

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071818\
 Data File : BF107470.D
 Acq On : 18 Jul 2018 12:00
 Operator : JU/SJ
 Sample : J3906-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-7-8-6-ST-EW-2@2.75

Quant Time: Jul 18 13:07:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

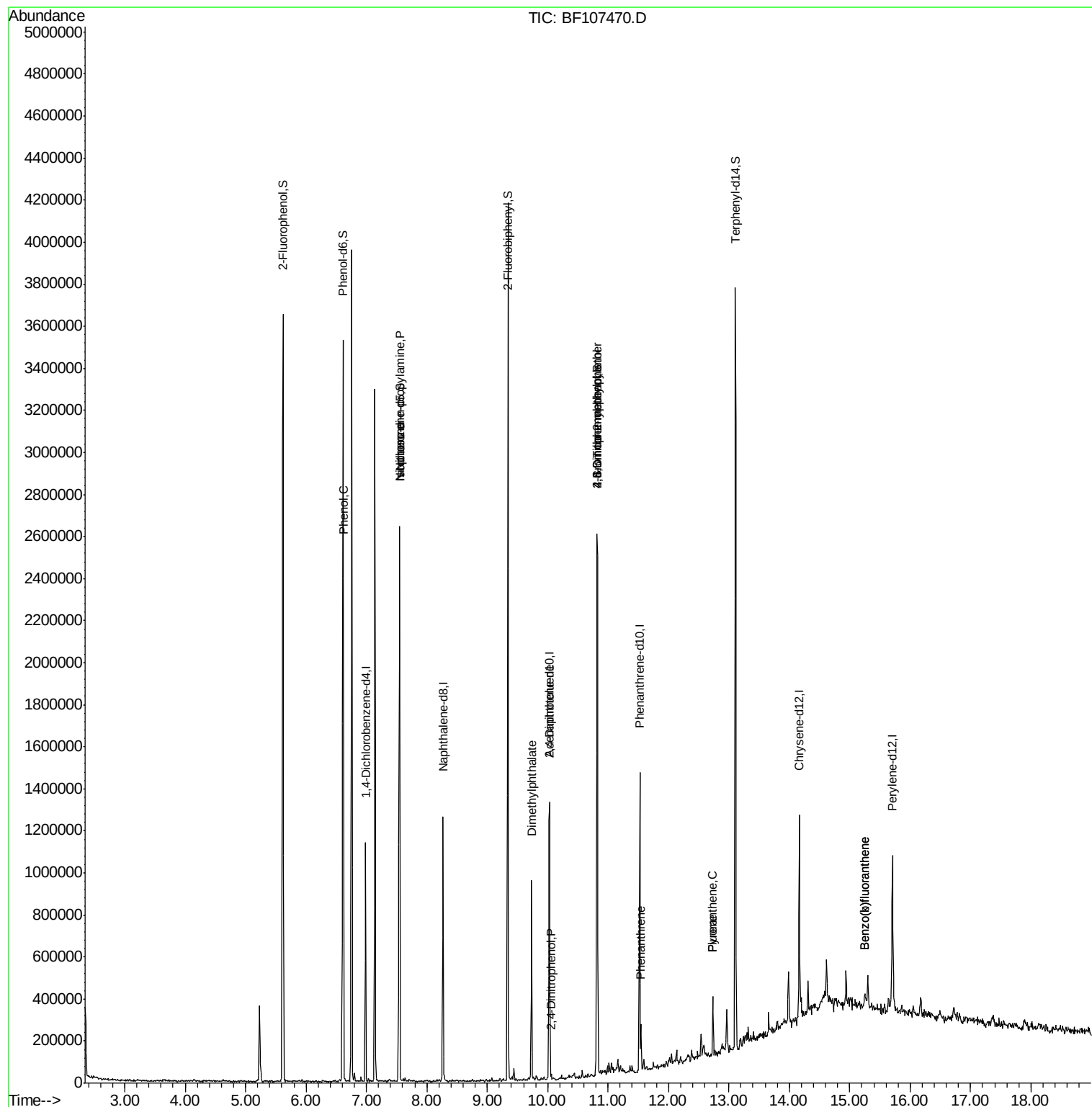
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	122540	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	438796	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	250350	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	501005	20.00	ng	0.00
75) Chrysene-d12	14.17	240	319281	20.00	ng	0.00
86) Perylene-d12	15.71	264	299092	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	856947	106.21	ng	0.01
7) Phenol-d6	6.61	99	1118946	107.26	ng	0.00
23) Nitrobenzene-d5	7.55	82	842773	102.42	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	248757	113.09	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1208964	79.86	ng	0.00
78) Terphenyl-d14	13.11	244	1141818	88.85	ng	0.00
Target Compounds						
10) Phenol	6.62	94	23477	2.099	ng	# 69
19) n-Nitroso-di-n-propylamine	7.55	70	132795	17.779	ng	# 79
25) Isophorone	7.55	82	842747	51.669	ng	# 64
49) Dimethylphthalate	9.73	163	312926	15.732	ng	# 99
53) 2,4-Dinitrophenol	10.05	184	379	2.665	ng	# 1
56) 2,4-Dinitrotoluene	10.02	165	30813	6.228	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.81	198	481	7.640	ng	# 88
66) 4-Bromophenyl-phenylether	10.82	248	29405	5.130	ng	# 1
70) Phenanthrene	11.54	178	57448	2.301	ng	# 96
74) Fluoranthene	12.74	202	81298	2.865	ng	# 94
77) Pyrene	12.74	202	81298	3.744	ng	# 98
87) Benzo(b)fluoranthene	15.24	252	48988	2.798	ng	# 80
88) Benzo(k)fluoranthene	15.24	252	48988	2.867	ng	# 83

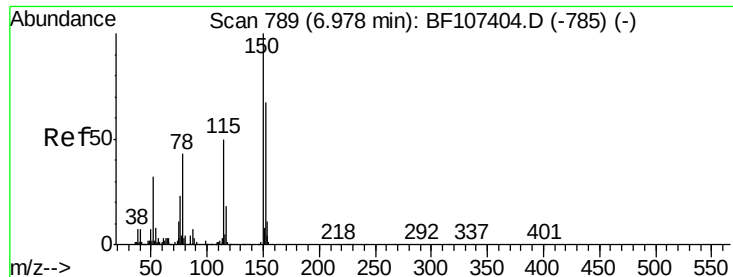
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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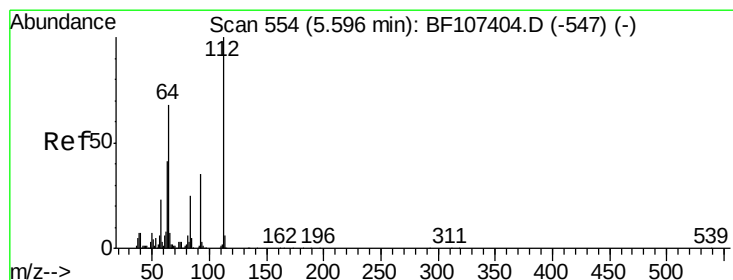
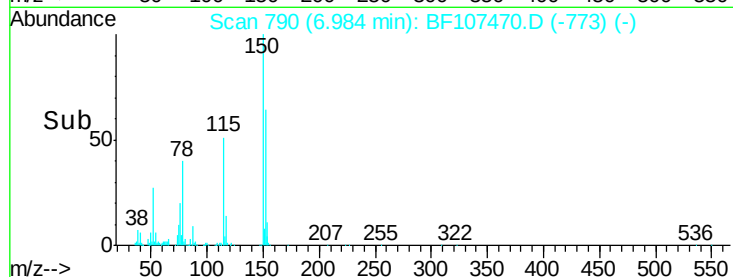
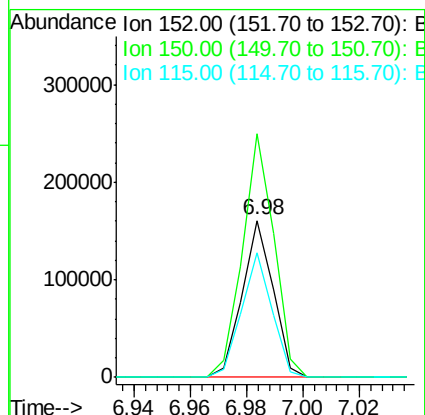
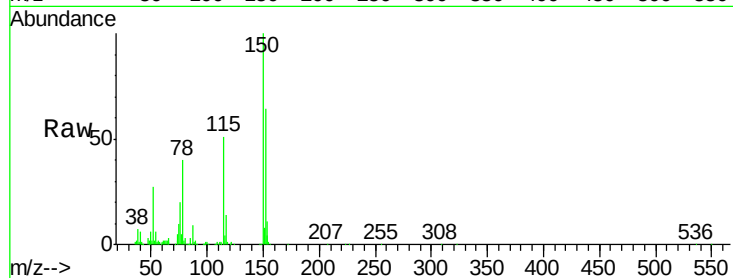


