

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062018\
 Data File : BF106638.D
 Acq On : 20 Jun 2018 23:42
 Operator : JU/SJ
 Sample : J3554-09RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-8(3.0)

Quant Time: Jun 21 01:05:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

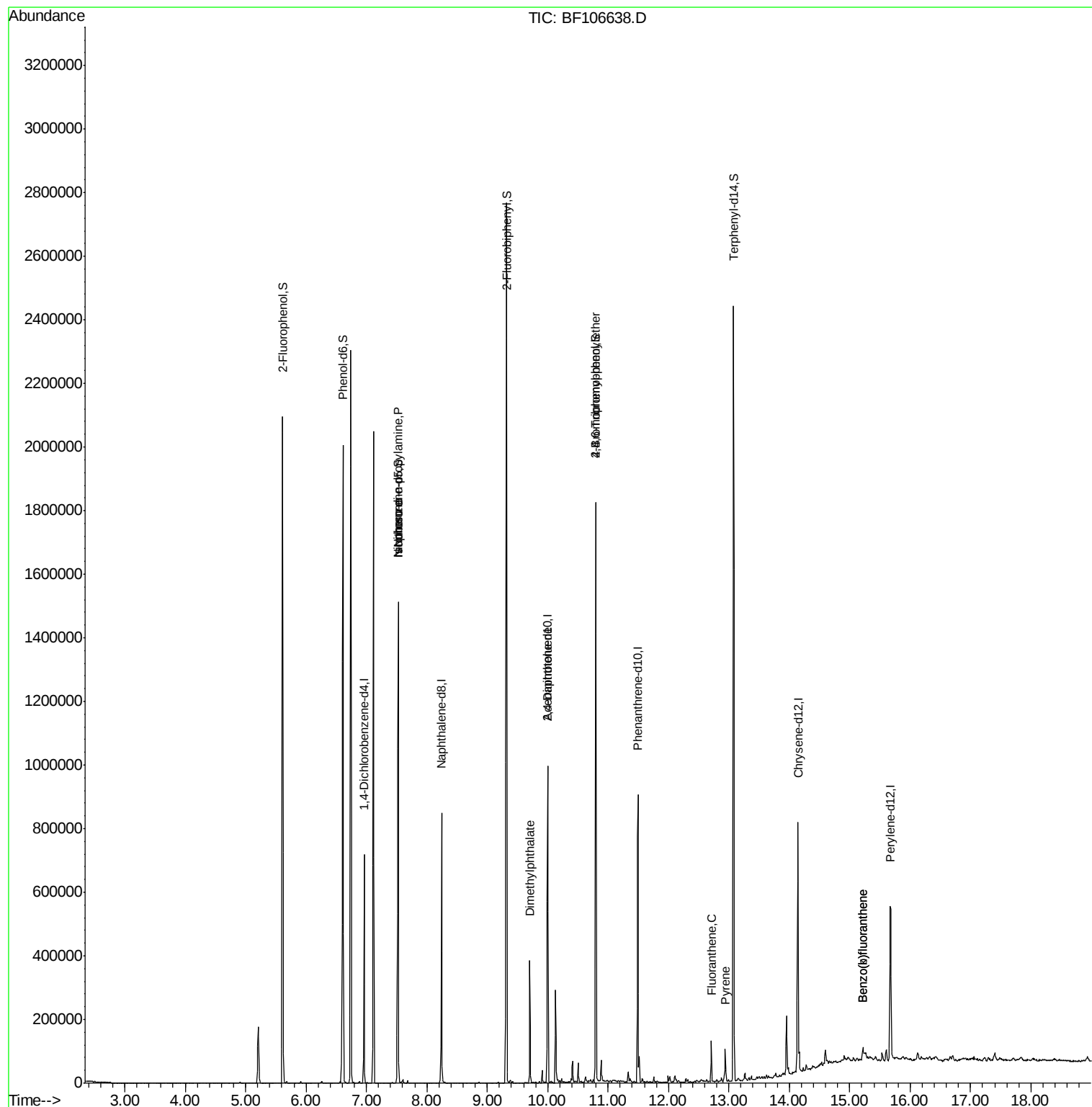
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	94024	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	358449	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	185182	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	334829	20.00	ng	0.00
75) Chrysene-d12	14.14	240	256351	20.00	ng	-0.01
86) Perylene-d12	15.68	264	243739	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	624982	112.56	ng	0.01
7) Phenol-d6	6.61	99	802638	115.75	ng	0.00
23) Nitrobenzene-d5	7.52	82	547019	84.81	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	269052	125.36	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	903116	82.03	ng	0.00
78) Terphenyl-d14	13.08	244	880379	83.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	73175	16.009	ng	Qvalue # 73
25) Isophorone	7.52	82	547015	48.128	ng	# 64
49) Dimethylphthalate	9.71	163	129207	9.303	ng	98
56) 2,4-Dinitrotoluene	10.00	165	23551	6.135	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	16466	4.121	ng	# 1
74) Fluoranthene	12.71	202	48395	2.719	ng	95
77) Pyrene	12.94	202	44555	2.636	ng	99
87) Benzo(b)fluoranthene	15.22	252	31597	2.087	ng	94
88) Benzo(k)fluoranthene	15.22	252	31597	2.191	ng	95

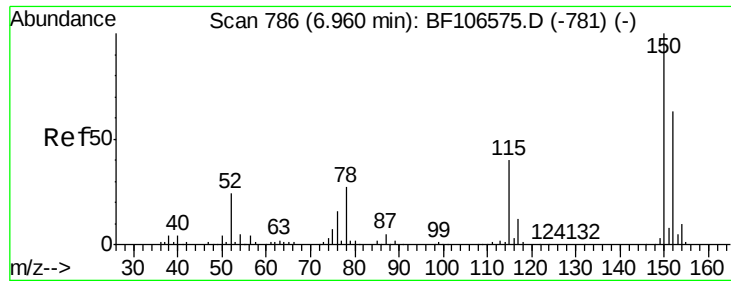
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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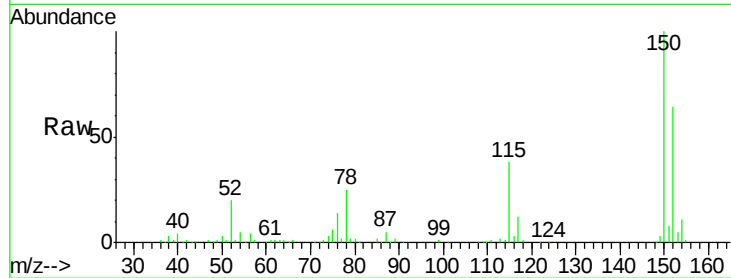


