

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113980.D
 Acq On : 25 Apr 2019 16:31
 Operator : JU/SJ
 Sample : K2553-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 23:16:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	107391	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	400680	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	215594	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	447560	20.00	ng	0.00
76) Chrysene-d12	14.06	240	439088	20.00	ng	-0.01
87) Perylene-d12	15.55	264	463956	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	801357	127.63	ng	0.00
7) Phenol-d6	6.52	99	1044831	132.63	ng	0.00
23) Nitrobenzene-d5	7.45	82	628071	96.78	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	371642	141.50	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1272922	92.34	ng	0.00
79) Terphenyl-d14	13.00	244	1646793	76.89	ng	0.00

Target Compounds

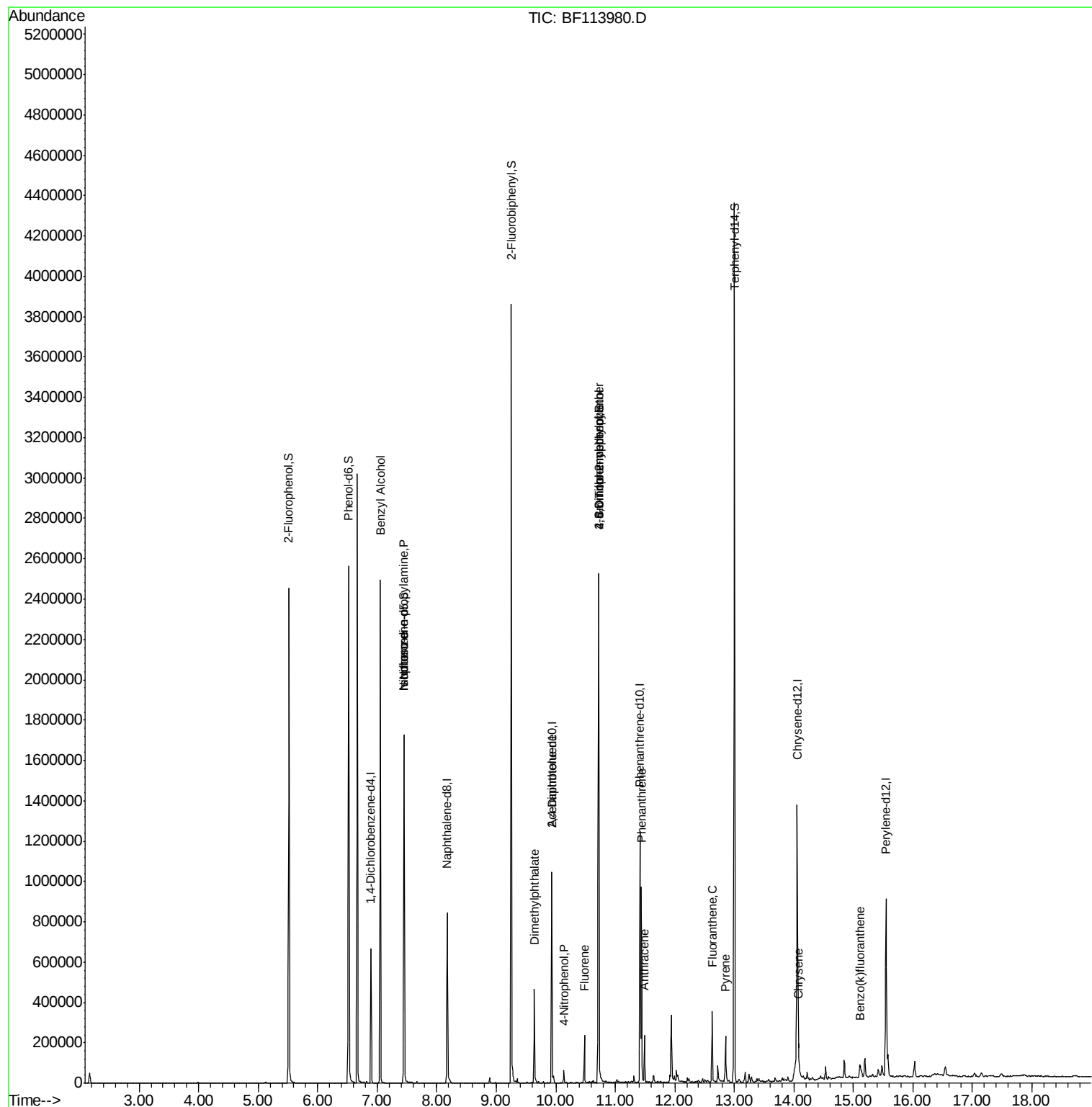
						Qvalue
9) Benzaldehyde	6.67	77	18736	Below Cal		87
15) Benzyl Alcohol	7.05	79	10834	2.042 ng	#	54
19) n-Nitroso-di-n-propylamine	7.45	70	83211	16.311 ng	#	79
25) Isophorone	7.45	82	628066	47.300 ng	#	65
50) Dimethylphthalate	9.64	163	192036	12.316 ng		99
56) 4-Nitrophenol	10.13	139	8864	3.185 ng	#	12
57) 2,4-Dinitrotoluene	9.93	165	27388	6.487 ng	#	29
58) Fluorene	10.48	166	73689	5.273 ng		98
65) 4,6-Dinitro-2-methylphenol	10.72	198	626	7.567 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	22851	4.226 ng	#	1
71) Phenanthrene	11.44	178	344783	15.329 ng		98
72) Anthracene	11.49	178	101949	4.488 ng		97
75) Fluoranthene	12.63	202	132767	5.410 ng		96
78) Pyrene	12.86	202	96867	3.155 ng		95
83) Chrysene	14.08	228	50765	2.015 ng		99
89) Benzo(k)fluoranthene	15.11	252	51142	2.025 ng		98

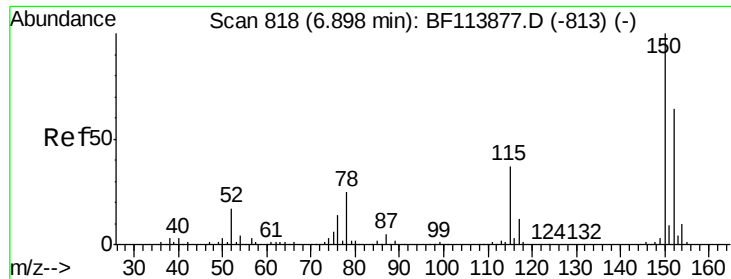
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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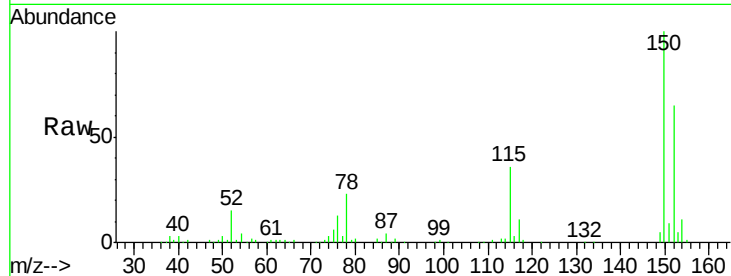


#1

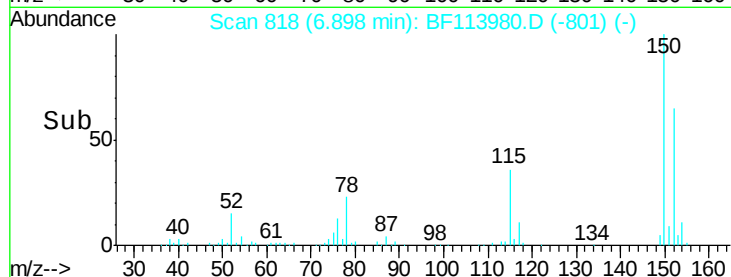
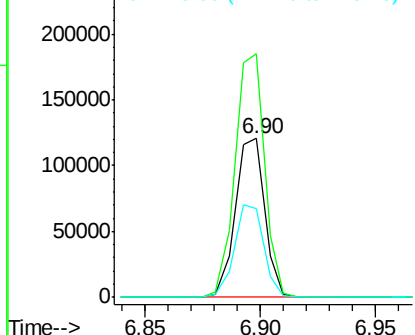
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.9	188.9
115	55.6	45.9	68.9



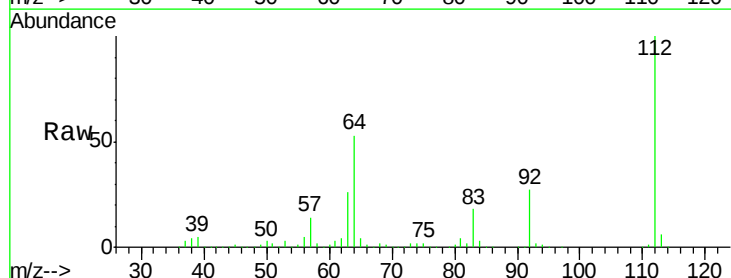
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