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-2@2.75

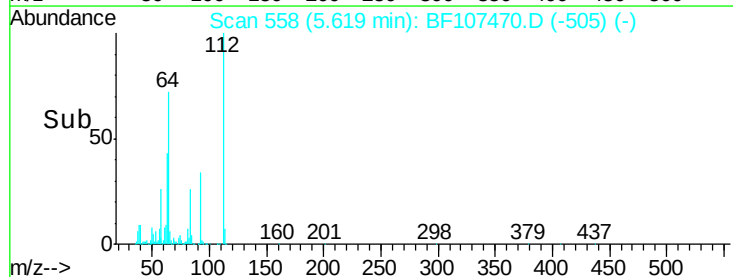
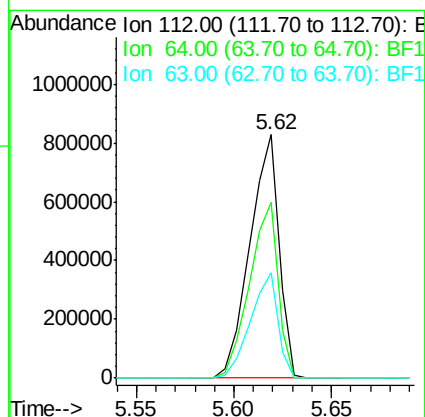
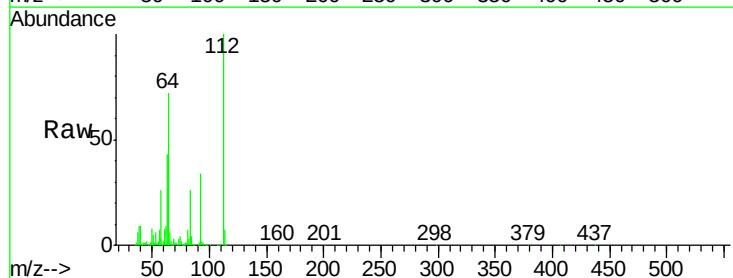
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	79.8	50.1	75.1#

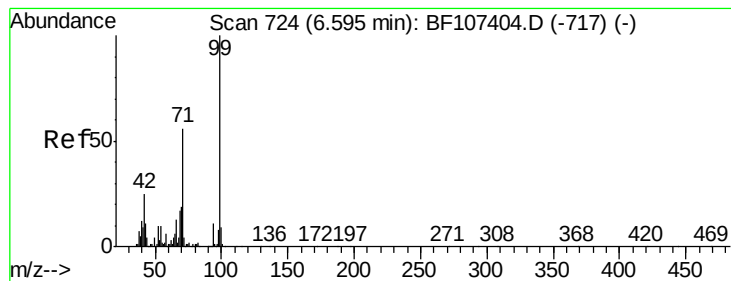


#5

2-Fluorophenol
Concen: 106.209 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	47.9	71.9#
63	43.2	23.7	35.5#





#7

Phenol-d6

Concen: 107.264 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-2@2.75

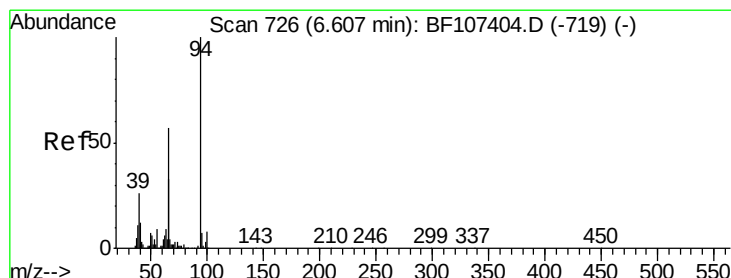
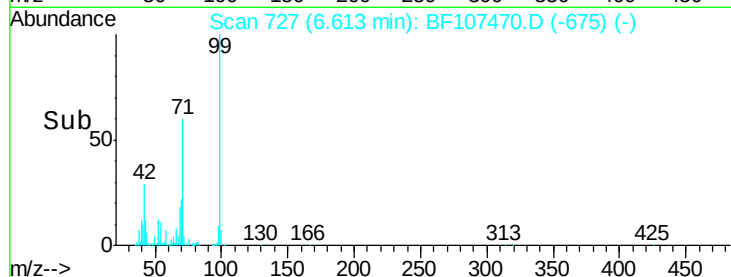
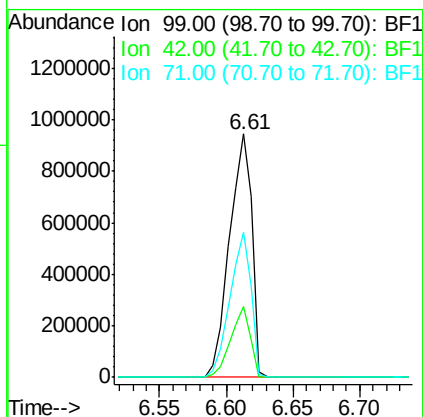
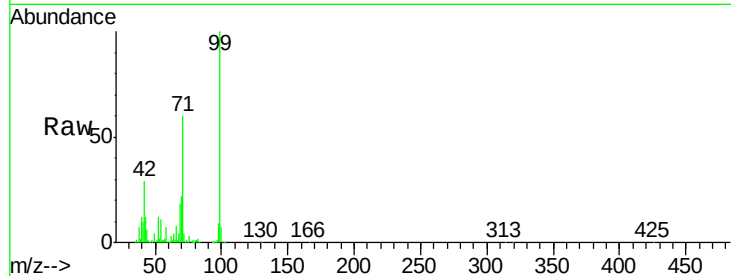
Tgt Ion: 99 Resp: 1118946

Ion Ratio Lower Upper

99 100

42 29.0 14.5 21.7#

71 59.5 25.4 38.0#



#10

Phenol

Concen: 2.099 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

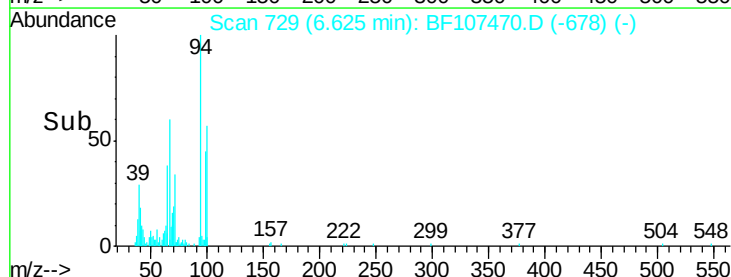
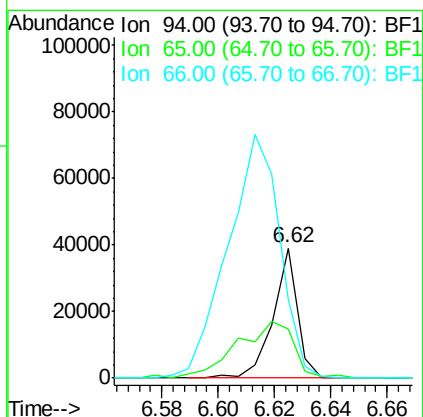
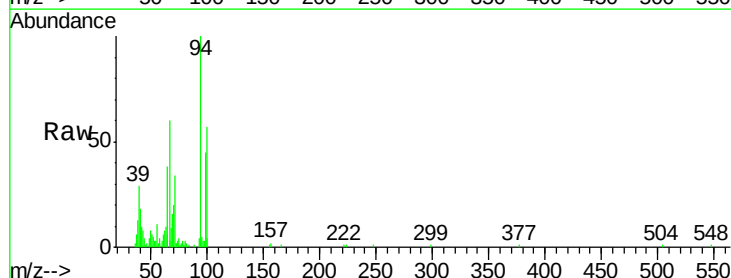
Tgt Ion: 94 Resp: 23477