#1

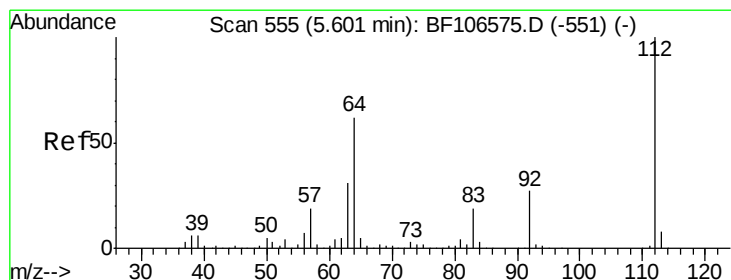
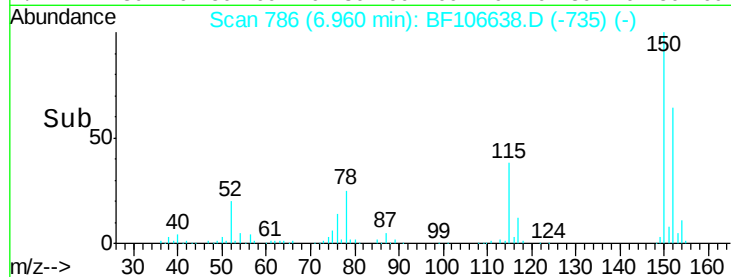
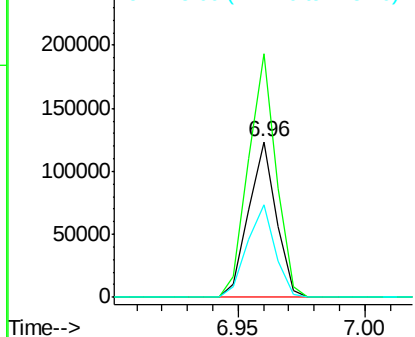
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106638.D
Acq: 20 Jun 2018 23:42

Instrument :
BNA_F
ClientSampleId :
A-8(3.0)

Tgt Ion:152 Resp: 94024
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 59.6 50.1 75.1



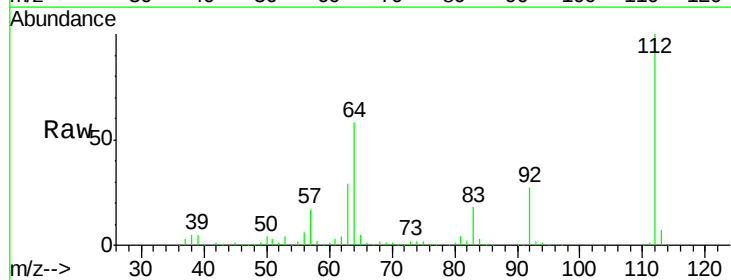
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



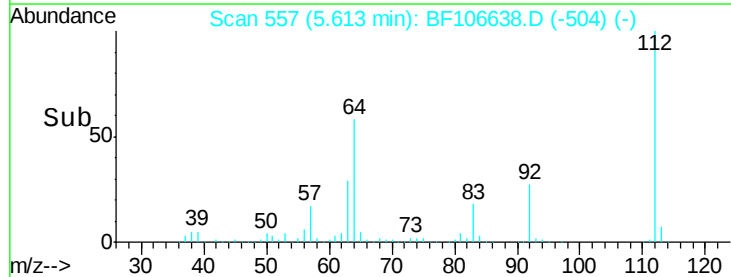
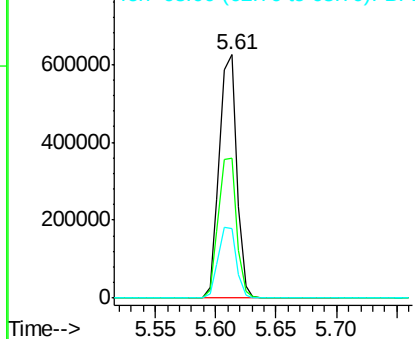
#5

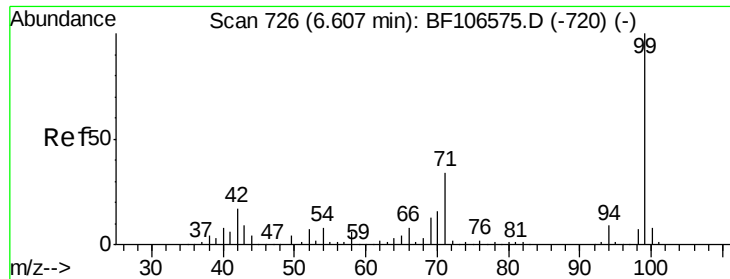
2-Fluorophenol
Concen: 112.556 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF106638.D
Acq: 20 Jun 2018 23:42

Tgt Ion:112 Resp: 624982
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 28.6 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: 115.751 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

Instrument :

BNA_F

ClientSampleId :

A-8(3.0)

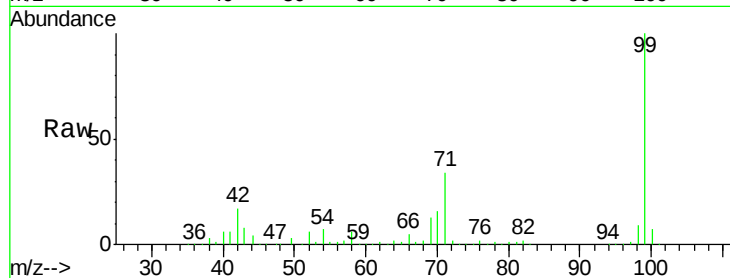
Tgt Ion: 99 Resp: 802638

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

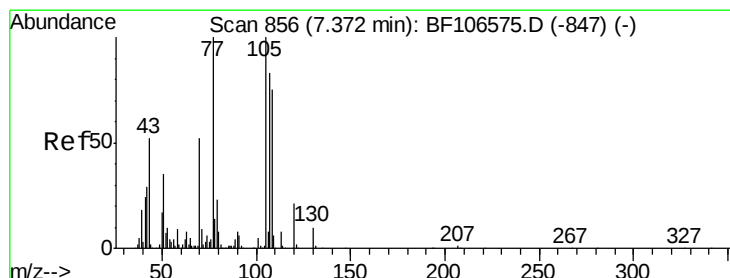
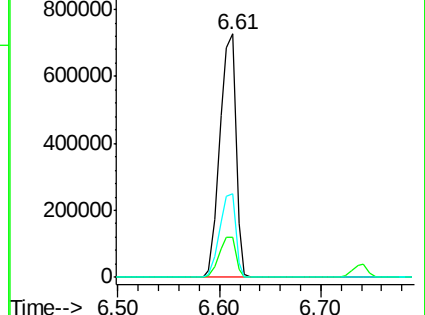
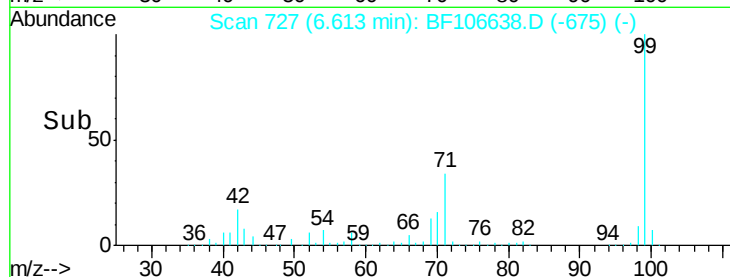
71 34.2 25.4 38.0



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: 16.009 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

Tgt Ion: 70 Resp: 73175

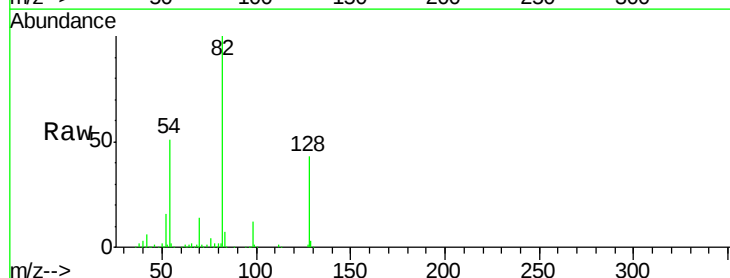
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

