

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
 Data File : BF107429.D
 Acq On : 17 Jul 2018 3:26
 Operator : JU/SJ
 Sample : J3954-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM1041

Quant Time: Jul 17 04:07:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	156637	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	543383	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	233355	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	348247	20.00	ng	0.02
75) Chrysene-d12	14.18	240	357751	20.00	ng	0.02
86) Perylene-d12	15.71	264	261580	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	554723	53.79	ng	0.01
7) Phenol-d6	6.60	99	431786	32.38	ng	0.00
23) Nitrobenzene-d5	7.55	82	1052936	103.33	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	200545	97.81	ng	0.02
44) 2-Fluorobiphenyl	9.34	172	1550148	114.52	ng	0.00
78) Terphenyl-d14	13.12	244	1285107	89.25	ng	0.02

Target Compounds

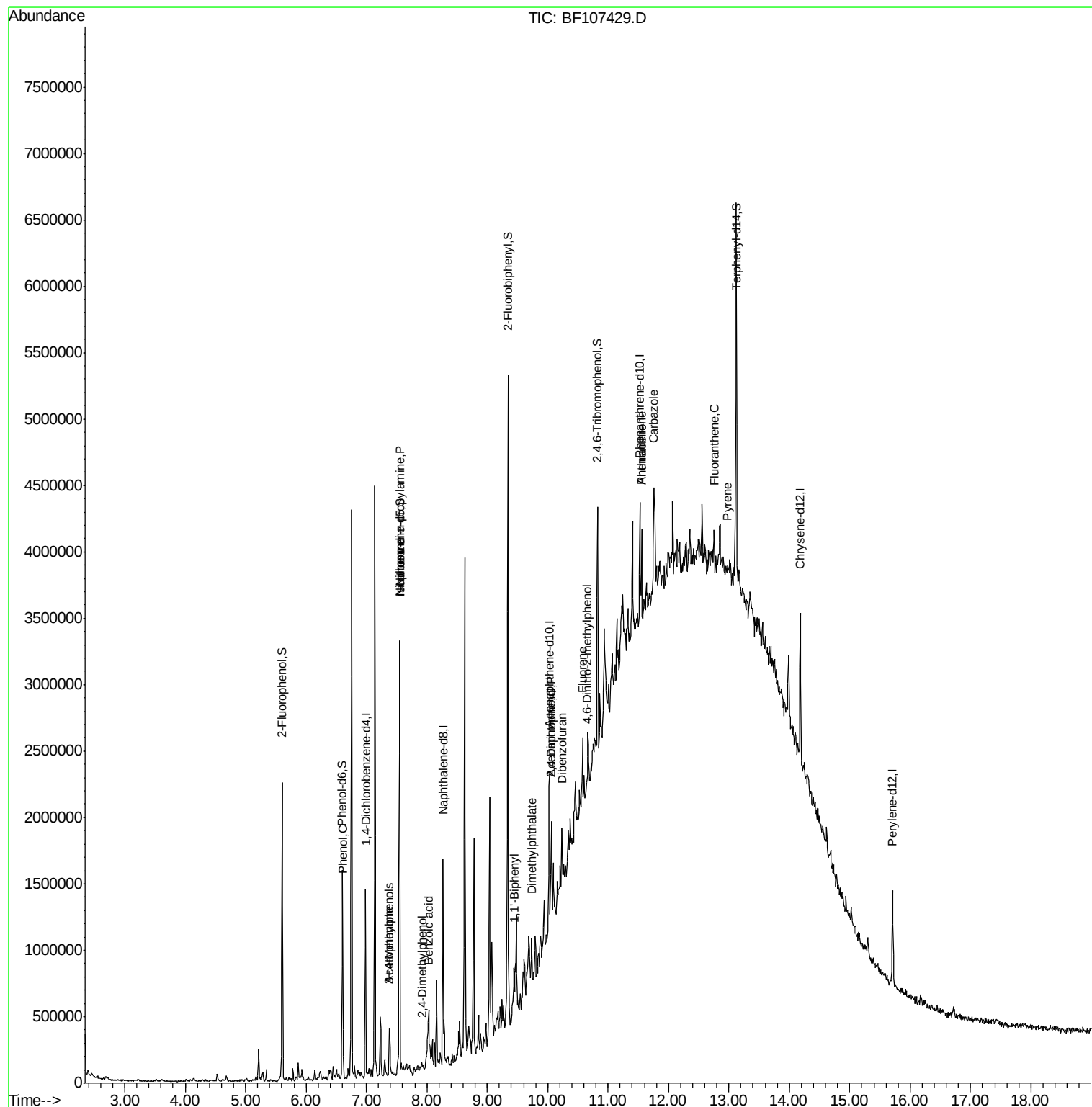
						Qvalue
10) Phenol	6.61	94	50718	3.548	ng	# 60
19) n-Nitroso-di-n-propylamine	7.55	70	165825	17.369	ng	# 86
20) 3+4-Methylphenols	7.38	107	33977	2.697	ng	# 52
22) Acetophenone	7.38	105	41633	2.789	ng	# 79
25) Isophorone	7.55	82	1049659	51.968	ng	# 64
27) 2,4-Dimethylphenol	7.92	122	18527	2.282	ng	# 81
32) Benzoic acid	8.04	122	143822	28.868	ng	# 76
45) 1,1'-Biphenyl	9.44	154	53239	2.639	ng	# 88
49) Dimethylphthalate	9.74	163	59009	3.183	ng	# 97
51) Acenaphthene	10.06	154	137227	9.308	ng	# 95
53) 2,4-Dinitrophenol	10.06	184	2168	4.753	ng	# 1
54) Dibenzofuran	10.23	168	156021	6.849	ng	# 93
57) Fluorene	10.58	166	125981	8.350	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.65	198	4230	9.402	ng	# 1
70) Phenanthrene	11.55	178	289942	16.706	ng	# 96
71) Anthracene	11.55	178	289942	16.773	ng	# 95
72) Carbazole	11.77	167	271502	16.590	ng	# 85
74) Fluoranthene	12.75	202	99356	5.037	ng	# 80
77) Pyrene	12.98	202	66391	2.729	ng	# 65

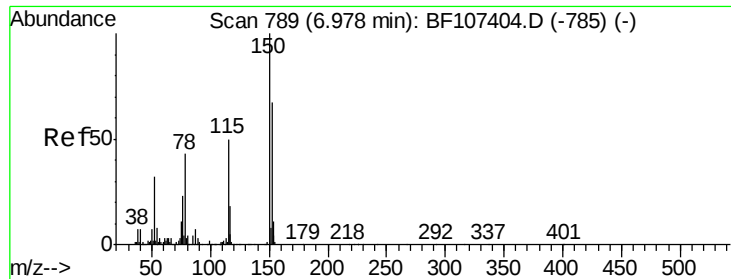
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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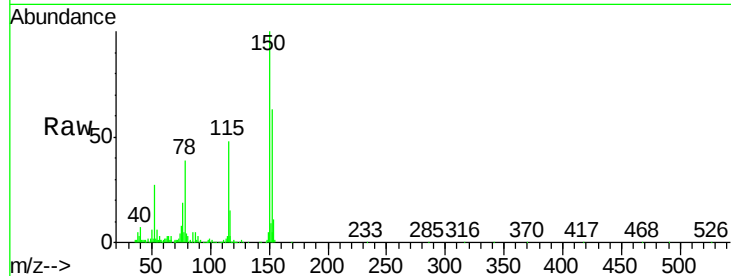


#1

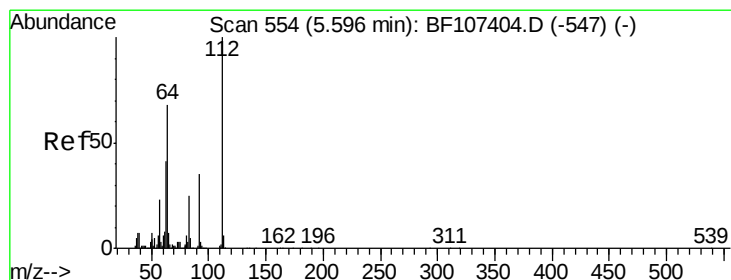
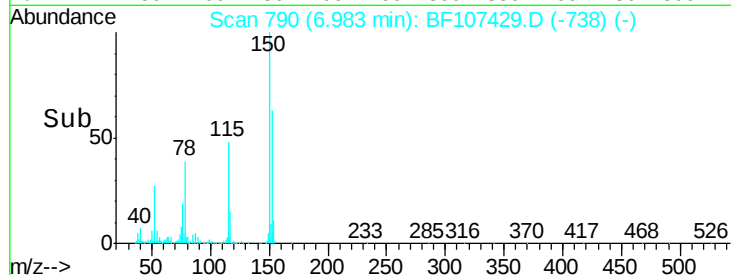
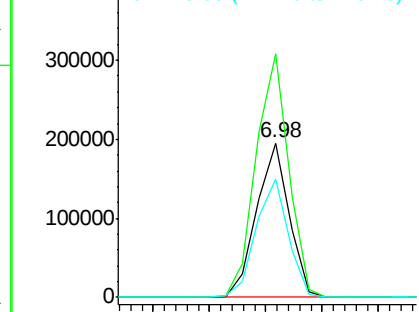
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampleId :
FM1041

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	76.3	50.1	75.1#



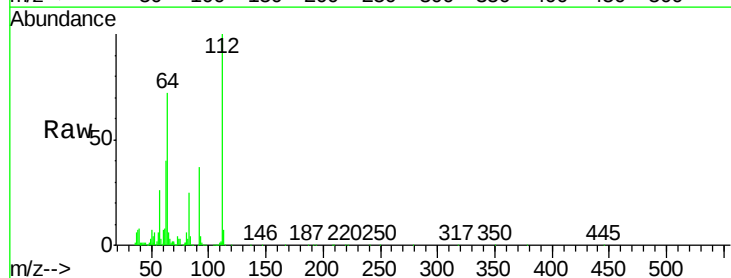
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



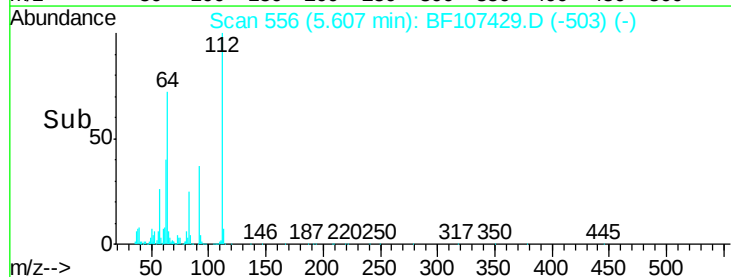
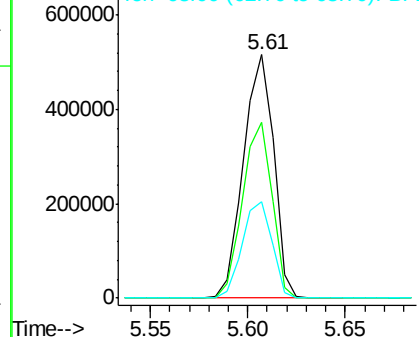
#5

