

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107668.D
 Acq On : 25 Jul 2018 20:17
 Operator : JU/SJ
 Sample : J4031-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 02:05:58 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	193600	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	738675	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	289614	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	506803	20.00	ng	0.00
75) Chrysene-d12	14.15	240	429741	20.00	ng	-0.01
86) Perylene-d12	15.69	264	372974	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	582305	48.36	ng	-0.01
7) Phenol-d6	6.60	99	731759	50.61	ng	-0.02
23) Nitrobenzene-d5	7.53	82	434590	39.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	168544	51.18	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	824667	41.57	ng	-0.01
78) Terphenyl-d14	13.09	244	686620	40.90	ng	-0.01

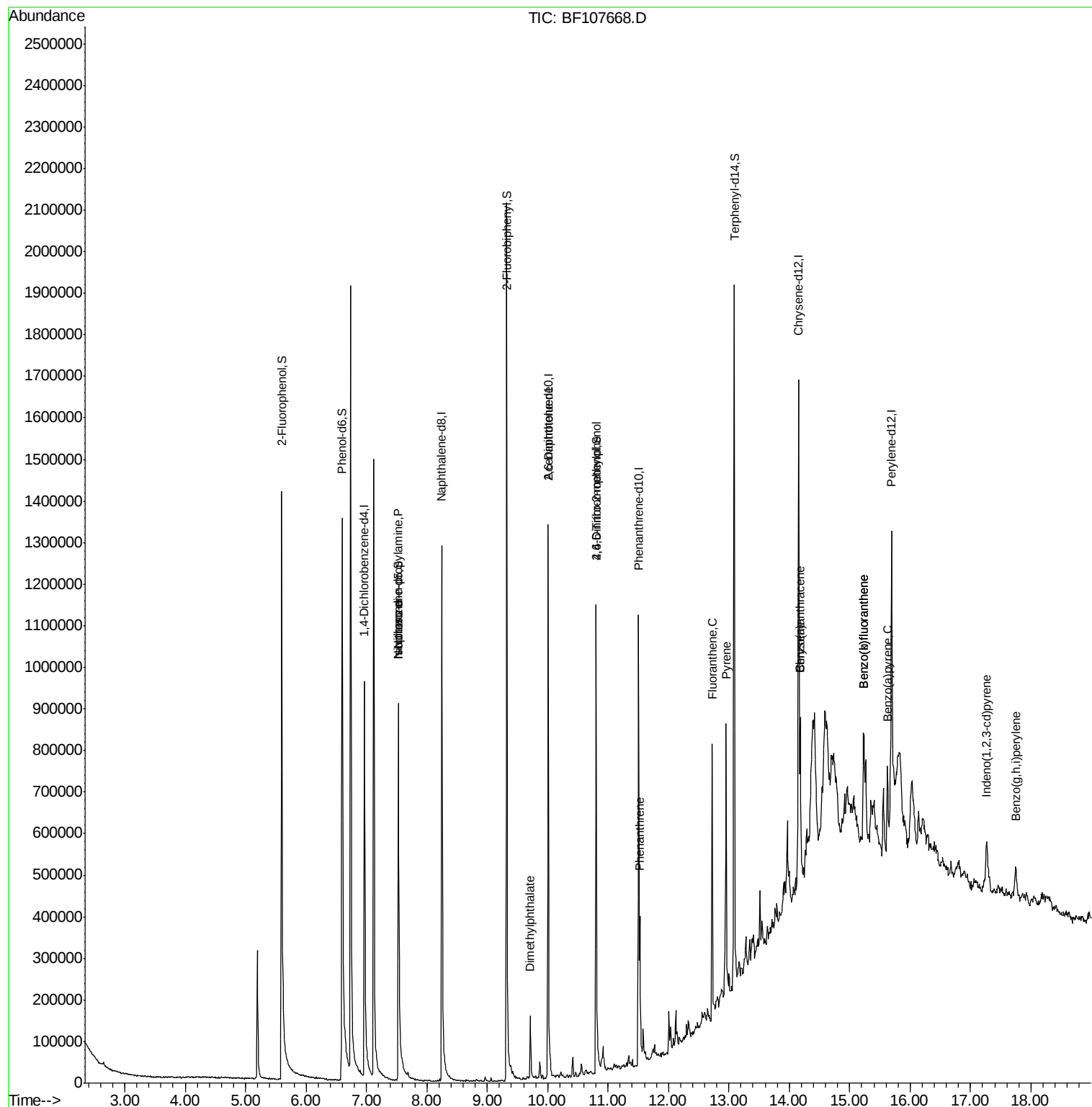
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	12773	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.53	70	52580	5.629 ng	#	84
25) Isophorone	7.53	82	434590	18.596 ng	#	64
49) Dimethylphthalate	9.71	163	66766	3.059 ng		98
50) 2,6-Dinitrotoluene	10.01	165	37087	8.558 ng	#	26
64) 4,6-Dinitro-2-methylphenol	10.80	198	140	8.728 ng	#	1
70) Phenanthrene	11.53	178	133821	5.419 ng		98
73) Di-n-butylphthalate	12.05	149	3520	Below Cal	#	89
74) Fluoranthene	12.72	202	312719	11.800 ng		96
77) Pyrene	12.95	202	279483	9.508 ng		98
80) Benzo(a)anthracene	14.18	228	146968	5.836 ng		93
81) 3,3'-Dichlorobenzidine	14.11	252	662	Below Cal	#	56
82) Chrysene	14.18	228	146968	6.075 ng		97
85) Indeno(1,2,3-cd)pyrene	17.27	276	77715	3.790 ng	#	87
87) Benzo(b)fluoranthene	15.23	252	248257	12.162 ng	#	94
88) Benzo(k)fluoranthene	15.23	252	248257	12.414 ng		97
89) Benzo(a)pyrene	15.62	252	121371	6.500 ng	#	95
91) Benzo(g,h,i)perylene	17.75	276	72766	4.570 ng	#	92

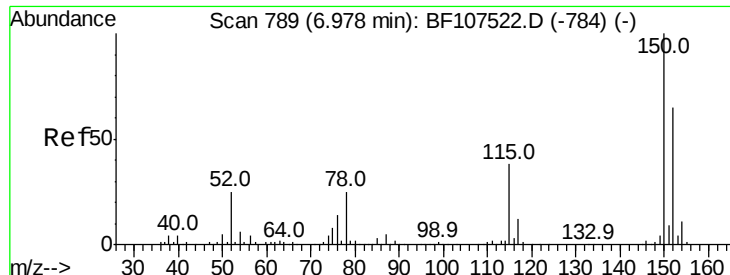
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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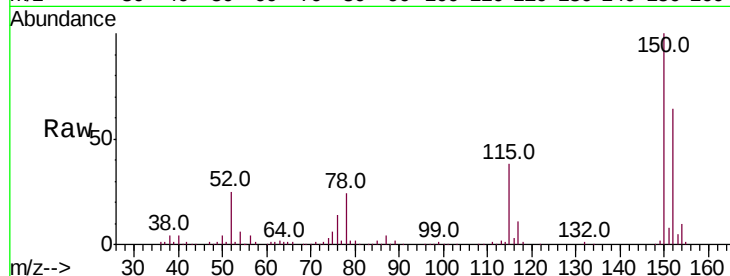


#1

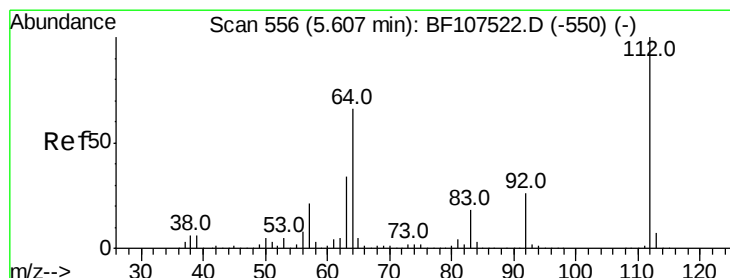
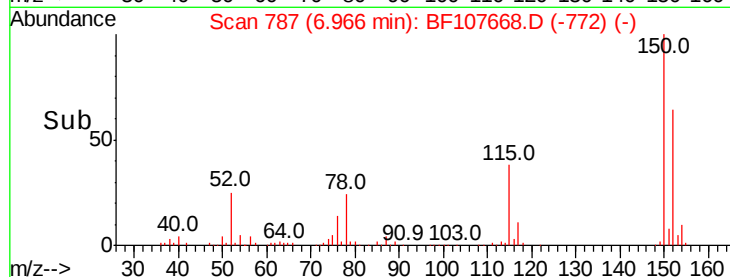
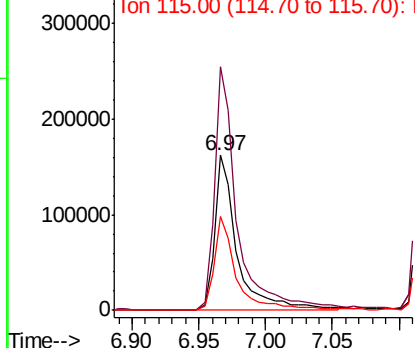
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 193600
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 60.3 50.1 75.1



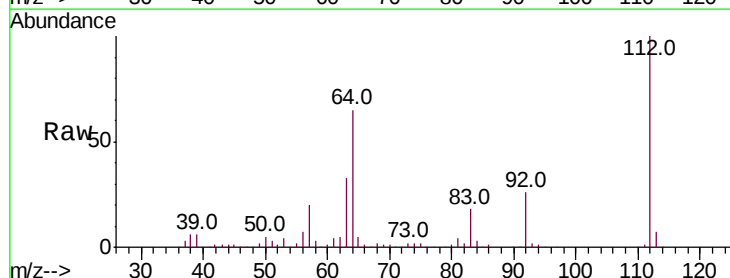
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



