

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113189.D
 Acq On : 21 Mar 2019 00:56
 Operator : JU/SJ
 Sample : K1989-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:24:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	117740	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	441238	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	213167	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	400159	20.00	ng	0.00
76) Chrysene-d12	13.86	240	361846	20.00	ng	0.00
87) Perylene-d12	15.27	264	275011	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	408782	54.01	ng	0.00
7) Phenol-d6	6.37	99	696293	73.23	ng	0.00
23) Nitrobenzene-d5	7.28	82	505416	68.54	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	70339	31.08	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1046150	80.08	ng	0.00
79) Terphenyl-d14	12.82	244	1092952	58.55	ng	0.00

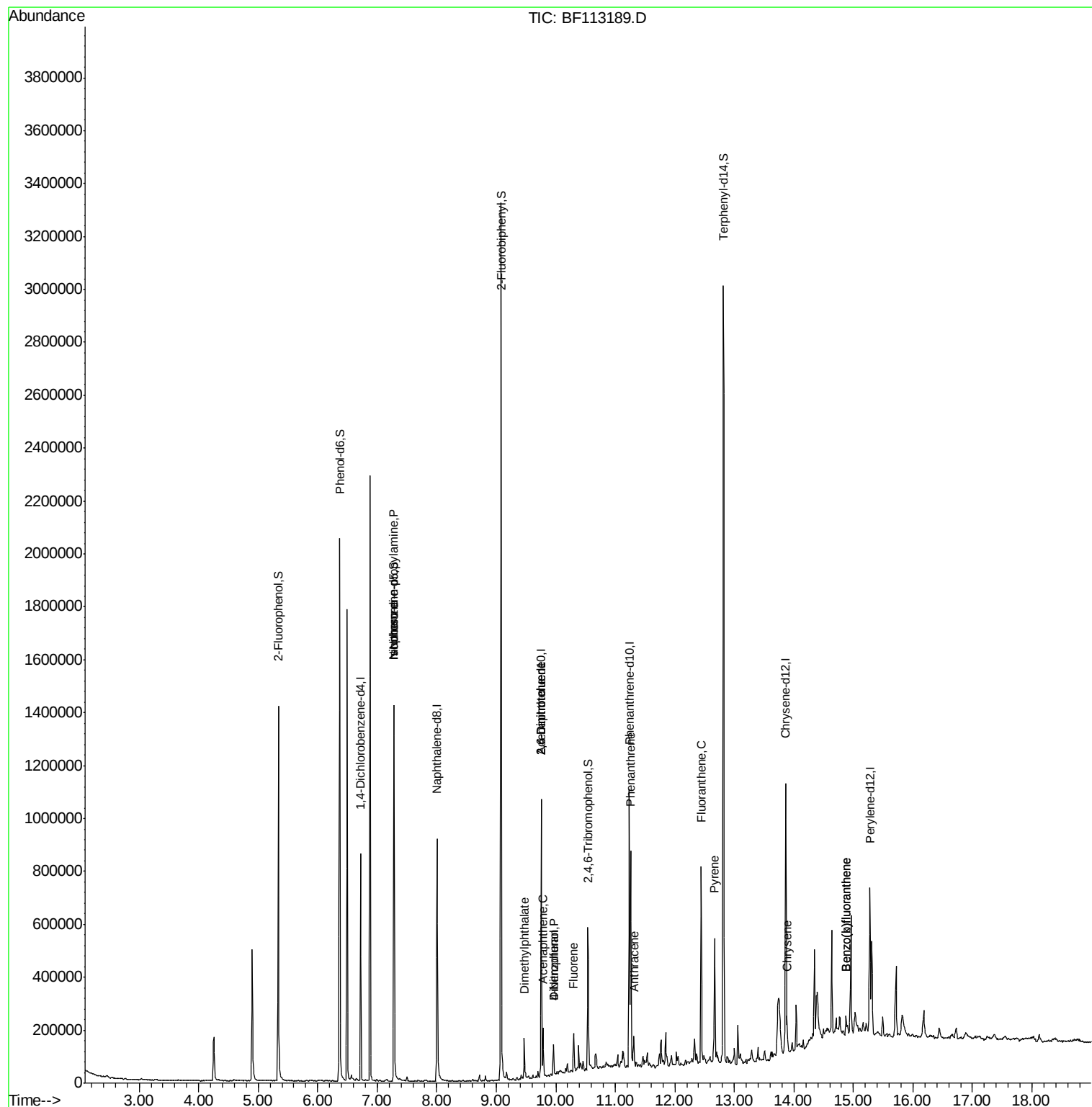
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	66236	10.999	ng	# 78
25) Isophorone	7.28	82	490719	30.890	ng	# 65
50) Dimethylphthalate	9.47	163	72118	4.588	ng	98
51) 2,6-Dinitrotoluene	9.76	165	26701	8.158	ng	# 25
52) Acenaphthene	9.79	154	35909	2.664	ng	98
55) Dibenzofuran	9.96	168	51018	2.604	ng	96
56) 4-Nitrophenol	9.96	139	18492	5.705	ng	# 10
57) 2,4-Dinitrotoluene	9.76	165	26701	6.563	ng	# 23
58) Fluorene	10.30	166	46329	3.332	ng	98
71) Phenanthrene	11.26	178	291668	14.650	ng	97
72) Anthracene	11.31	178	41832	2.007	ng	96
75) Fluoranthene	12.45	202	290157	13.603	ng	96
78) Pyrene	12.67	202	197063	6.460	ng	98
83) Chrysene	13.89	228	55153	2.245	ng	97
88) Benzo(b)fluoranthene	14.87	252	47855	2.690	ng	# 92
89) Benzo(k)fluoranthene	14.87	252	47855	2.970	ng	# 93

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

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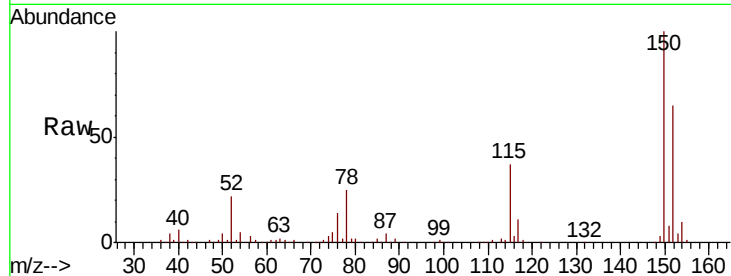


#1

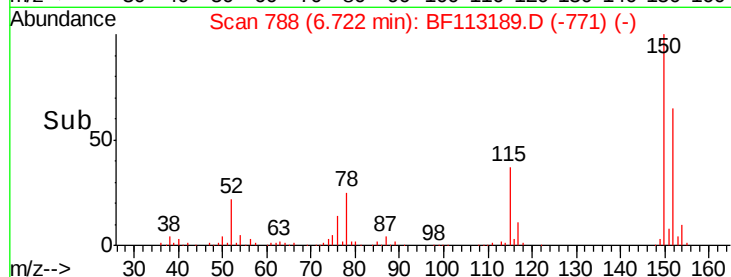
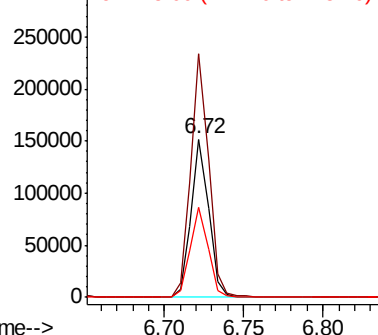
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF113189.D
 Acq: 21 Mar 2019 00:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 117740
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.0 184.6
 115 57.0 45.9 68.9



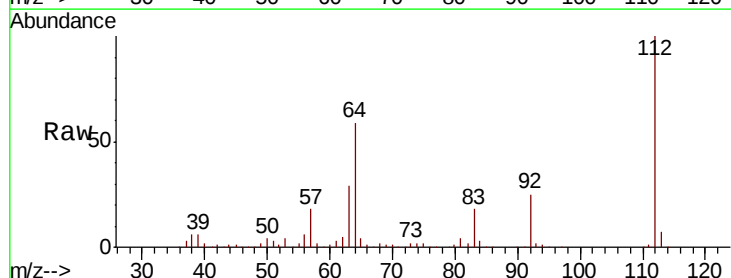
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



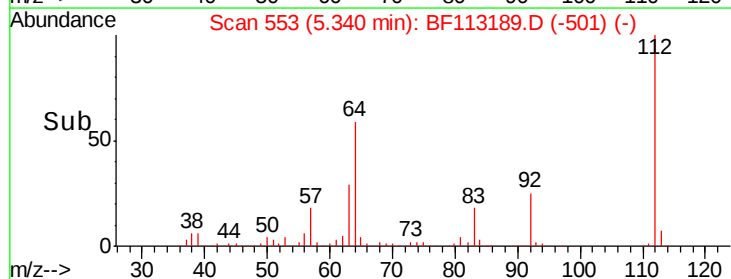
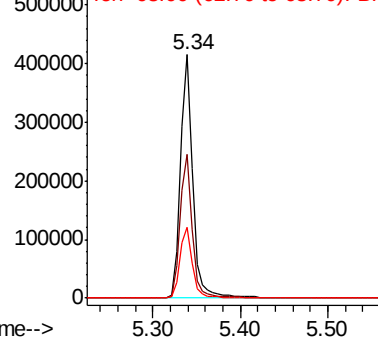
#5