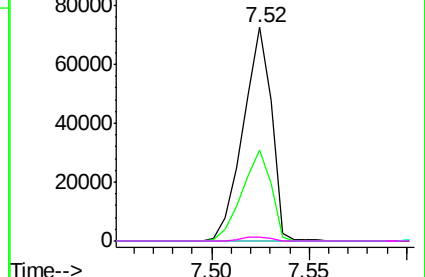
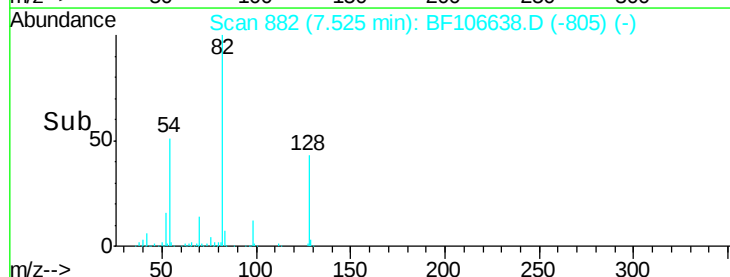


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

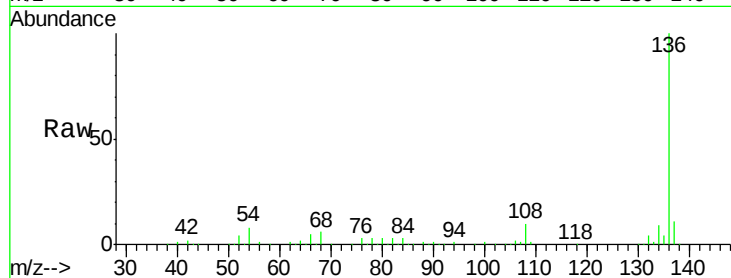




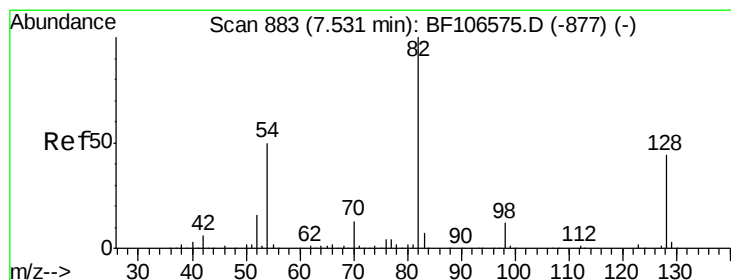
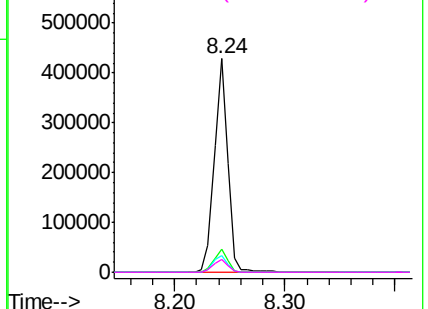
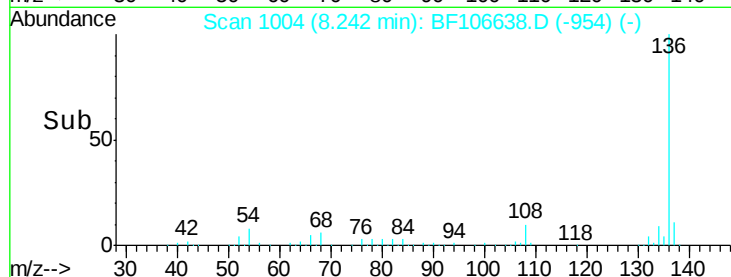
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106638.D
Acq: 20 Jun 2018 23:42

Instrument :
BNA_F
ClientSampleId :
A-8(3.0)

Tgt Ion: 136 Resp: 358449
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.1 6.6 9.8
68 6.2 5.0 7.4

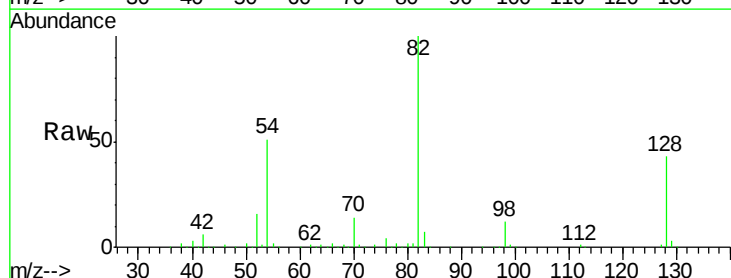


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

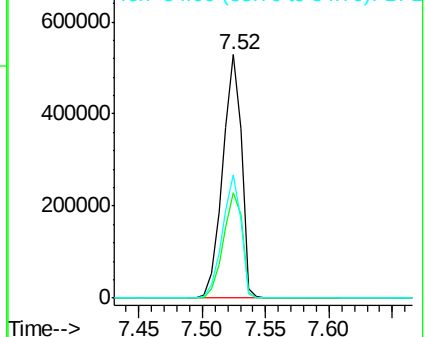
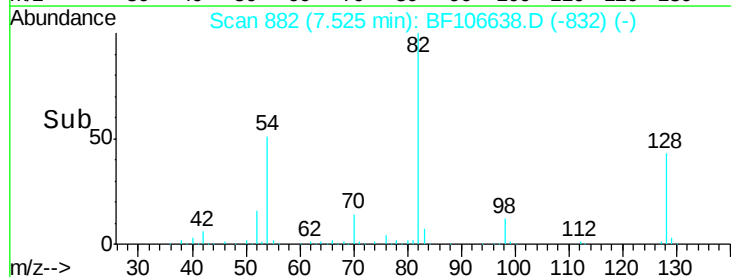


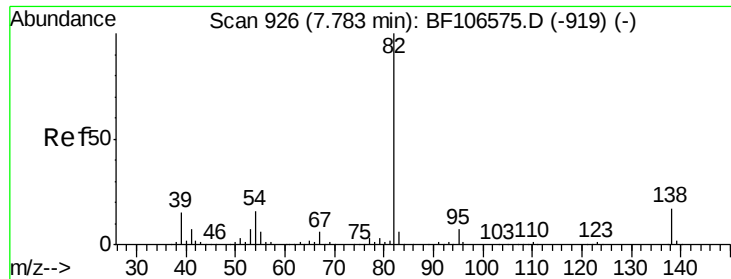
#23
Nitrobenzene-d5
Concen: 84.809 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106638.D
Acq: 20 Jun 2018 23:42

Tgt Ion: 82 Resp: 547019
Ion Ratio Lower Upper
82 100
128 43.4 36.1 54.1
54 50.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.128 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

Instrument :

BNA_F

ClientSampleId :

A-8(3.0)

