

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107666.D
 Acq On : 25 Jul 2018 19:23
 Operator : JU/SJ
 Sample : J4031-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 02:05:26 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	202484	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	828077	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	334842	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	602230	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	404640	20.00	ng	-0.01
86) Perylene-d12	15.69	264	403351	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	230865	18.33	ng	-0.01
7) Phenol-d6	6.60	99	326984	21.62	ng	-0.02
23) Nitrobenzene-d5	7.53	82	198275	16.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	82026	21.54	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	411462	14.11	ng	-0.02
78) Terphenyl-d14	13.08	244	325981	20.62	ng	-0.02

Target Compounds

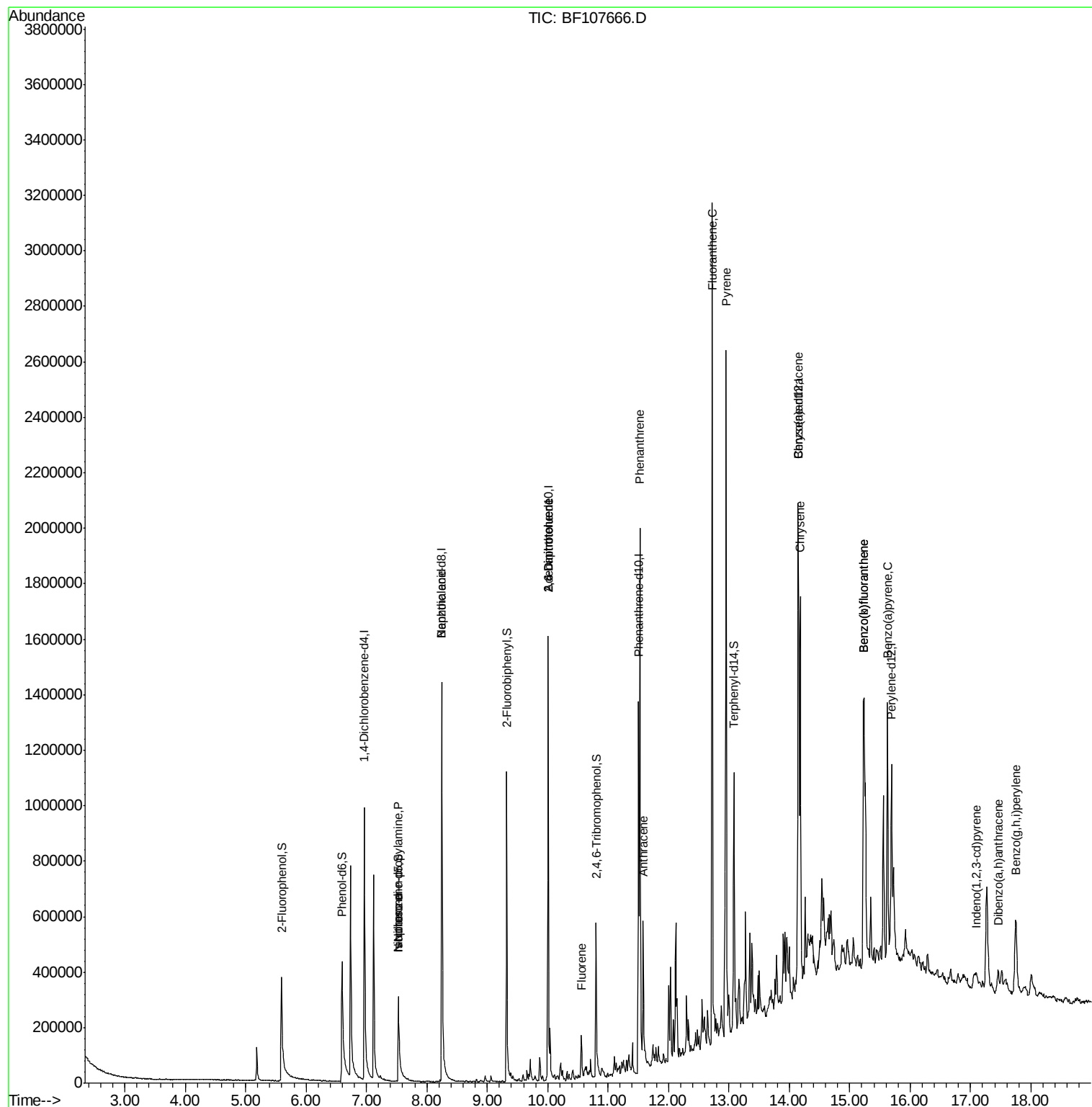
						Qvalue
9) Benzaldehyde	6.74	77	5809	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.53	70	23189	2.374 ng	#	79
25) Isophorone	7.53	82	198275	7.568 ng	#	64
32) Benzoic acid	8.25	122	136	7.914 ng	#	1
50) 2,6-Dinitrotoluene	10.01	165	44808	8.943 ng	#	25
56) 2,4-Dinitrotoluene	10.01	165	45264	7.484 ng	#	23
57) Fluorene	10.56	166	55606	2.523 ng		92
70) Phenanthrene	11.53	178	813684	27.726 ng		98
71) Anthracene	11.58	178	289316	9.791 ng		98
73) Di-n-butylphthalate	12.05	149	3610	Below Cal	#	66
74) Fluoranthene	12.72	202	1365229	43.352 ng		97
77) Pvrene	12.95	202	1223799	44.216 ng		98
80) Benzo(a)anthracene	14.15	228	622203	26.239 ng		97
81) 3,3'-Dichlorobenzidine	14.08	252	229	Below Cal	#	1
82) Chrysene	14.18	228	593832	26.070 ng		98
85) Indeno(1,2,3-cd)pyrene	17.09	276	55819	2.891 ng		97
87) Benzo(b)fluoranthene	15.24	252	946450	42.874 ng		97
88) Benzo(k)fluoranthene	15.24	252	946450	43.762 ng		98
89) Benzo(a)pvrene	15.62	252	517206	25.614 ng		96
90) Dibenzo(a,h)anthracene	17.46	278	59848	3.429 ng		94
91) Benzo(g,h,i)perylene	17.75	276	285753	16.597 ng	#	91

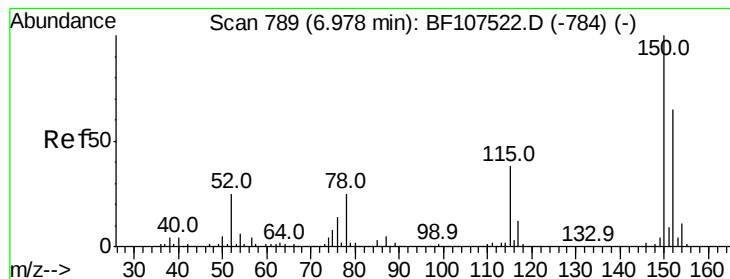
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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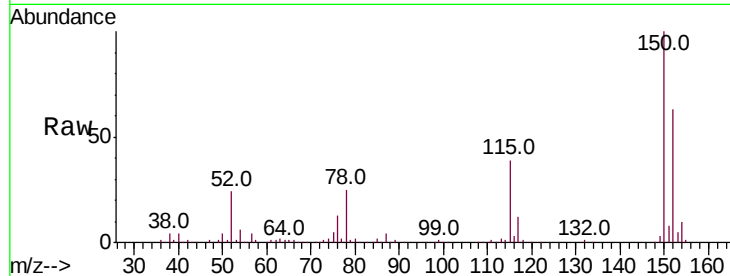


#1

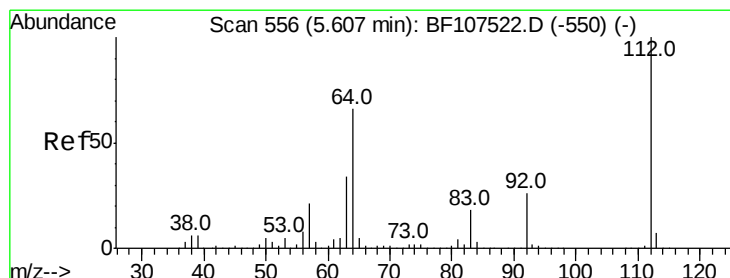
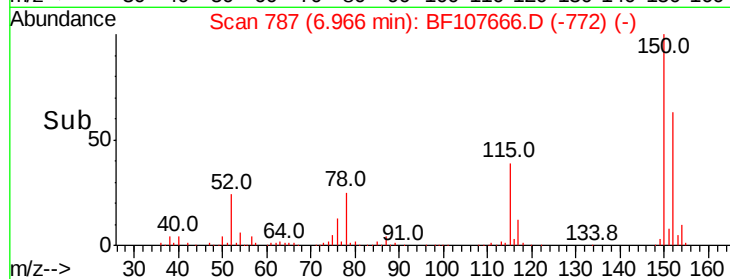
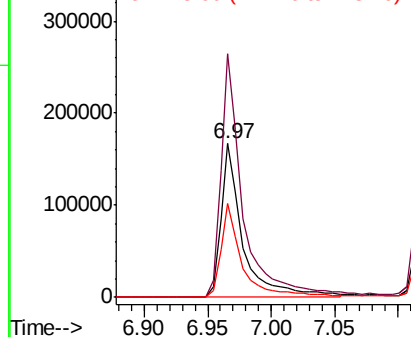
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 202484
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 61.1 50.1 75.1



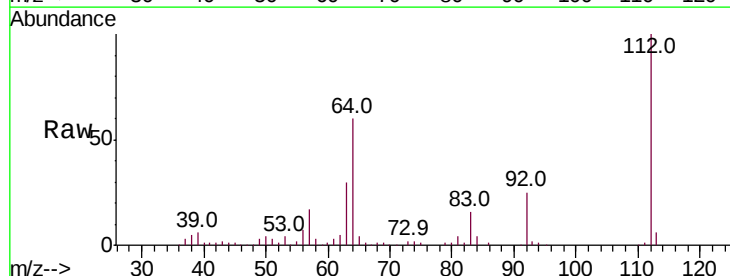
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



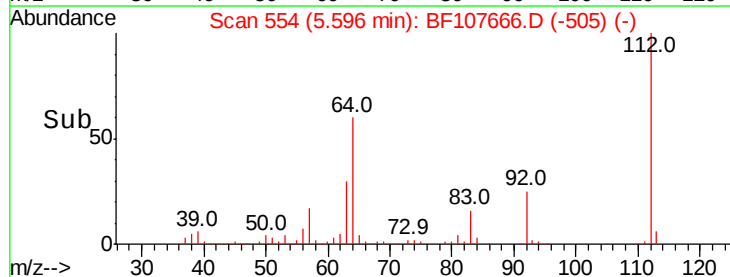
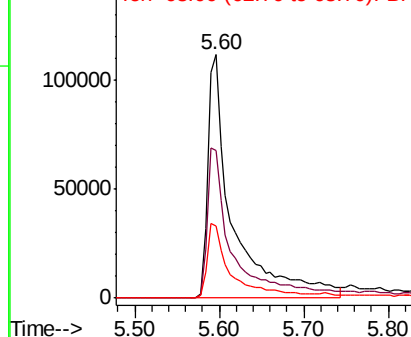
#5

