

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
 Data File : BF108483.D
 Acq On : 25 Aug 2018 00:18
 Operator : JU/SJ
 Sample : J4594-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-3-RO

Quant Time: Aug 25 02:09:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

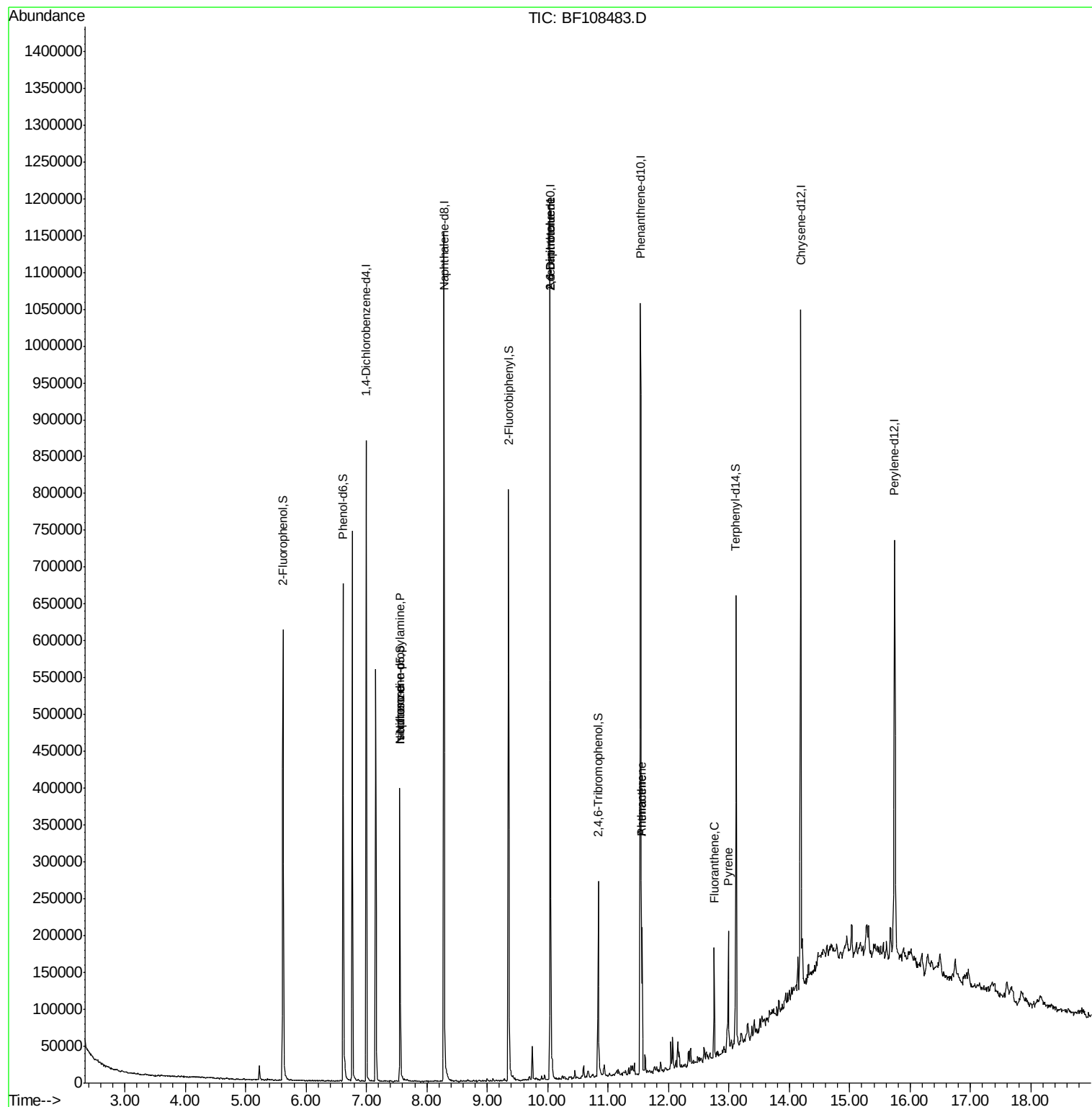
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	127445	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	493194	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	236755	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	407552	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	287199	20.00	ng	-0.01
86) Perylene-d12	15.74	264	291888	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	151236	21.48	ng	-0.01
7) Phenol-d6	6.61	99	206641	22.09	ng	-0.02
23) Nitrobenzene-d5	7.55	82	131569	14.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	37392	15.83	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	256513	17.39	ng	-0.01
78) Terphenyl-d14	13.12	244	188960	16.73	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.55	70	16877	2.668	ng	# 86
25) Isophorone	7.55	82	131567	7.810	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	29372	8.513	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	29373	6.613	ng	# 23
70) Phenanthrene	11.56	178	87382	4.546	ng	96
71) Anthracene	11.56	178	87382	4.435	ng	97
74) Fluoranthene	12.75	202	62047	2.958	ng	96
77) Pyrene	12.99	202	66985	3.684	ng	99

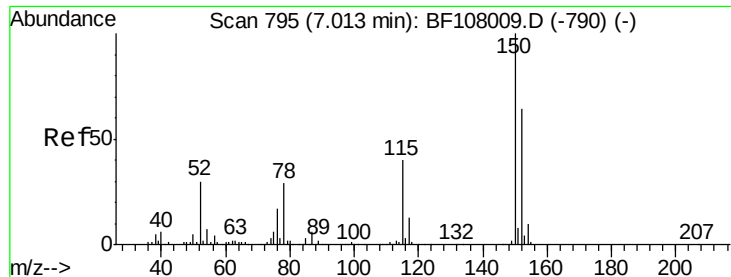
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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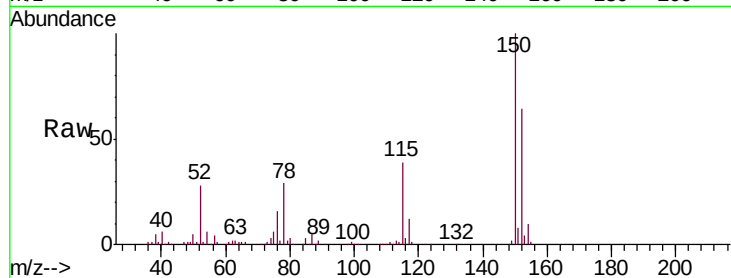


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108483.D
Acq: 25 Aug 2018 00:18

