

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
 Data File : BF107656.D
 Acq On : 25 Jul 2018 14:52
 Operator : JU/SJ
 Sample : J3821-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

Quant Time: Jul 25 17:31:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	249136	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	945196	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	382802	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	667877	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	505072	20.00	ng	-0.01
86) Perylene-d12	15.68	264	465696	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	746538	48.18	ng	-0.01
7) Phenol-d6	6.60	99	939104	50.47	ng	-0.02
23) Nitrobenzene-d5	7.53	82	574498	41.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	227042	52.16	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	912527	33.31	ng	-0.02
78) Terphenyl-d14	13.08	244	701690	35.57	ng	-0.02

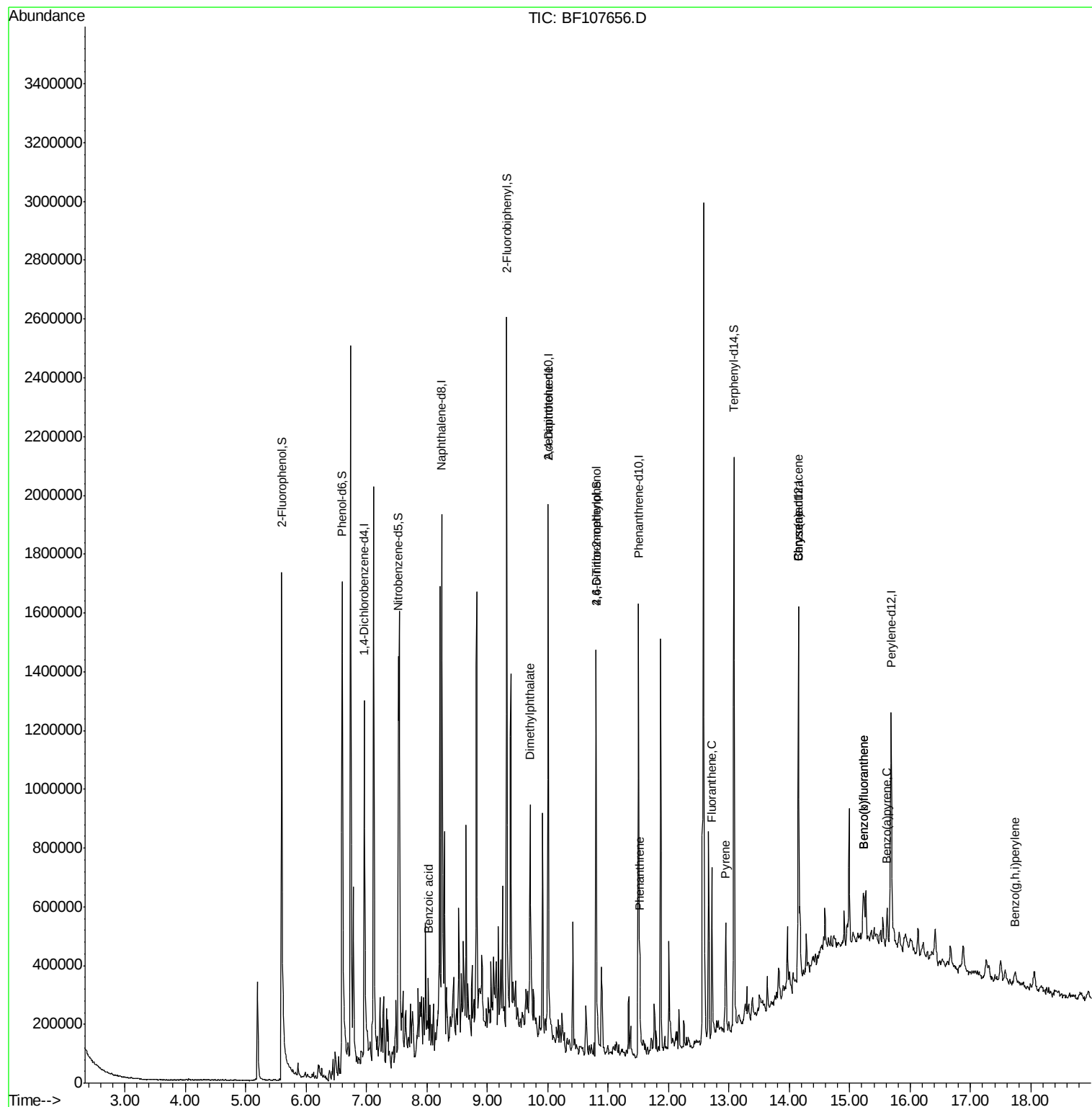
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	810	Below Cal	#	1
32) Benzoic acid	8.03	122	678	7.963 ng	#	1
49) Dimethylphthalate	9.71	163	223435	7.745 ng	#	99
56) 2,4-Dinitrotoluene	10.01	165	50396	7.289 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.80	198	549	8.820 ng	#	1
70) Phenanthrene	11.52	178	95996	2.950 ng		99
73) Di-n-butylphthalate	12.05	149	3113	Below Cal	#	90
74) Fluoranthene	12.72	202	186857	5.350 ng		96
77) Pyrene	12.95	202	182936	5.295 ng		97
80) Benzo(a)anthracene	14.14	228	79759	2.695 ng		96
81) 3,3'-Dichlorobenzidine	14.11	252	604	Below Cal	#	61
82) Chrysene	14.14	228	79759	2.805 ng		96
87) Benzo(b)fluoranthene	15.22	252	130940	5.138 ng	#	82
88) Benzo(k)fluoranthene	15.22	252	130940	5.244 ng	#	86
89) Benzo(a)pyrene	15.62	252	68826	2.952 ng	#	92
91) Benzo(g,h,i)perylene	17.74	276	45004	2.264 ng	#	88

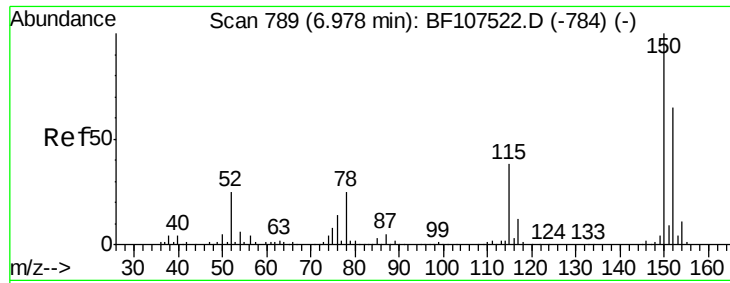
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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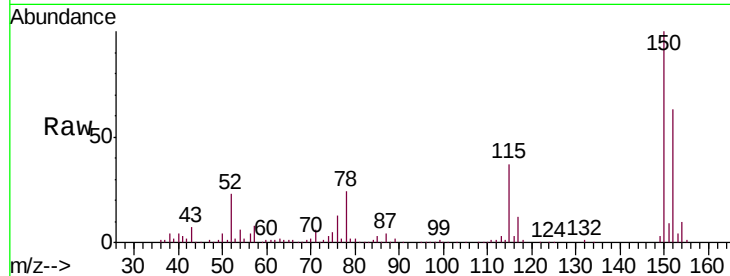




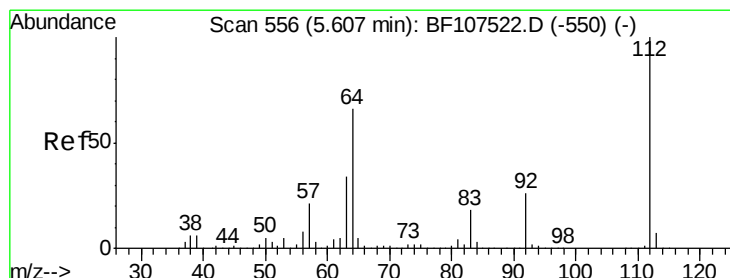
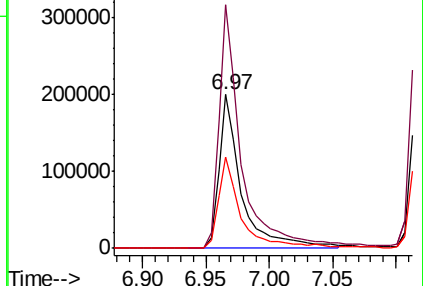
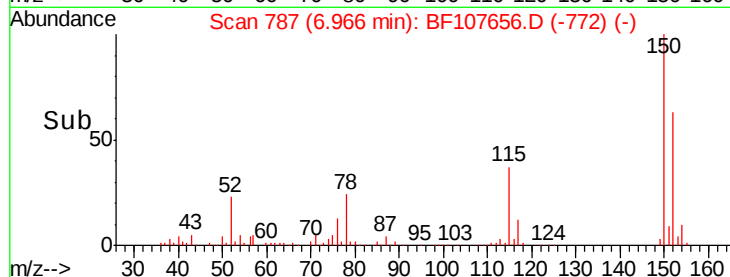
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