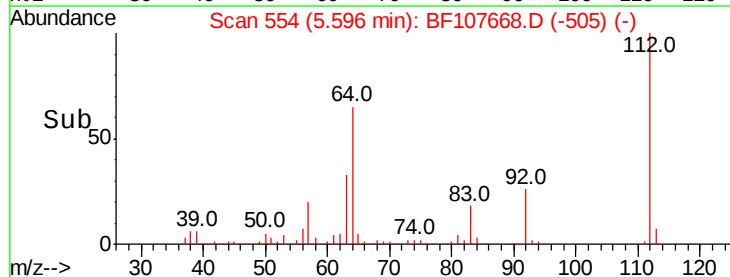
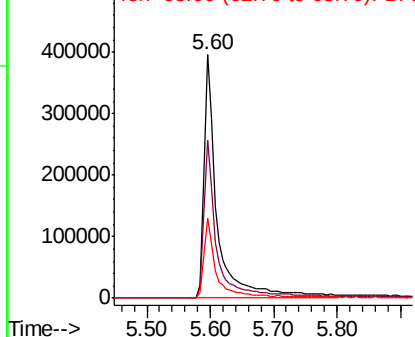
#5

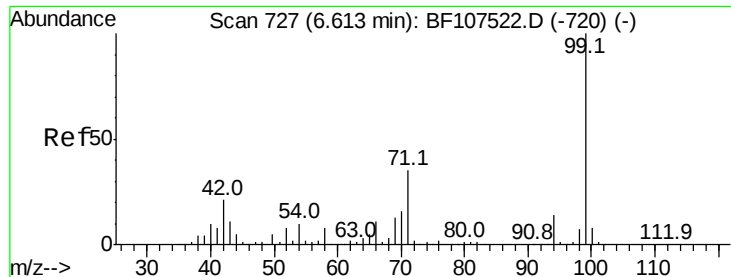
2-Fluorophenol
Concen: 48.359 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Tgt Ion:112 Resp: 582305
Ion Ratio Lower Upper
112 100
64 64.8 47.9 71.9
63 32.7 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: 50.611 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

Instrument :

BNA_F

ClientSampleId :

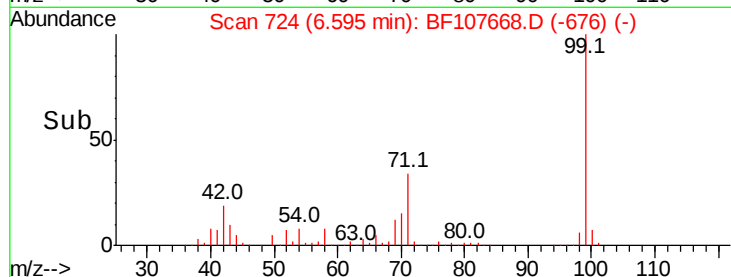
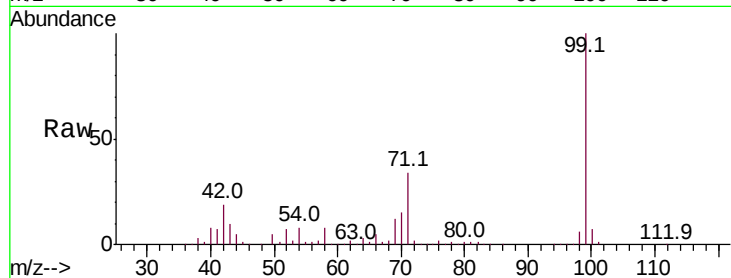
Tot Ion: 99 Resp: 731759

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

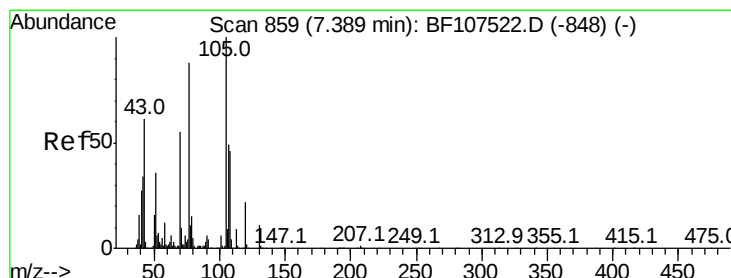
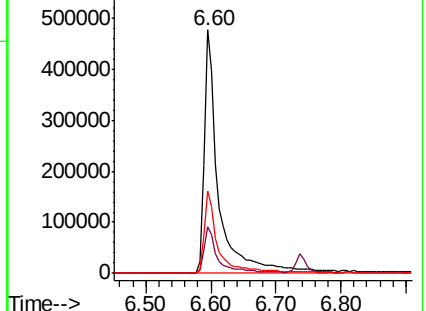
71 33.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.629 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

Tgt Ion: 70 Resp: 52580

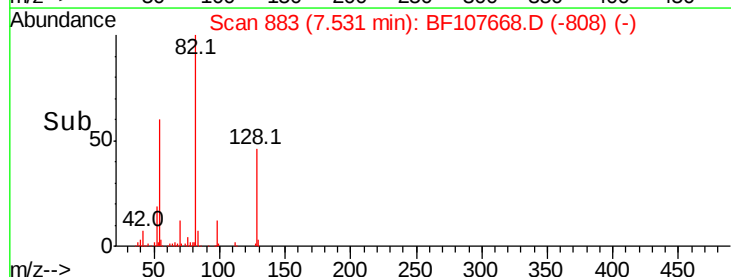
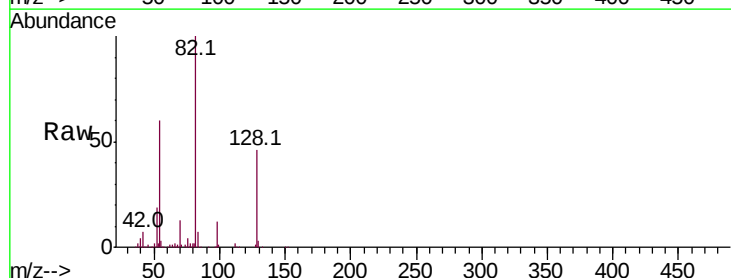
Ion Ratio Lower Upper

70 100

42 55.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

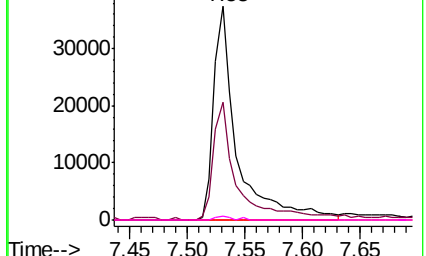


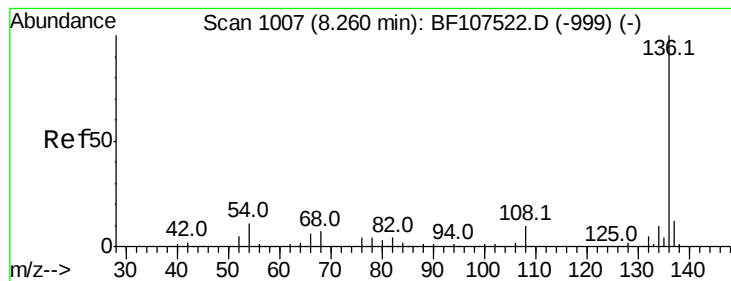
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 738675

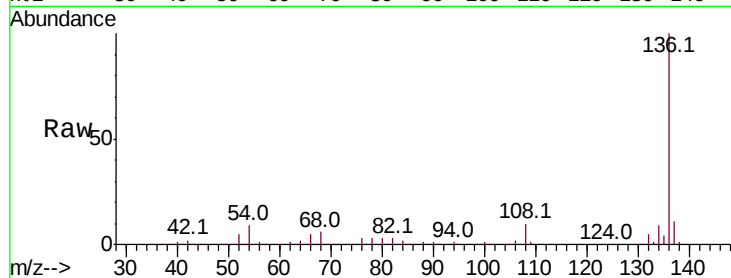
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.3 6.6 9.8

68 5.7 5.0 7.4

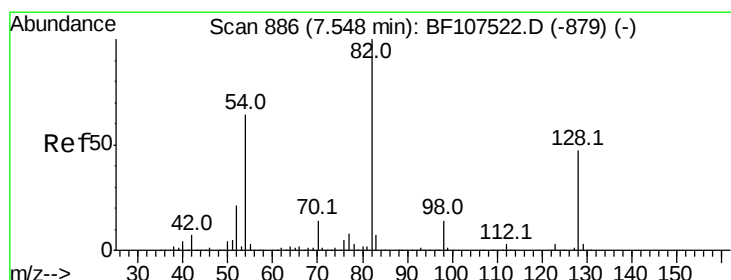
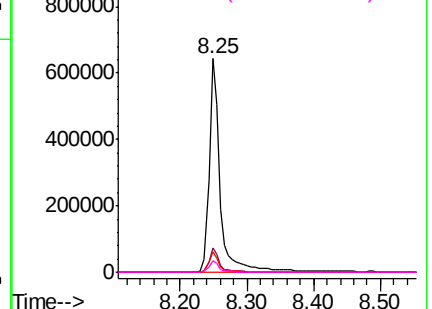
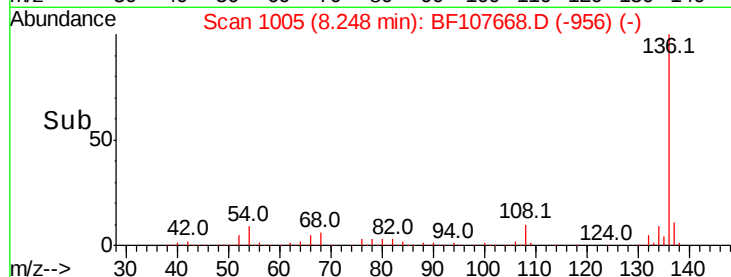


