

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040119\
 Data File : BF113492.D
 Acq On : 2 Apr 2019 5:41
 Operator : JU/SJ
 Sample : K2153-15DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 02 07:03:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	123924	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	476766	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	219125	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	394582	20.00	ng	0.00
76) Chrysene-d12	13.85	240	354243	20.00	ng	0.00
87) Perylene-d12	15.26	264	254509	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	278017	36.68	ng	0.00
7) Phenol-d6	6.35	99	380535	39.69	ng	0.00
23) Nitrobenzene-d5	7.27	82	211157	26.29	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	93245	34.45	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	461757	19.42	ng	0.00
79) Terphenyl-d14	12.79	244	469244	29.20	ng	0.00

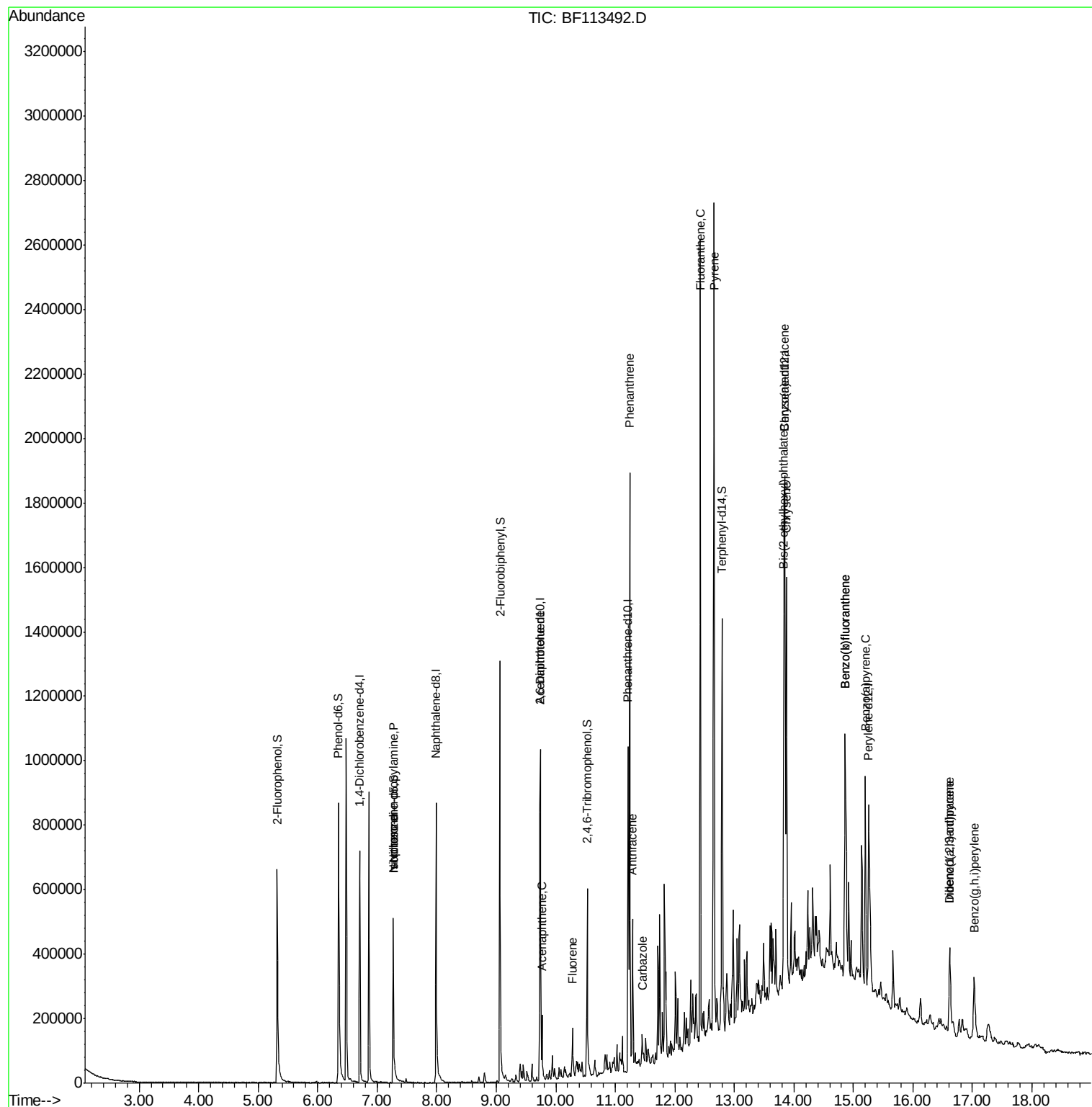
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	25457	4.227	ng	# 78
25) Isophorone	7.27	82	211155	13.564	ng	# 64
51) 2,6-Dinitrotoluene	9.74	165	28246	7.710	ng	# 27
52) Acenaphthene	9.77	154	41100	3.203	ng	99
58) Fluorene	10.29	166	51008	3.404	ng	99
71) Phenanthrene	11.24	178	755410	38.551	ng	99
72) Anthracene	11.29	178	194286	9.761	ng	98
73) Carbazole	11.45	167	41706	2.196	ng	99
75) Fluoranthene	12.43	202	1078739	48.698	ng	99
78) Pyrene	12.66	202	1101608	44.876	ng	99
81) Benzo(a)anthracene	13.84	228	535877	26.427	ng	99
83) Chrysene	13.87	228	466142	22.632	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	121077	9.129	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	163491	9.249	ng	97
88) Benzo(b)fluoranthene	14.86	252	569305	36.009	ng	# 98
89) Benzo(k)fluoranthene	14.86	252	569305	41.004	ng	# 97
90) Benzo(a)pyrene	15.20	252	308935	22.041	ng	98
91) Dibenzo(a,h)anthracene	16.62	278	39612	3.269	ng	# 82
92) Benzo(a,h,i)perylene	17.03	276	172416	14.110	ng	98

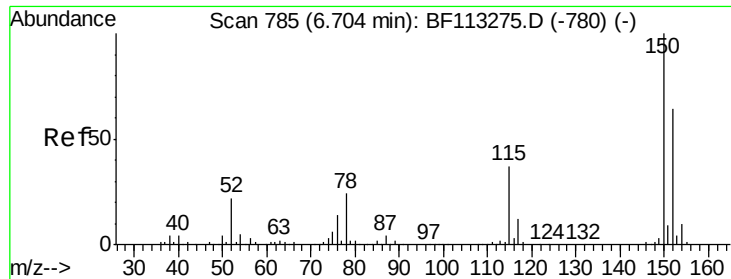
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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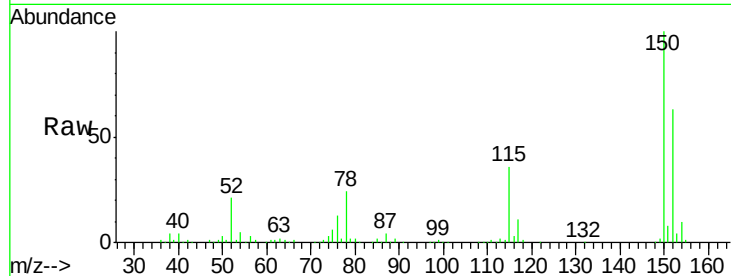




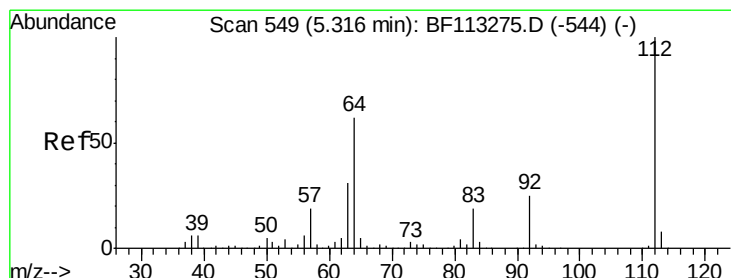
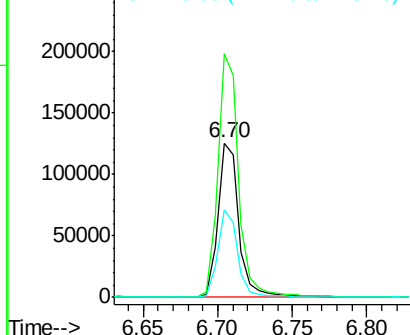
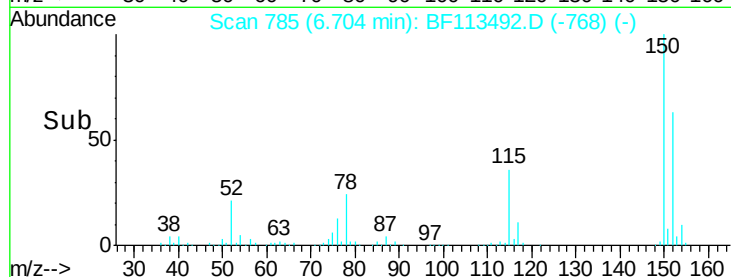
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 123924
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.7 187.1
 115 56.8 46.0 69.0

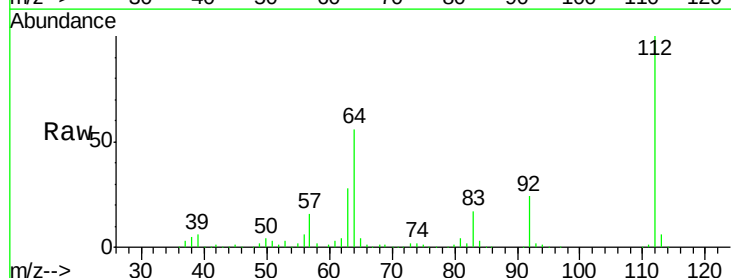


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

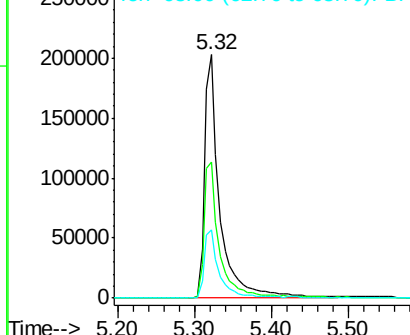
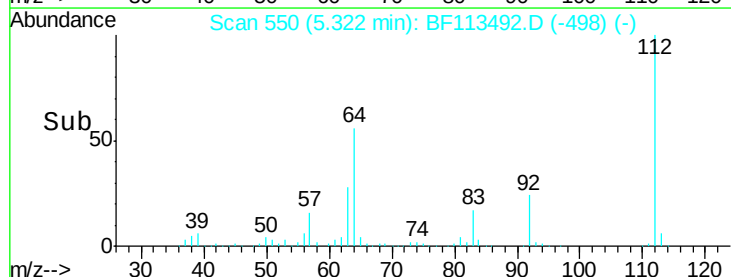


