

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041519\
 Data File : BF113779.D
 Acq On : 15 Apr 2019 22:57
 Operator : JU/SJ
 Sample : K2397-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 02:07:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	112948	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	412968	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	190028	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	321187	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	251621	20.00	ng	-0.02
87) Perylene-d12	15.24	264	263101	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	715882	108.08	ng	-0.01
7) Phenol-d6	6.33	99	947101	116.01	ng	-0.01
23) Nitrobenzene-d5	7.24	82	546721	77.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	216671	94.92	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	956009	80.99	ng	-0.02
79) Terphenyl-d14	12.77	244	735421	59.51	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	69288	13.764	ng	# 77
25) Isophorone	7.24	82	546718	40.255	ng	# 64
31) Naphthalene	7.97	128	81297	4.063	ng	99
50) Dimethylphthalate	9.43	163	103092	7.360	ng	100
56) 4-Nitrophenol	9.92	139	6296	2.891	ng	# 7
57) 2,4-Dinitrotoluene	9.70	165	24369	6.526	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	12147	3.372	ng	# 1
71) Phenanthrene	11.21	178	250706	15.708	ng	98
72) Anthracene	11.26	178	72386	4.458	ng	99
75) Fluoranthene	12.40	202	667949	39.056	ng	100
78) Pyrene	12.63	202	682189	35.632	ng	99
81) Benzo(a)anthracene	13.82	228	641730	44.212	ng	98
83) Chrysene	13.86	228	608194	41.334	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	424475	31.245	ng	96
88) Benzo(b)fluoranthene	14.85	252	1317634	81.815	ng	97
89) Benzo(k)fluoranthene	14.85	252	1317634	91.161	ng	# 96
90) Benzo(a)pyrene	15.19	252	707830	49.461	ng	99
91) Dibenzo(a,h)anthracene	16.76	278	100805	7.532	ng	96
92) Benzo(a,h,i)perylene	17.03	276	415505	30.418	ng	97

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

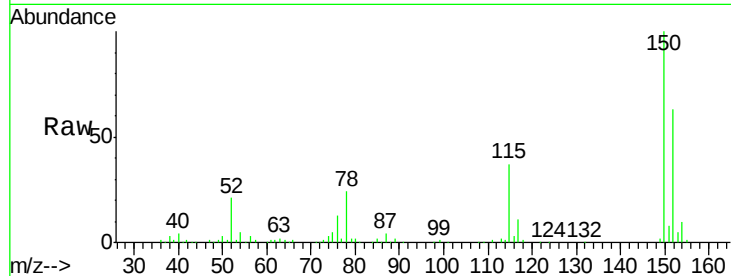


#1

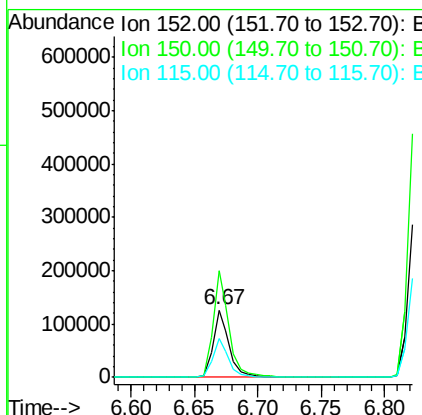
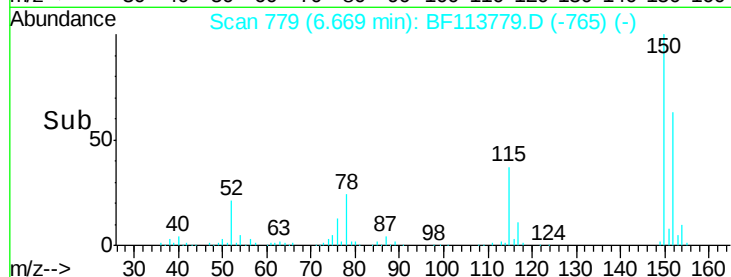
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 112948
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.7 187.1
 115 58.0 46.0 69.0



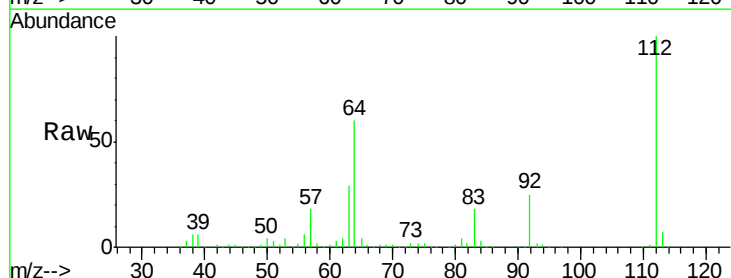
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



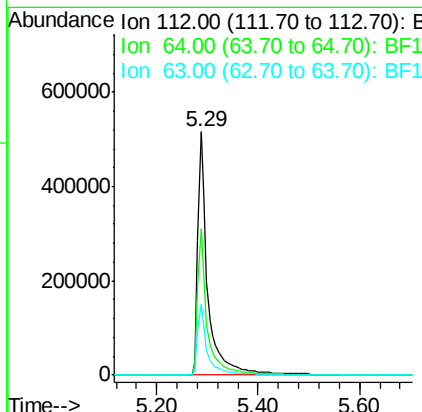
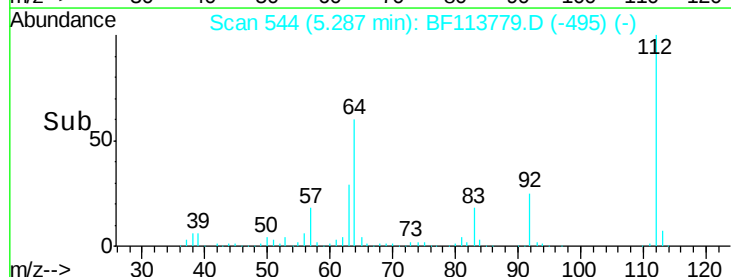
#5

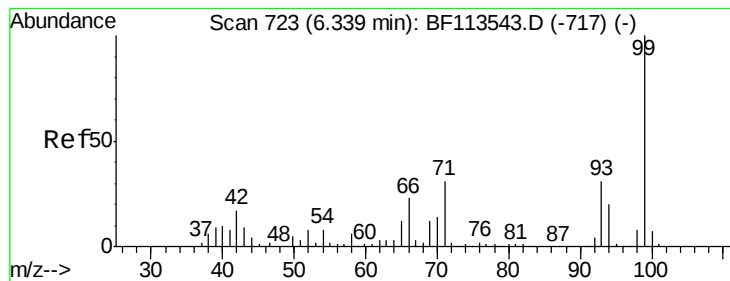
2-Fluorophenol
 Concen: 108.080 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Tgt Ion:112 Resp: 715882
 Ion Ratio Lower Upper
 112 100
 64 60.1 49.2 73.8
 63 29.2 24.9 37.3



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: 116.014 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

ClientSampled :

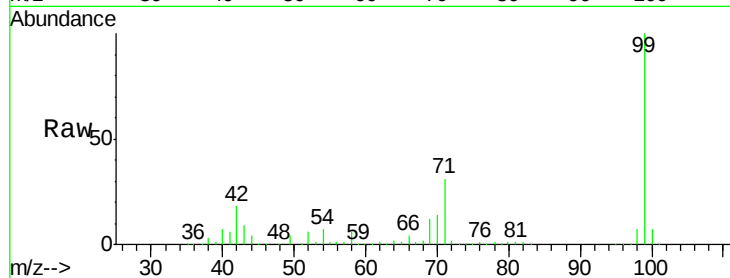
Tot Ion: 99 Resp: 947101

Ion Ratio Lower Upper

99 100

42 17.9 14.8 22.2

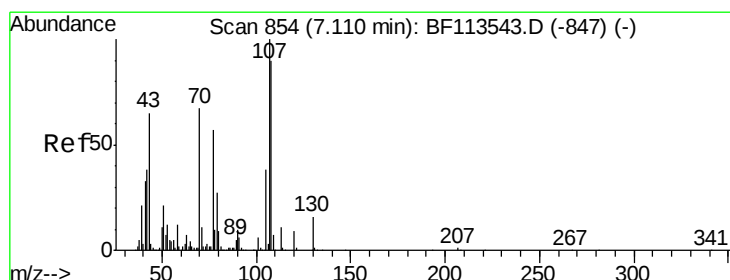
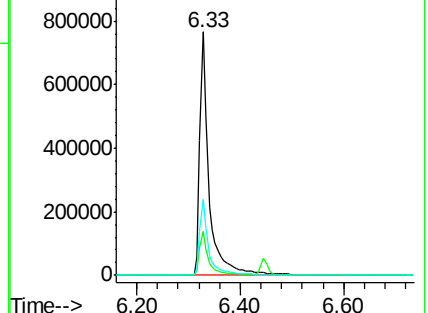
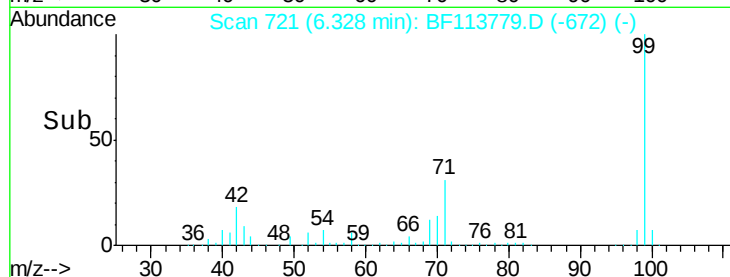
71 31.1 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.764 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Tgt Ion: 70 Resp: 69288

