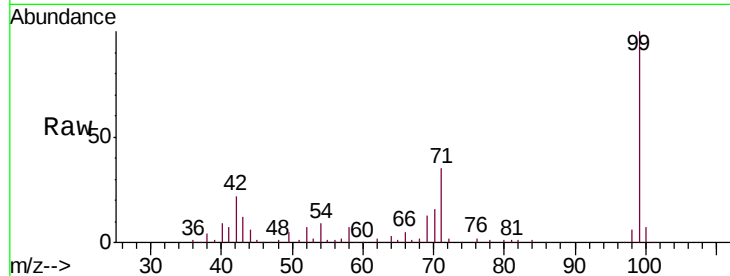
Tgt Ion: 99 Resp: 121105

Ion Ratio Lower Upper

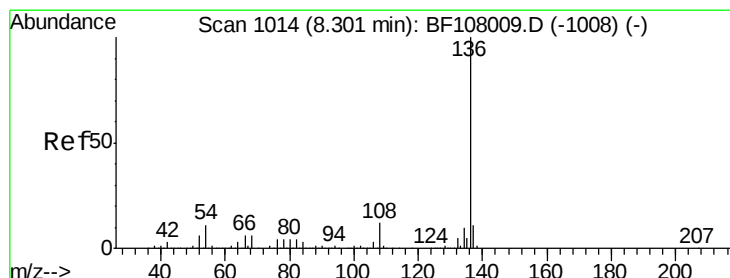
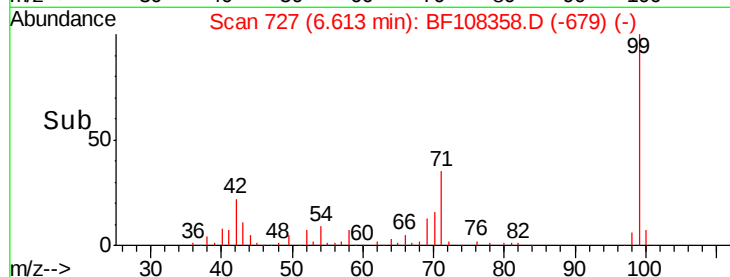
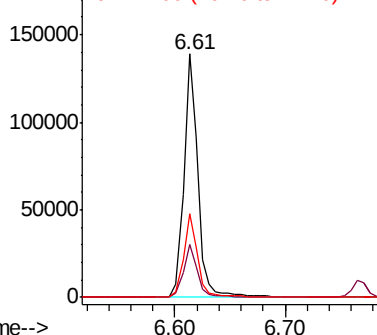
99 100

42 21.7 14.5 21.7

71 34.6 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: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Tgt Ion: 136 Resp: 635413

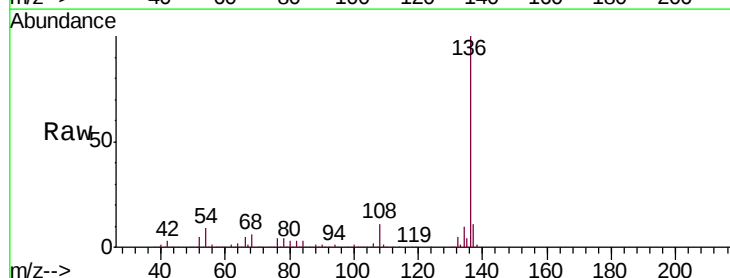
Ion Ratio Lower Upper

136 100

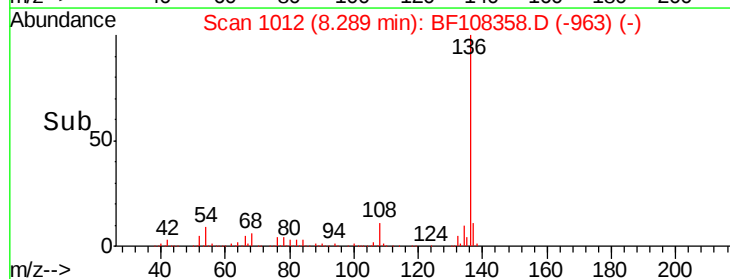
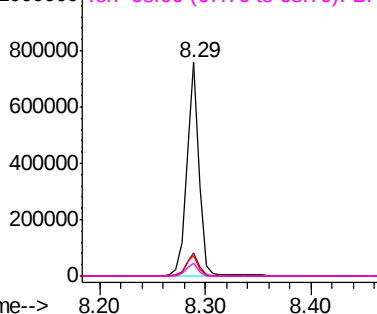
137 10.8 8.9 13.3

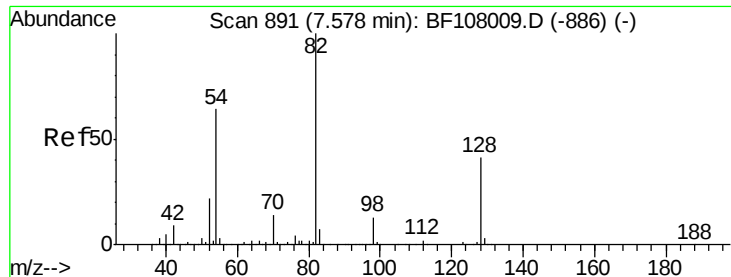
54 9.4 6.6 9.8

68 6.0 5.0 7.4



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

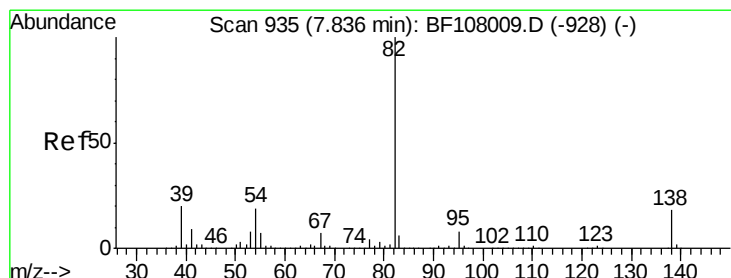
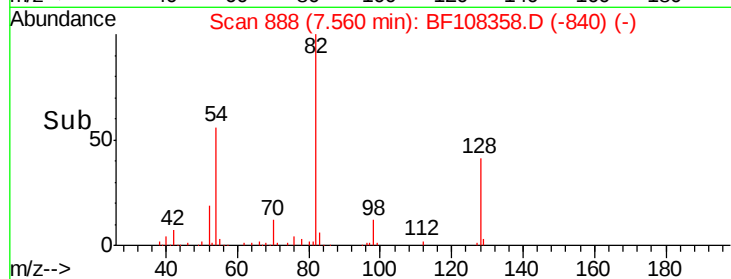
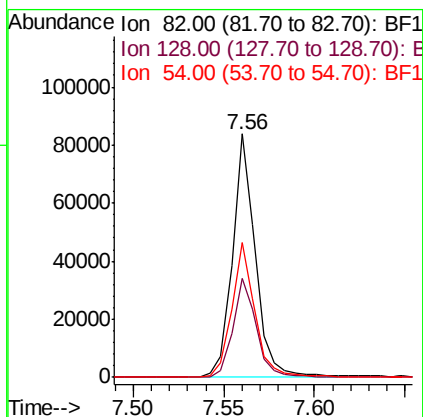
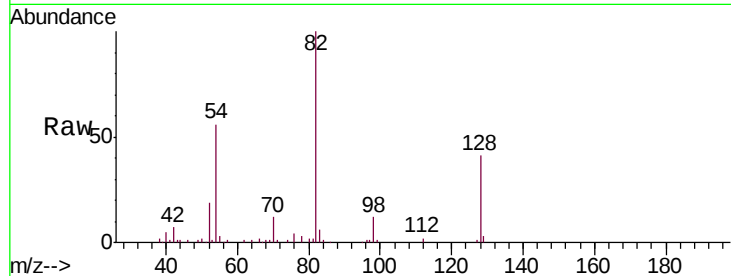