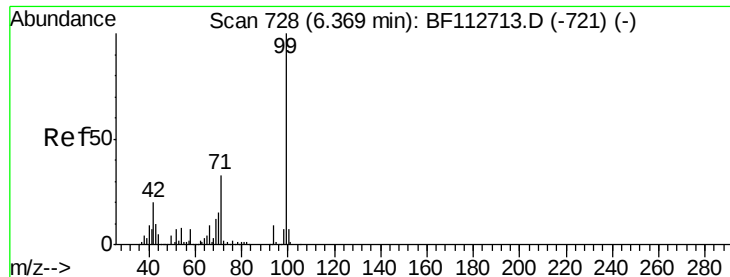
2-Fluorophenol
 Concen: 54.007 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF113189.D
 Acq: 21 Mar 2019 00:56

Tgt Ion:112 Resp: 408782
 Ion Ratio Lower Upper
 112 100
 64 59.3 49.3 73.9
 63 29.3 25.4 38.2



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: 73.232 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

Instrument :

BNA_F

ClientSampled :

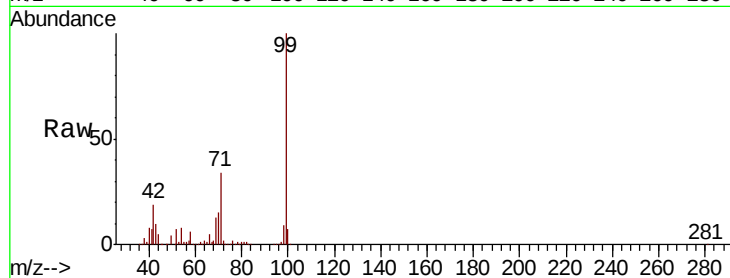
Tot Ion: 99 Resp: 696293

Ion Ratio Lower Upper

99 100

42 19.4 15.2 22.8

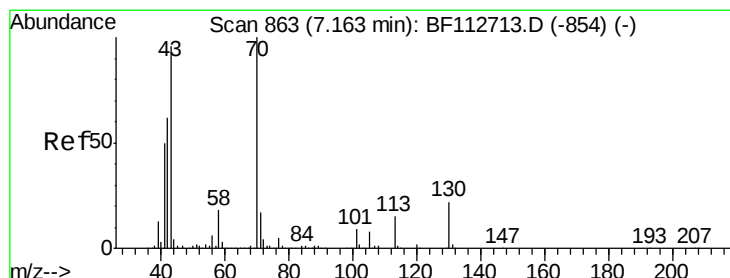
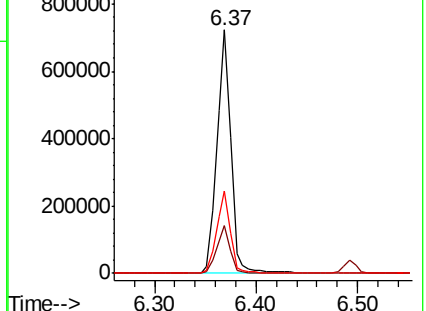
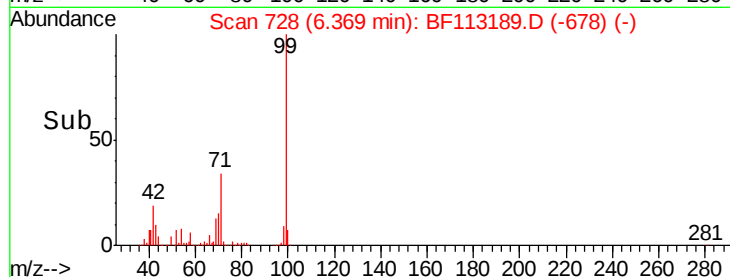
71 33.6 25.7 38.5



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: 10.999 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

Tgt Ion: 70 Resp: 66236

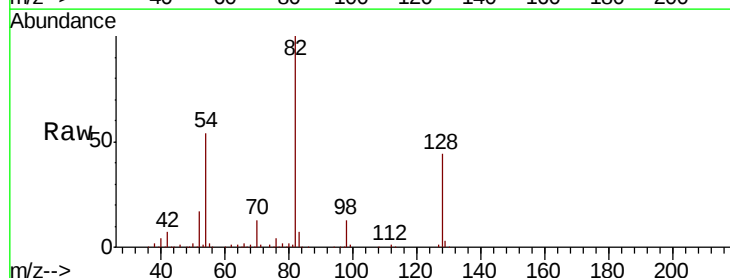
Ion Ratio Lower Upper

70 100

42 50.9 50.4 75.6

101 0.0 7.5 11.3#

130 2.5 17.0 25.6#

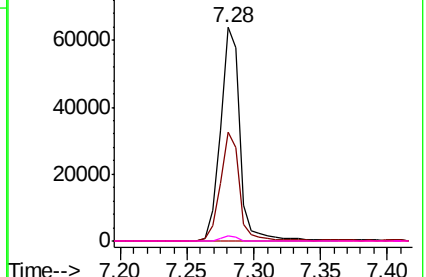
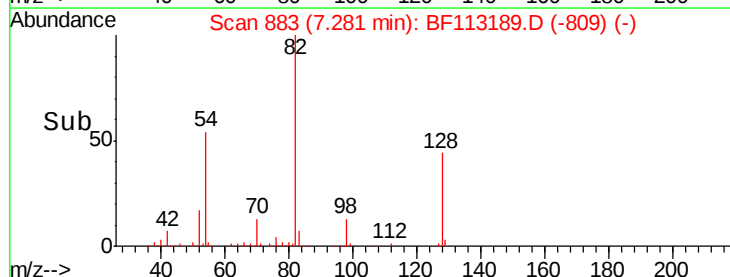


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

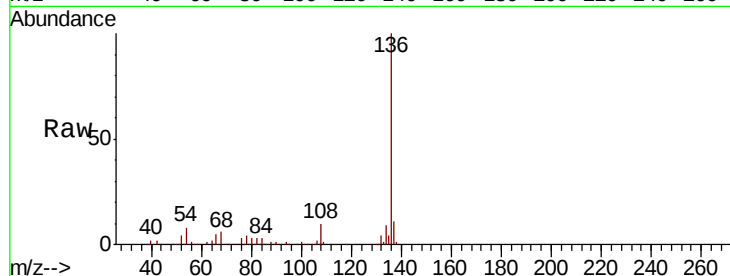




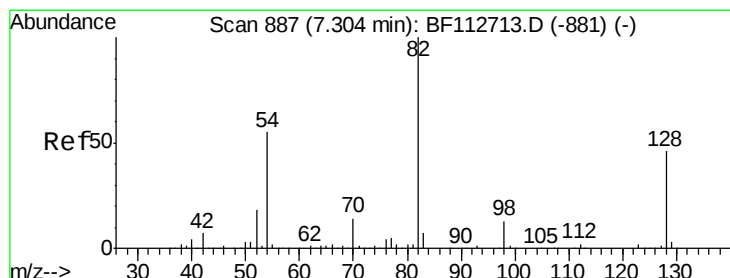
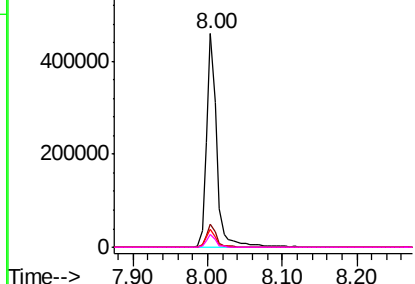
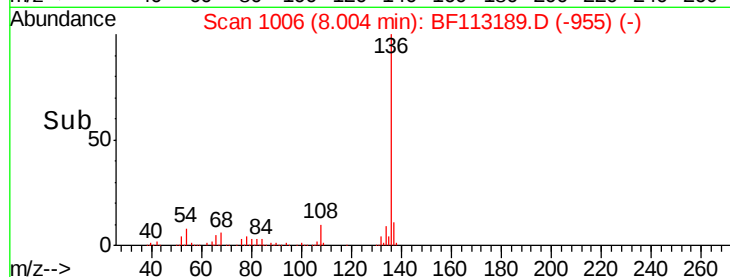
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	441238
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	8.2	7.0 10.6
68	5.9	5.0 7.4

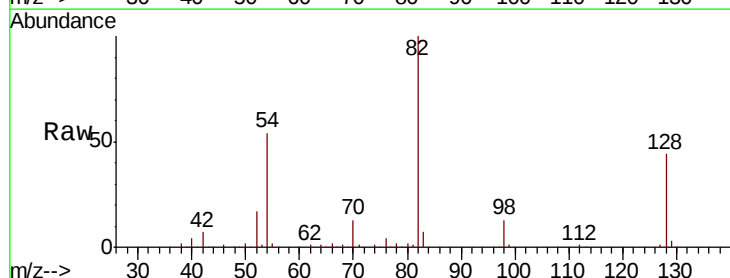


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

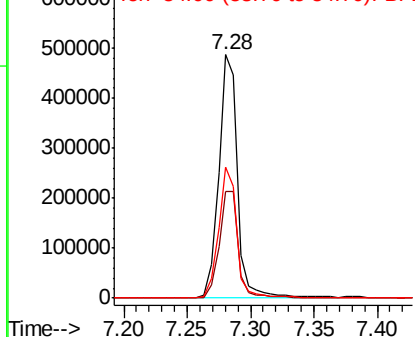
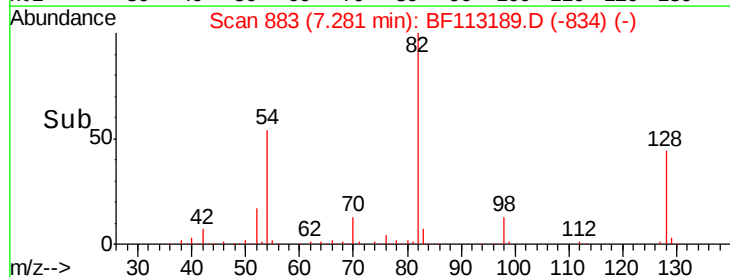