Instrument :
BNA_F
ClientSampleId :
1-3-RO

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.7	50.1	75.1

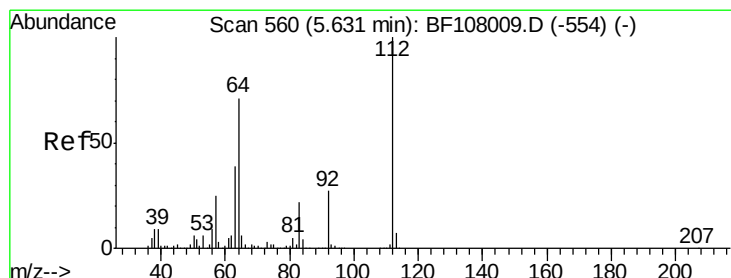
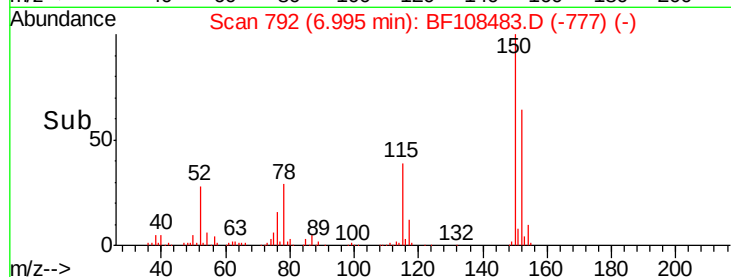
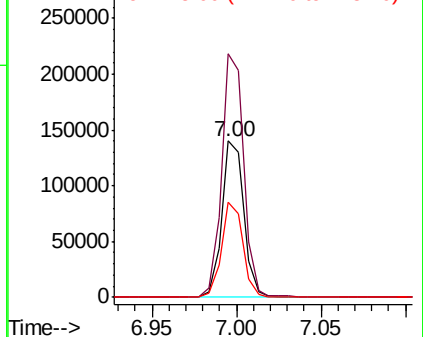


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

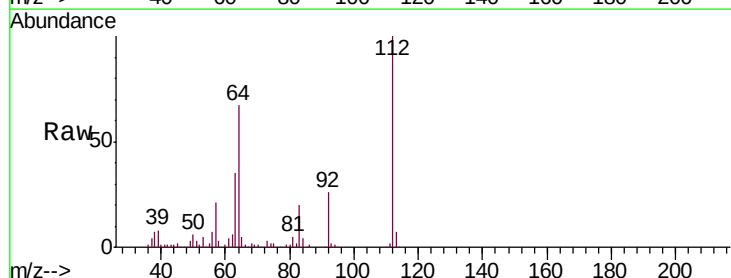
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.484 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108483.D
Acq: 25 Aug 2018 00:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	47.9	71.9
63	34.5	23.7	35.5

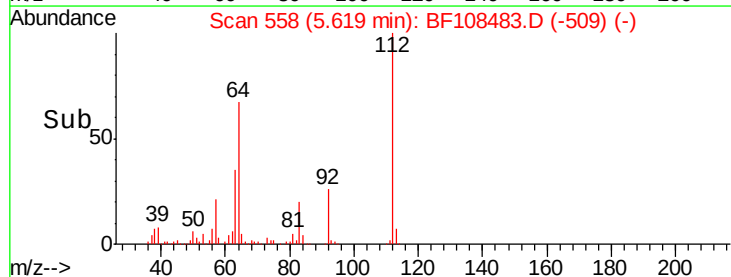
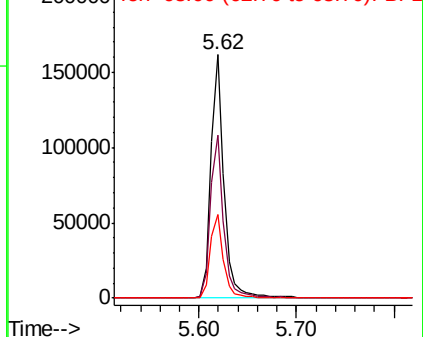


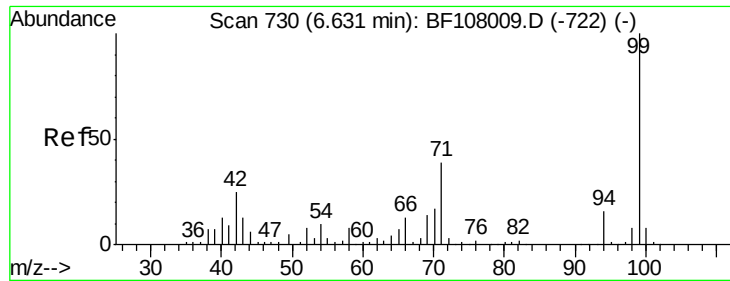
Abundance

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: 22.090 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

Instrument :

BNA_F

ClientSampleId :

1-3-RO

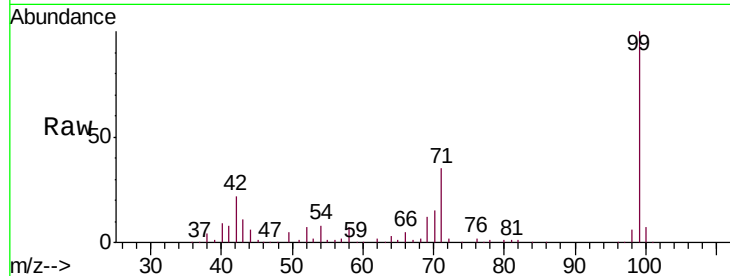
Tgt Ion: 99 Resp: 206641

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

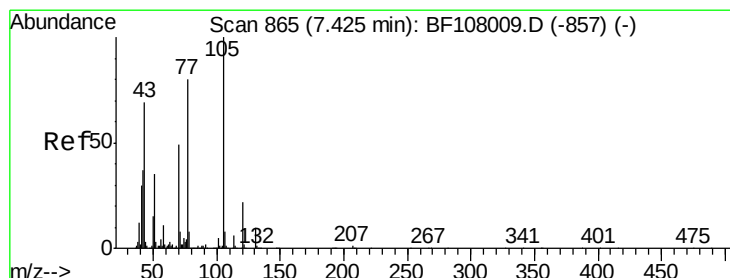
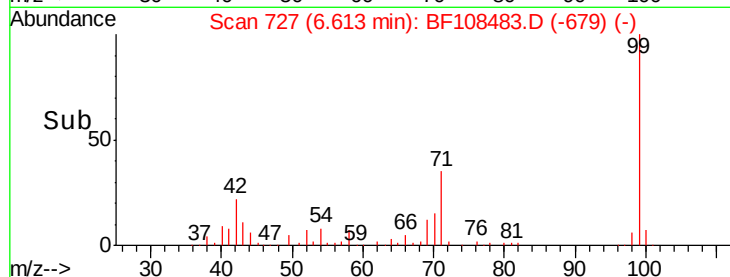
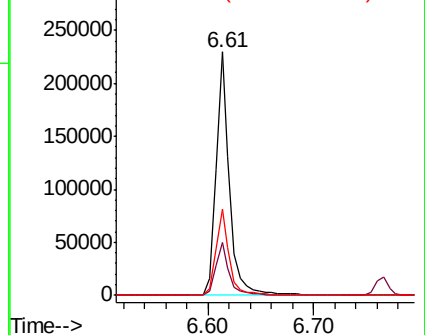
71 35.4 25.4 38.0