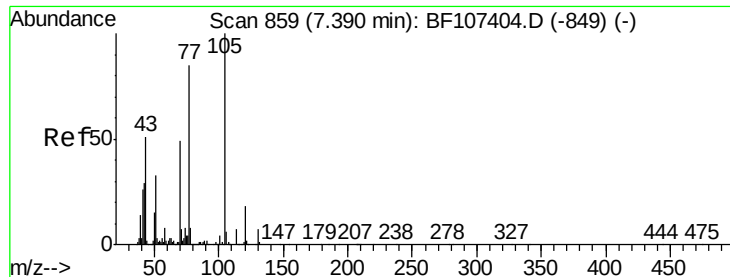
Ion Ratio Lower Upper

94 100

65 38.1 7.9 47.9

66 60.0 16.2 56.2#

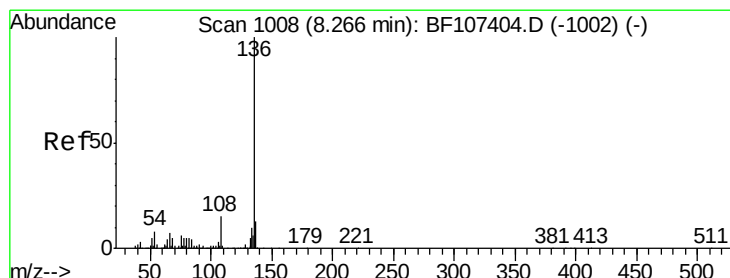
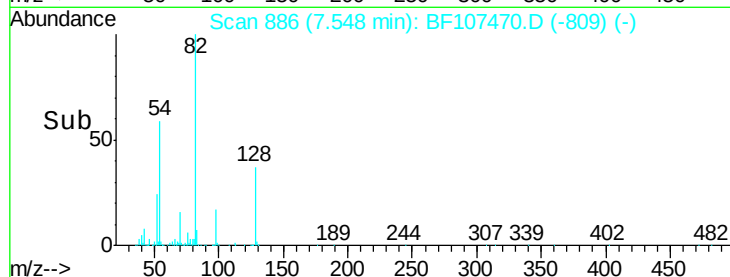
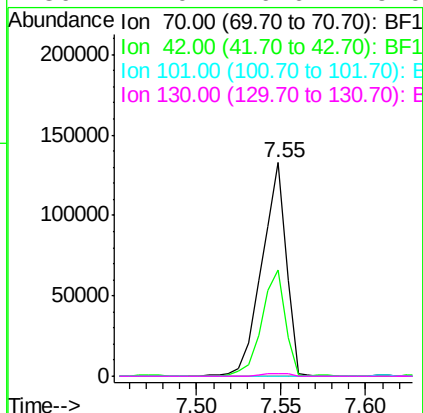
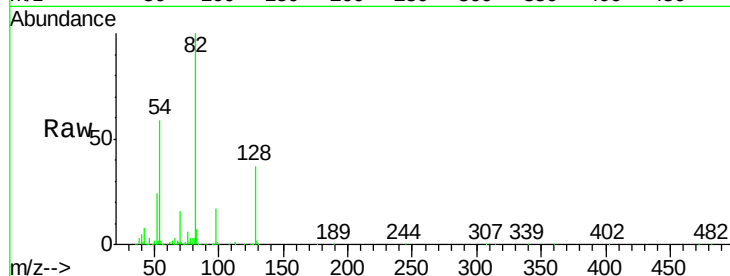




#19
n-Nitroso-di-n-propylamine
Concen: 17.779 ng
RT: 7.55 min Scan# 886
Delta R.T. 0.15 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

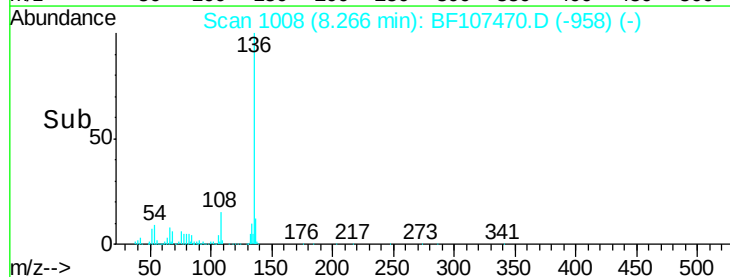
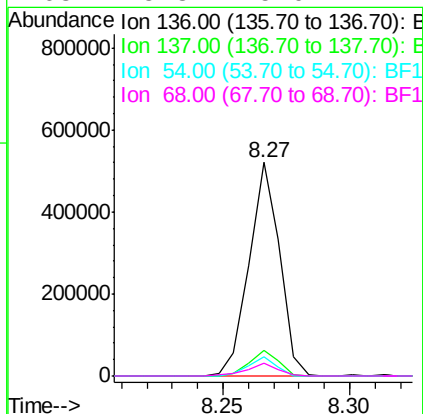
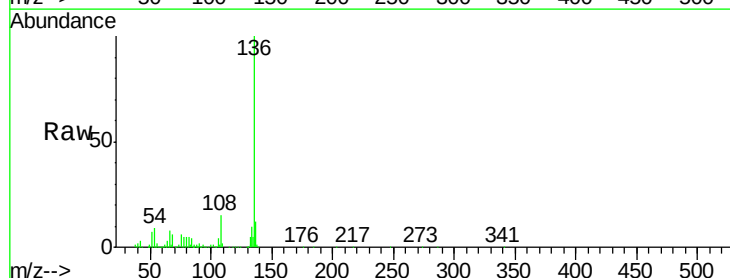
Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-2@2.75

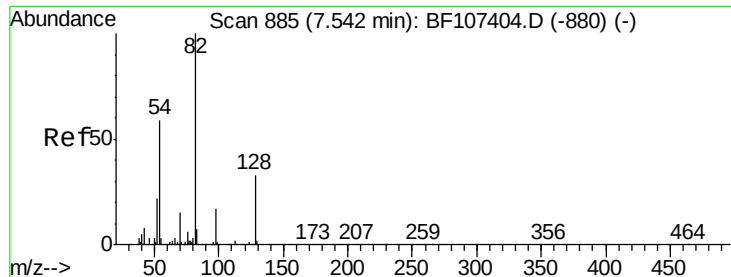
Tgt Ion:	70	Resp:	132795
Ion	Ratio	Lower	Upper
70	100		
42	49.9	47.5	71.3
101	0.0	7.4	11.2#
130	1.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

Tgt Ion:	136	Resp:	438796
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	9.2	6.6	9.8
68	5.8	5.0	7.4





#23

Nitrobenzene-d5

Concen: 102.417 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-2@2.75

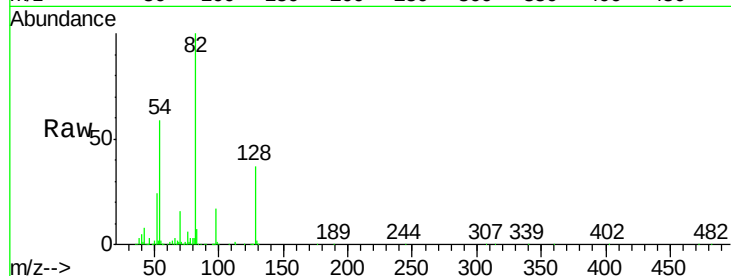
Tgt Ion: 82 Resp: 842773

Ion Ratio Lower Upper

82 100

128 37.2 36.1 54.1

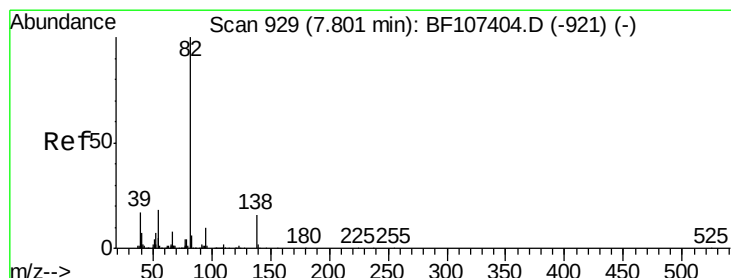
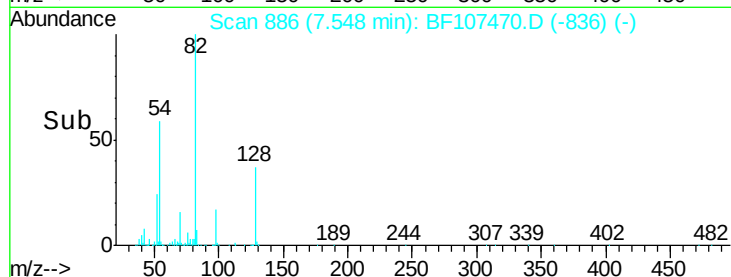
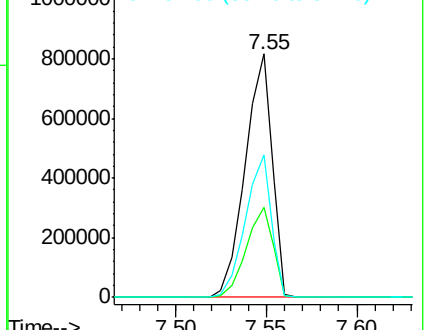
54 58.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 51.669 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

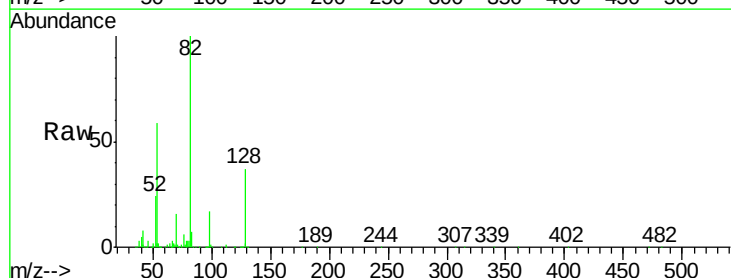
Tgt Ion: 82 Resp: 842747

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

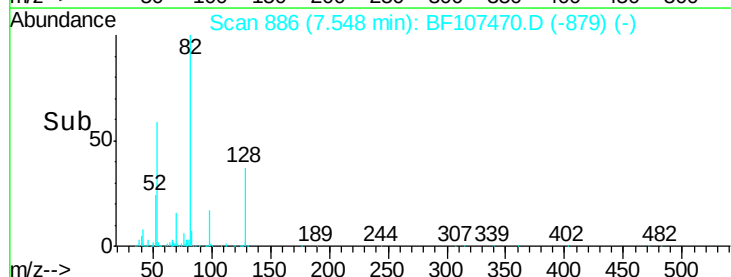
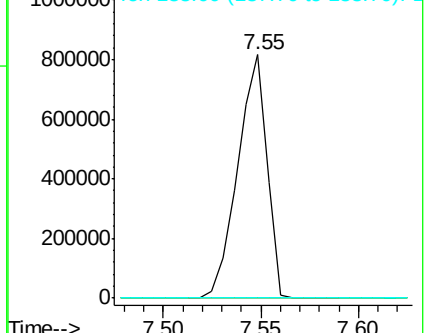
138 0.0 14.9 22.3#