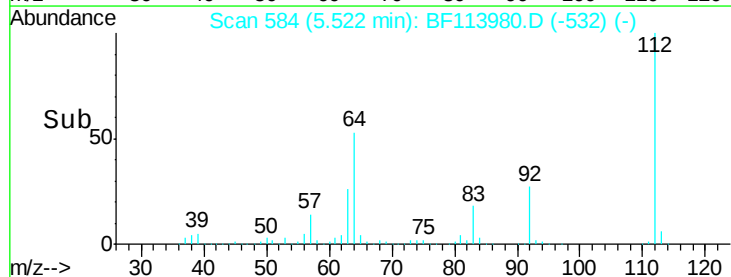
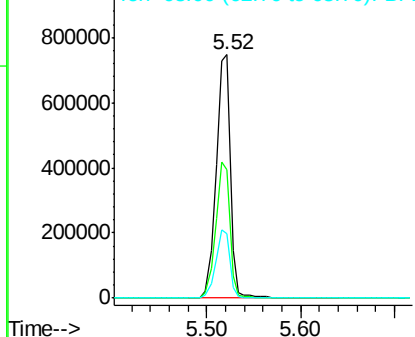
#5

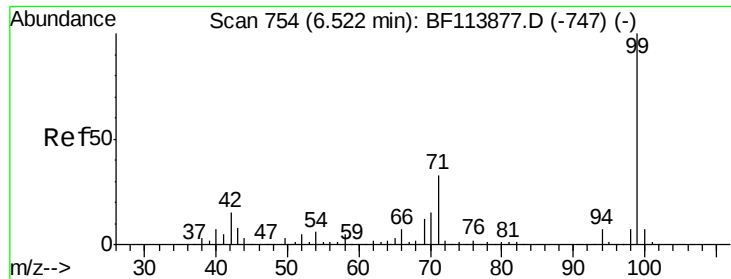
2-Fluorophenol
Concen: 127.628 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	46.6	69.8
63	26.5	23.1	34.7



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: 132.633 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

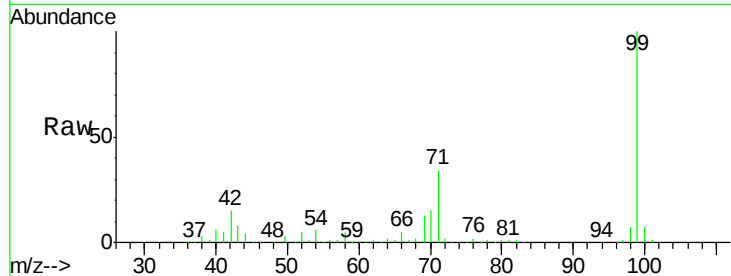
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1044831

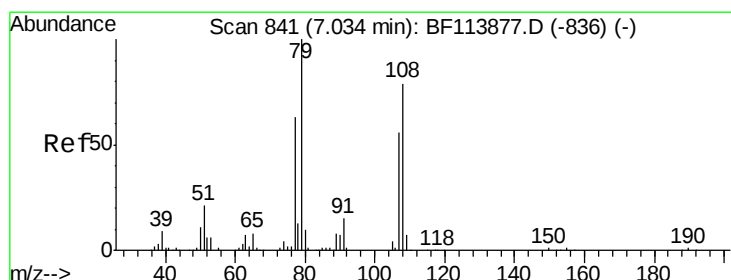
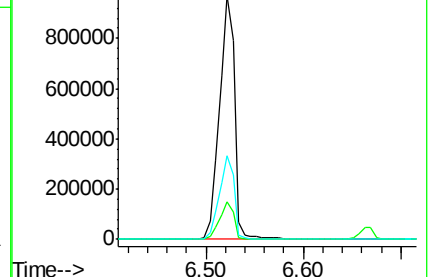
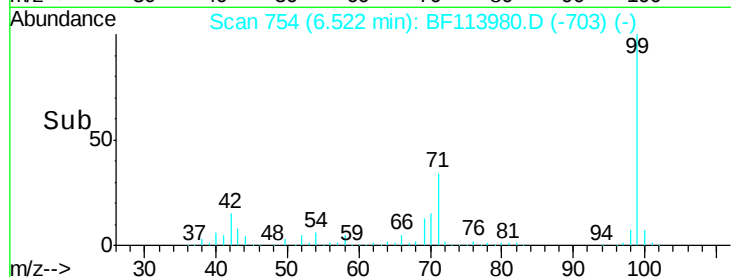
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.5	18.7
71	34.3	26.9	40.3



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



#15

Benzyl Alcohol

Concen: 2.042 ng

RT: 7.05 min Scan# 844

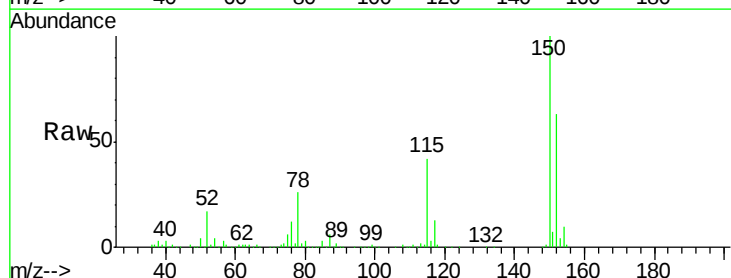
Delta R.T. 0.02 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

Tgt Ion: 79 Resp: 10834

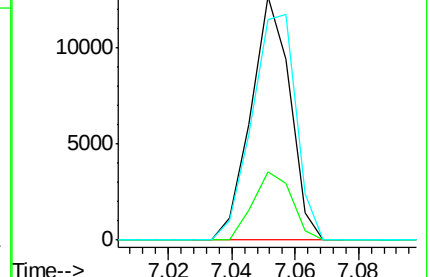
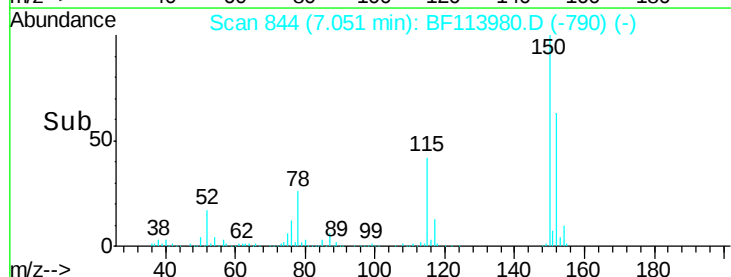
Ion	Ratio	Lower	Upper
79	100		
108	27.9	61.4	92.0#
77	90.9	51.6	77.4#

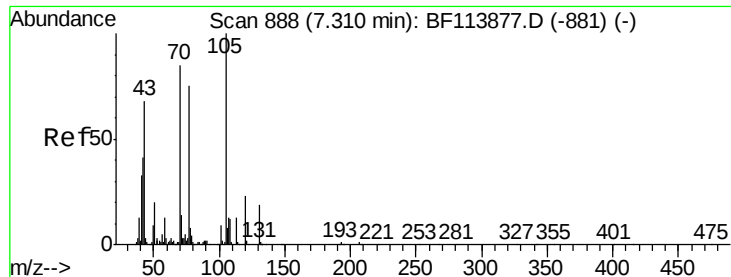


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

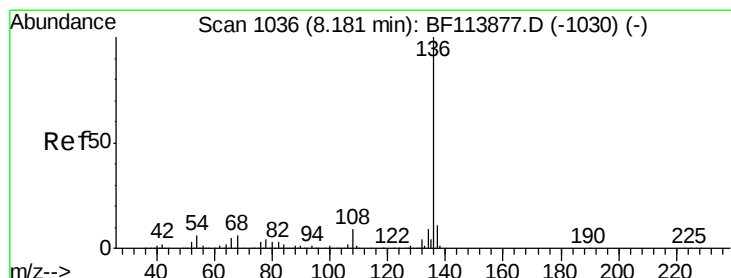
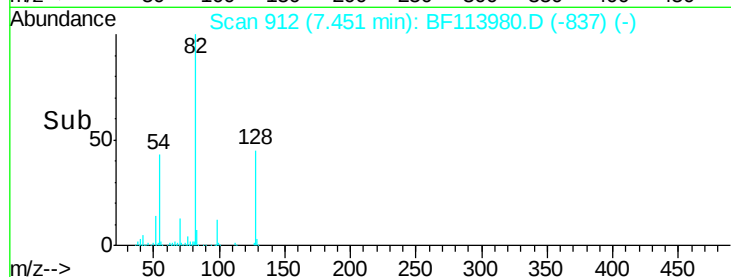
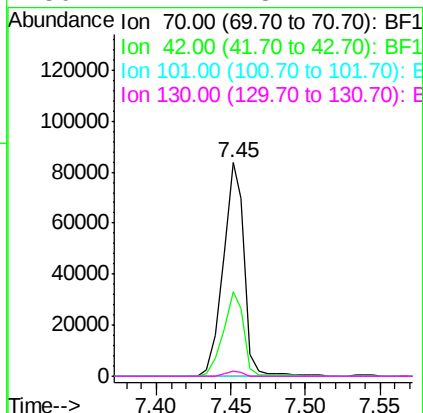
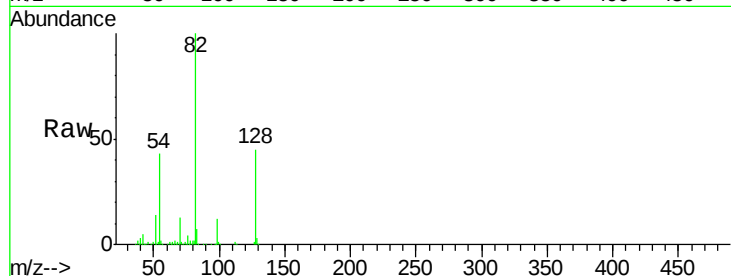




#19
n-Nitroso-di-n-propylamine
Concen: 16.311 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