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.705 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

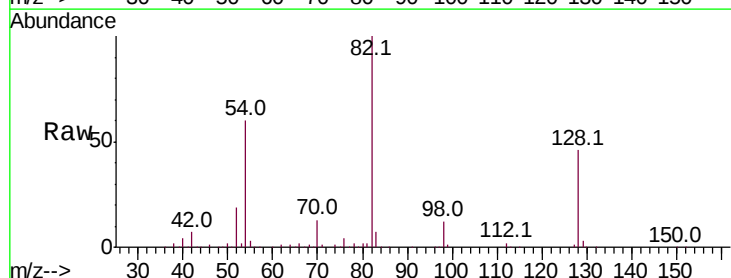
Tgt Ion: 82 Resp: 434590

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

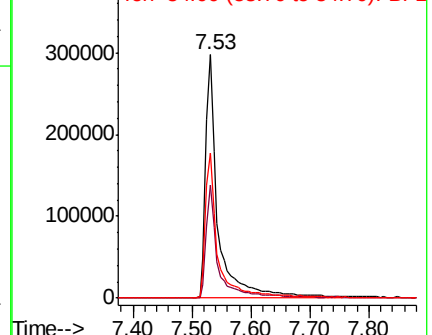
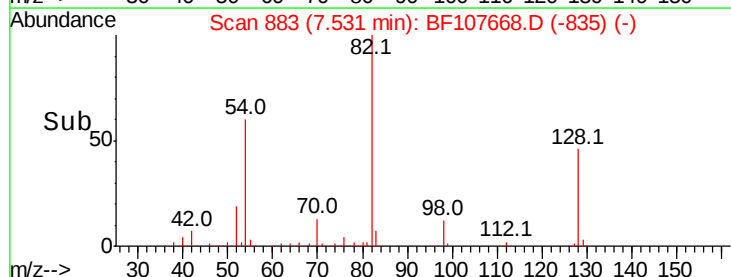
54 59.8 41.4 62.2

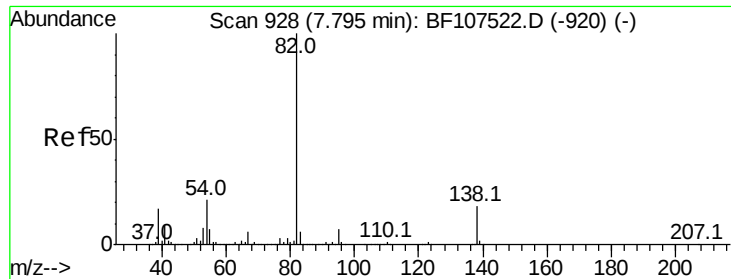


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.596 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

Instrument :

BNA_F

ClientSampleId :

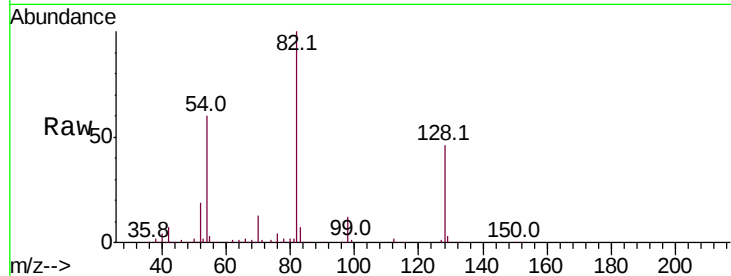
Tot Ion: 82 Resp: 434590

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

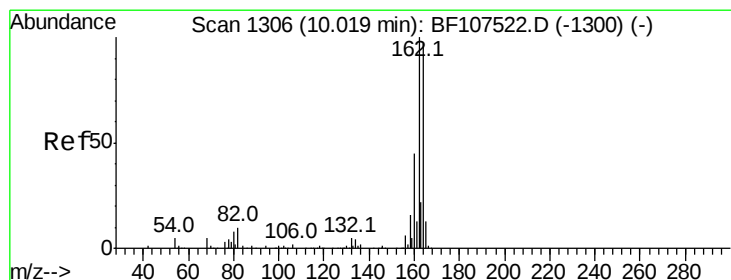
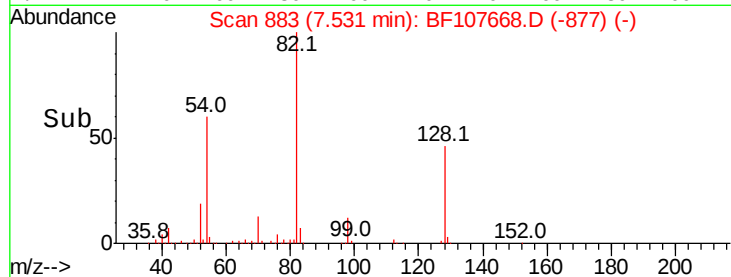
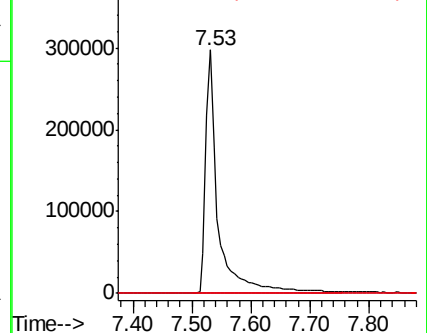
138 0.0 14.9 22.3#



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: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

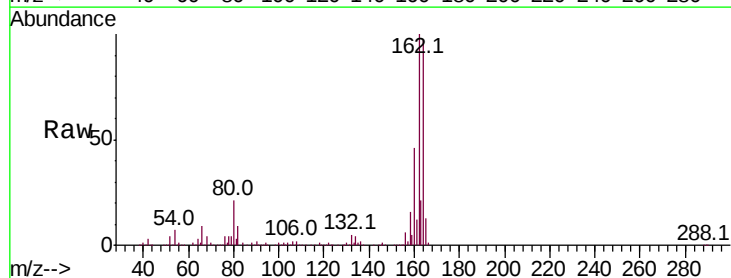
Tgt Ion:164 Resp: 289614

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

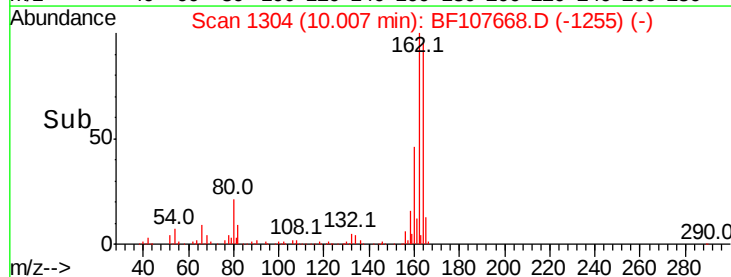
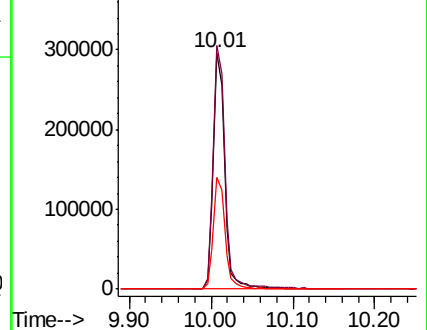
160 47.2 38.3 57.5

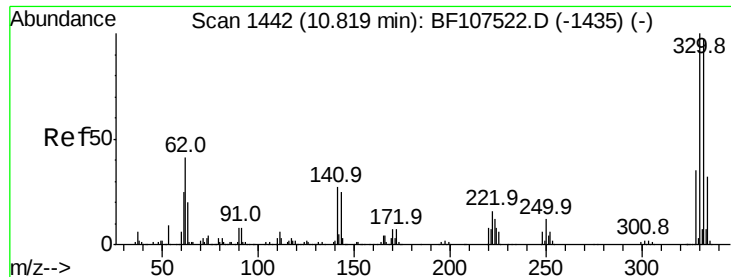


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

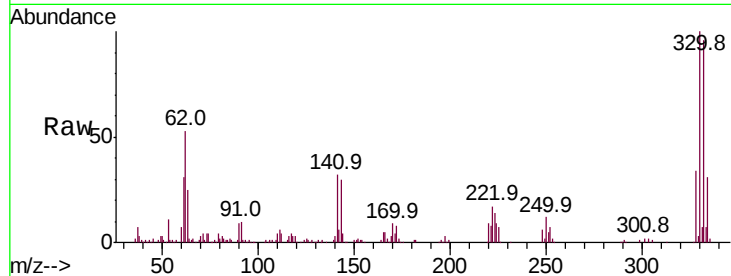




#41
 2,4,6-Tribromophenol
 Concen: 51.177 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107668.D
 Acq: 25 Jul 2018 20:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	30.0	29.9	44.9