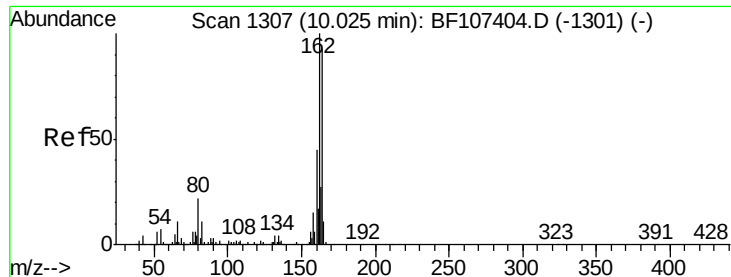


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 10.03 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

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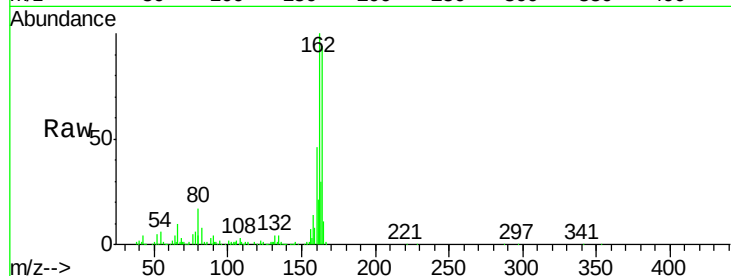
Tgt Ion:164 Resp: 250350

Ion Ratio Lower Upper

164 100

162 106.9 86.1 129.1

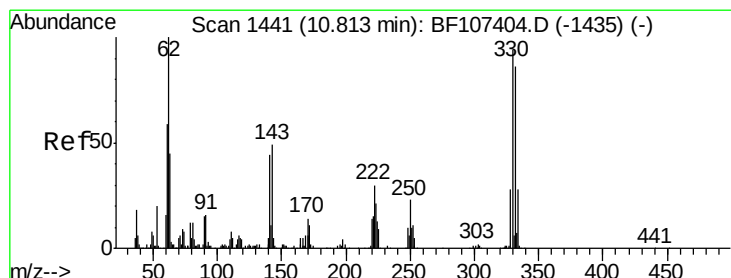
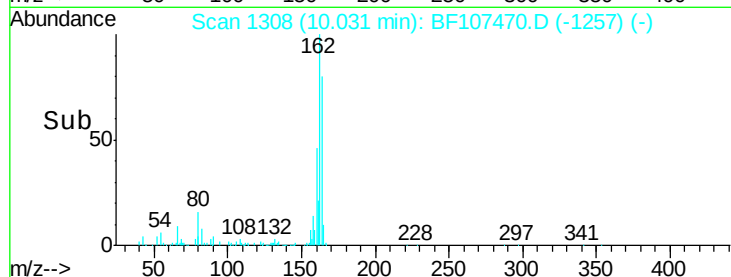
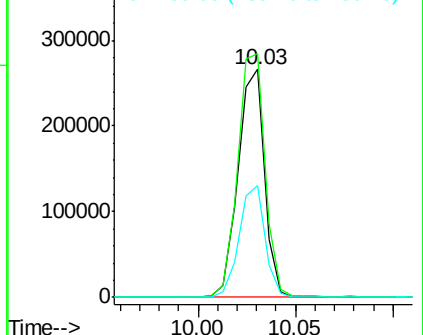
160 49.1 38.3 57.5



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: 113.091 ng

RT: 10.82 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

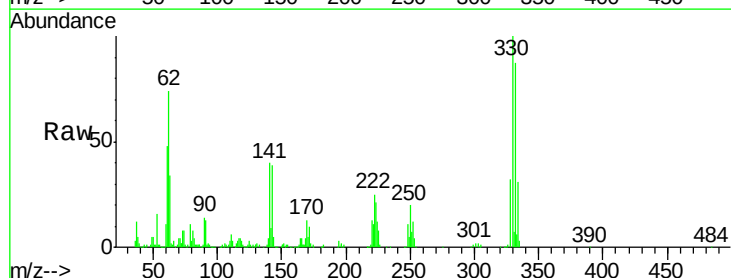
Tgt Ion:330 Resp: 248757

Ion Ratio Lower Upper

330 100

332 92.4 77.0 115.6

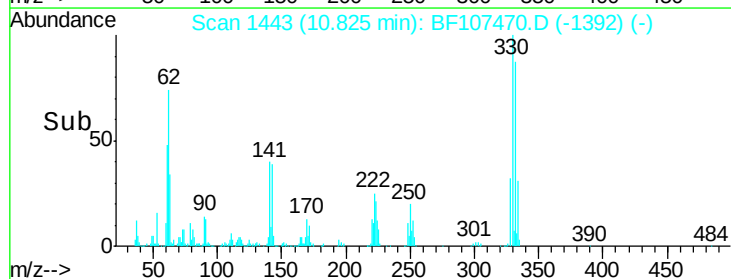
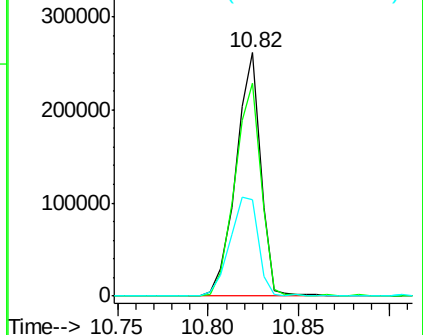
141 46.9 29.9 44.9#

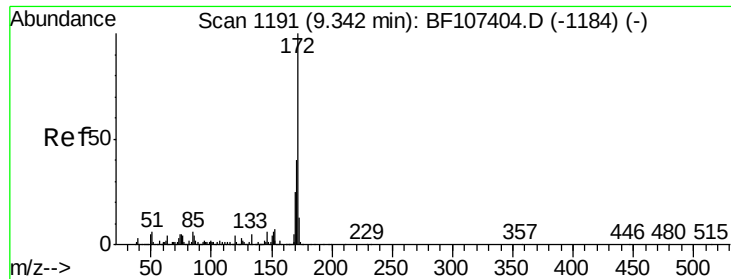


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

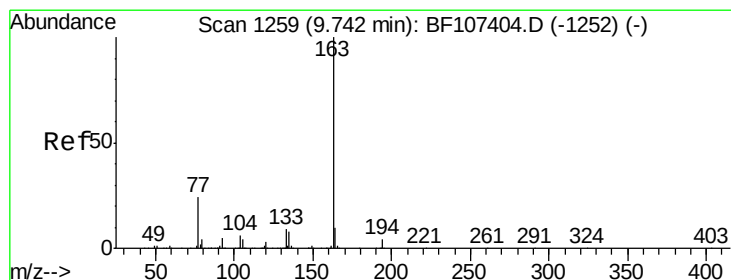
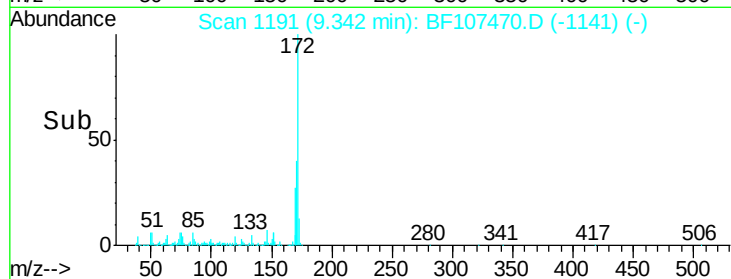
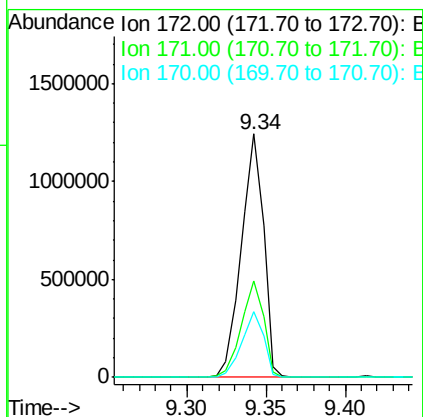
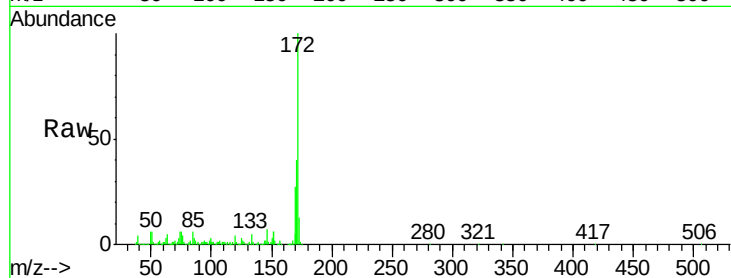




#44
2-Fluorobiphenyl
Concen: 79.862 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