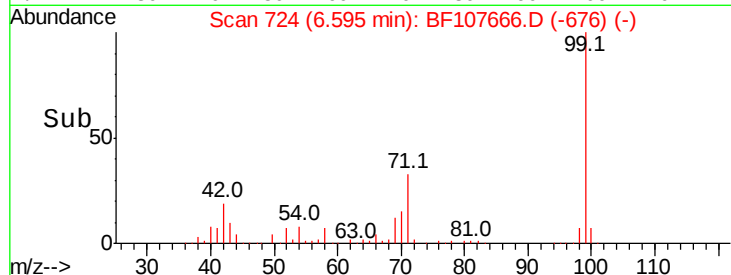
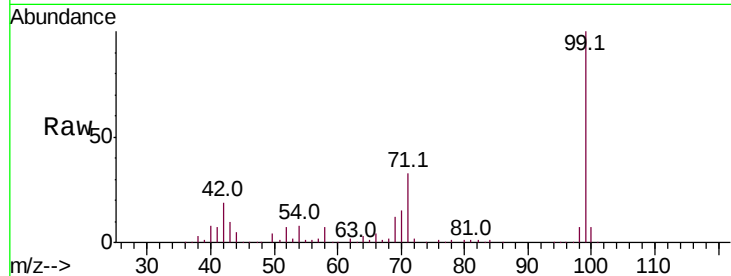
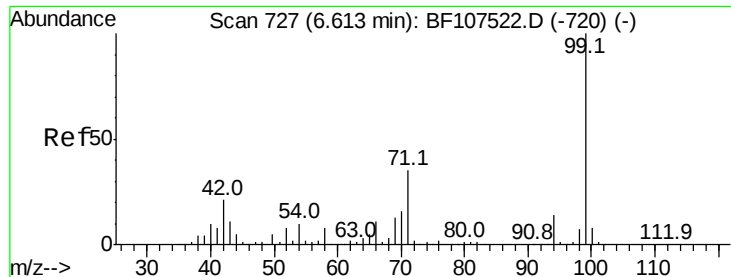
2-Fluorophenol
Concen: 18.332 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion:112 Resp: 230865
Ion Ratio Lower Upper
112 100
64 60.4 47.9 71.9
63 29.6 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: 21.623 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Instrument :

BNA_F

ClientSampleId :

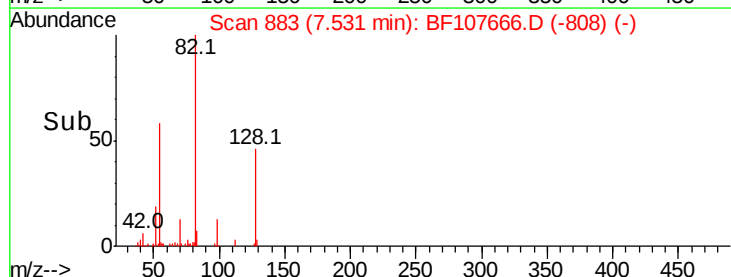
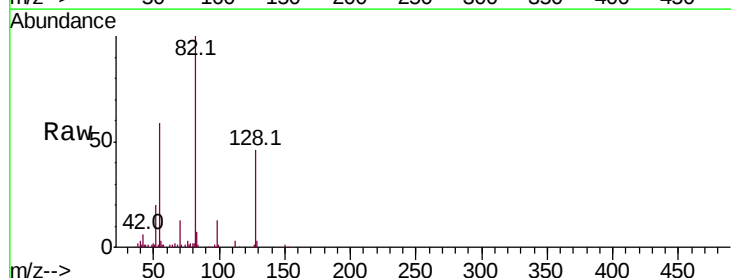
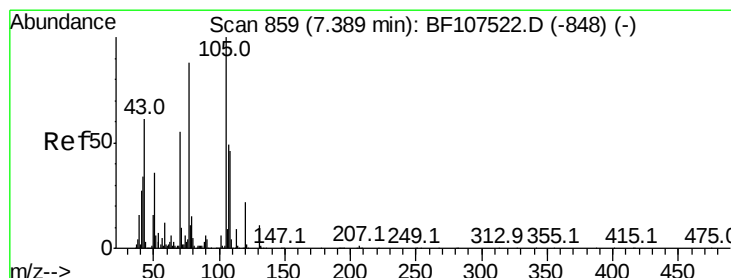
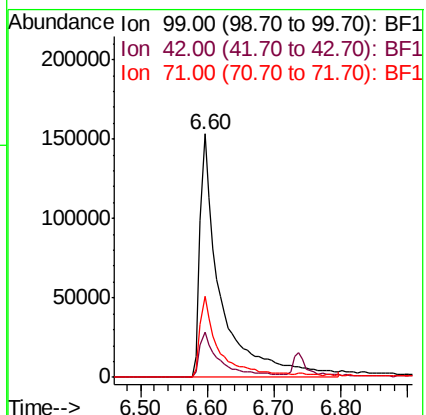
Tot Ion: 99 Resp: 326984

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.374 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Tgt Ion: 70 Resp: 23189

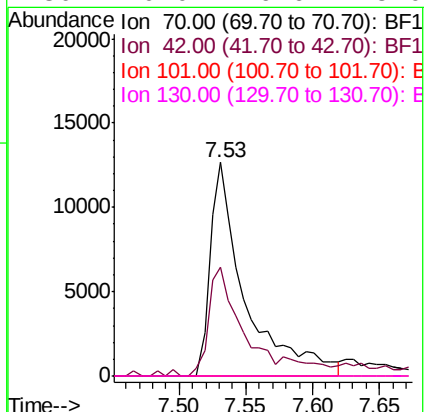
Ion Ratio Lower Upper

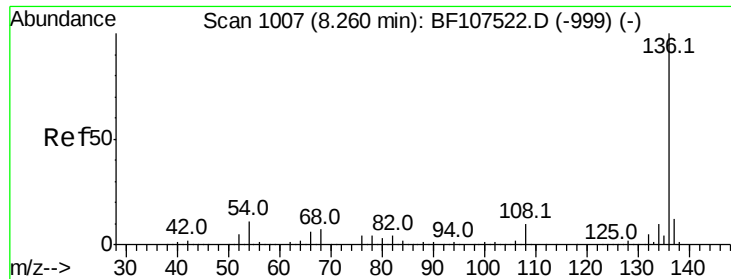
70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

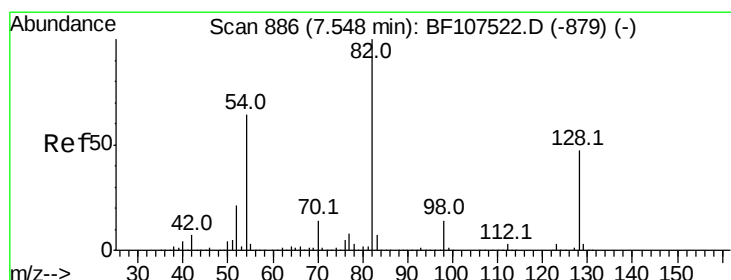
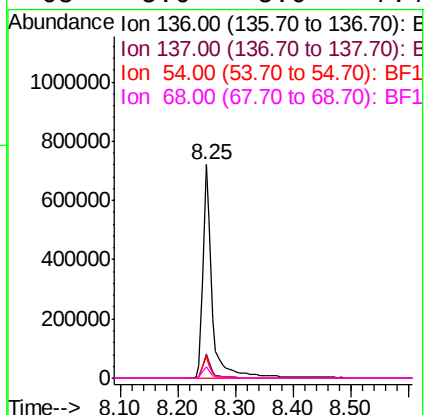
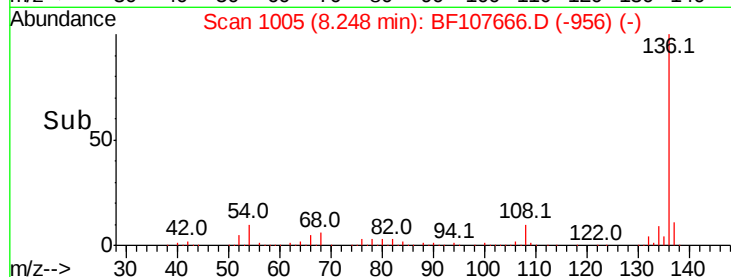
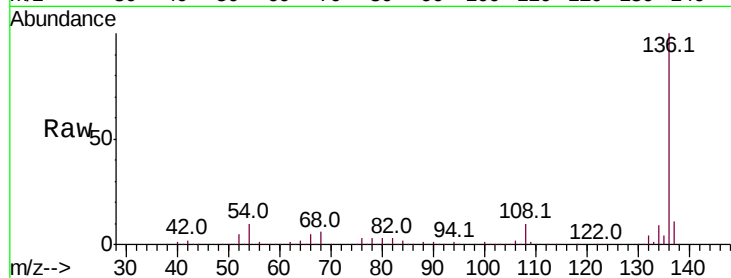




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

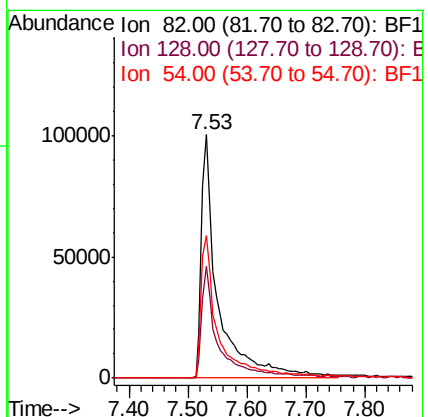
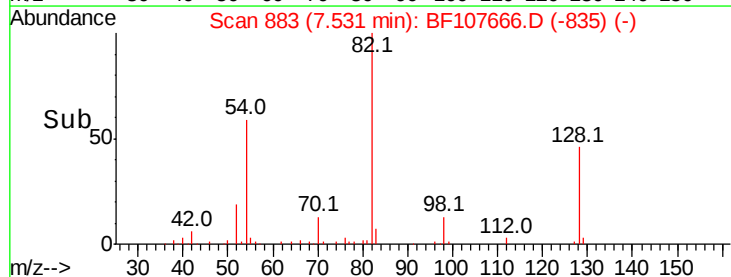
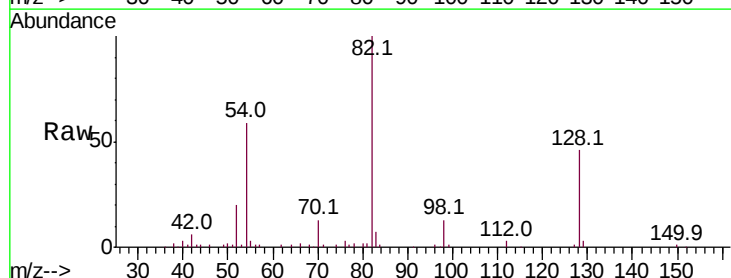
Instrument :
BNA_F
ClientSampled :