#23
Nitrobenzene-d5
Concen: 6.505 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

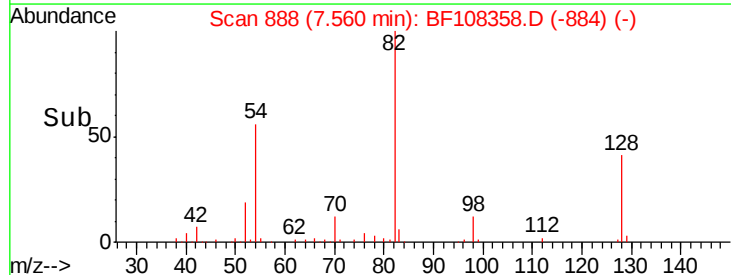
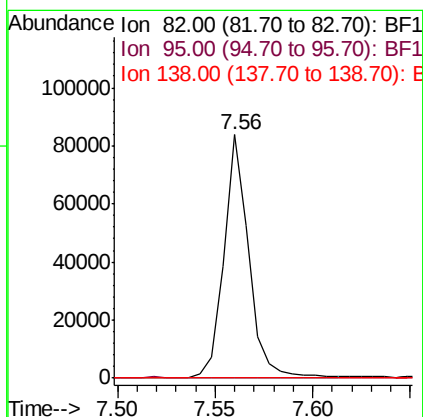
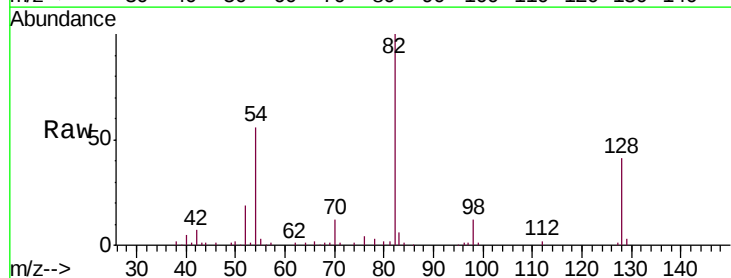
Instrument :
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HR-06-082018-C

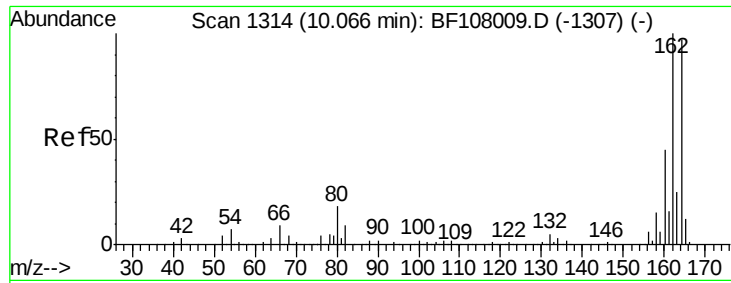
Tgt Ion: 82 Resp: 74072
Ion Ratio Lower Upper
82 100
128 40.8 36.1 54.1
54 55.6 41.4 62.2



#25
Isophorone
Concen: 3.413 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.28 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion: 82 Resp: 74071
Ion Ratio Lower Upper
82 100
95 0.4 5.2 7.8#
138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Instrument :

BNA_F

ClientSampleId :

HR-06-082018-C

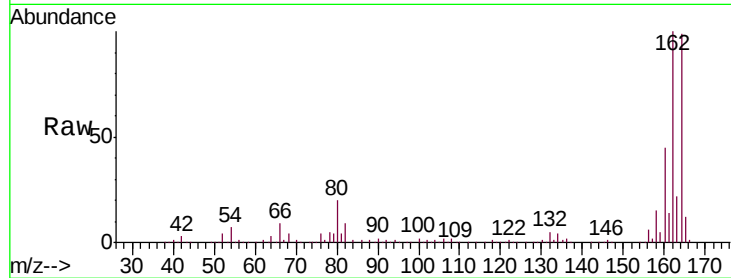
Tgt Ion:164 Resp: 287295

Ion Ratio Lower Upper

164 100

162 101.5 86.1 129.1

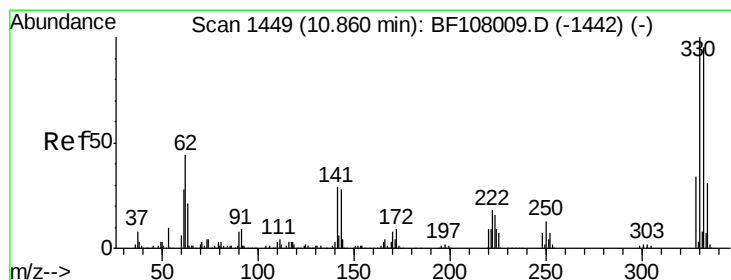
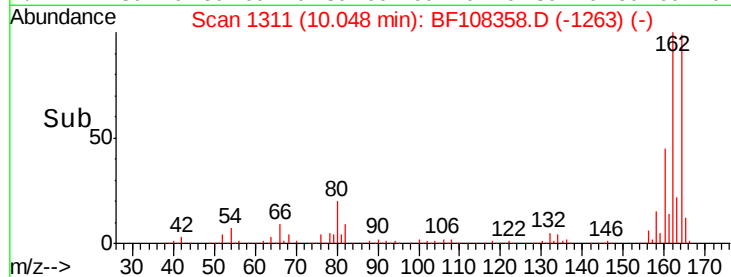
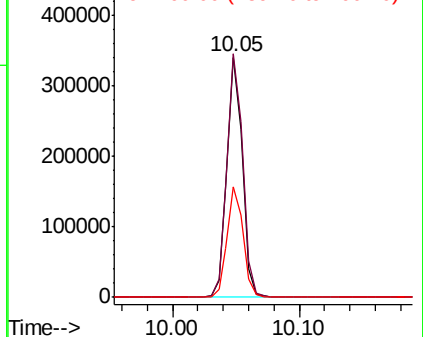
160 45.9 38.3 57.5