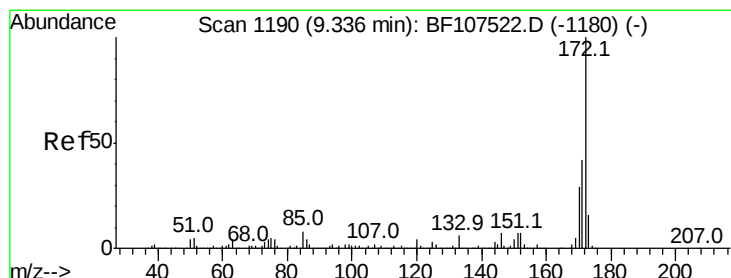
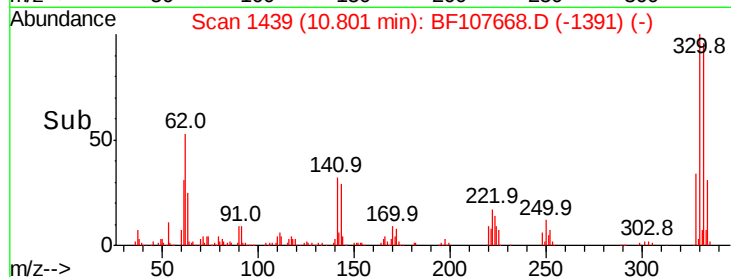
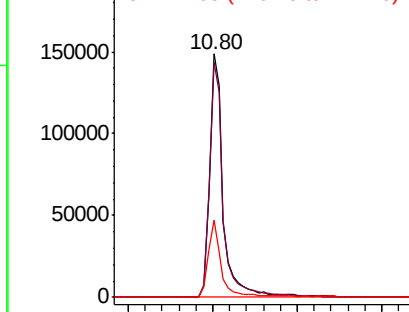


Abundance

Ion 329.80 (329.50 to 330.50): E

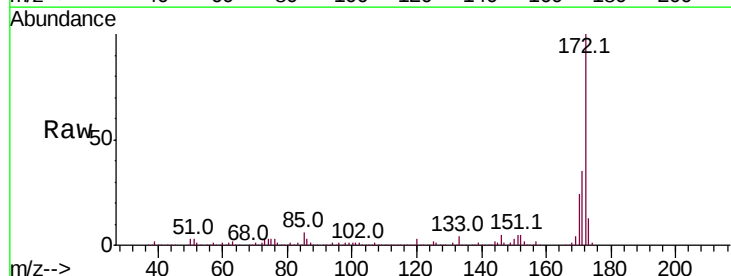
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 41.568 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107668.D
 Acq: 25 Jul 2018 20:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.7	19.6	29.4

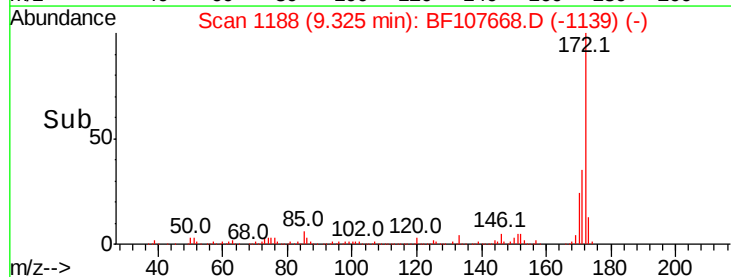
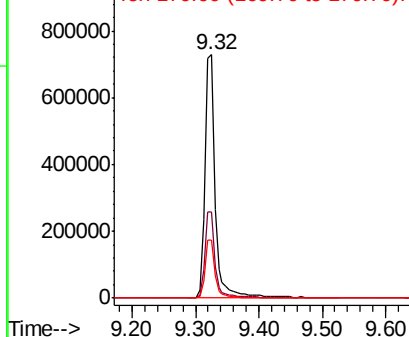


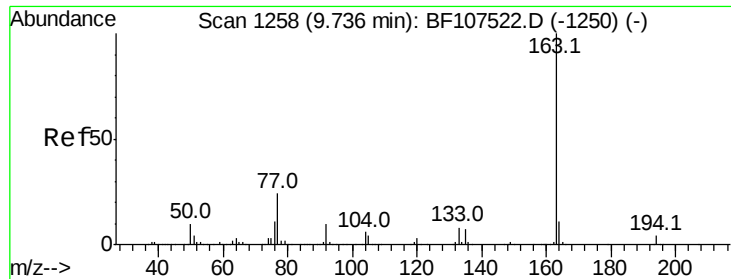
Abundance

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

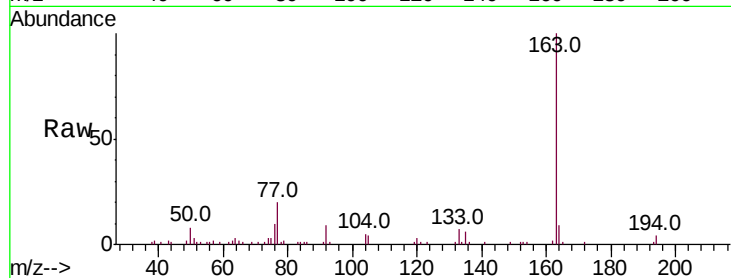




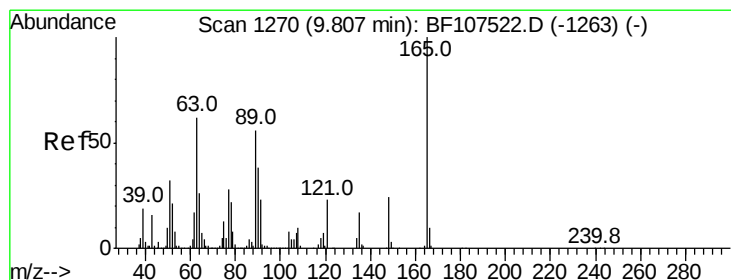
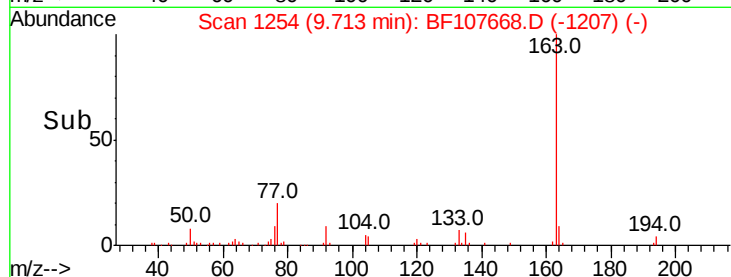
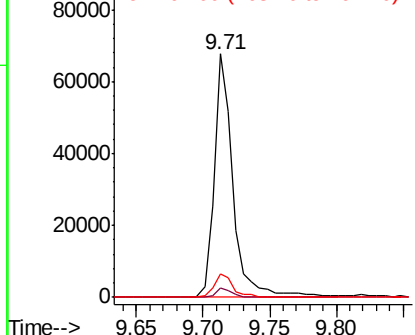
#49
Dimethylphthalate
Concen: 3.059 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 66766
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.5 8.2 12.2

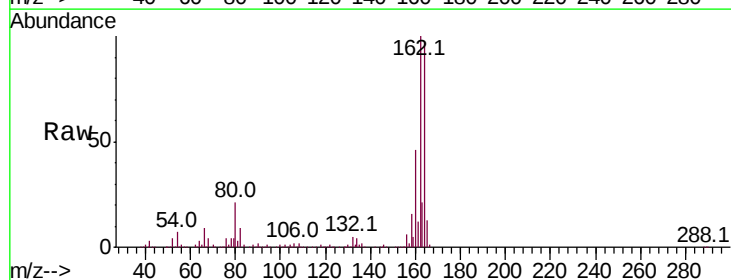


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

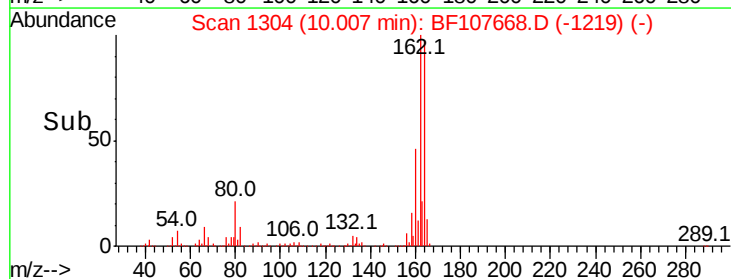
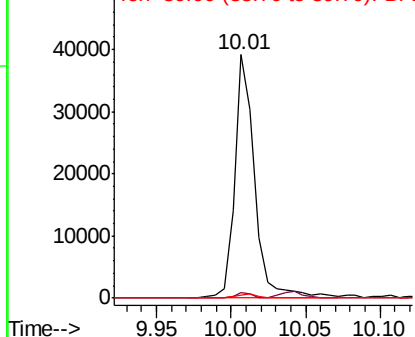


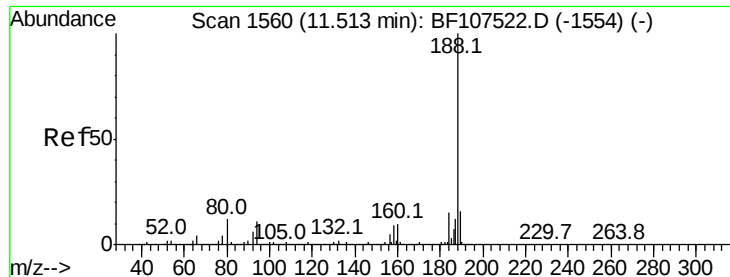
#50
2,6-Dinitrotoluene
Concen: 8.558 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Tgt Ion:165 Resp: 37087
Ion Ratio Lower Upper
165 100
63 2.2 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