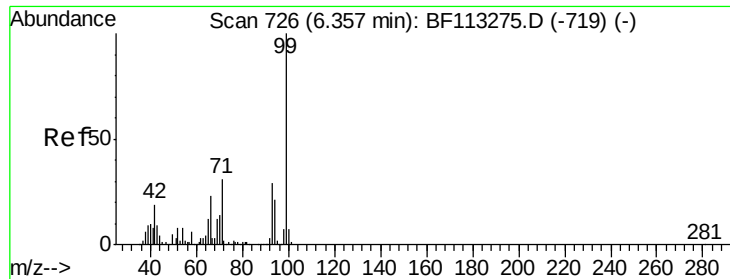
#5
 2-Fluorophenol
 Concen: 36.683 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Tgt Ion:112 Resp: 278017
 Ion Ratio Lower Upper
 112 100
 64 55.9 49.2 73.8
 63 28.1 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: 39.690 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

Instrument :

BNA_F

ClientSampleId :

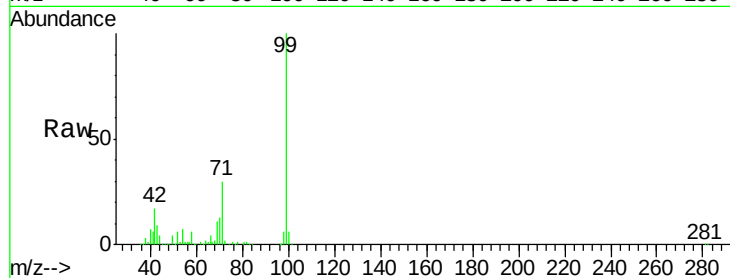
Tot Ion: 99 Resp: 380535

Ion Ratio Lower Upper

99 100

42 17.4 14.8 22.2

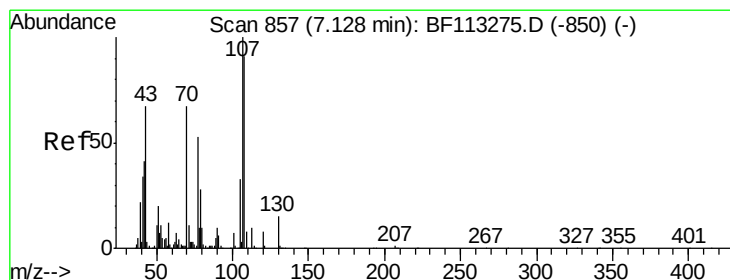
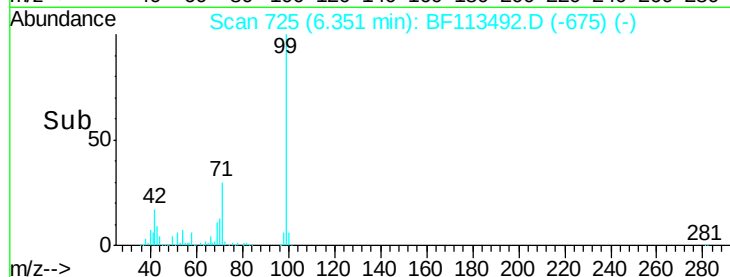
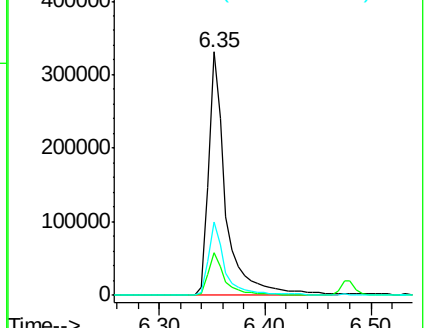
71 30.1 24.9 37.3



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: 4.227 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

Tgt Ion: 70 Resp: 25457

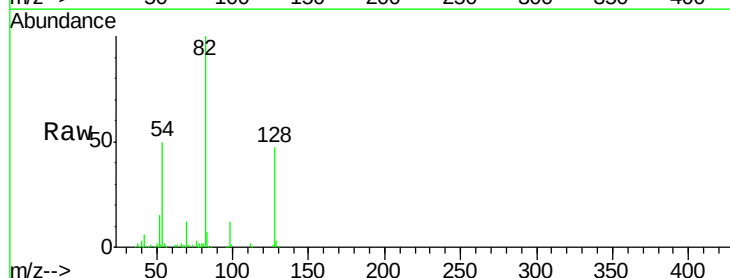
Ion Ratio Lower Upper

70 100

42 50.2 48.4 72.6

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

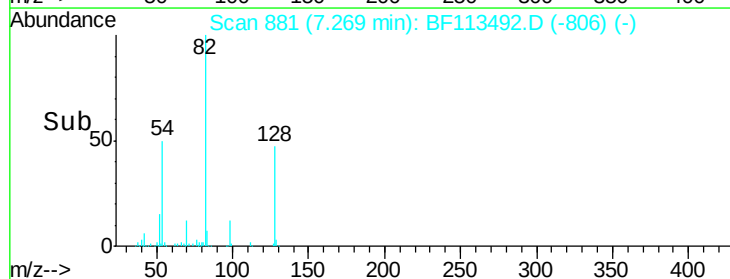
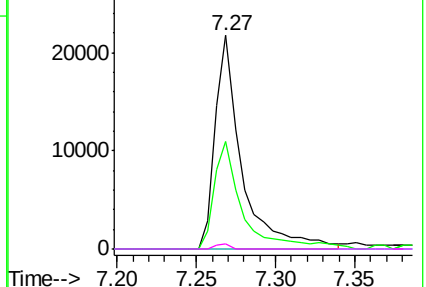


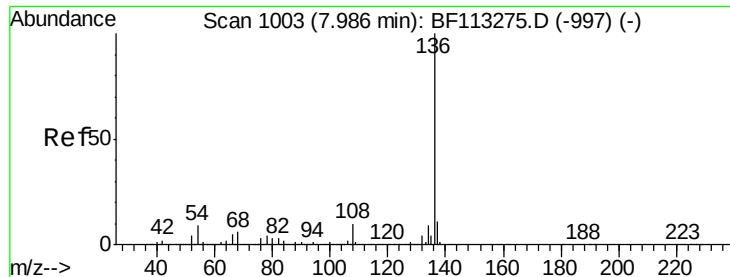
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 476766

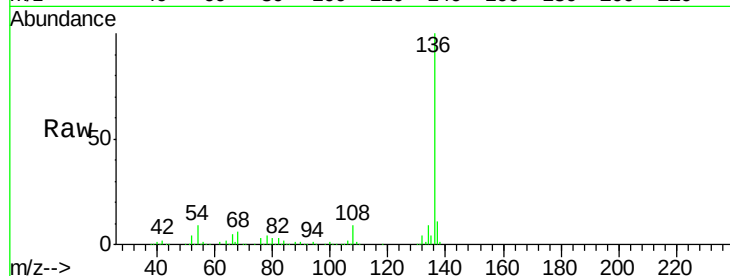
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.5 7.0 10.6

68 6.4 4.8 7.2

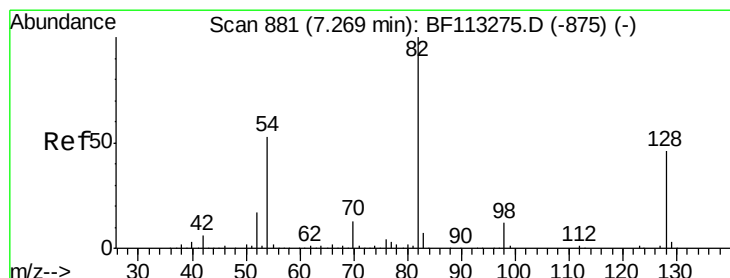
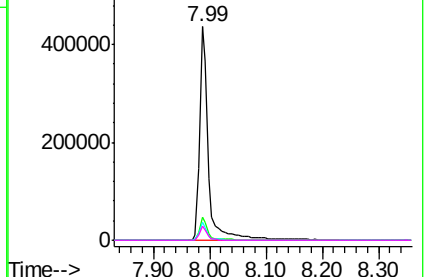
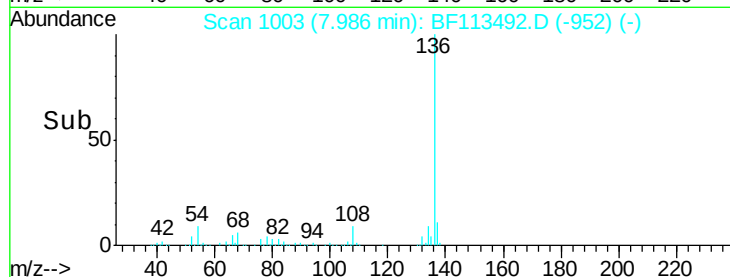


Abundance Ion 136.00 (135.70 to 136.70): E

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: 26.288 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

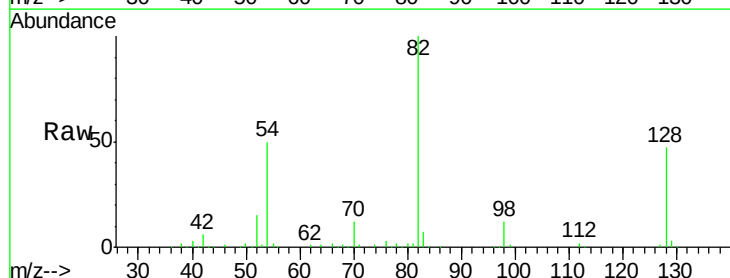
Tgt Ion: 82 Resp: 211157

Ion Ratio Lower Upper

82 100

128 47.3 36.5 54.7

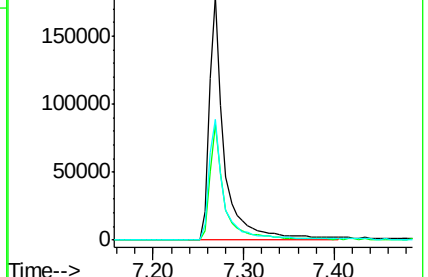
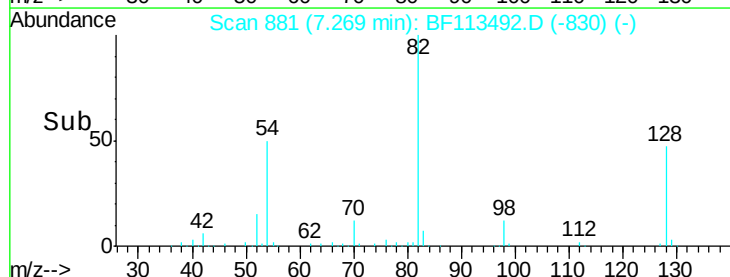
54 49.7 42.2 63.2