Tgt Ion:152 Resp: 249136
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.6 186.8
 115 59.3 50.1 75.1

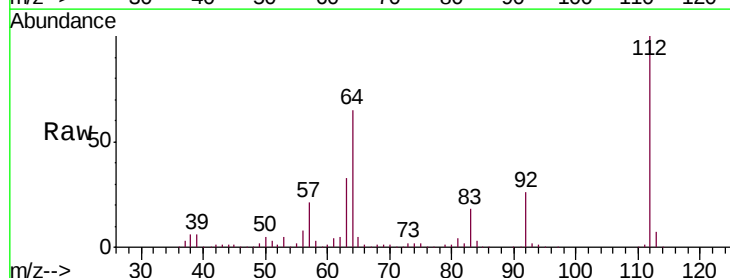


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

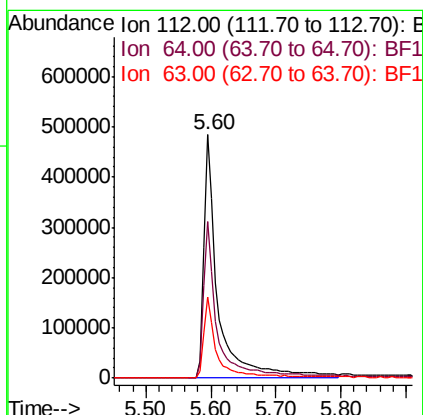
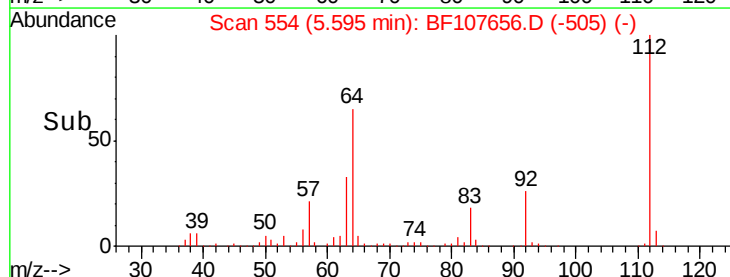


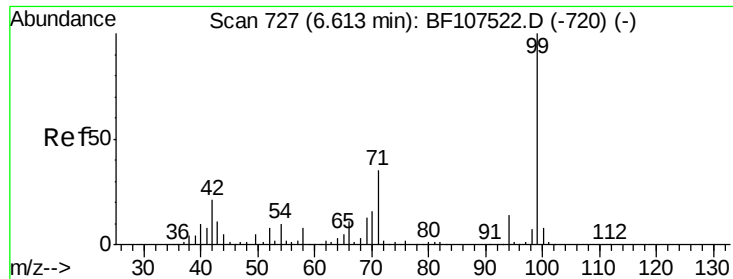
#5
 2-Fluorophenol
 Concen: 48.178 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Tgt Ion:112 Resp: 746538
 Ion Ratio Lower Upper
 112 100
 64 64.5 47.9 71.9
 63 33.2 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: 50.473 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-A

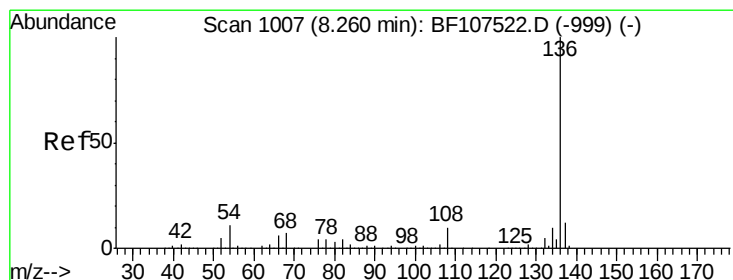
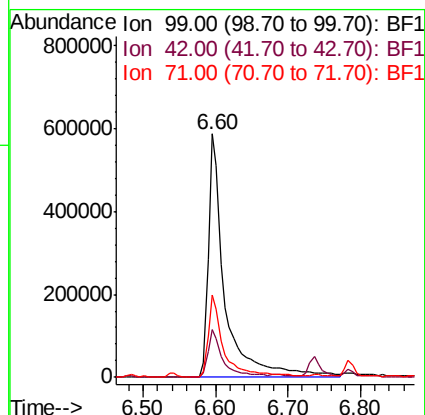
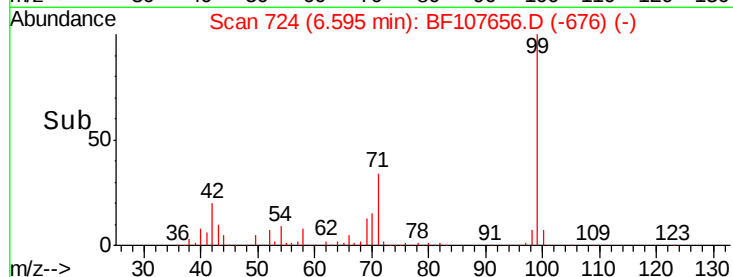
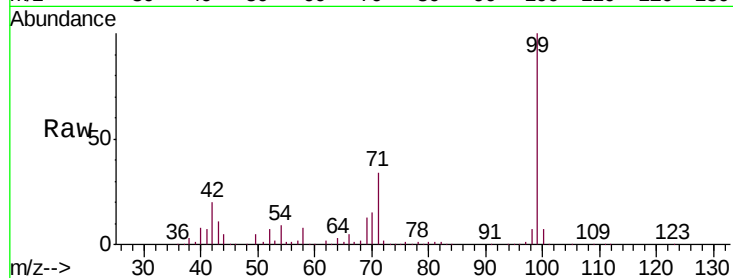
Tgt Ion: 99 Resp: 939104

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 33.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

Tgt Ion: 136 Resp: 945196

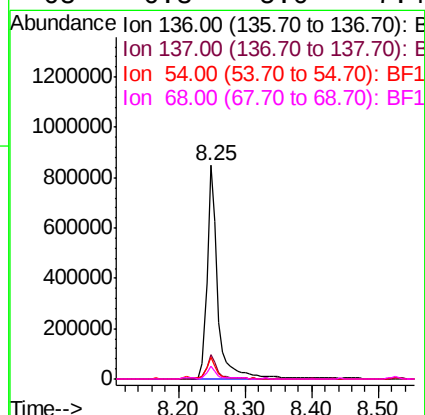
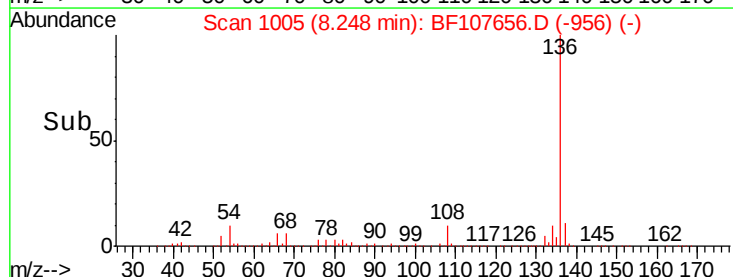
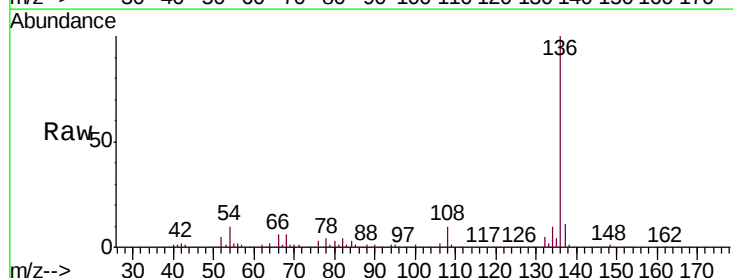
Ion Ratio Lower Upper