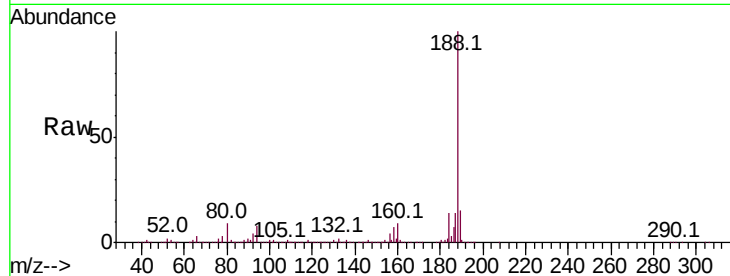




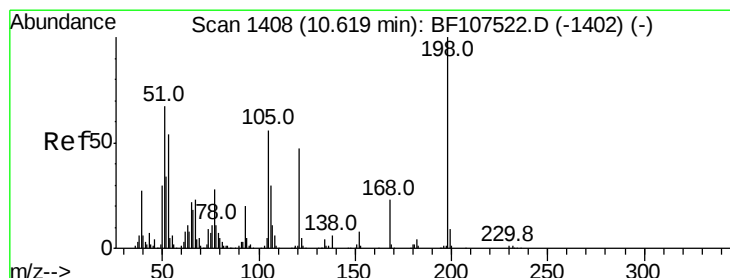
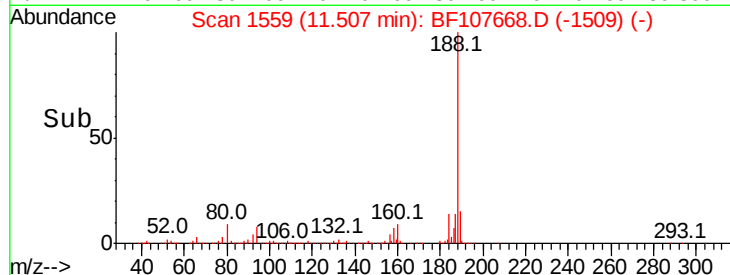
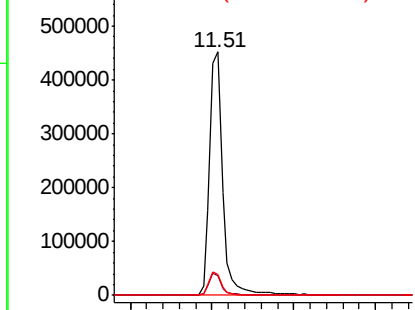
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 506803
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.6 9.2 13.8#

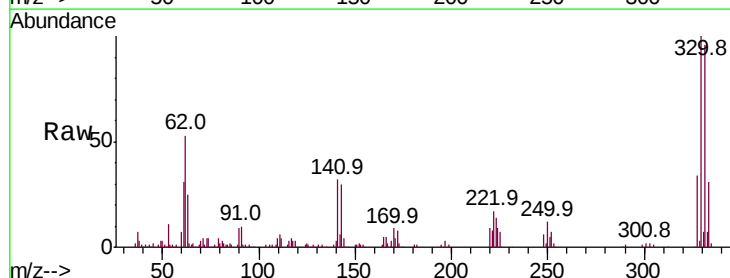


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

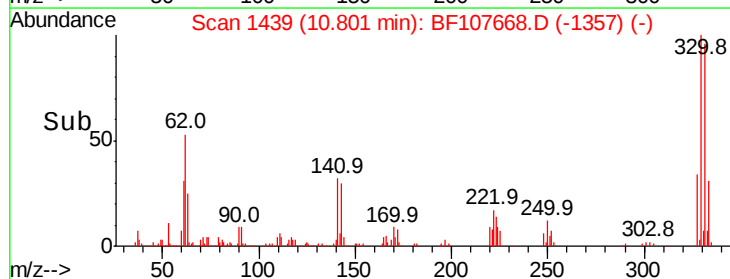
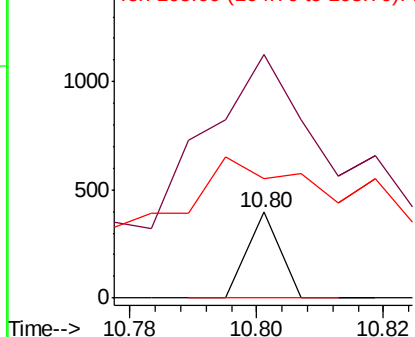


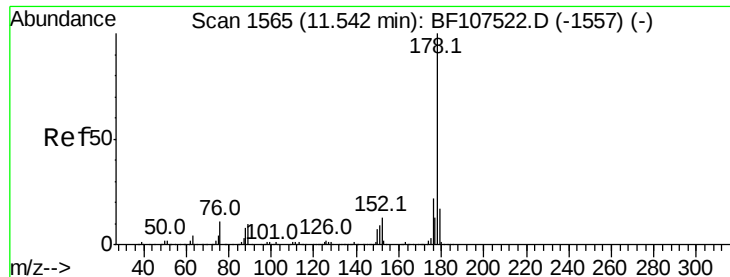
#64
4,6-Dinitro-2-methylphenol
Concen: 8.728 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.18 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Tgt Ion:198 Resp: 140
Ion Ratio Lower Upper
198 100
51 284.1 37.7 77.7#
105 138.9 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

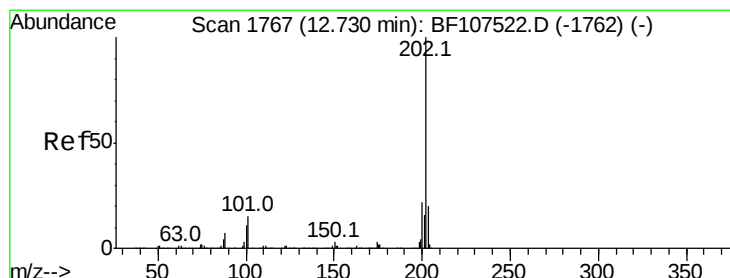
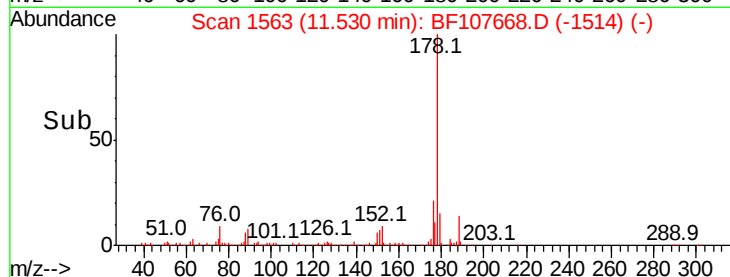
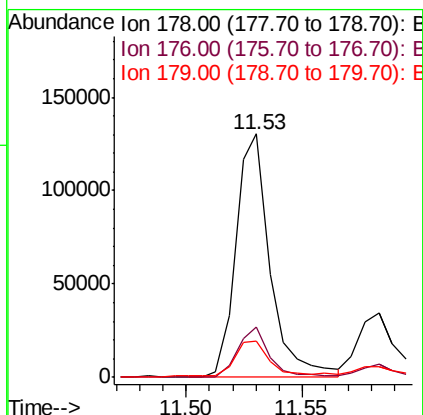
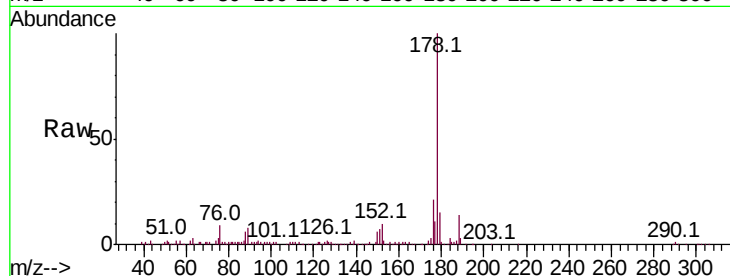




#70
Phenanthrene
Concen: 5.419 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

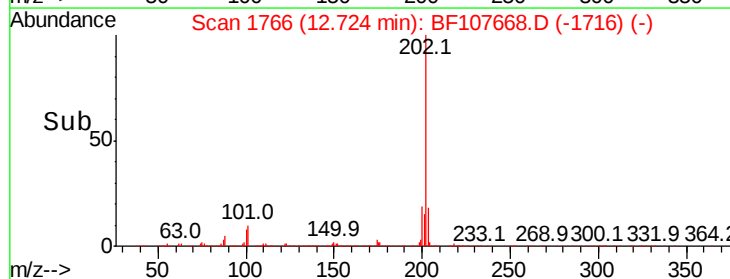
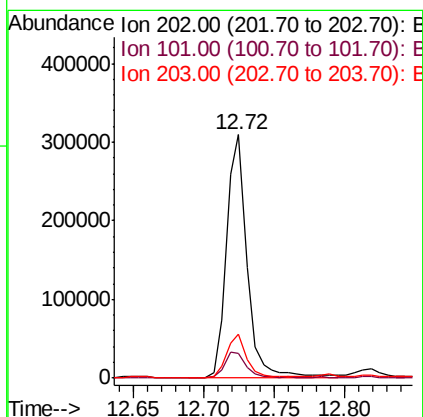
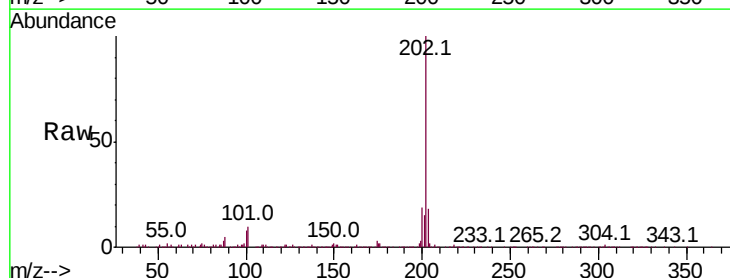
Instrument :
BNA_F
ClientSampleId :