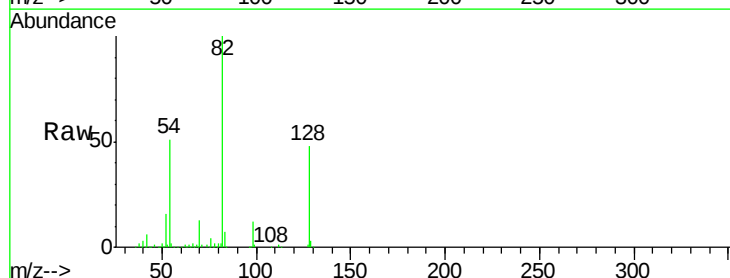
Ion Ratio Lower Upper

70 100

42 49.1 48.4 72.6

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

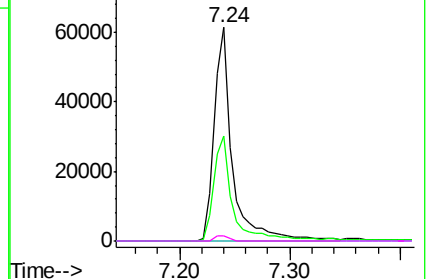
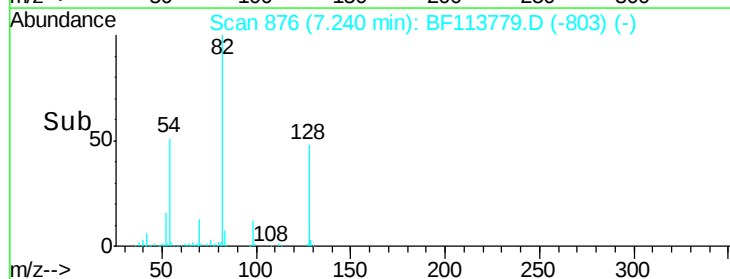


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 412968

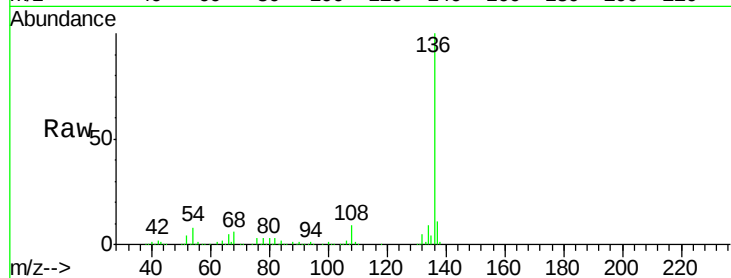
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.2 7.0 10.6

68 5.9 4.8 7.2

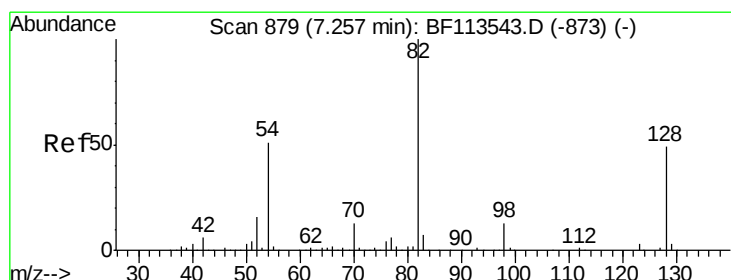
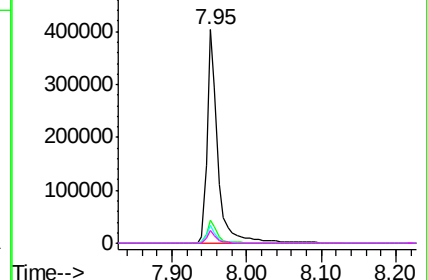
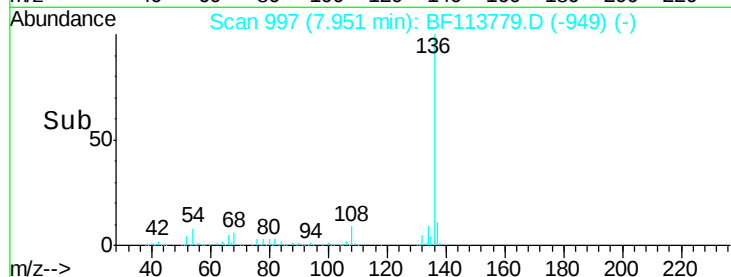


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.547 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

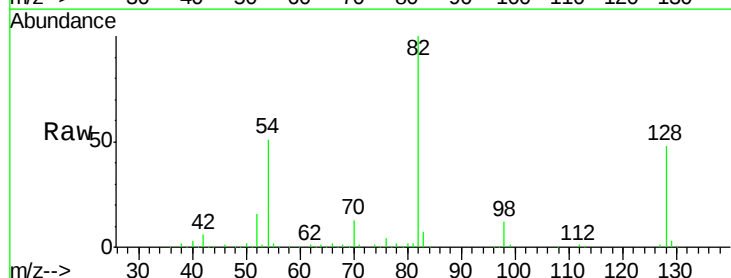
Tgt Ion: 82 Resp: 546721

Ion Ratio Lower Upper

82 100

128 48.1 36.5 54.7

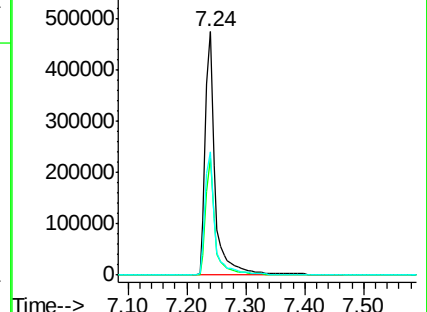
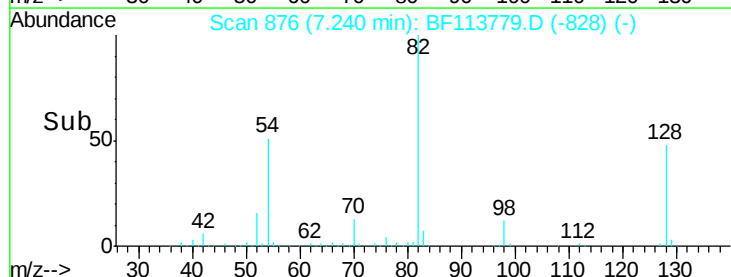
54 50.8 42.2 63.2

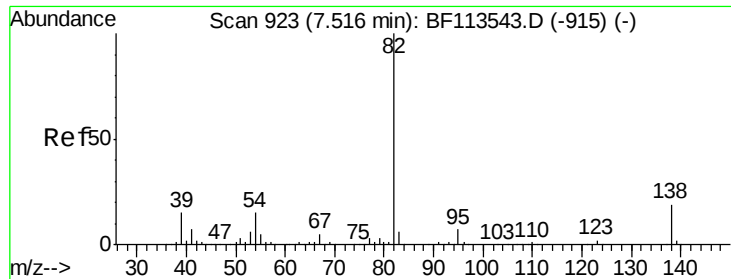


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

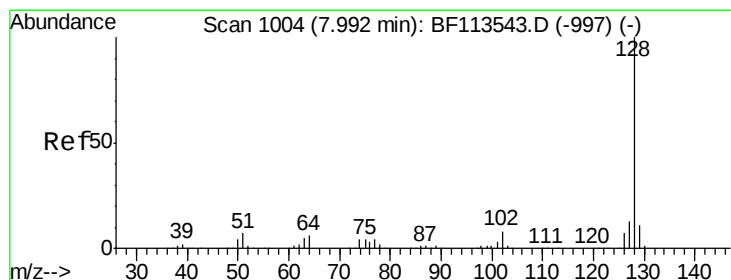
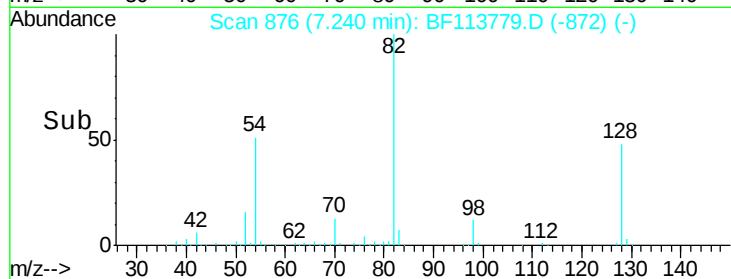
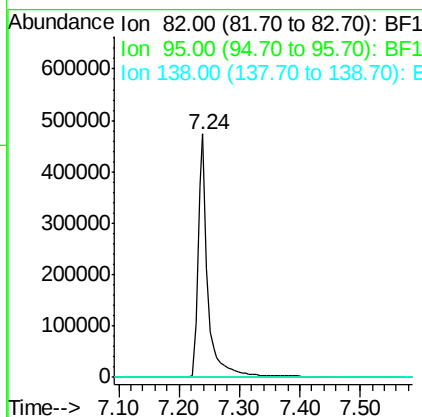
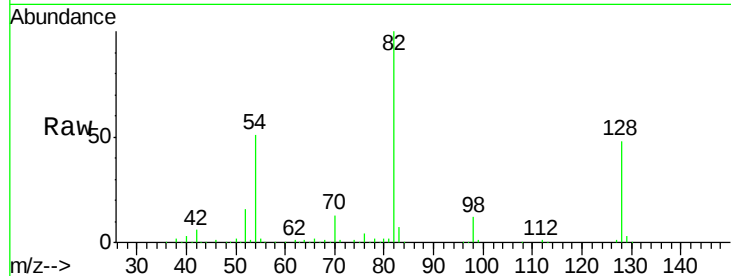




#25
Isophorone
Concen: 40.255 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.28 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

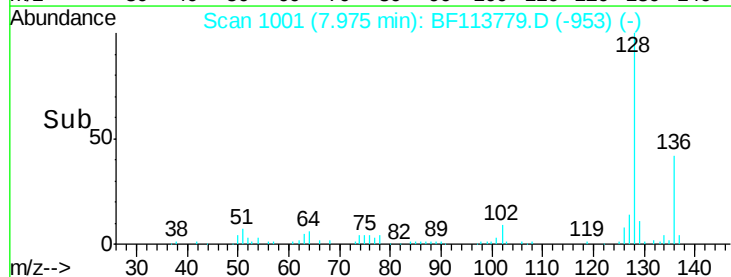
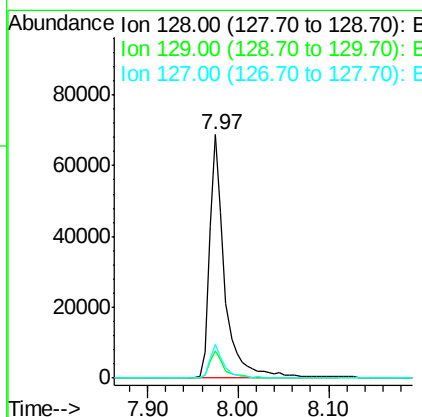
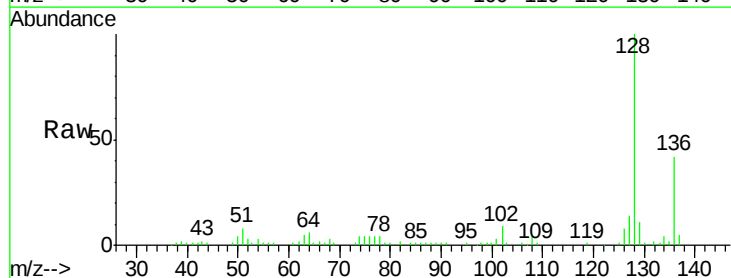
Instrument :
BNA_F
ClientSampleId :