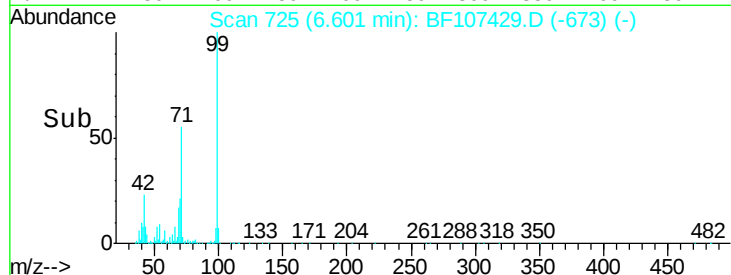
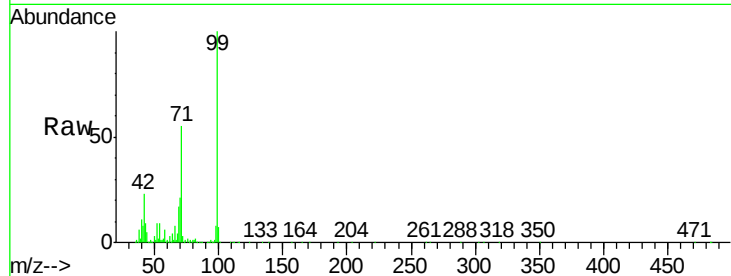
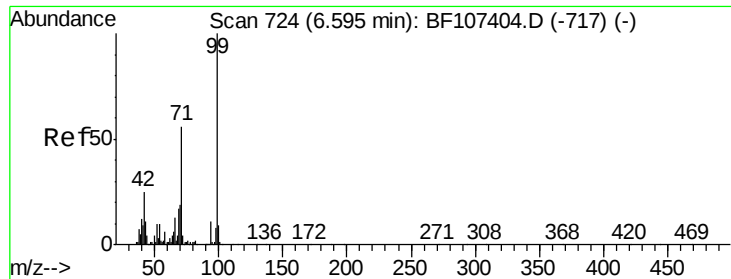
2-Fluorophenol
Concen: 53.786 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	47.9	71.9#
63	39.5	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: 32.382 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

ClientSampleId :

FM1041

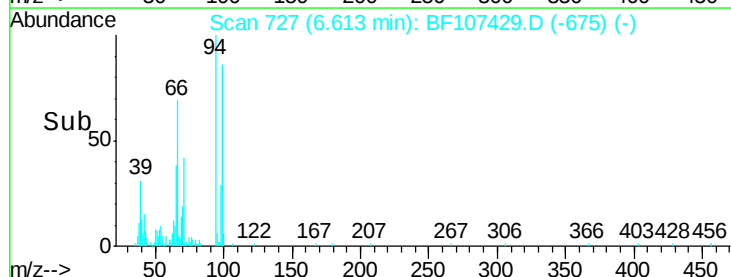
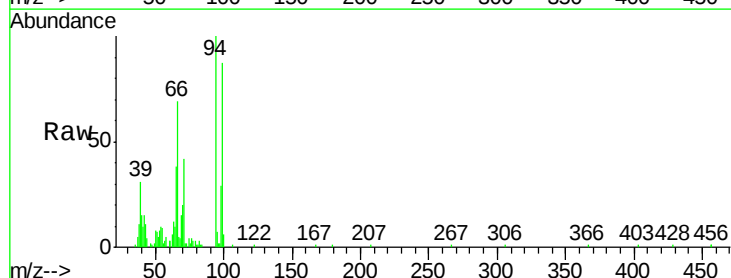
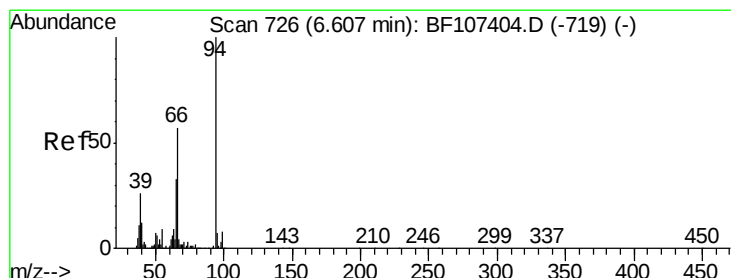
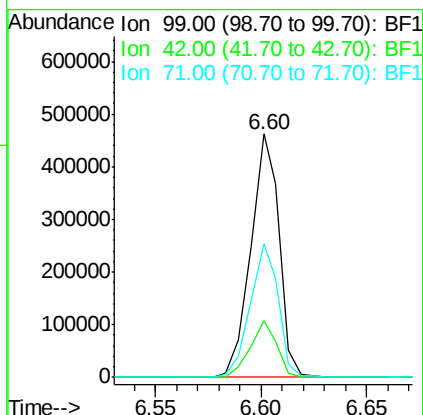
Tgt Ion: 99 Resp: 431786

Ion Ratio Lower Upper

99 100

42 23.1 14.5 21.7#

71 55.0 25.4 38.0#



#10

Phenol

Concen: 3.548 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

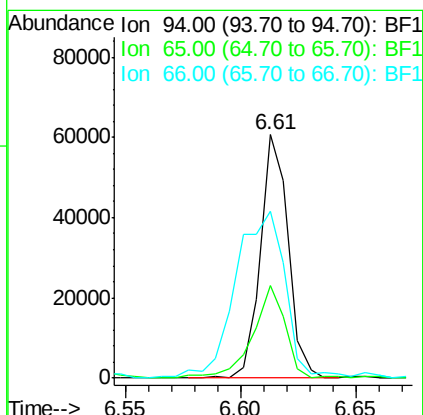
Tgt Ion: 94 Resp: 50718

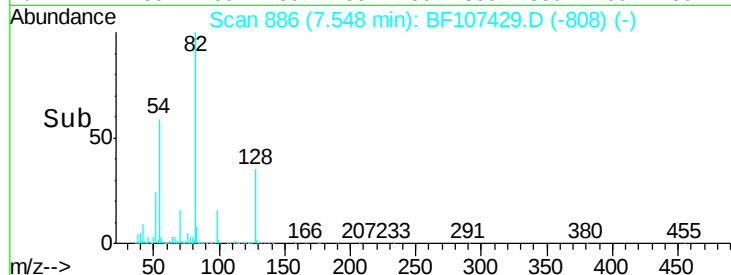
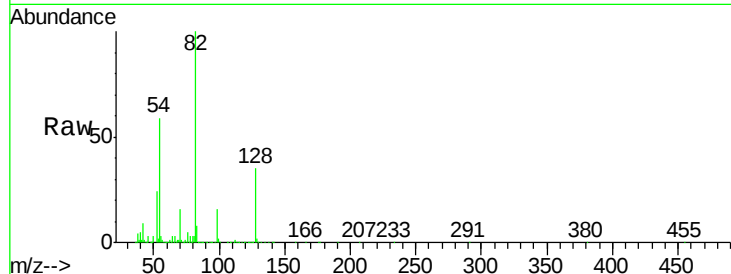
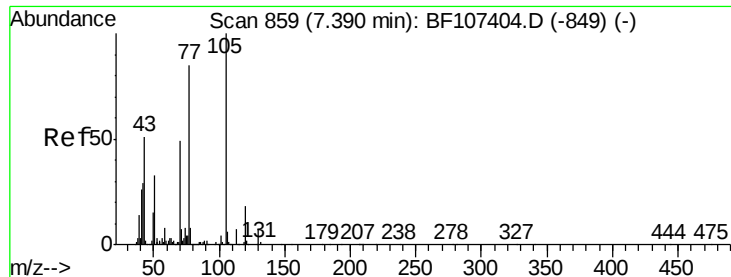
Ion Ratio Lower Upper

94 100

65 38.2 7.9 47.9

66 68.8 16.2 56.2#

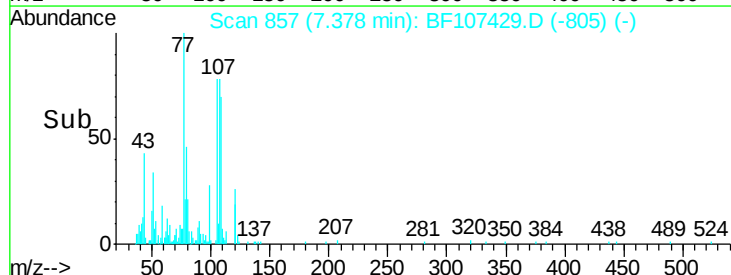
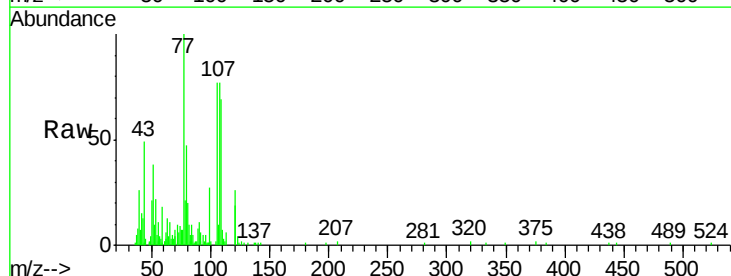
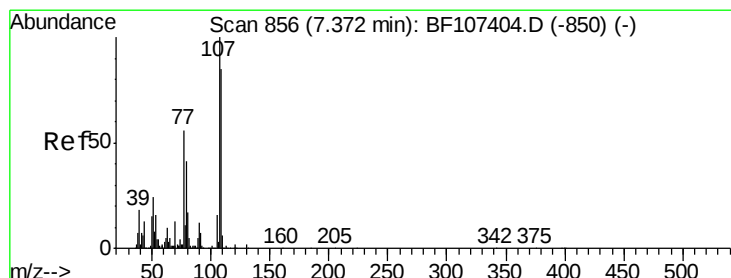
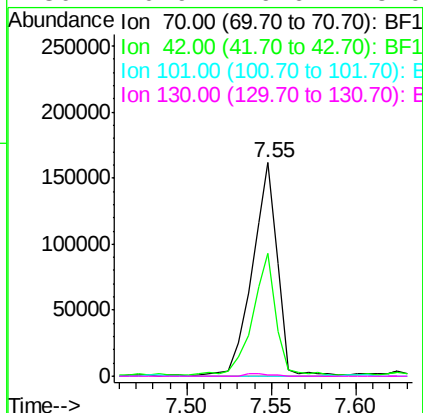




#19
n-Nitroso-di-n-propylamine
Concen: 17.369 ng
RT: 7.55 min Scan# 886
Delta R.T. 0.16 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

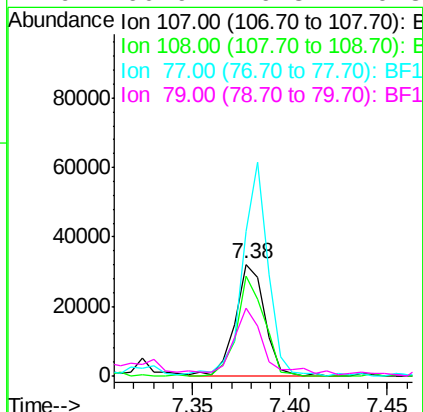
Instrument :
BNA_F
ClientSampled :
FM1041

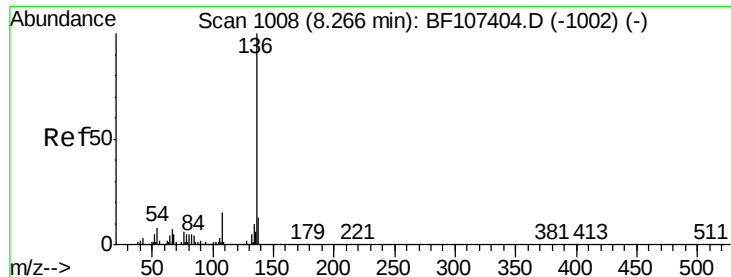
Tgt Ion:	70	Resp:	165825
Ion	Ratio	Lower	Upper
70	100		
42	57.8	47.5	71.3
101	0.0	7.4	11.2#
130	0.9	16.6	25.0#