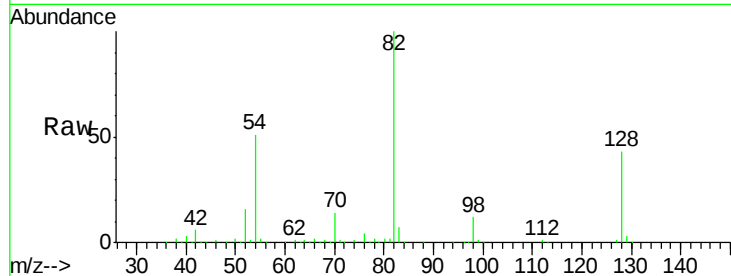
Tgt Ion: 82 Resp: 547015

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

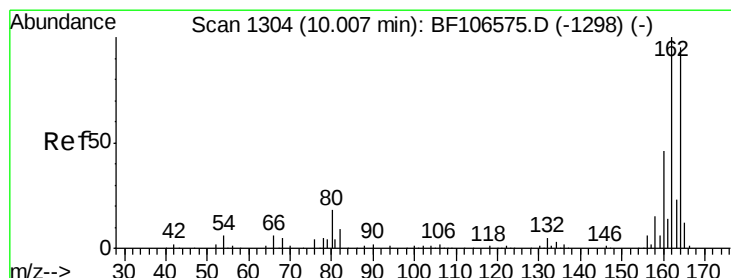
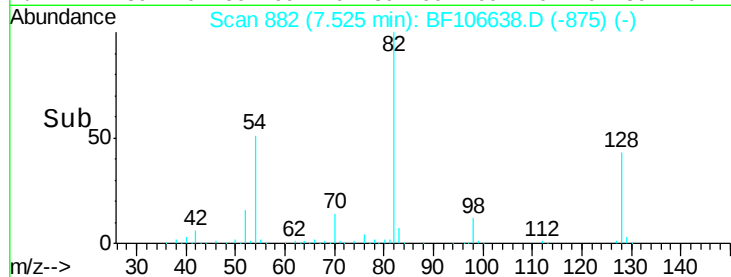
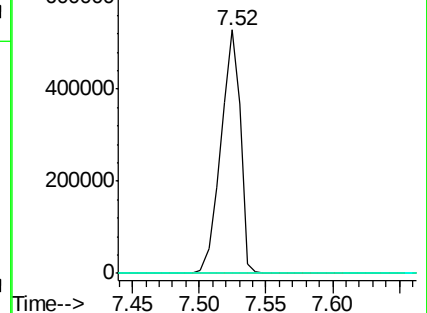
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

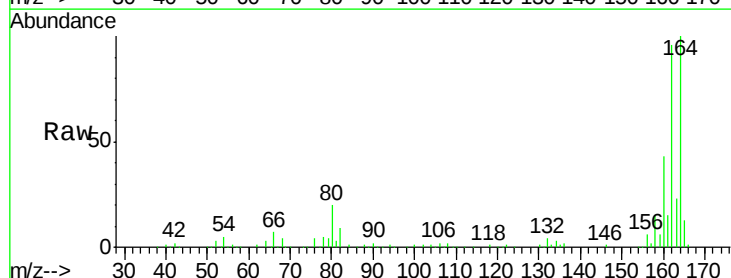
Tgt Ion: 164 Resp: 185182

Ion Ratio Lower Upper

164 100

162 96.2 86.1 129.1

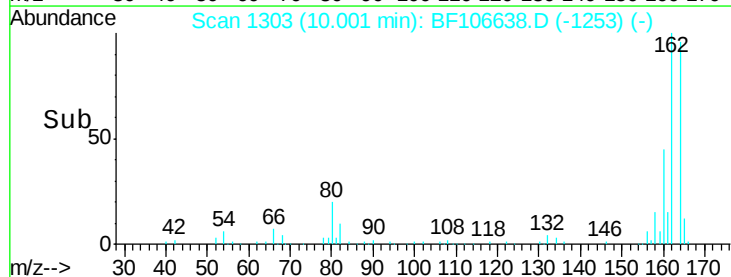
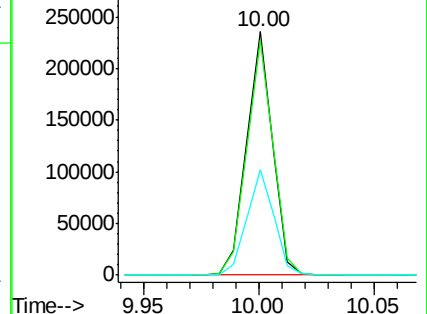
160 43.3 38.3 57.5

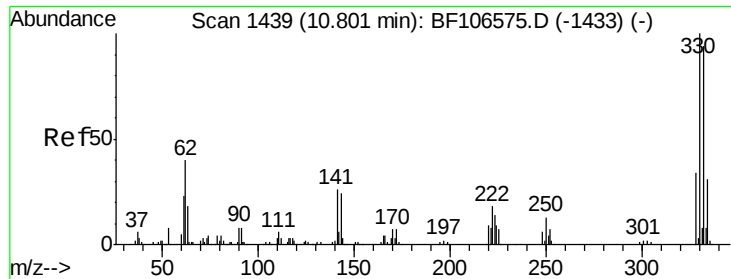


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

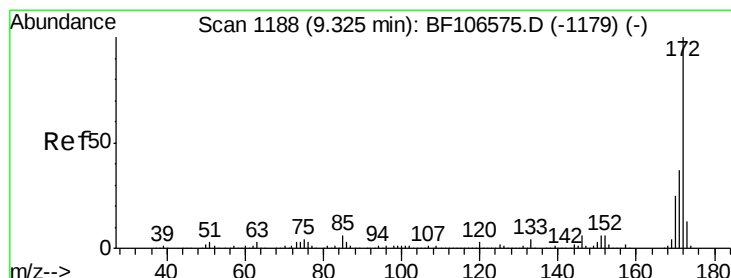
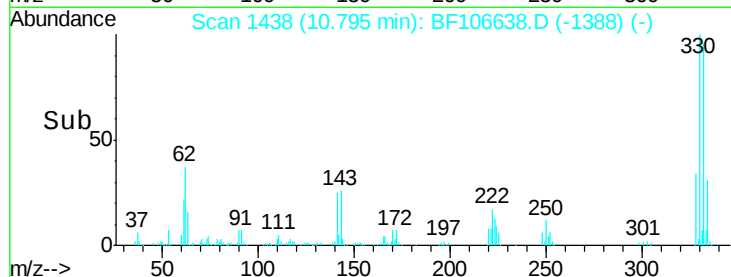
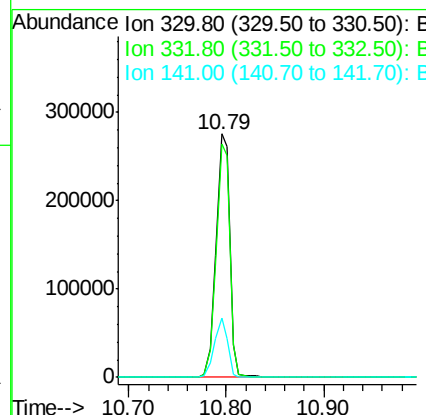
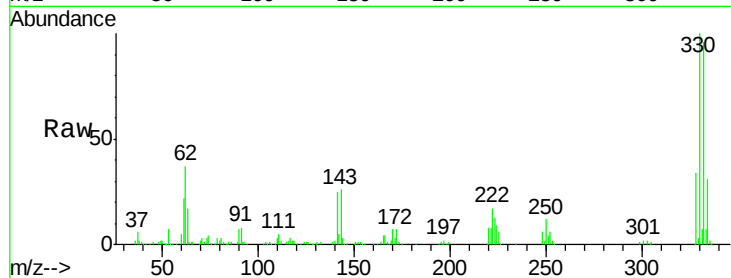




#41
 2,4,6-Tribromophenol
 Concen: 125.356 ng
 RT: 10.79 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106638.D
 Acq: 20 Jun 2018 23:42