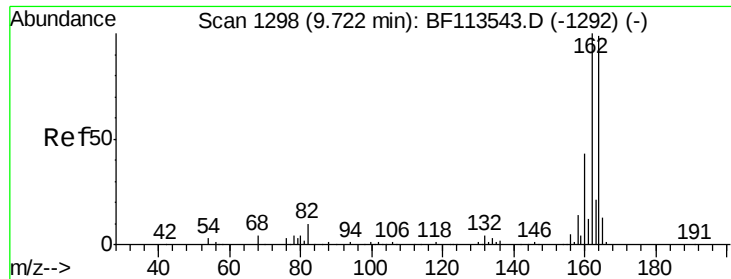
Tot Ion: 82 Resp: 546718
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 4.063 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion: 128 Resp: 81297
Ion Ratio Lower Upper
128 100
129 11.1 9.3 13.9
127 13.6 10.9 16.3

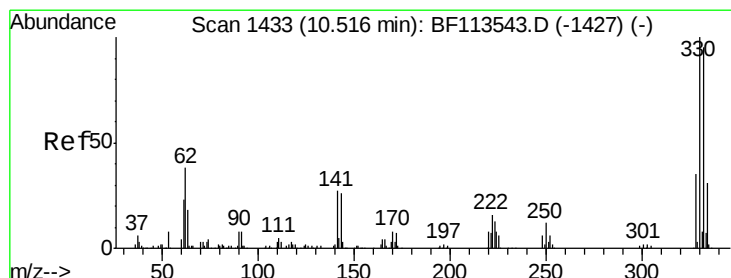
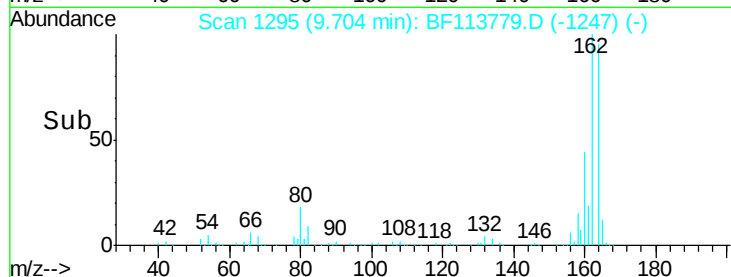
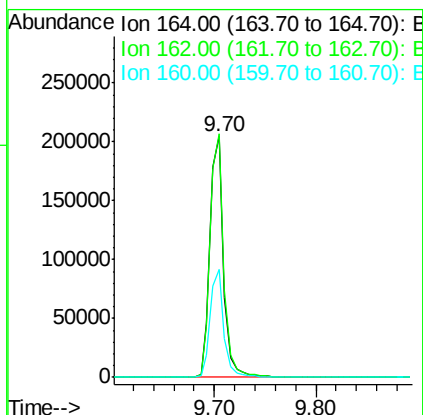
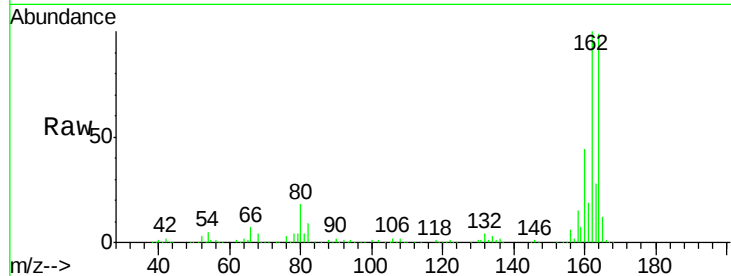




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

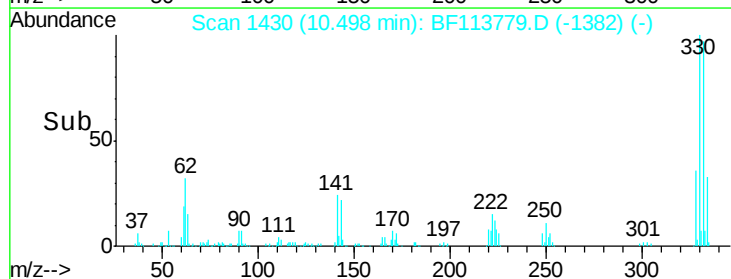
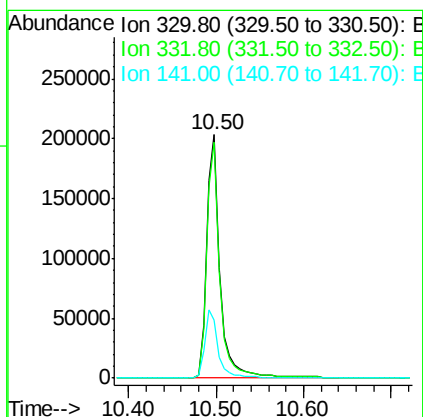
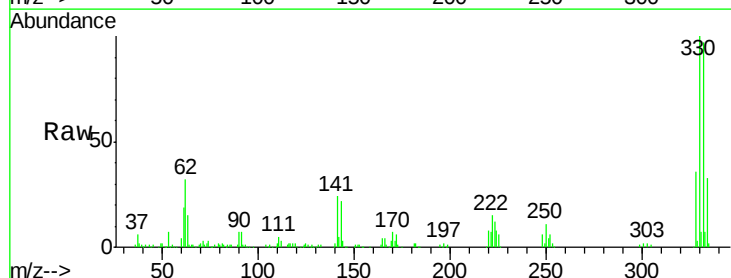
Instrument :
 BNA_F
 ClientSampleId :

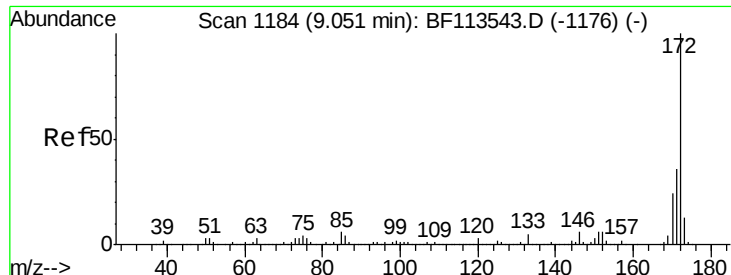
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.8	122.6
160	44.8	36.4	54.6



#42
 2,4,6-Tribromophenol
 Concen: 94.919 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.8	116.6
141	28.5	22.7	34.1

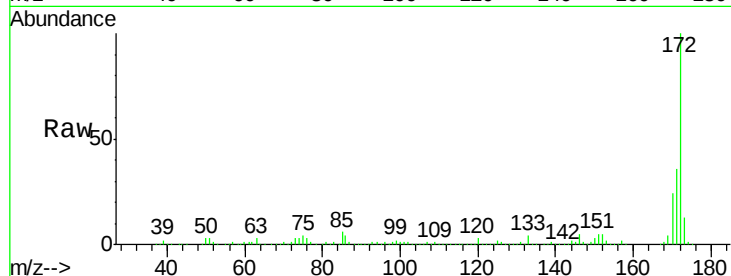




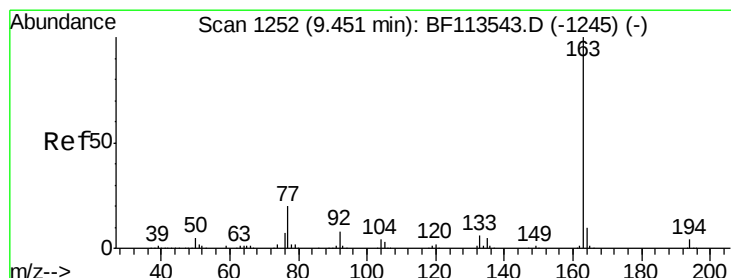
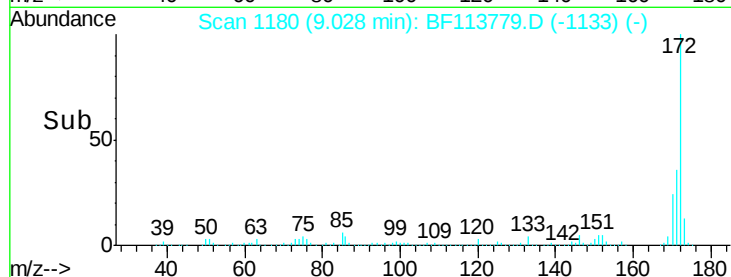
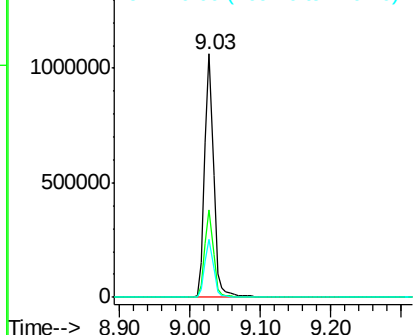
#45
2-Fluorobiphenyl
Concen: 80.992 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 956009
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.6
170 23.6 19.5 29.3