#23
Nitrobenzene-d5
Concen: 68.541 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Tgt Ion: 82	Resp:	505416
Ion Ratio	Lower	Upper
82	100	
128	43.9	37.9 56.9
54	53.8	41.2 61.8



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: 30.890 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

Instrument :

BNA_F

ClientSampled :

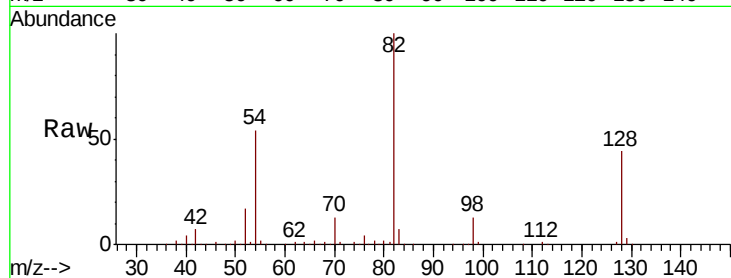
Tot Ion: 82 Resp: 490719

Ion Ratio Lower Upper

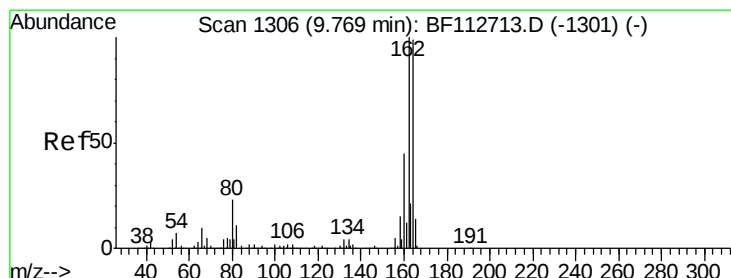
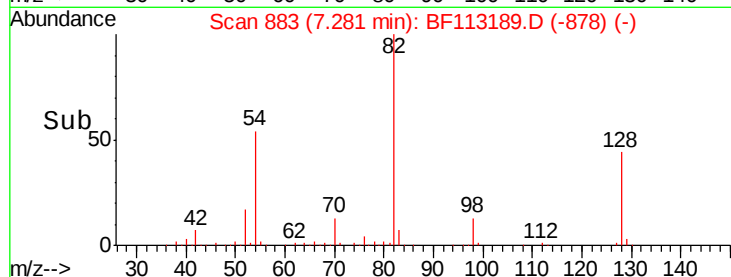
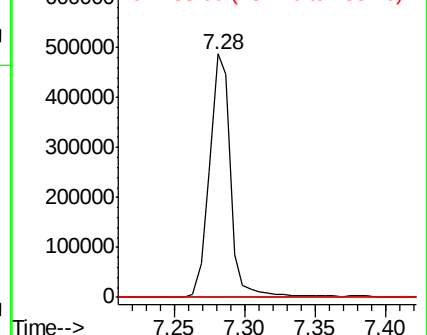
82 100

95 0.0 5.6 8.4#

138 0.0 14.5 21.7#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

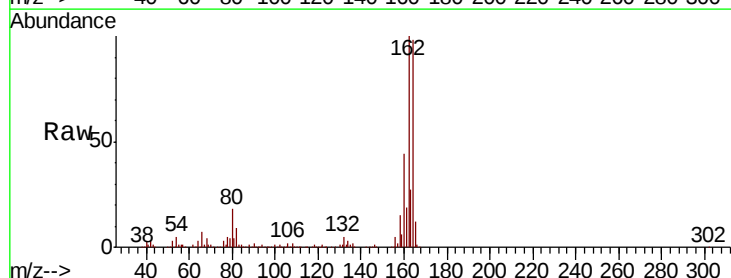
Tgt Ion: 164 Resp: 213167

Ion Ratio Lower Upper

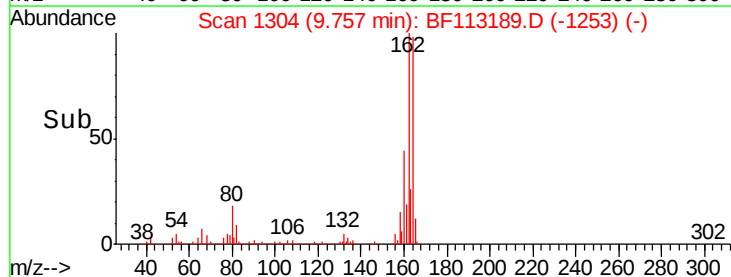
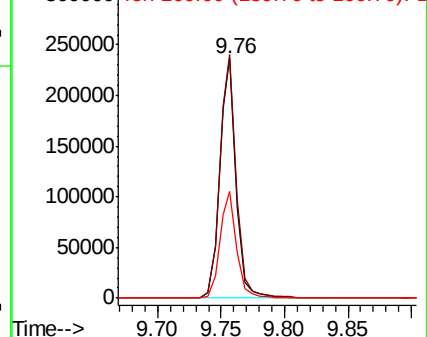
164 100

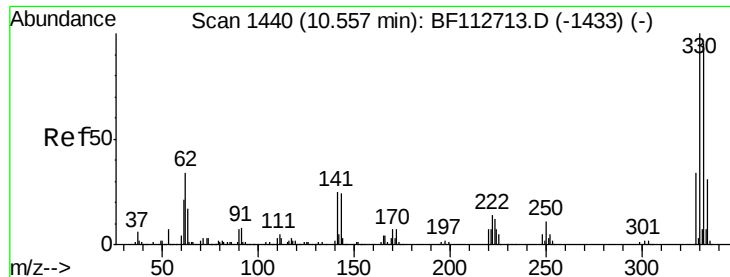
162 101.7 80.8 121.2

160 44.7 36.2 54.2



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





#42

2,4,6-Tribromophenol

Concen: 31.082 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

Instrument :

BNA_F

ClientSampled :

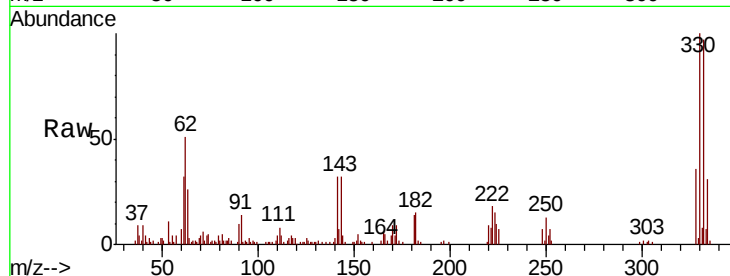
Tot Ion:330 Resp: 70339

Ion Ratio Lower Upper

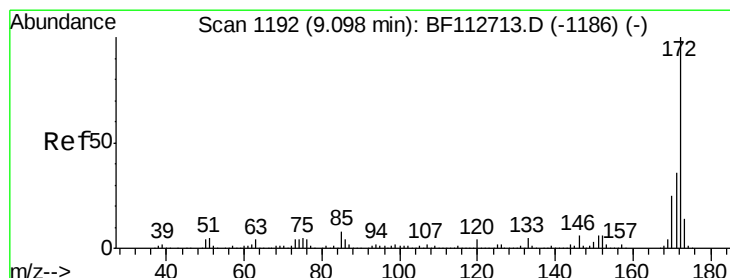
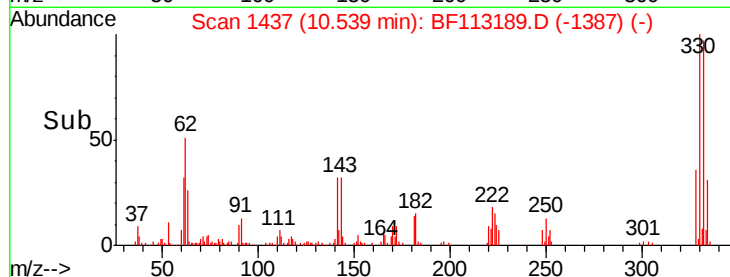
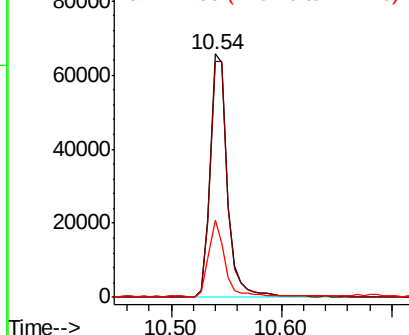
330 100