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: 7.542 ng

RT: 10.84 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

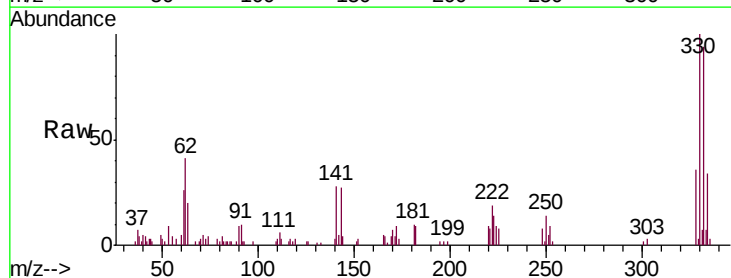
Tgt Ion:330 Resp: 21612

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

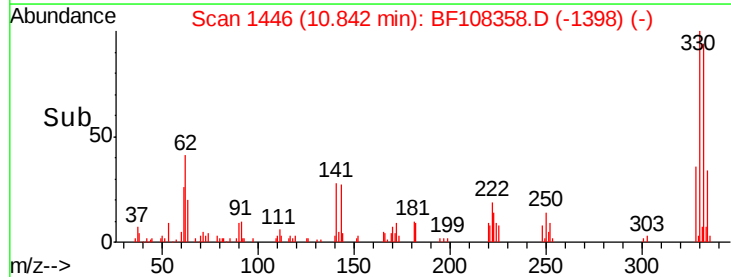
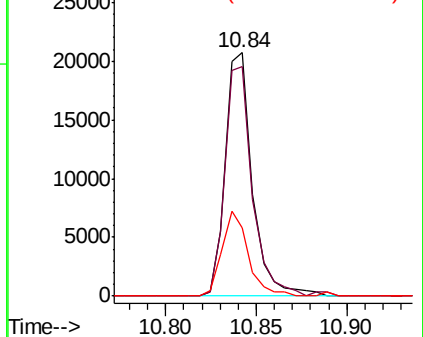
141 33.8 29.9 44.9

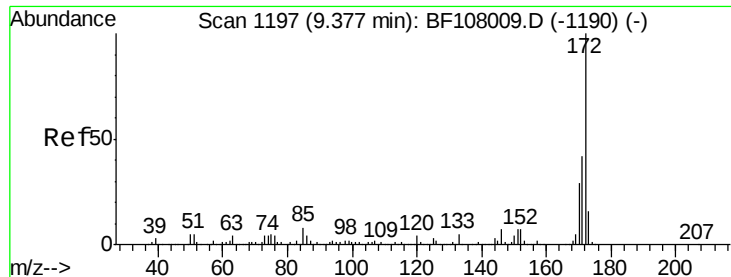


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

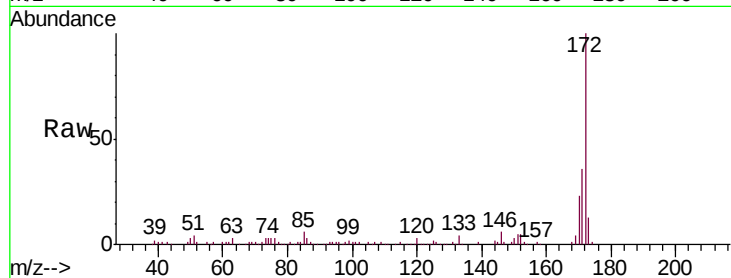




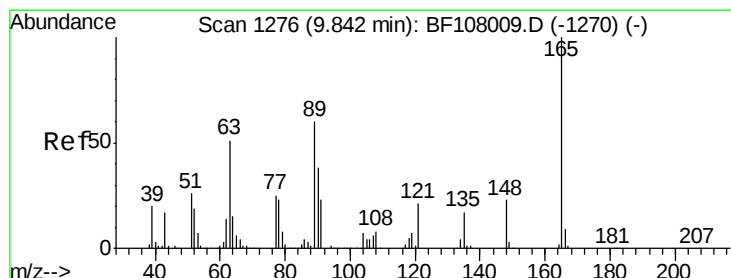
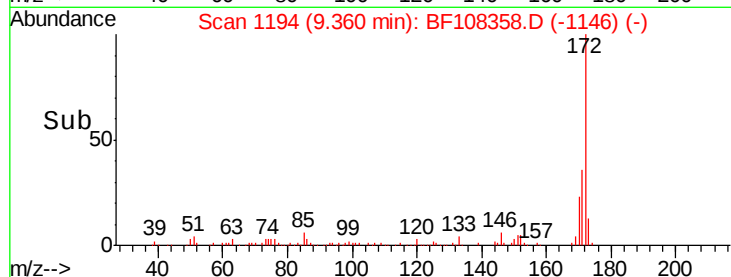
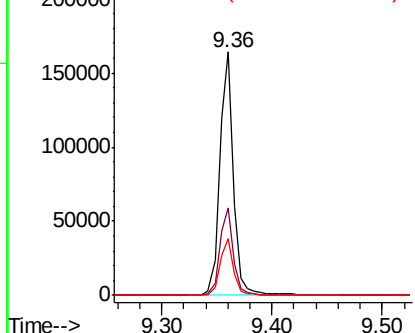
#44
2-Fluorobiphenyl
Concen: 7.873 ng
RT: 9.36 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Instrument :
BNA_F
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HR-06-082018-C

Tgt Ion:172 Resp: 140890
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.4 19.6 29.4

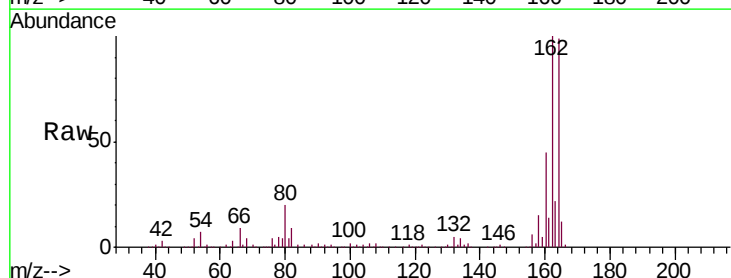


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

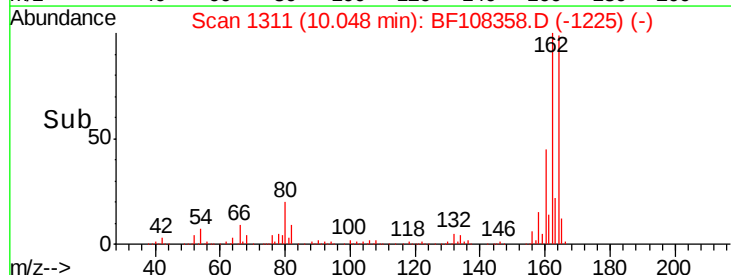
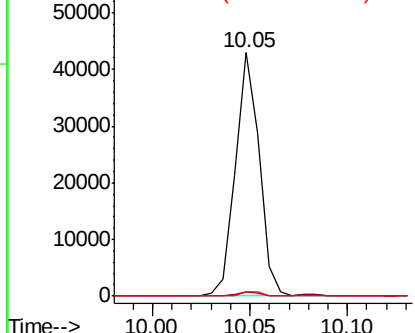