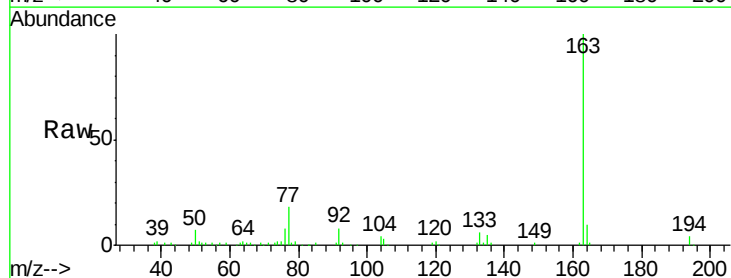


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

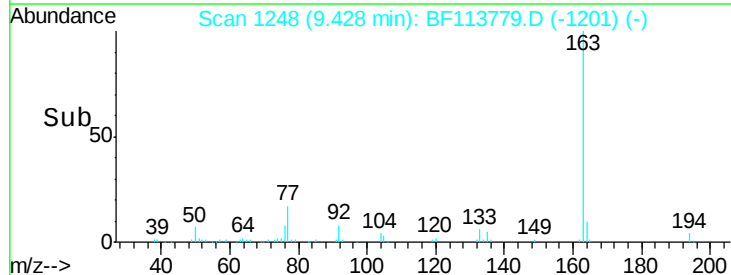
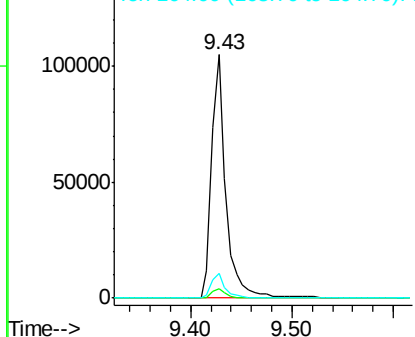


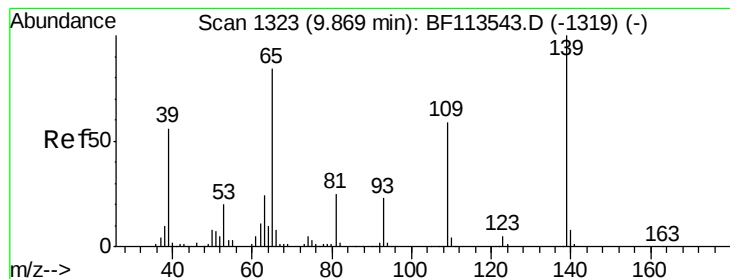
#50
Dimethylphthalate
Concen: 7.360 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion:163 Resp: 103092
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.3 8.1 12.1



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: 2.891 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.05 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

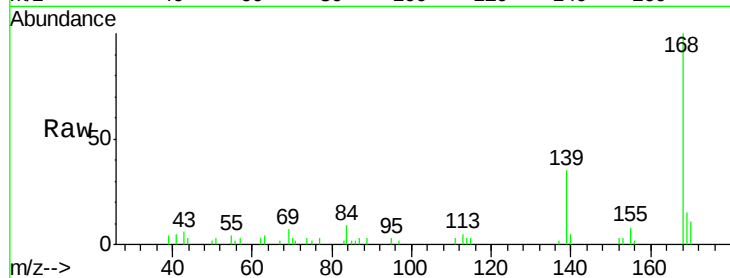
Tot Ion:139 Resp: 6296

Ion Ratio Lower Upper

139 100

109 0.0 46.9 86.9#

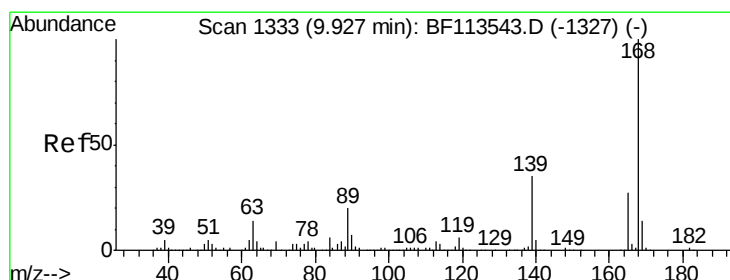
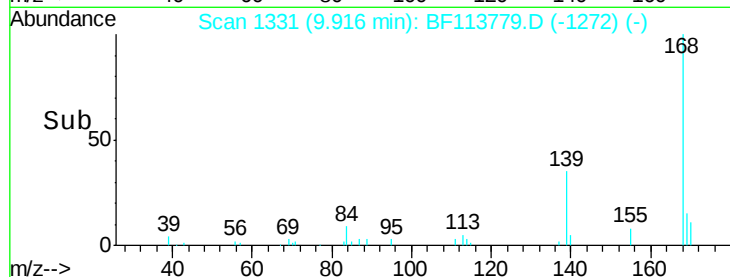
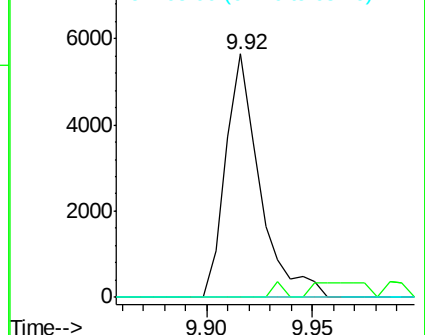
65 0.0 77.2 117.2#



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: 6.526 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Tgt Ion:165 Resp: 24369

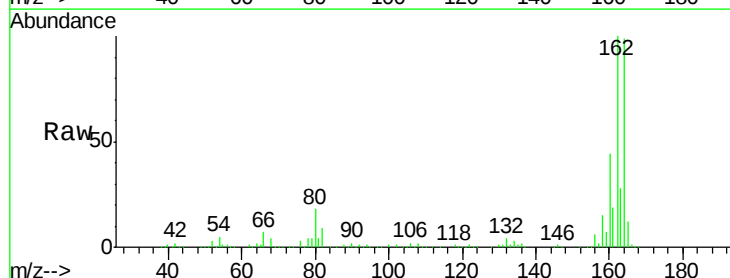
Ion Ratio Lower Upper

165 100

63 1.4 37.5 56.3#

89 1.3 57.4 86.2#

182 0.0 2.0 3.0#

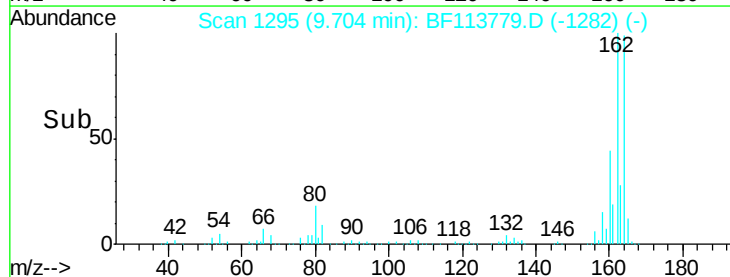
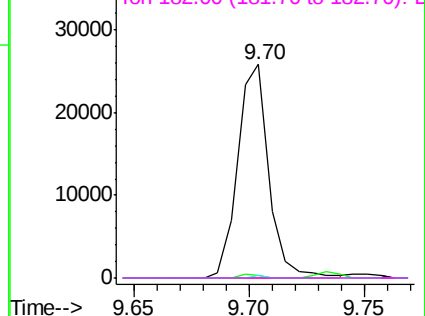


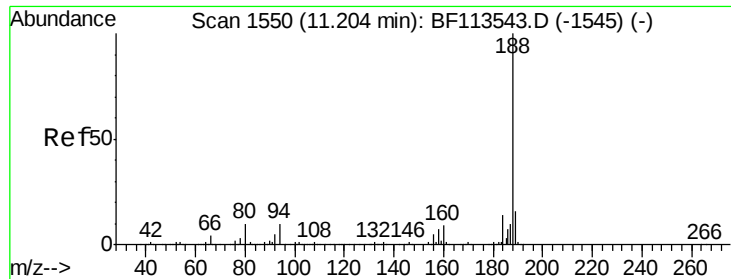
Abundance Ion 165.00 (164.70 to 165.70): E

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

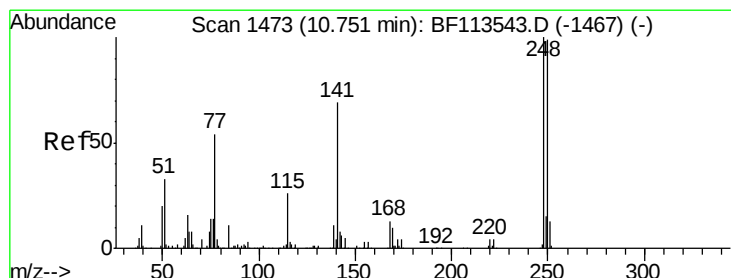
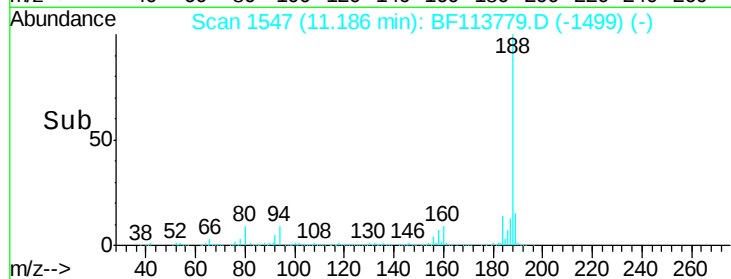
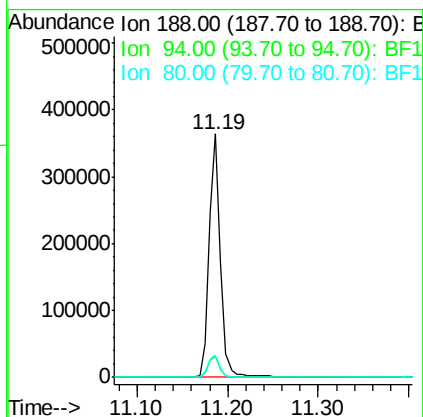
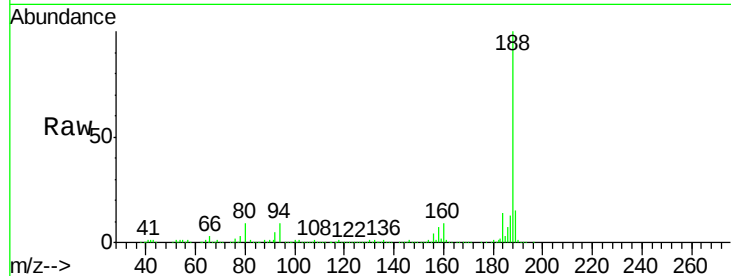