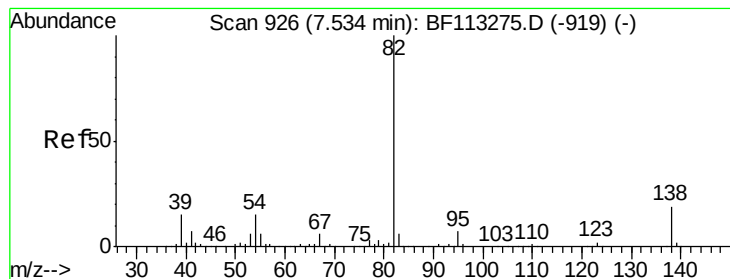


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.564 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

Instrument :

BNA_F

ClientSampled :

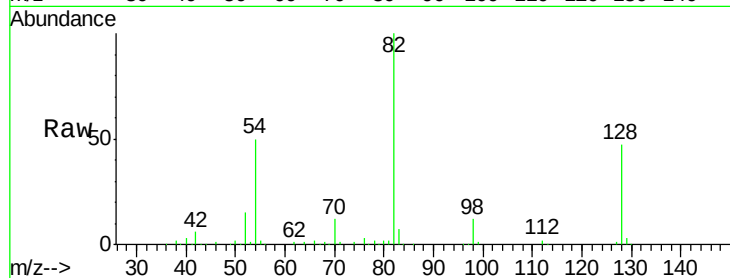
Tot Ion: 82 Resp: 211155

Ion Ratio Lower Upper

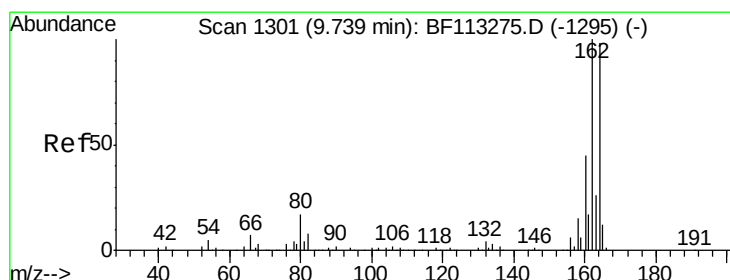
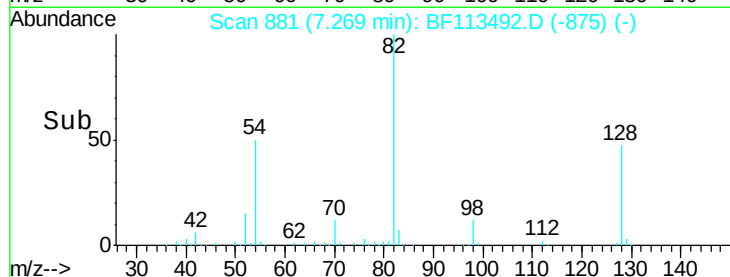
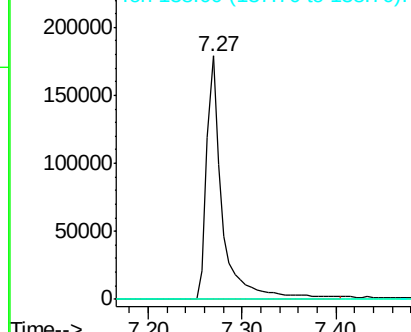
82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



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: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

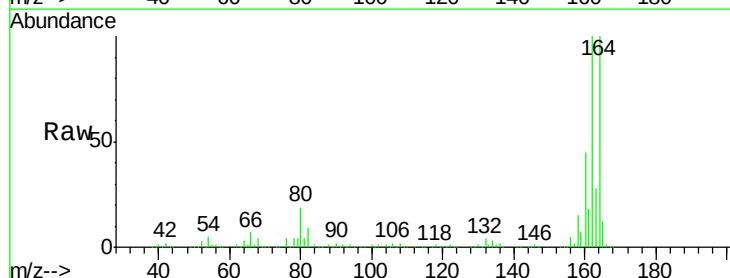
Tgt Ion: 164 Resp: 219125

Ion Ratio Lower Upper

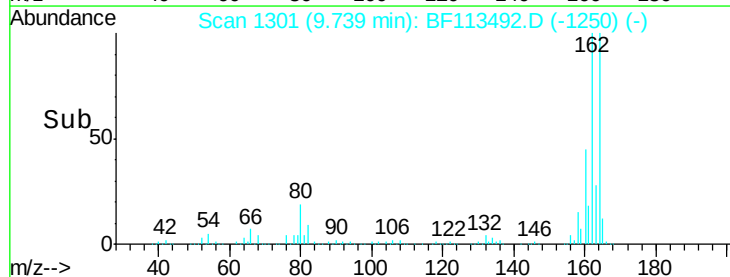
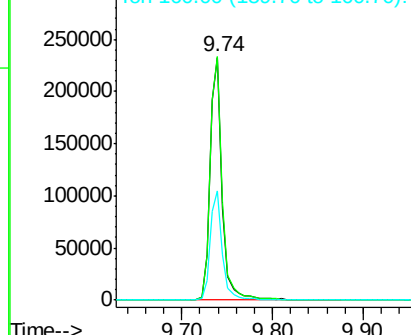
164 100

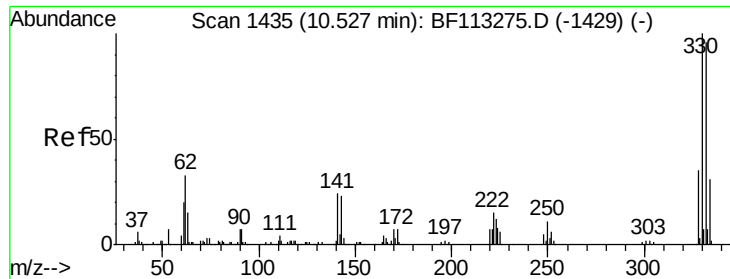
162 100.2 81.8 122.6

160 44.8 36.4 54.6



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

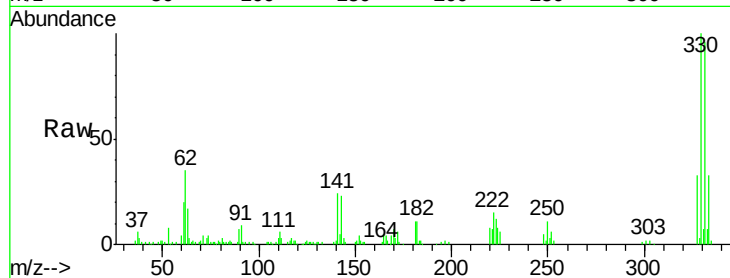




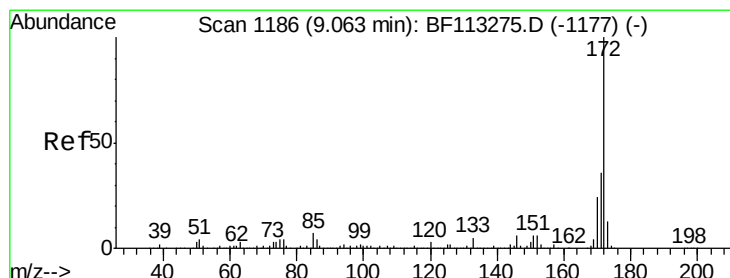
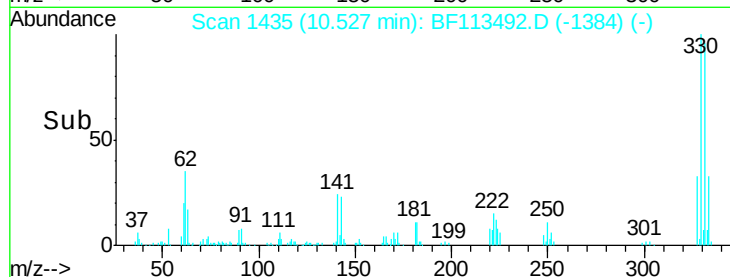
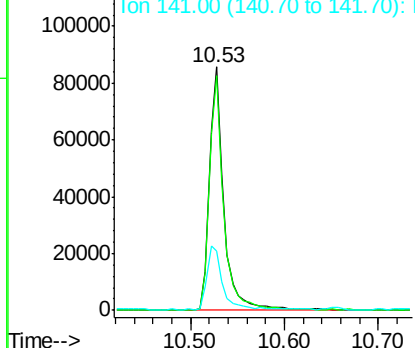
#42
 2,4,6-Tribromophenol
 Concen: 34.450 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 93245
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.8 116.6
 141 29.9 22.7 34.1

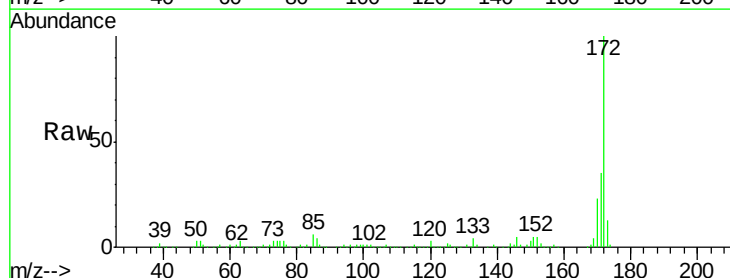


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

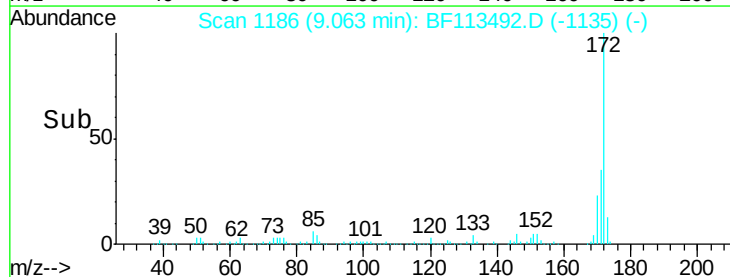
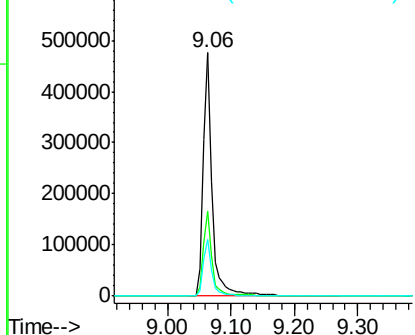