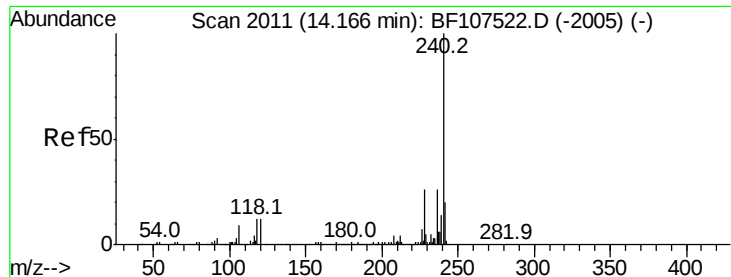
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	15.1	13.0	19.6



#74
Fluoranthene
Concen: 11.800 ng
RT: 12.72 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.1
203	18.0	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: BF107668.D

Acq: 25 Jul 2018 20:17

Instrument :

BNA_F

ClientSampleId :

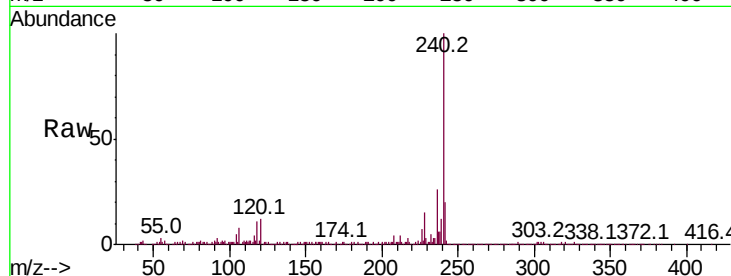
Tot Ion:240 Resp: 429741

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

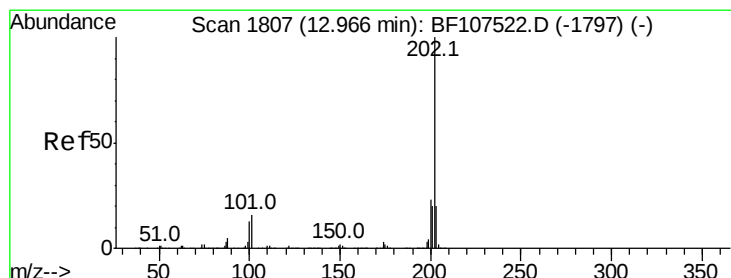
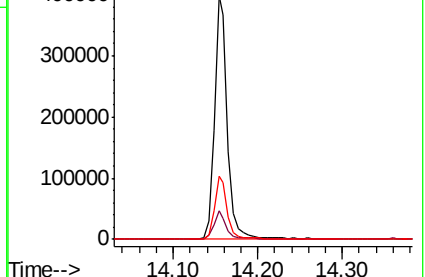
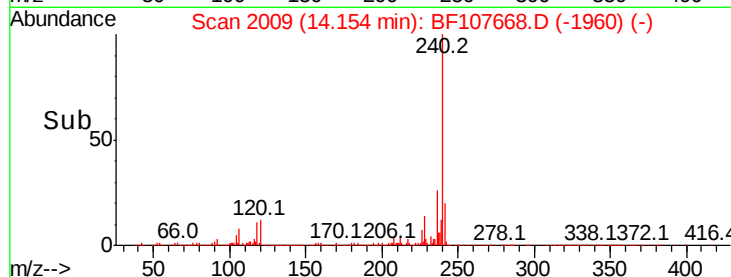
236 26.0 20.7 31.1



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: 9.508 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

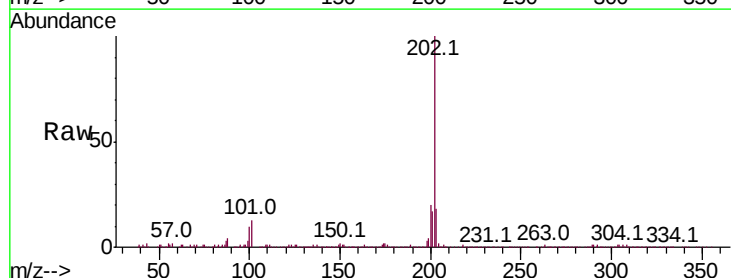
Tgt Ion:202 Resp: 279483

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

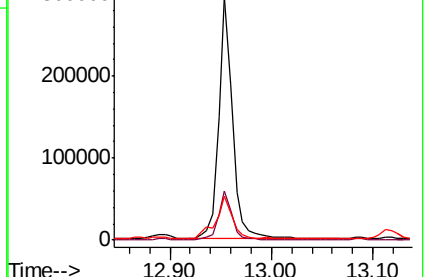
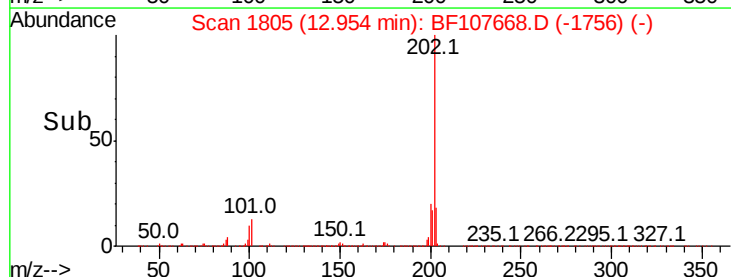
203 17.9 14.3 21.5

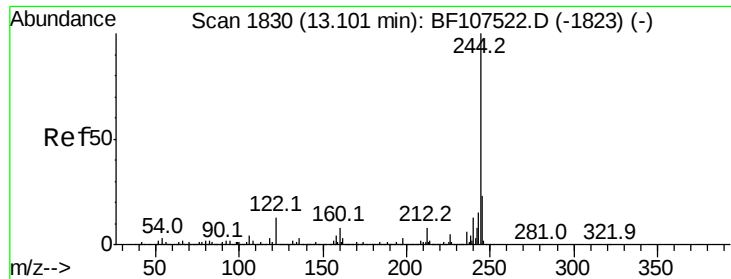


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.904 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

Instrument :

BNA_F

ClientSampleId :

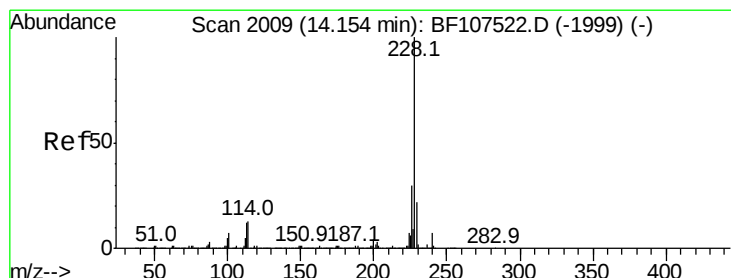
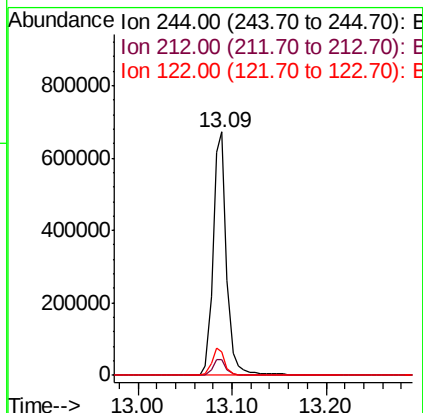
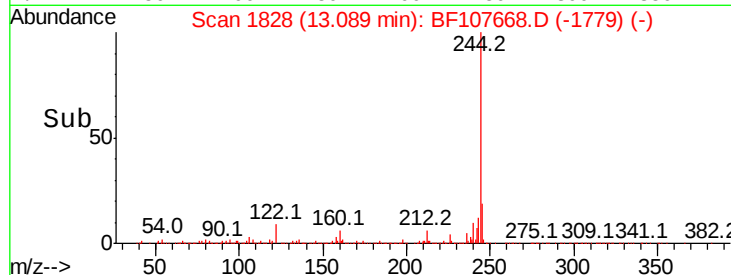
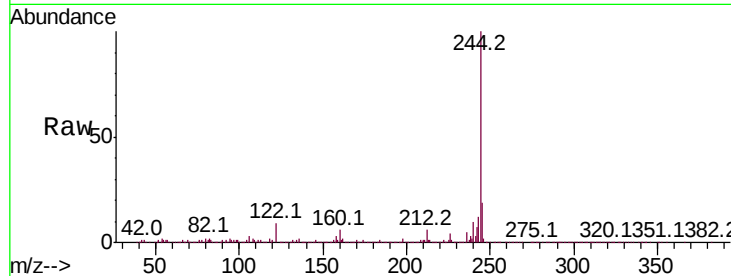
Tot Ion:244 Resp: 686620

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 9.4 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 5.836 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.03 min