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

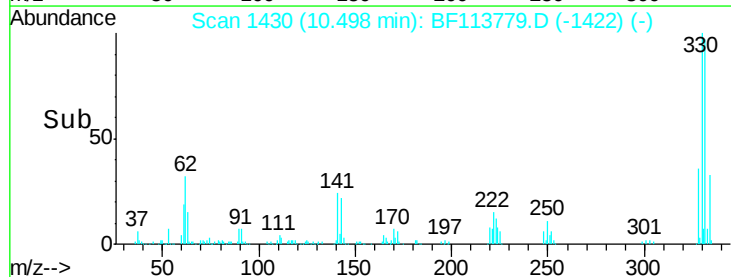
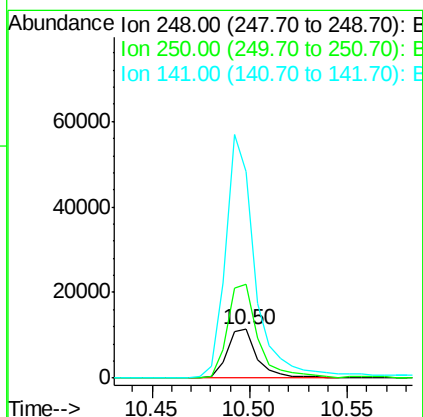
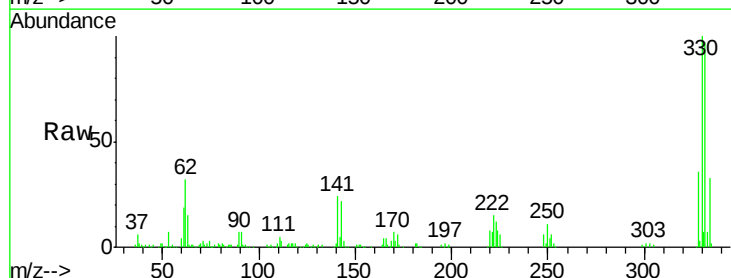
Instrument :
BNA_F
ClientSampled :

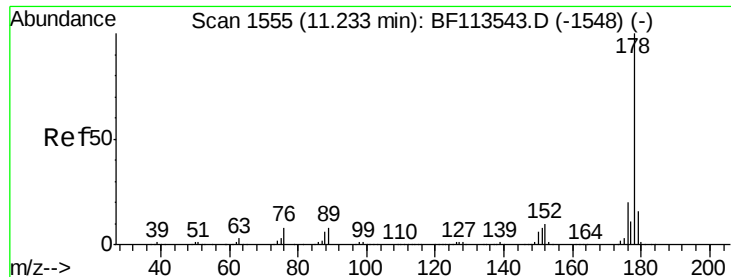
Tot Ion:188 Resp: 321187
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.1 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 3.372 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.25 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion:248 Resp: 12147
Ion Ratio Lower Upper
248 100
250 193.3 78.3 117.5#
141 423.2 56.2 84.4#

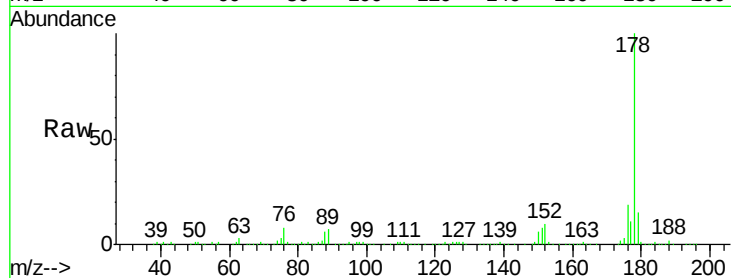




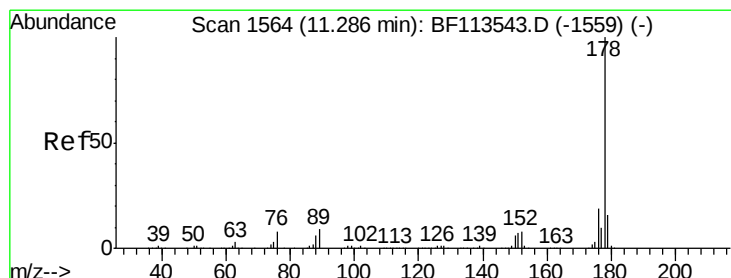
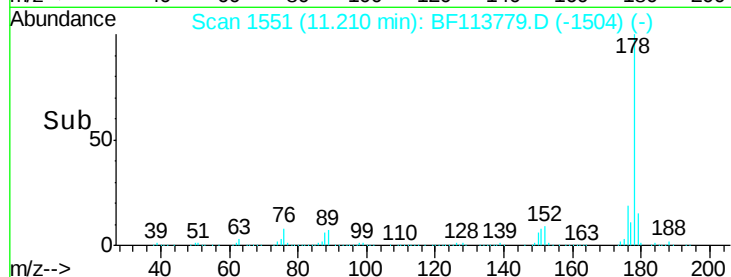
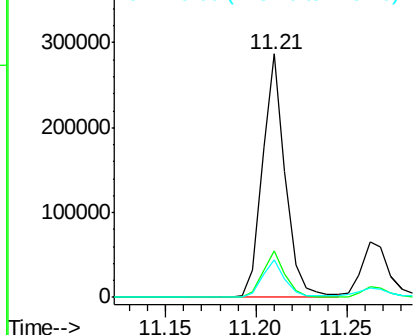
#71
Phenanthrene
Concen: 15.708 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 250706
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.2
179 15.4 12.7 19.1

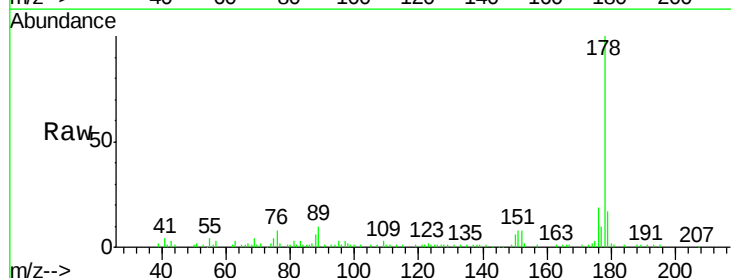


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

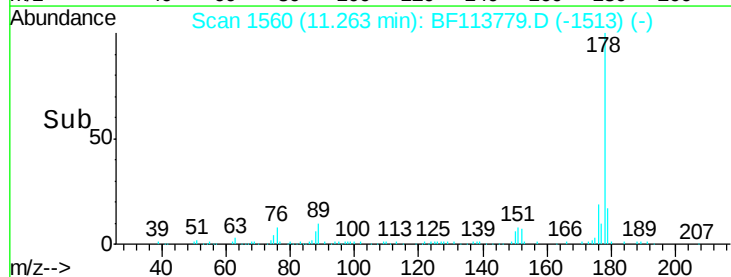
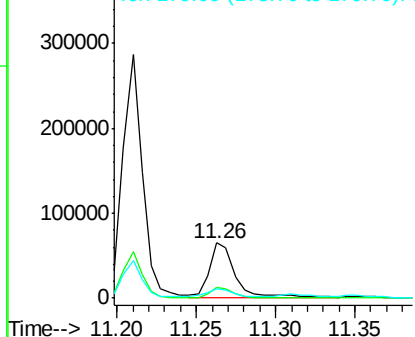


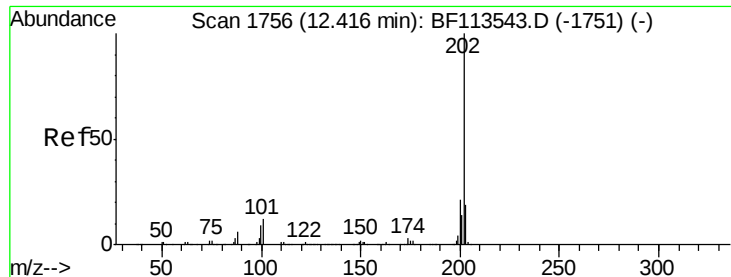
#72
Anthracene
Concen: 4.458 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion:178 Resp: 72386
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 16.8 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





#75

Fluoranthene

Concen: 39.056 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

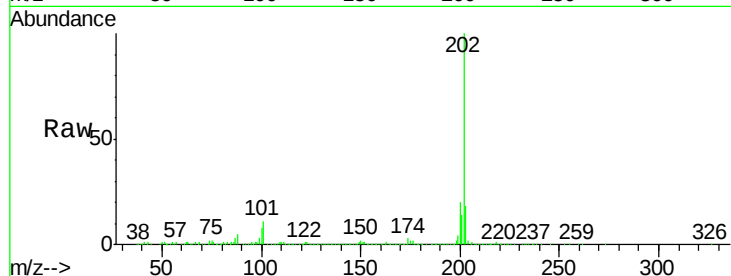
Tot Ion:202 Resp: 667949

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

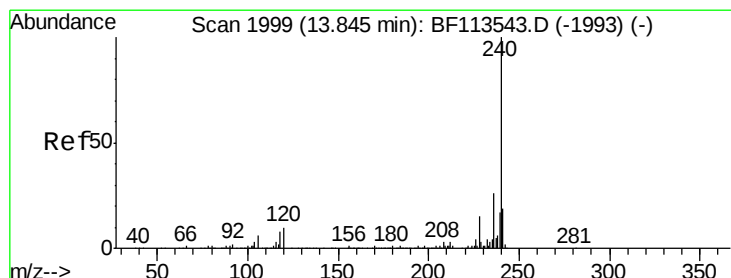
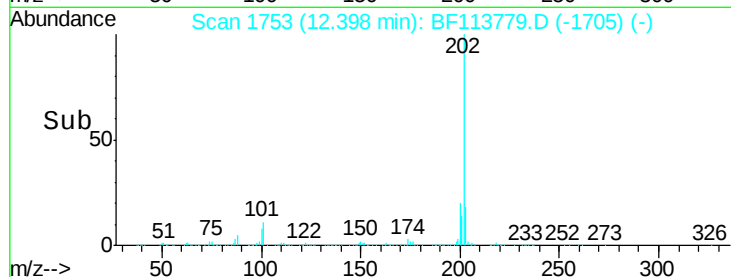
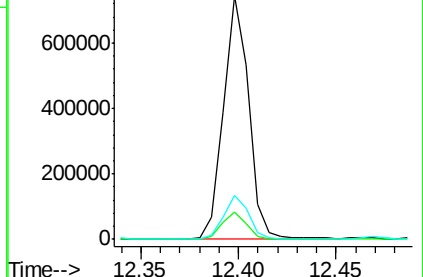
203 18.0 0.0 38.0