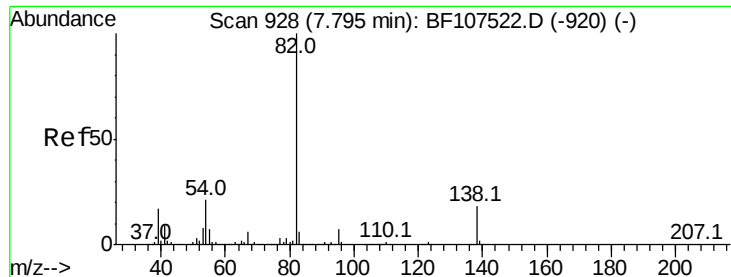
Tot Ion:136	Resp:	828077
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	10.2	6.6 9.8#
68	5.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 16.159 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion: 82	Resp:	198275
Ion Ratio	Lower	Upper
82	100	
128	45.7	36.1 54.1
54	58.5	41.4 62.2





#25

Isophorone

Concen: 7.568 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Instrument :

BNA_F

ClientSampleId :

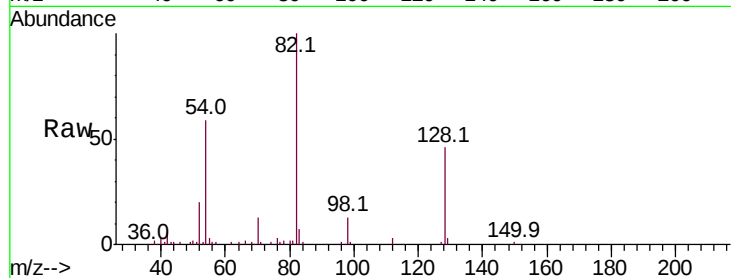
Tot Ion: 82 Resp: 198275

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

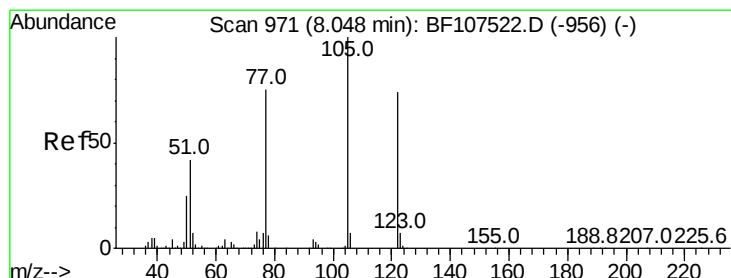
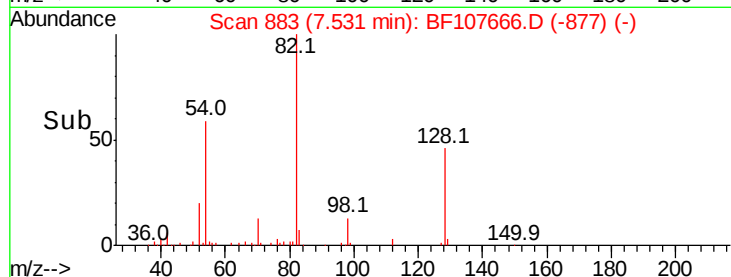
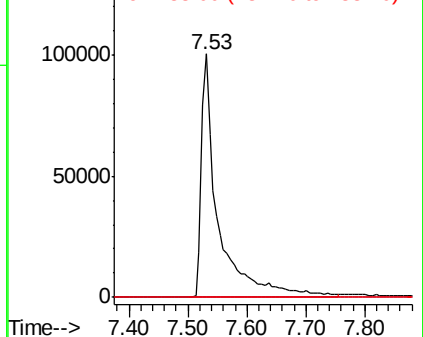
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.914 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.20 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

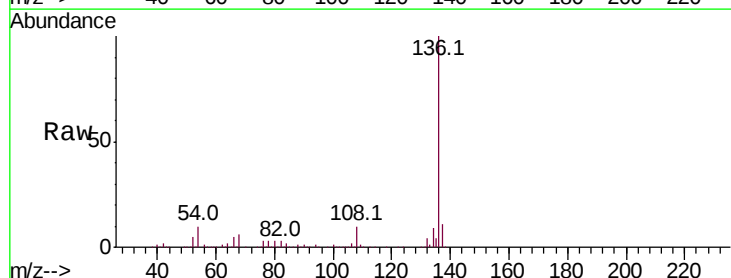
Tgt Ion: 122 Resp: 136

Ion Ratio Lower Upper

122 100

105 237.3 101.1 141.1#

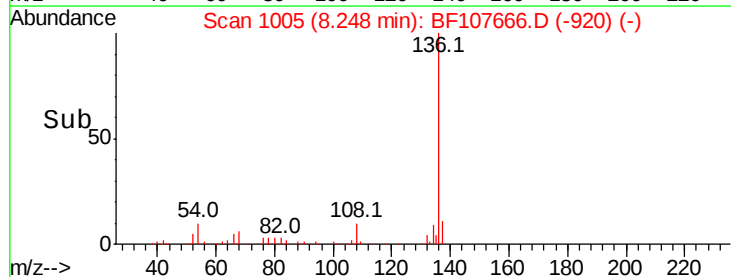
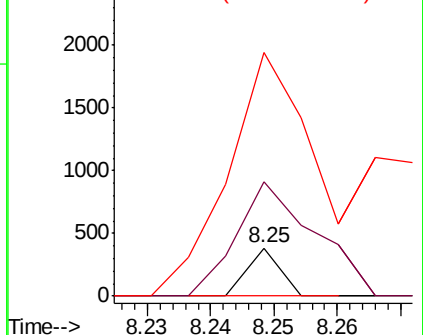
77 503.1 70.7 110.7#

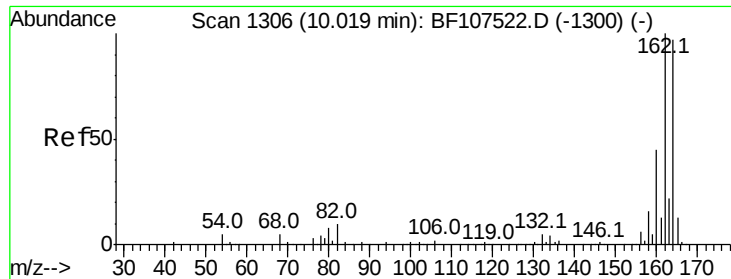


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

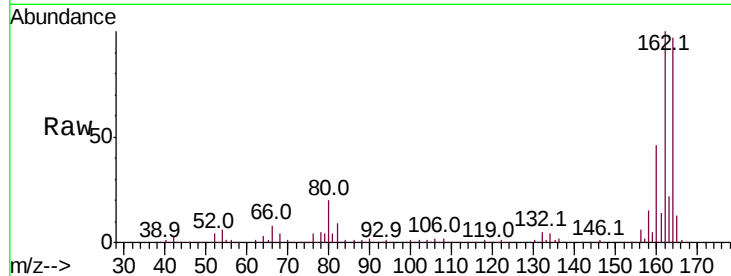




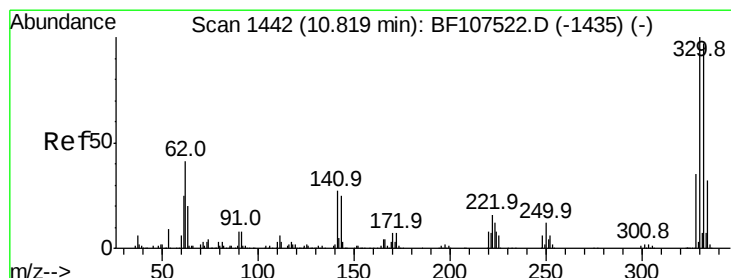
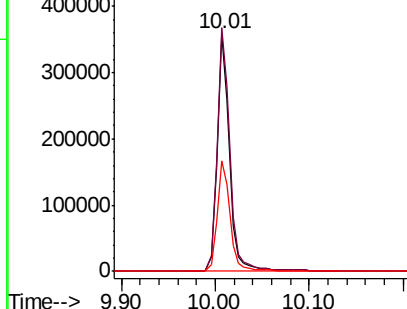
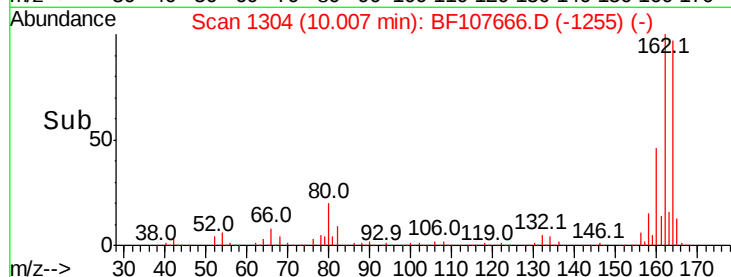
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 334842
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 46.7 38.3 57.5

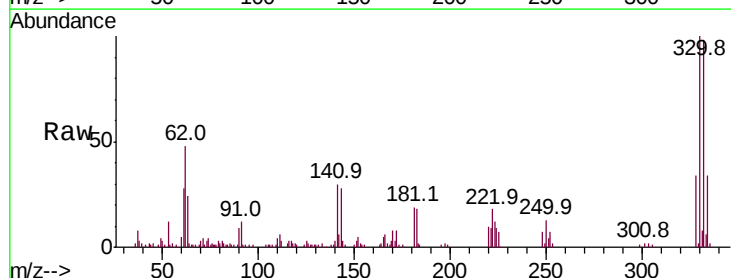


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

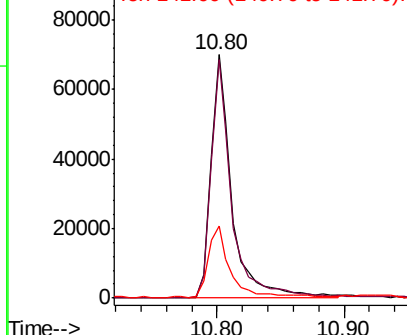
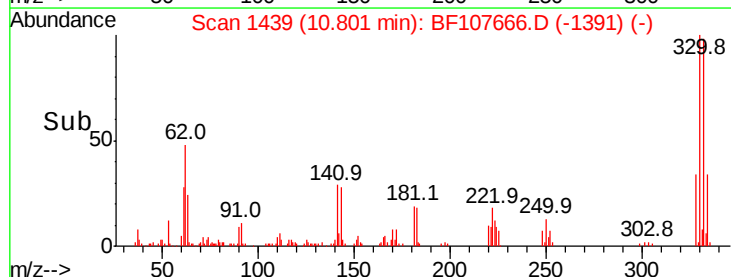