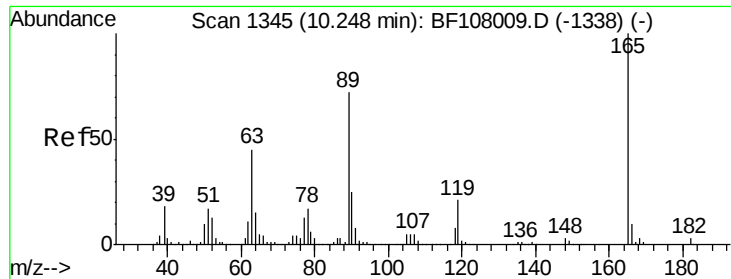
#50
2,6-Dinitrotoluene
Concen: 8.702 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.21 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion:165 Resp: 36436
Ion Ratio Lower Upper
165 100
63 1.6 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

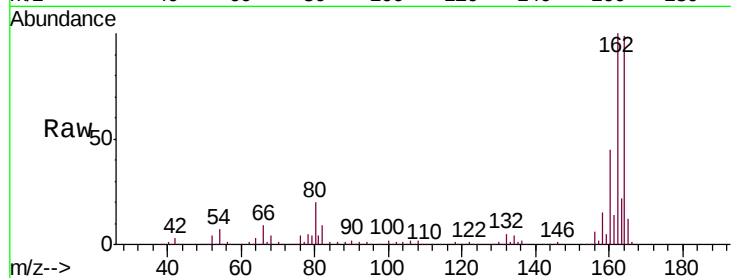




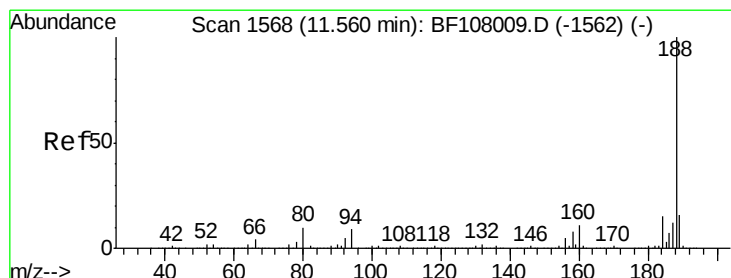
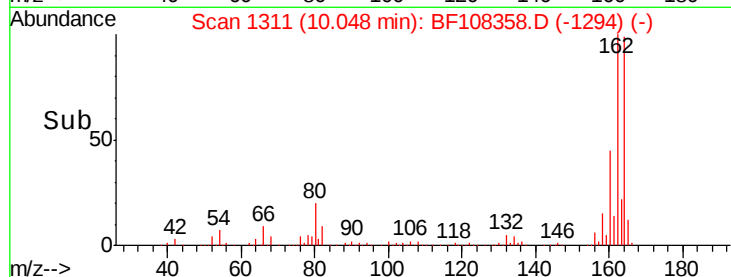
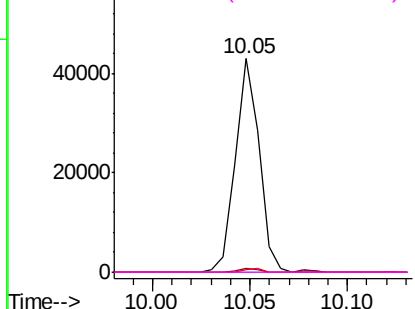
#56
 2,4-Dinitrotoluene
 Concen: 6.761 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Instrument :
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Tgt Ion:	165	Resp:	36436
Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

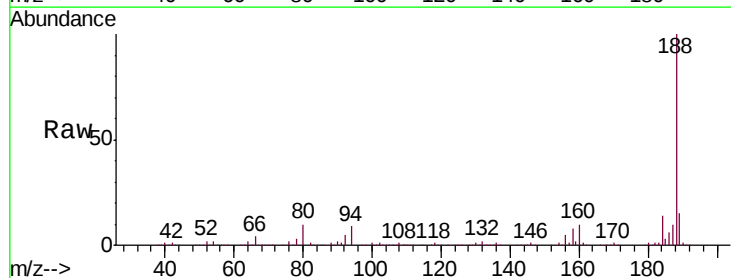


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

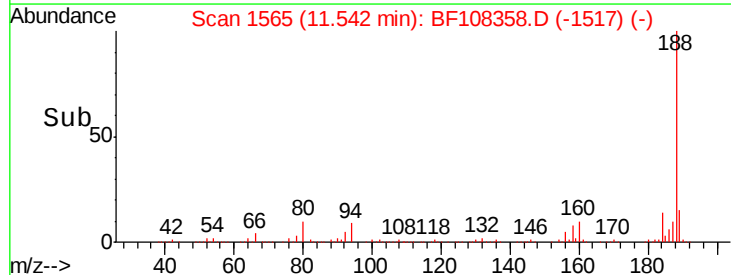
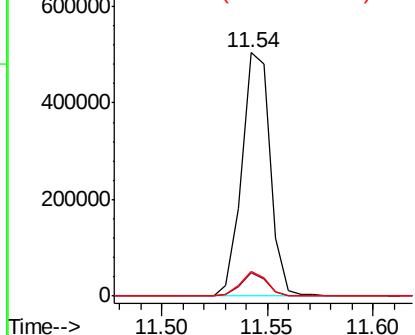


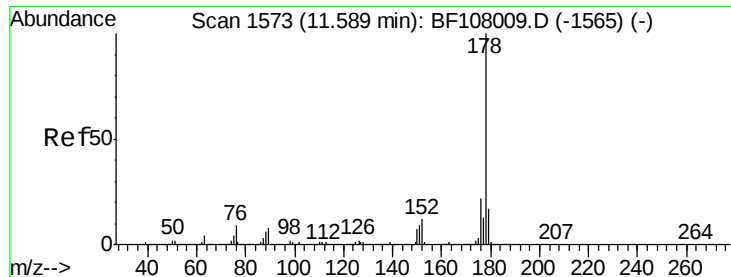
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Tgt Ion:	188	Resp:	470031
Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.3	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: 3.058 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Instrument :

BNA_F

ClientSampleId :