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

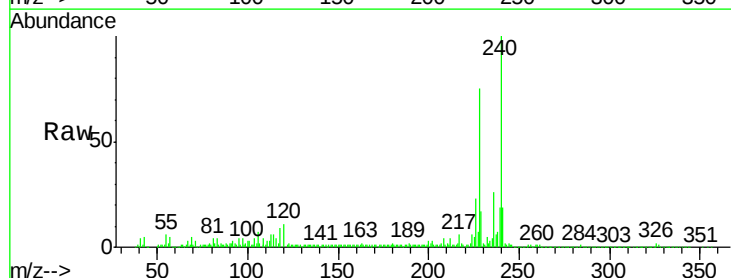
Tgt Ion:240 Resp: 251621

Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

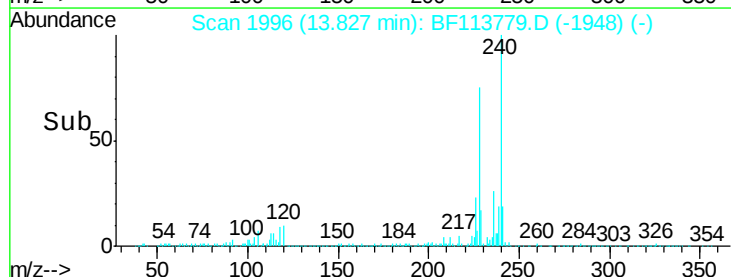
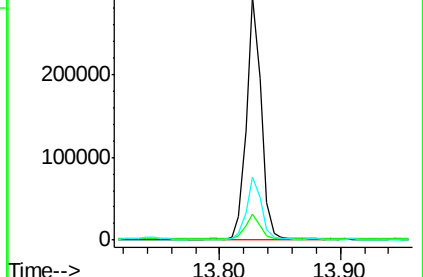
236 26.1 20.9 31.3

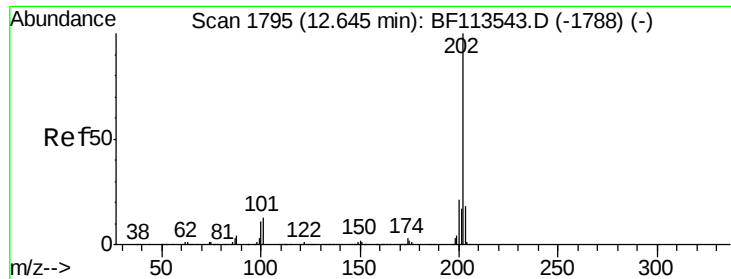


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

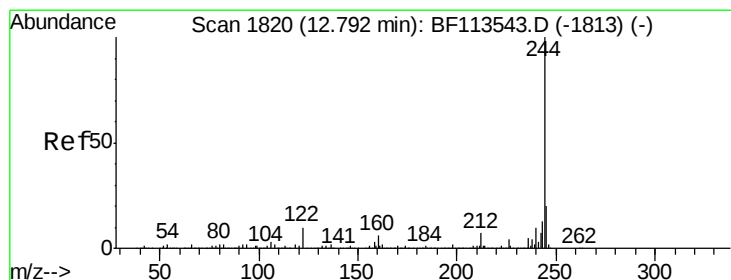
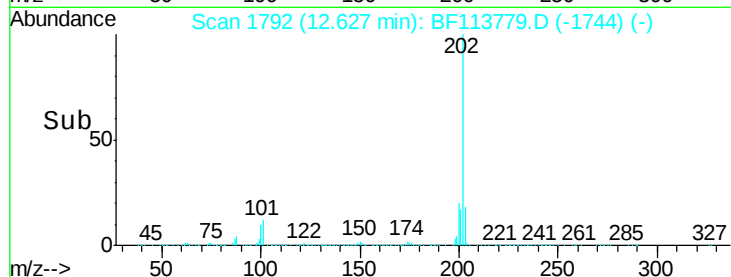
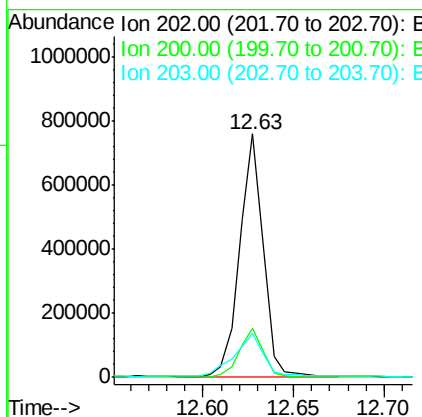
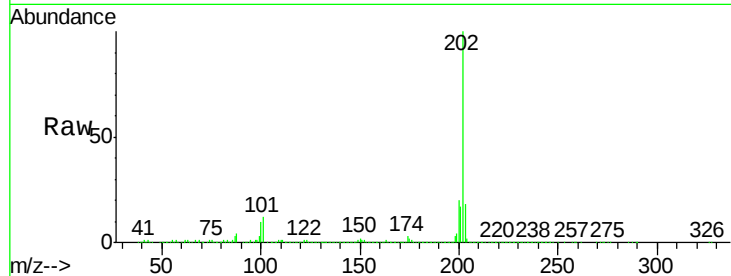




#78
Pvrene
Concen: 35.632 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

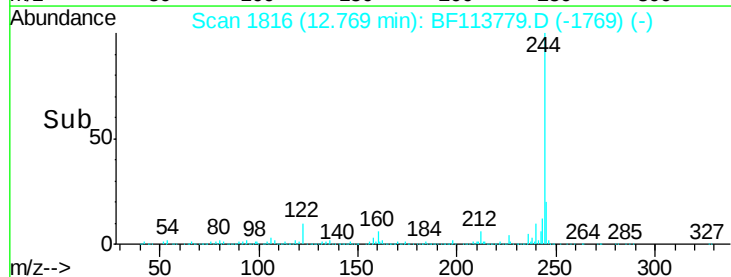
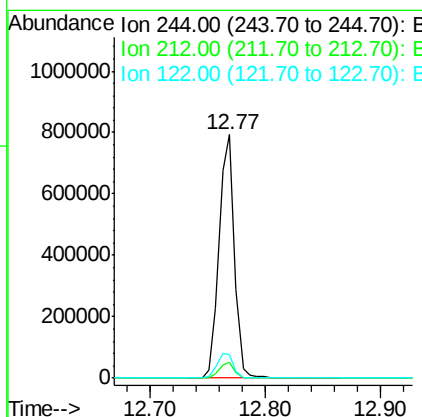
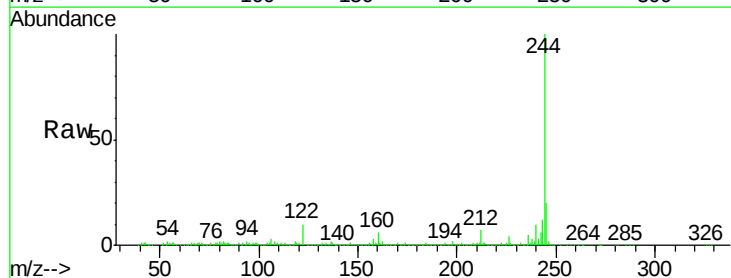
Instrument :
BNA_F
ClientSampleId :

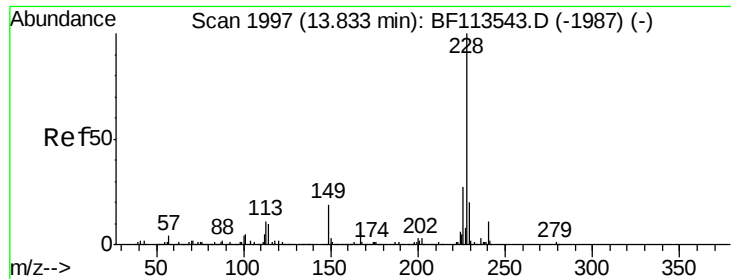
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	18.0	14.4	21.6



#79
Terphenyl-d14
Concen: 59.507 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.5	8.3
122	9.6	8.6	13.0

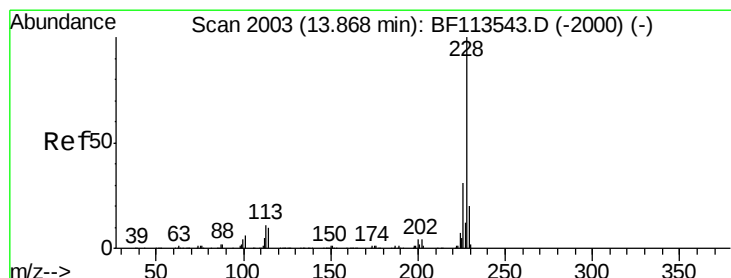
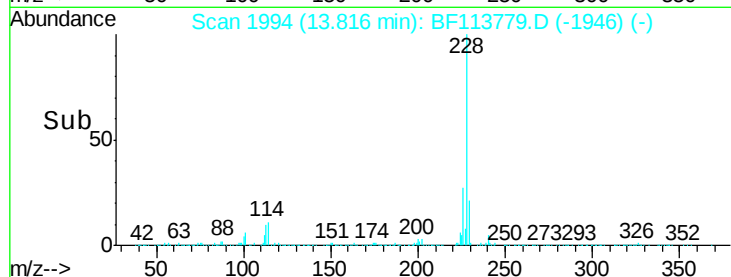
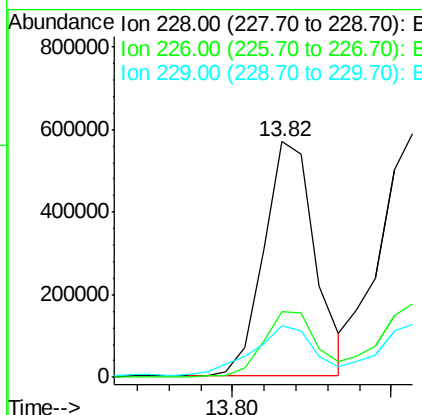
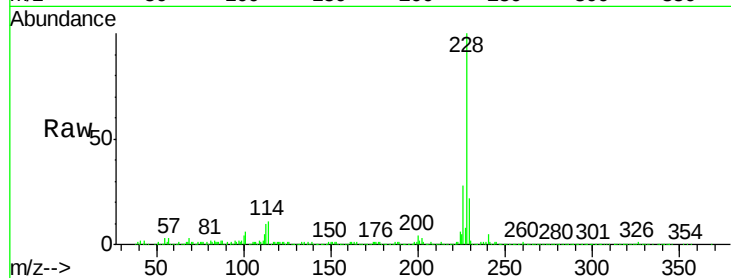