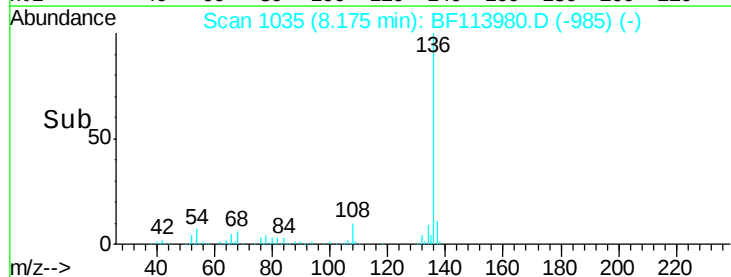
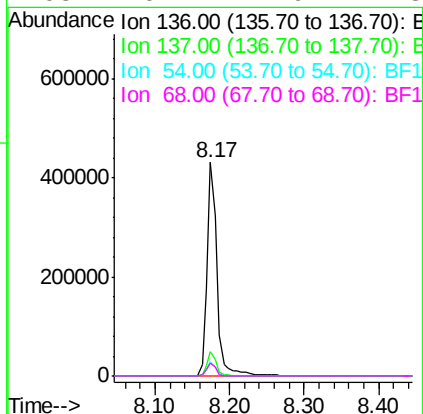
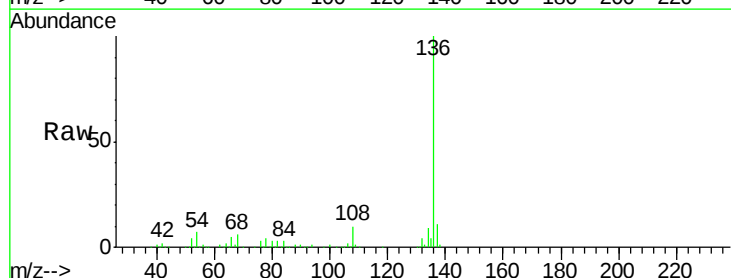
Instrument :
BNA_F
ClientSampleId :

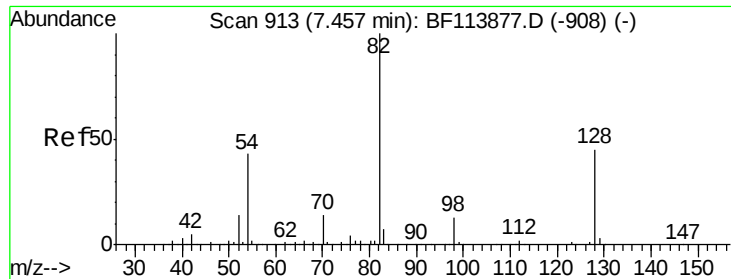
Tot Ion: 70 Resp: 83211
Ion Ratio Lower Upper
70 100
42 39.8 37.3 55.9
101 0.0 7.8 11.8#
130 2.4 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Tgt Ion: 136 Resp: 400680
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 6.6 5.0 7.6
68 6.2 4.9 7.3

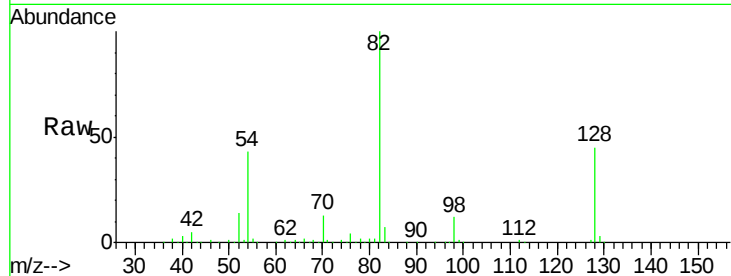




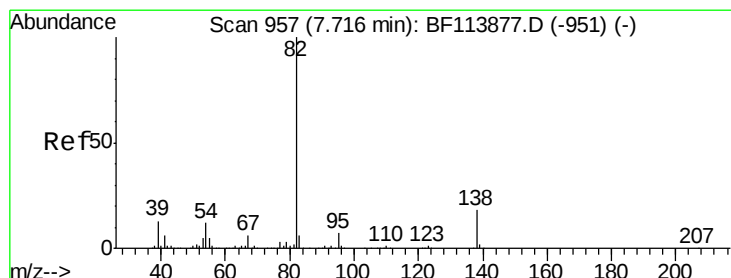
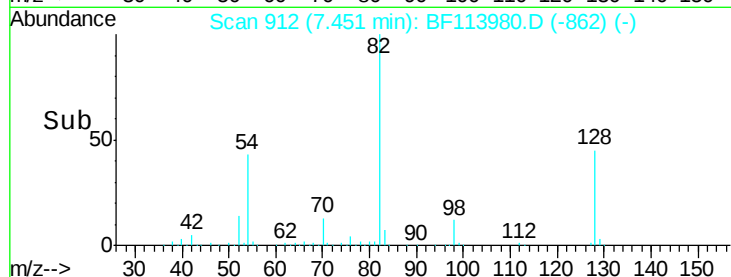
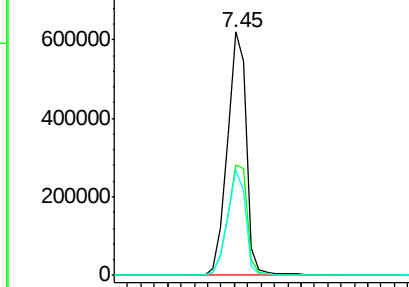
#23
 Nitrobenzene-d5
 Concen: 96.784 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113980.D
 Acq: 25 Apr 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	628071
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.8	55.2
54	43.4	33.8	50.6

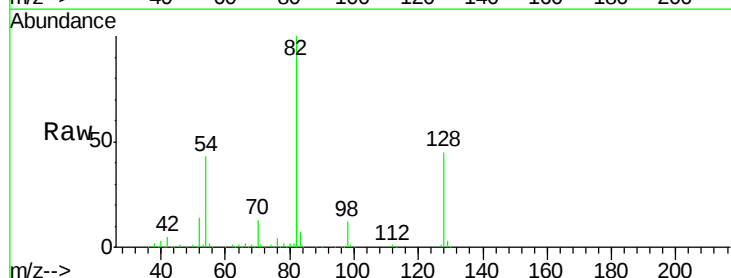


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

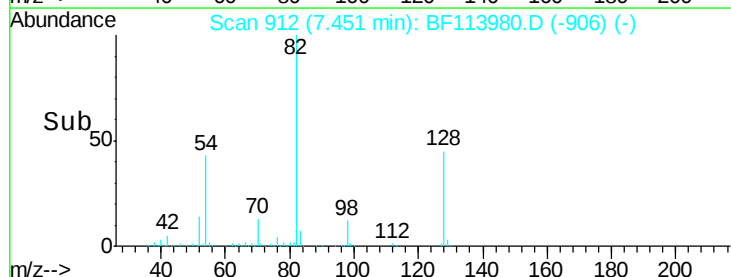
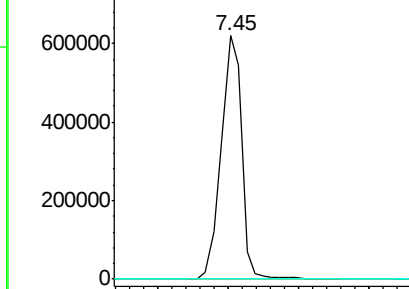


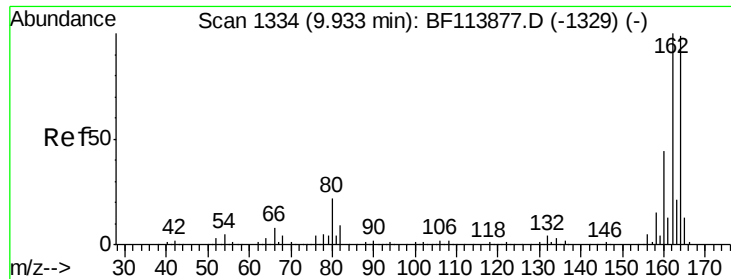
#25
 Isophorone
 Concen: 47.300 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.26 min
 Lab File: BF113980.D
 Acq: 25 Apr 2019 16:31

Tgt Ion	82	Resp	628066
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	22.0#



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

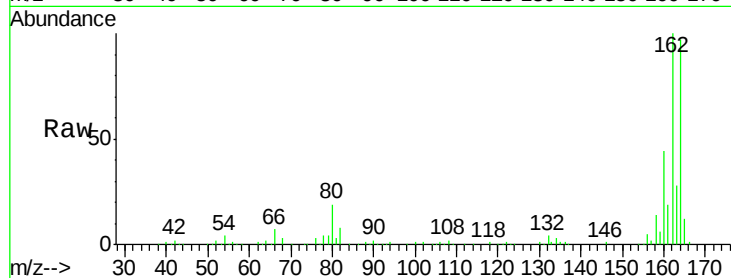




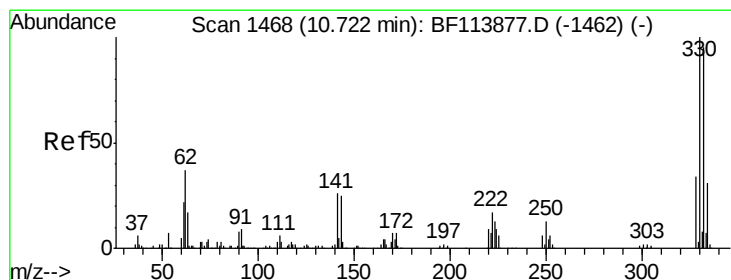
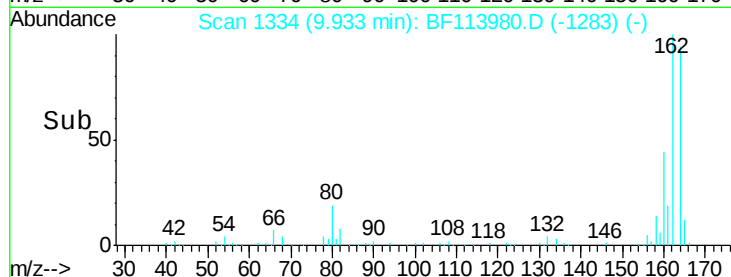
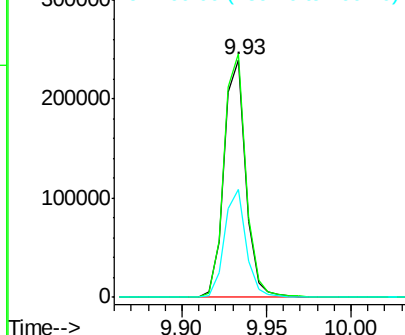
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 215594
Ion Ratio Lower Upper
164 100
162 102.6 81.1 121.7
160 45.5 35.8 53.6