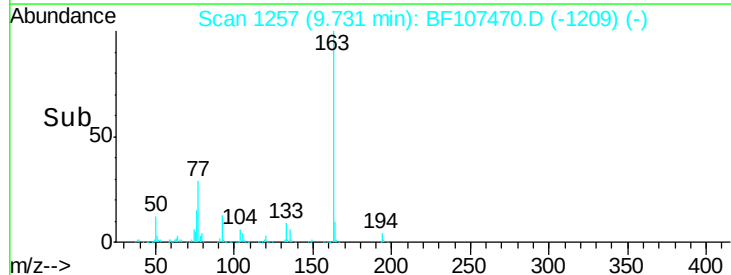
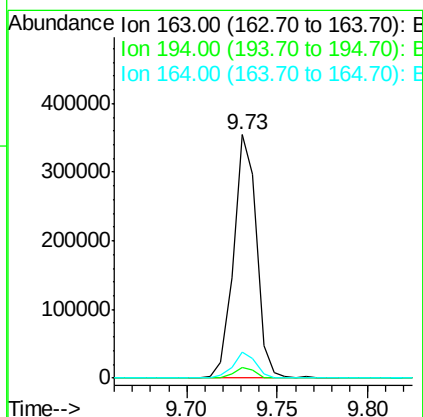
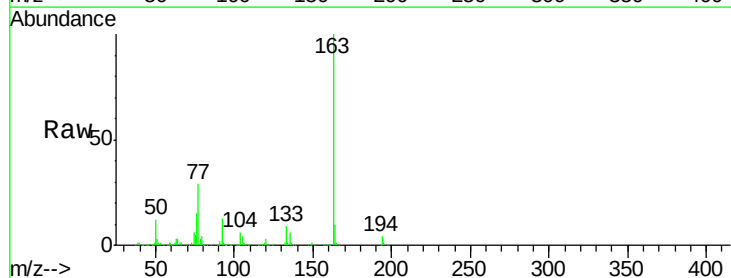
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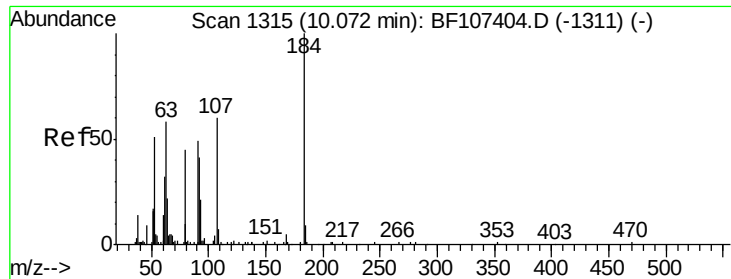
Tgt Ion:172 Resp: 1208964
Ion Ratio Lower Upper
172 100
171 39.6 29.7 44.5
170 27.2 19.6 29.4



#49
Dimethylphthalate
Concen: 15.732 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

Tgt Ion:163 Resp: 312926
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.5 8.2 12.2

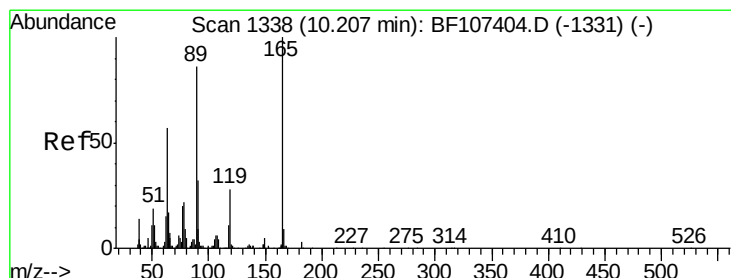
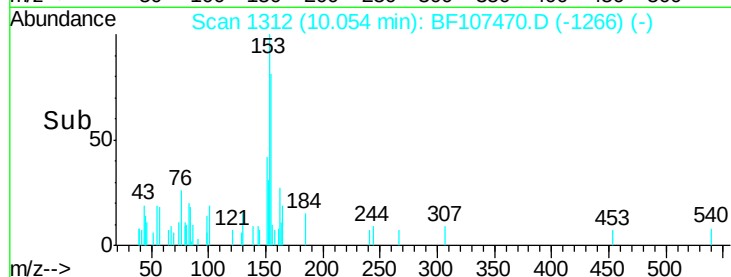
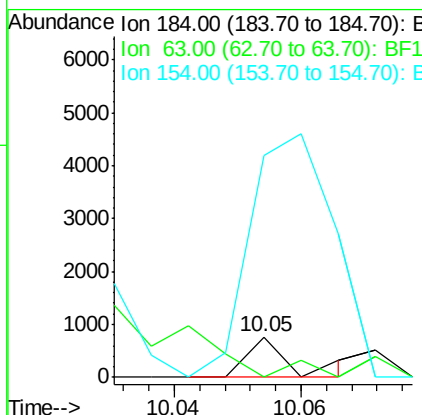
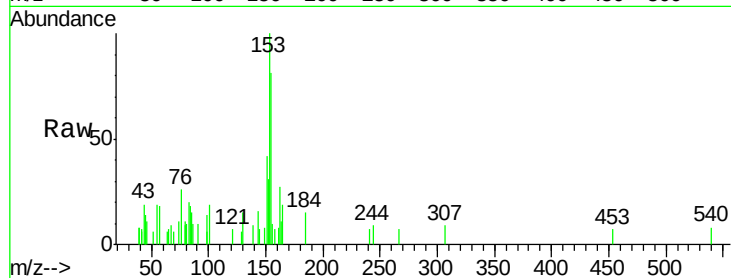




#53
2,4-Dinitrophenol
Concen: 2.665 ng
RT: 10.05 min Scan# 1312
Delta R.T. -0.03 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

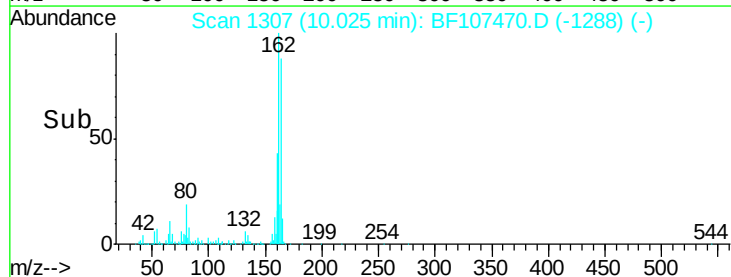
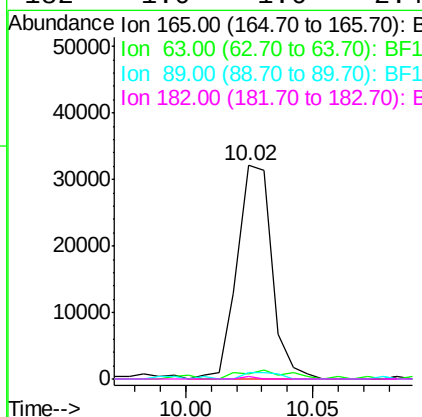
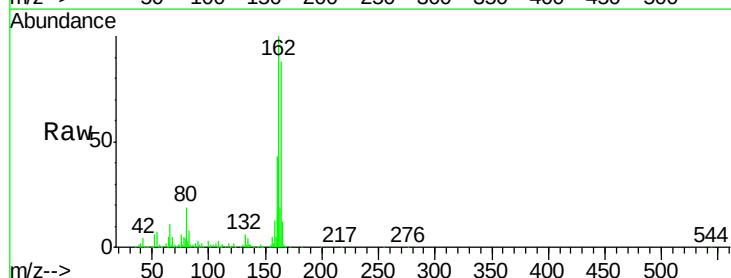
Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-2@2.75

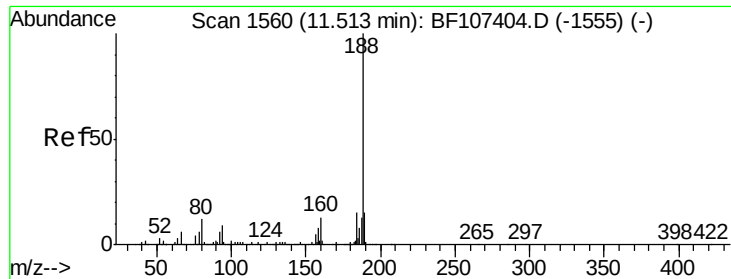
Tgt Ion:184 Resp: 379
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 551.7 184.0 276.0#



#56
2,4-Dinitrotoluene
Concen: 6.228 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

Tgt Ion:165 Resp: 30813
Ion Ratio Lower Upper
165 100
63 2.4 36.4 54.6#
89 3.0 57.8 86.6#
182 1.0 1.6 2.4#