#20
3+4-Methylphenols
Concen: 2.697 ng
RT: 7.38 min Scan# 857
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion:	107	Resp:	33977
Ion	Ratio	Lower	Upper
107	100		
108	89.6	68.2	108.2
77	129.3	26.7	66.7#
79	60.9	6.3	46.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

ClientSampleId :

FM1041

Tgt Ion:136 Resp: 543383

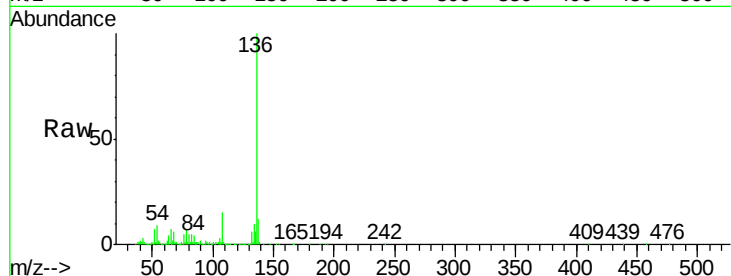
Ion Ratio Lower Upper

136 100

137 12.3 8.9 13.3

54 9.2 6.6 9.8

68 5.9 5.0 7.4

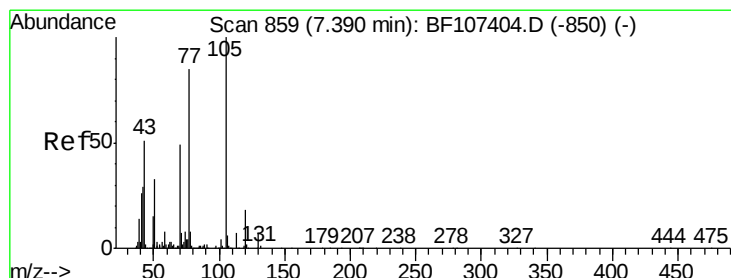
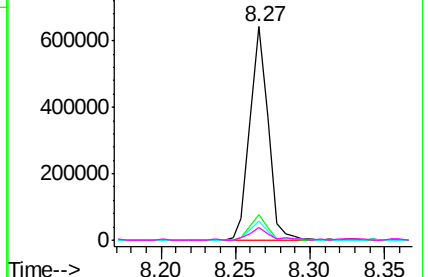
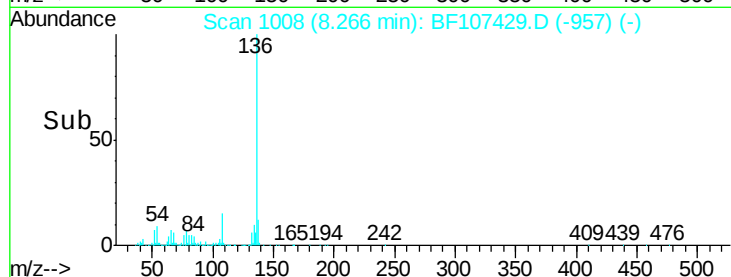


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.789 ng

RT: 7.38 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion:105 Resp: 41633

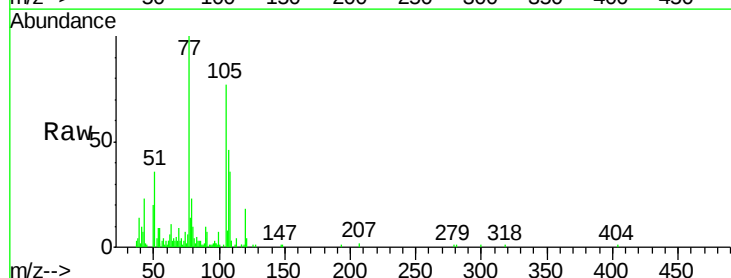
Ion Ratio Lower Upper

105 100

71 4.7 4.4 6.6

51 46.6 22.3 33.5#

120 23.6 16.9 25.3

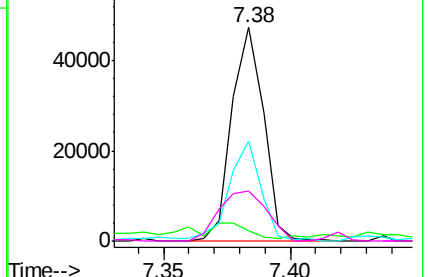
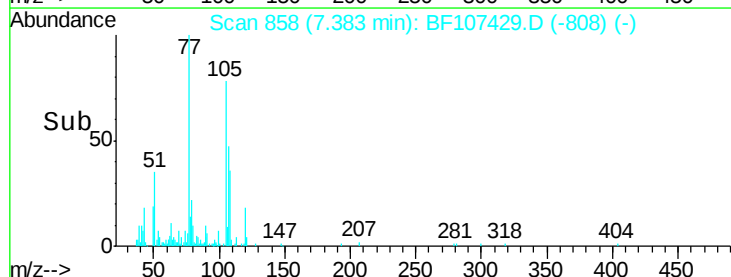


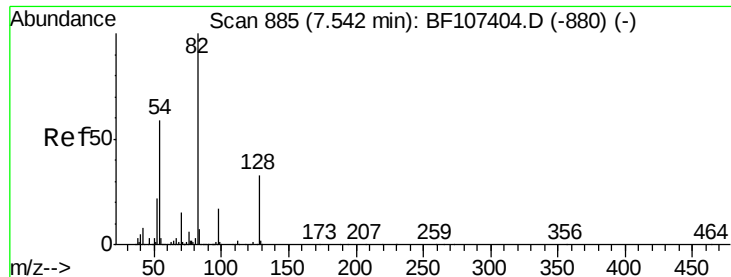
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

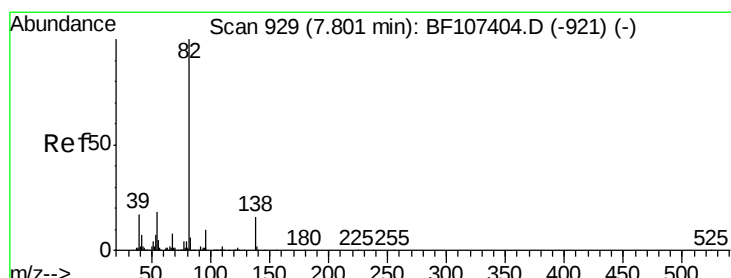
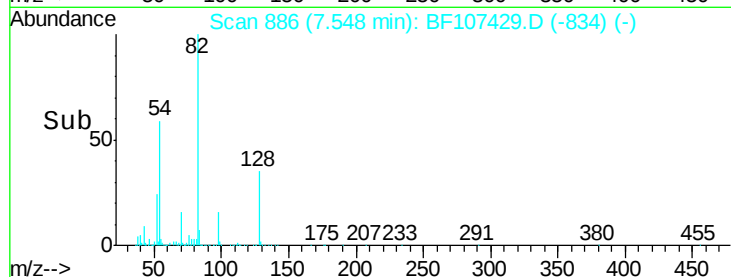
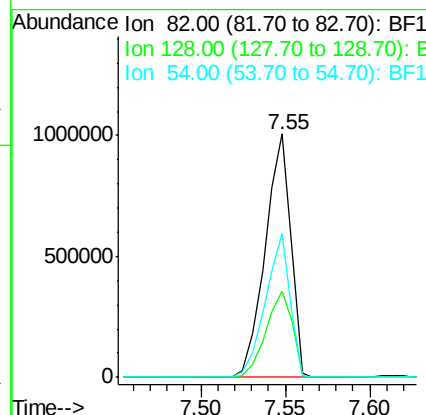
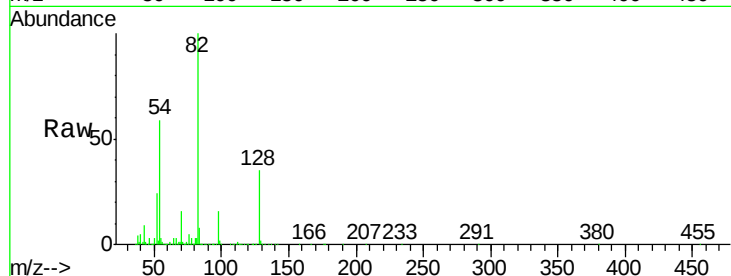




#23
Nitrobenzene-d5
Concen: 103.328 ng
RT: 7.55 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

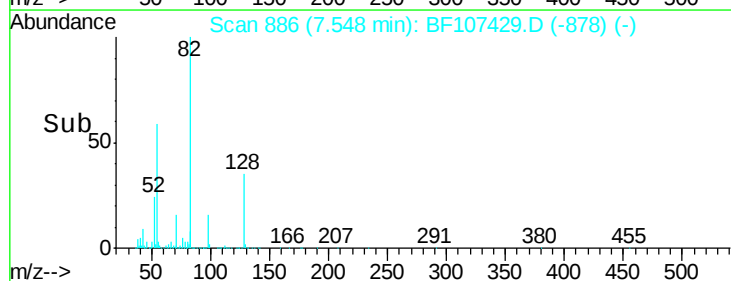
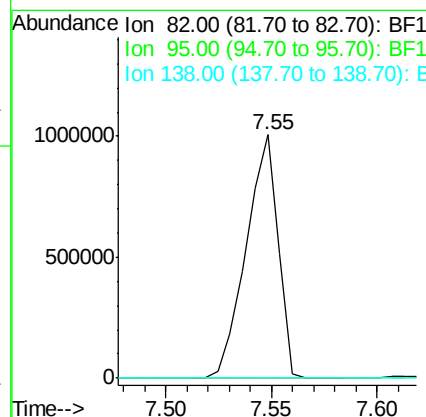
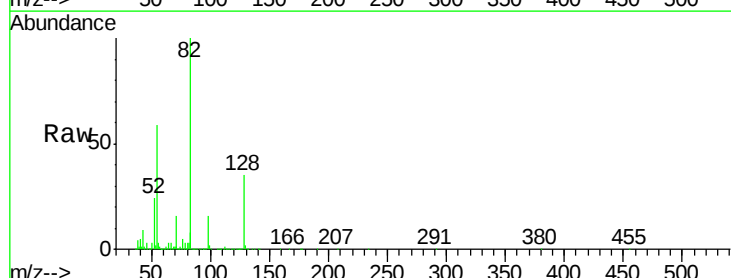
Instrument :
BNA_F
ClientSampleId :
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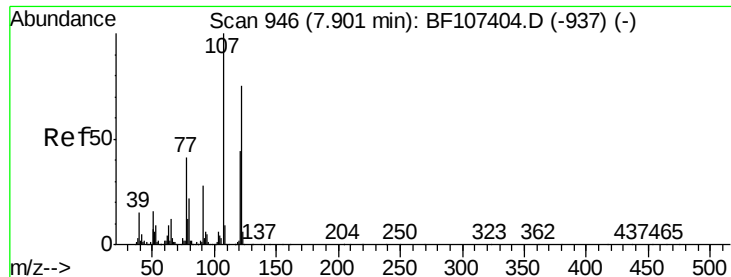
Tgt Ion: 82 Resp: 1052936
Ion Ratio Lower Upper
82 100
128 35.3 36.1 54.1#
54 59.0 41.4 62.2



#25
Isophorone
Concen: 51.968 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.25 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion: 82 Resp: 1049659
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#27