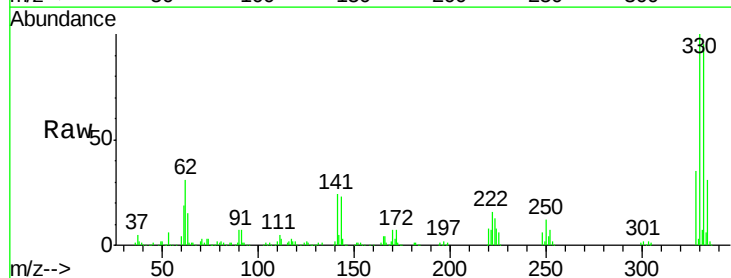


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

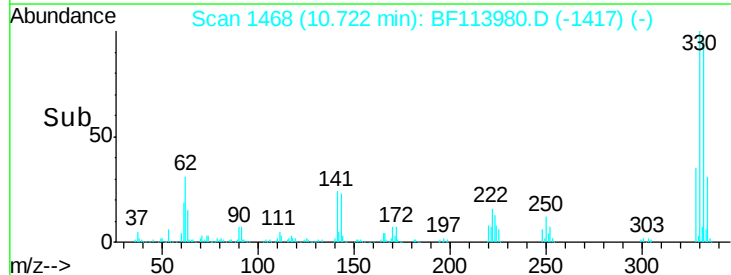
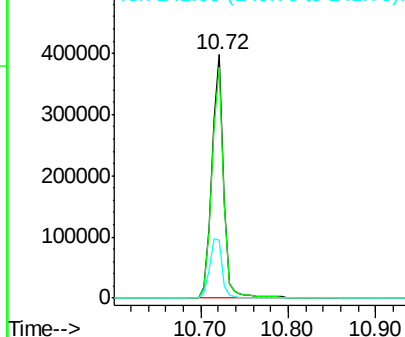


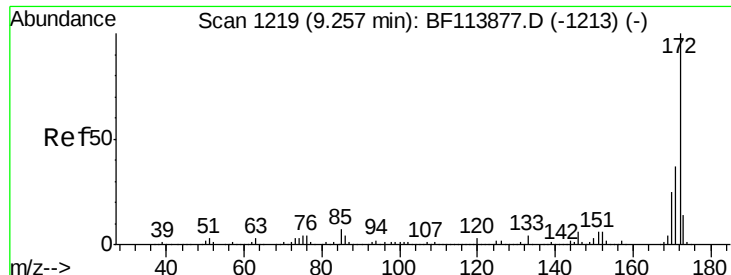
#42
2,4,6-Tribromophenol
Concen: 141.504 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Tgt Ion:330 Resp: 371642
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 27.1 22.2 33.2



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

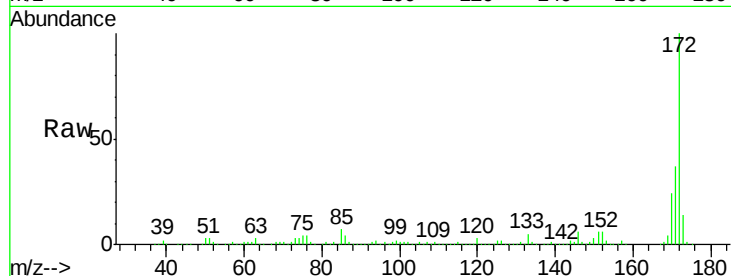




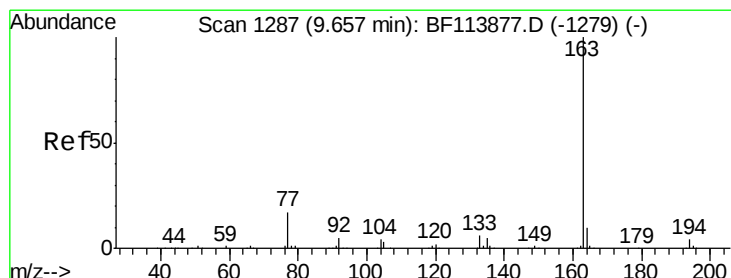
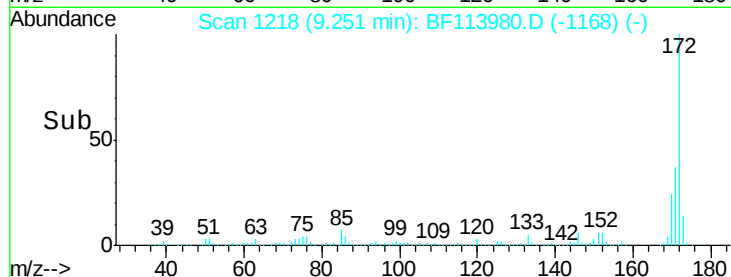
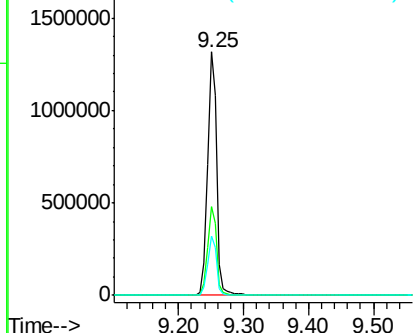
#45
2-Fluorobiphenyl
Concen: 92.344 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1272922
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.2 19.9 29.9

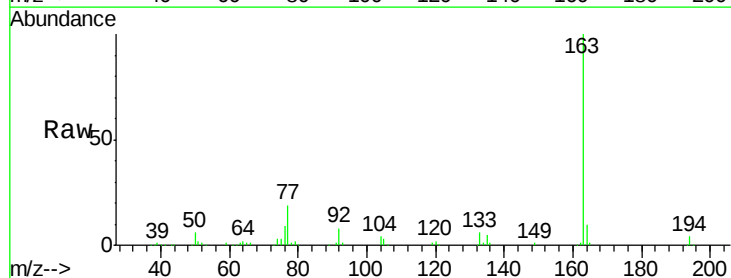


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

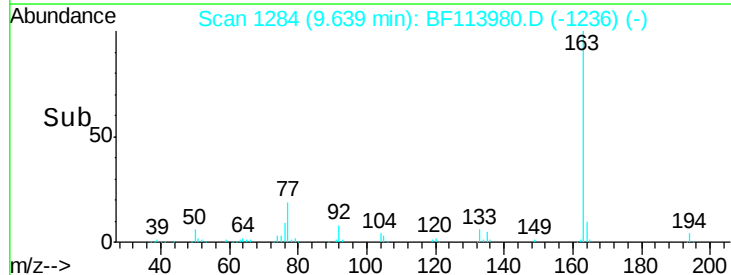
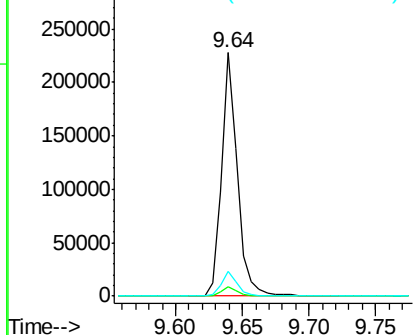


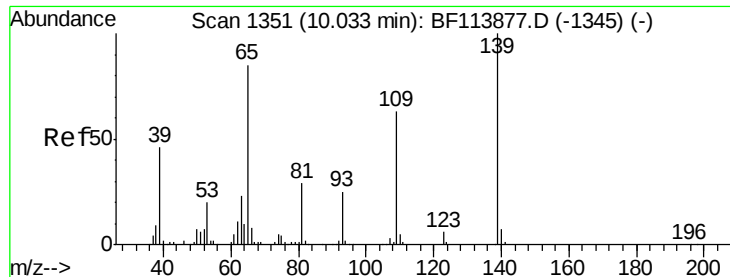
#50
Dimethylphthalate
Concen: 12.316 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Tgt Ion:163 Resp: 192036
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.1 8.5 12.7



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

4-Nitrophenol

Concen: 3.185 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.10 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

Instrument :

BNA_F

ClientSampleId :