HR-06-082018-C

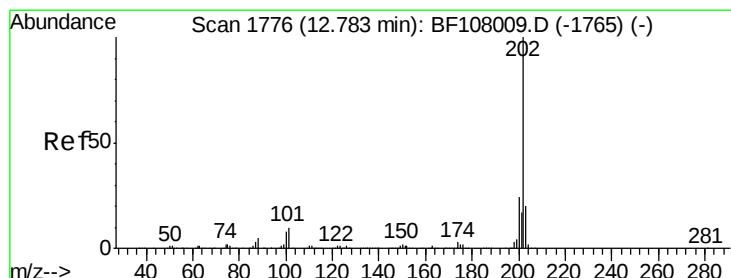
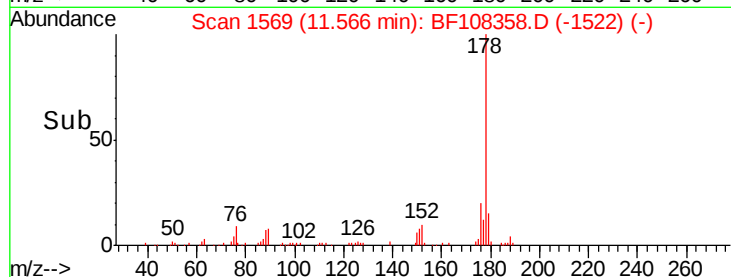
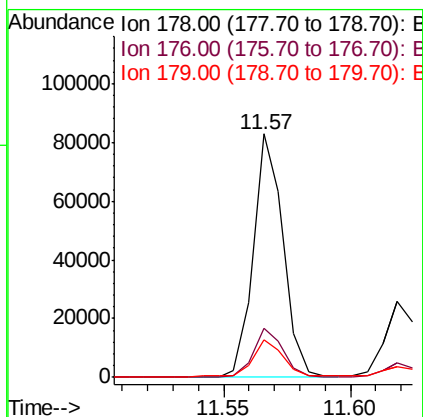
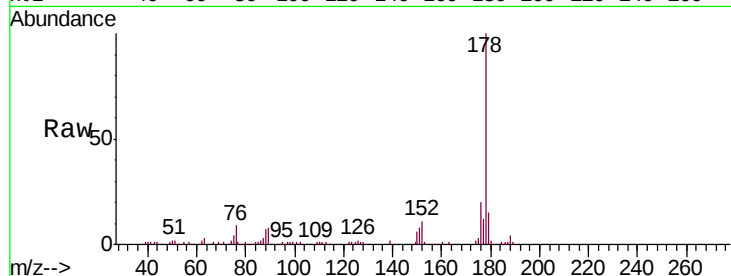
Tgt Ion:178 Resp: 67796

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

179 15.3 13.0 19.6



#74

Fluoranthene

Concen: 6.336 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

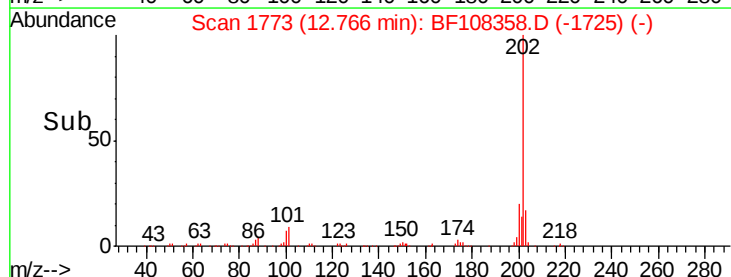
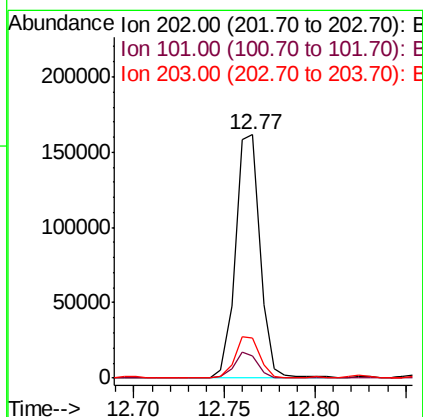
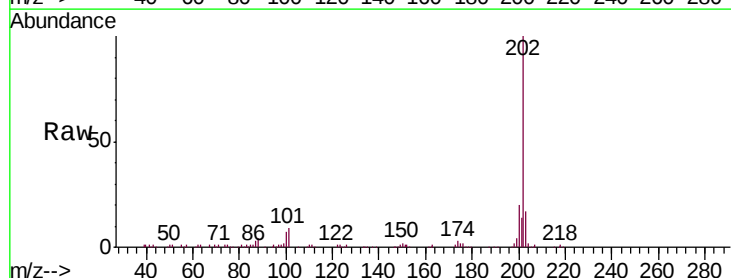
Tgt Ion:202 Resp: 153307

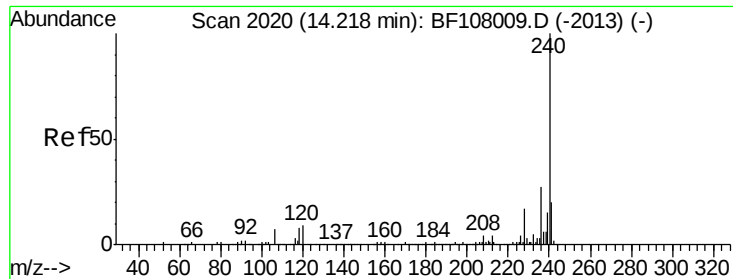
Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.1

203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Instrument :

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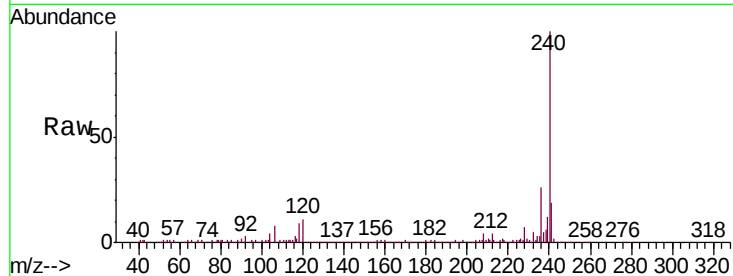
Tgt Ion:240 Resp: 383669

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

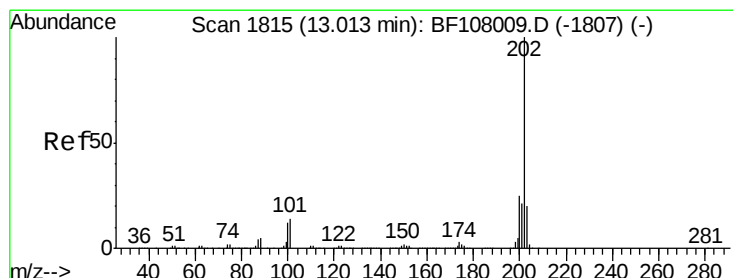
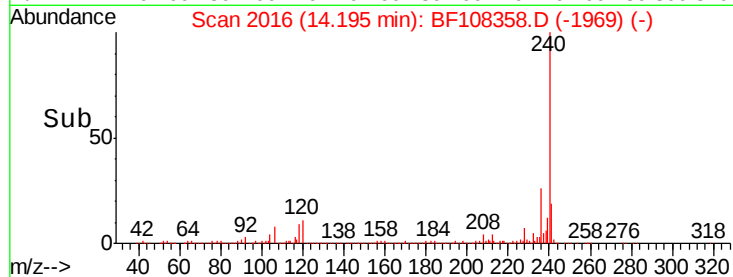
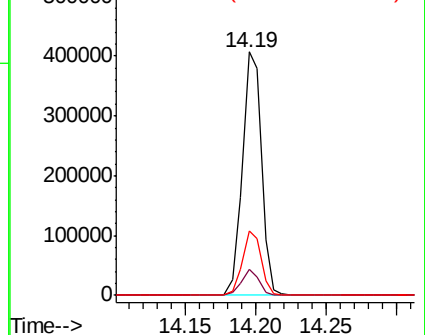
236 26.4 20.7 31.1