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: 2.668 ng

RT: 7.55 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

Tgt Ion: 70 Resp: 16877

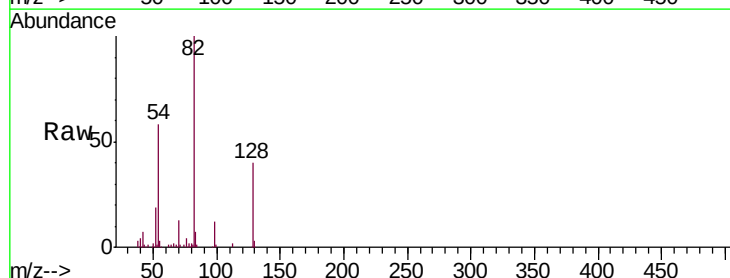
Ion Ratio Lower Upper

70 100

42 56.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

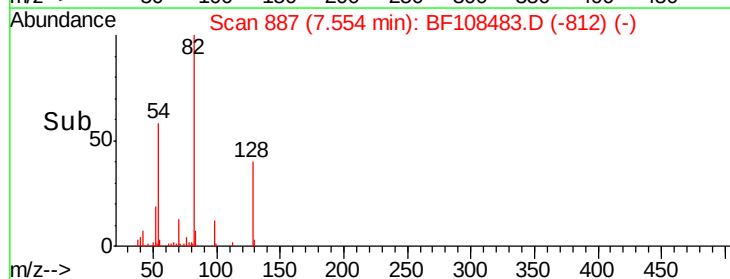
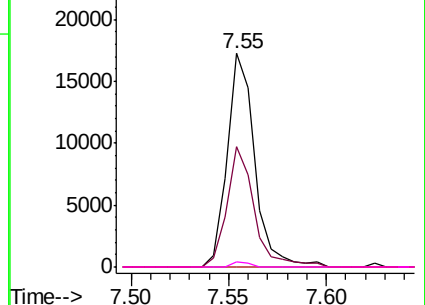


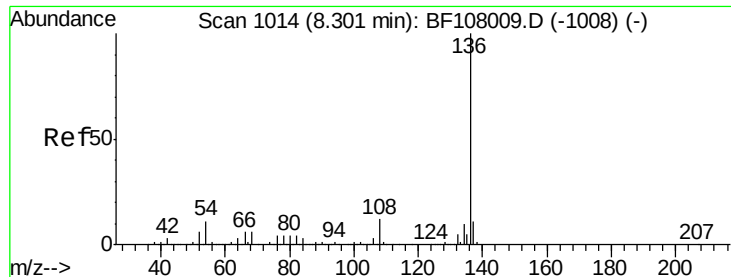
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

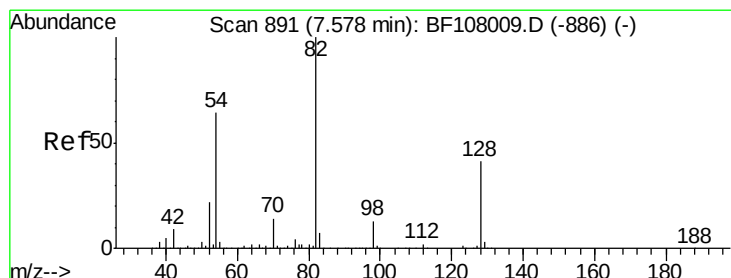
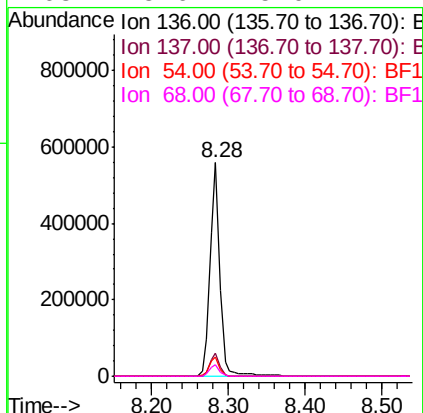
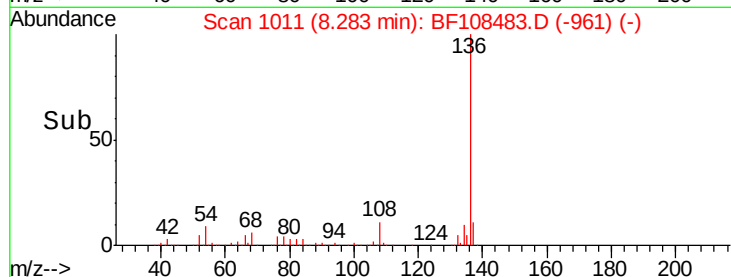
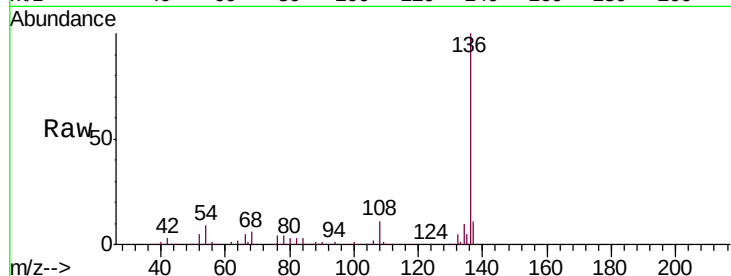




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108483.D
Acq: 25 Aug 2018 00:18

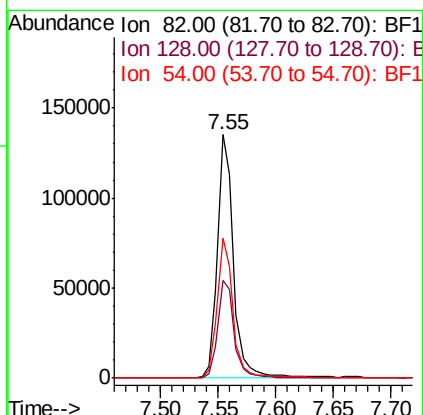
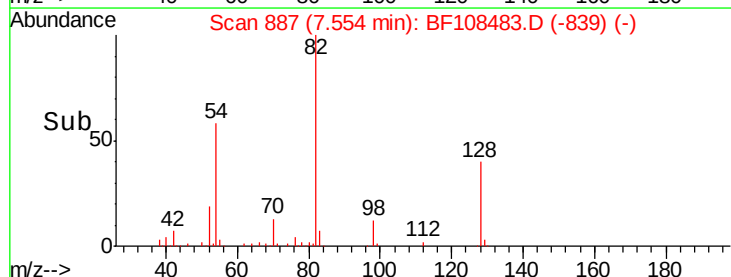
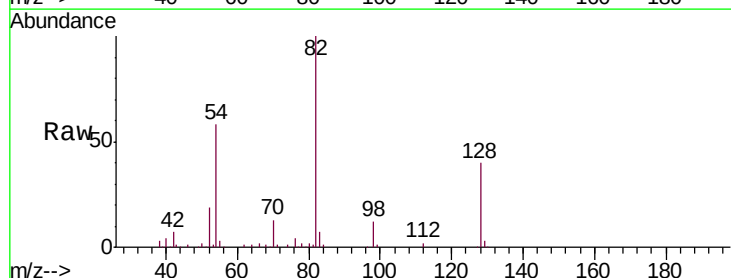
Instrument :
BNA_F
ClientSampleId :
1-3-RO

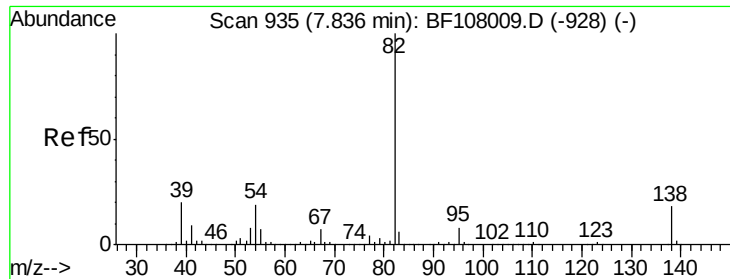
Tgt Ion:	136	Resp:	493194
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.3	6.6	9.8
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 14.886 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108483.D
Acq: 25 Aug 2018 00:18