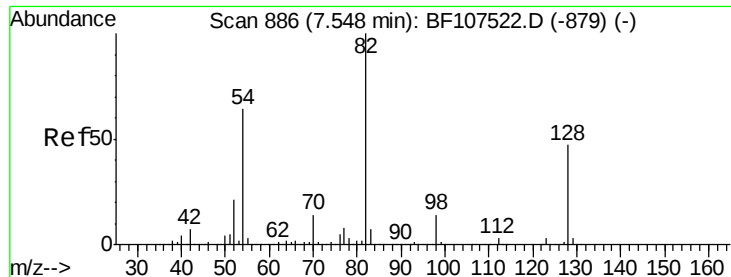
136 100

137 11.1 8.9 13.3

54 10.1 6.6 9.8#

68 6.3 5.0 7.4

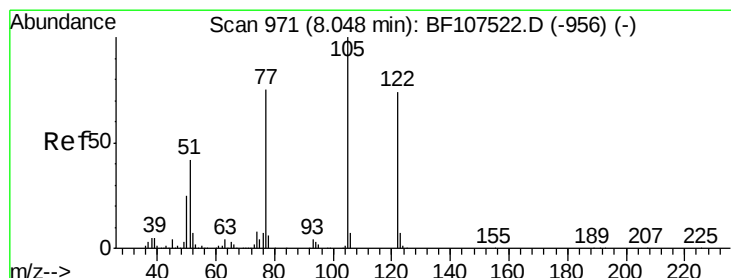
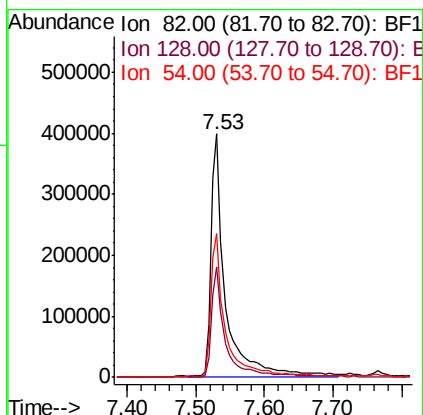
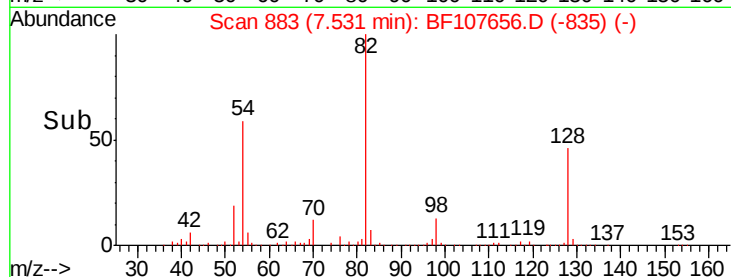
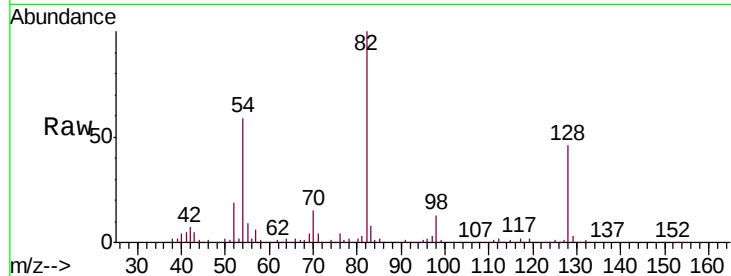




#23
Nitrobenzene-d5
Concen: 41.020 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

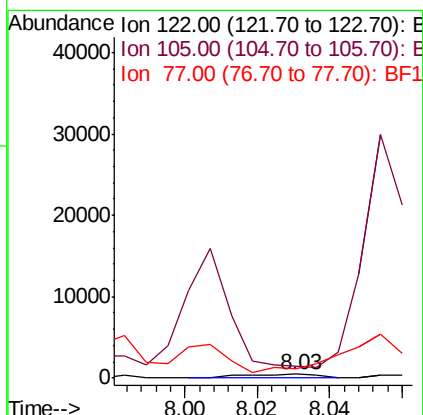
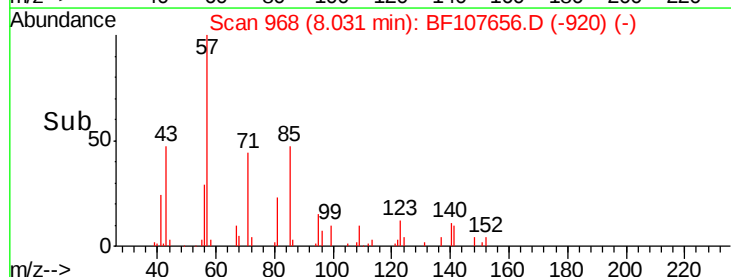
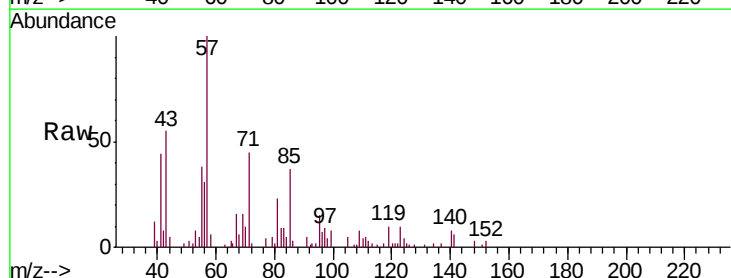
Instrument :
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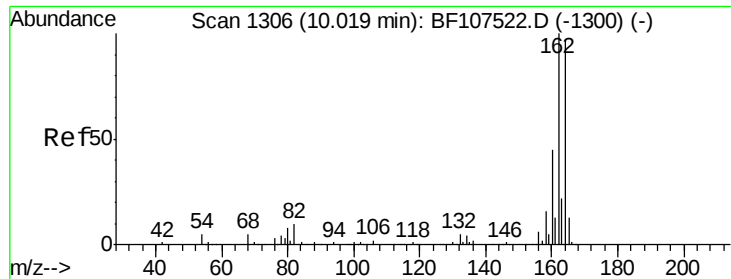
Tgt Ion: 82 Resp: 574498
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 59.3 41.4 62.2



#32
Benzoic acid
Concen: 7.963 ng
RT: 8.03 min Scan# 968
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion: 122 Resp: 678
Ion Ratio Lower Upper
122 100
105 289.1 101.1 141.1#
77 216.7 70.7 110.7#

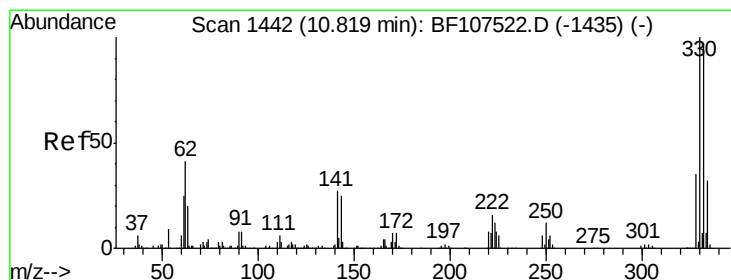
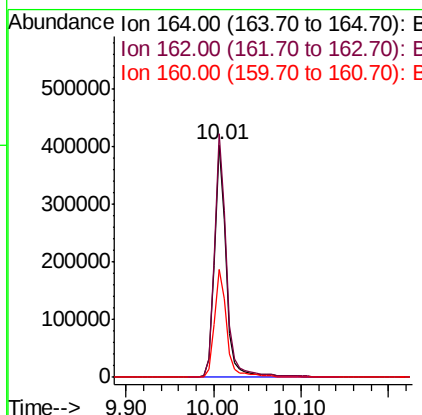
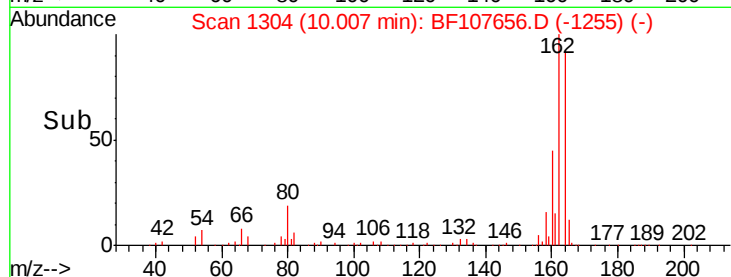
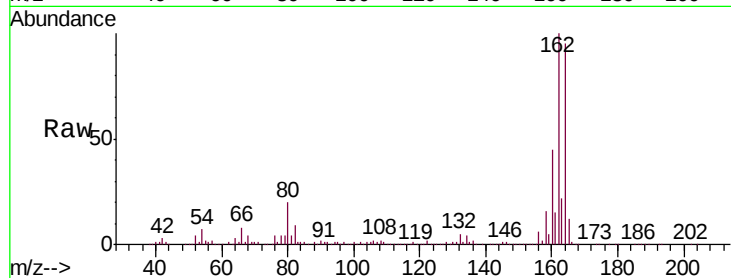