332 97.5 76.3 114.5

141 29.9 22.3 33.5



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



#45

2-Fluorobiphenyl

Concen: 80.075 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

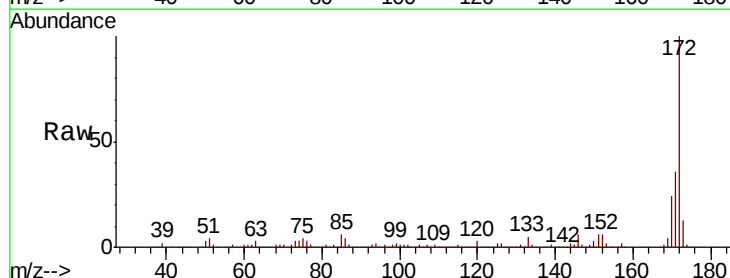
Tgt Ion:172 Resp: 1046150

Ion Ratio Lower Upper

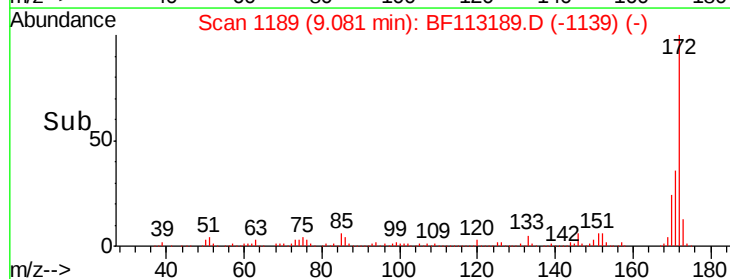
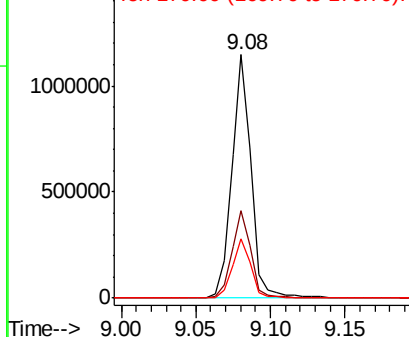
172 100

171 35.7 29.0 43.4

170 24.1 20.1 30.1



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

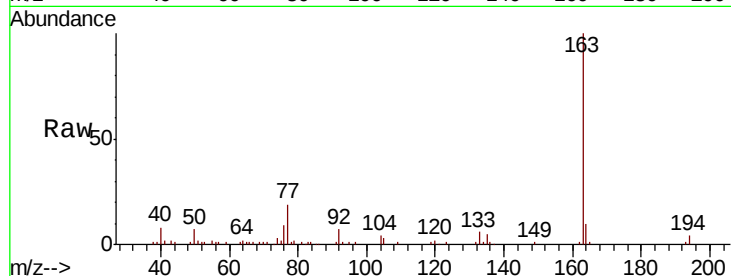




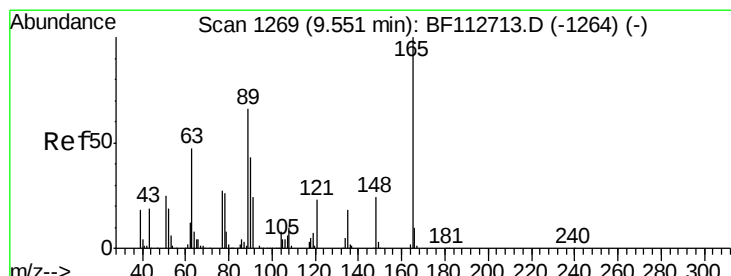
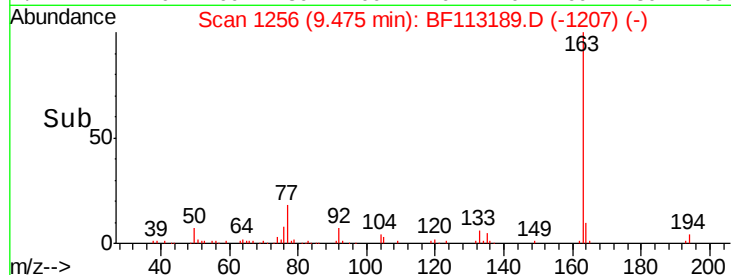
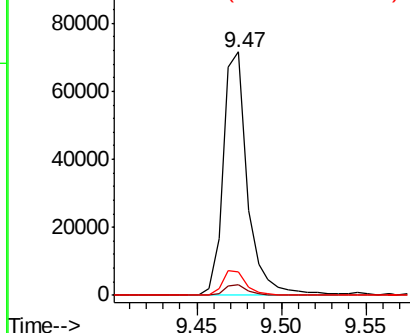
#50
Dimethylphthalate
Concen: 4.588 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 72118
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 9.9 8.6 12.8

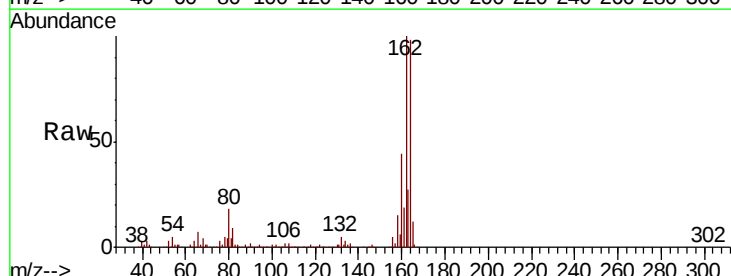


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

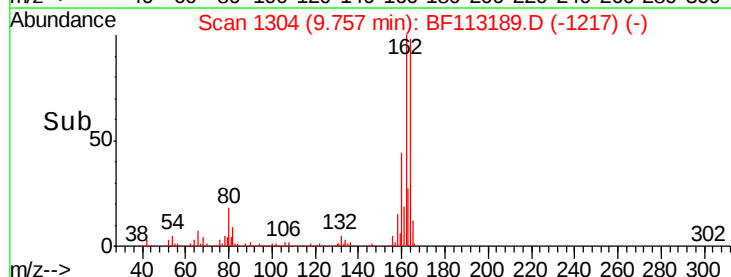
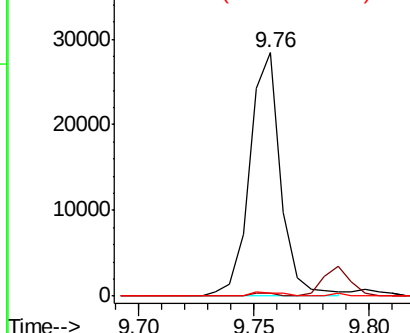


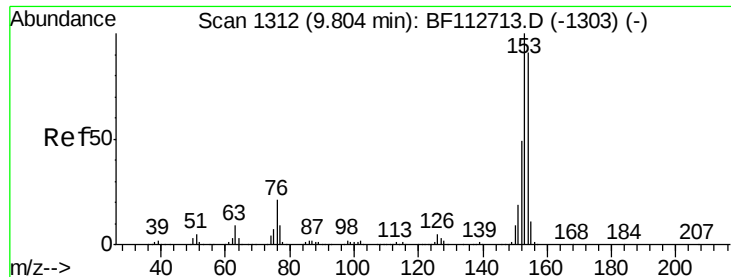
#51
2,6-Dinitrotoluene
Concen: 8.158 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Tgt Ion:165 Resp: 26701
Ion Ratio Lower Upper
165 100
63 1.2 45.4 68.2#
89 1.4 43.8 65.6#



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





#52

Acenaphthene

Concen: 2.664 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

Instrument :

BNA_F

ClientSampleId :

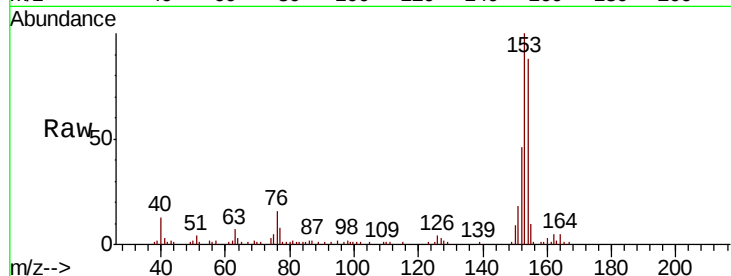
Tot Ion:154 Resp: 35909

Ion Ratio Lower Upper

154 100

153 113.2 89.9 134.9

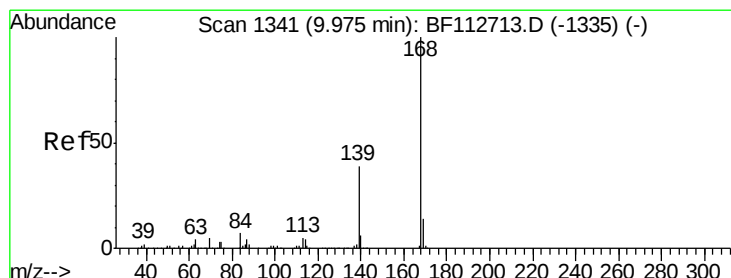
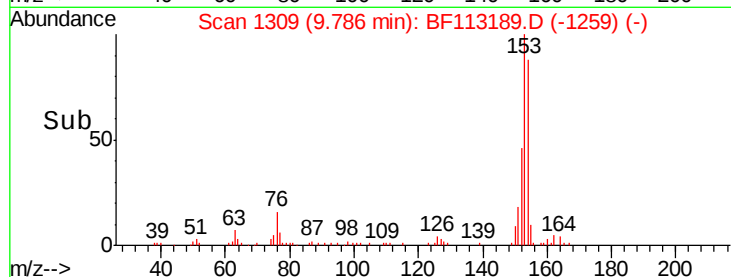
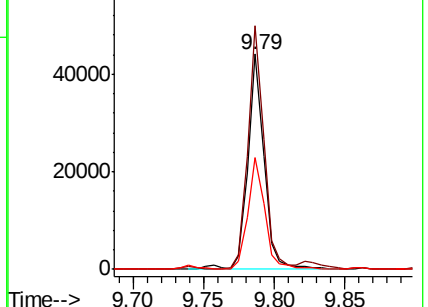
152 51.8 43.4 65.2