Lab File: BF107668.D

Acq: 25 Jul 2018 20:17

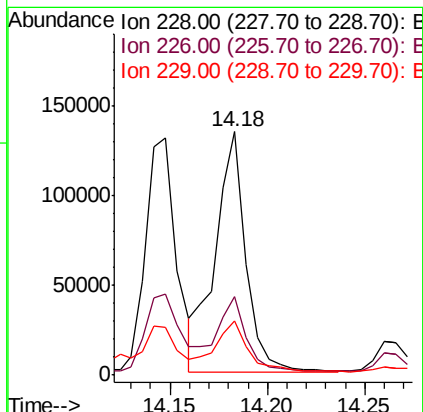
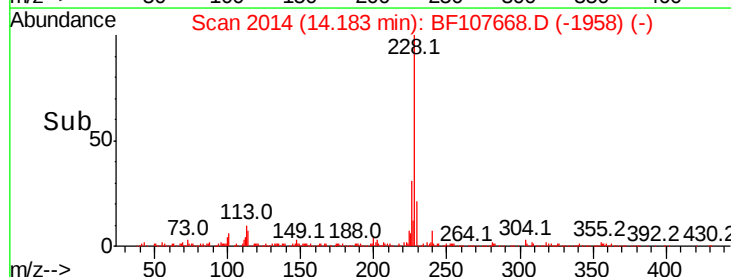
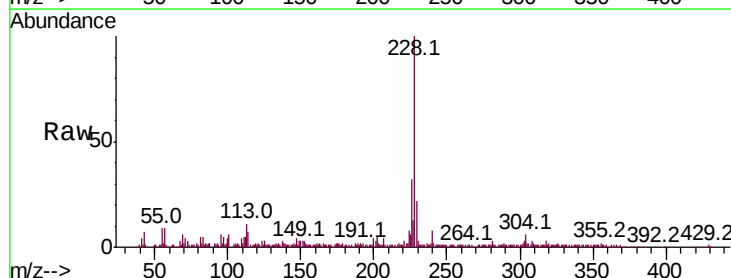
Tgt Ion:228 Resp: 146968

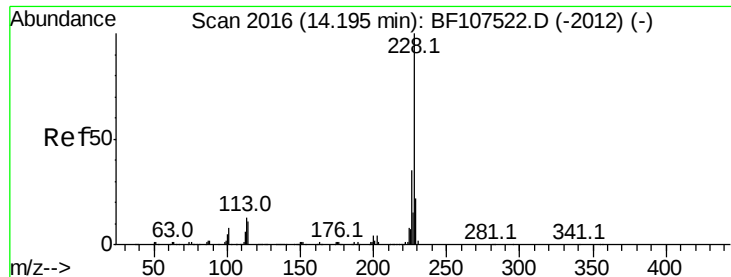
Ion Ratio Lower Upper

228 100

226 32.1 22.6 33.8

229 22.3 15.8 23.6

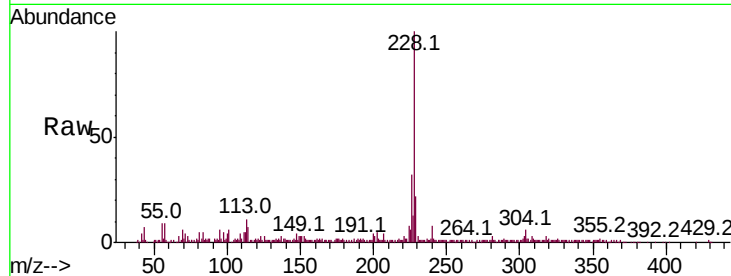




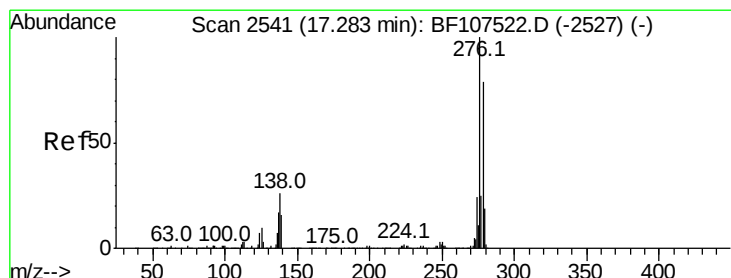
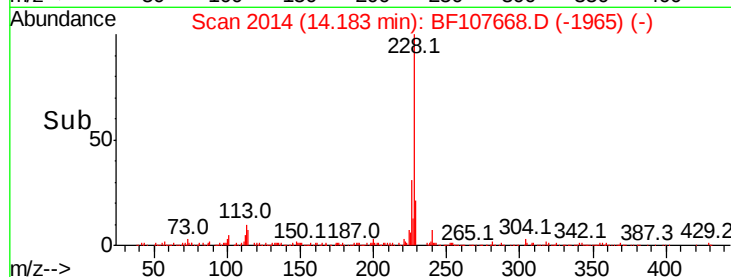
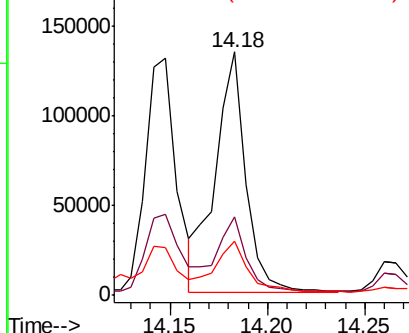
#82
Chrysene
Concen: 6.075 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	22.3	16.2	24.4

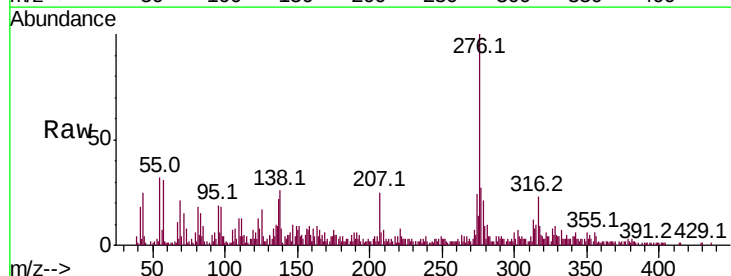


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

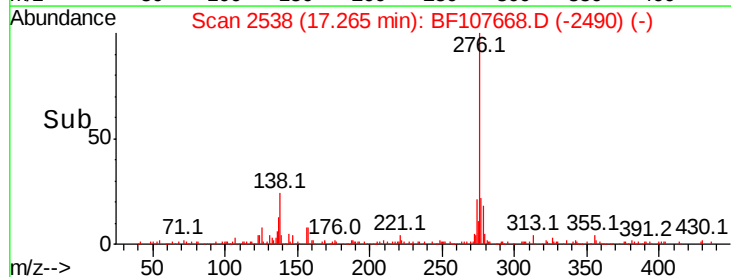
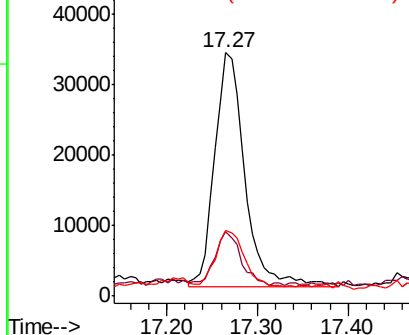


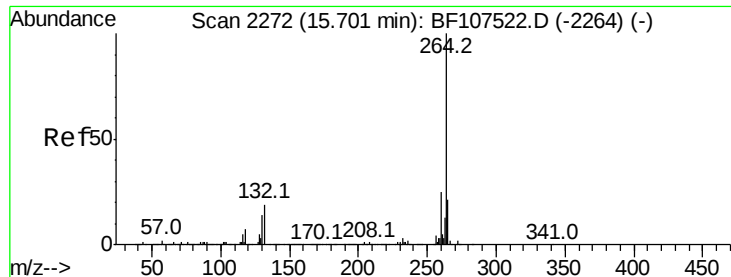
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.790 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	23.1	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

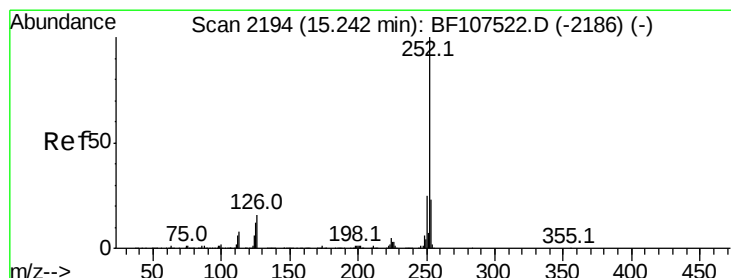
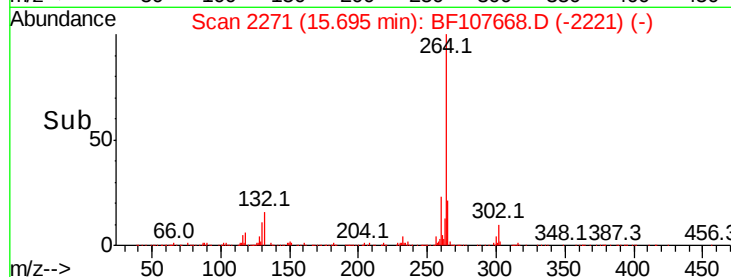
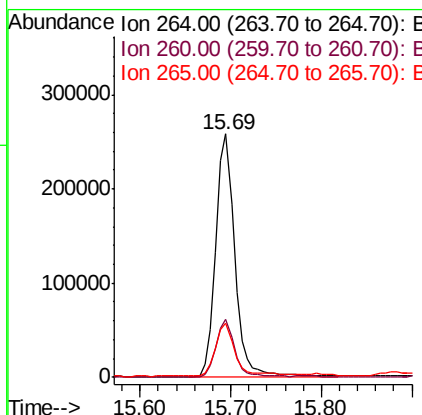
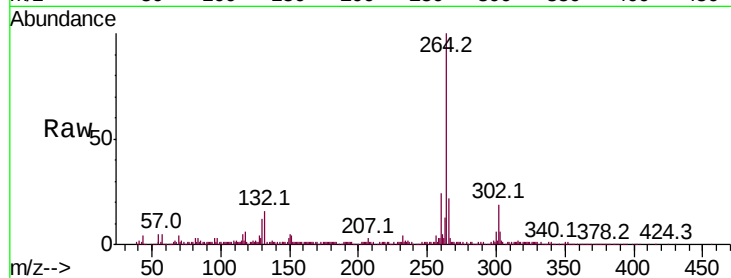