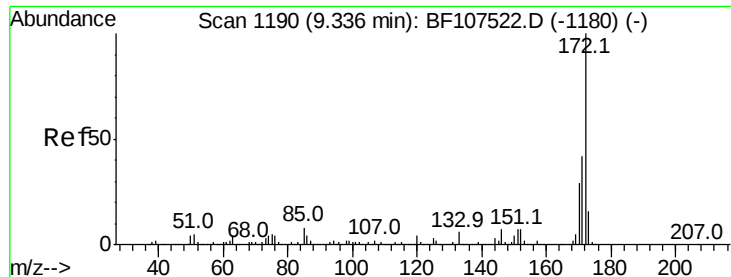
#41
 2,4,6-Tribromophenol
 Concen: 21.542 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Tgt Ion:330 Resp: 82026
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 32.7 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

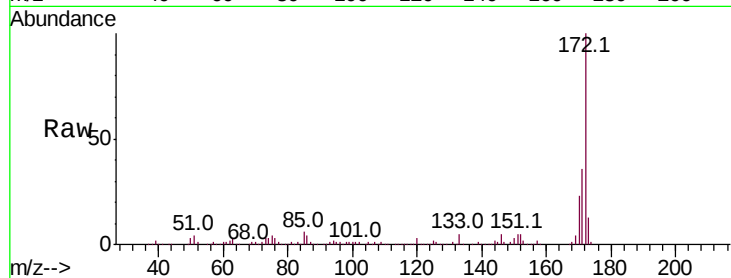




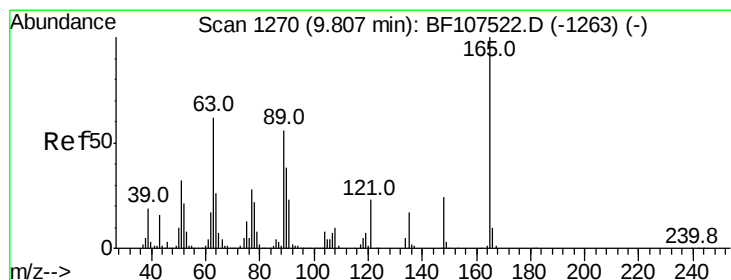
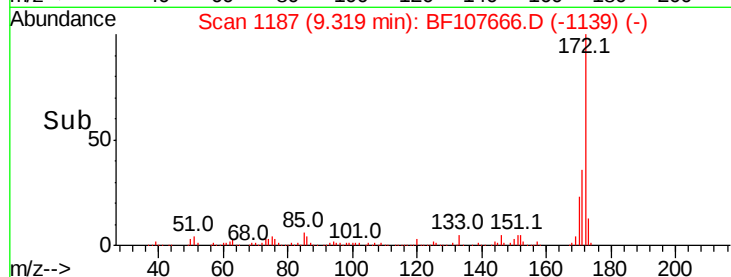
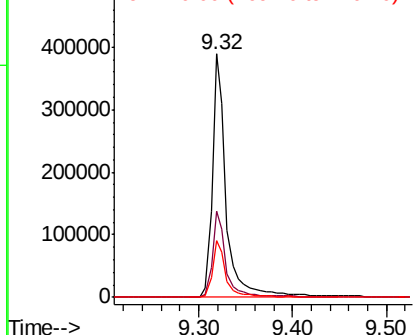
#44
 2-Fluorobiphenyl
 Concen: 14.113 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 411462
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.4 19.6 29.4

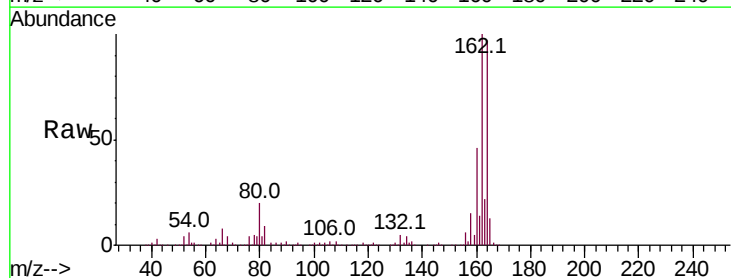


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

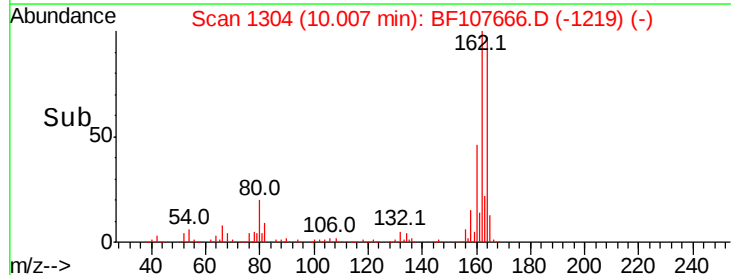
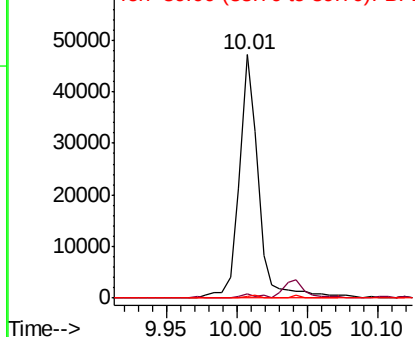


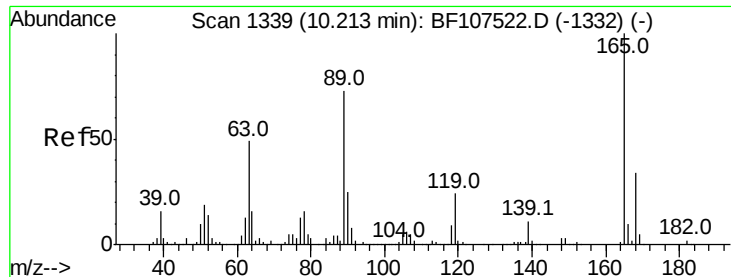
#50
 2,6-Dinitrotoluene
 Concen: 8.943 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Tgt Ion:165 Resp: 44808
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.7 67.1#
 89 1.0 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

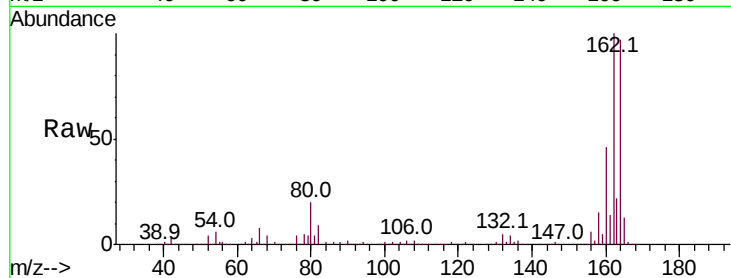




#56
2,4-Dinitrotoluene
Concen: 7.484 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

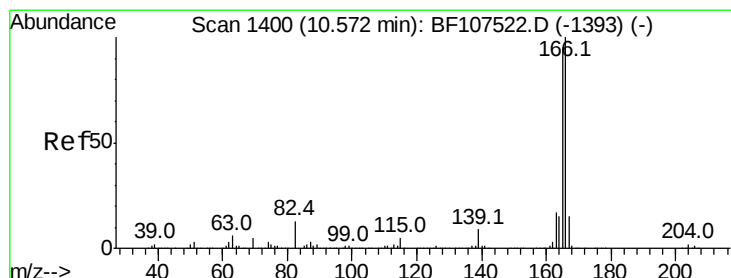
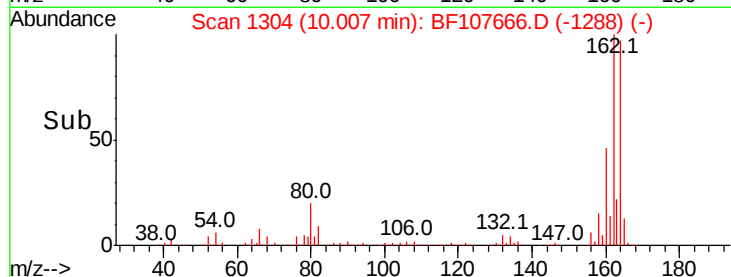
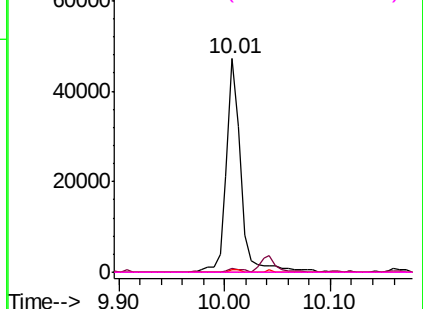


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

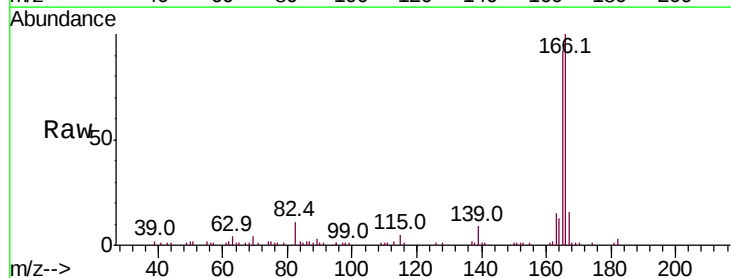
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 2.523 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

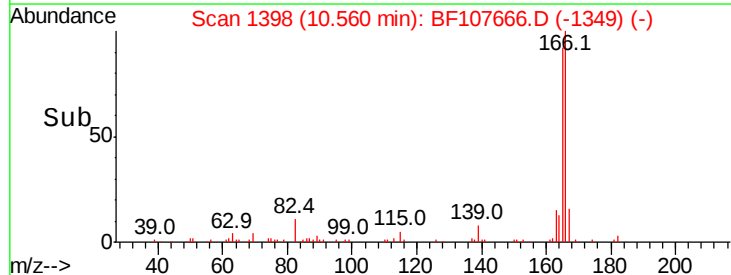
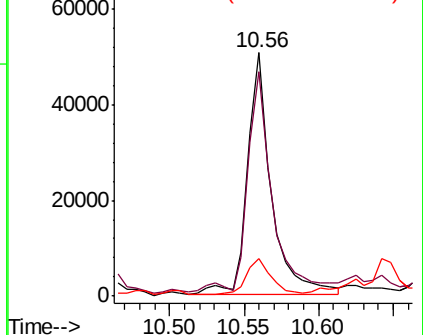
Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.9	79.8	119.8
167	15.7	10.6	16.0