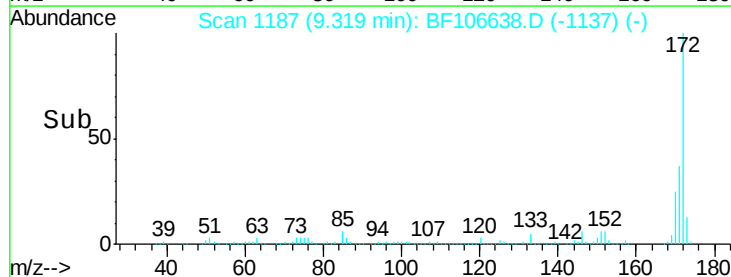
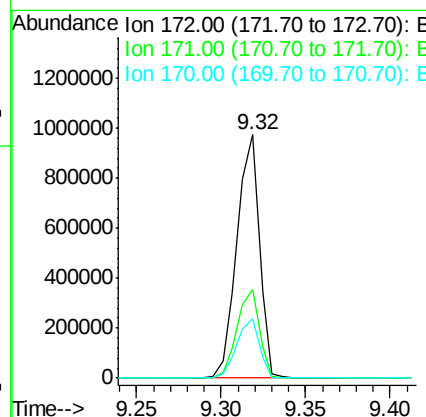
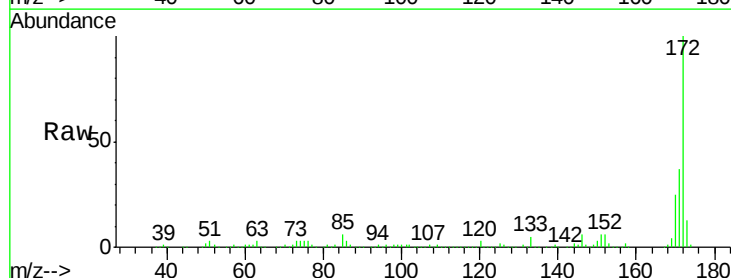
Instrument :
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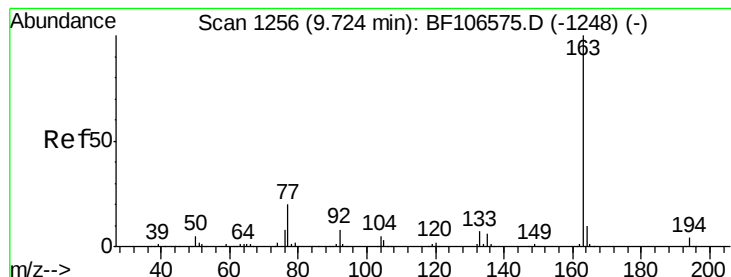
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	23.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 82.033 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106638.D
 Acq: 20 Jun 2018 23:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.6	19.6	29.4





#49

Dimethylphthalate

Concen: 9.303 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

Instrument :

BNA_F

ClientSampleId :

A-8(3.0)

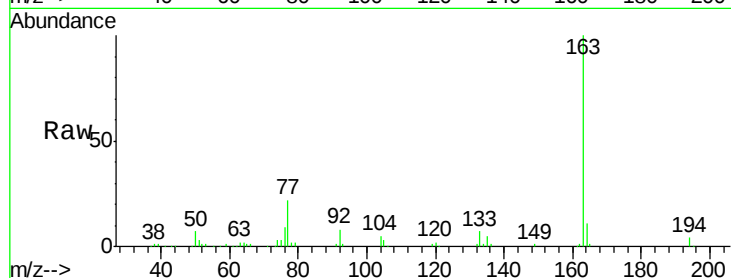
Tgt Ion:163 Resp: 129207

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

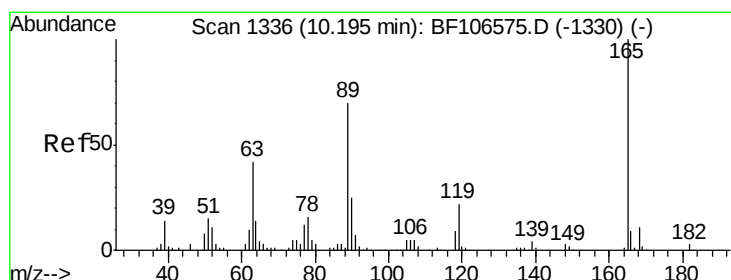
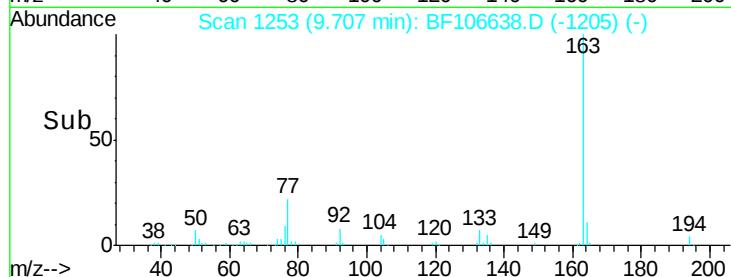
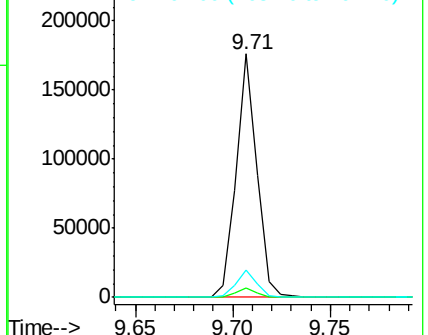
164 11.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.135 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.19 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

Tgt Ion:165 Resp: 23551

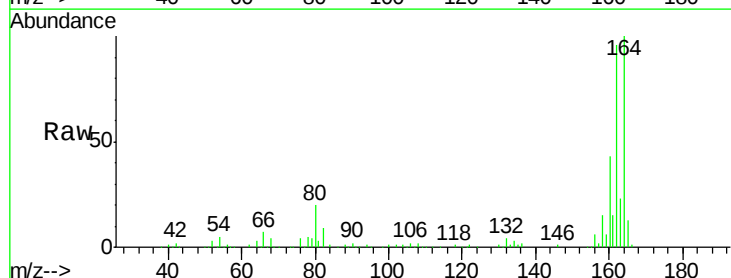
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

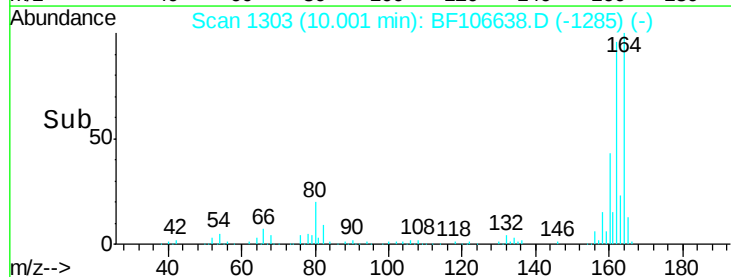
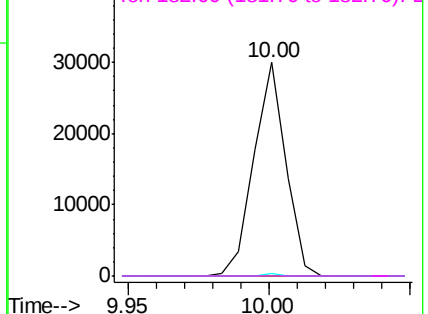


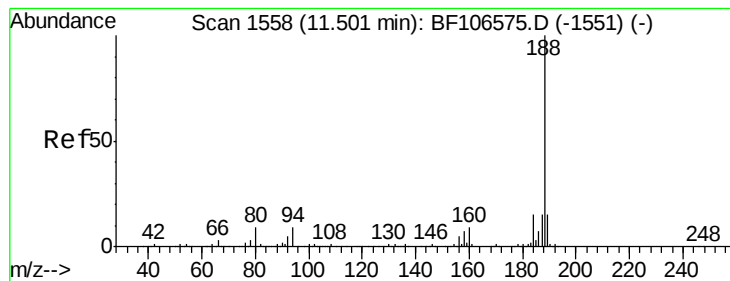
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