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



#55

Dibenzofuran

Concen: 2.604 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

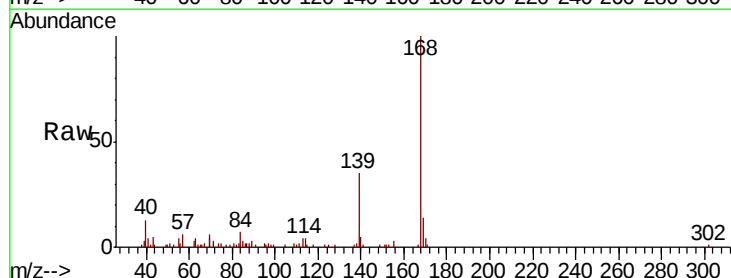
Tgt Ion:168 Resp: 51018

Ion Ratio Lower Upper

168 100

139 35.3 30.7 46.1

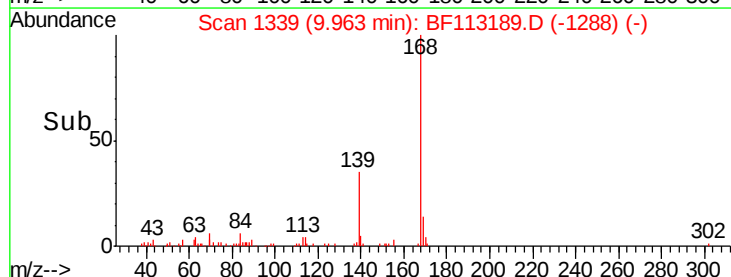
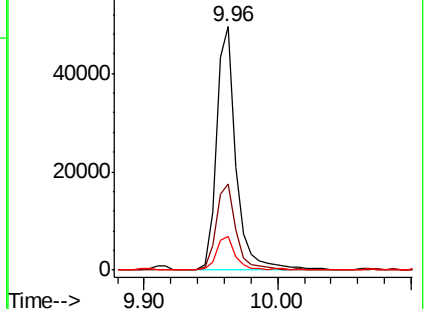
169 13.9 11.0 16.6

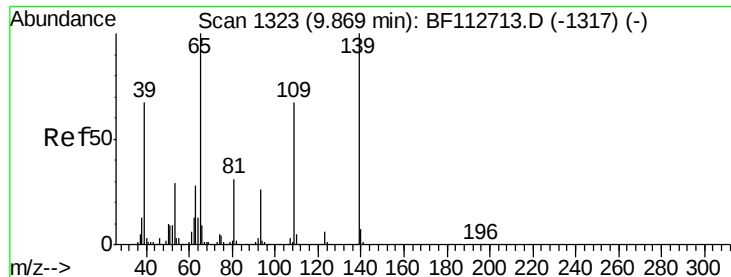


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

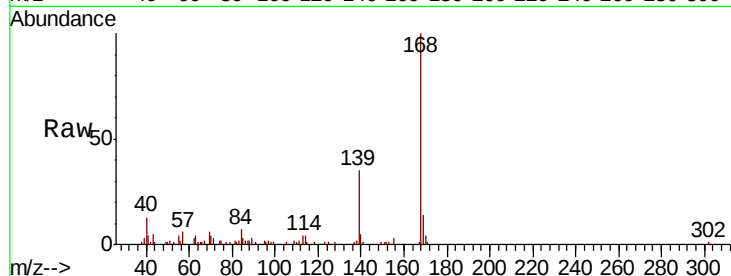




#56
4-Nitrophenol
Concen: 5.705 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.08 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	4.4	45.4	85.4#
65	2.2	80.1	120.1#

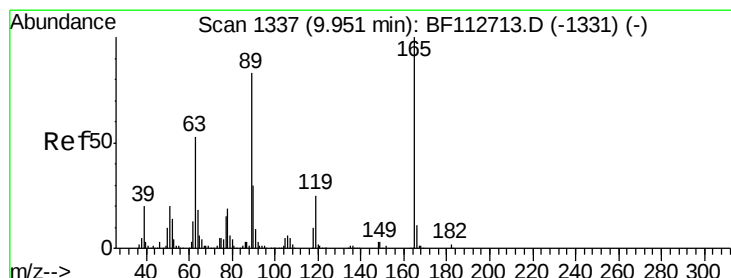
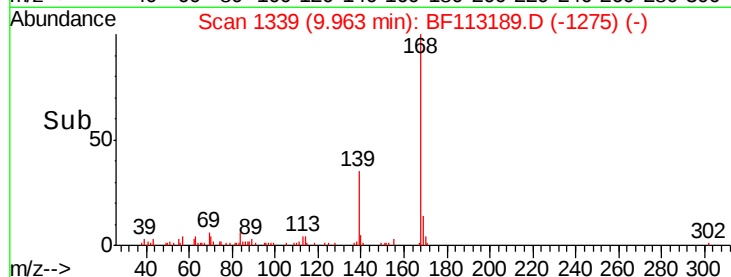
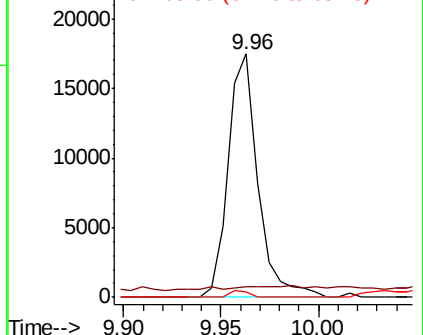


Abundance

Ion 139.00 (138.70 to 139.70): E

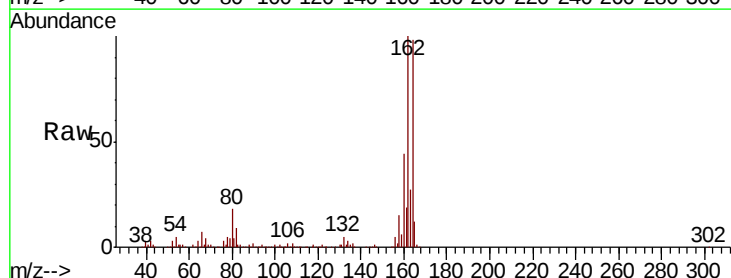
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.563 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.9	56.9#
89	1.4	58.5	87.7#
182	0.0	2.2	3.2#



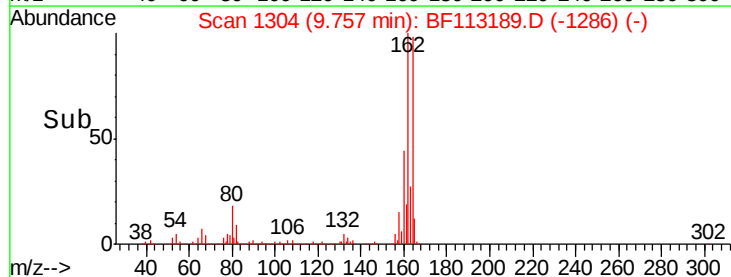
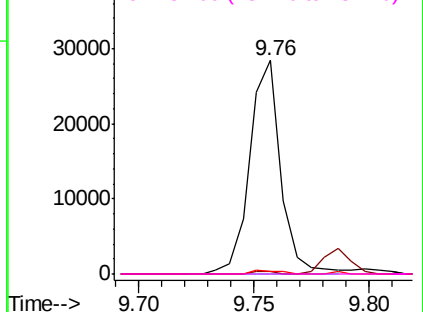
Abundance

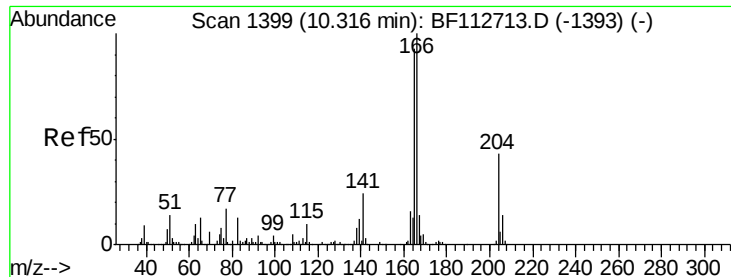
Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 3.332 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

Instrument :

BNA_F

ClientSampleId :

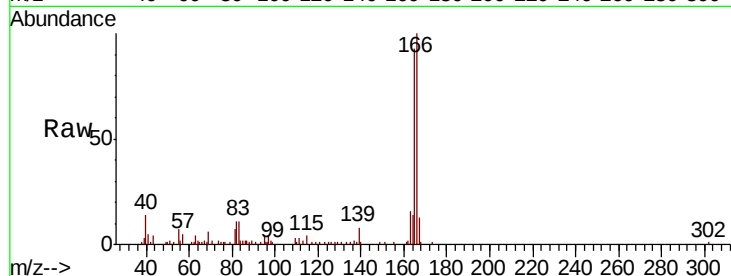
Tot Ion:166 Resp: 46329

Ion Ratio Lower Upper

166 100

165 92.7 75.4 113.2

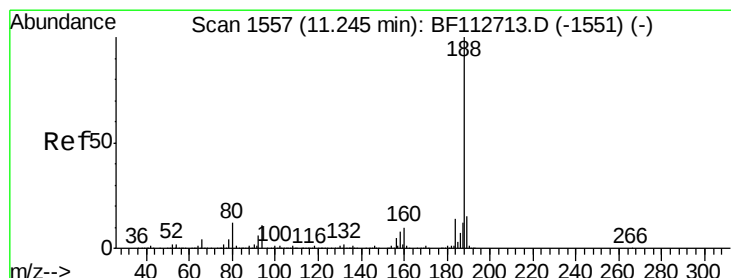
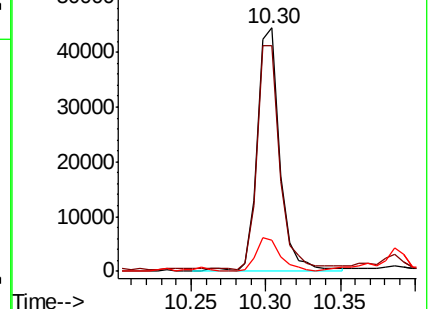
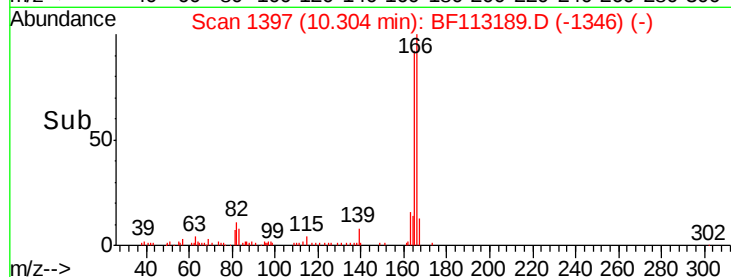
167 12.9 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