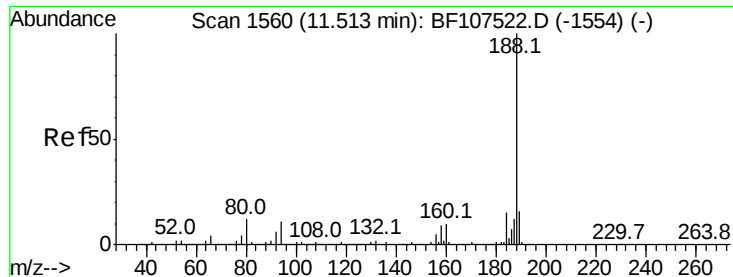


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

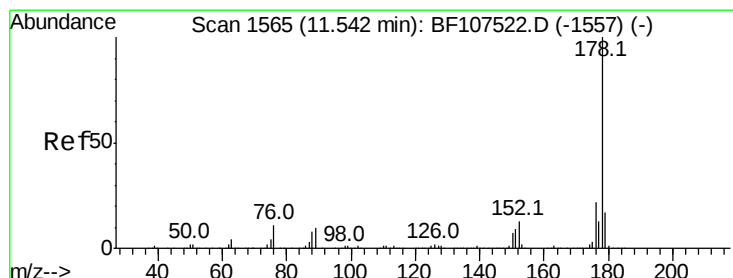
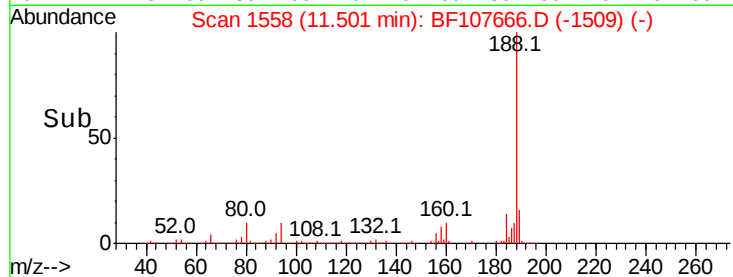
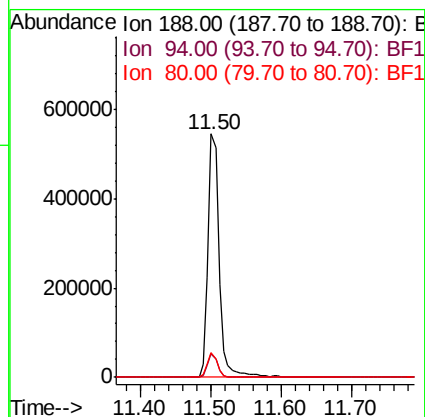
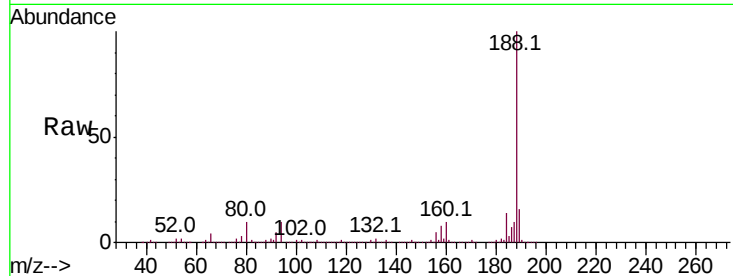




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

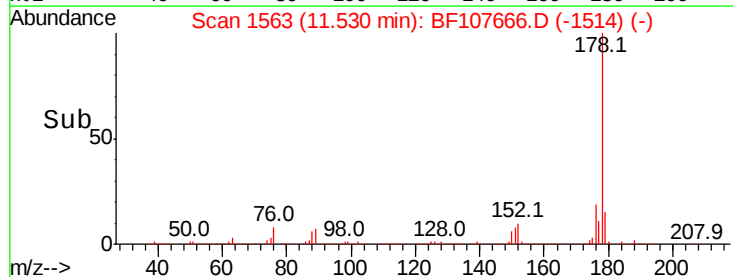
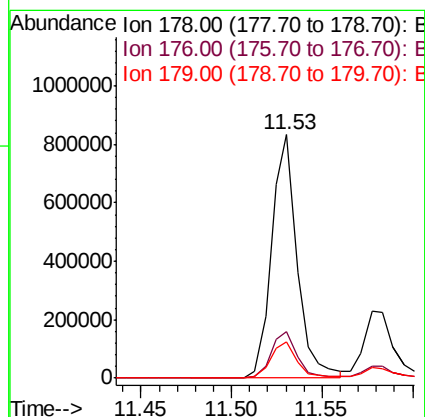
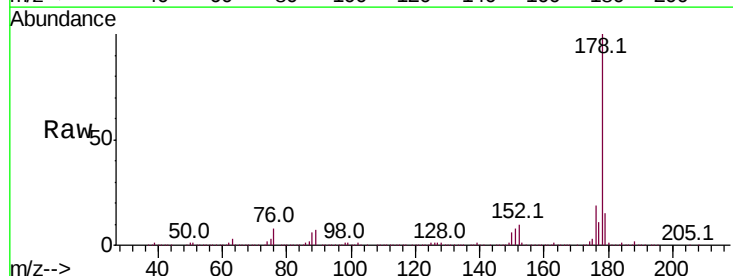
Instrument :
 BNA_F
 ClientSampleId :

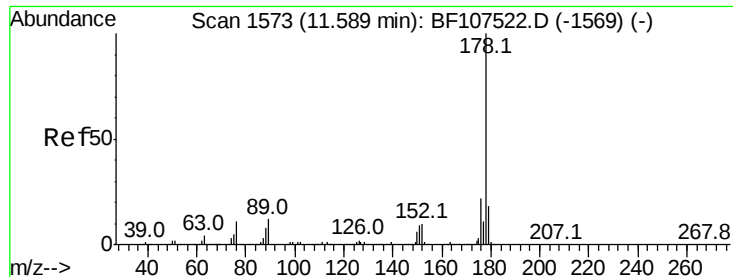
Tot Ion:188 Resp: 602230
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.4 9.2 13.8



#70
 Phenanthrene
 Concen: 27.726 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Tgt Ion:178 Resp: 813684
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.1 13.0 19.6

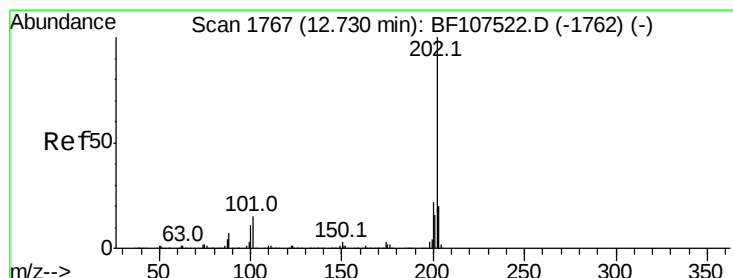
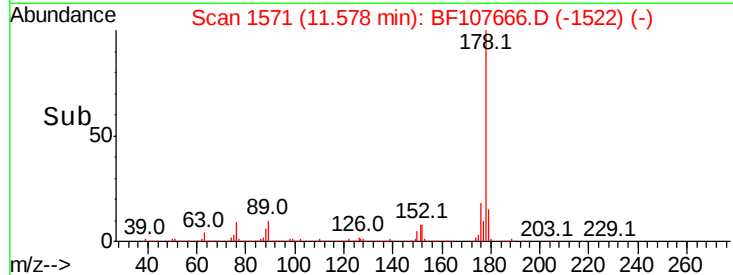
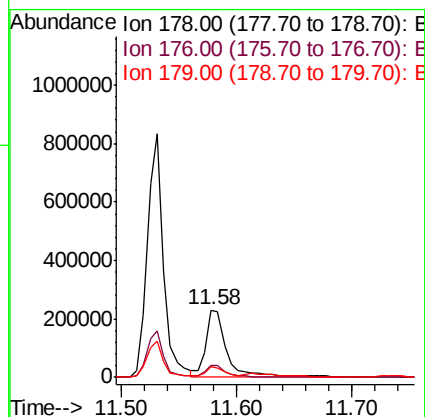
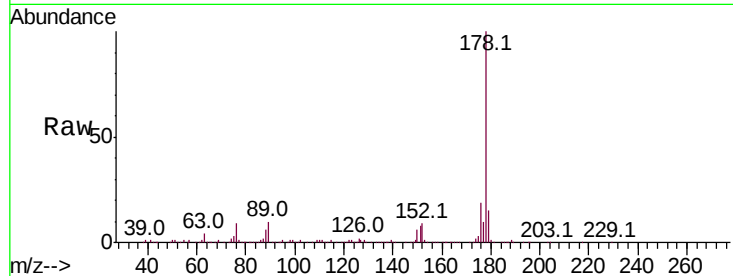




#71
 Anthracene
 Concen: 9.791 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

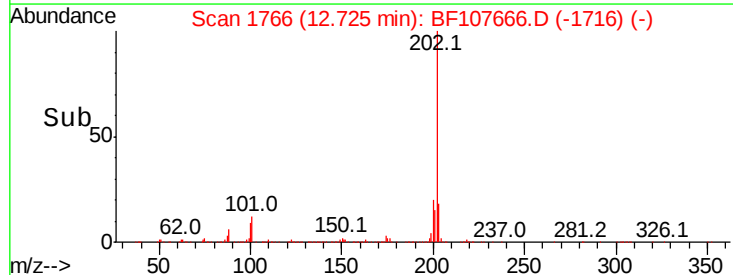
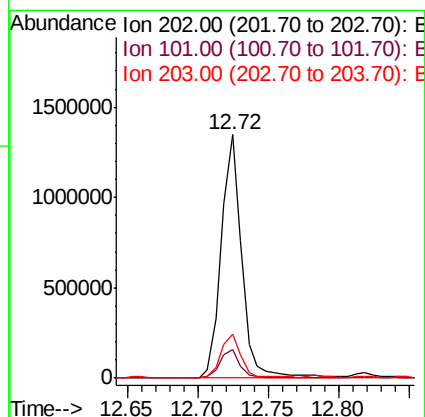
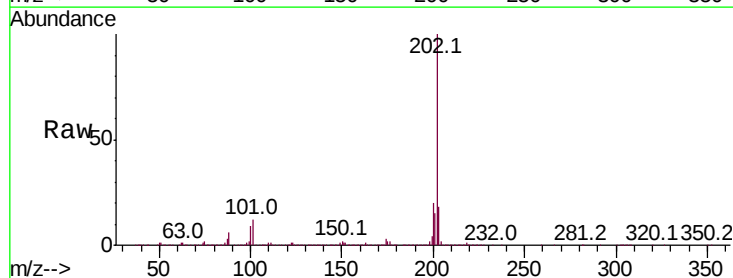
Instrument :
 BNA_F
 ClientSampleId :