Tgt Ion:	82	Resp:	131569
Ion	Ratio	Lower	Upper
82	100		
128	40.2	36.1	54.1
54	57.6	41.4	62.2





#25

Isophorone

Concen: 7.810 ng

RT: 7.55 min Scan# 887

Delta R.T. -0.27 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

Instrument :

BNA_F

ClientSampleId :

1-3-RO

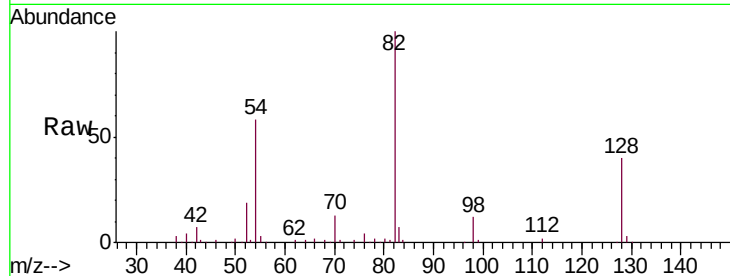
Tgt Ion: 82 Resp: 131567

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

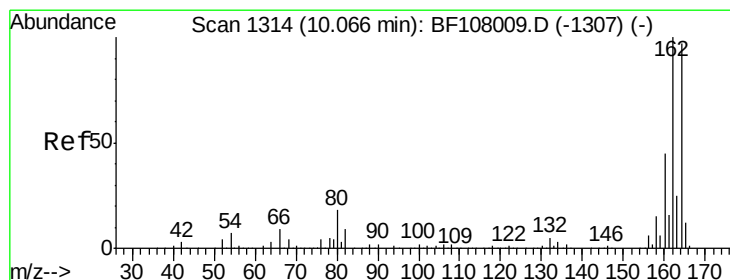
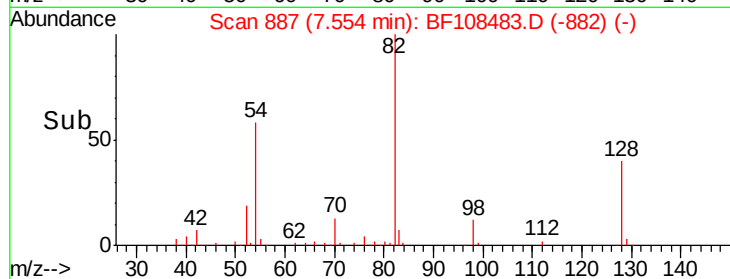
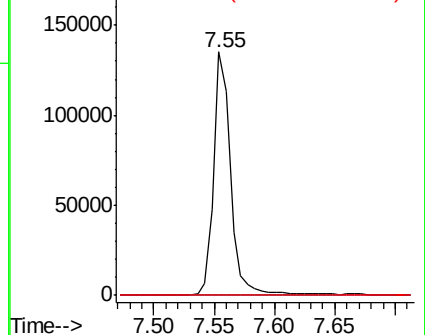
138 0.0 14.9 22.3#



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

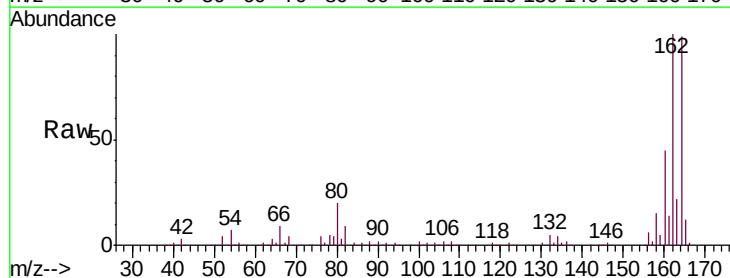
Tgt Ion: 164 Resp: 236755

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

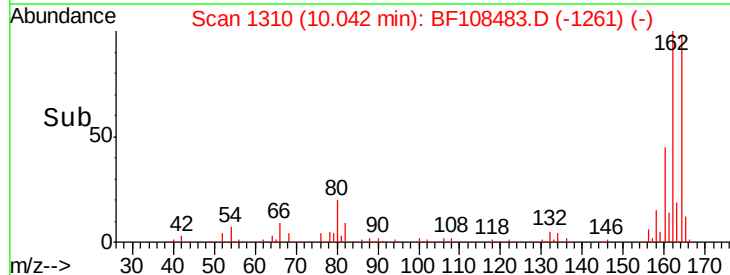
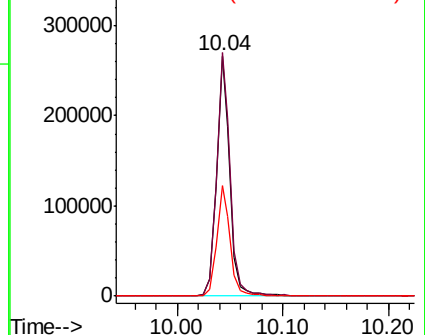
160 46.0 38.3 57.5

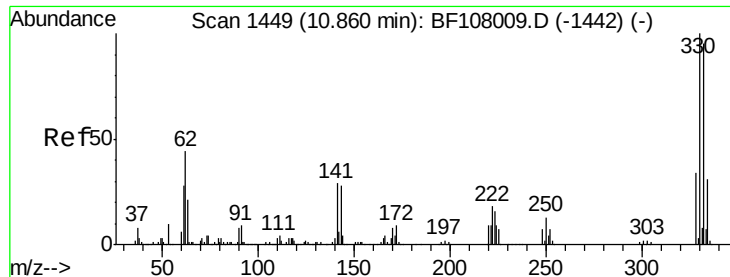


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

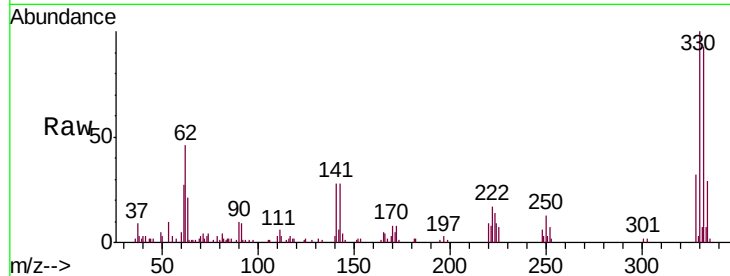




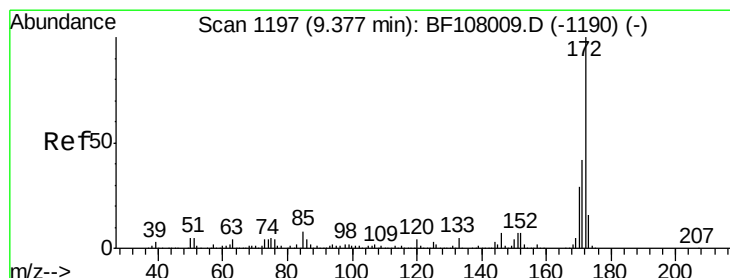
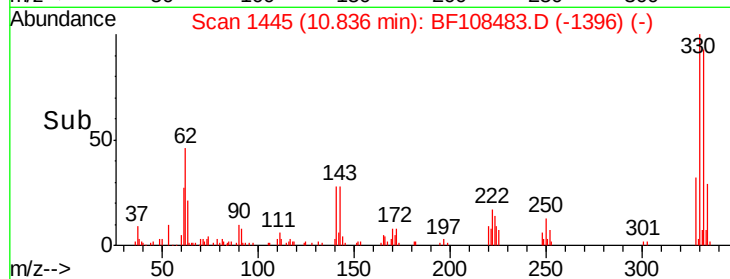
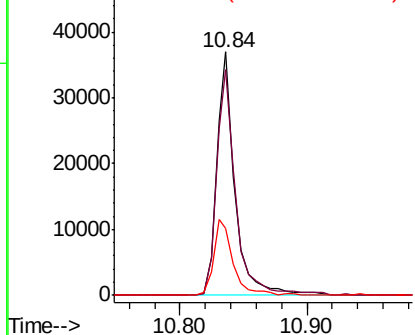
#41
 2,4,6-Tribromophenol
 Concen: 15.834 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108483.D
 Acq: 25 Aug 2018 00:18