2,4-Dimethylphenol

Concen: 2.282 ng

RT: 7.92 min Scan# 949

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

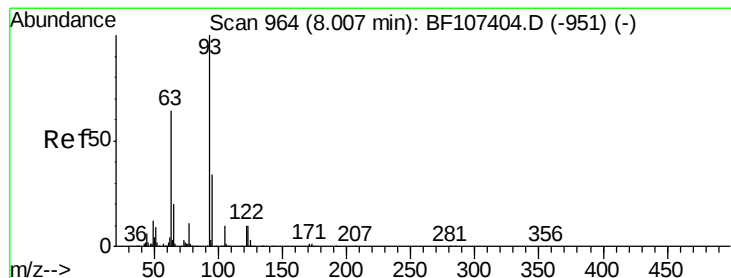
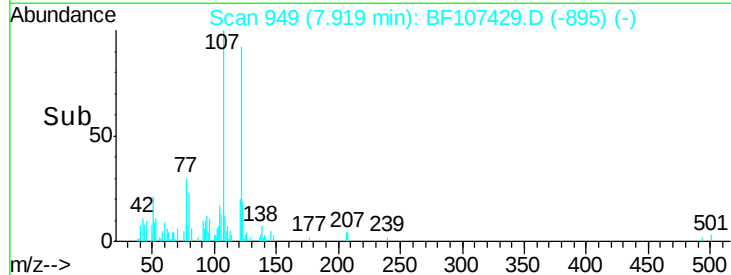
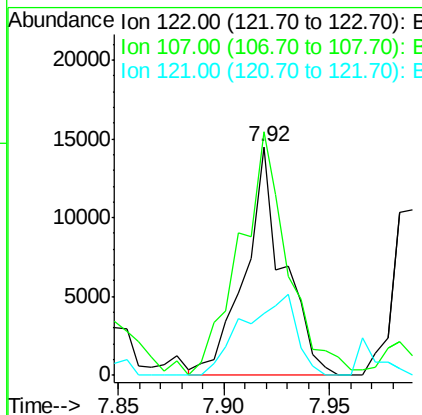
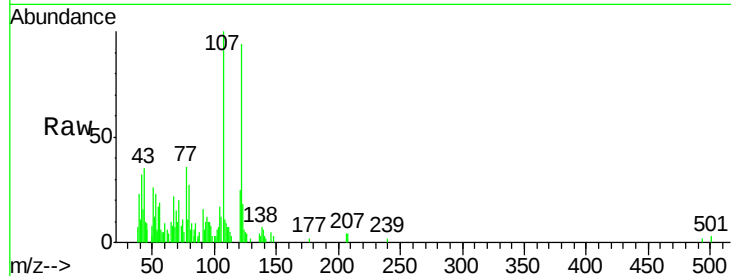
Instrument :

BNA_F

ClientSampleId :

FM1041

Tgt Ion	Ratio	Lower	Upper
122	100		
107	106.5	91.2	136.8
121	27.1	47.2	70.8#



#32

Benzoic acid

Concen: 28.868 ng

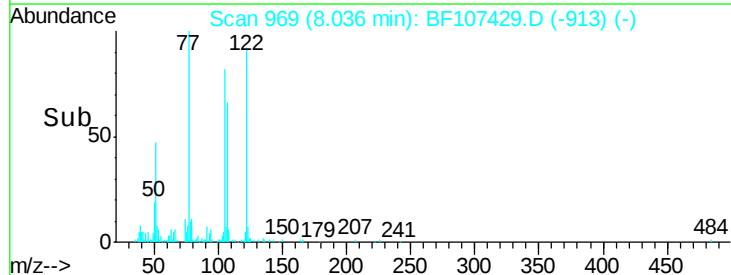
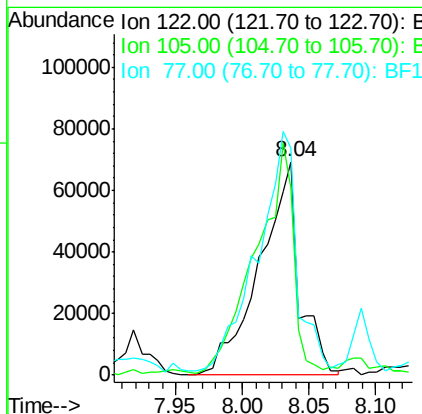
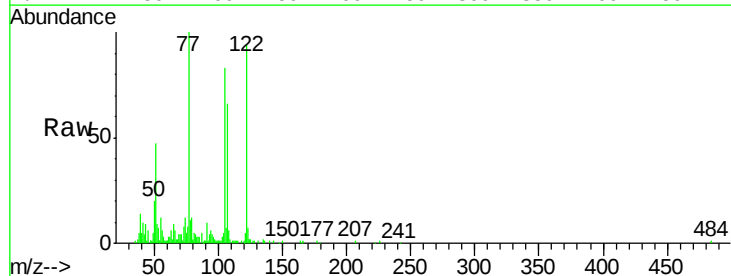
RT: 8.04 min Scan# 969

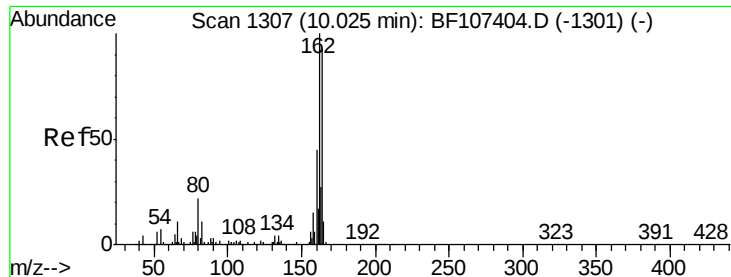
Delta R.T. 0.03 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	88.1	101.1	141.1#
77	106.7	70.7	110.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

ClientSampleId :

FM1041

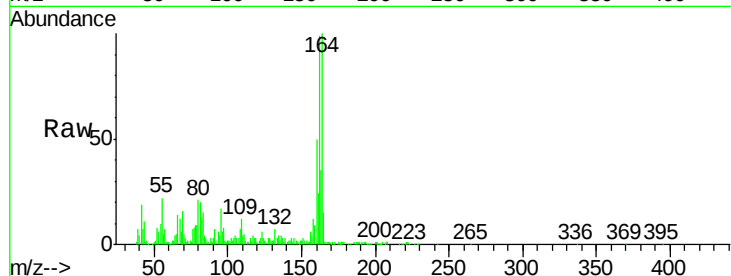
Tgt Ion:164 Resp: 233355

Ion Ratio Lower Upper

164 100

162 99.4 86.1 129.1

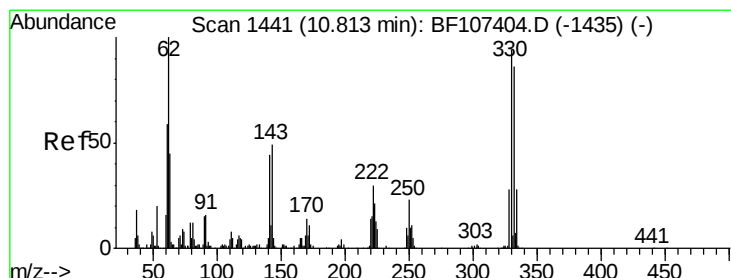
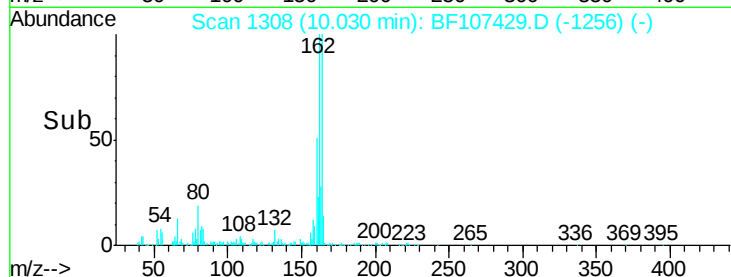
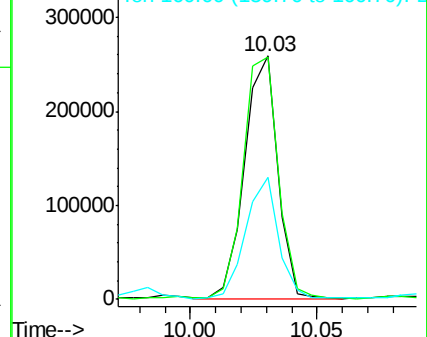
160 50.3 38.3 57.5



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: 97.813 ng

RT: 10.83 min Scan# 1444

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

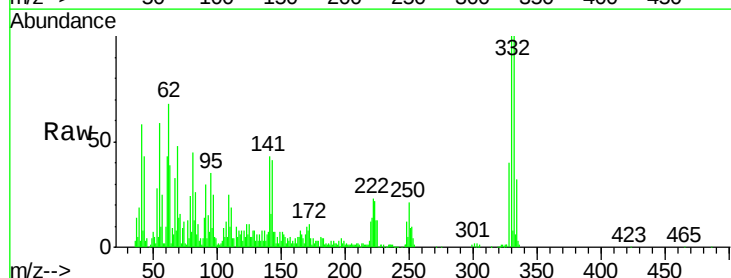
Tgt Ion:330 Resp: 200545

Ion Ratio Lower Upper

330 100

332 102.5 77.0 115.6

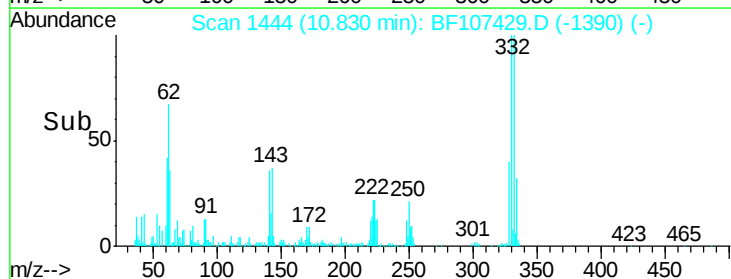
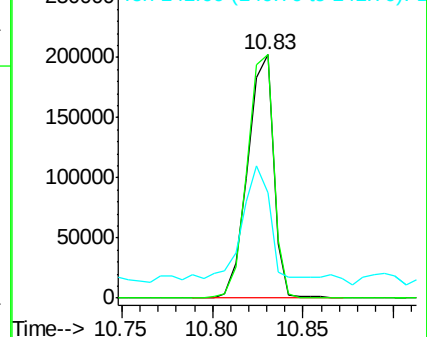
141 50.7 29.9 44.9#