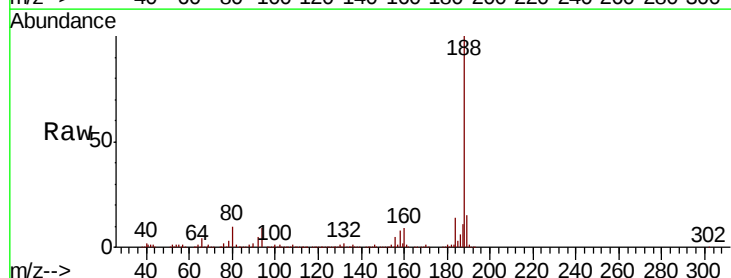
Tgt Ion:188 Resp: 400159

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

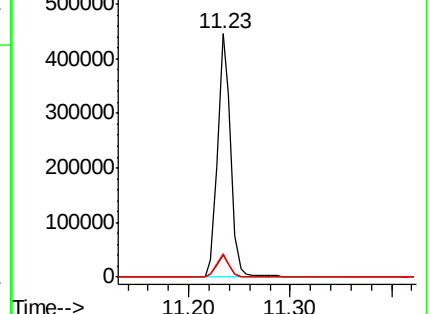
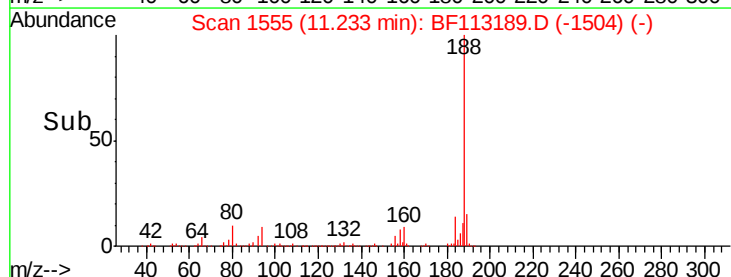
80 9.7 7.9 11.9

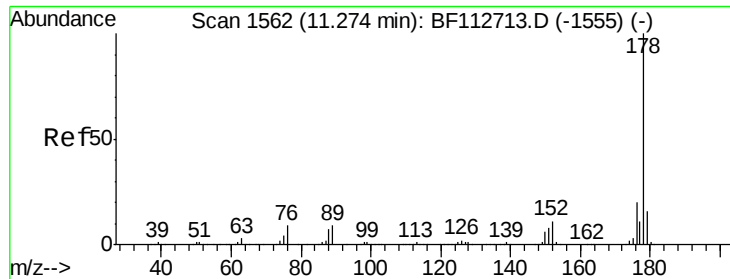


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

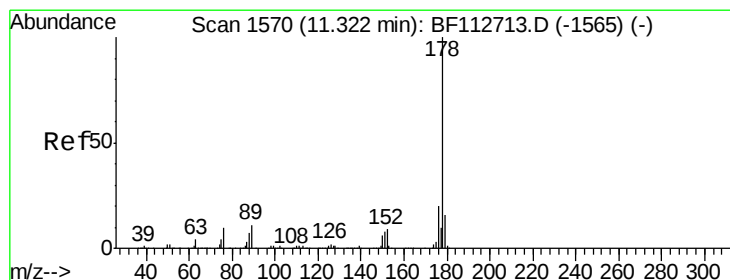
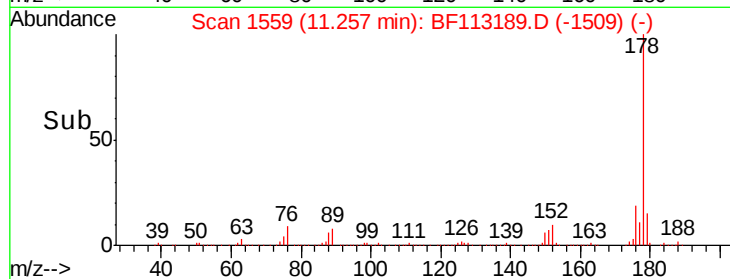
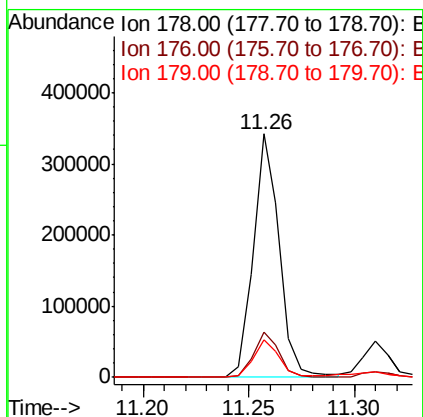
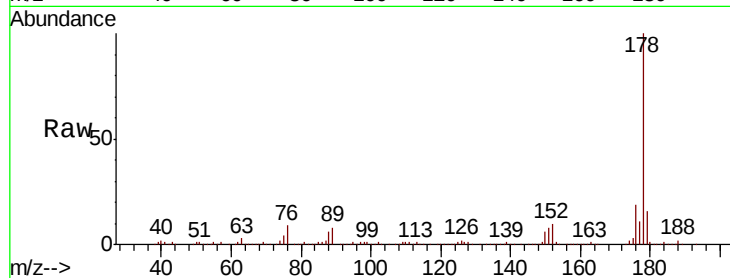




#71
Phenanthrene
Concen: 14.650 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

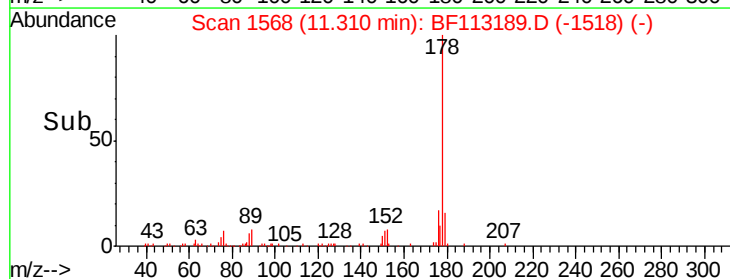
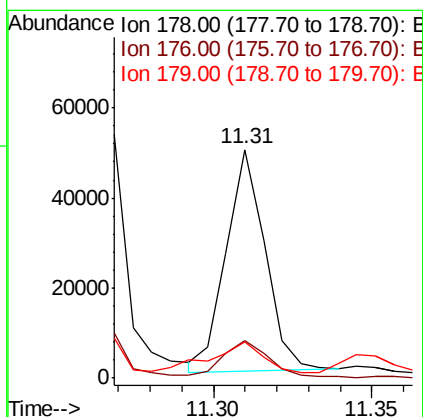
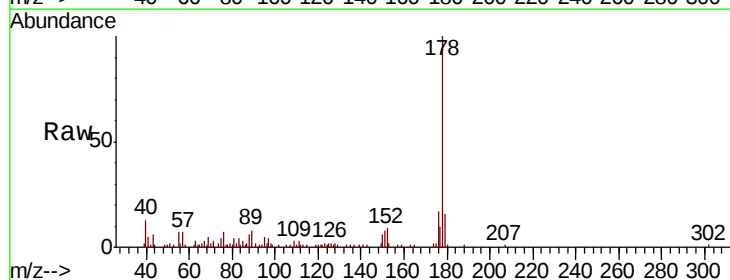
Instrument :
BNA_F
ClientSampleId :

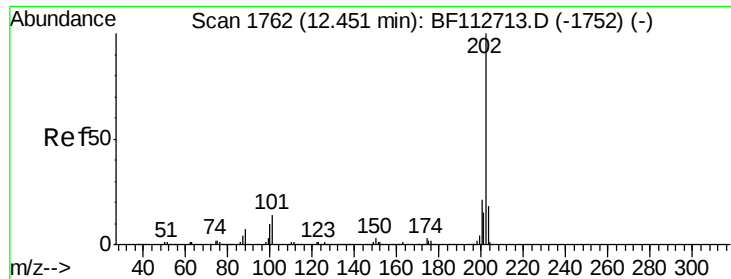
Tot Ion:178 Resp: 291668
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.5 13.0 19.4



#72
Anthracene
Concen: 2.007 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Tgt Ion:178 Resp: 41832
Ion Ratio Lower Upper
178 100
176 16.5 15.7 23.5
179 15.8 12.4 18.6