Instrument :
 BNA_F
 ClientSampleId :
 1-3-RO

Tgt Ion:330 Resp: 37392
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 32.9 29.9 44.9

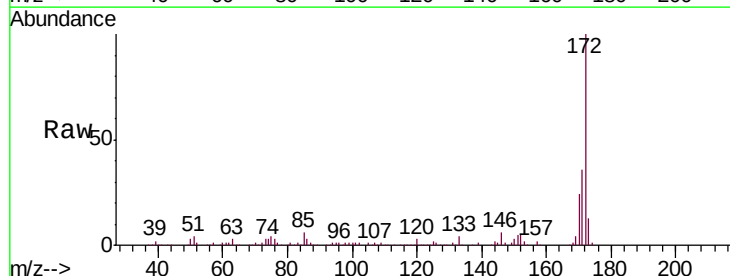


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

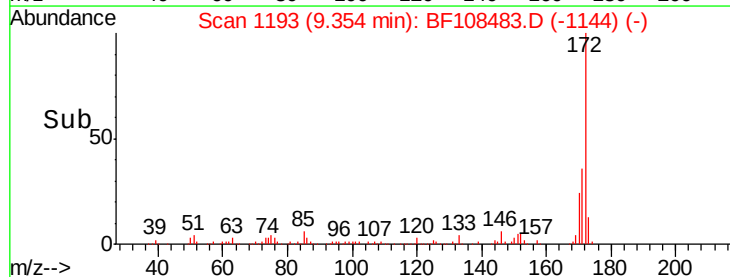
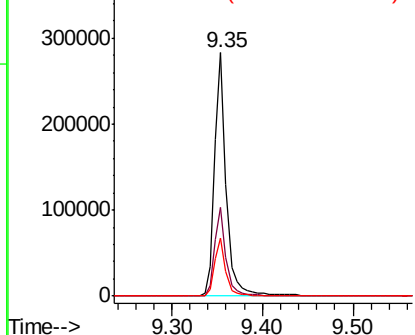


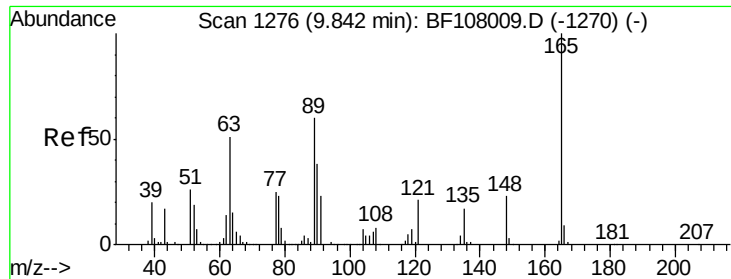
#44
 2-Fluorobiphenyl
 Concen: 17.395 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108483.D
 Acq: 25 Aug 2018 00:18

Tgt Ion:172 Resp: 256513
 Ion Ratio Lower Upper
 172 100
 171 36.4 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

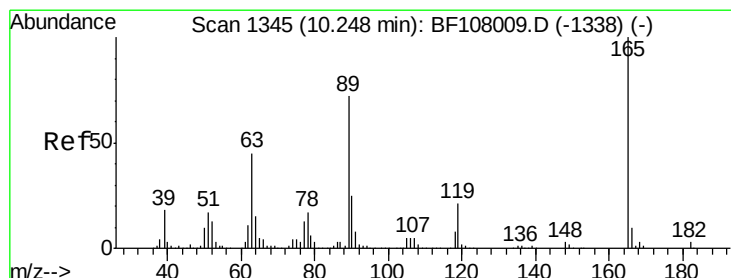
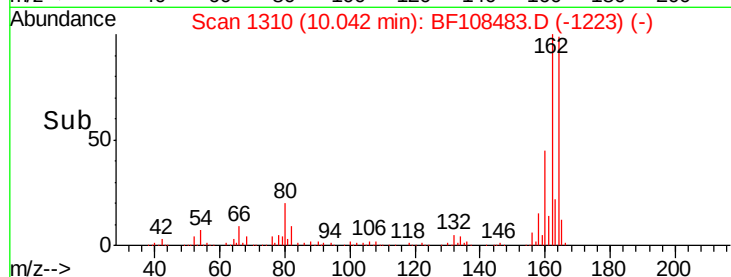
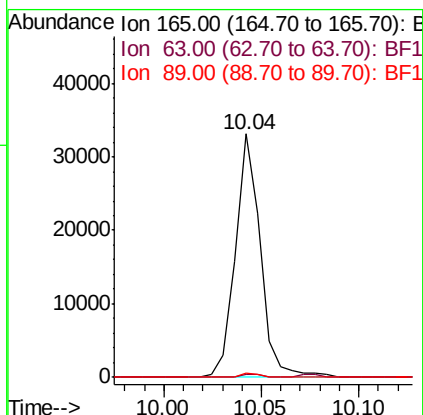
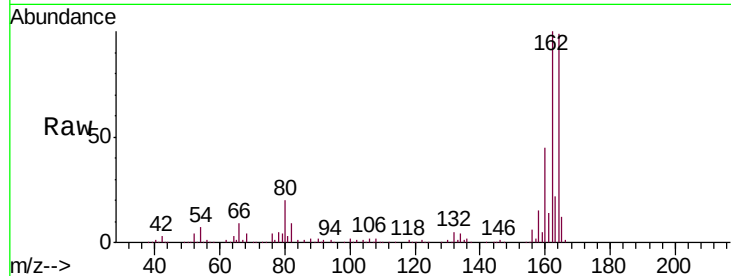




#50
 2,6-Dinitrotoluene
 Concen: 8.513 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108483.D
 Acq: 25 Aug 2018 00:18