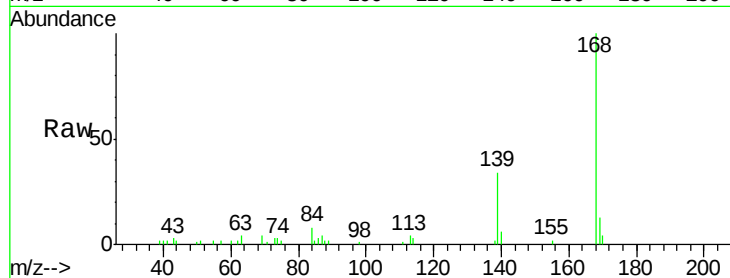
Tot Ion:139 Resp: 8864

Ion Ratio Lower Upper

139 100

109 0.0 42.9 82.9#

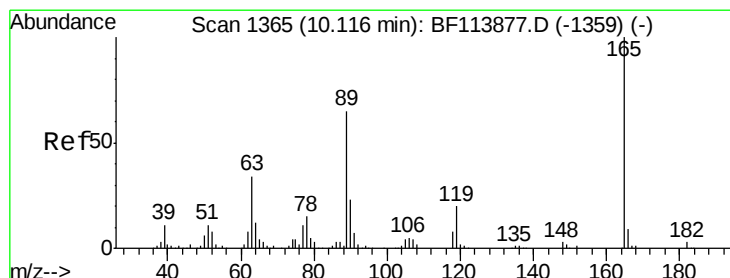
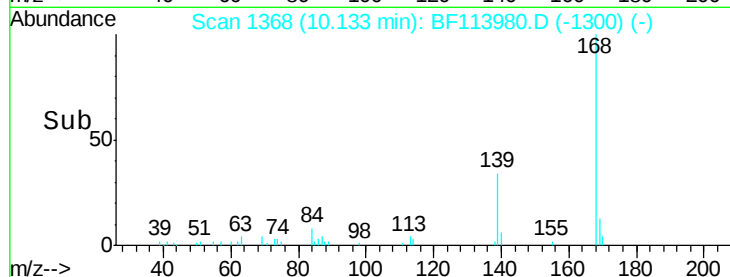
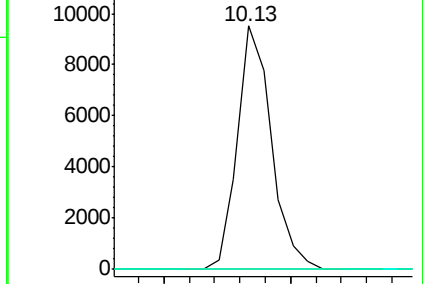
65 0.0 64.4 104.4#



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: 6.487 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

Tgt Ion:165 Resp: 27388

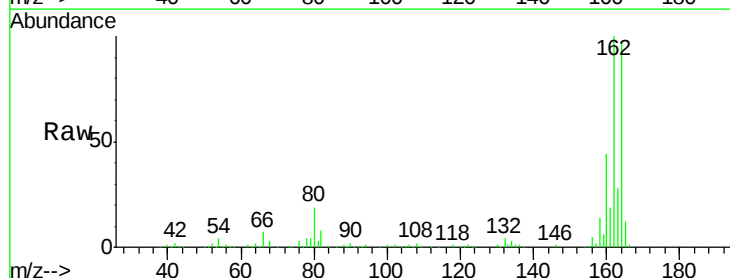
Ion Ratio Lower Upper

165 100

63 1.1 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

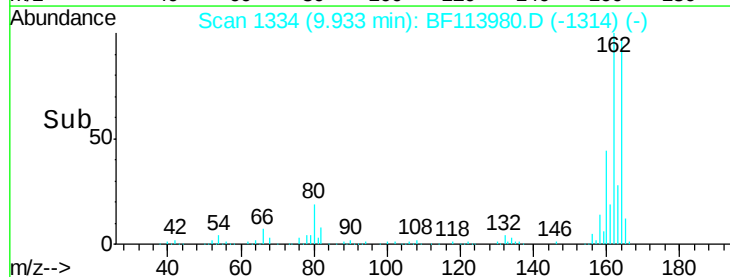
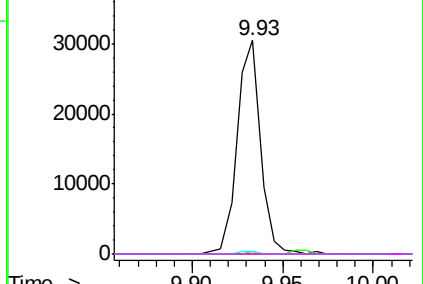


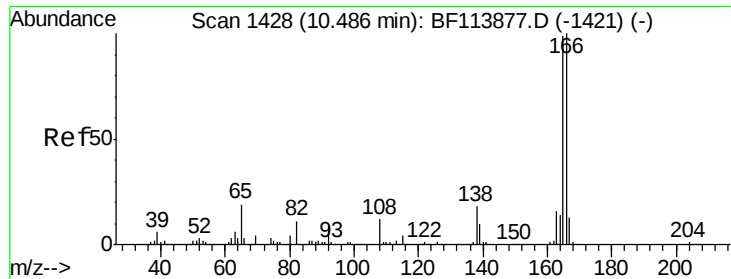
Abundance Ion 165.00 (164.70 to 165.70): E

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

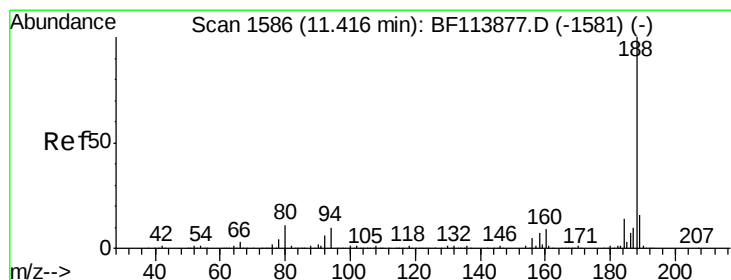
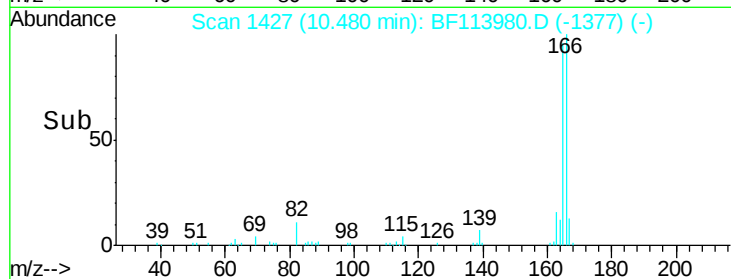
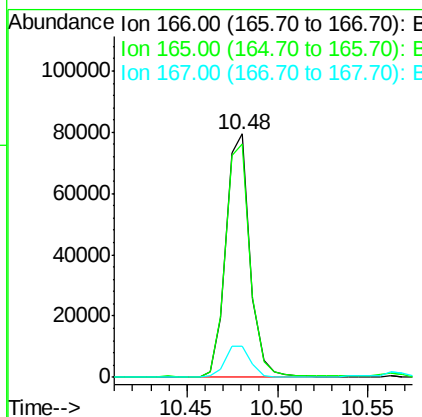
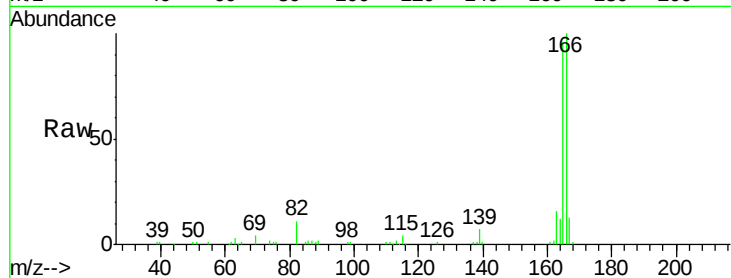




#58
 Fluorene
 Concen: 5.273 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF113980.D
 Acq: 25 Apr 2019 16:31

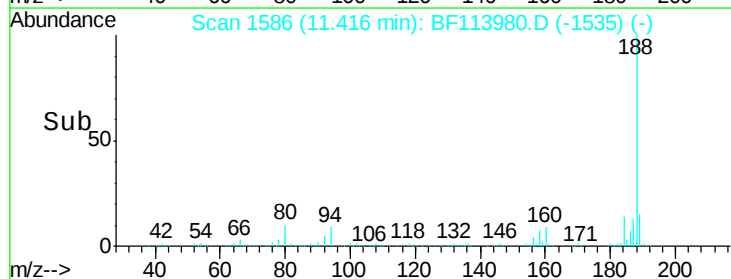
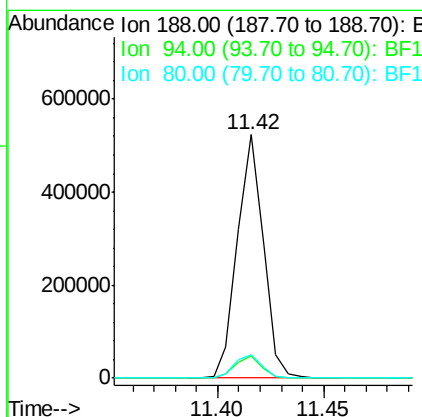
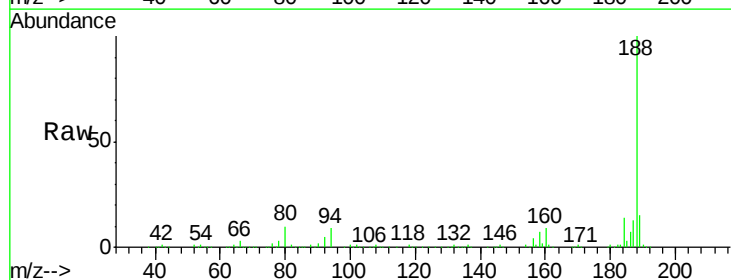
Instrument :
 BNA_F
 ClientSampled :