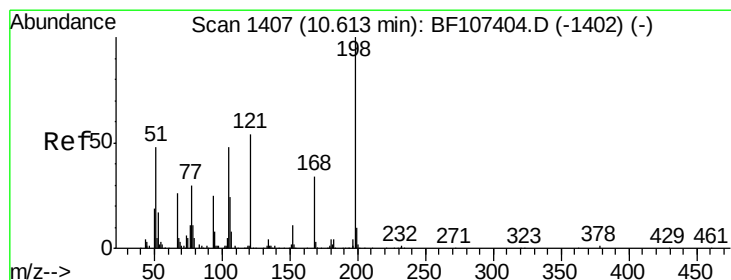
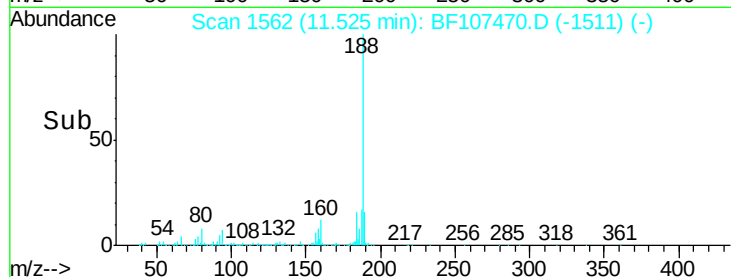
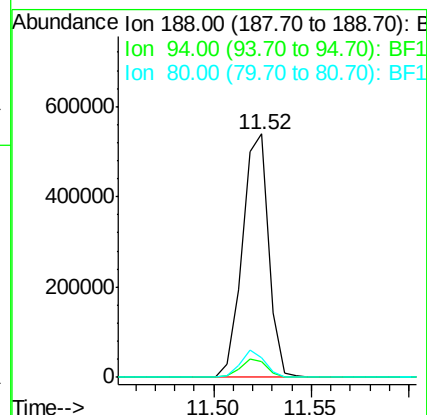
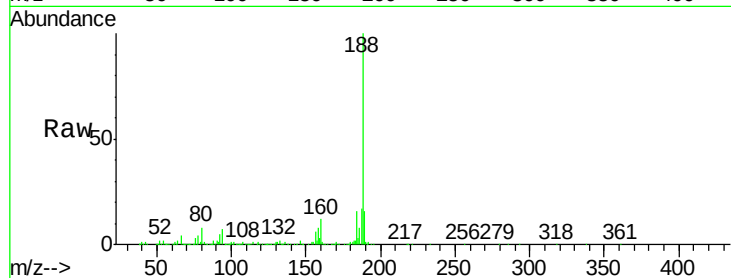




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

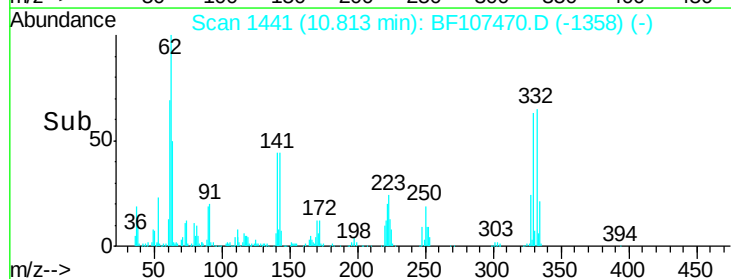
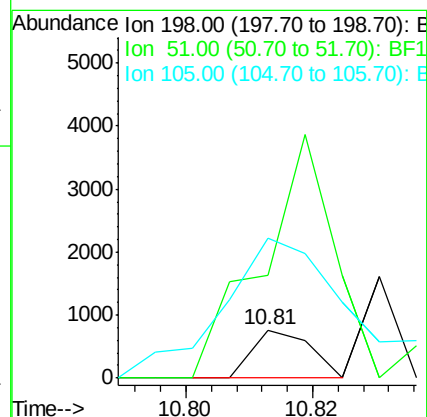
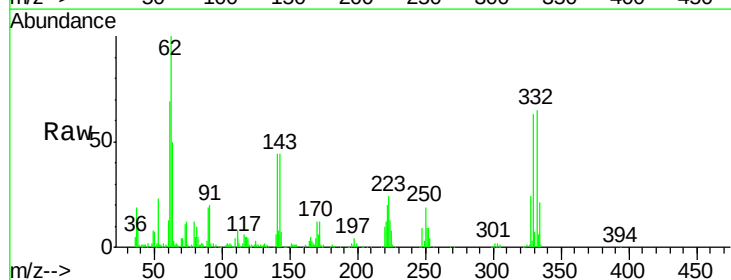
Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-2@2.75

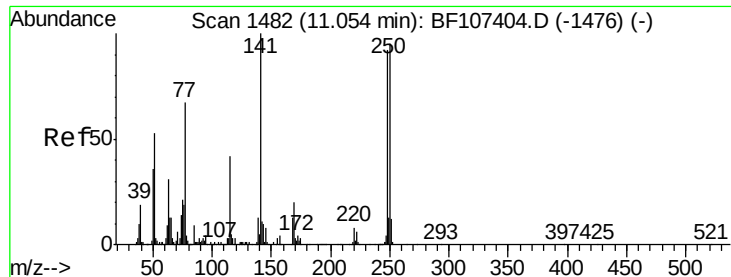
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	8.5	12.7#
80	8.2	9.2	13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 7.640 ng
RT: 10.81 min Scan# 1441
Delta R.T. 0.19 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

Tgt Ion	Ratio	Lower	Upper
198	100		
51	42.6	37.7	77.7
105	58.1	36.3	76.3

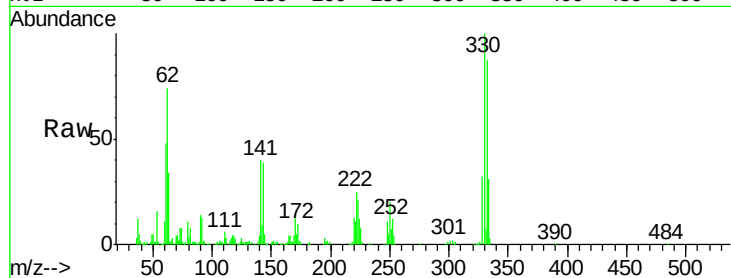




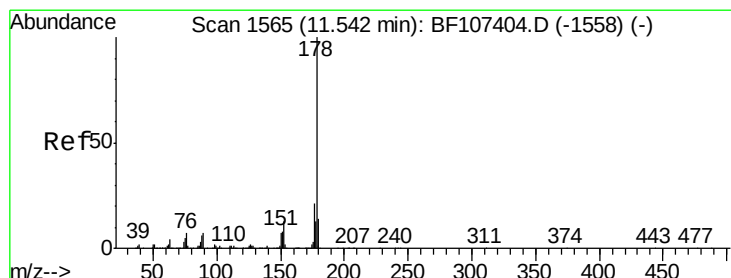
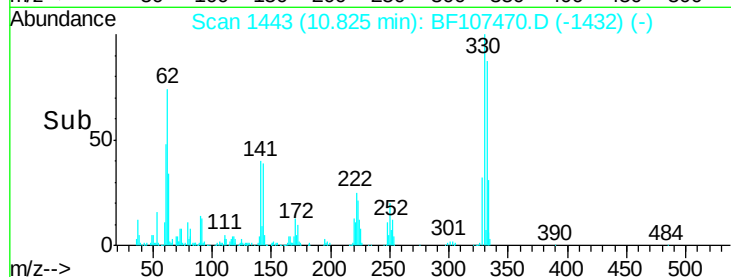
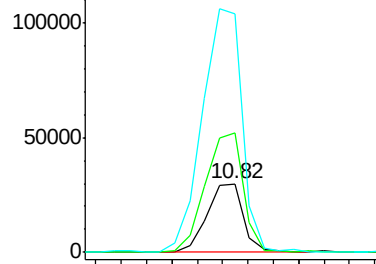
#66
 4-Bromophenyl-phenylether
 Concen: 5.130 ng
 RT: 10.82 min Scan# 1443
 Delta R.T. -0.24 min
 Lab File: BF107470.D
 Acq: 18 Jul 2018 12:00

Instrument :
 BNA_F
 ClientSampleId :
 CB-7-8-6-ST-EW-2@2.75

Tgt Ion:248 Resp: 29405
 Ion Ratio Lower Upper
 248 100
 250 174.4 76.9 115.3#
 141 350.1 74.4 111.6#

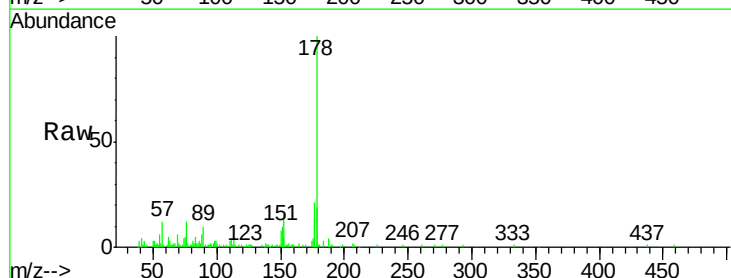


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

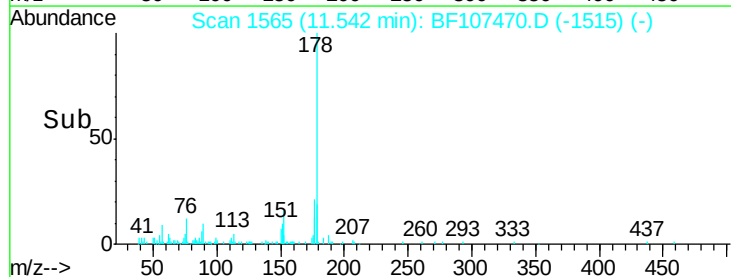
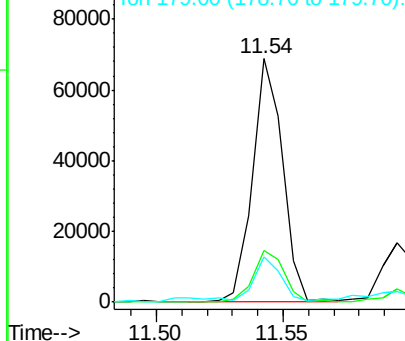