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

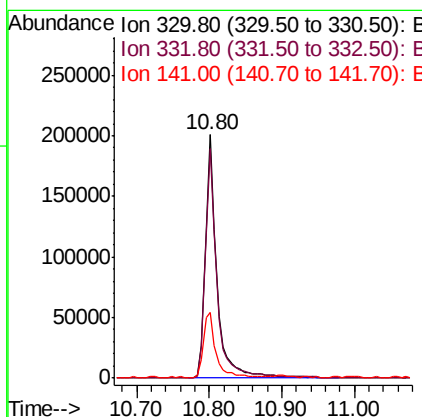
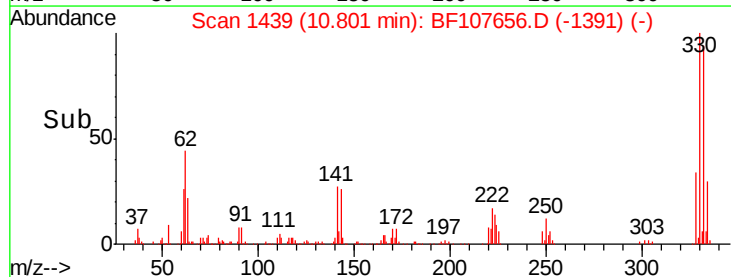
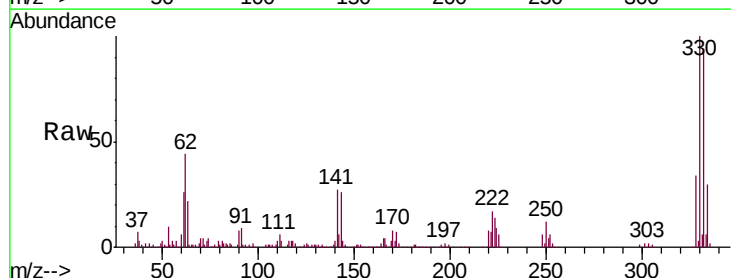
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

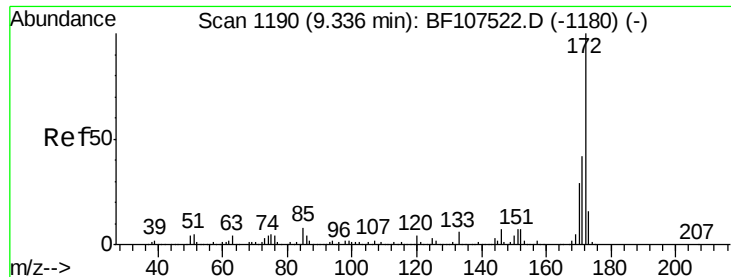
Tgt Ion:164 Resp: 382802
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 46.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 52.157 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Tgt Ion:330 Resp: 227042
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 28.3 29.9 44.9#

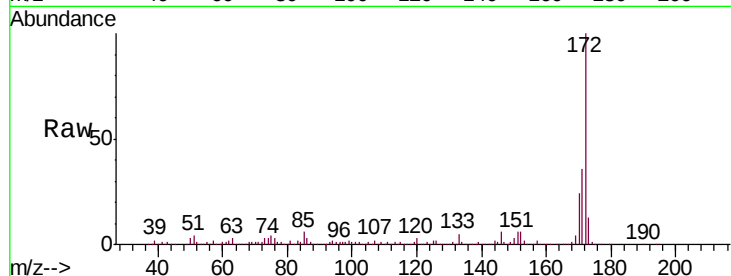




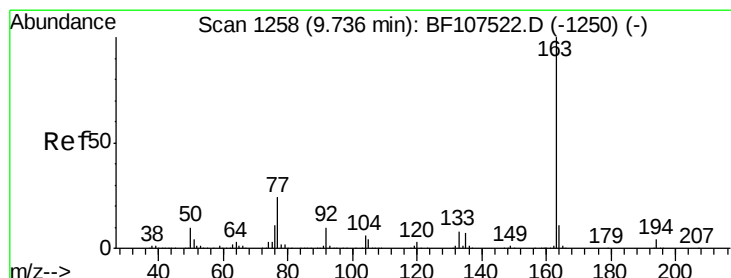
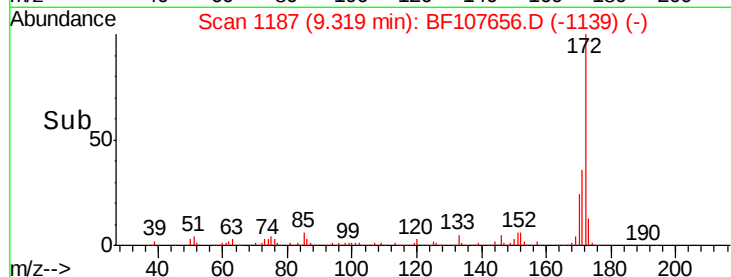
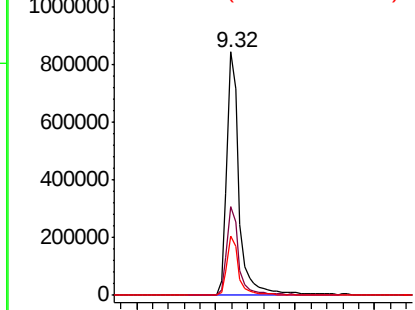
#44
2-Fluorobiphenyl
Concen: 33.315 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	19.6	29.4

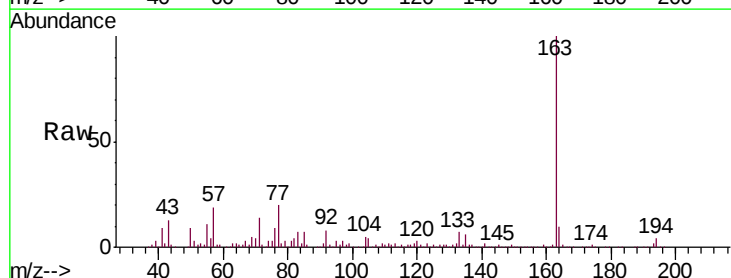


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

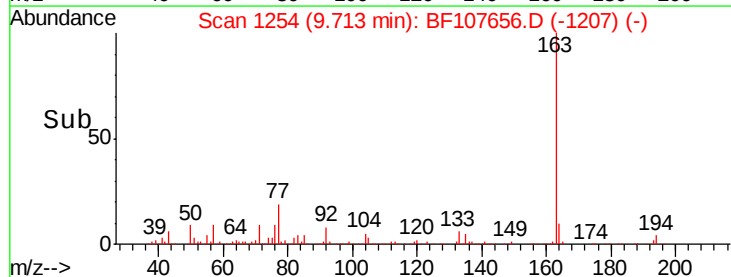
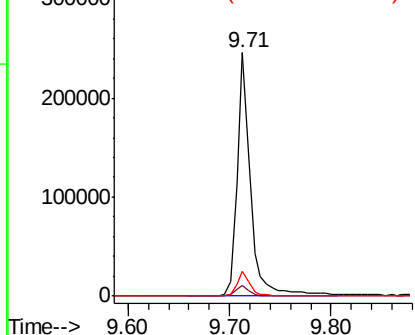


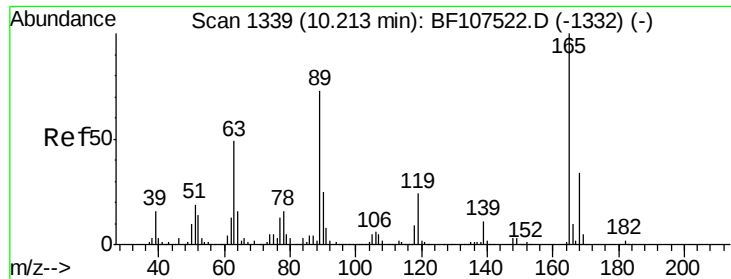
#49
Dimethylphthalate
Concen: 7.745 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	10.2	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

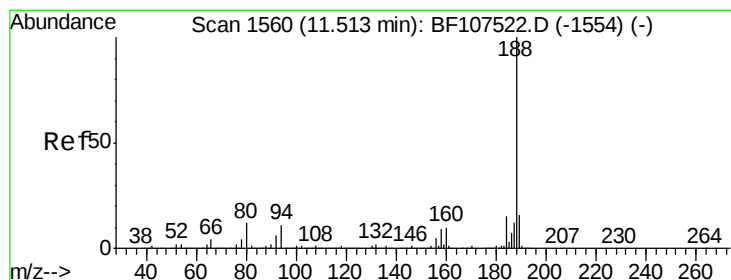
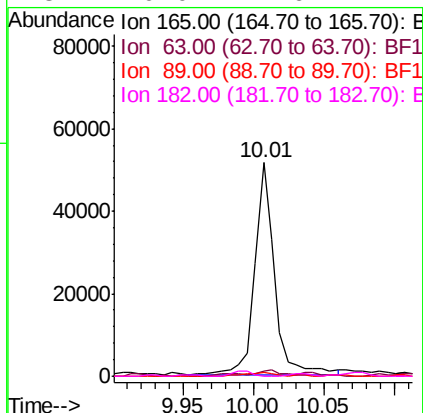
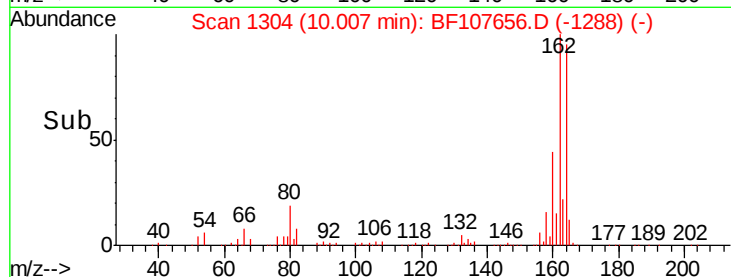
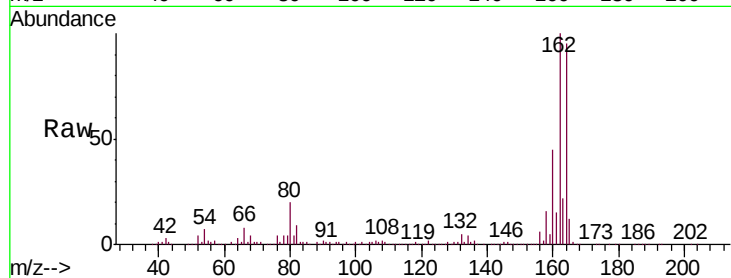