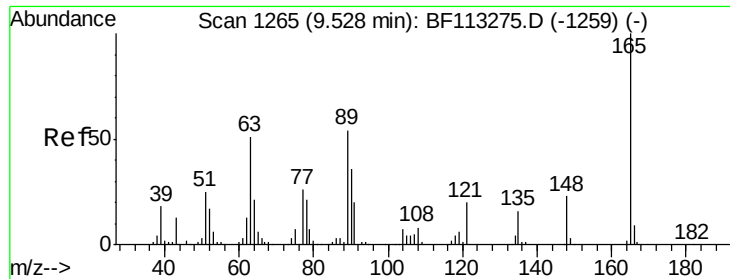
#45
 2-Fluorobiphenyl
 Concen: 19.421 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Tgt Ion:172 Resp: 461757
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.0 43.6
 170 23.5 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





#51

2,6-Dinitrotoluene

Concen: 7.710 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.21 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

Instrument :

BNA_F

ClientSampleId :

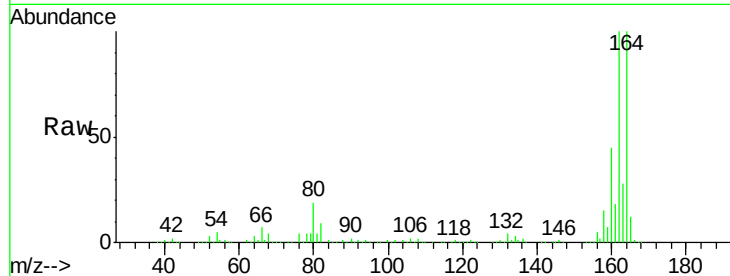
Tot Ion:165 Resp: 28246

Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.0#

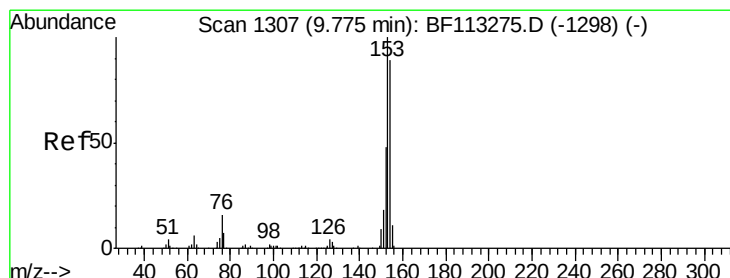
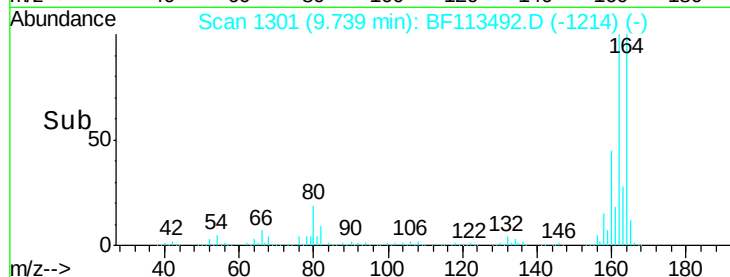
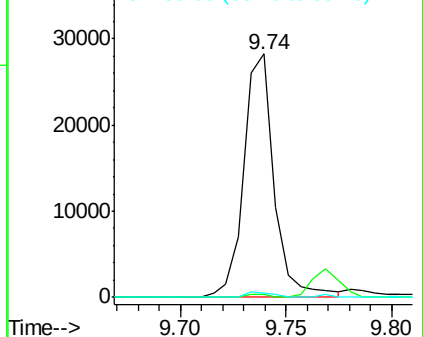
89 1.7 43.1 64.7#



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: 3.203 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

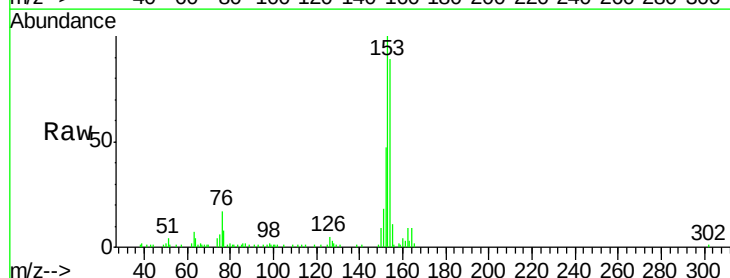
Tgt Ion:154 Resp: 41100

Ion Ratio Lower Upper

154 100

153 111.7 89.5 134.3

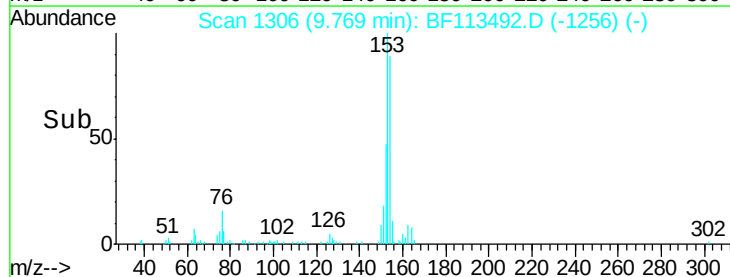
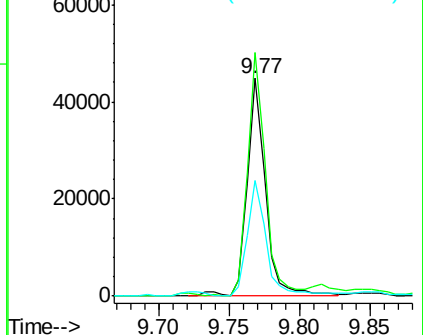
152 52.9 43.3 64.9

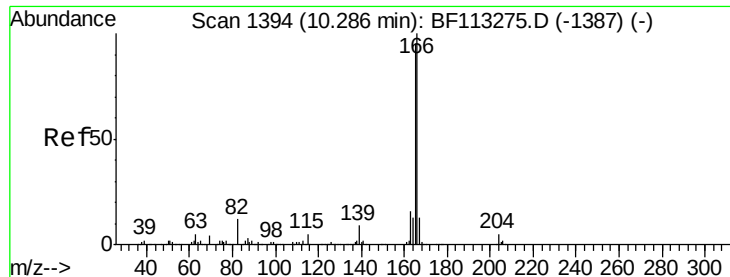


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

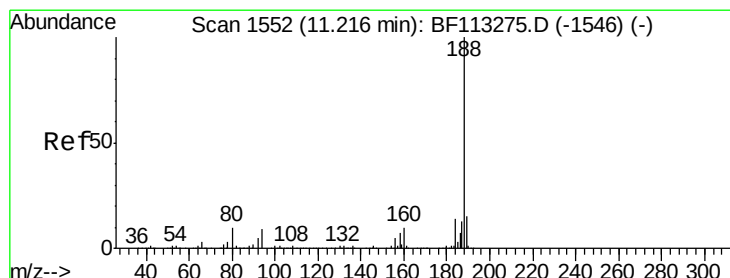
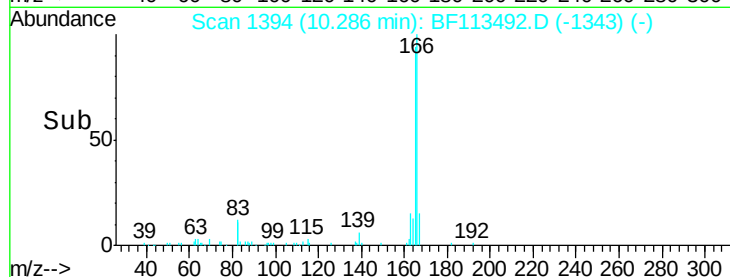
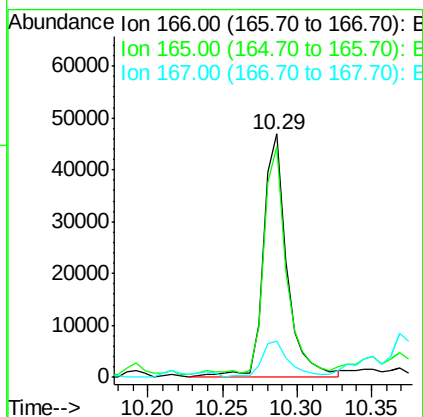
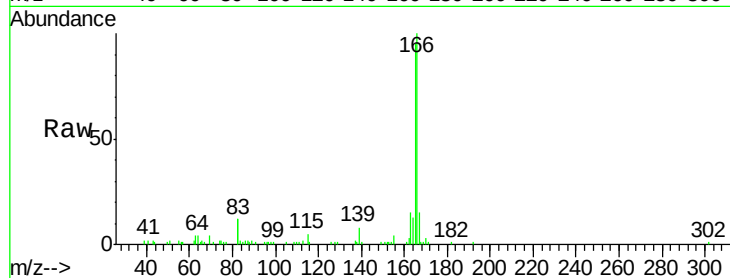




#58
 Fluorene
 Concen: 3.404 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

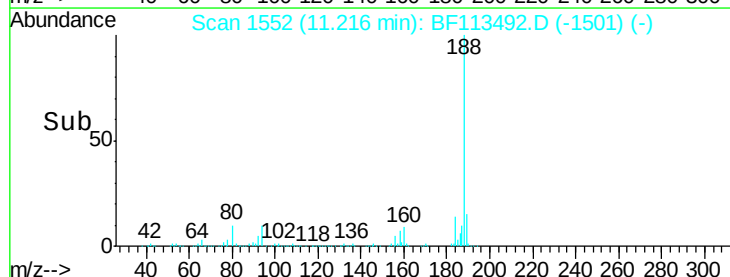
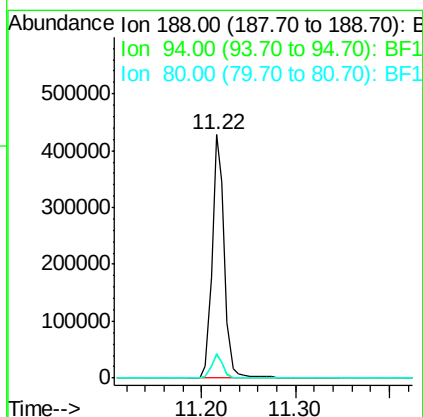
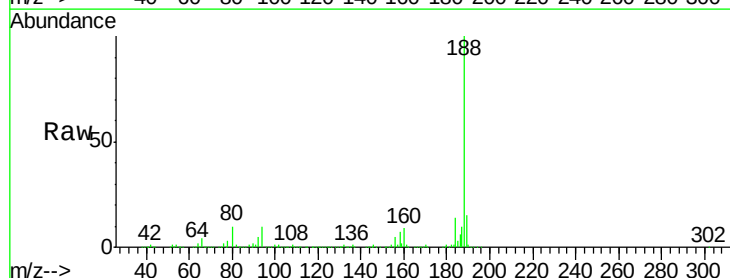
Instrument :
 BNA_F
 ClientSampleId :