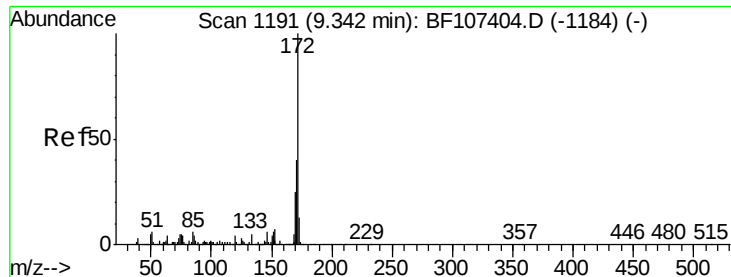


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

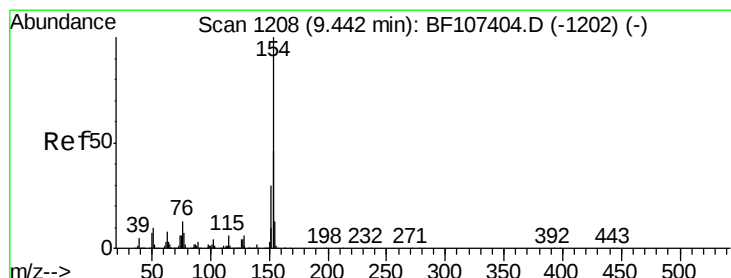
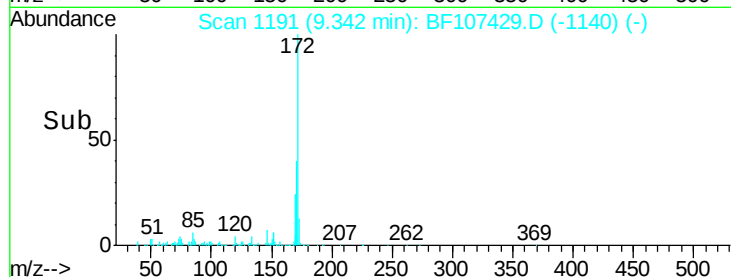
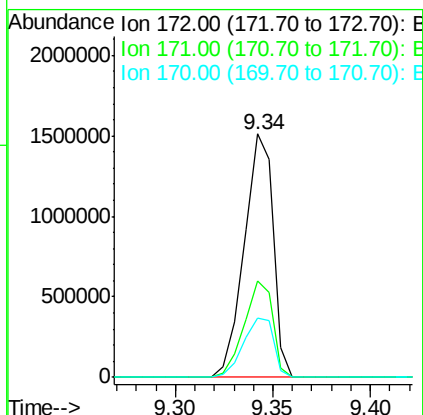
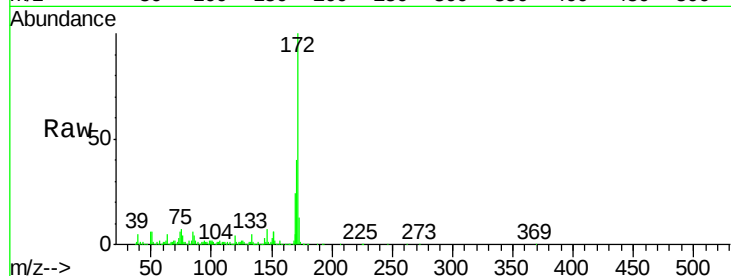




#44
2-Fluorobiphenyl
Concen: 114.524 ng
RT: 9.34 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

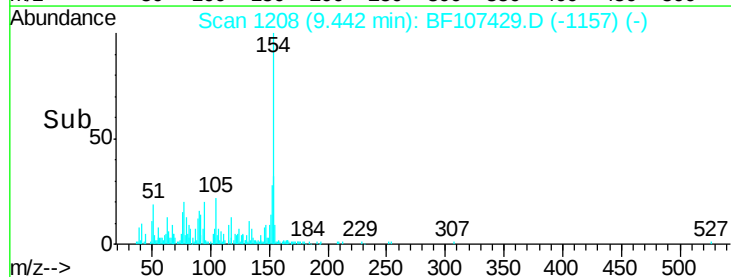
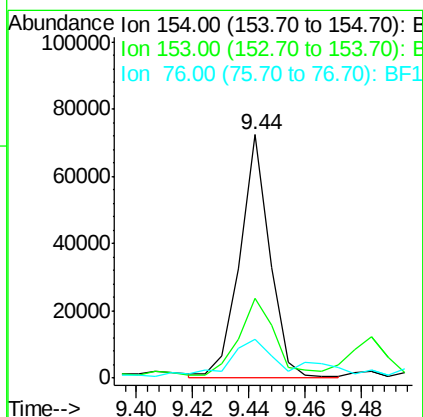
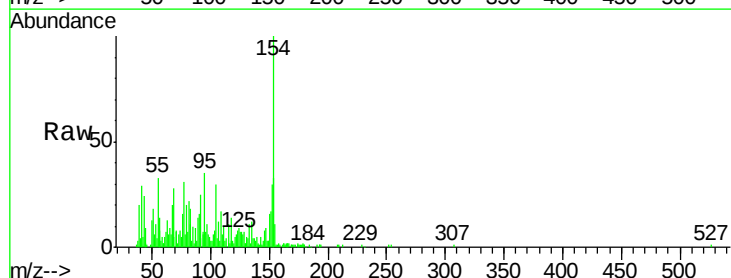
Instrument :
BNA_F
ClientSampleId :
FM1041

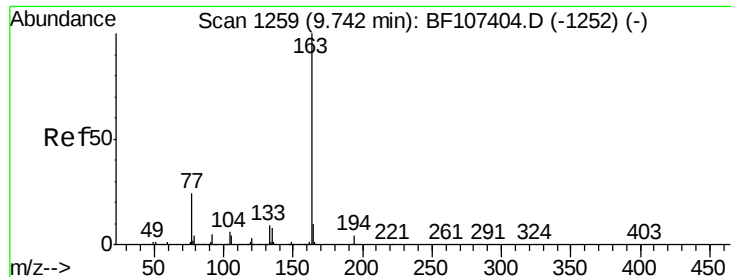
Tgt Ion:172 Resp: 1550148
Ion Ratio Lower Upper
172 100
171 39.6 29.7 44.5
170 24.5 19.6 29.4



#45
1,1'-Biphenyl
Concen: 2.639 ng
RT: 9.44 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion:154 Resp: 53239
Ion Ratio Lower Upper
154 100
153 32.5 21.3 61.3
76 16.1 0.0 34.0

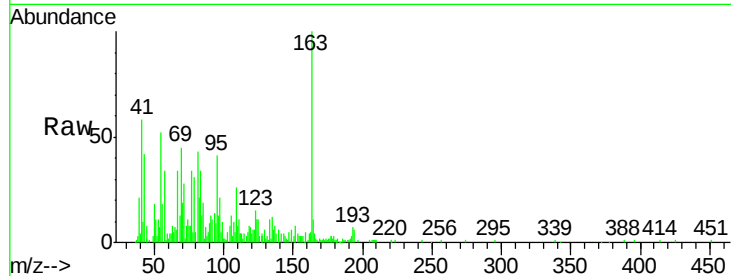




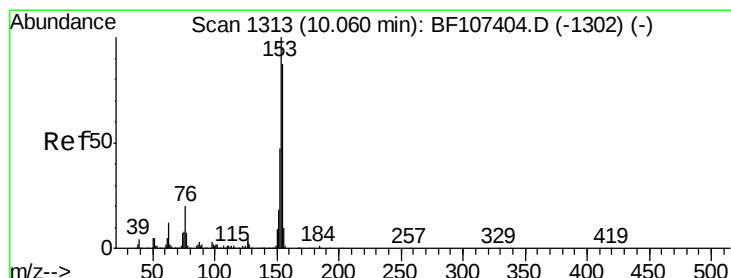
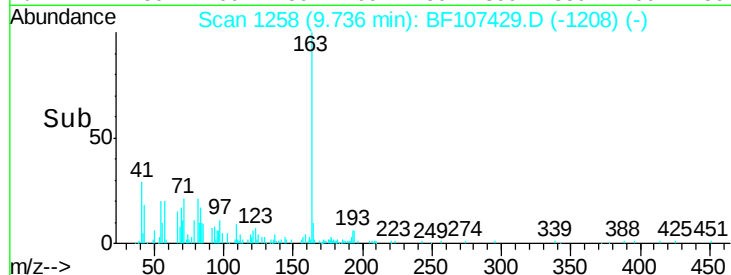
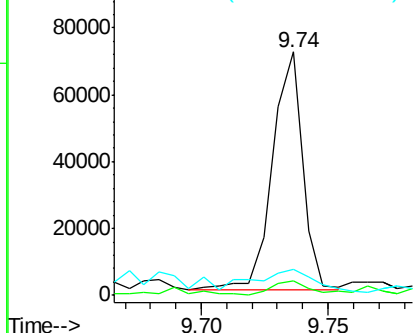
#49
Dimethylphthalate
Concen: 3.183 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Instrument :
BNA_F
ClientSampleId :
FM1041

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.0	2.7	4.1#
164	10.9	8.2	12.2

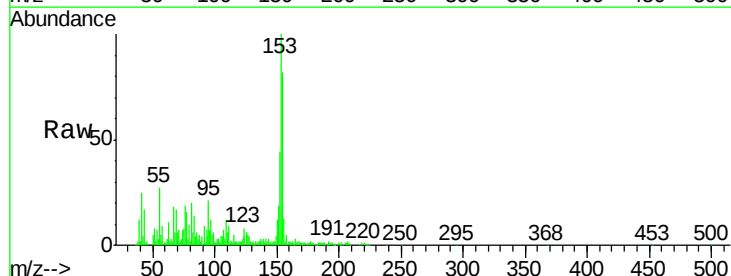


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

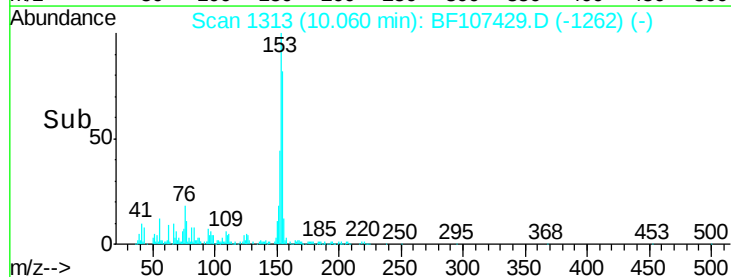
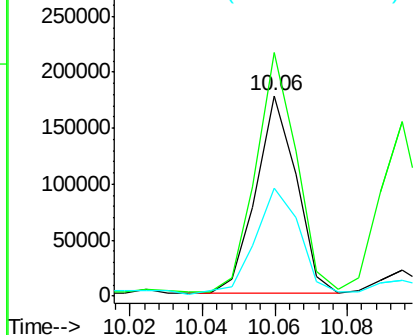


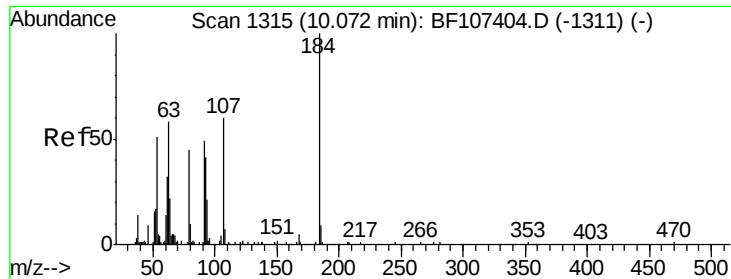
#51
Acenaphthene
Concen: 9.308 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF107429.D
Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.6	91.2	136.8
152	53.8	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 4.753 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

ClientSampleId :