#56
 2,4-Dinitrotoluene
 Concen: 7.289 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

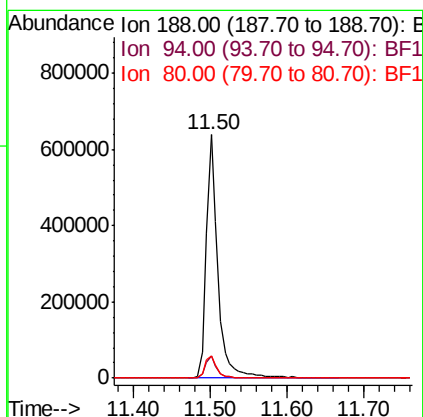
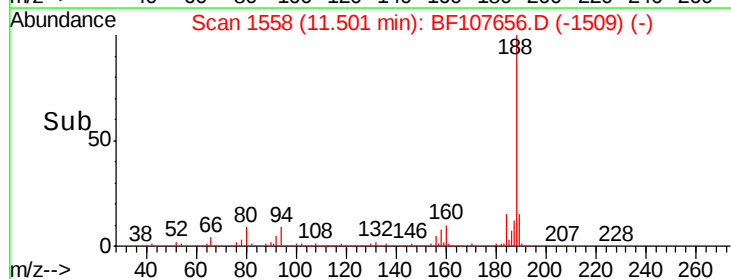
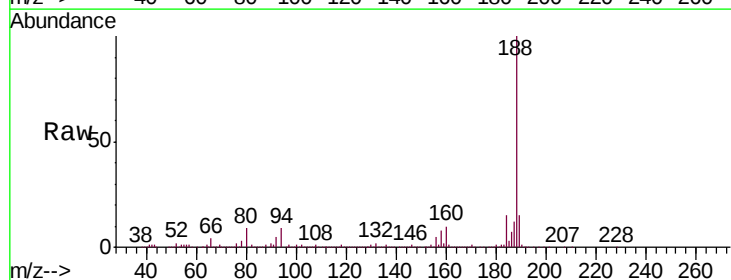
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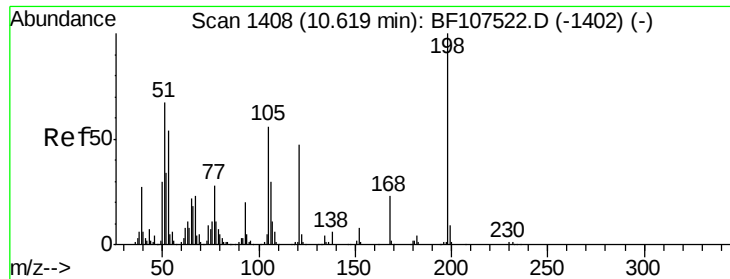
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.4	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.820 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-A

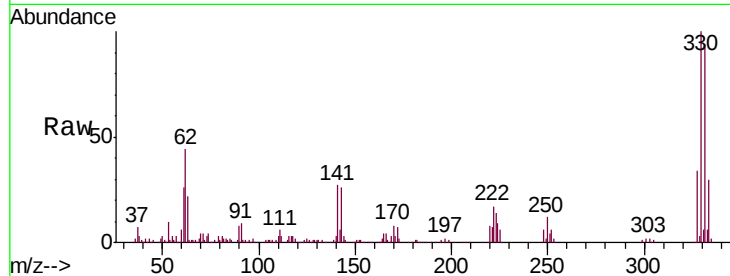
Tgt Ion:198 Resp: 549

Ion Ratio Lower Upper

198 100

51 149.5 37.7 77.7#

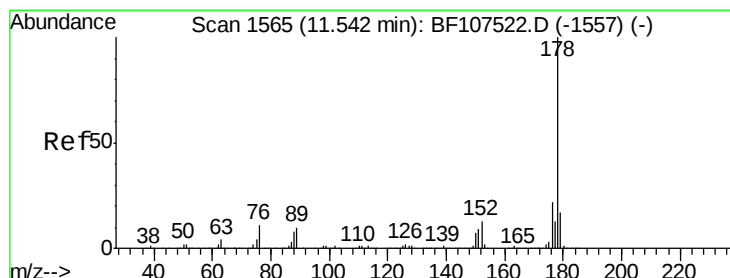
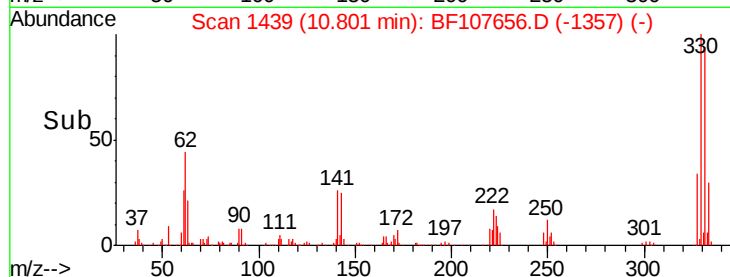
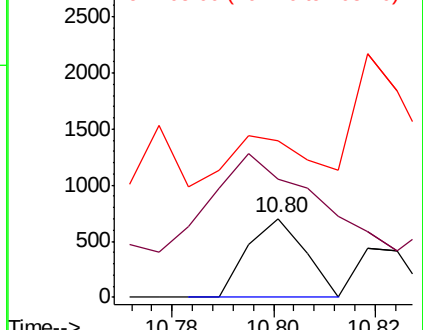
105 199.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 2.950 ng

RT: 11.52 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

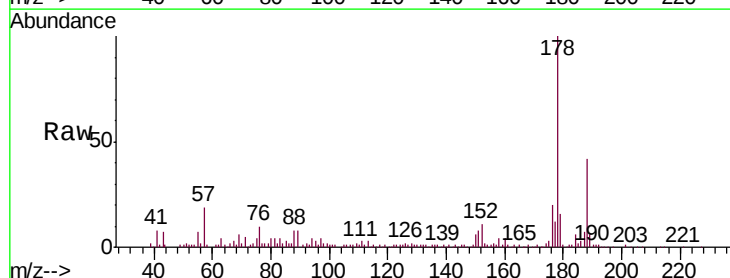
Tgt Ion:178 Resp: 95996

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

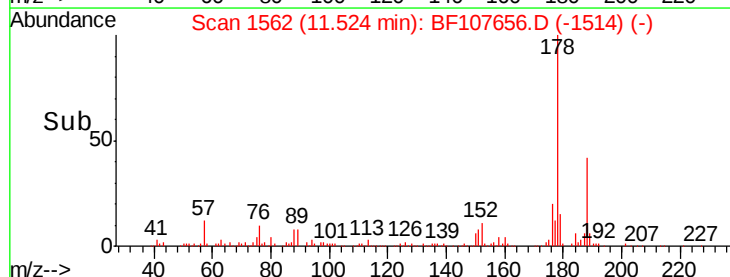
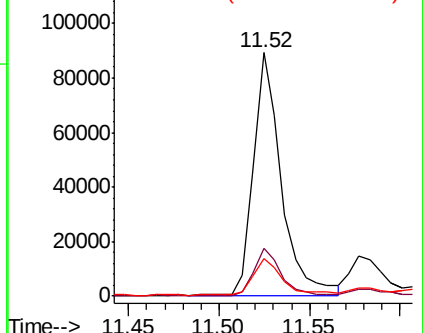
179 15.5 13.0 19.6