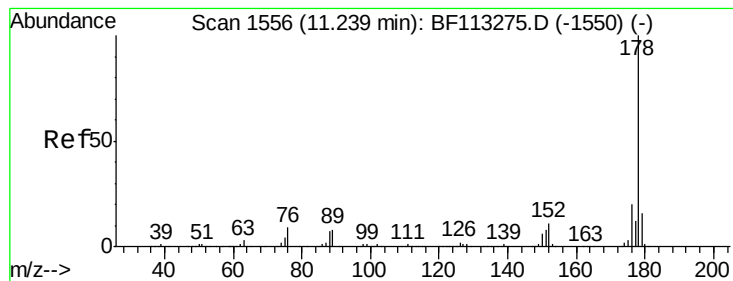
Tot Ion:166 Resp: 51008
 Ion Ratio Lower Upper
 166 100
 165 94.7 76.2 114.2
 167 15.2 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Tgt Ion:188 Resp: 394582
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.0 10.6
 80 9.9 7.7 11.5





#71

Phenanthrene

Concen: 38.551 ng

RT: 11.24 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

Instrument :

BNA_F

ClientSampleId :

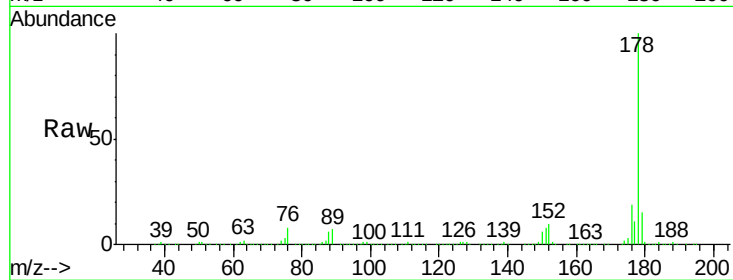
Tot Ion:178 Resp: 755410

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

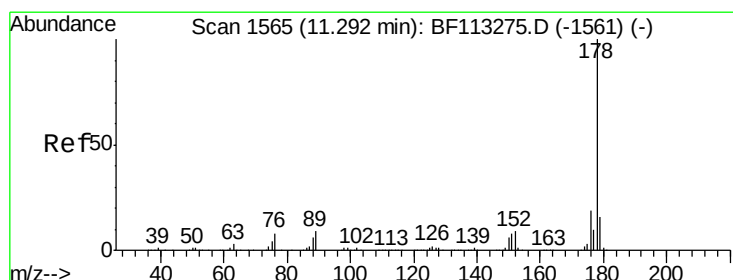
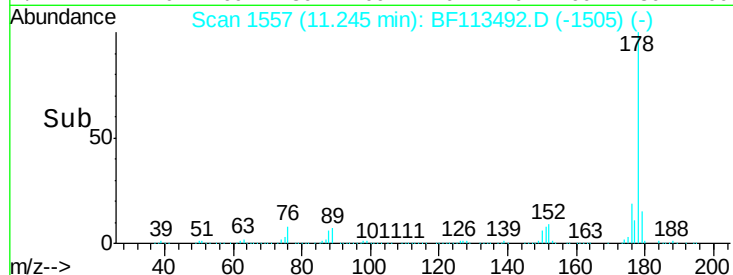
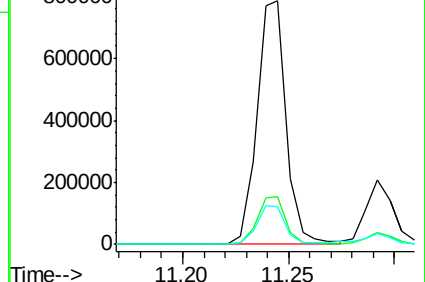
179 15.4 12.7 19.1



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: 9.761 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

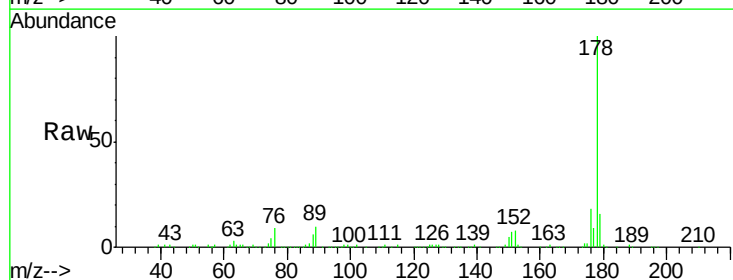
Tgt Ion:178 Resp: 194286

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

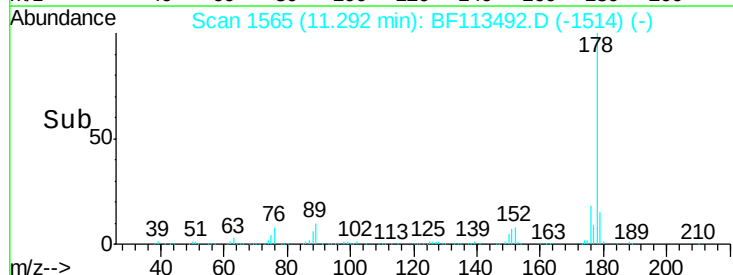
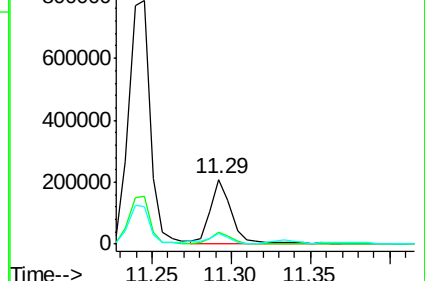
179 15.6 12.8 19.2

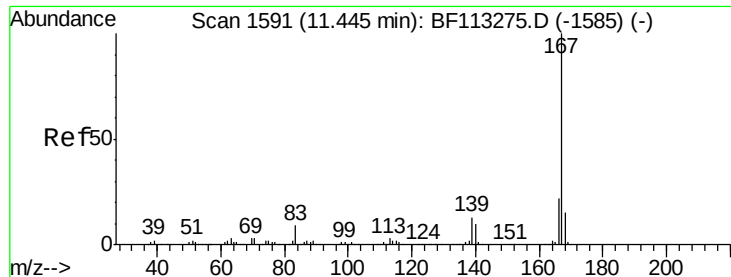


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

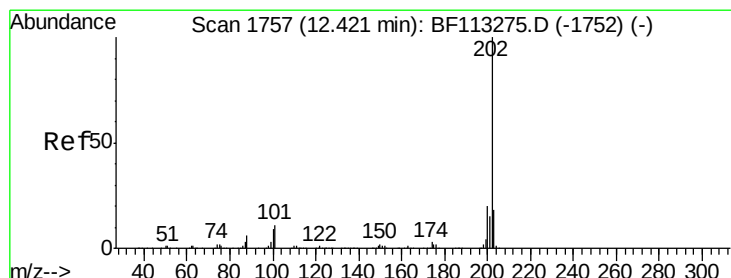
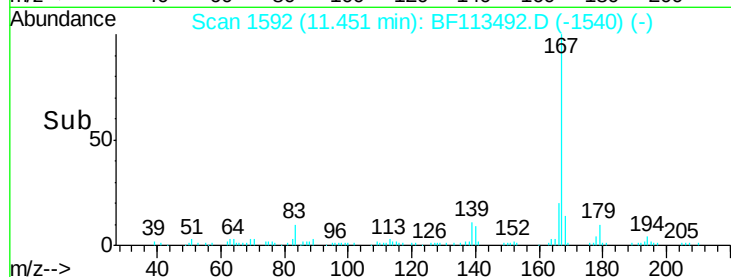
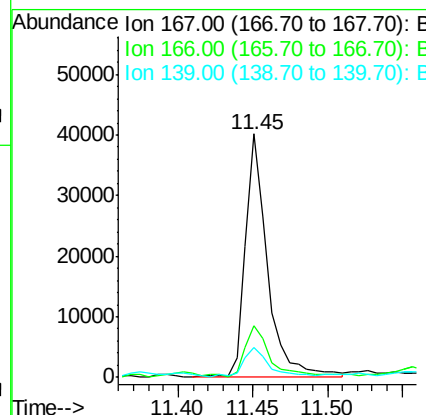
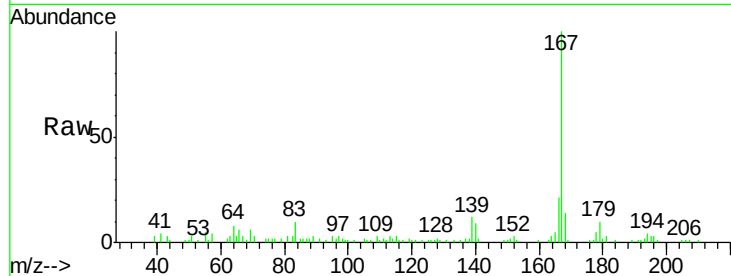




#73
 Carbazole
 Concen: 2.196 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

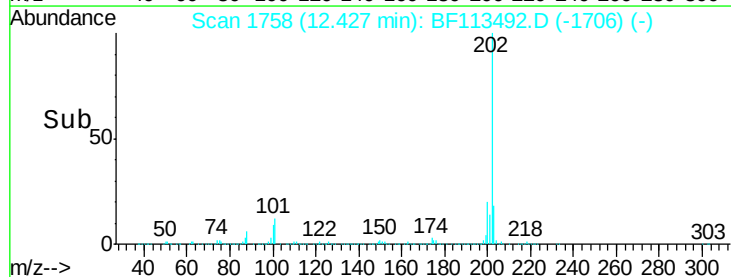
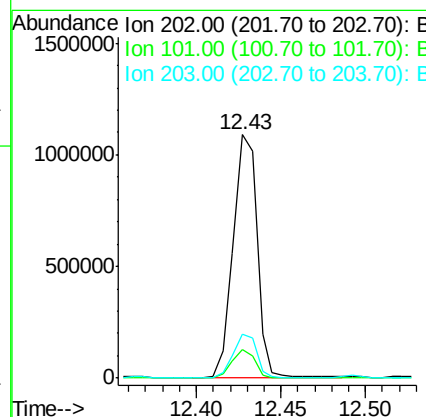
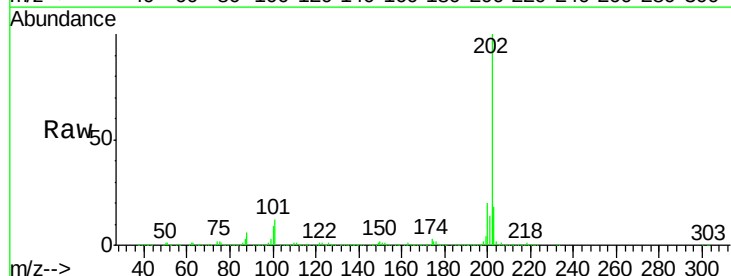
Instrument :
 BNA_F
 ClientSampleId :