#75

Fluoranthene

Concen: 13.603 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF113189.D

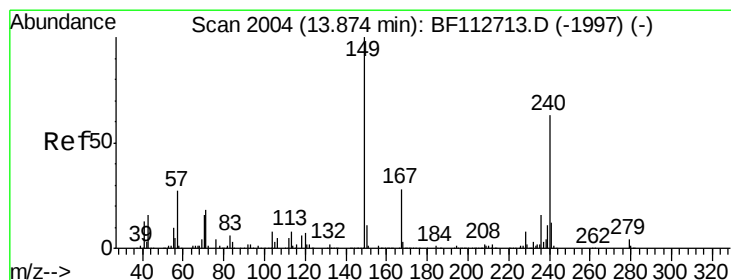
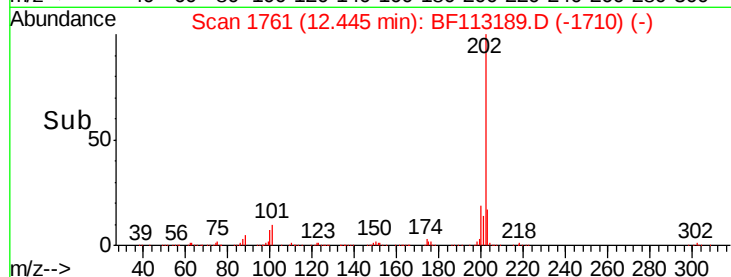
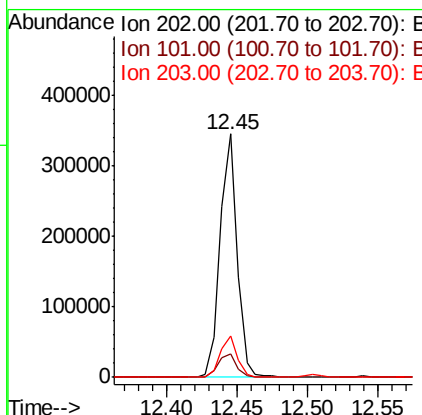
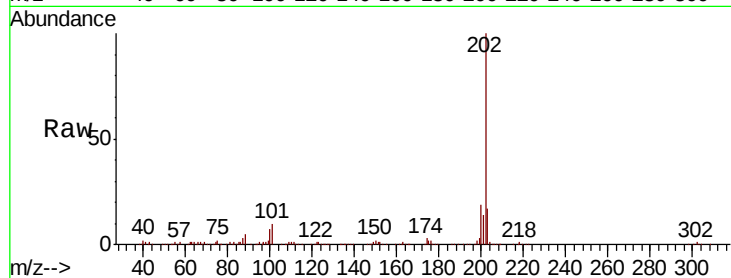
Acq: 21 Mar 2019 00:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	290157
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.9
203	17.1	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

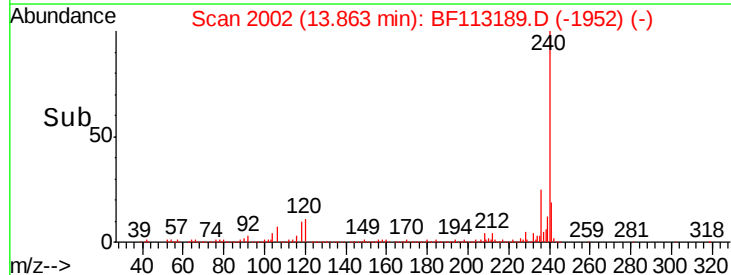
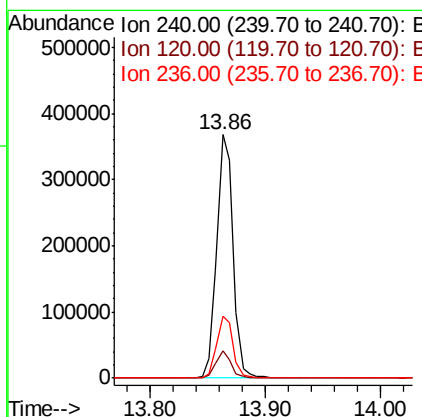
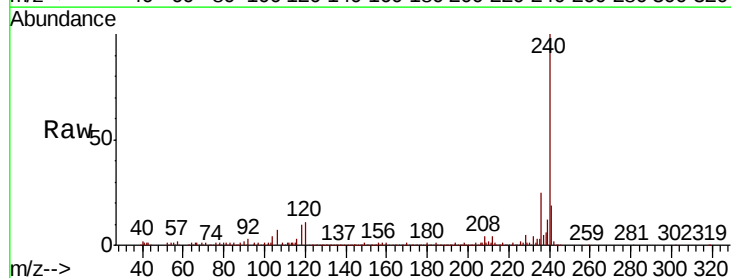
RT: 13.86 min Scan# 2002

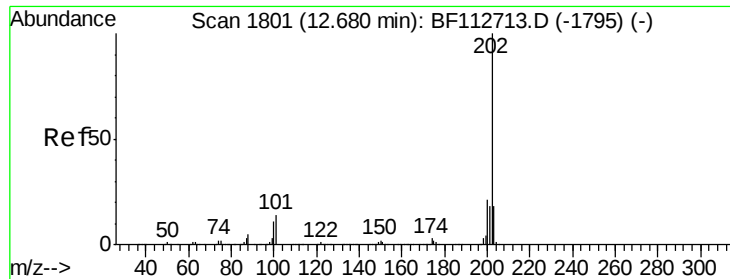
Delta R.T. -0.01 min

Lab File: BF113189.D

Acq: 21 Mar 2019 00:56

Tgt Ion:	240	Resp:	361846
Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	12.8
236	25.4	21.2	31.8

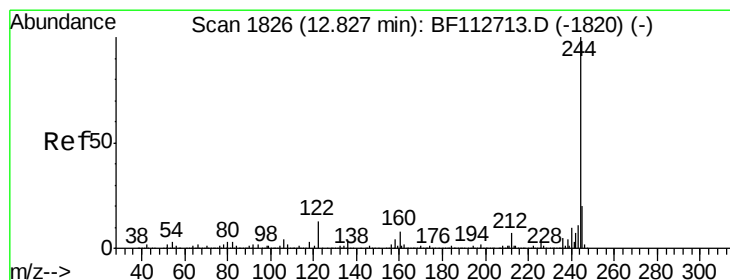
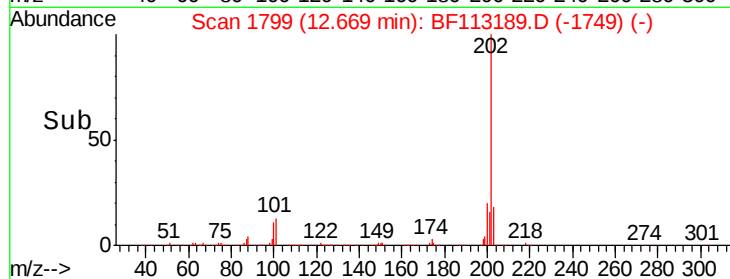
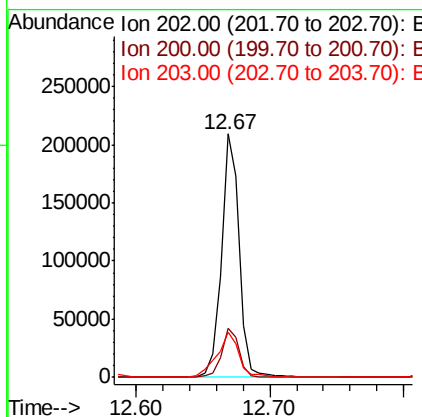
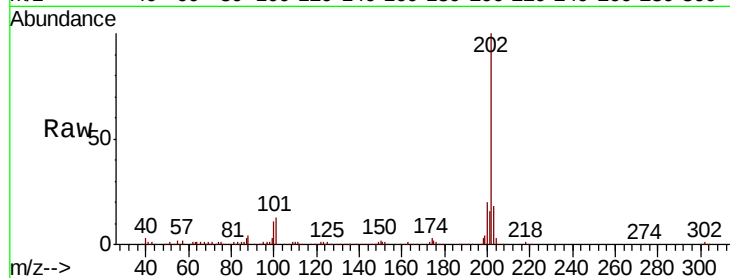




#78
Pvrene
Concen: 6.460 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

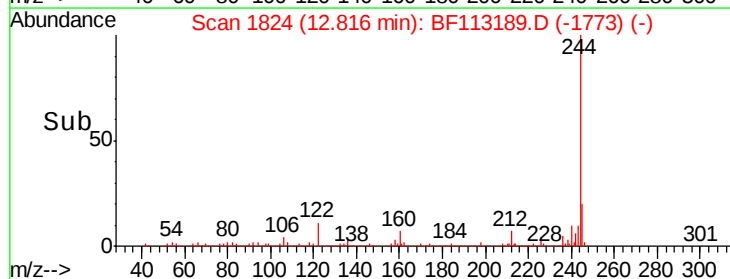
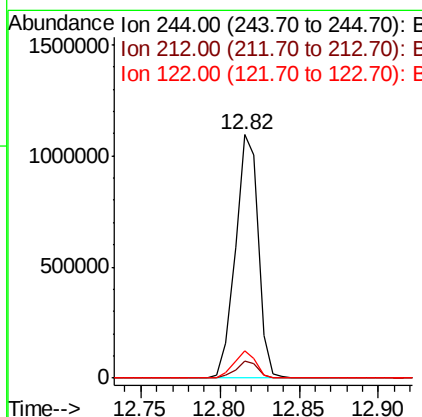
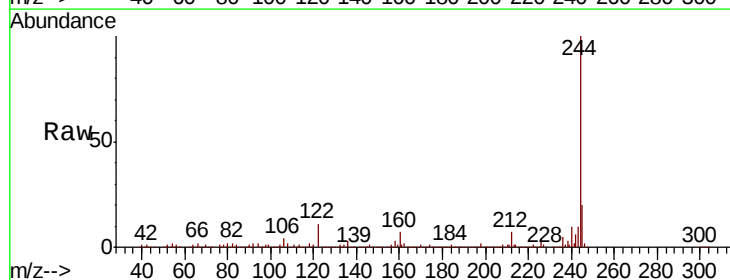
Instrument :
BNA_F
ClientSampled :