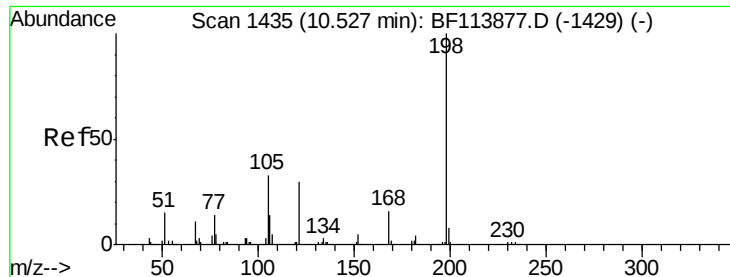
Tot Ion:166 Resp: 73689
 Ion Ratio Lower Upper
 166 100
 165 95.7 78.4 117.6
 167 12.7 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113980.D
 Acq: 25 Apr 2019 16:31

Tgt Ion:188 Resp: 447560
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.2 12.4
 80 9.7 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.567 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

Instrument :

BNA_F

ClientSampleId :

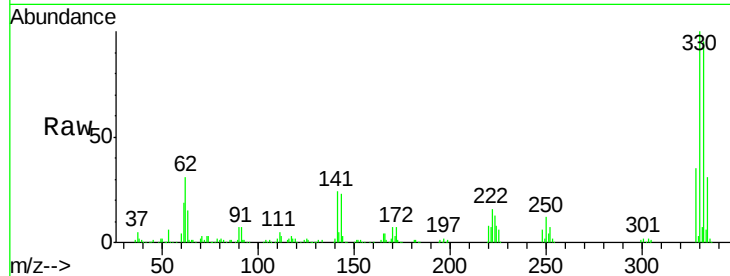
Tot Ion:198 Resp: 626

Ion Ratio Lower Upper

198 100

51 119.0 11.1 51.1#

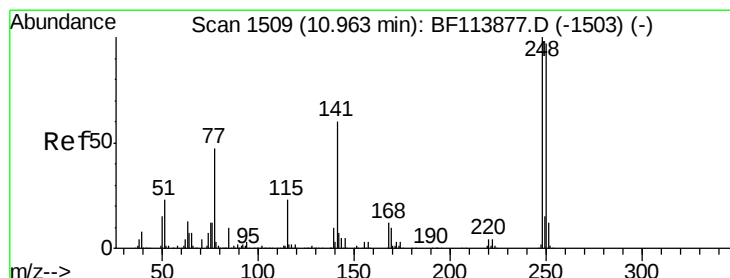
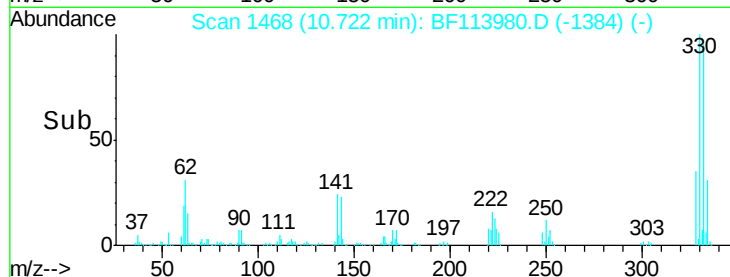
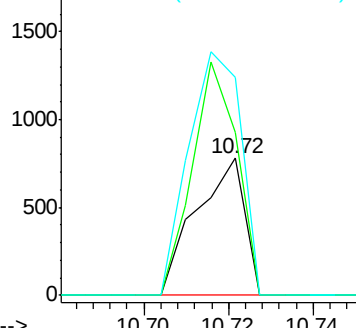
105 159.2 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.226 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

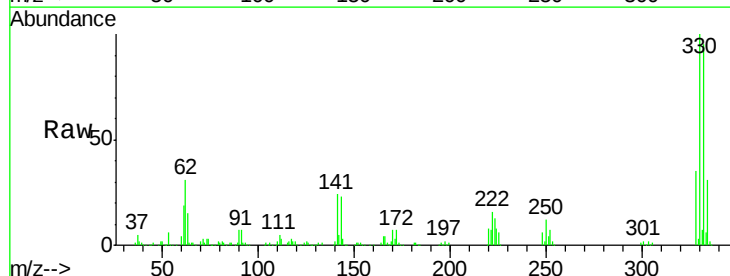
Tgt Ion:248 Resp: 22851

Ion Ratio Lower Upper

248 100

250 201.4 75.8 113.6#

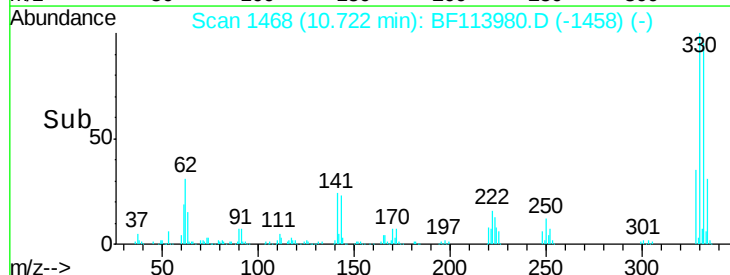
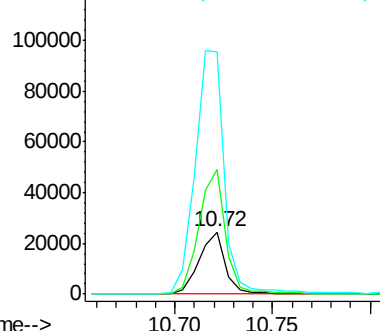
141 391.2 50.2 75.4#

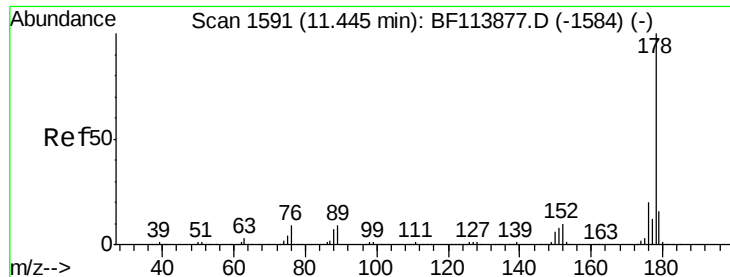


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 15.329 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

Instrument :

BNA_F

ClientSampleId :

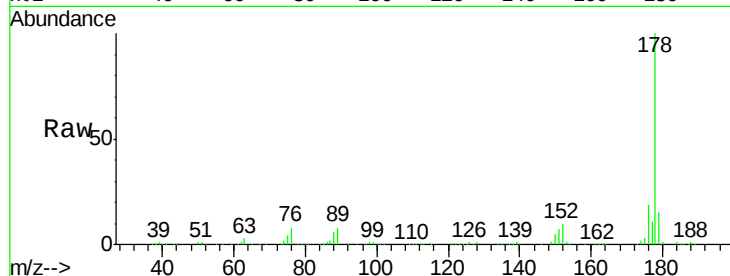
Tot Ion:178 Resp: 344783

Ion Ratio Lower Upper

178 100

176 18.6 16.1 24.1

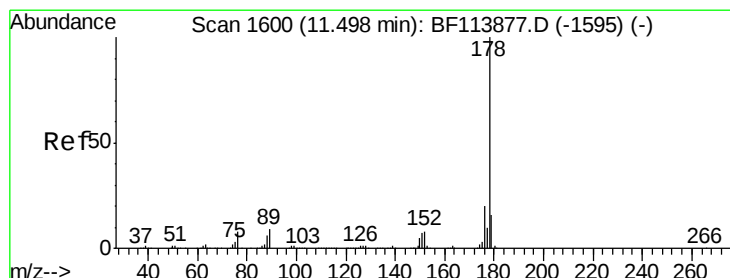
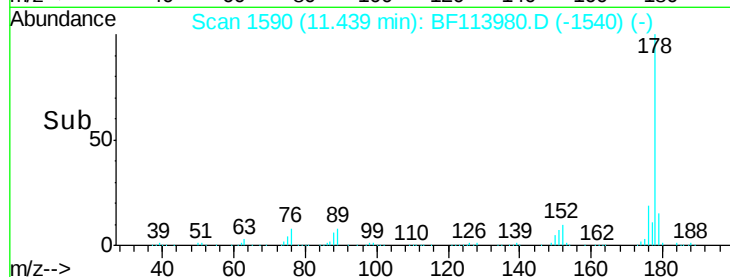
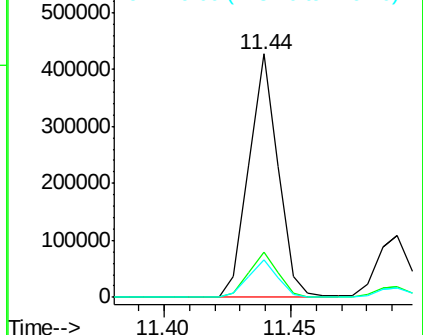
179 15.4 12.8 19.2