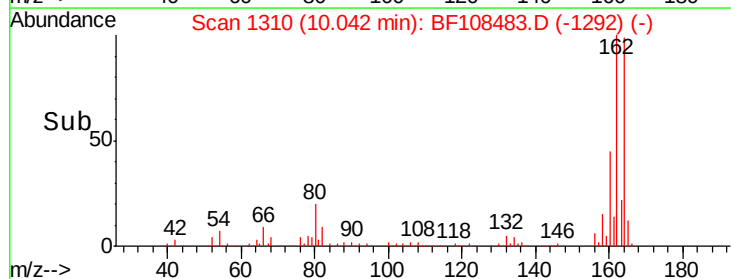
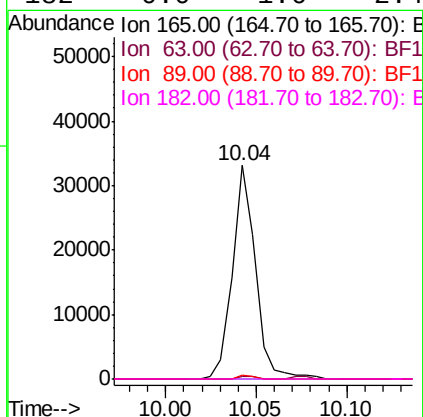
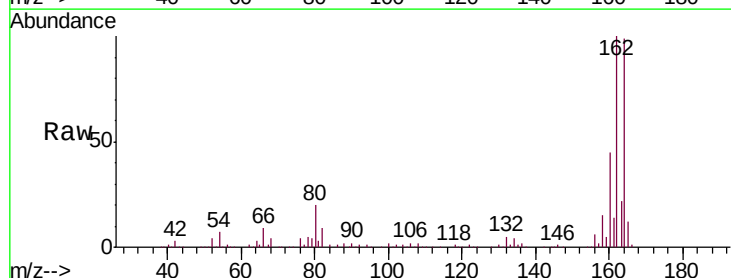
Instrument :
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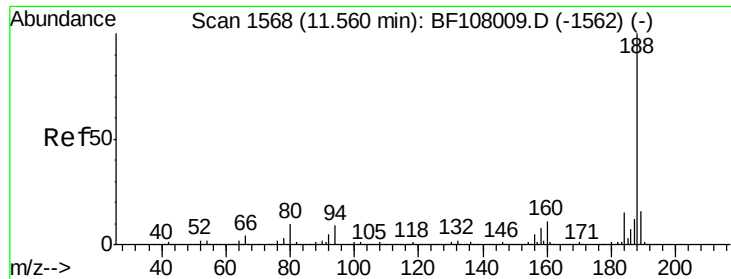
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.613 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108483.D
 Acq: 25 Aug 2018 00:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

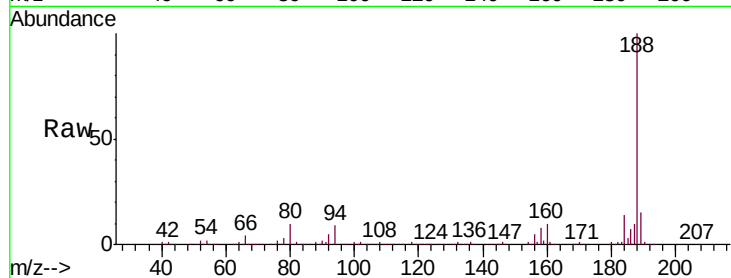




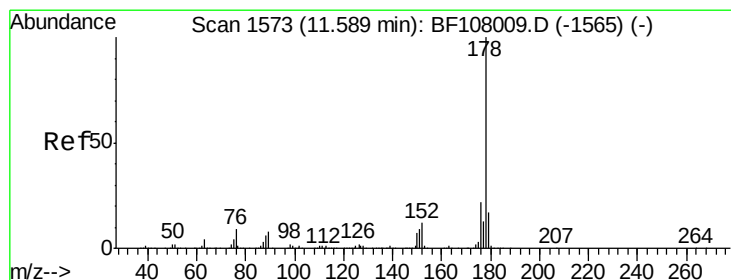
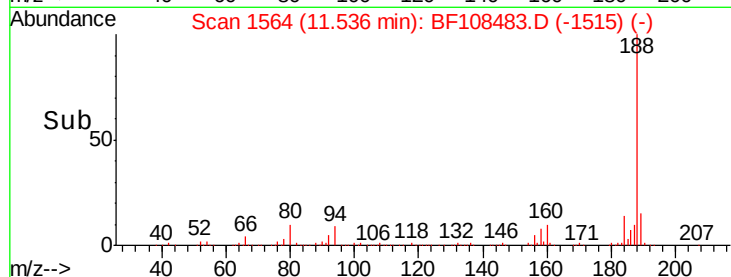
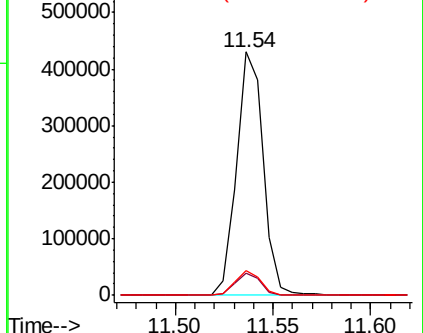
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108483.D
Acq: 25 Aug 2018 00:18

Instrument :
BNA_F
ClientSampleId :
1-3-RO

Tgt Ion:188 Resp: 407552
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 10.0 9.2 13.8

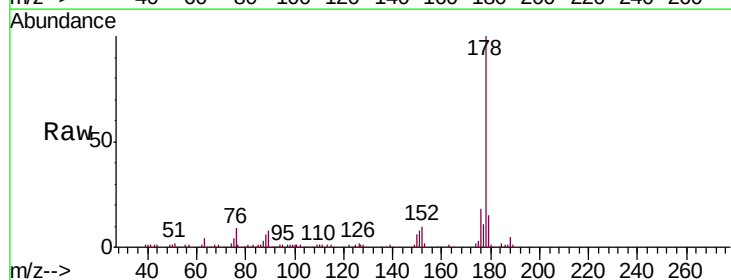


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

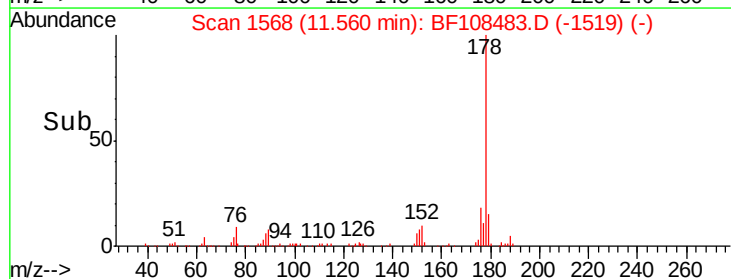
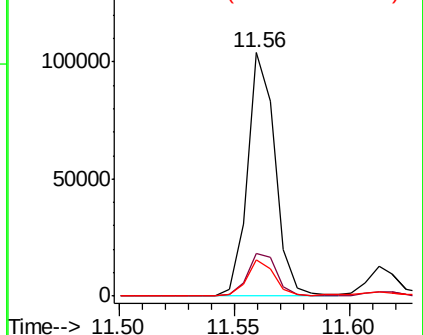


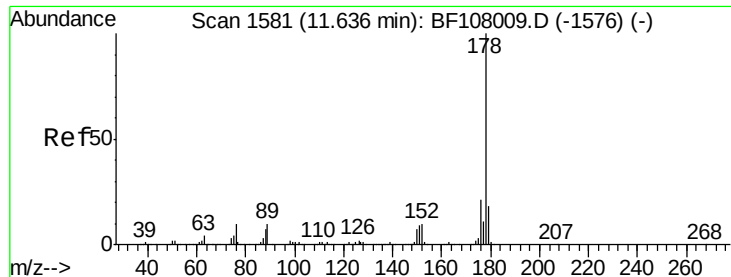
#70
Phenanthrene
Concen: 4.546 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108483.D
Acq: 25 Aug 2018 00:18