FM1041

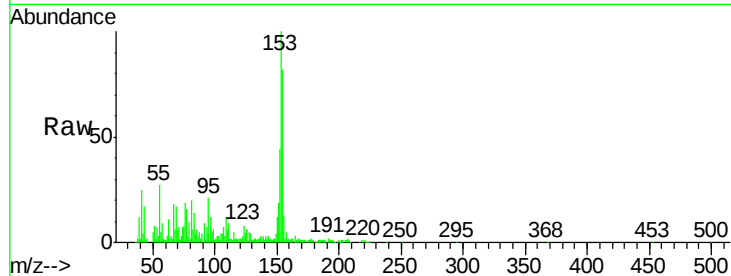
Tgt Ion:184 Resp: 2168

Ion Ratio Lower Upper

184 100

63 1157.1 54.2 81.2#

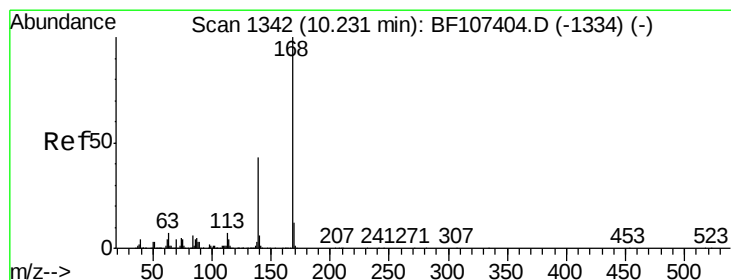
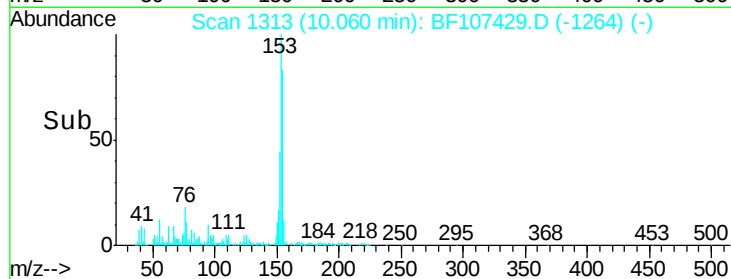
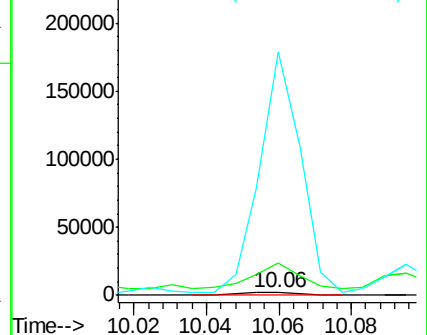
154 8649.9 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 6.849 ng

RT: 10.23 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

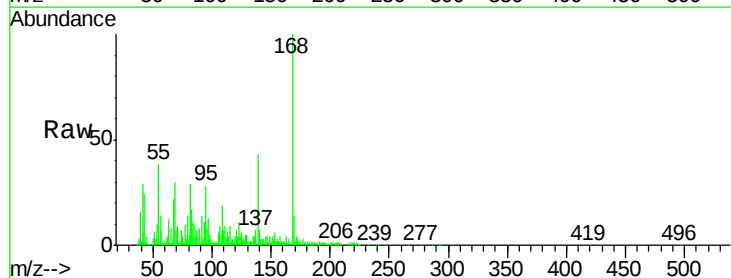
Tgt Ion:168 Resp: 156021

Ion Ratio Lower Upper

168 100

139 43.2 30.1 45.1

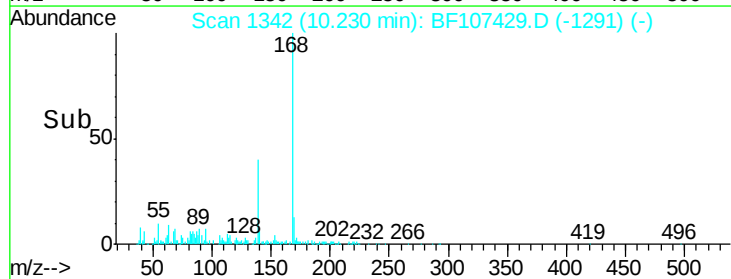
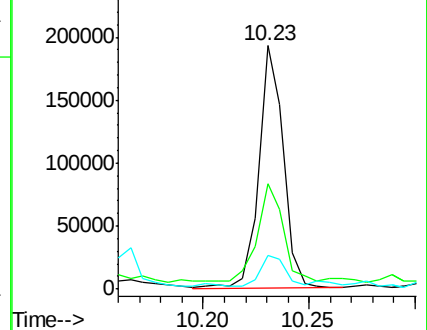
169 13.7 10.9 16.3

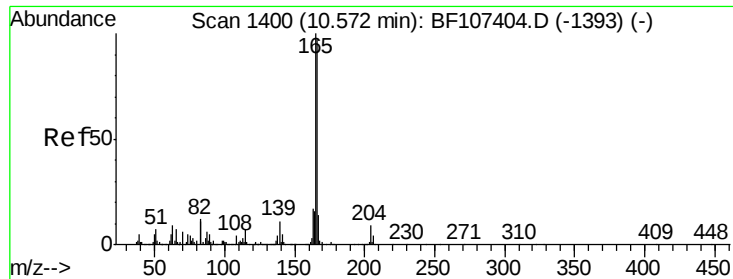


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

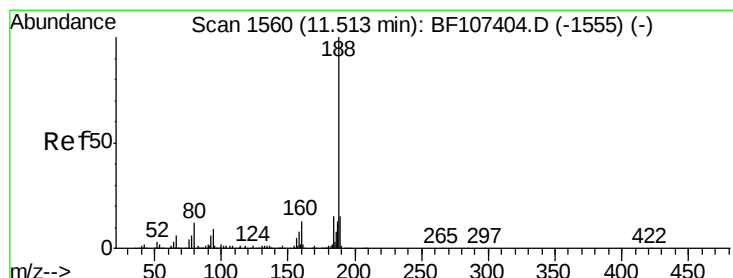
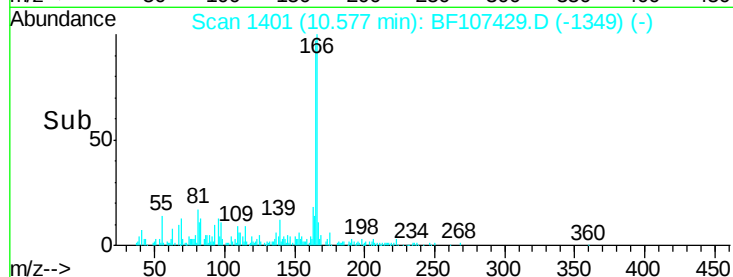
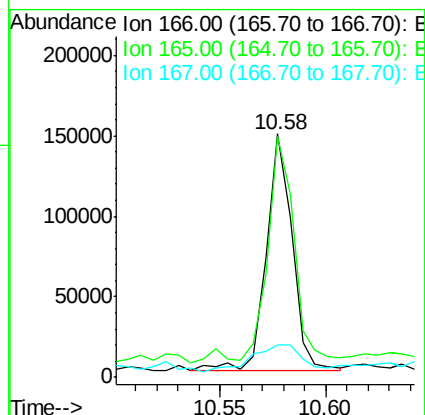
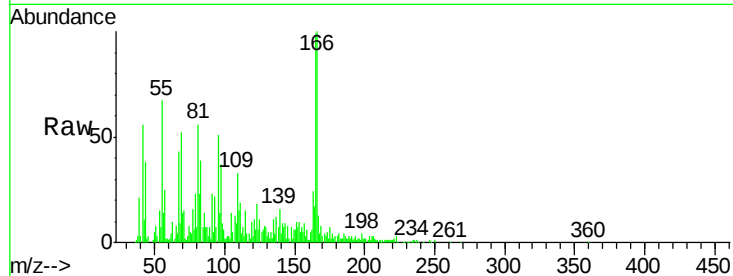




#57
Fluorene
 Concen: 8.350 ng
 RT: 10.58 min Scan# 1401
 Delta R.T. 0.01 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

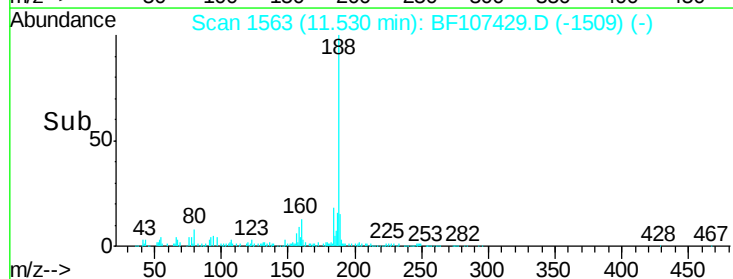
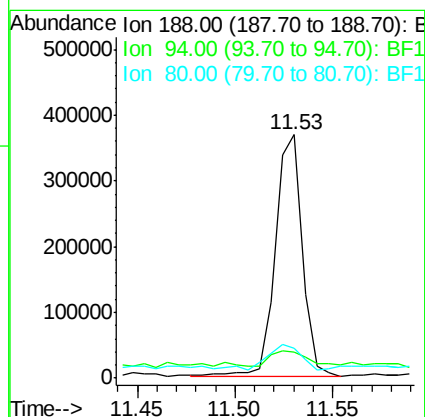
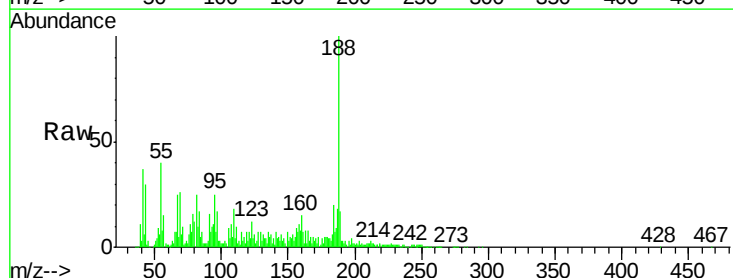
Instrument :
 BNA_F
 ClientSampleId :
 FM1041

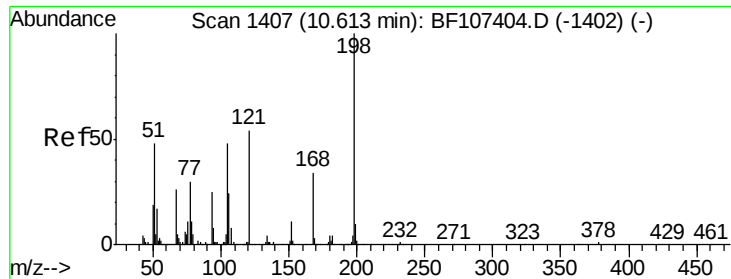
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	13.3	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. 0.02 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	12.1	9.2	13.8

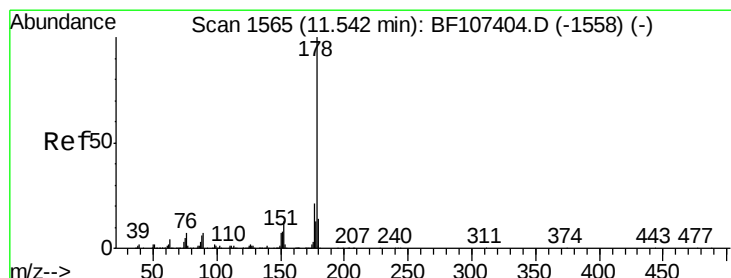
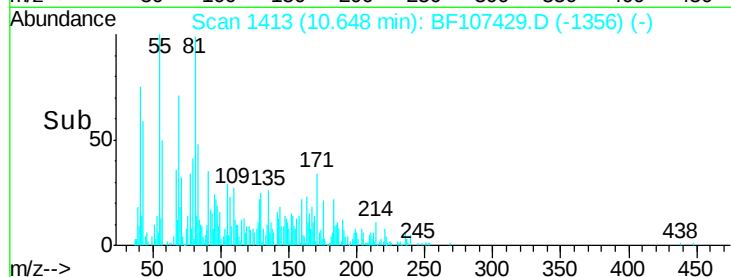
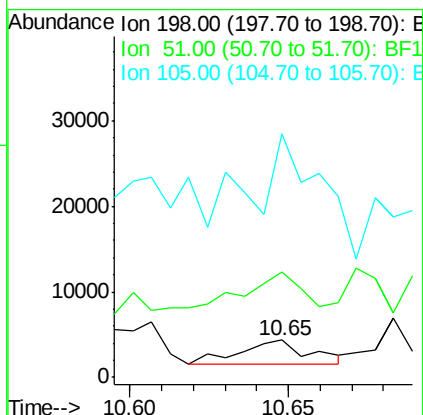
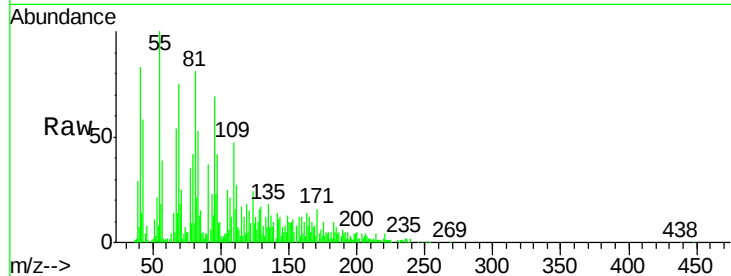