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

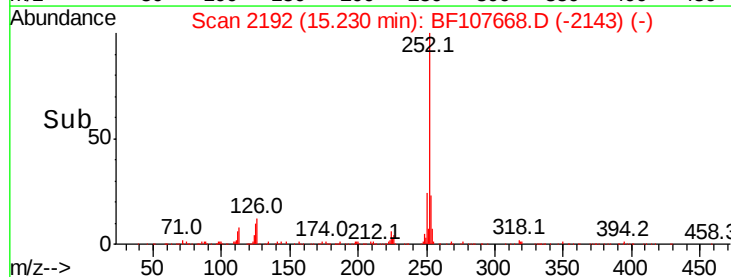
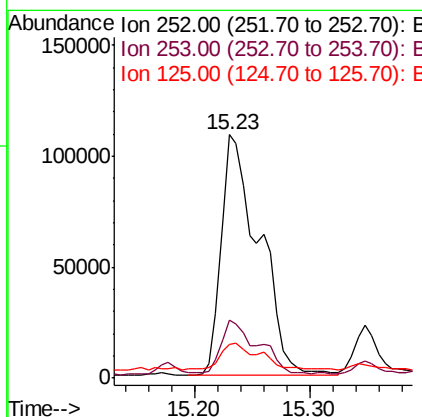
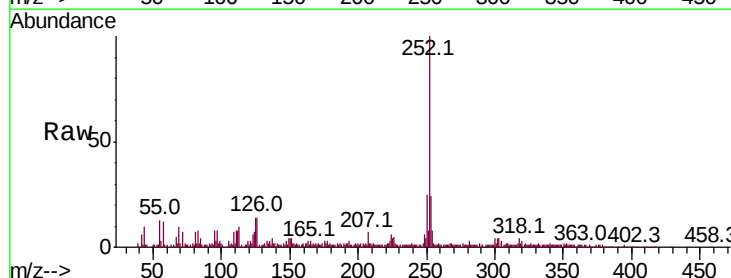
Instrument :
BNA_F
ClientSampleId :

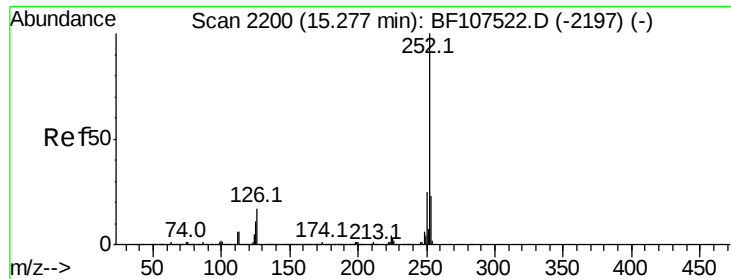
Tot Ion:264 Resp: 372974
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 12.162 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Tgt Ion:252 Resp: 248257
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 14.0 9.0 13.6#

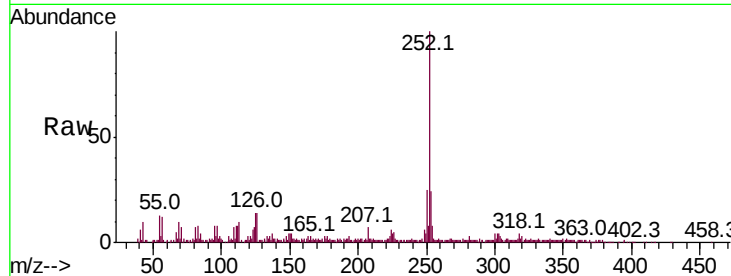




#88
Benzo(k)fluoranthene
Concen: 12.414 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.05 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	14.0	10.2	15.2

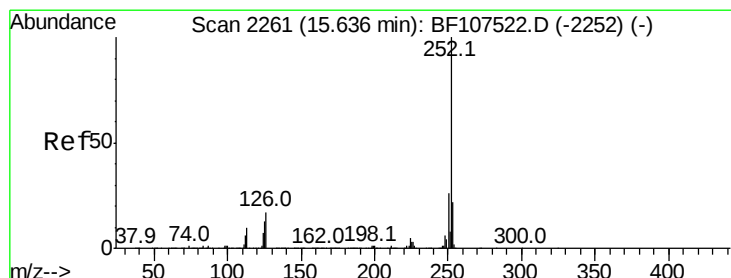
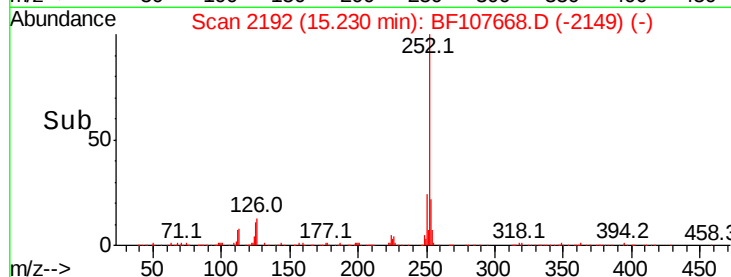
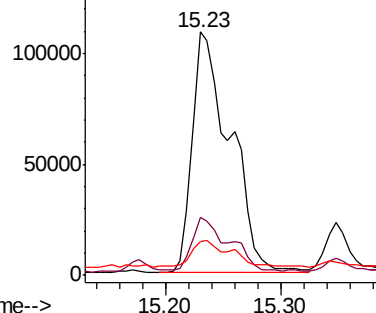


Abundance

Ion 252.00 (251.70 to 252.70): E

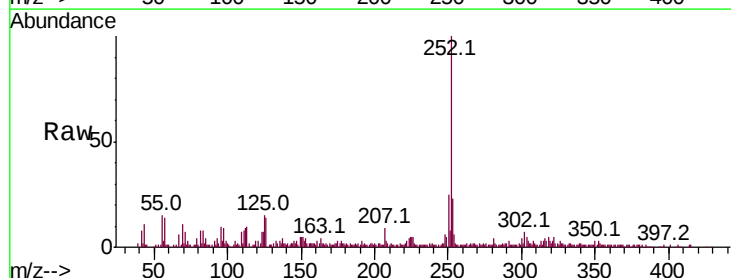
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 6.500 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107668.D
Acq: 25 Jul 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	15.0	9.8	14.6

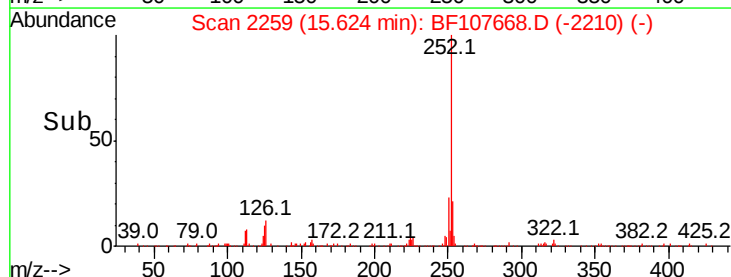
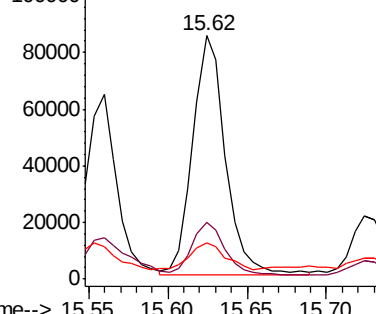


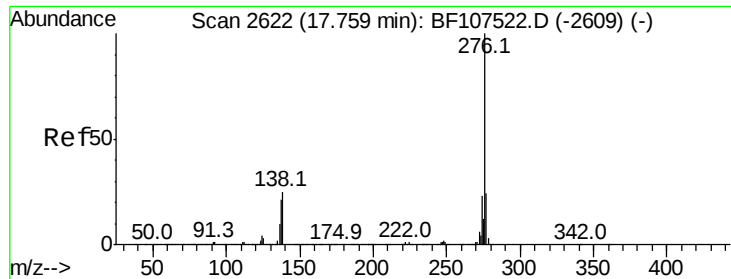
Abundance

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

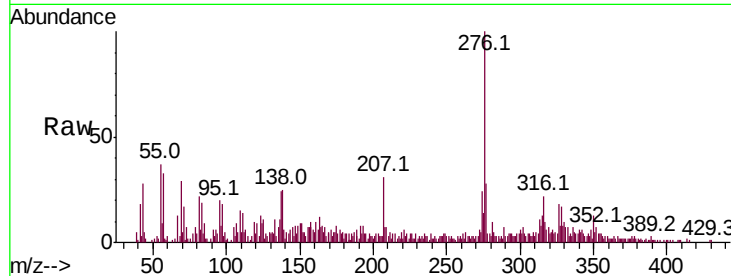




#91
 Benzo(a,h,i)perylene
 Concen: 4.570 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107668.D
 Acq: 25 Jul 2018 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.9	26.9#
138	25.2	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