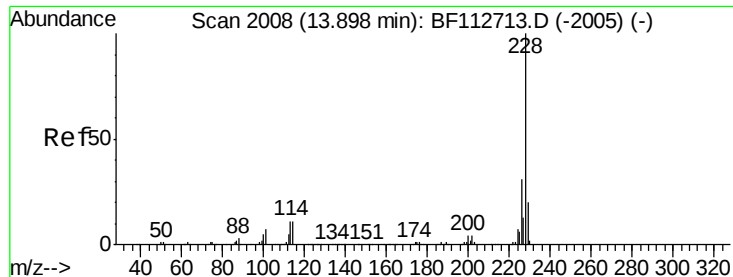
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.1	25.7
203	18.5	14.6	21.8



#79
Terphenyl-d14
Concen: 58.552 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.4	9.4	14.2

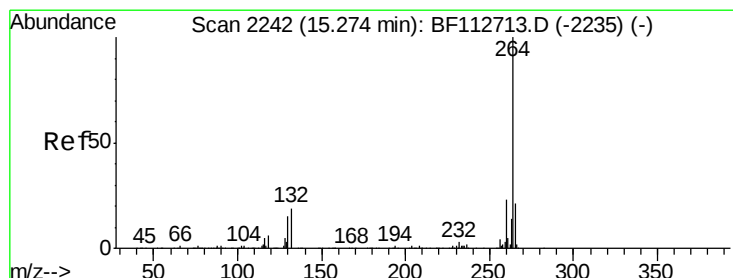
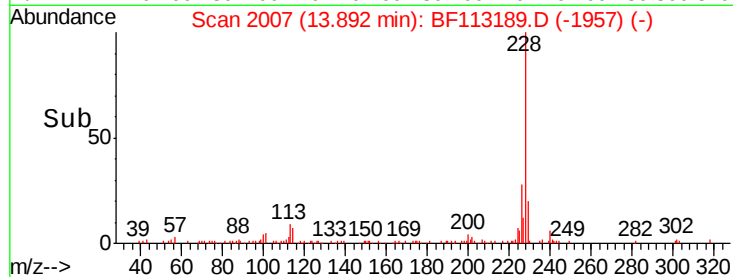
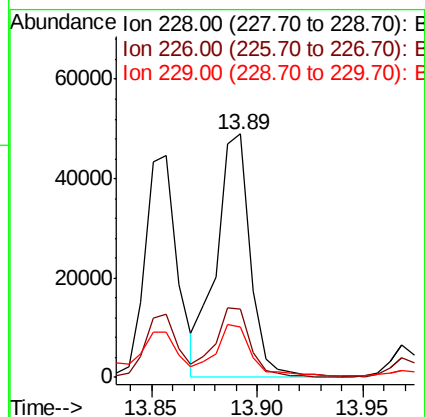
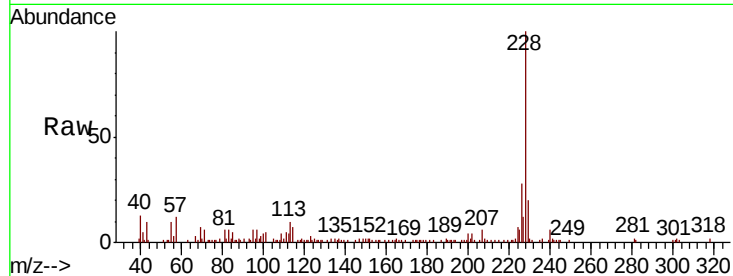




#83
 Chrysene
 Concen: 2.245 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF113189.D
 Acq: 21 Mar 2019 00:56

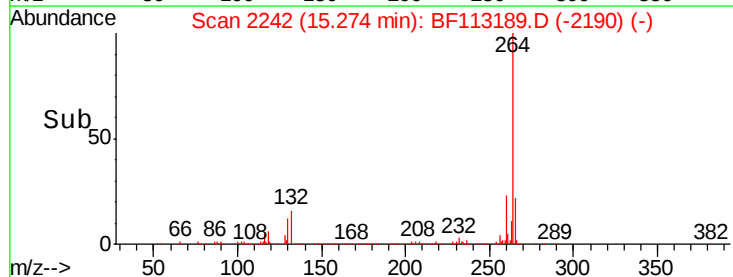
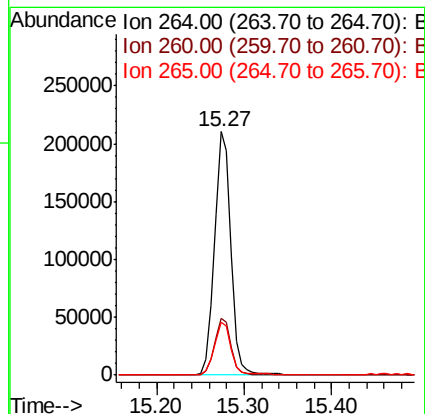
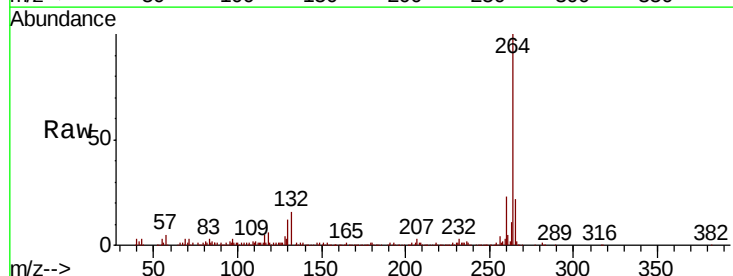
Instrument :
 BNA_F
 ClientSampleId :

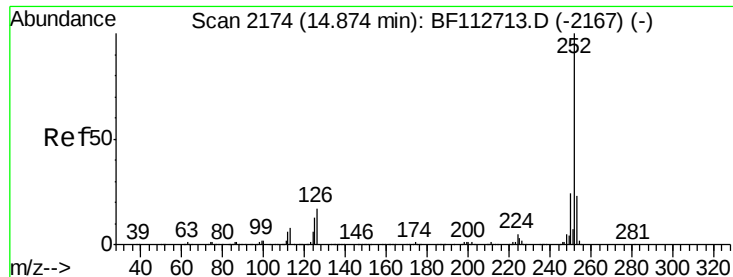
Tot Ion:228 Resp: 55153
 Ion Ratio Lower Upper
 228 100
 226 28.1 24.6 36.8
 229 20.4 16.2 24.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: BF113189.D
 Acq: 21 Mar 2019 00:56

Tgt Ion:264 Resp: 275011
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.8 17.7 26.5

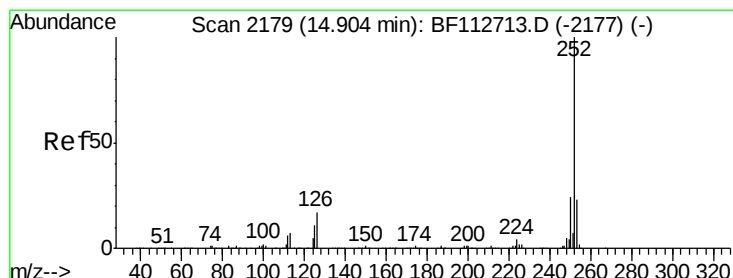
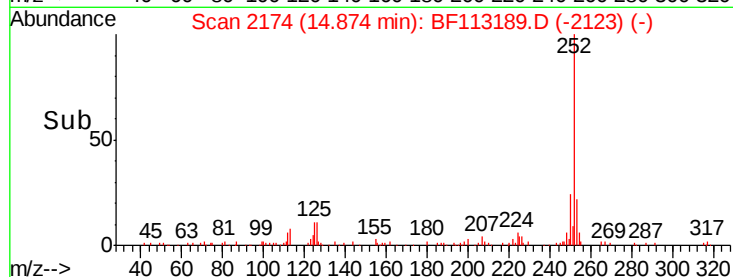
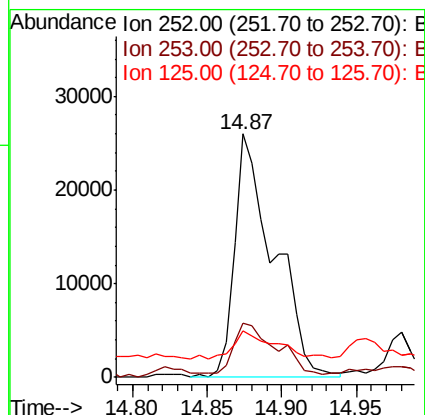
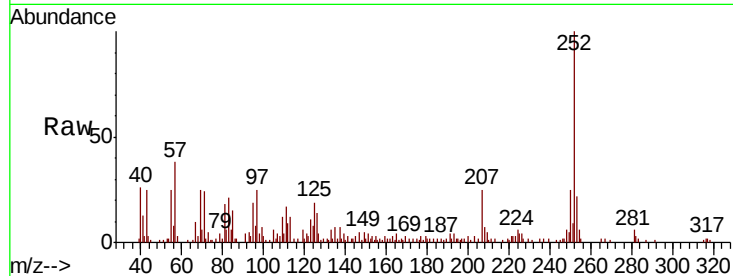




#88
Benzo(b)fluoranthene
Concen: 2.690 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 47855
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.4
125 19.0 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 2.970 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113189.D
Acq: 21 Mar 2019 00:56

Tgt Ion:252 Resp: 47855
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 19.0 8.2 12.2#