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: 5.463 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

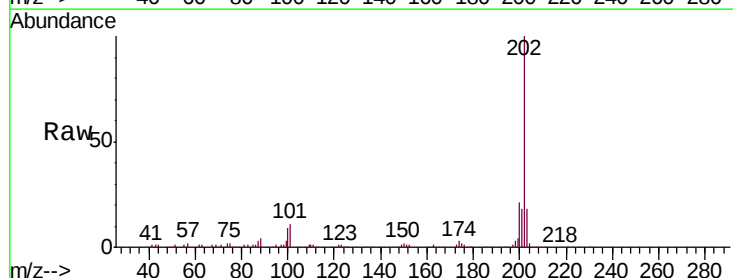
Tgt Ion:202 Resp: 132704

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

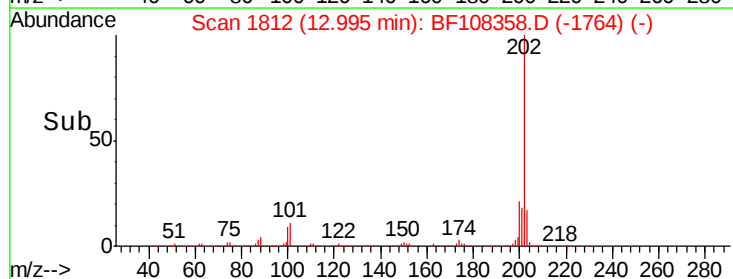
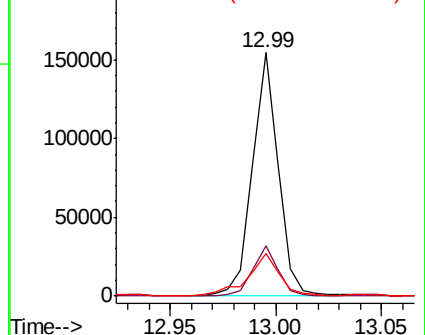
203 17.7 14.3 21.5

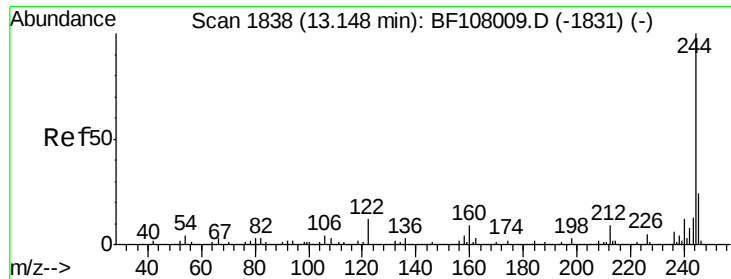


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

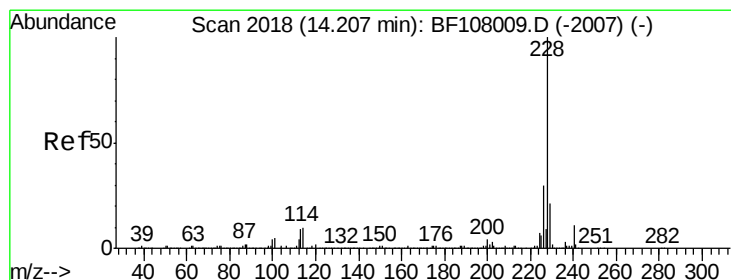
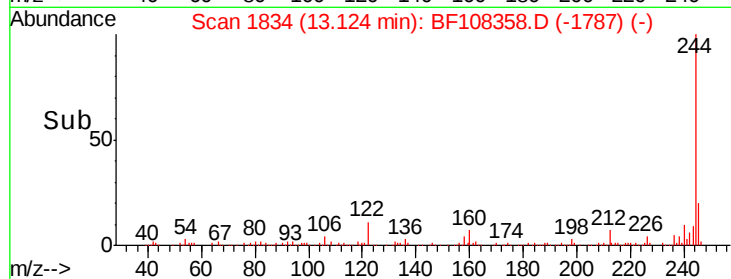
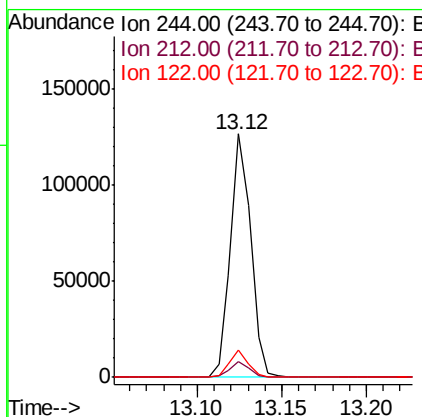
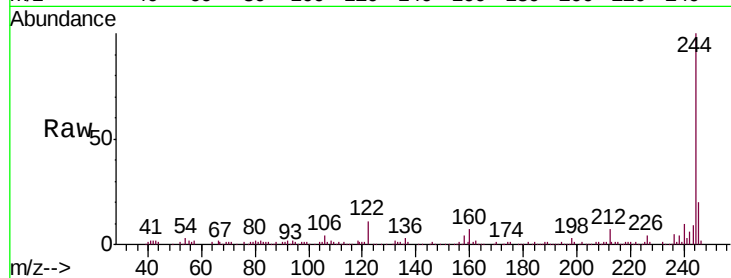




#78
 Terphenyl-d14
 Concen: 7.040 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