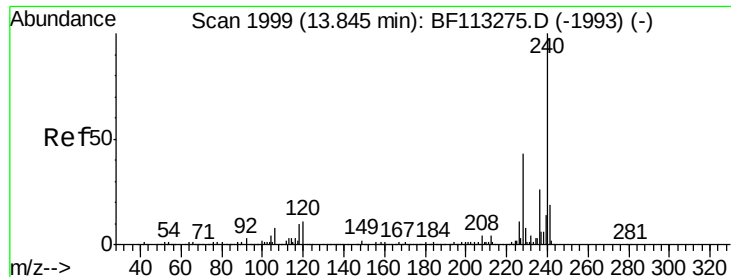
Tot Ion:167 Resp: 41706
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 12.3 10.4 15.6



#75
 Fluoranthene
 Concen: 48.698 ng
 RT: 12.43 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Tgt Ion:202 Resp: 1078739
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.4
 203 18.3 0.0 38.0

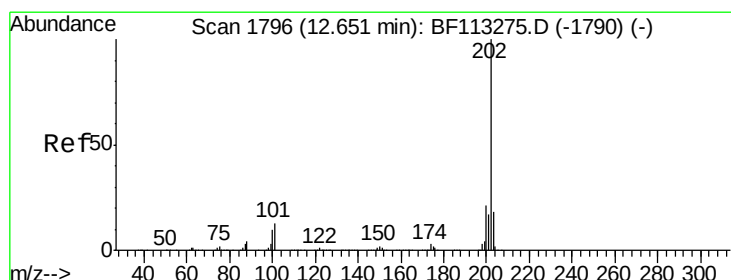
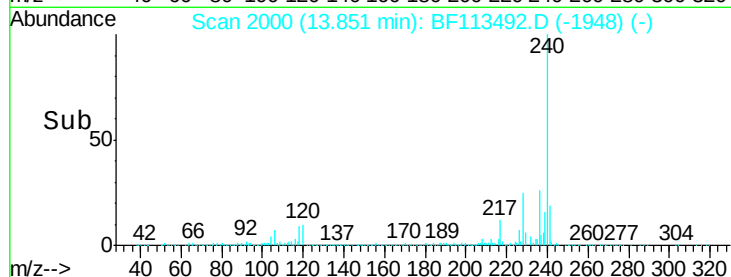
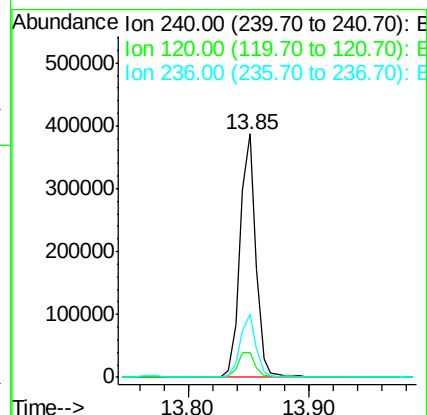
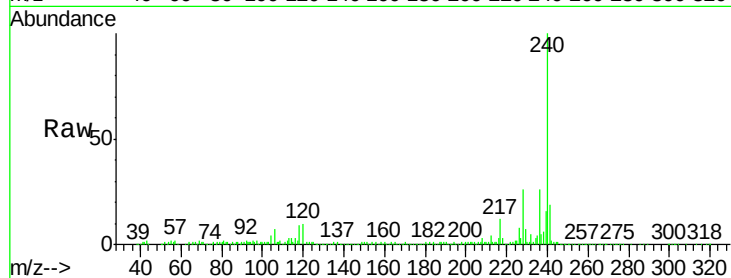




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

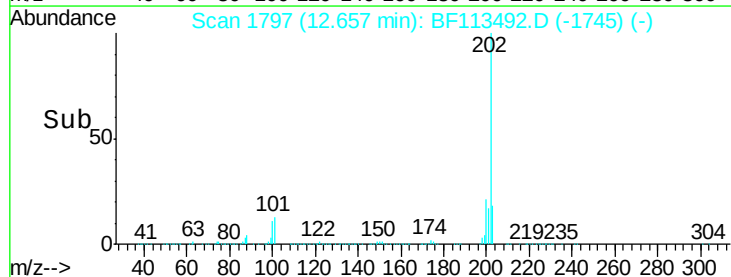
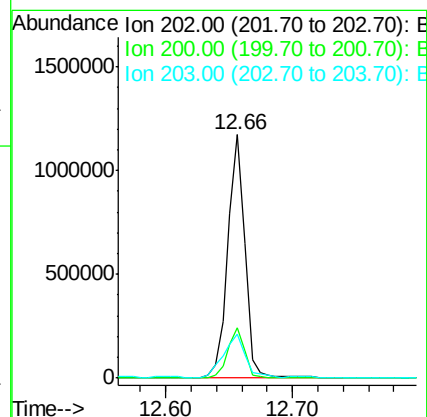
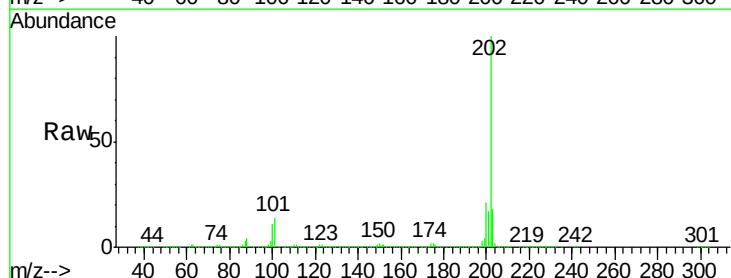
Instrument :
 BNA_F
 ClientSampleId :

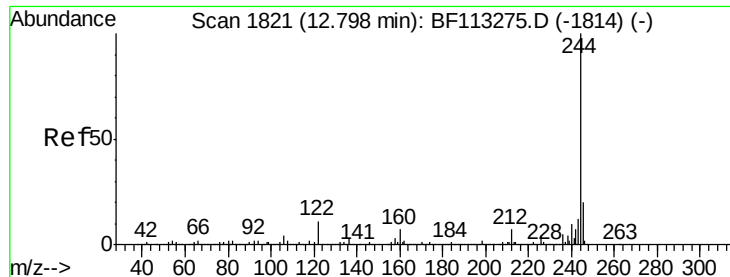
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.8	13.2
236	26.1	20.9	31.3



#78
 Pyrene
 Concen: 44.876 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. 0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.3	14.4	21.6

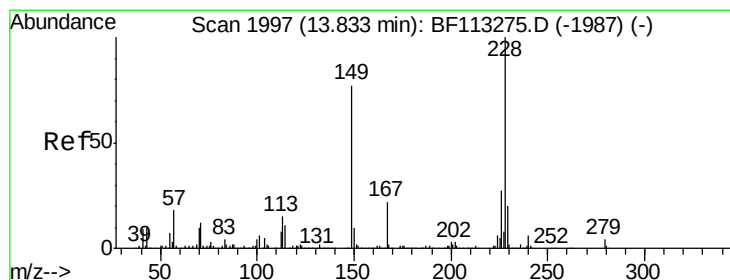
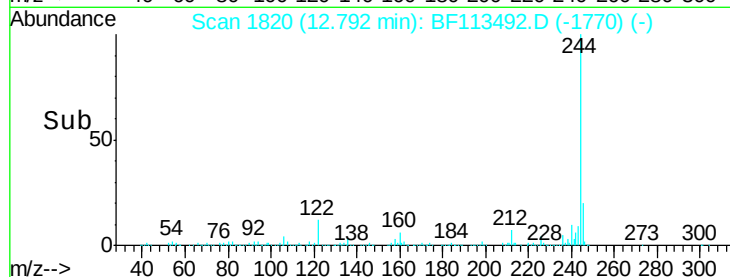
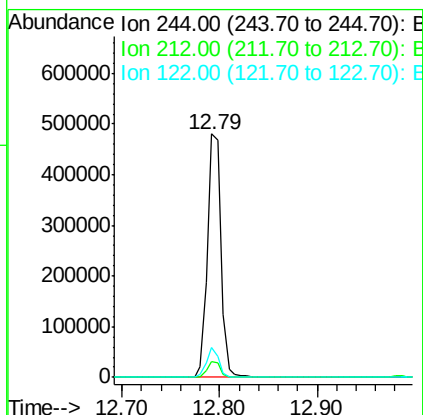
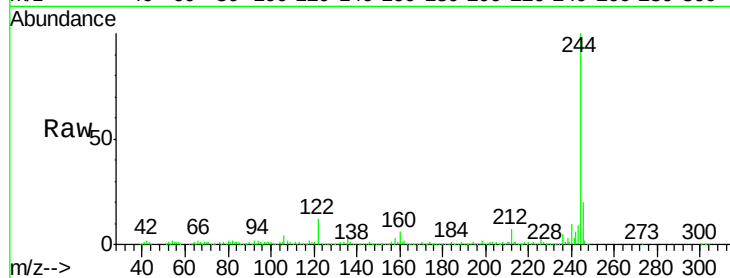




#79
 Terphenyl-d14
 Concen: 29.197 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

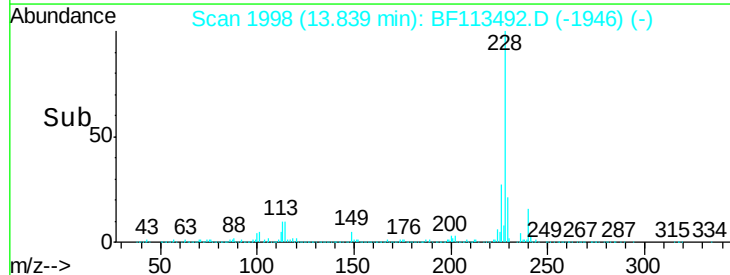
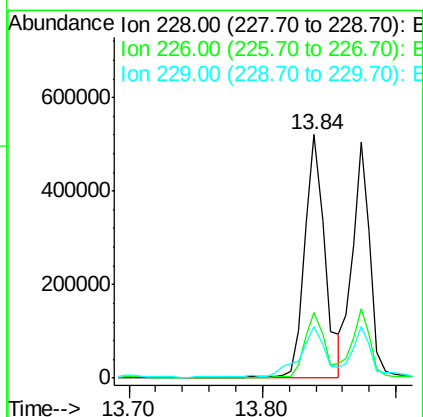
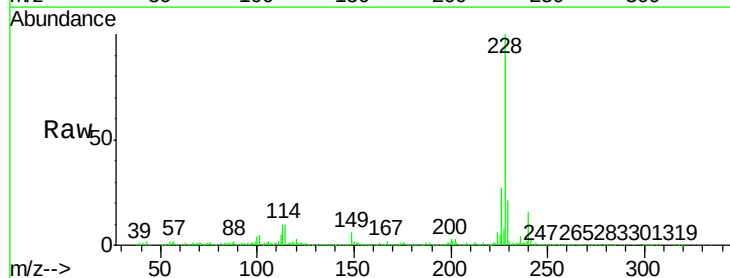
Instrument :
 BNA_F
 ClientSampleId :