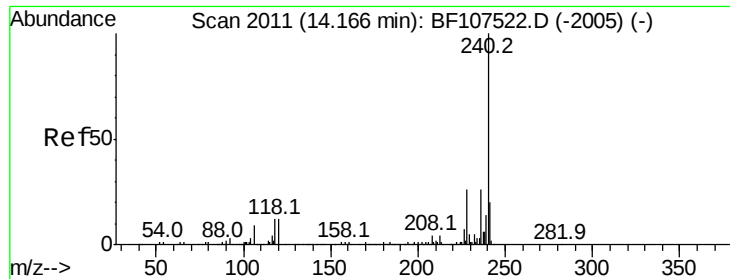
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.2	12.6	19.0



#74
 Fluoranthene
 Concen: 43.352 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BF107666.D
 Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	18.3	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: BF107666.D

Acq: 25 Jul 2018 19:23

Instrument :

BNA_F

ClientSampleId :

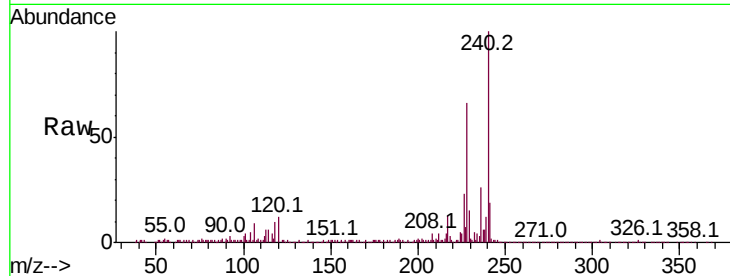
Tot Ion:240 Resp: 404640

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

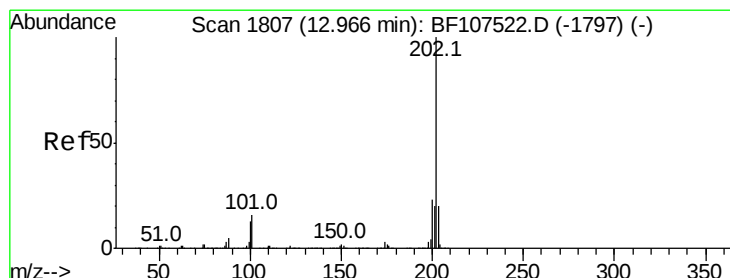
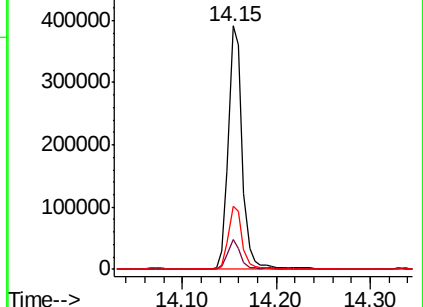
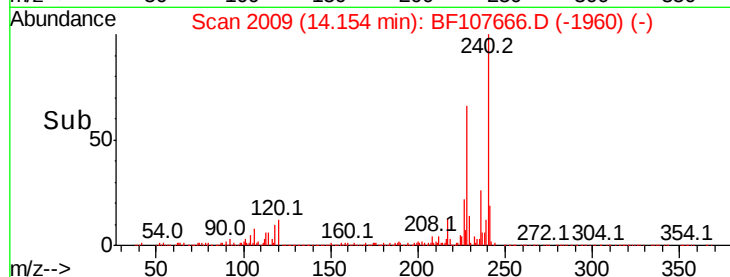
236 26.1 20.7 31.1



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: 44.216 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

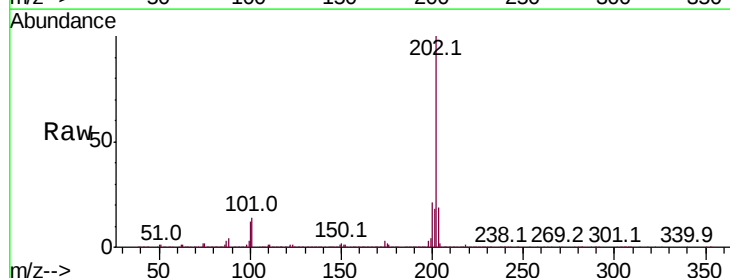
Tgt Ion:202 Resp: 1223799

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

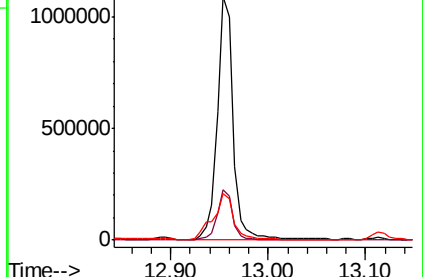
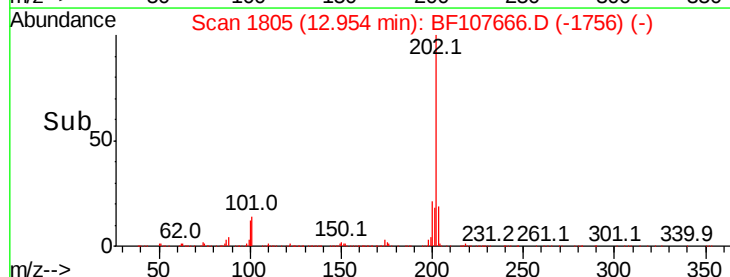
203 18.9 14.3 21.5

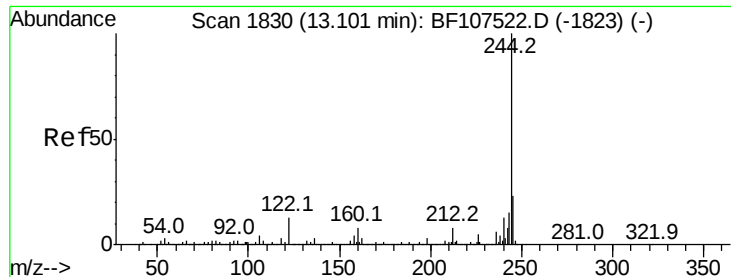


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.624 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

Instrument :

BNA_F

ClientSampleId :

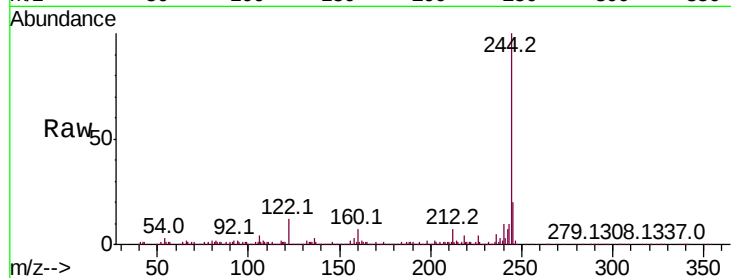
Tot Ion:244 Resp: 325981

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

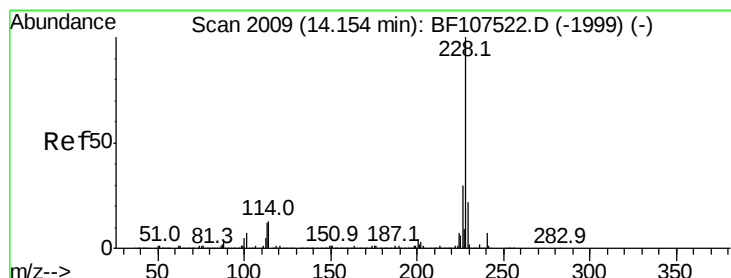
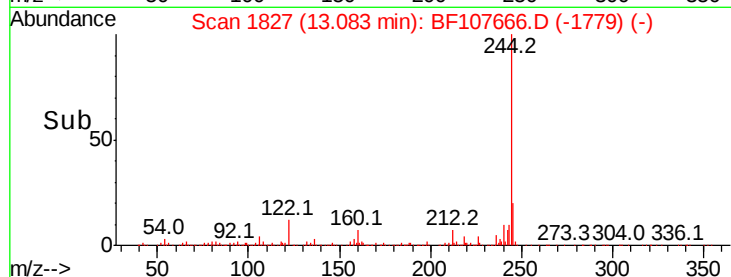
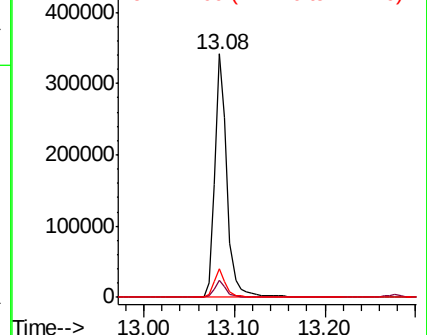
122 11.8 11.0 16.4



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: 26.239 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107666.D

Acq: 25 Jul 2018 19:23

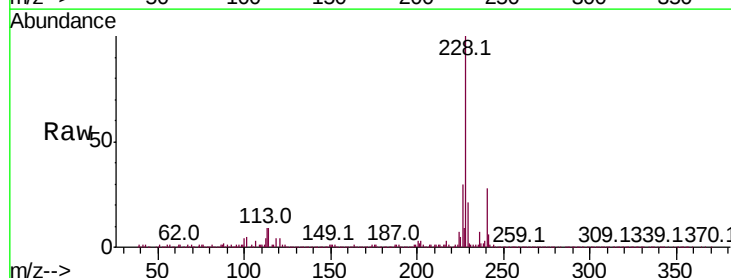
Tgt Ion:228 Resp: 622203

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

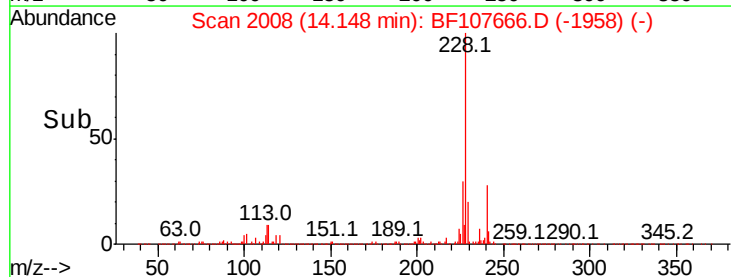
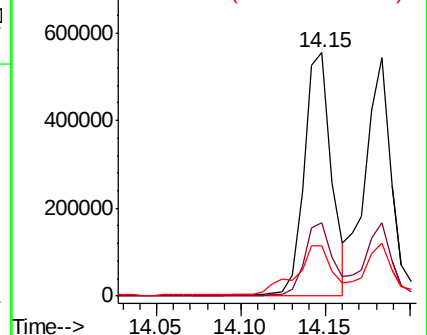
229 20.5 15.8 23.6