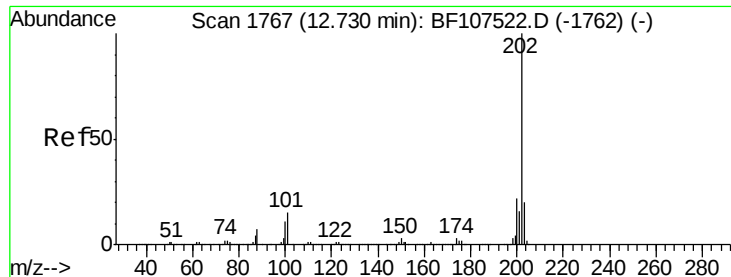


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

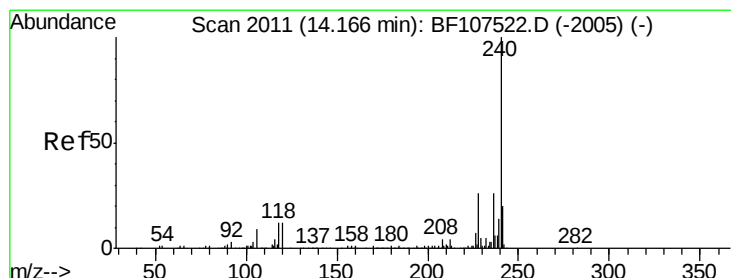
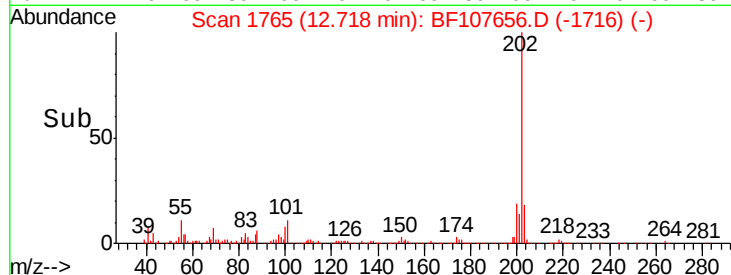
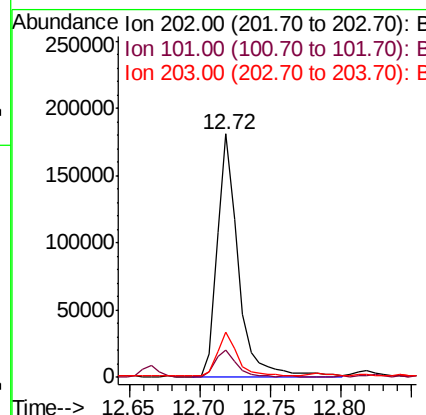
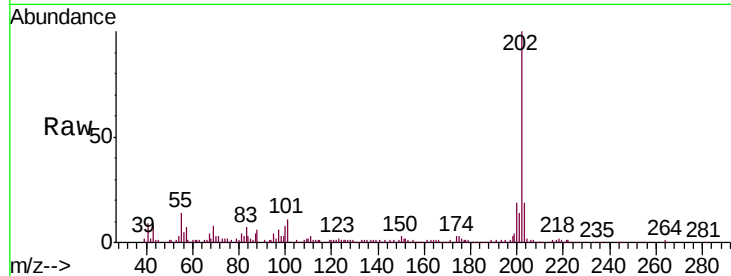




#74
 Fluoranthene
 Concen: 5.350 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

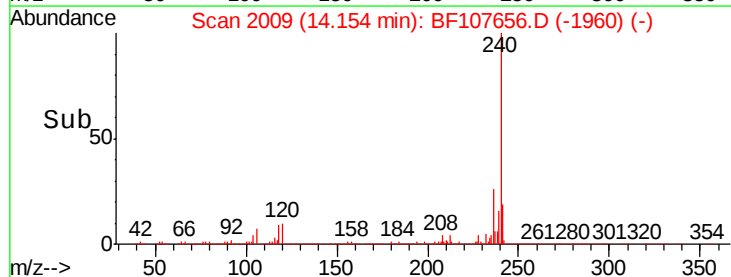
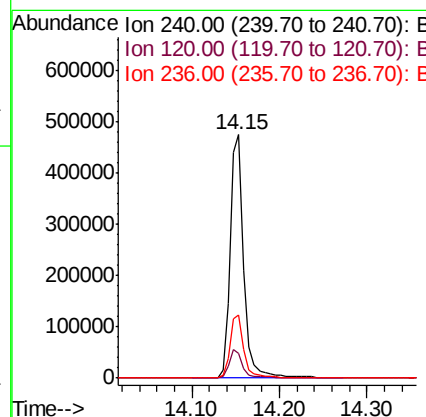
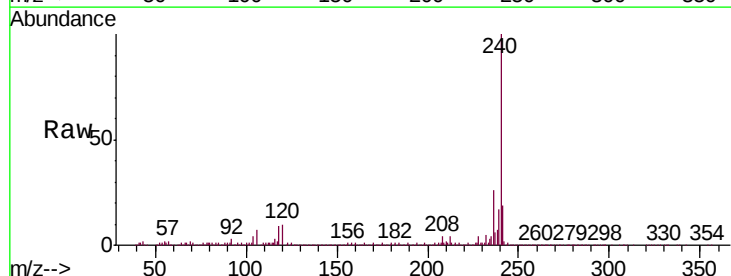
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

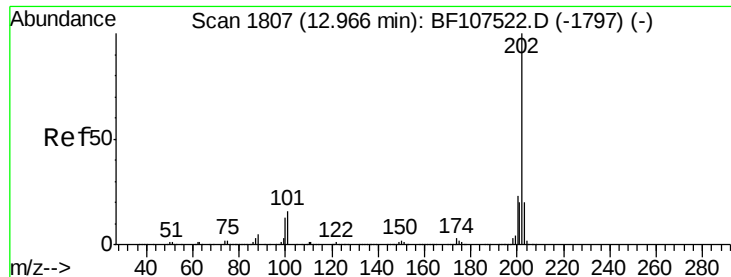
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	18.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	25.8	20.7	31.1





#77

Pyrene

Concen: 5.295 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-A

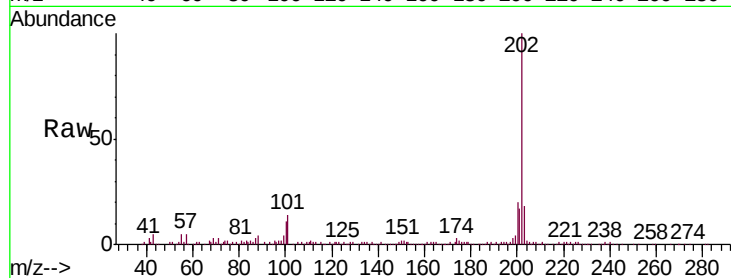
Tgt Ion:202 Resp: 182936

Ion Ratio Lower Upper

202 100

200 19.5 17.4 26.2

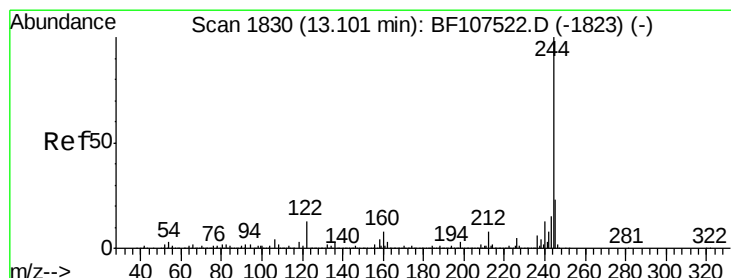
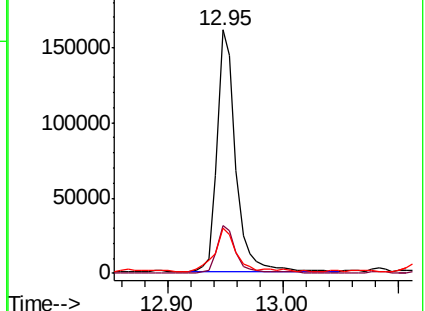
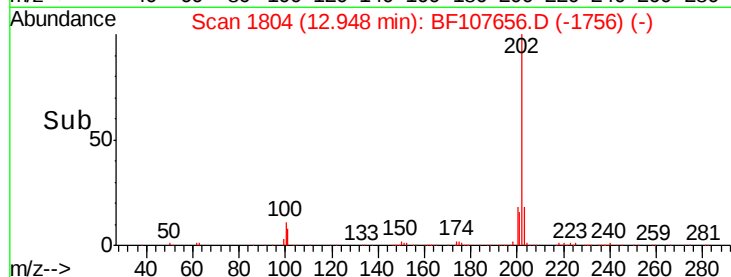
203 18.3 14.3 21.5



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: 35.567 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