Instrument :

BNA_F

ClientSampleId :

A-8(3.0)

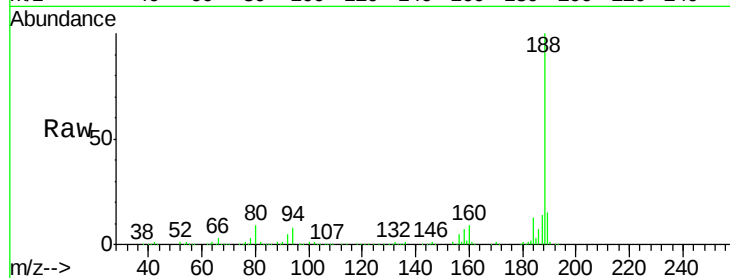
Tgt Ion:188 Resp: 334829

Ion Ratio Lower Upper

188 100

94 8.0 8.5 12.7#

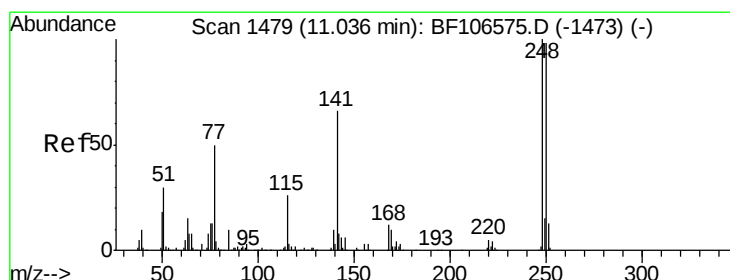
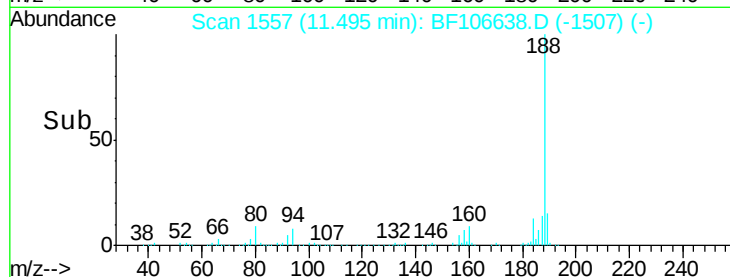
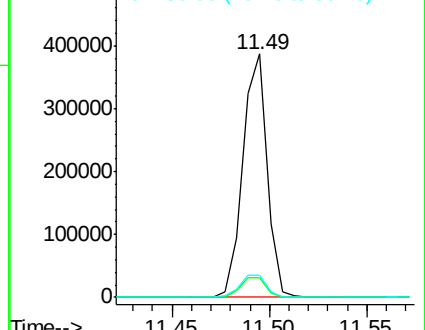
80 9.1 9.2 13.8#



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



#66

4-Bromophenyl-phenylether

Concen: 4.121 ng

RT: 10.79 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

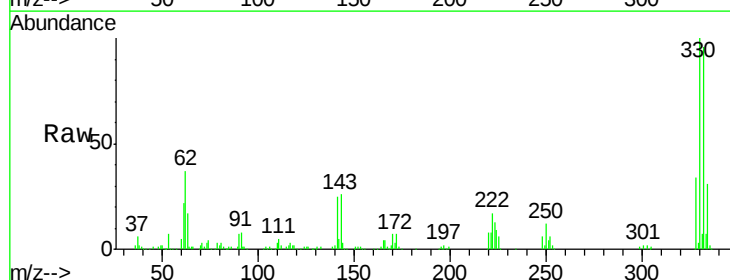
Tgt Ion:248 Resp: 16466

Ion Ratio Lower Upper

248 100

250 197.9 76.9 115.3#

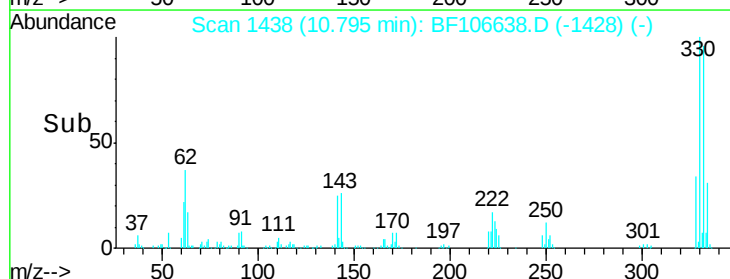
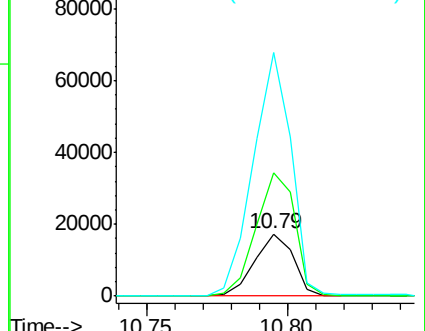
141 392.1 74.4 111.6#

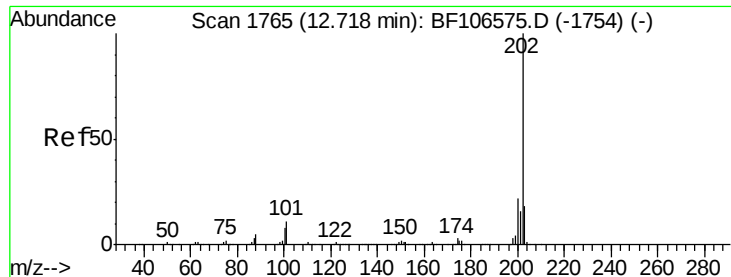


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.719 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

Instrument :

BNA_F

ClientSampleId :

A-8(3.0)

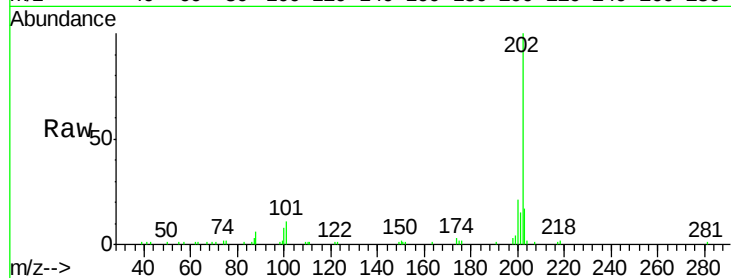
Tgt Ion:202 Resp: 48395

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

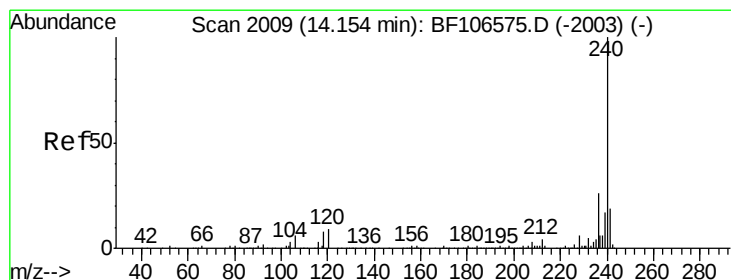
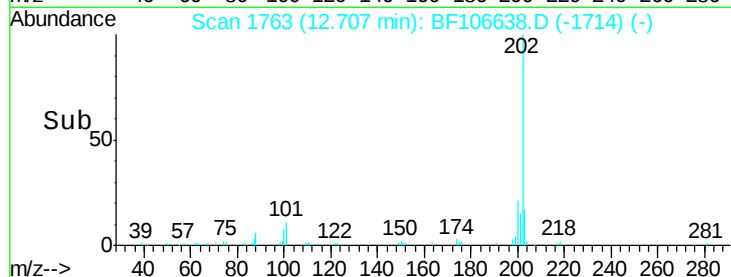
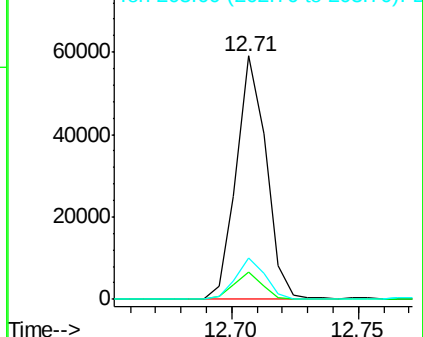
203 17.0 0.0 38.1