Tgt Ion:178 Resp: 87382
Ion Ratio Lower Upper
178 100
176 17.5 15.8 23.8
179 14.9 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





#71

Anthracene

Concen: 4.435 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.06 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

Instrument :

BNA_F

ClientSampleId :

1-3-RO

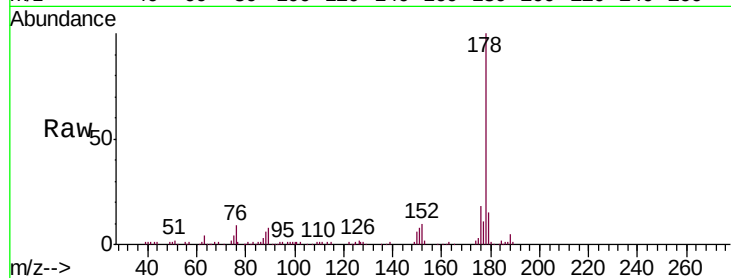
Tgt Ion:178 Resp: 87382

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

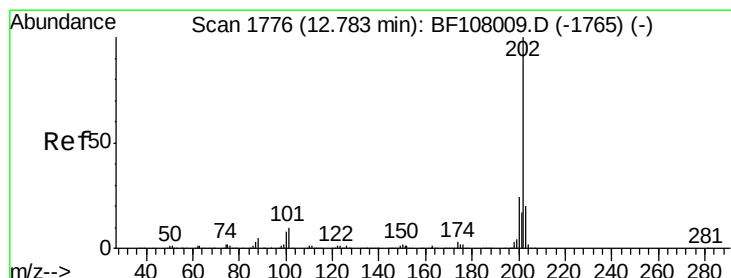
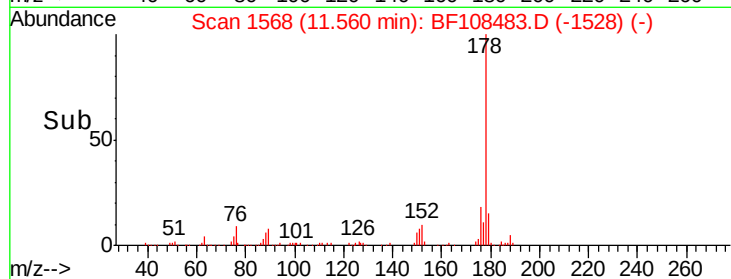
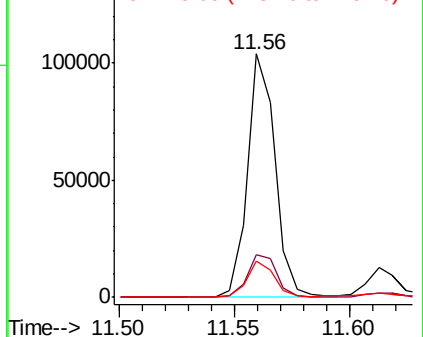
179 14.9 12.6 19.0



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: 2.958 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

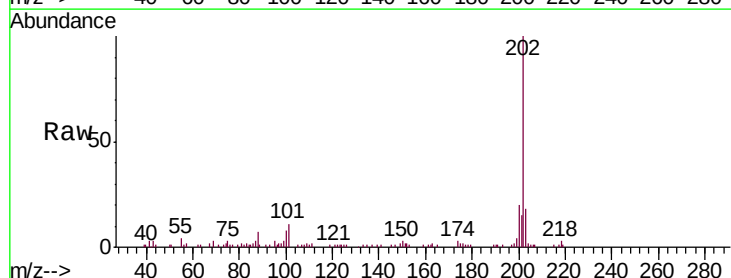
Tgt Ion:202 Resp: 62047

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

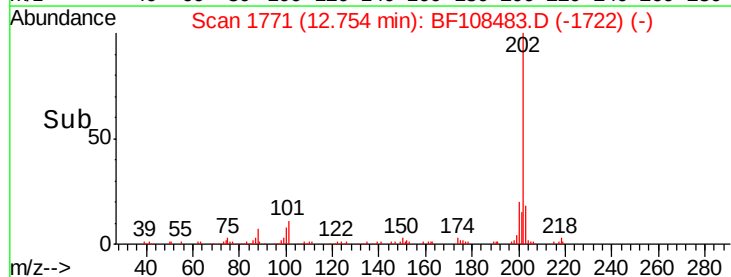
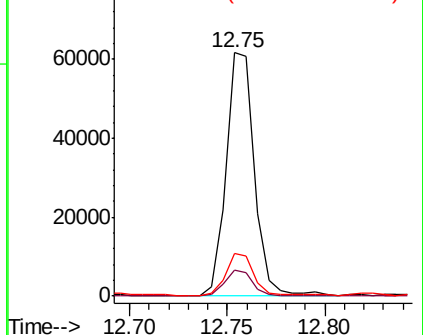
203 17.6 0.0 38.1

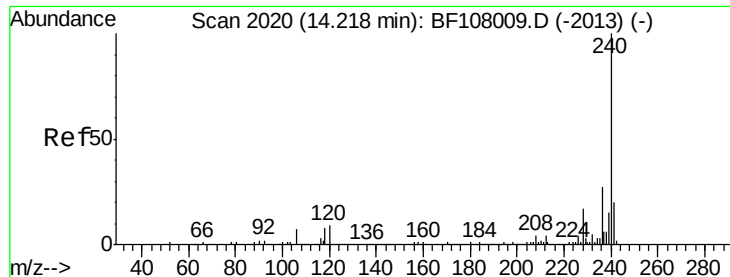


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

Instrument :

BNA_F

ClientSampled :