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



#72

Anthracene

Concen: 4.488 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

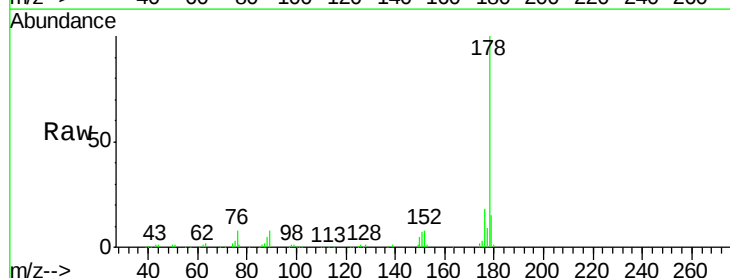
Tgt Ion:178 Resp: 101949

Ion Ratio Lower Upper

178 100

176 18.1 15.7 23.5

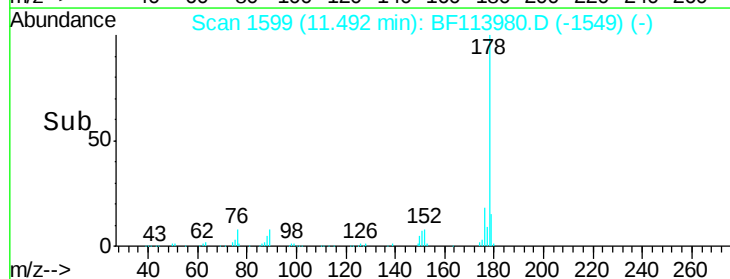
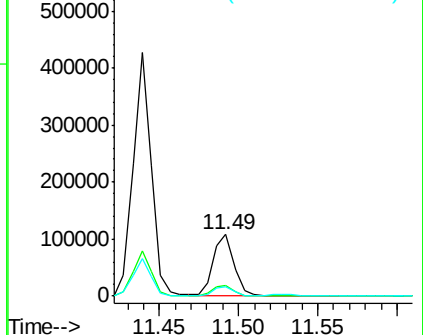
179 15.4 13.0 19.4

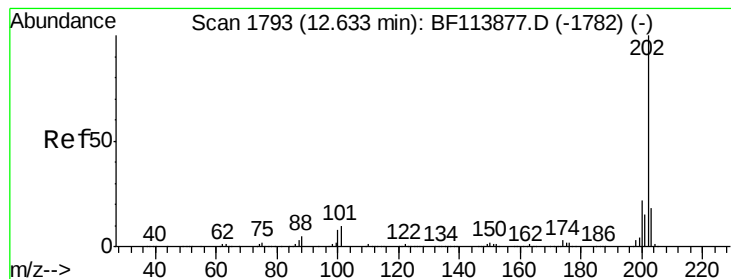


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.410 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

Instrument :

BNA_F

ClientSampleId :

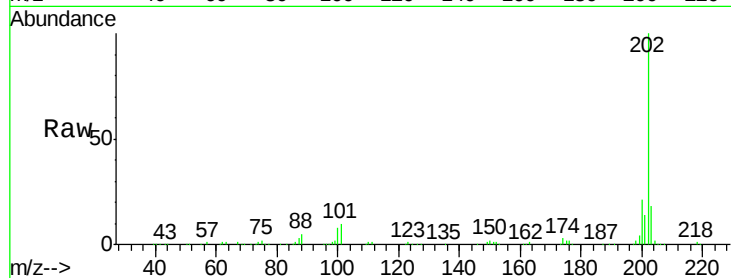
Tot Ion:202 Resp: 132767

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.9

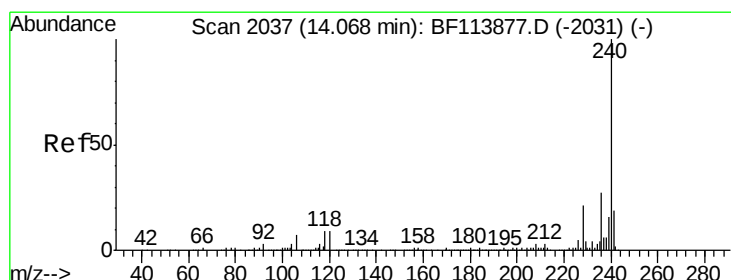
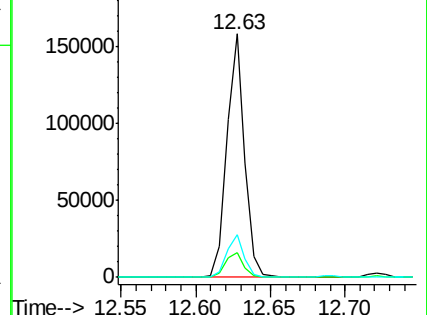
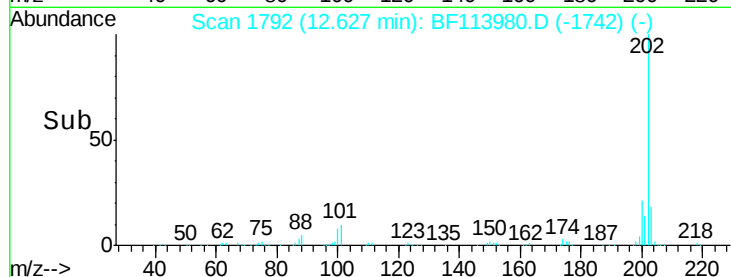
203 17.6 0.0 38.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

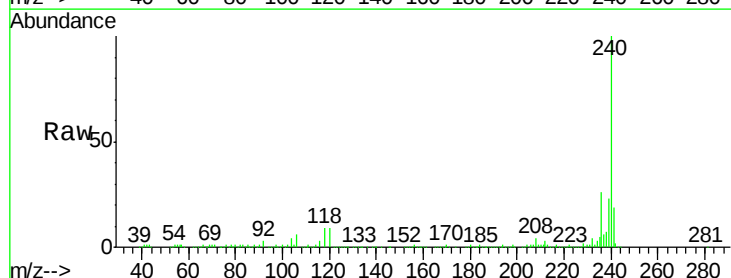
Tgt Ion:240 Resp: 439088

Ion Ratio Lower Upper

240 100

120 9.0 9.3 13.9#

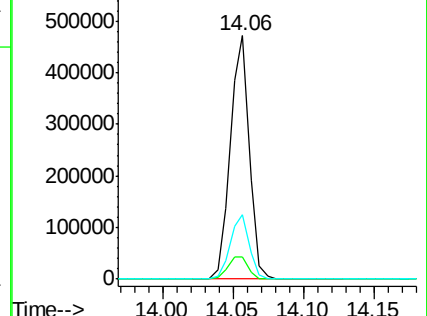
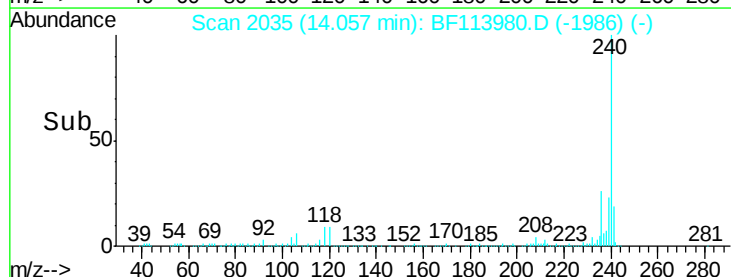
236 26.4 21.2 31.8

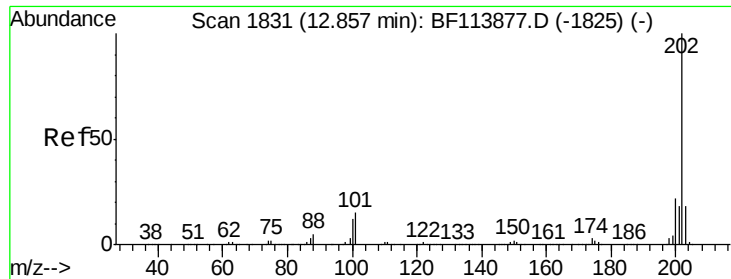


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

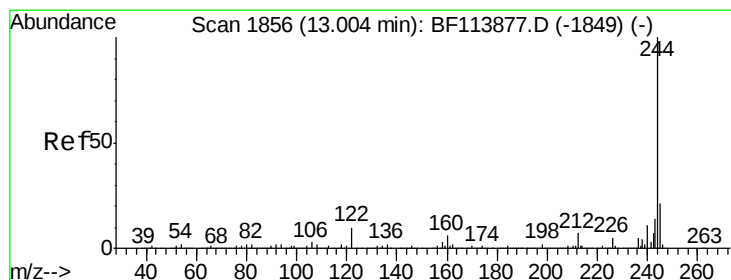
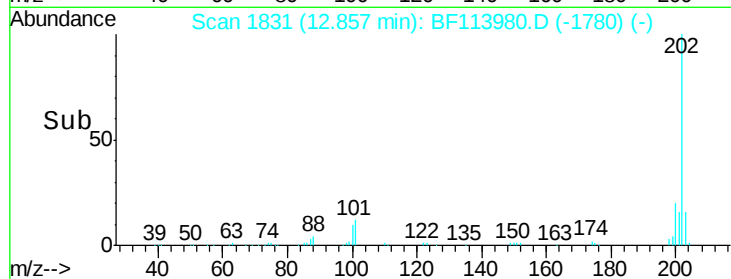
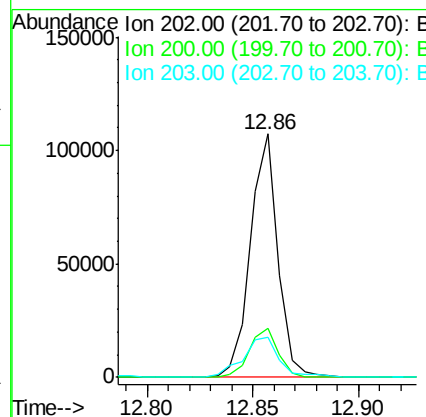
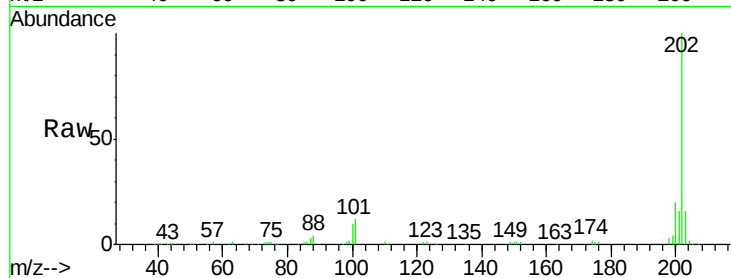