#81
Benzo(a)anthracene
Concen: 44.212 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

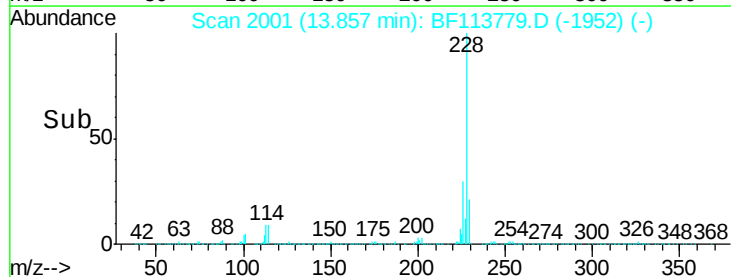
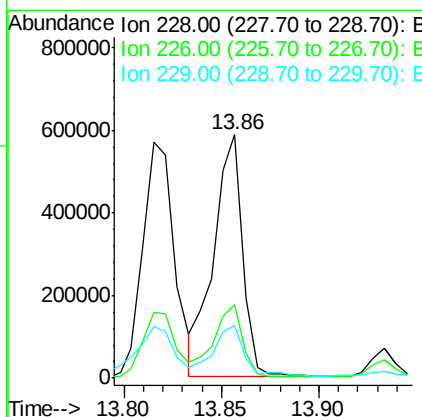
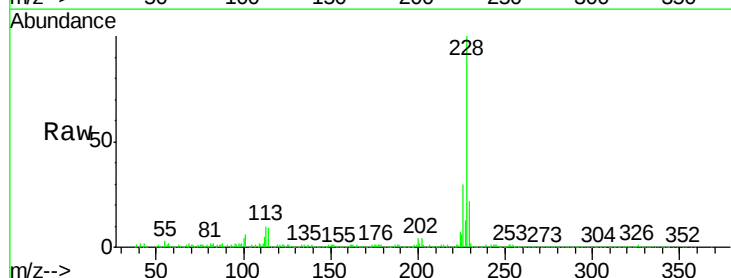
Instrument :
BNA_F
ClientSampleId :

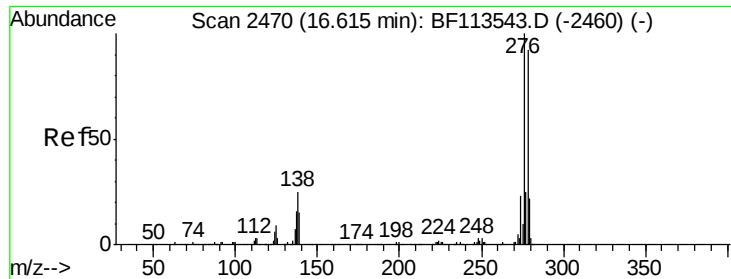
Tot Ion:228 Resp: 641730
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 22.0 16.2 24.4



#83
Chrysene
Concen: 41.334 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion:228 Resp: 608194
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 21.7 16.3 24.5

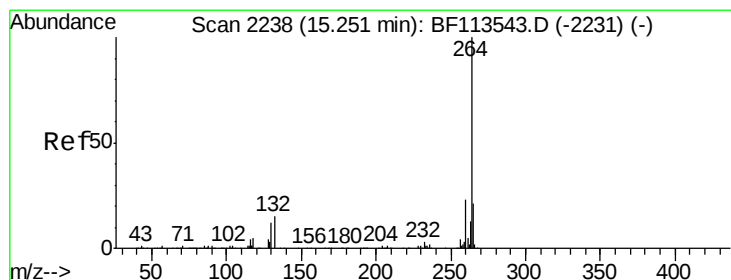
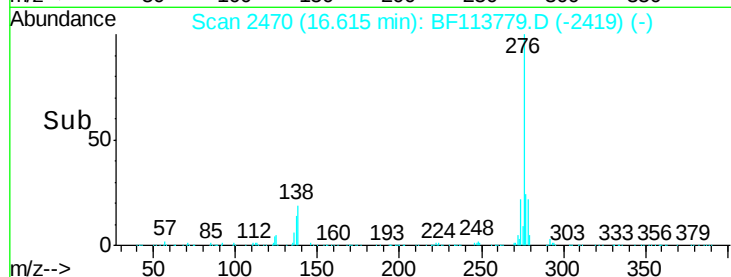
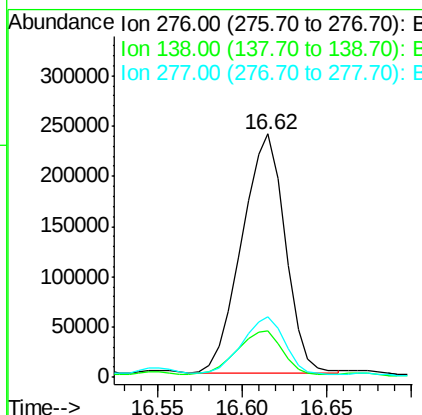
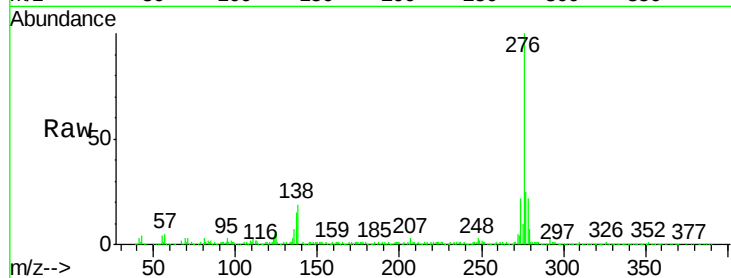




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 31.245 ng
 RT: 16.62 min Scan# 2470
 Delta R.T. 0.00 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

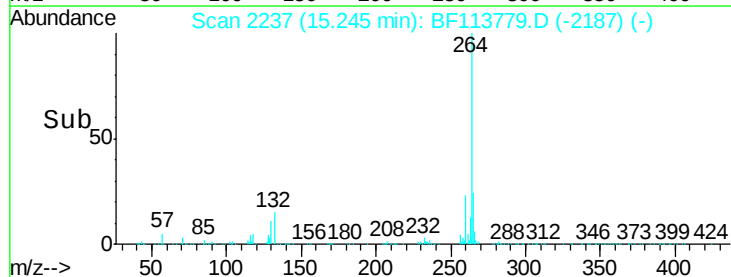
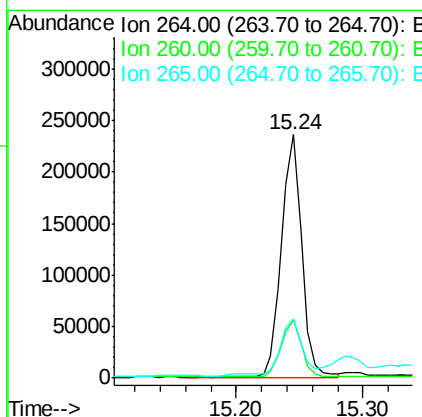
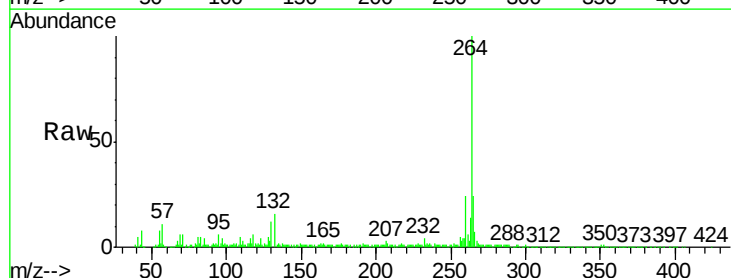
Instrument :
 BNA_F
 ClientSampleId :

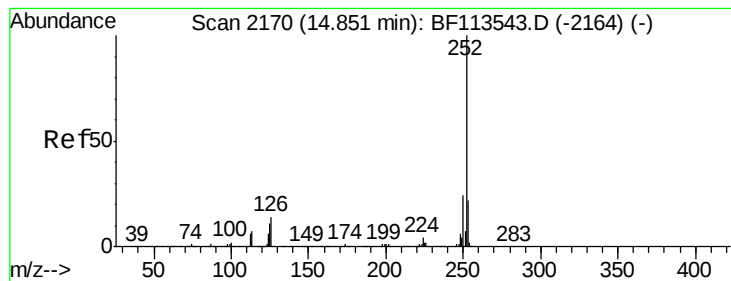
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.1	27.1
277	24.1	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	24.2	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 81.815 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

Instrument :

BNA_F

ClientSampled :