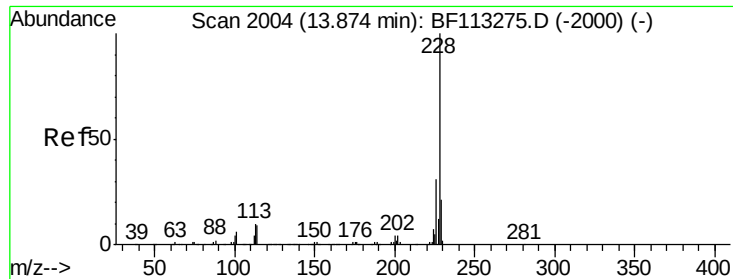
Tot Ion:244 Resp: 469244
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 12.2 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 26.427 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Tgt Ion:228 Resp: 535877
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.8 32.8
 229 21.1 16.2 24.4

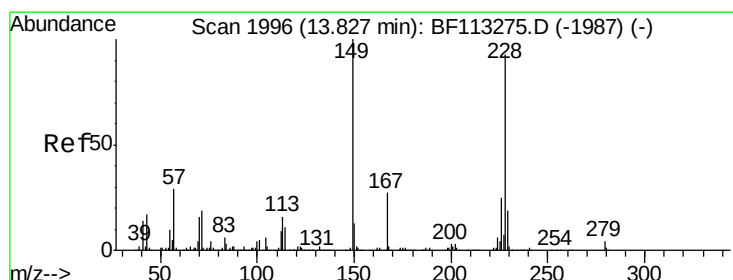
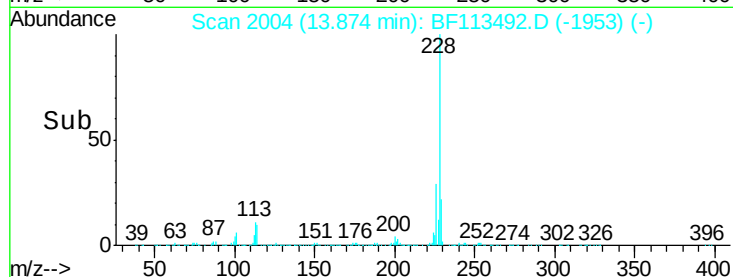
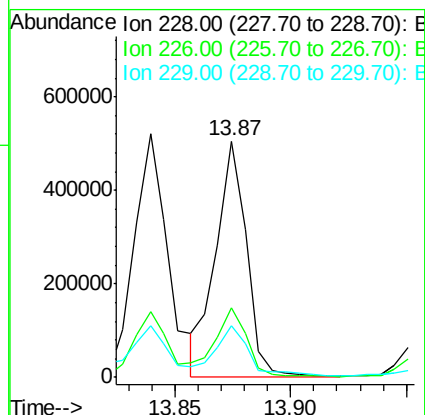
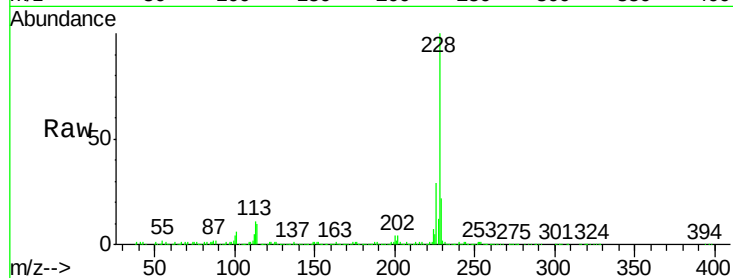




#83
Chrysene
Concen: 22.632 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF113492.D
Acq: 2 Apr 2019 5:41

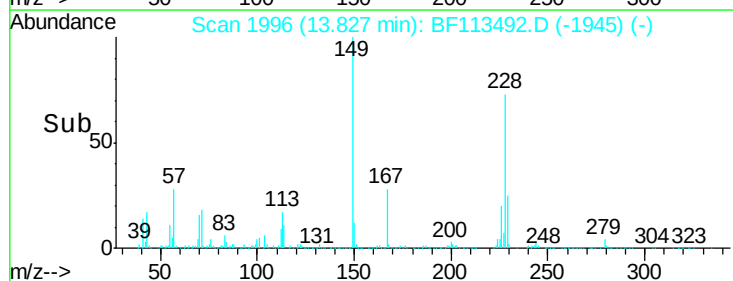
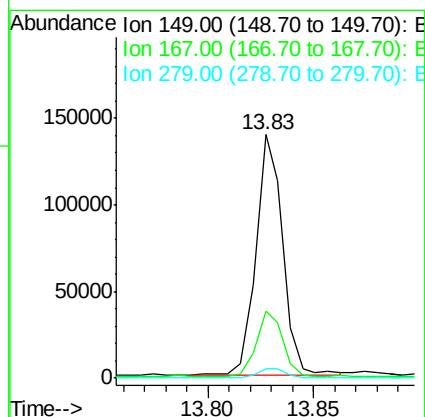
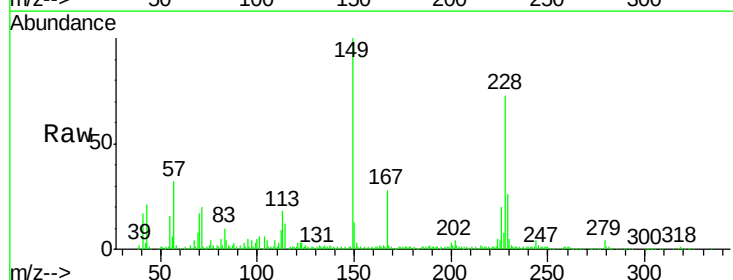
Instrument :
BNA_F
ClientSampleId :

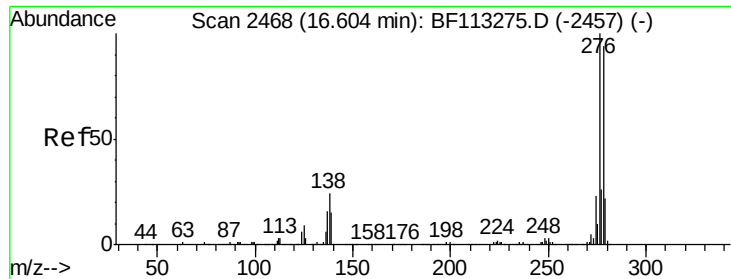
Tot Ion:228 Resp: 466142
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 21.9 16.3 24.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.129 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF113492.D
Acq: 2 Apr 2019 5:41

Tgt Ion:149 Resp: 121077
Ion Ratio Lower Upper
149 100
167 27.7 21.8 32.8
279 3.7 2.9 4.3

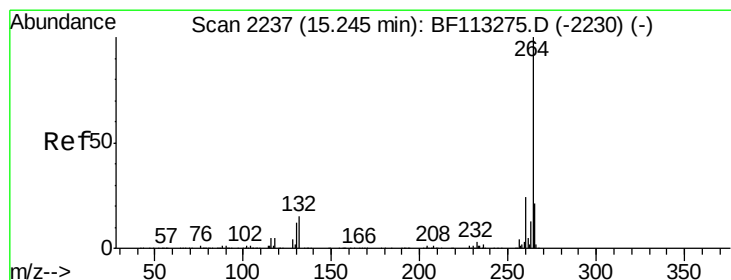
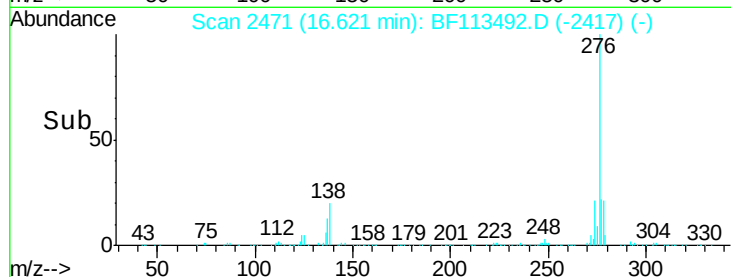
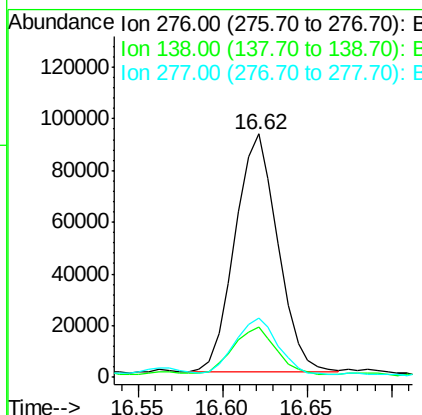
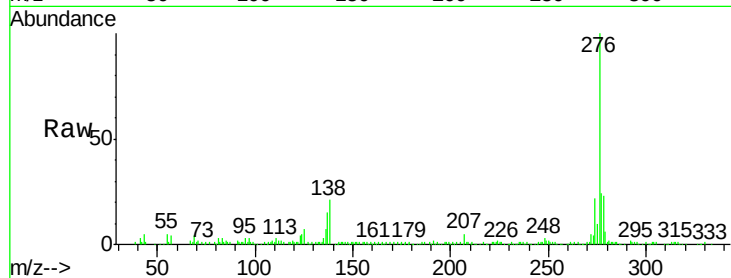




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.249 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. 0.02 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