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: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106638.D

Acq: 20 Jun 2018 23:42

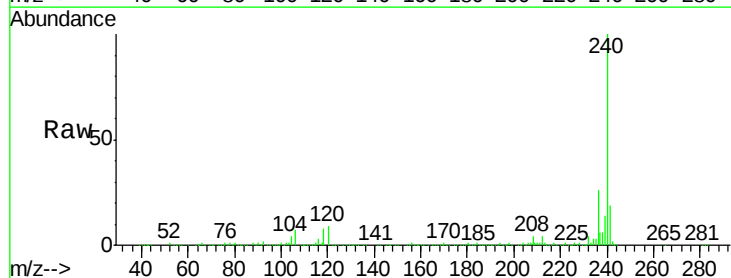
Tgt Ion:240 Resp: 256351

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

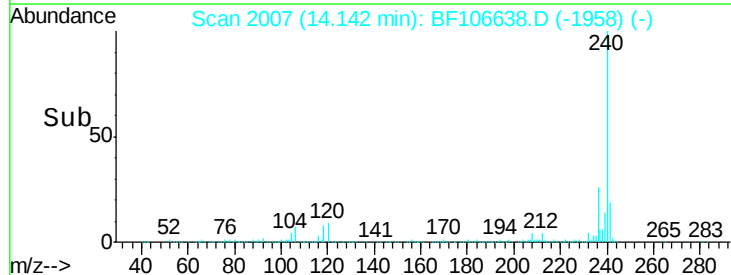
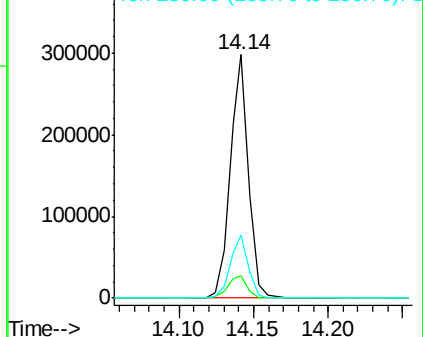
236 25.8 20.7 31.1

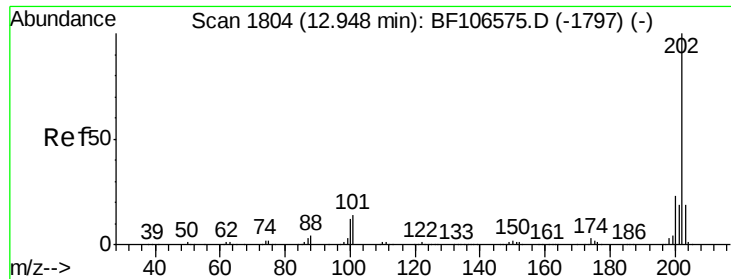


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

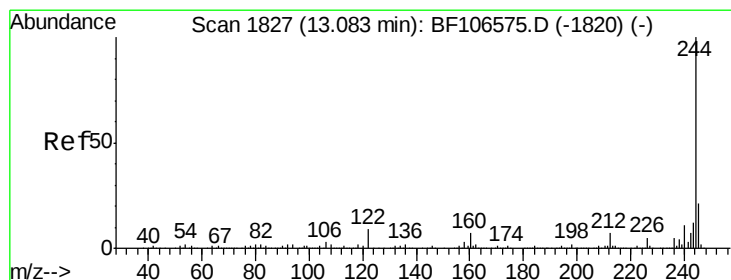
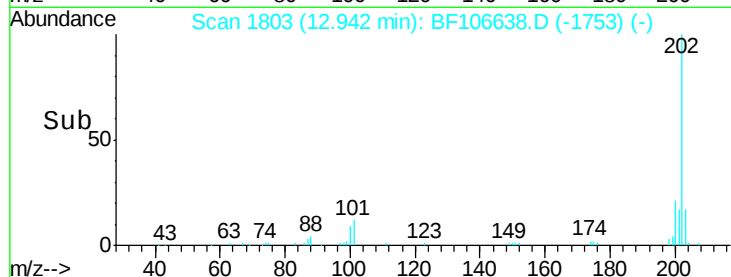
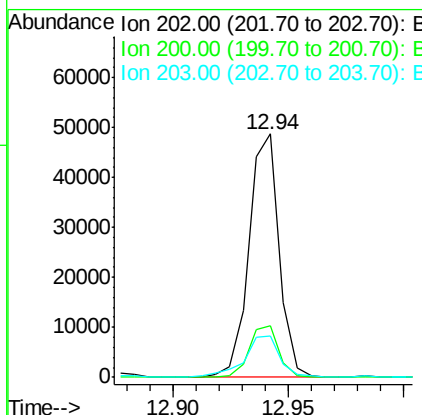
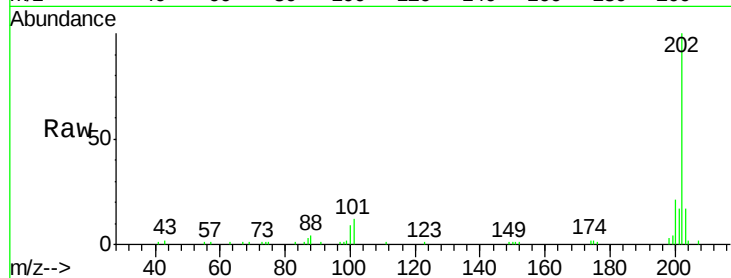




#77
 Pyrene
 Concen: 2.636 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF106638.D
 Acq: 20 Jun 2018 23:42

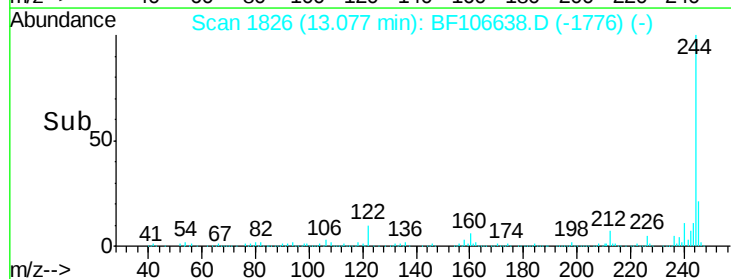
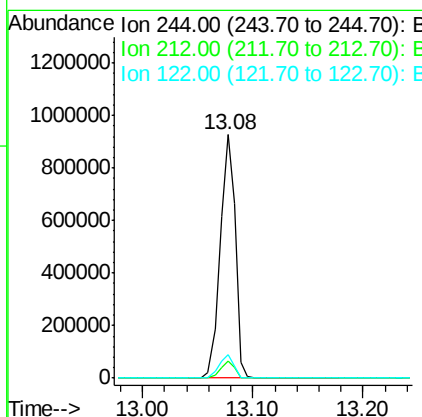
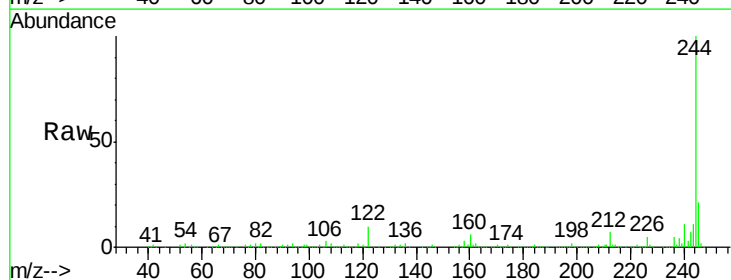
Instrument :
 BNA_F
 ClientSampleId :
 A-8(3.0)