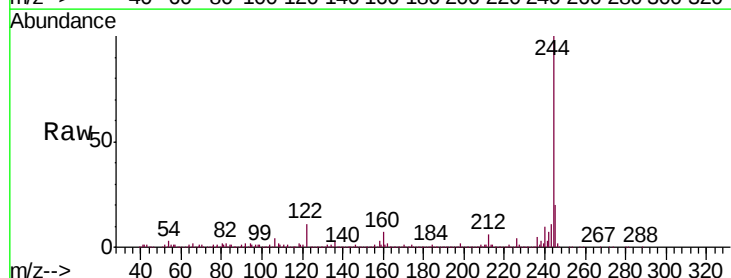
Tgt Ion:244 Resp: 701690

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

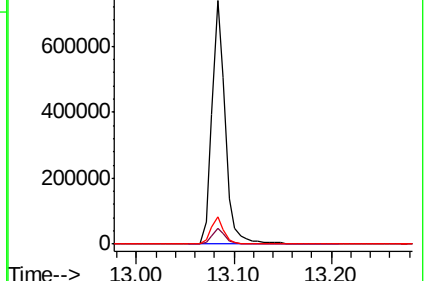
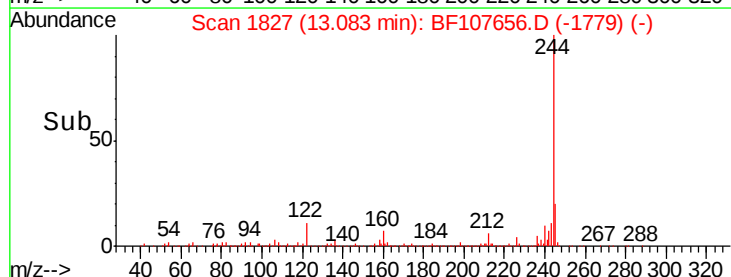
122 11.1 11.0 16.4

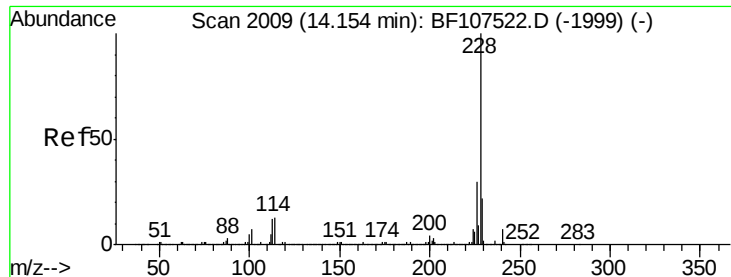


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

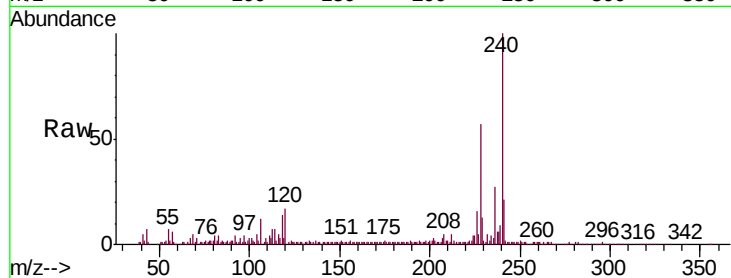




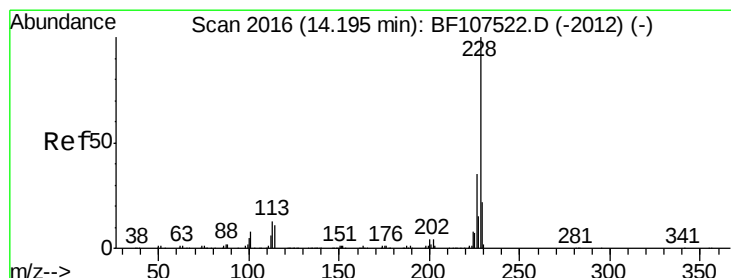
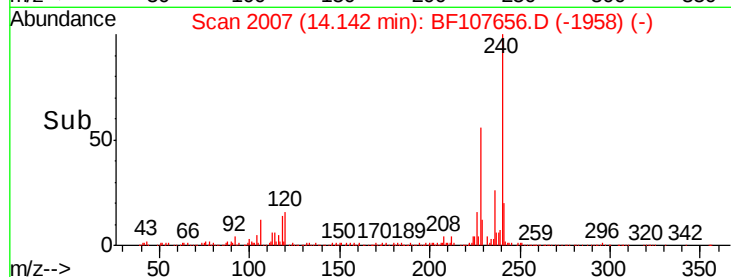
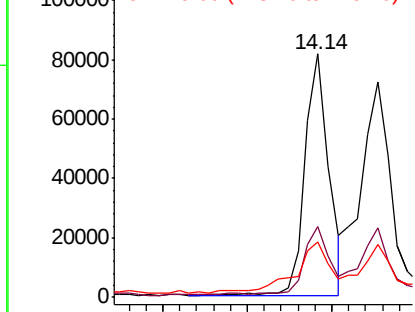
#80
Benzo(a)anthracene
Concen: 2.695 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

Tgt Ion:228 Resp: 79759
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 22.7 15.8 23.6

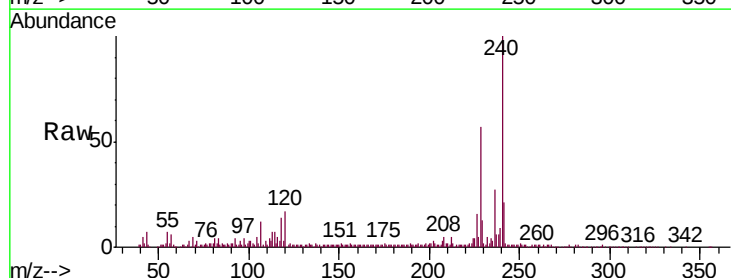


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

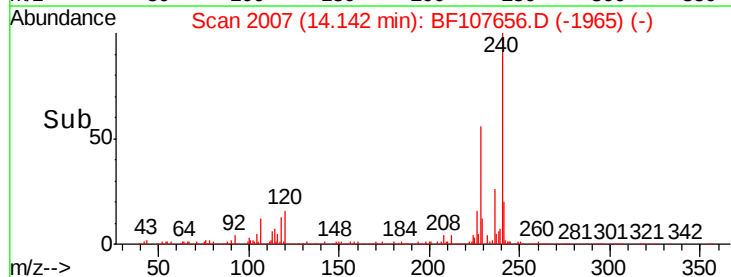
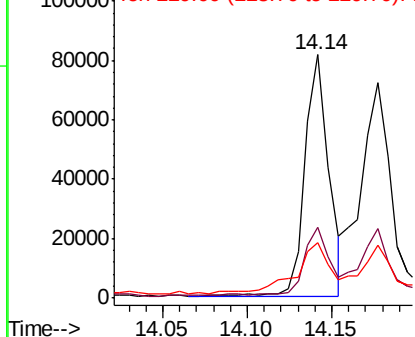


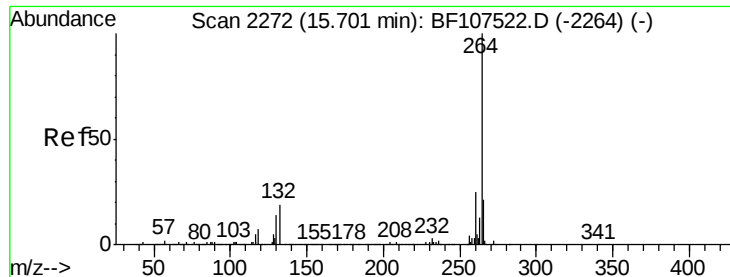
#82
Chrysene
Concen: 2.805 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.05 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion:228 Resp: 79759
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 22.7 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

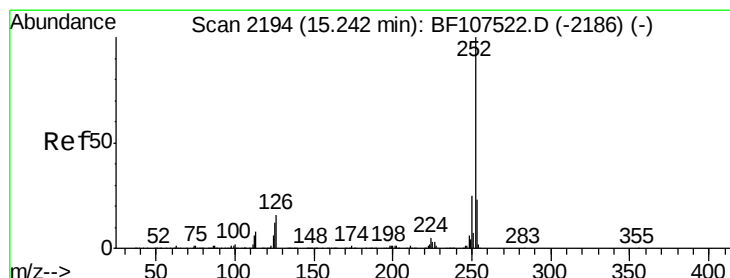
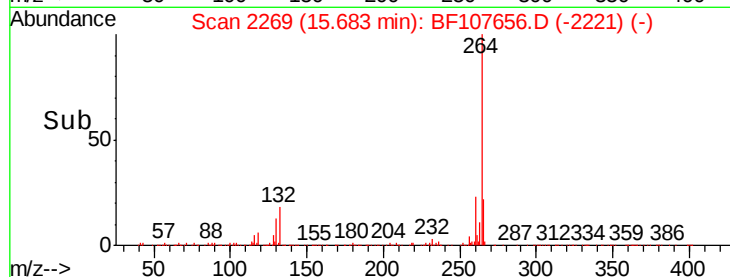
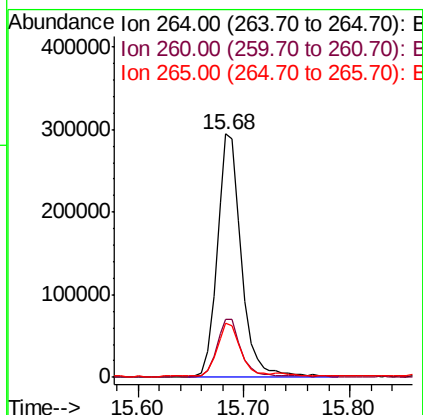
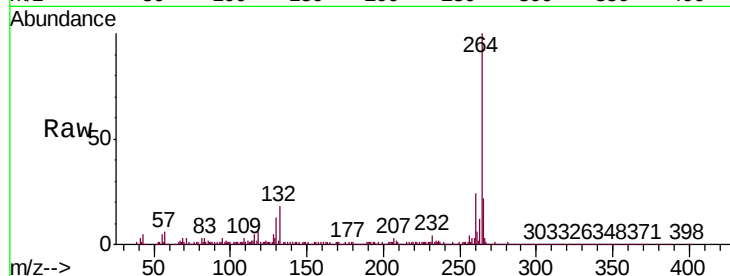