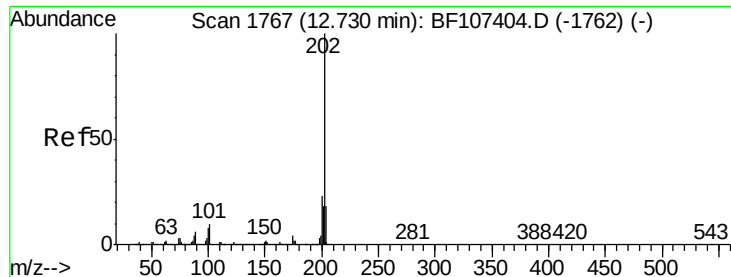
#70
 Phenanthrene
 Concen: 2.301 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF107470.D
 Acq: 18 Jul 2018 12:00

Tgt Ion:178 Resp: 57448
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.8 23.8
 179 18.5 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: 2.865 ng

RT: 12.74 min Scan# 1768

Delta R.T. -0.01 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

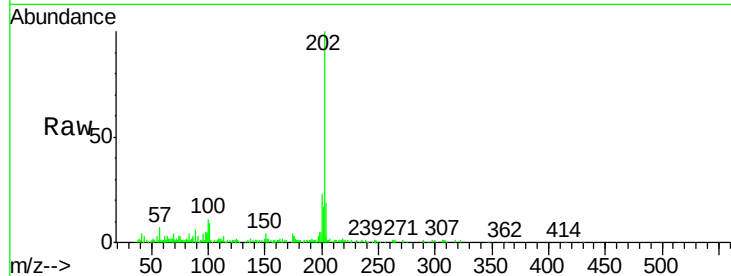
Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-2@2.75

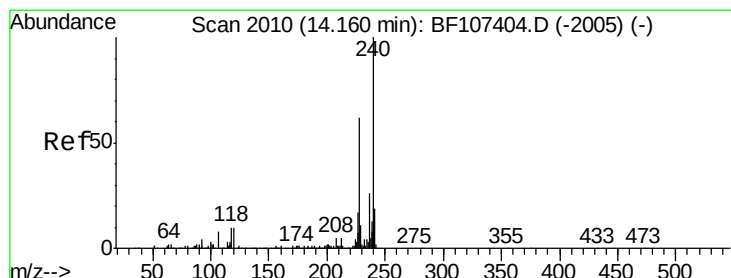
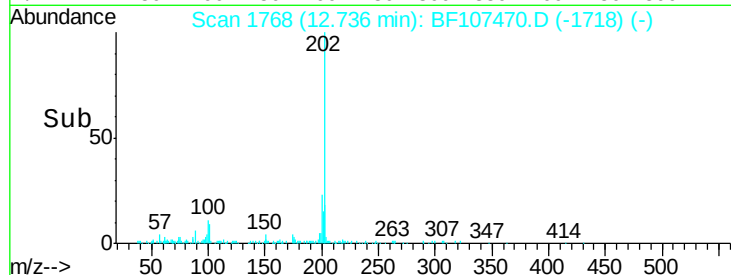
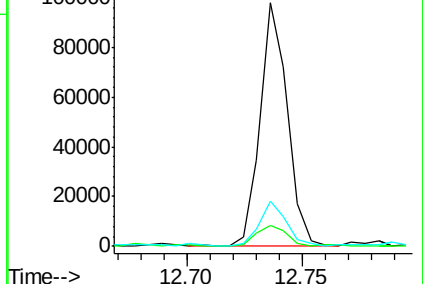
Tgt Ion:	202	Resp:	81298
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	34.1
203	18.7	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

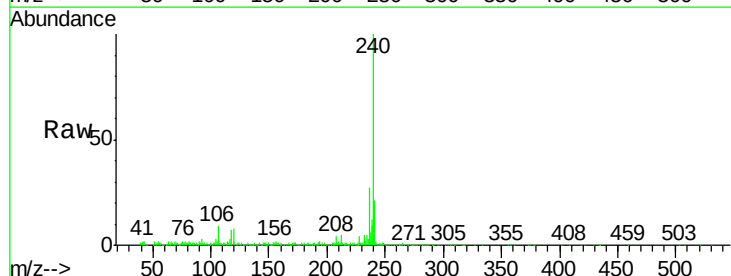
RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

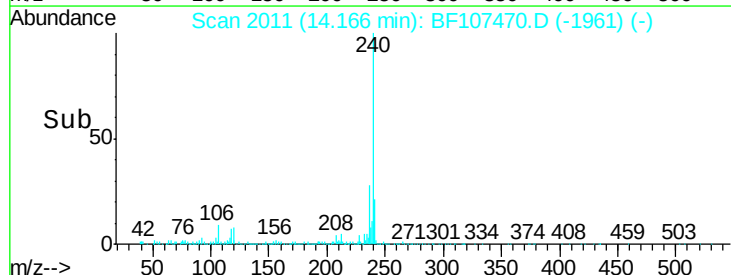
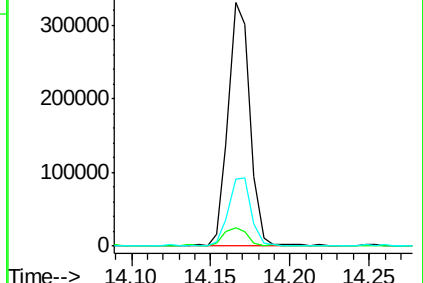
Tgt Ion:	240	Resp:	319281
Ion Ratio	Lower	Upper	
240	100		
120	7.7	9.5	14.3#
236	27.5	20.7	31.1

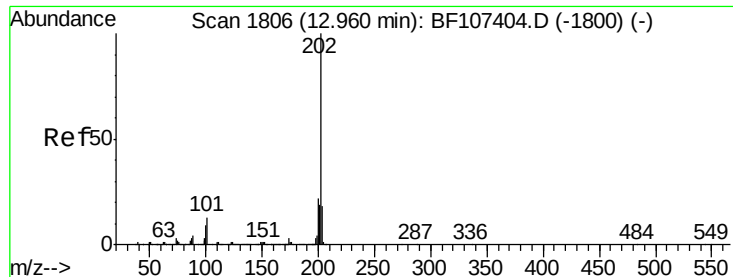


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.744 ng

RT: 12.74 min Scan# 1768

Delta R.T. -0.24 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

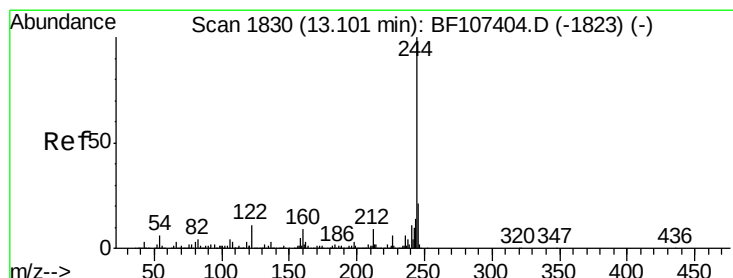
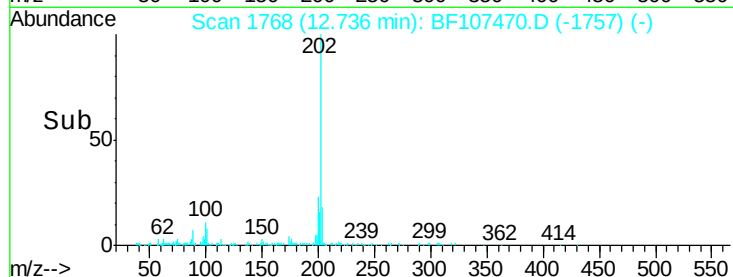
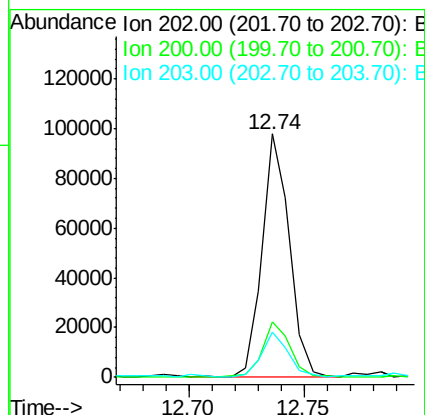
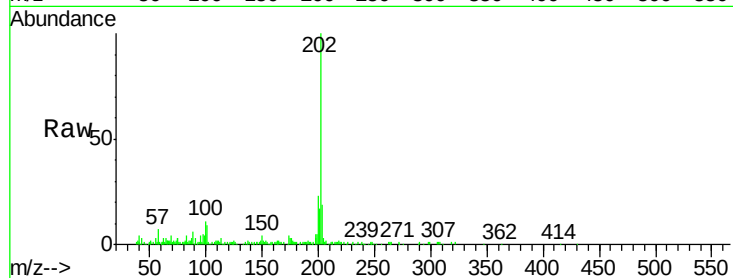
Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-2@2.75

Tgt Ion:	202	Resp:	81298
Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.2
203	18.7	14.3	21.5