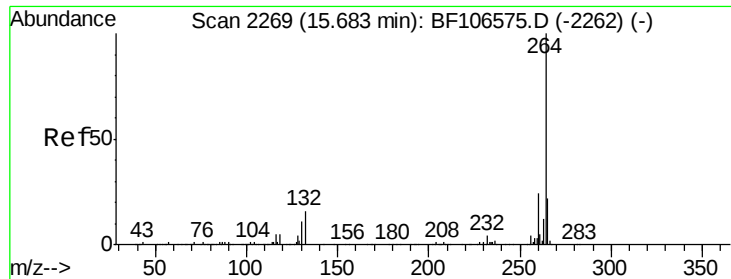
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.1	14.3	21.5



#78
 Terphenyl-d14
 Concen: 83.188 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106638.D
 Acq: 20 Jun 2018 23:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	9.5	11.0	16.4

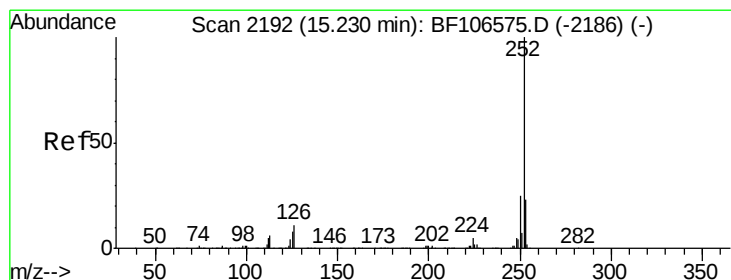
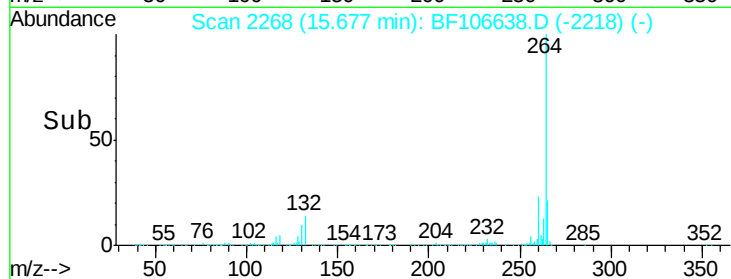
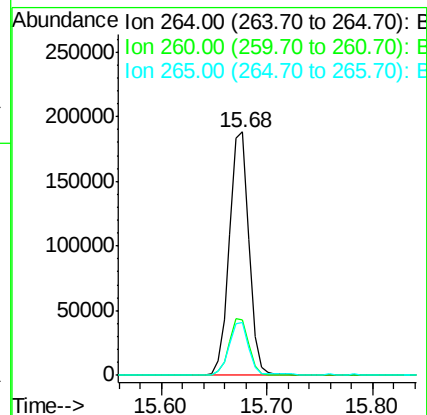
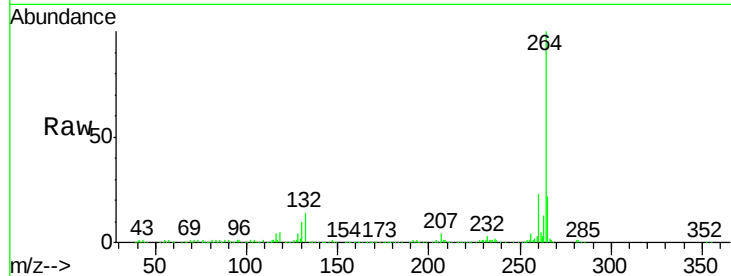




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF106638.D
Acq: 20 Jun 2018 23:42

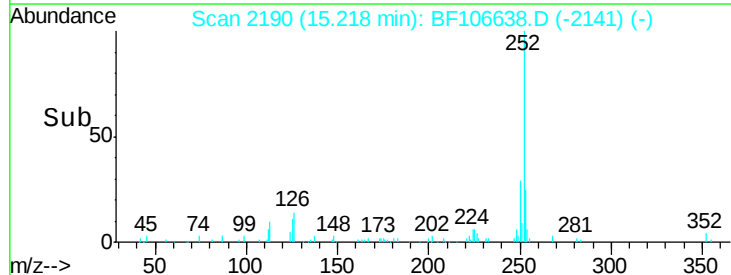
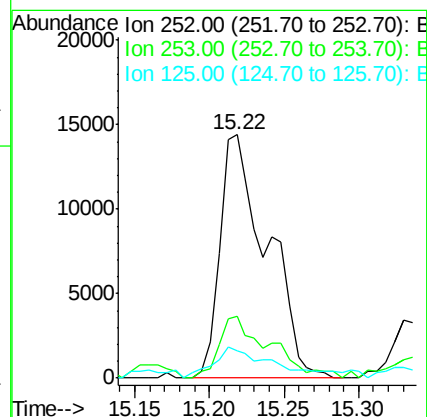
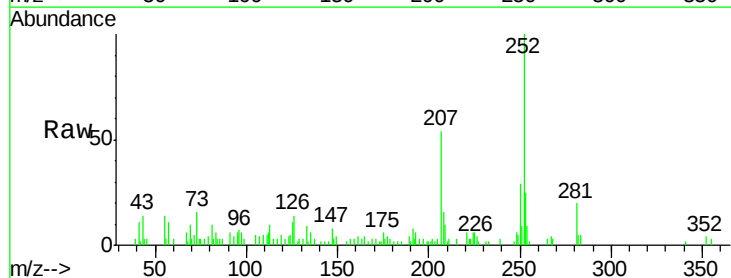
Instrument :
BNA_F
ClientSampleId :
A-8(3.0)

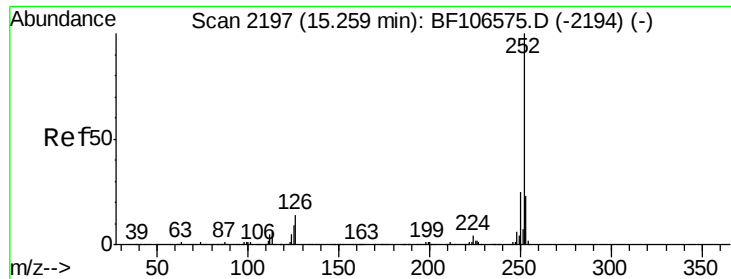
Tgt Ion:264 Resp: 243739
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.087 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF106638.D
Acq: 20 Jun 2018 23:42

Tgt Ion:252 Resp: 31597
Ion Ratio Lower Upper
252 100
253 25.3 17.0 25.6
125 11.1 9.0 13.6





#88
 Benzo(k)fluoranthene
 Concen: 2.191 ng
 RT: 15.22 min Scan# 2190
 Delta R.T. -0.04 min
 Lab File: BF106638.D
 Acq: 20 Jun 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 A-8(3.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	11.1	10.2	15.2