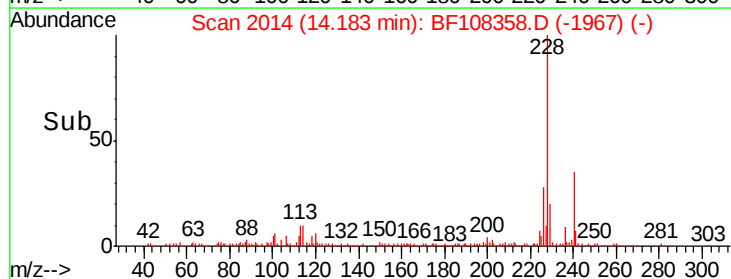
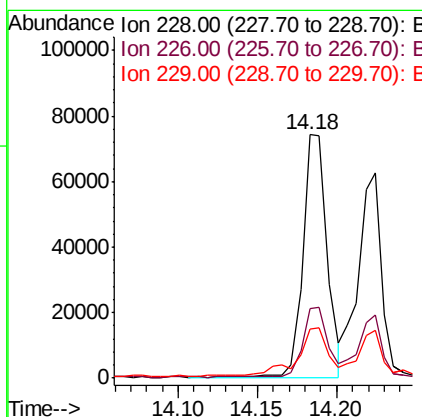
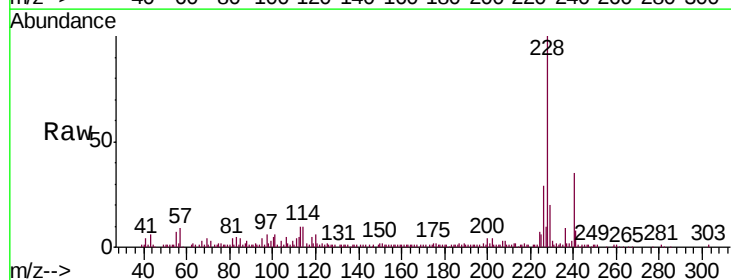
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-C

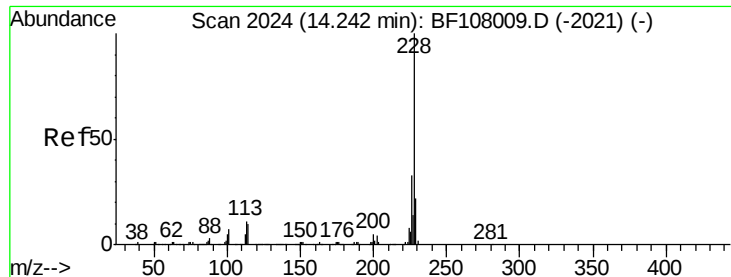
Tgt Ion:244 Resp: 106239
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.611 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Tgt Ion:228 Resp: 79508
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 20.3 15.8 23.6

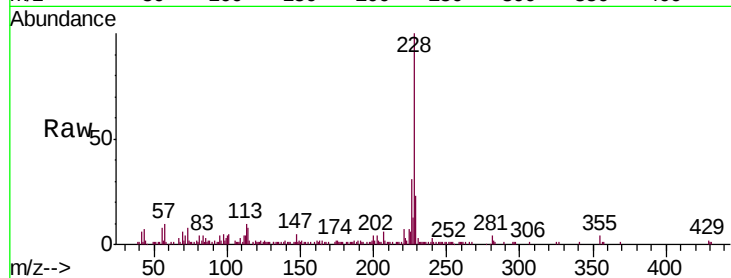




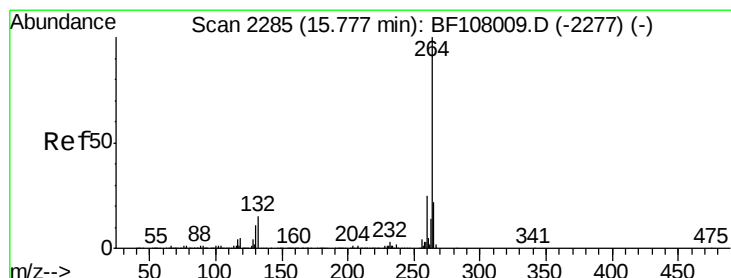
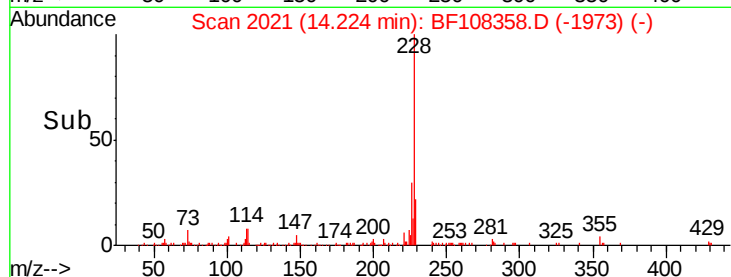
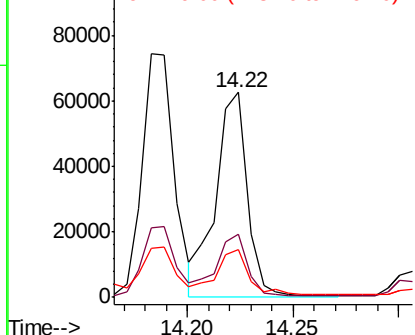
#82
Chrysene
Concen: 3.228 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-C

Tgt Ion:228 Resp: 65163
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 23.5 16.2 24.4

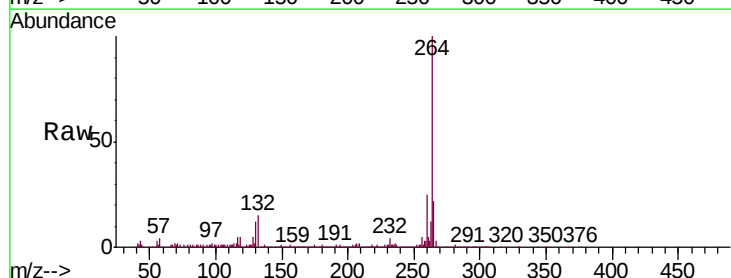


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

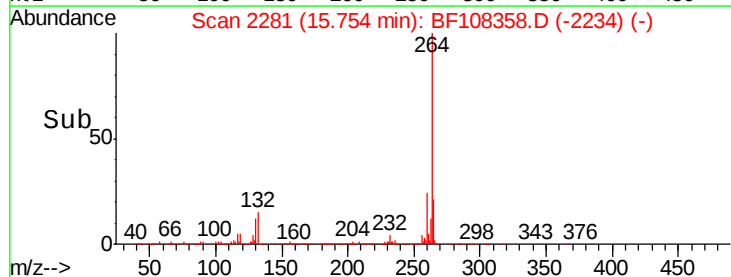
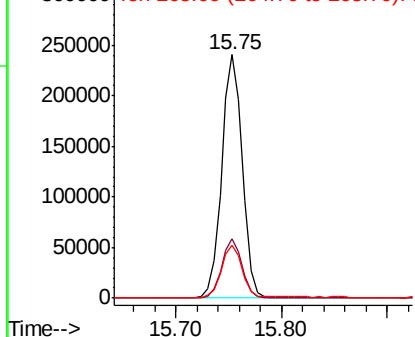