#78

Terphenyl-d14

Concen: 88.854 ng

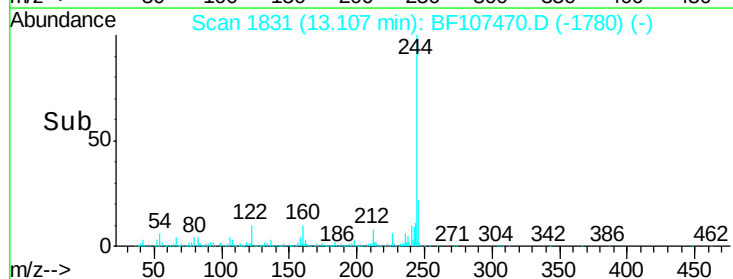
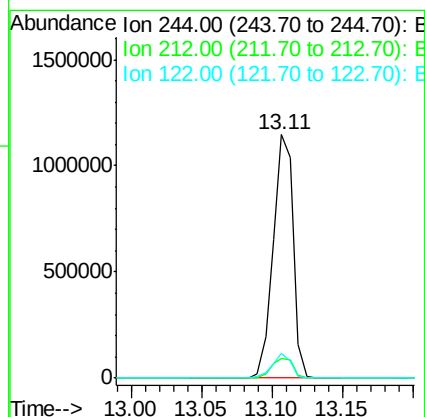
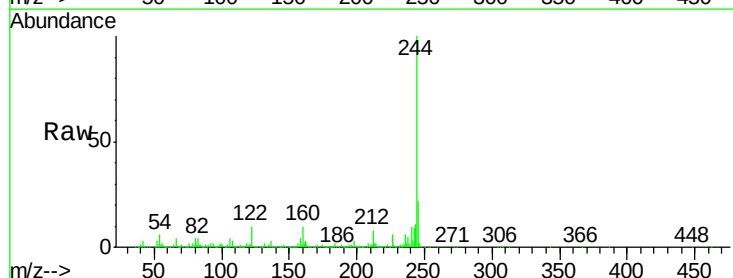
RT: 13.11 min Scan# 1831

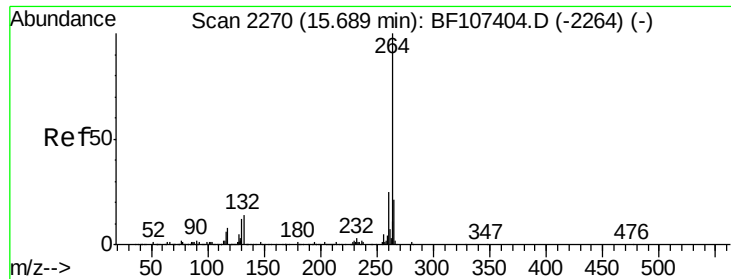
Delta R.T. 0.00 min

Lab File: BF107470.D

Acq: 18 Jul 2018 12:00

Tgt Ion:	244	Resp:	1141818
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.4	8.0#
122	10.3	11.0	16.4#

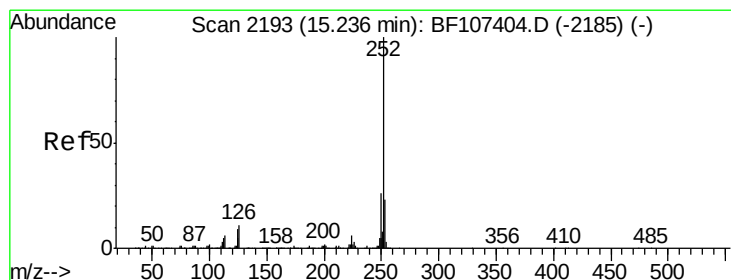
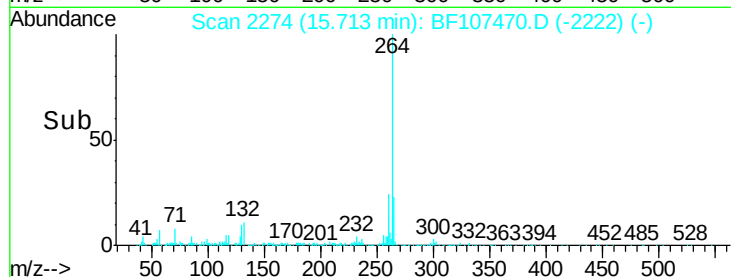
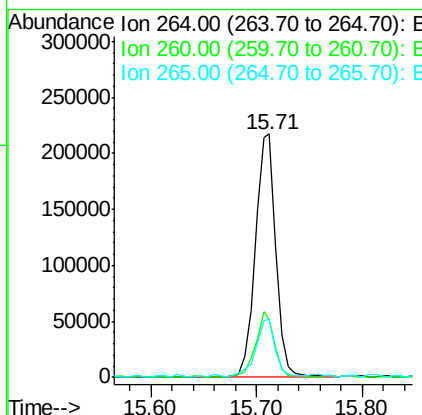
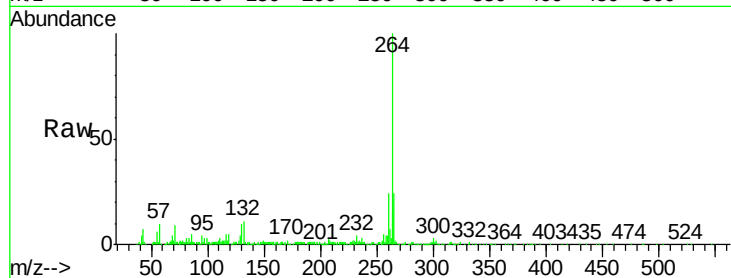




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

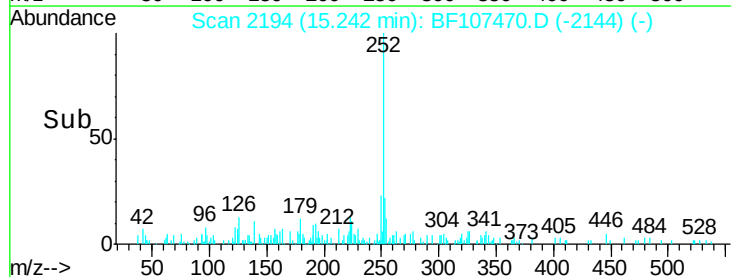
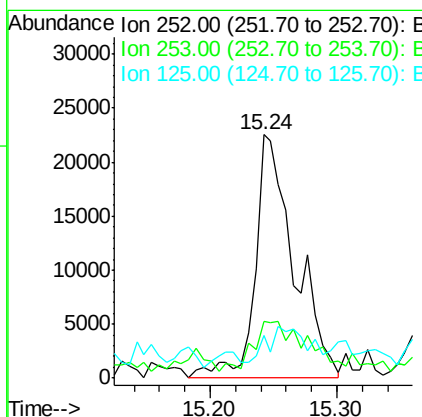
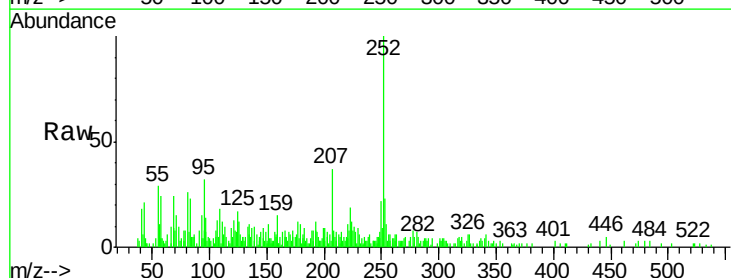
Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-2@2.75

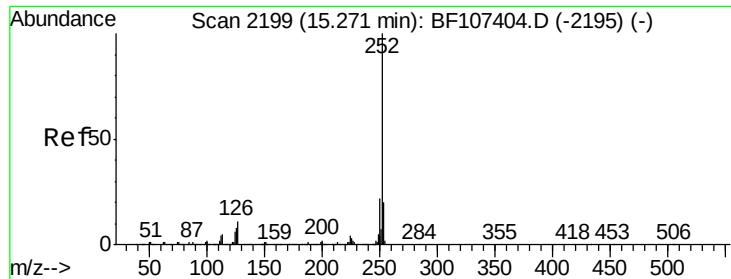
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.798 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF107470.D
Acq: 18 Jul 2018 12:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	29.7	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.867 ng

RT: 15.24 min Scan# 2194

Delta R.T. -0.04 min

Lab File: BF107470.D

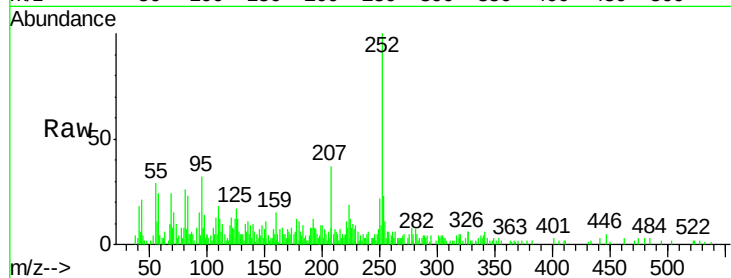
Acq: 18 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-2@2.75



Tgt Ion:	252	Resp:	48988
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	29.7	10.2	15.2#