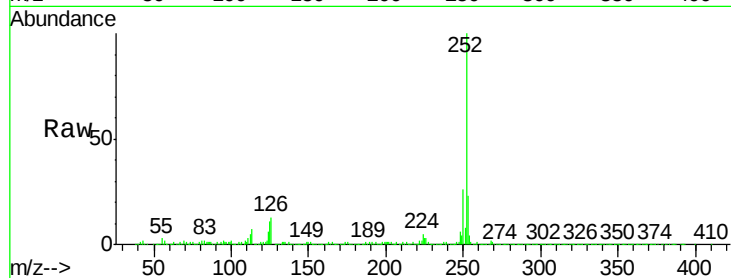
Tot Ion:252 Resp: 1317634

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

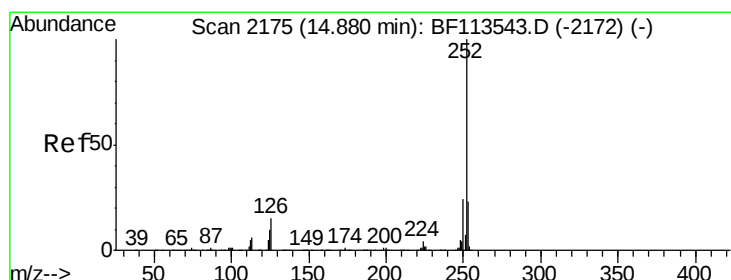
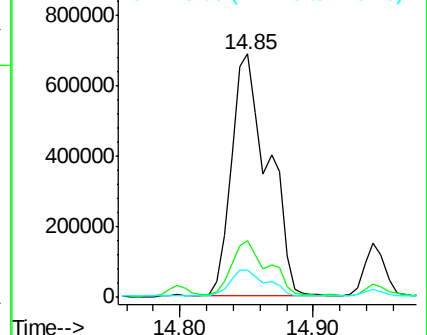
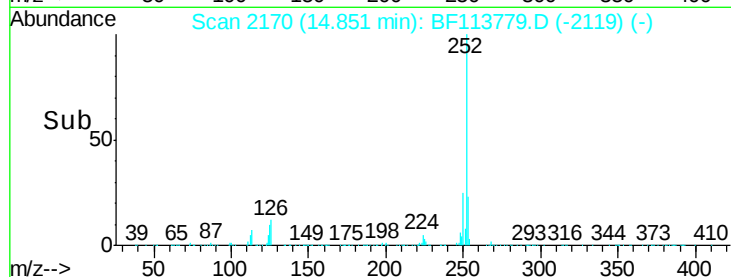
125 11.2 7.6 11.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 91.161 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF113779.D

Acq: 15 Apr 2019 22:57

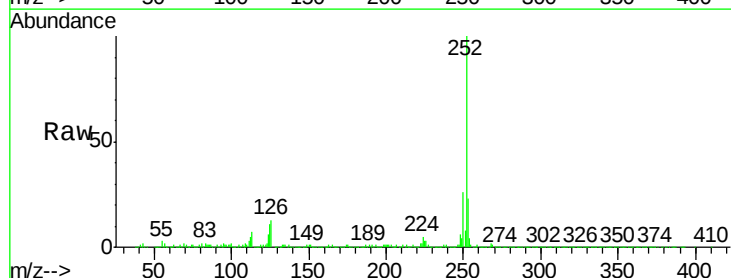
Tgt Ion:252 Resp: 1317634

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

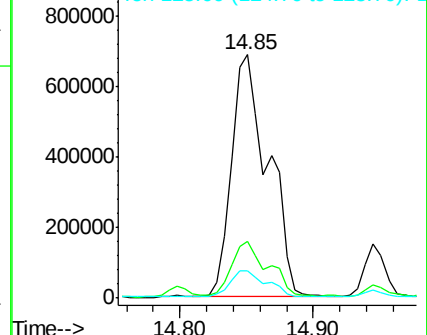
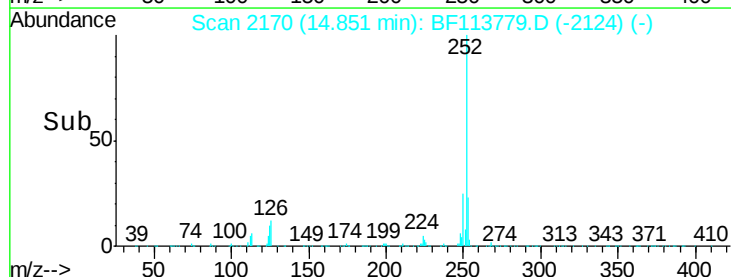
125 11.2 7.3 10.9#

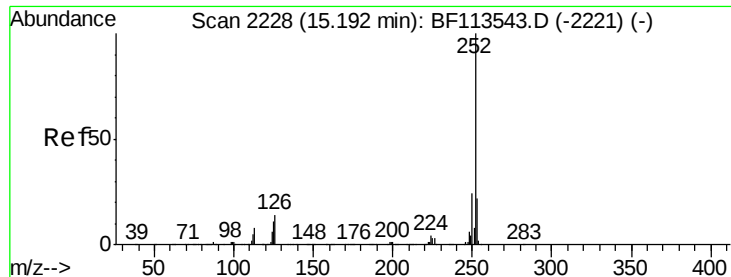


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

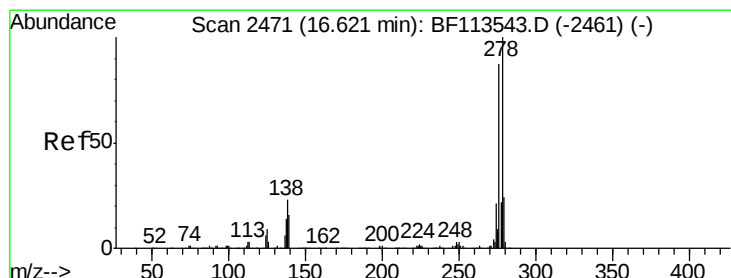
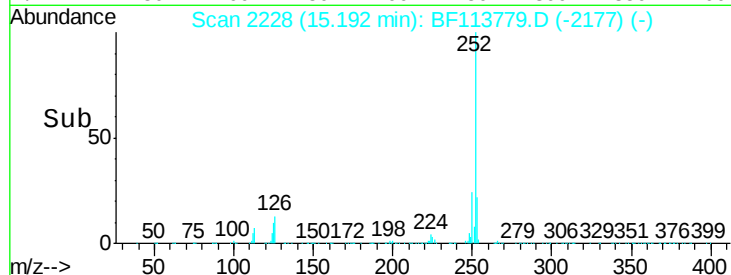
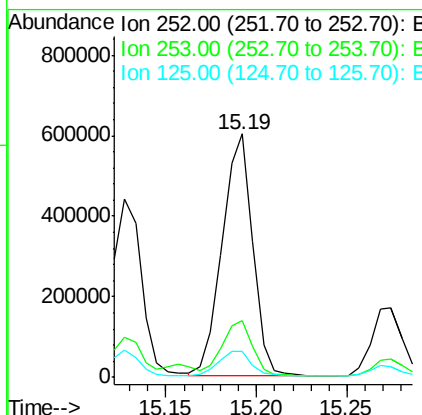
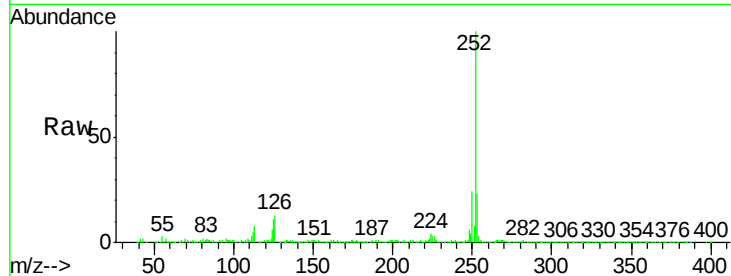




#90
Benzo(a)pyrene
Concen: 49.461 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

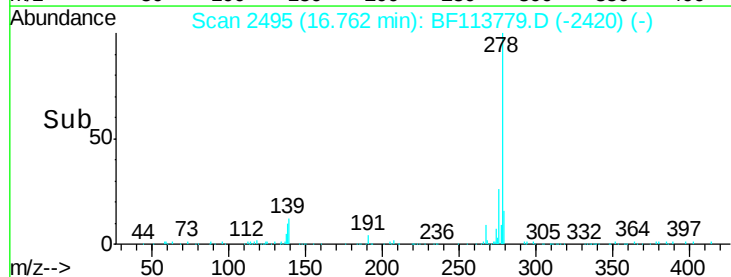
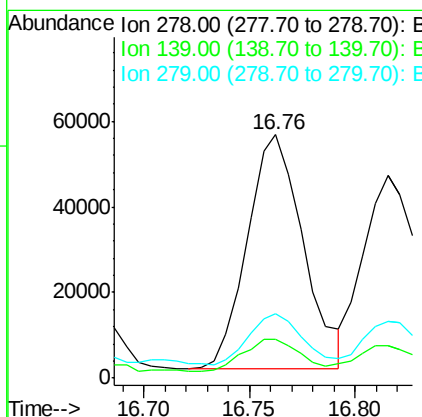
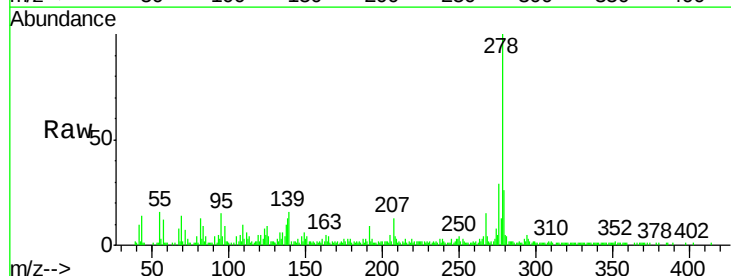
Instrument :
BNA_F
ClientSampleId :

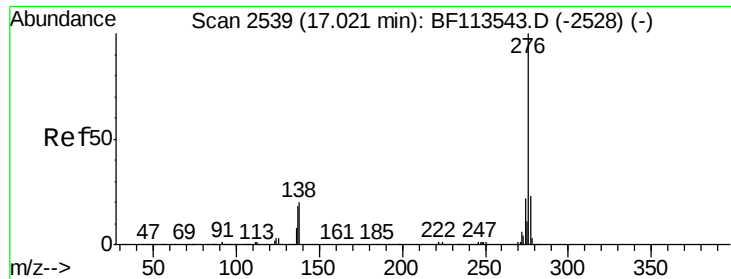
Tot Ion:252 Resp: 707830
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 10.8 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 7.532 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.14 min
Lab File: BF113779.D
Acq: 15 Apr 2019 22:57

Tgt Ion:278 Resp: 100805
Ion Ratio Lower Upper
278 100
139 15.8 12.0 18.0
279 26.4 19.0 28.6





#92
 Benzo(a,h,i)perylene
 Concen: 30.418 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. 0.01 min
 Lab File: BF113779.D
 Acq: 15 Apr 2019 22:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.8	28.2
138	20.0	15.6	23.4