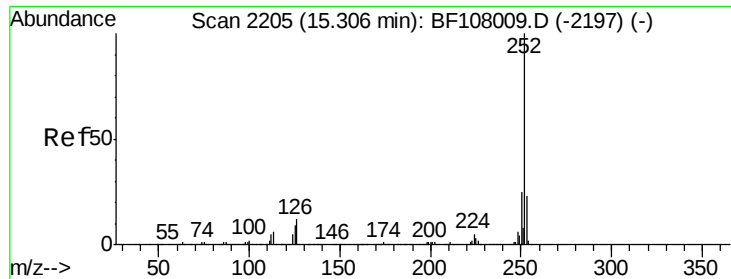
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion:264 Resp: 326216
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.8 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

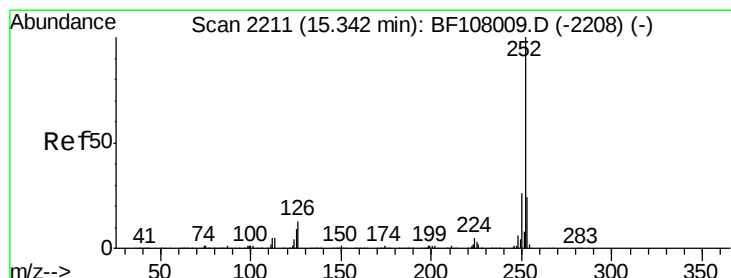
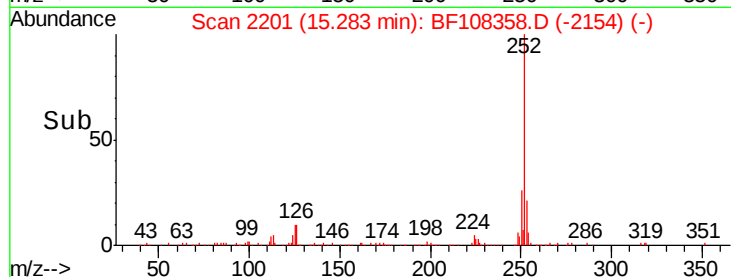
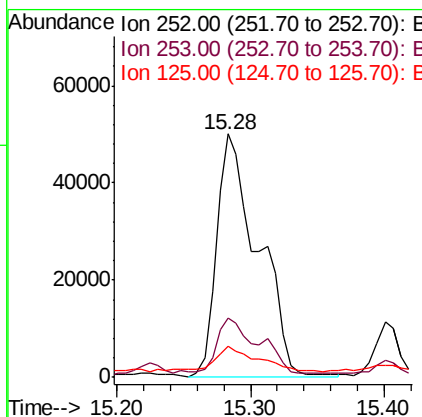
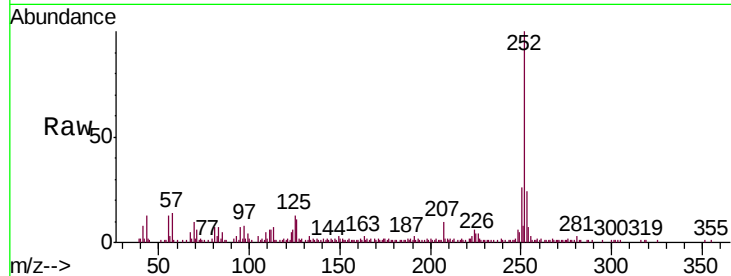




#87
Benzo(b)fluoranthene
Concen: 5.568 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

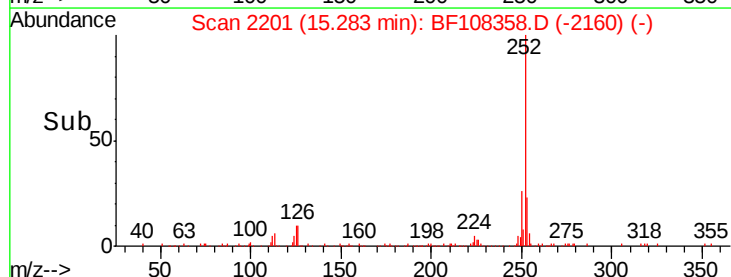
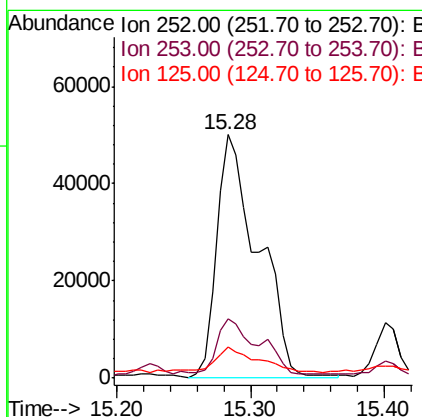
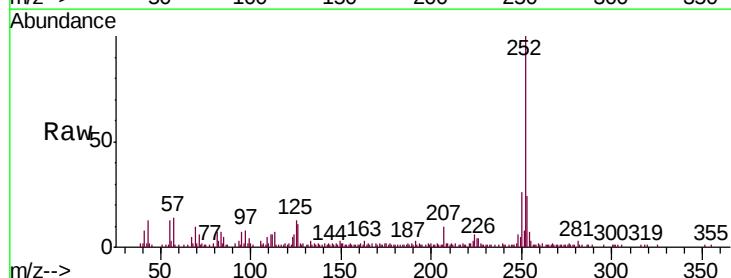
Instrument :
BNA_F
ClientSampleId :
HR-06-082018-C

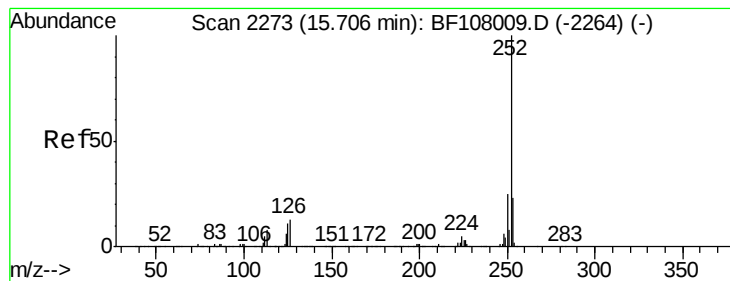
Tgt Ion:252 Resp: 108543
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 12.8 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 6.058 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.06 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion:252 Resp: 108543
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 12.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.047 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF108358.D

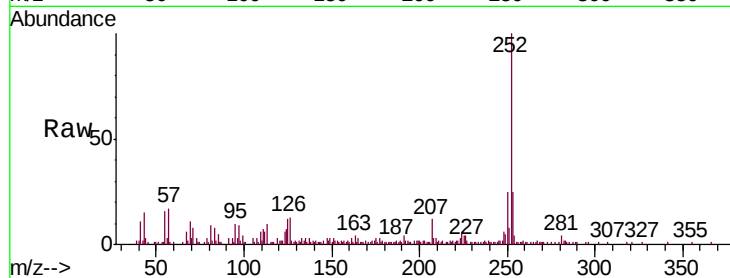
Acq: 22 Aug 2018 00:47

Instrument :

BNA_F

ClientSampleId :

HR-06-082018-C



Tgt Ion:	252	Resp:	53188
Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	11.8	9.8	14.6