#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.402 ng
 RT: 10.65 min Scan# 1413
 Delta R.T. 0.04 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

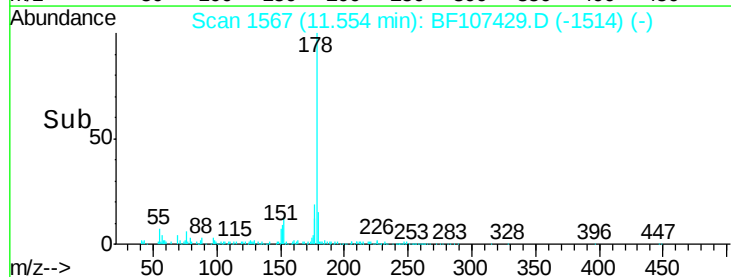
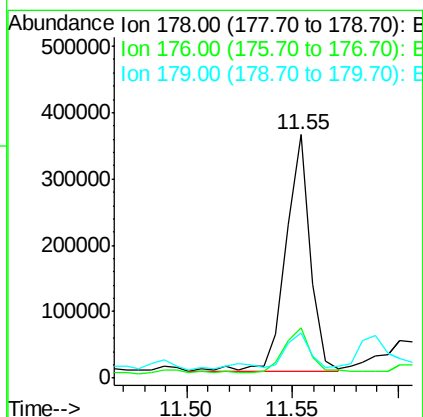
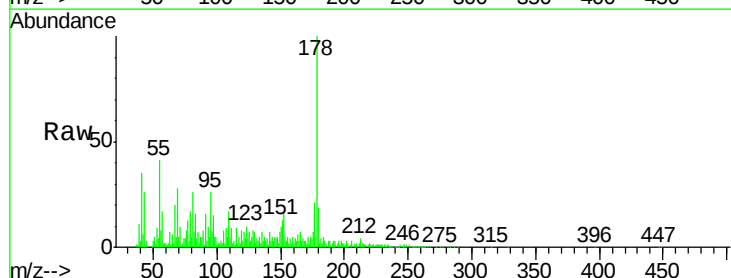
Instrument :
 BNA_F
 ClientSampleId :
 FM1041

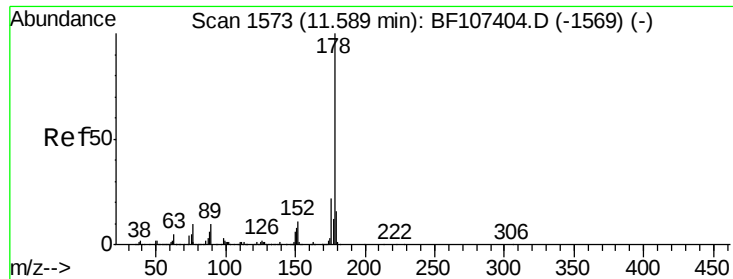
Tgt Ion:198 Resp: 4230
 Ion Ratio Lower Upper
 198 100
 51 283.6 37.7 77.7#
 105 656.0 36.3 76.3#



#70
 Phenanthrene
 Concen: 16.706 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

Tgt Ion:178 Resp: 289942
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.8 23.8
 179 18.6 13.0 19.6

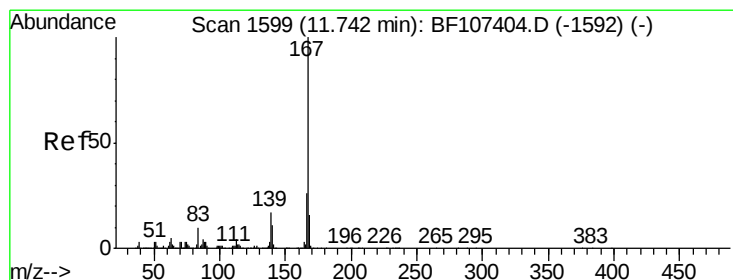
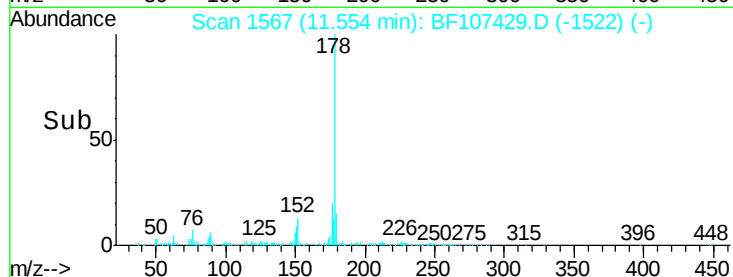
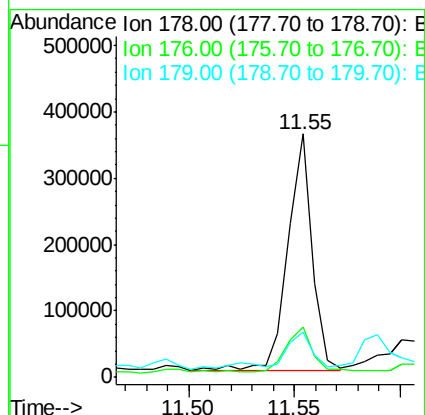
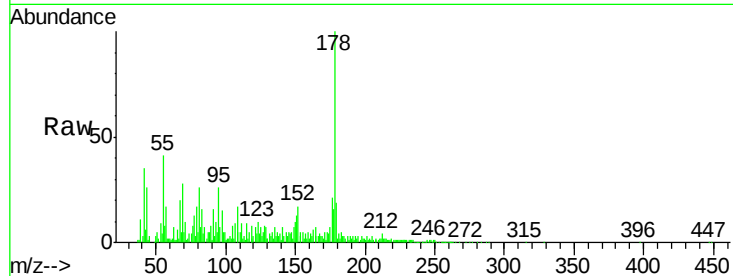




#71
 Anthracene
 Concen: 16.773 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.04 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

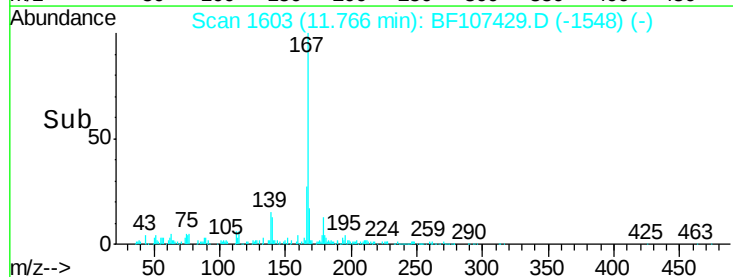
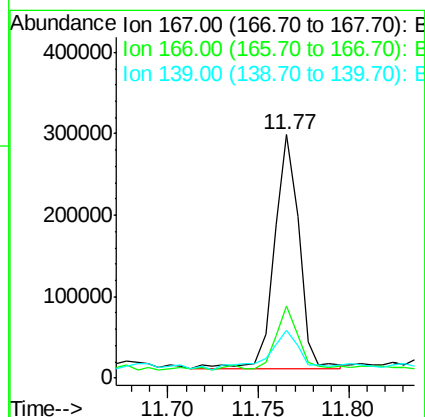
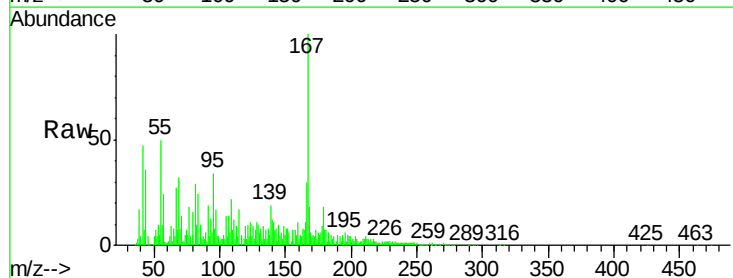
Instrument :
 BNA_F
 ClientSampleId :
 FM1041

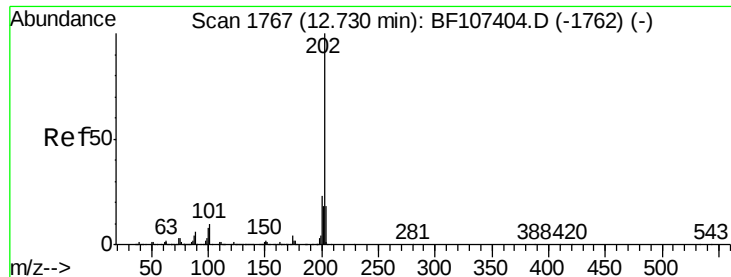
Tgt Ion:178 Resp: 289942
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.4 23.2
 179 18.6 12.6 19.0



#72
 Carbazole
 Concen: 16.590 ng
 RT: 11.77 min Scan# 1603
 Delta R.T. 0.02 min
 Lab File: BF107429.D
 Acq: 17 Jul 2018 3:26

Tgt Ion:167 Resp: 271502
 Ion Ratio Lower Upper
 167 100
 166 29.6 17.6 26.4#
 139 19.4 10.9 16.3#





#74

Fluoranthene

Concen: 5.037 ng

RT: 12.75 min Scan# 1770

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

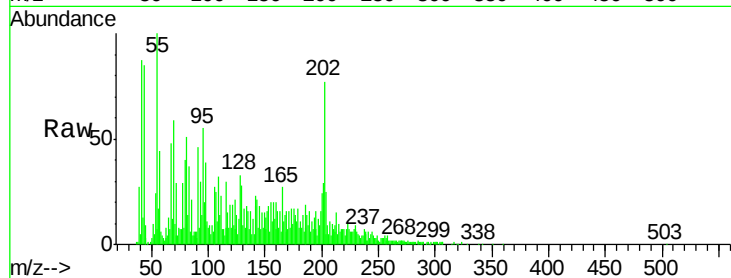
Instrument :

BNA_F

ClientSampleId :