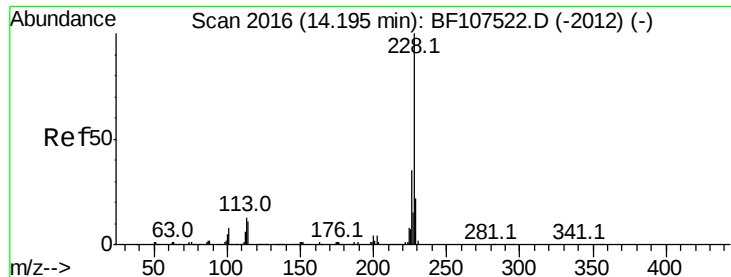


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

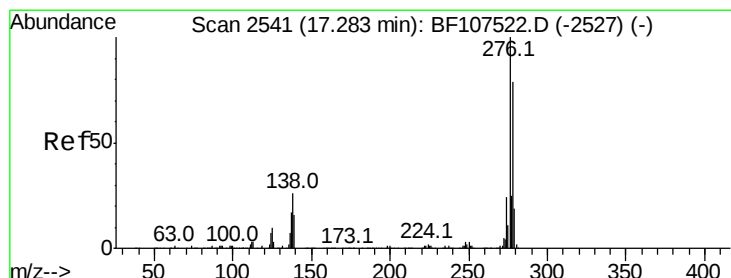
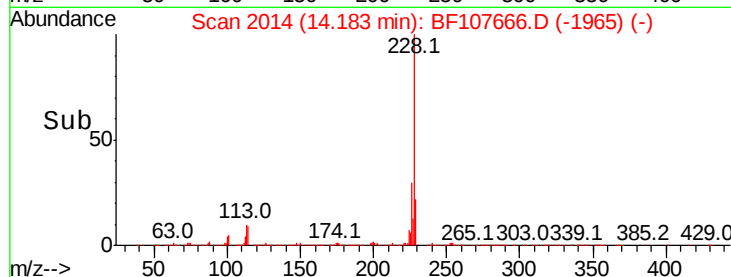
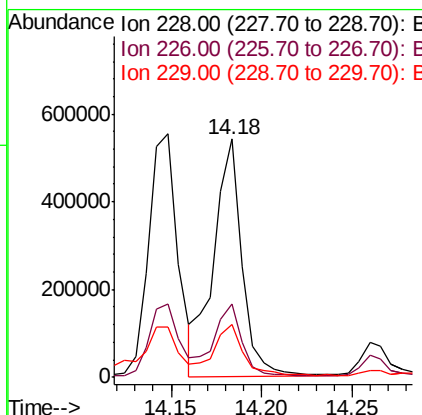
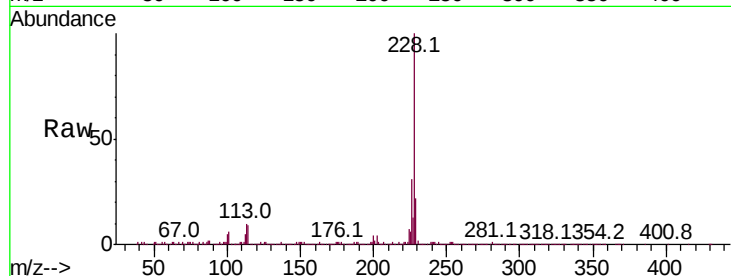




#82
Chrysene
Concen: 26.070 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

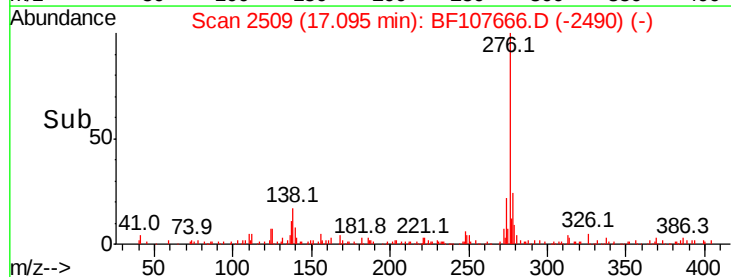
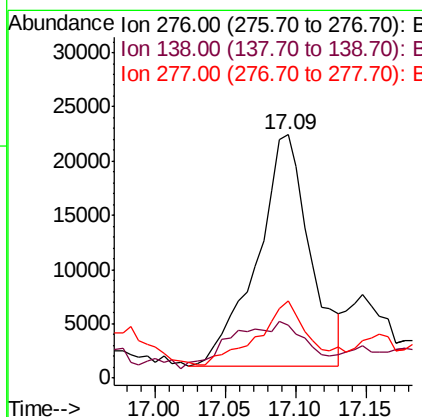
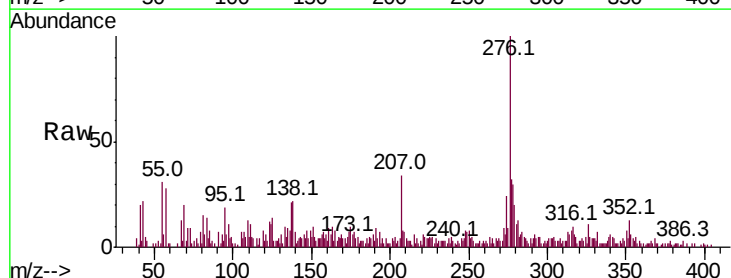
Instrument :
BNA_F
ClientSampleId :

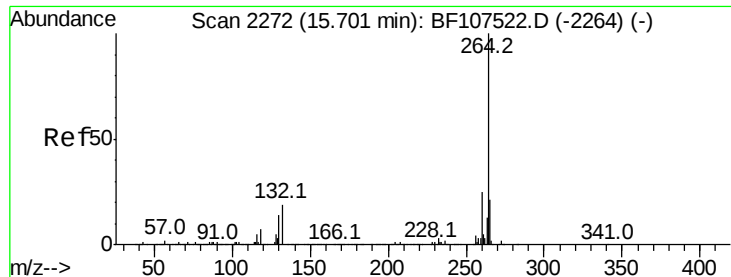
Tot Ion:228 Resp: 593832
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 22.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.891 ng
RT: 17.09 min Scan# 2509
Delta R.T. -0.19 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion:276 Resp: 55819
Ion Ratio Lower Upper
276 100
138 28.7 25.0 37.6
277 25.0 20.1 30.1

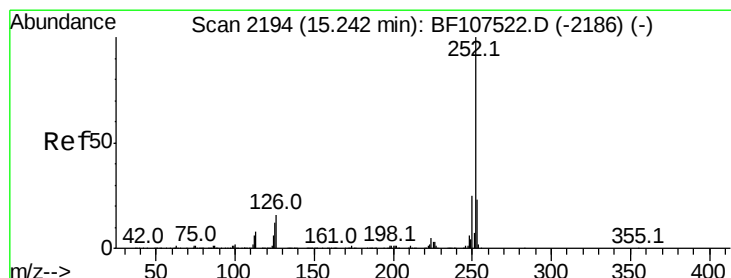
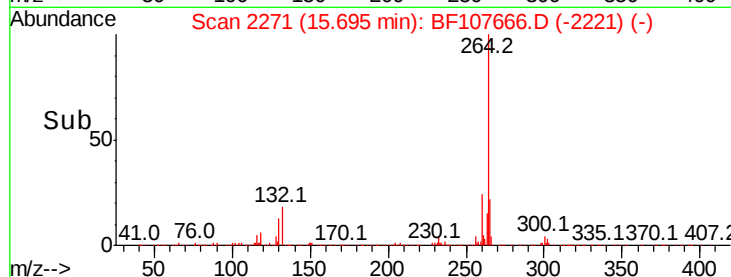
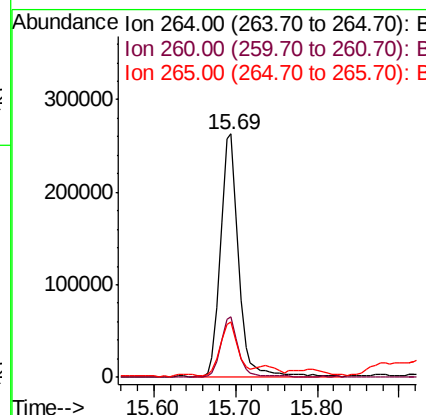
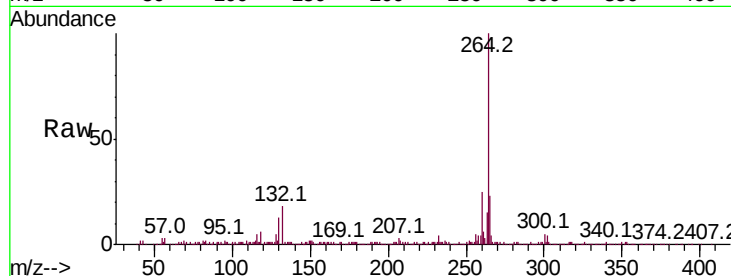




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

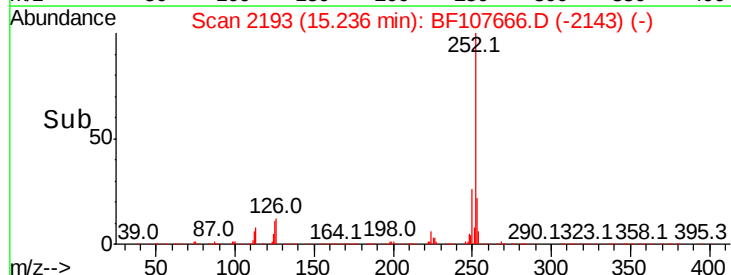
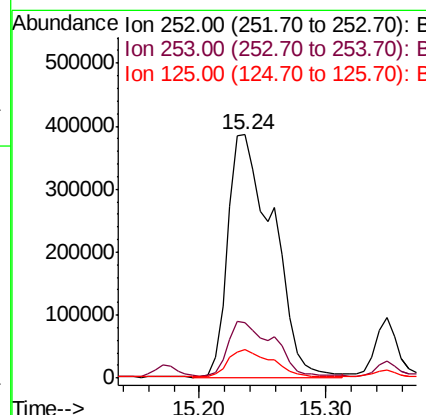
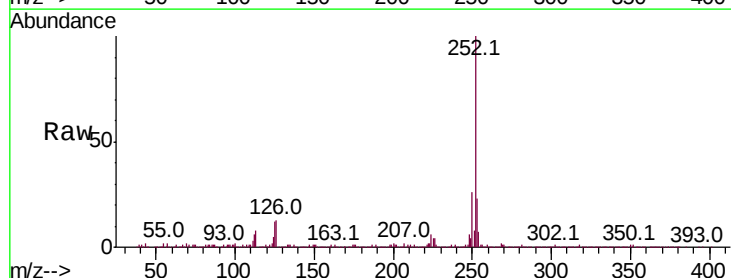
Instrument :
BNA_F
ClientSampleId :