#78
Pvrene
Concen: 3.155 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

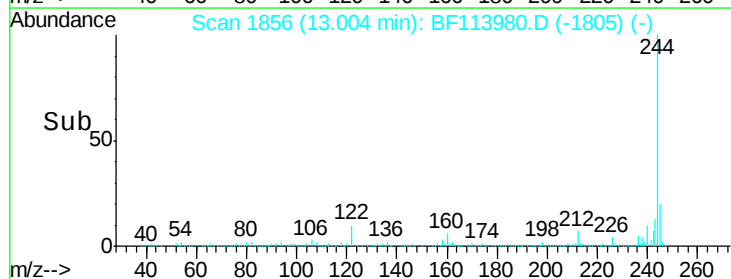
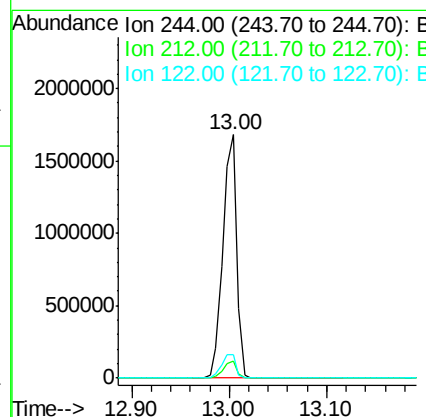
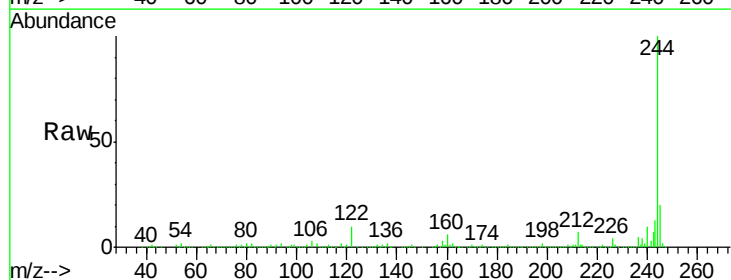
Instrument :
BNA_F
ClientSampleId :

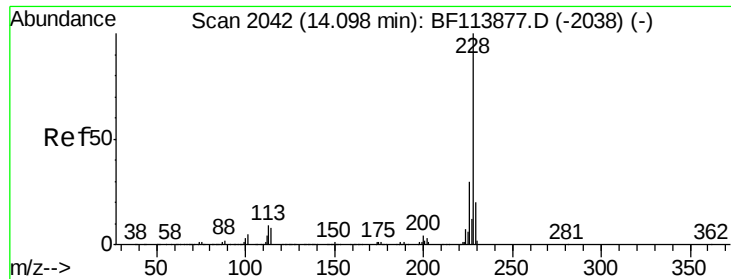
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.7	26.5
203	16.5	15.0	22.6



#79
Terphenyl-d14
Concen: 76.890 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	9.6	7.6	11.4

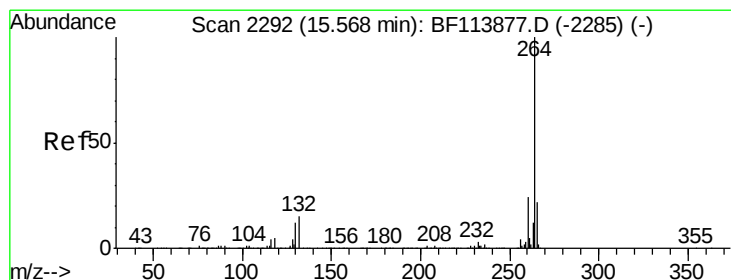
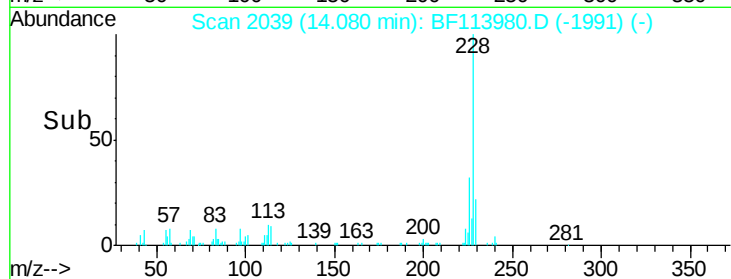
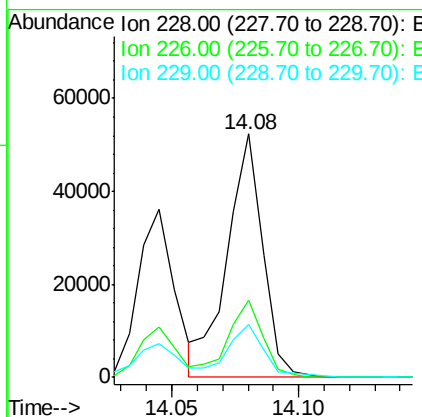
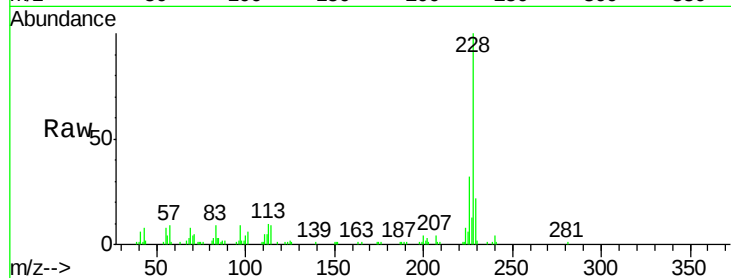




#83
Chrysene
Concen: 2.015 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

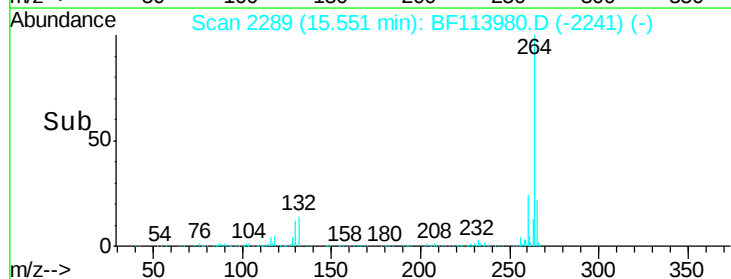
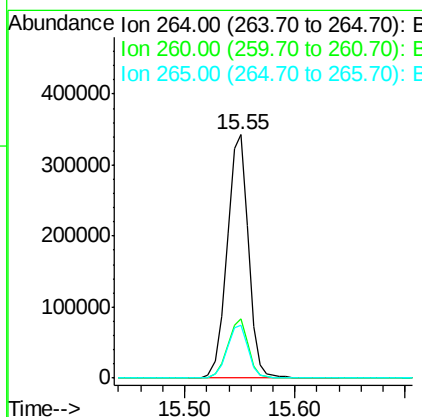
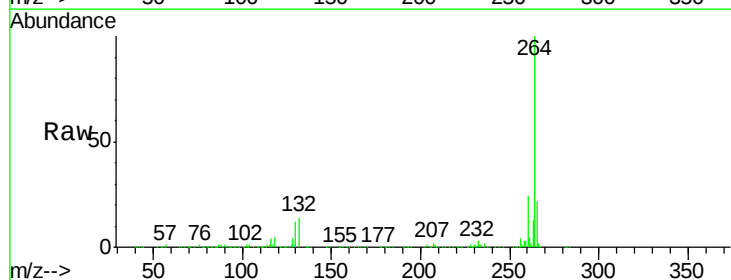
Instrument :
BNA_F
ClientSampleId :

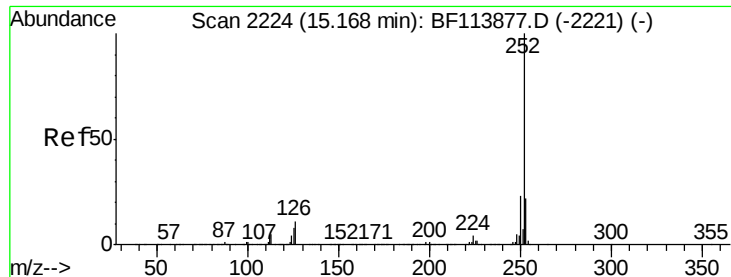
Tot Ion:228	Resp:	50765
Ion Ratio	Lower	Upper
228	100	
226	31.9	25.2 37.8
229	21.7	16.7 25.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF113980.D
Acq: 25 Apr 2019 16:31

Tgt Ion:264	Resp:	463956
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.9 28.3
265	22.0	17.3 25.9





#89

Benzo(k)fluoranthene

Concen: 2.025 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.06 min

Lab File: BF113980.D

Acq: 25 Apr 2019 16:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 51142

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

125 11.0 7.4 11.2