FM1041

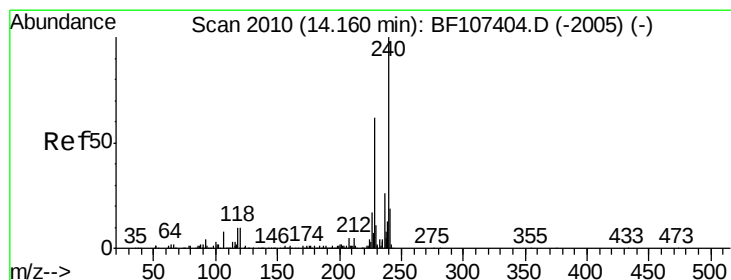
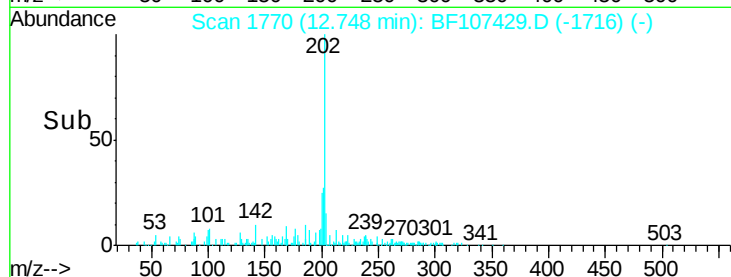
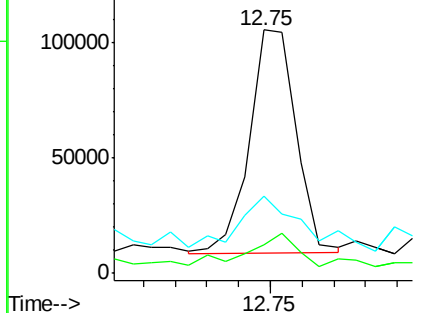
Tgt Ion:	202	Resp:	99356
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	31.9	0.0	38.1



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

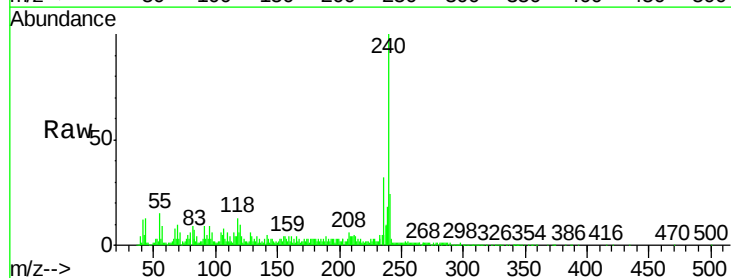
RT: 14.18 min Scan# 2014

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

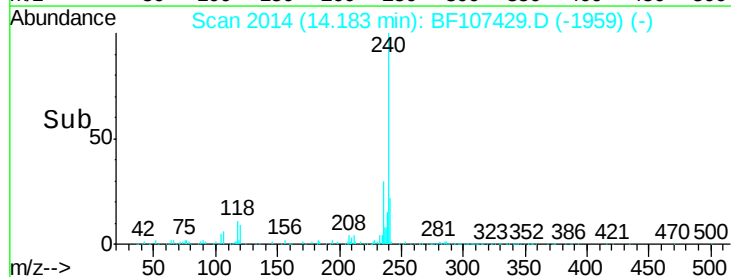
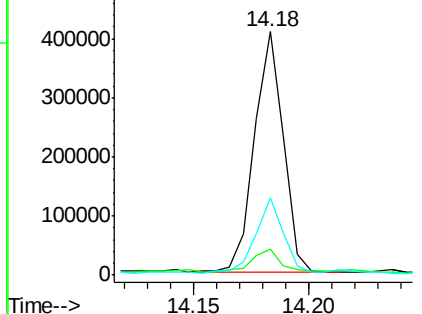
Tgt Ion:	240	Resp:	357751
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	31.5	20.7	31.1#

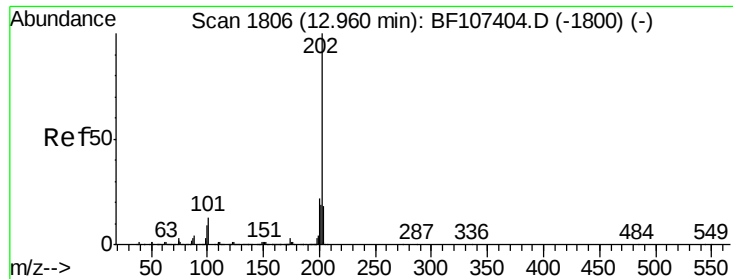


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.729 ng

RT: 12.98 min Scan# 1810

Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

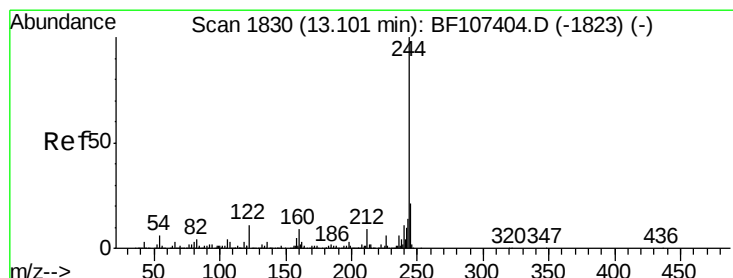
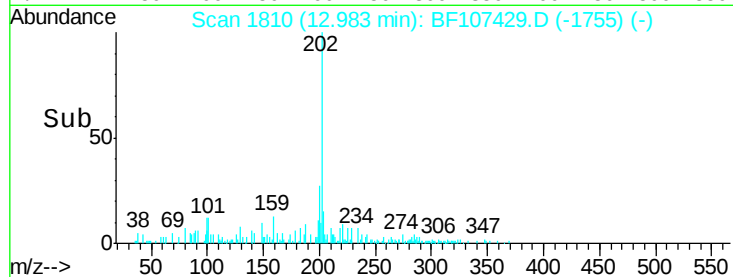
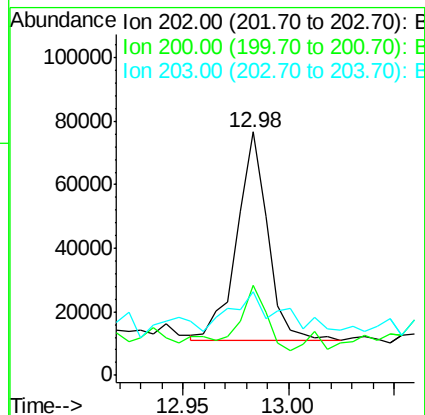
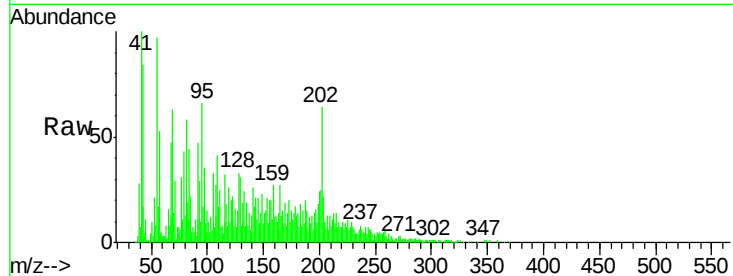
Instrument :

BNA_F

ClientSampleId :

FM1041

Tgt Ion:	202	Resp:	66391
Ion	Ratio	Lower	Upper
202	100		
200	37.1	17.4	26.2#
203	34.4	14.3	21.5#



#78

Terphenyl-d14

Concen: 89.251 ng

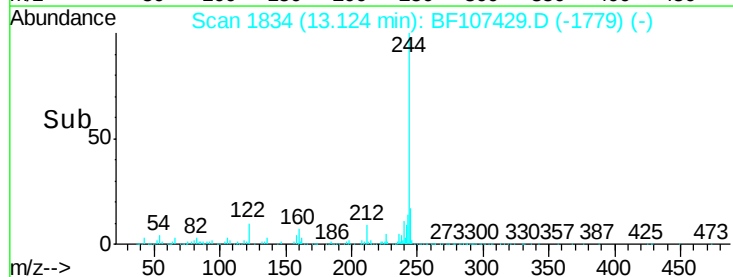
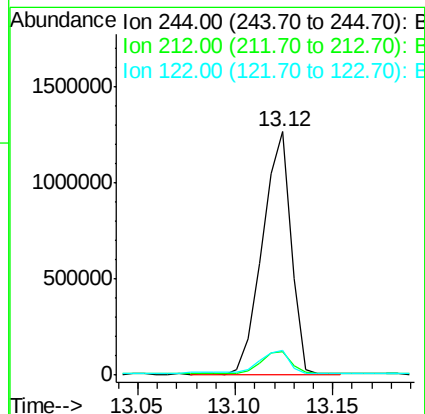
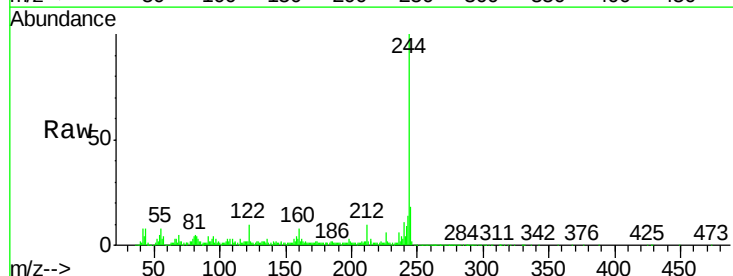
RT: 13.12 min Scan# 1834

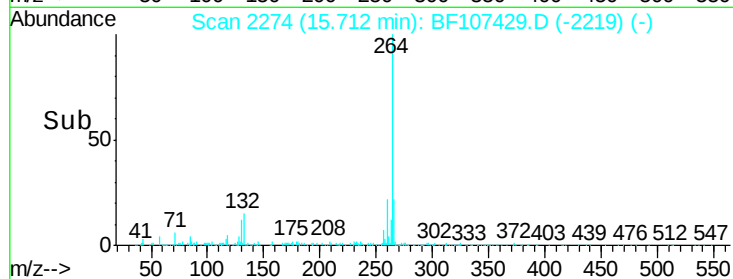
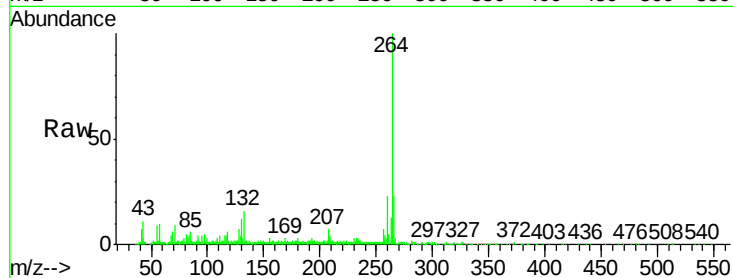
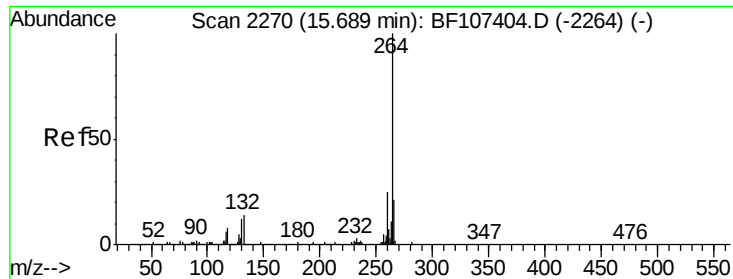
Delta R.T. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Tgt Ion:	244	Resp:	1285107
Ion	Ratio	Lower	Upper
244	100		
212	9.6	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. 0.02 min

Lab File: BF107429.D

Acq: 17 Jul 2018 3:26

Instrument :

BNA_F

ClientSampleId :

FM1041

Tgt Ion:264 Resp: 261580

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.6 17.5 26.3