1-3-RO

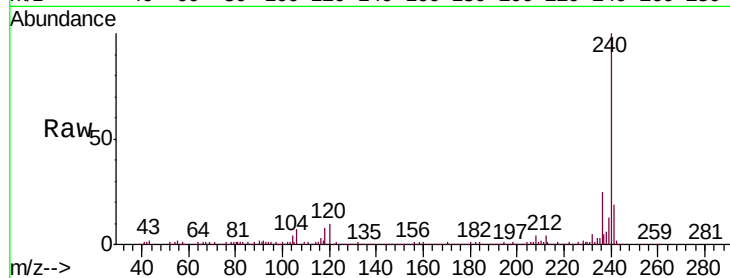
Tgt Ion:240 Resp: 287199

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

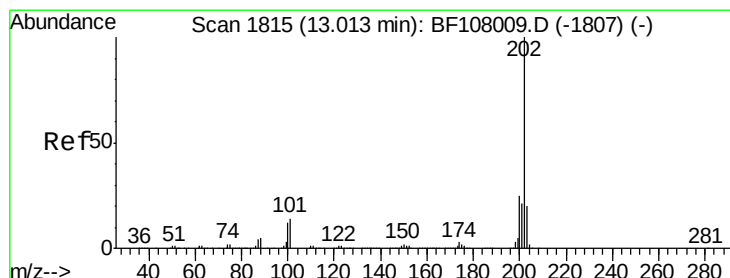
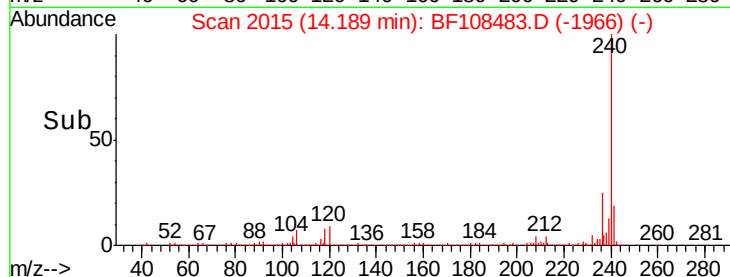
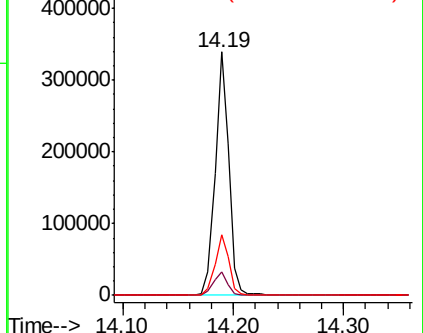
236 25.0 20.7 31.1



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: 3.684 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

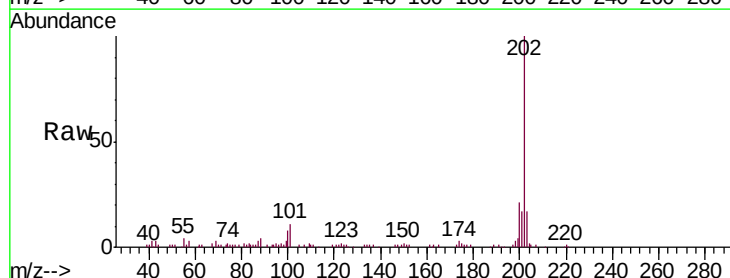
Tgt Ion:202 Resp: 66985

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

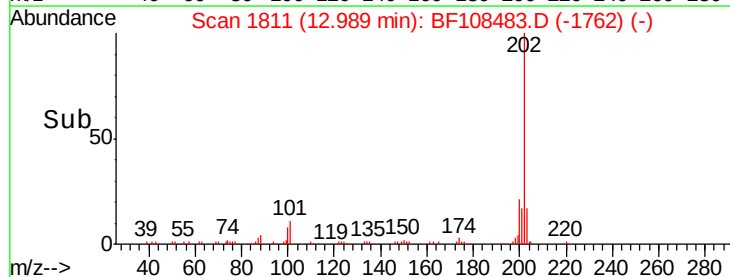
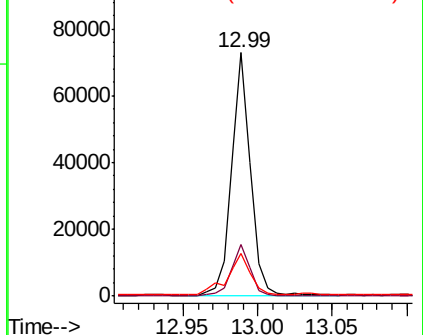
203 17.4 14.3 21.5

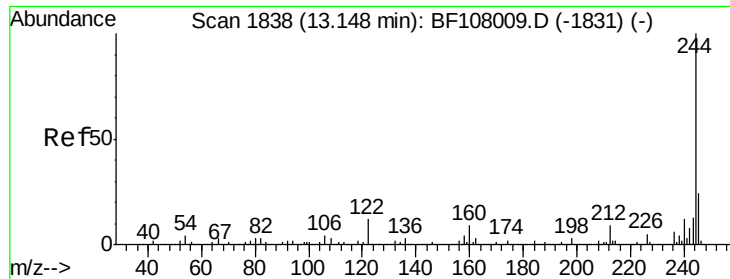


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.729 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

Instrument :

BNA_F

ClientSampleId :

1-3-RO

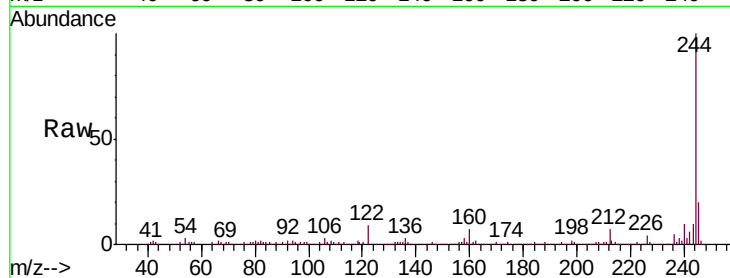
Tgt Ion:244 Resp: 188960

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

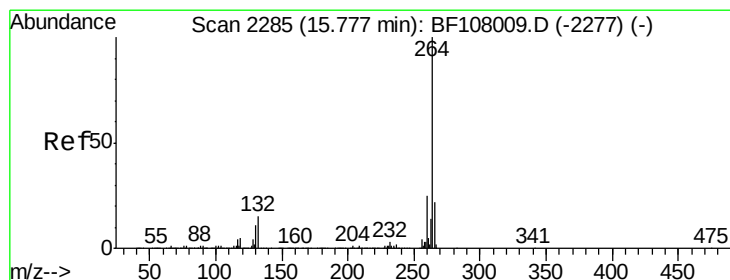
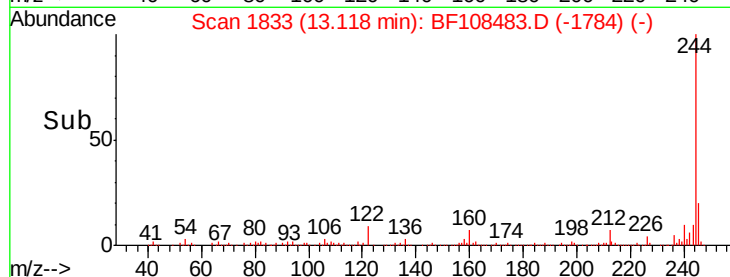
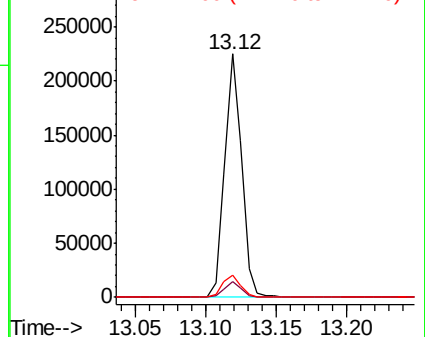
122 8.9 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF108483.D

Acq: 25 Aug 2018 00:18

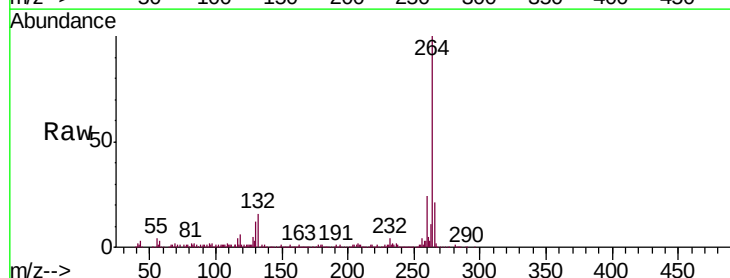
Tgt Ion:264 Resp: 291888

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