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

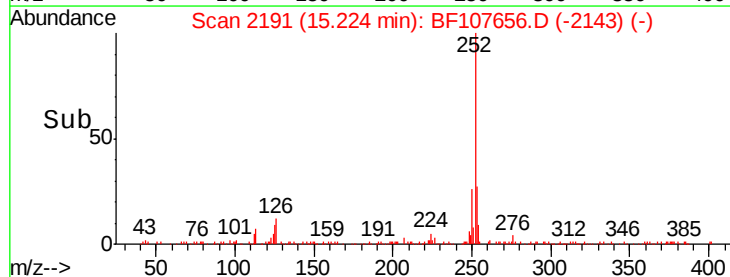
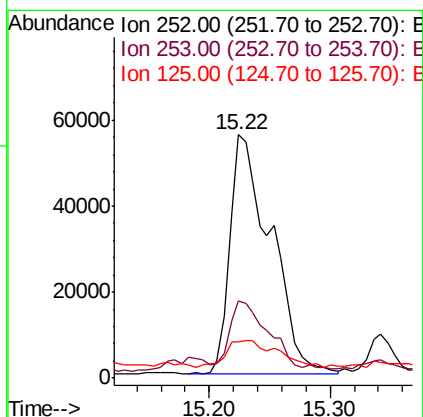
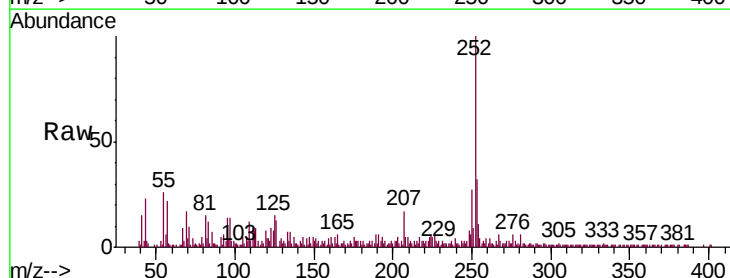
Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

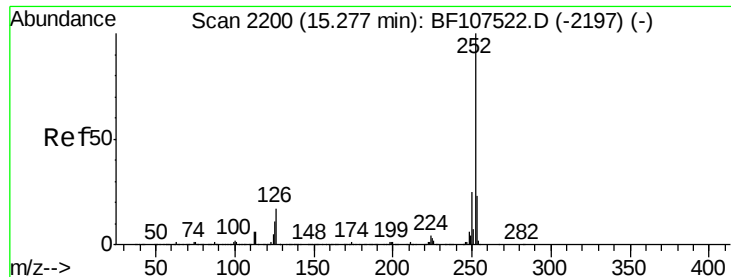
Tgt Ion:264 Resp: 465696
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.138 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion:252 Resp: 130940
Ion Ratio Lower Upper
252 100
253 31.5 17.0 25.6#
125 15.1 9.0 13.6#

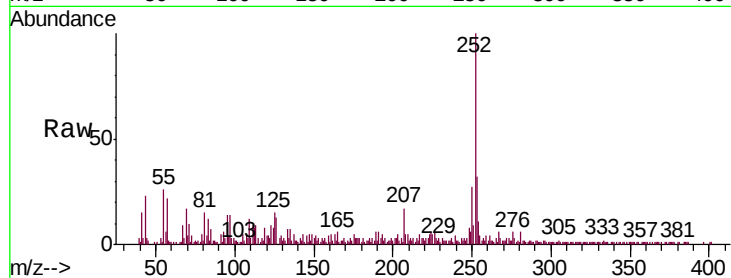




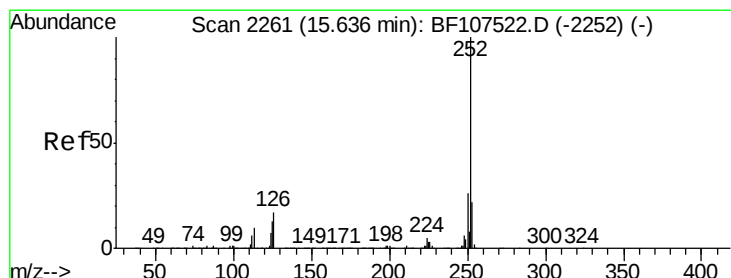
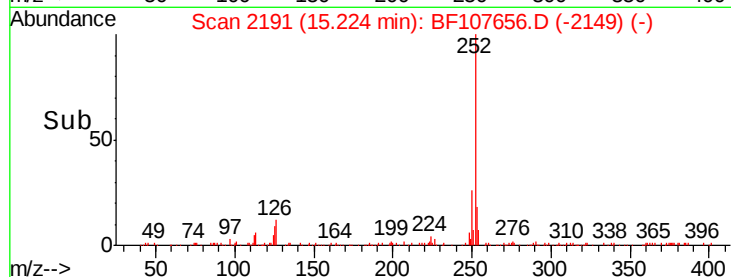
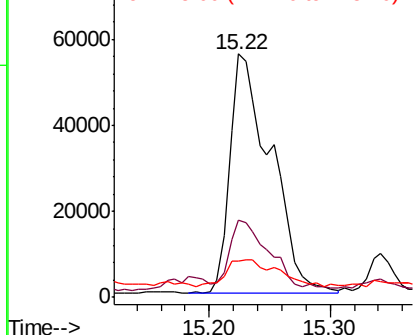
#88
Benzo(k)fluoranthene
Concen: 5.244 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.05 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.5	17.9	26.9#
125	15.1	10.2	15.2

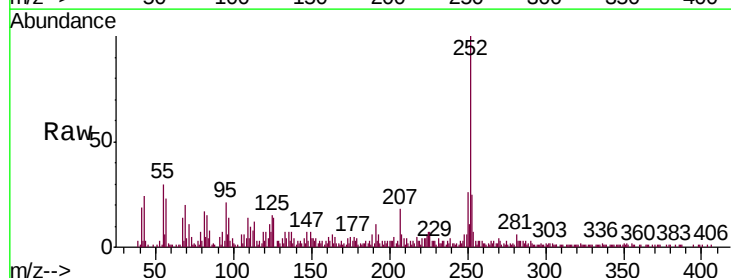


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

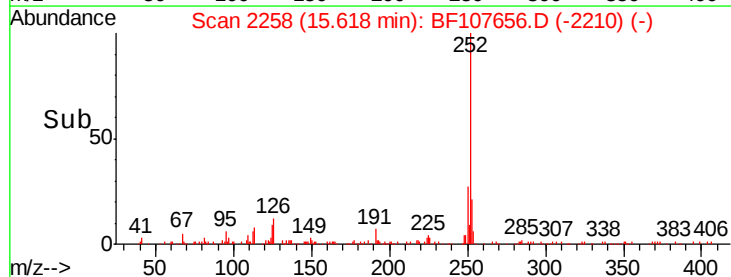
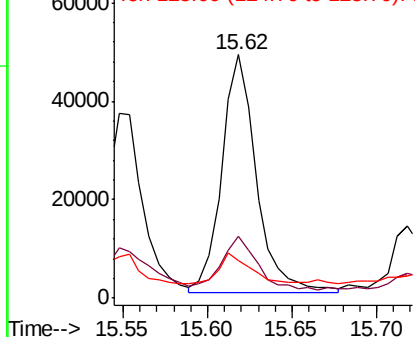


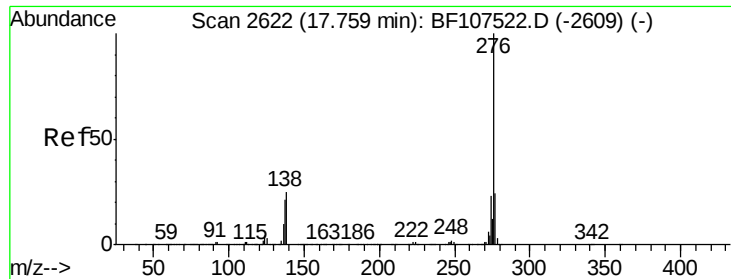
#89
Benzo(a)pyrene
Concen: 2.952 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	15.4	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: 2.264 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

Tgt Ion: 276 Resp: 45004
Ion Ratio Lower Upper
276 100
277 30.6 17.9 26.9#
138 23.3 21.8 32.8