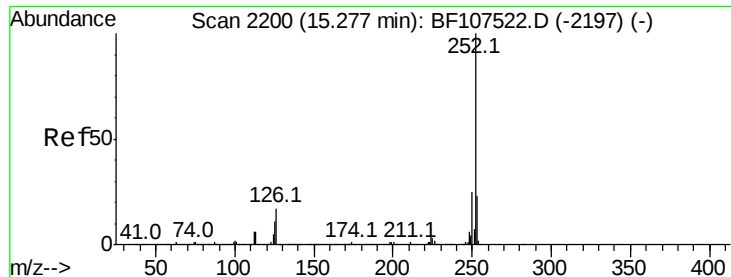
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 42.874 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.7	9.0	13.6

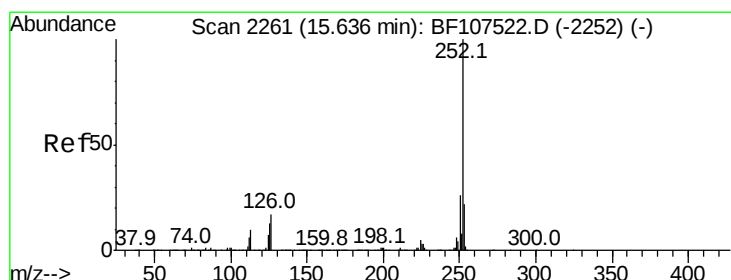
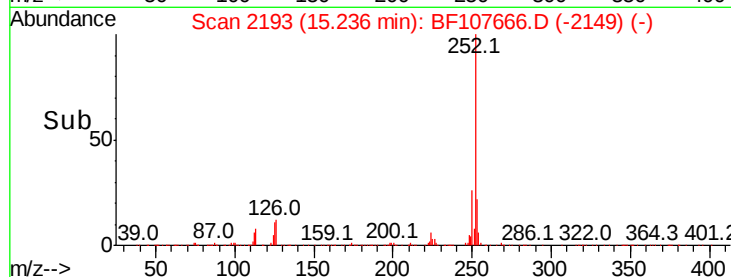
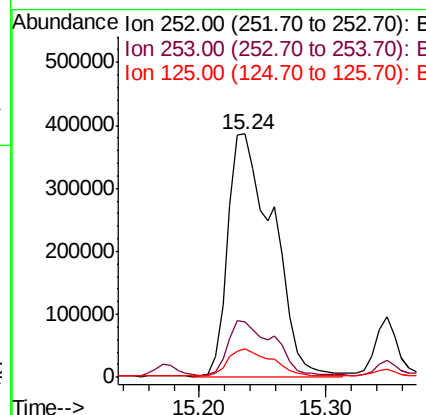
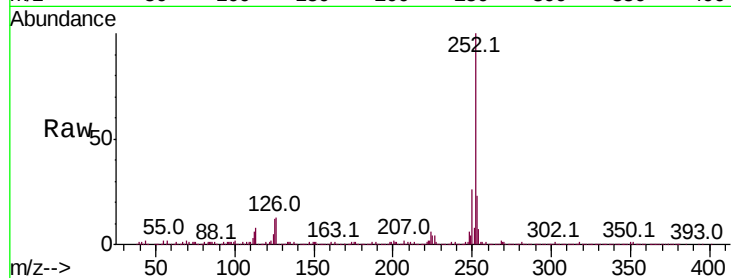




#88
Benzo(k)fluoranthene
Concen: 43.762 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

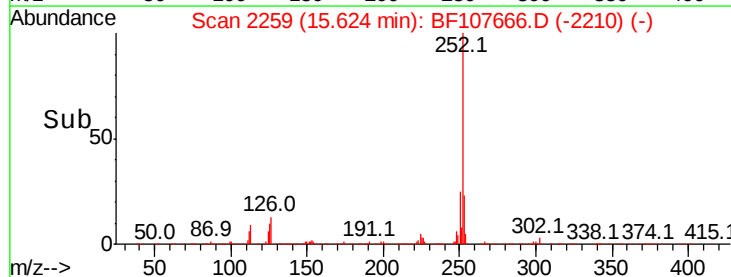
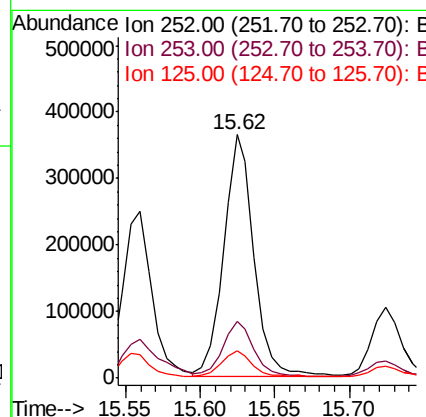
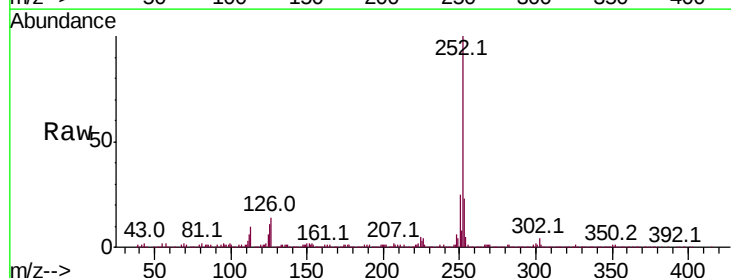
Instrument :
BNA_F
ClientSampleId :

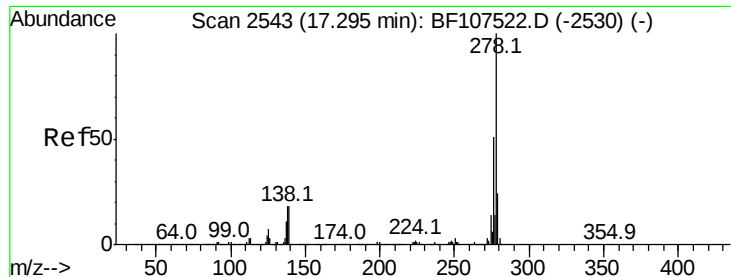
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 25.614 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.0	9.8	14.6

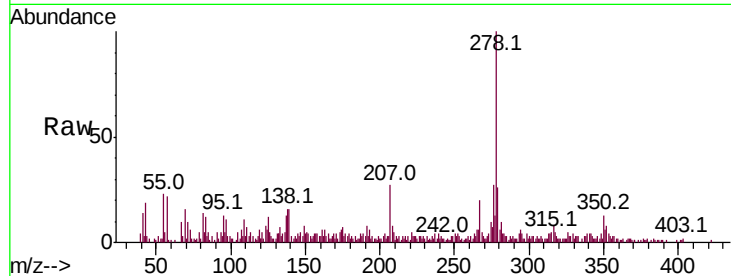




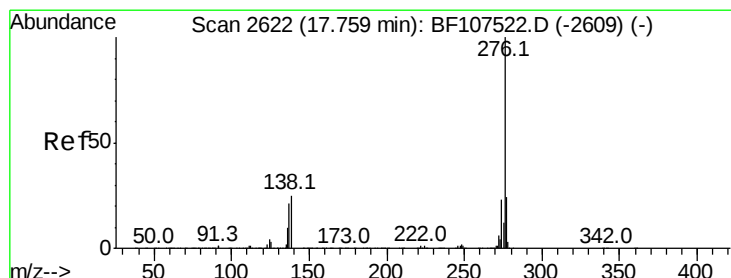
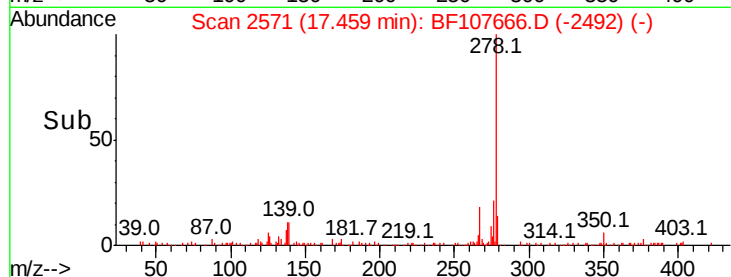
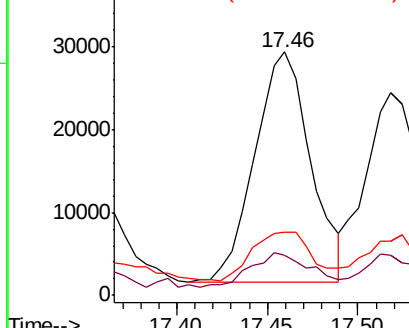
#90
Dibenzo(a,h)anthracene
Concen: 3.429 ng
RT: 17.46 min Scan# 2571
Delta R.T. 0.16 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 59848
Ion Ratio Lower Upper
278 100
139 16.4 15.9 23.9
279 26.1 19.0 28.4

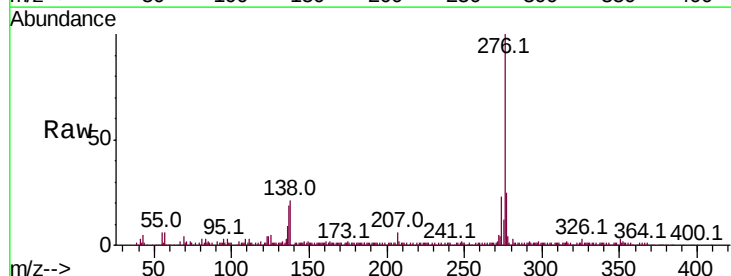


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 16.597 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107666.D
Acq: 25 Jul 2018 19:23

Tgt Ion:276 Resp: 285753
Ion Ratio Lower Upper
276 100
277 25.0 17.9 26.9
138 20.7 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