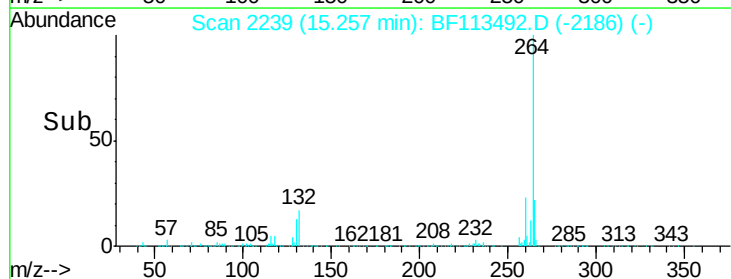
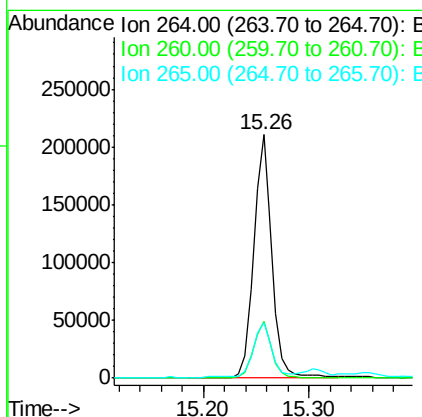
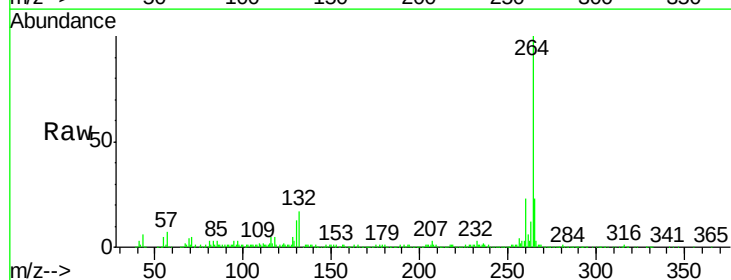
Instrument :
 BNA_F
 ClientSampleId :

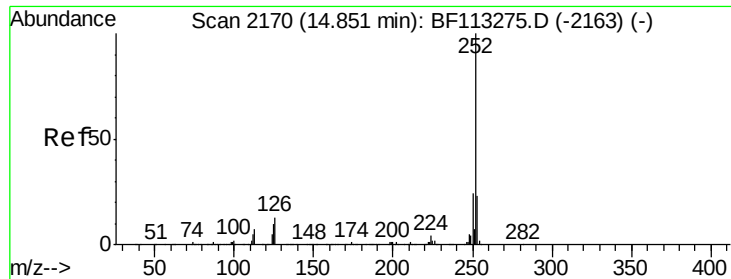
Tot Ion:276 Resp: 163491
 Ion Ratio Lower Upper
 276 100
 138 21.0 18.1 27.1
 277 23.5 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BF113492.D
 Acq: 2 Apr 2019 5:41

Tgt Ion:264 Resp: 254509
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 22.9 17.1 25.7

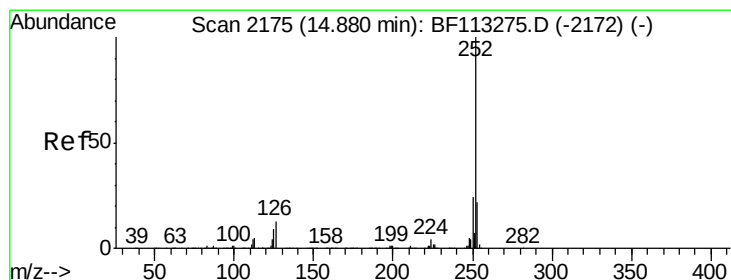
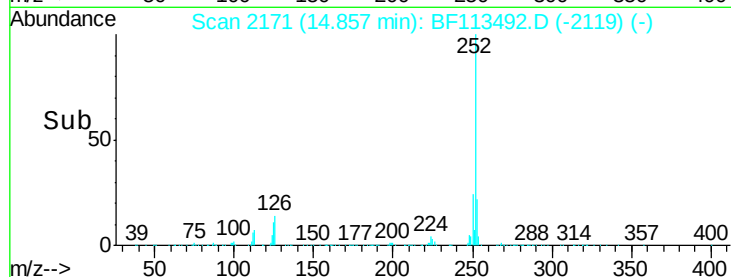
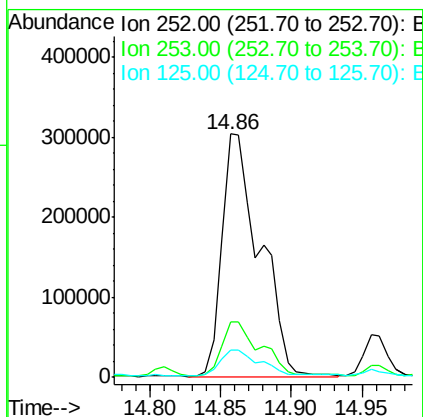
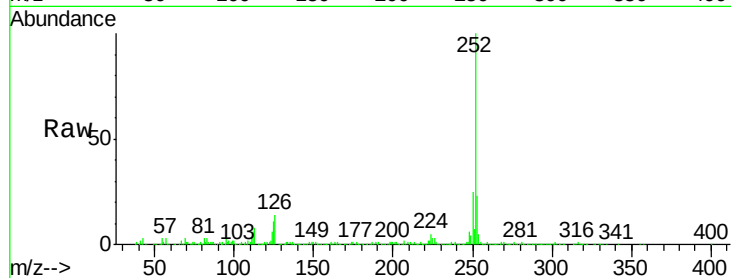




#88
Benzo(b)fluoranthene
Concen: 36.009 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113492.D
Acq: 2 Apr 2019 5:41

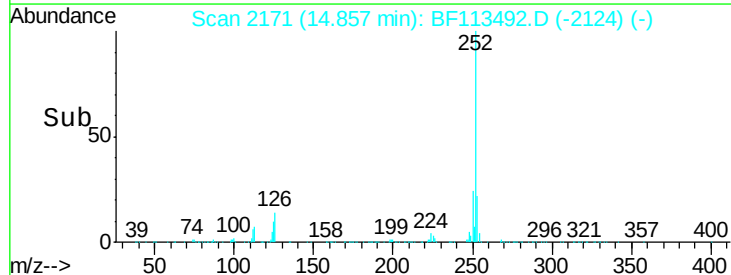
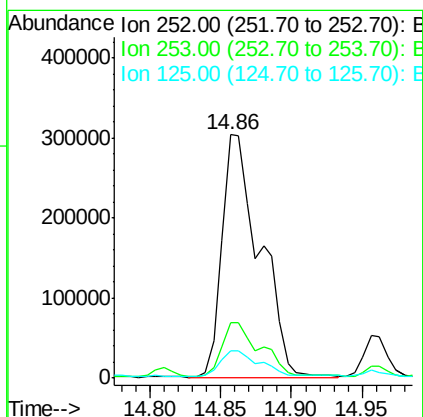
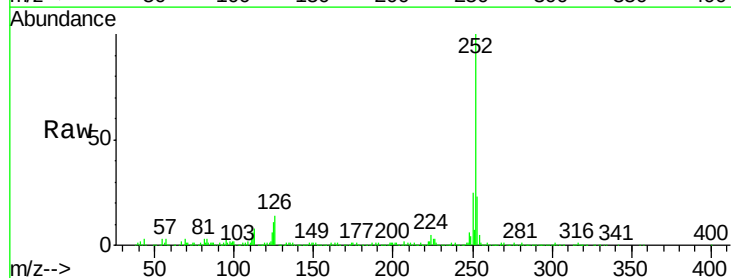
Instrument :
BNA_F
ClientSampleId :

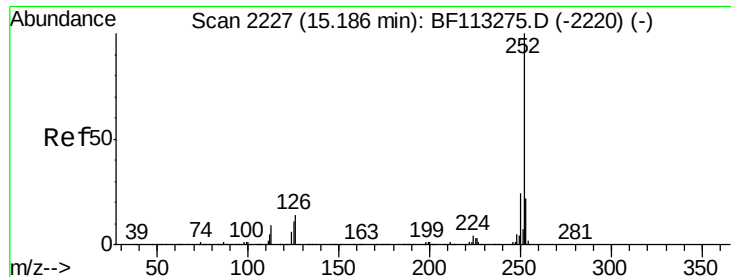
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.5	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 41.004 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF113492.D
Acq: 2 Apr 2019 5:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	11.5	7.3	10.9

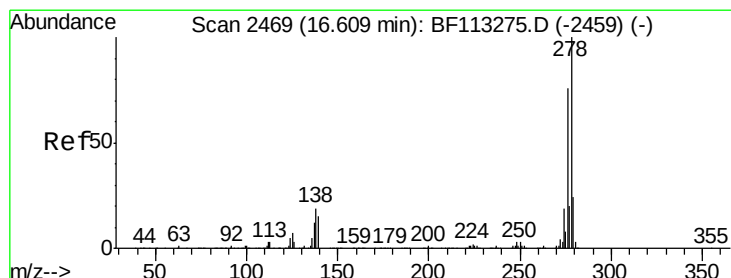
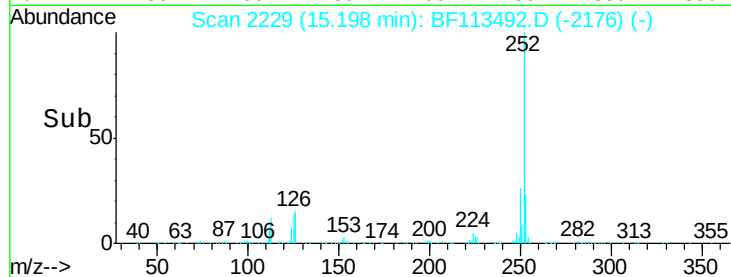
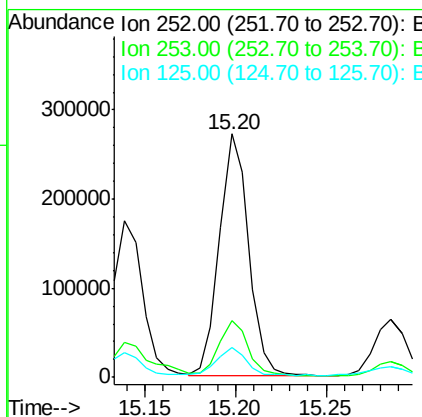
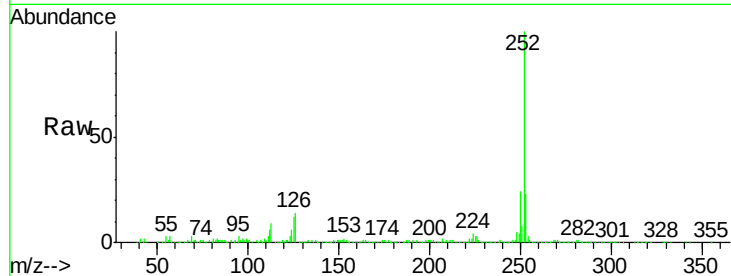




#90
Benzo(a)pyrene
Concen: 22.041 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF113492.D
Acq: 2 Apr 2019 5:41

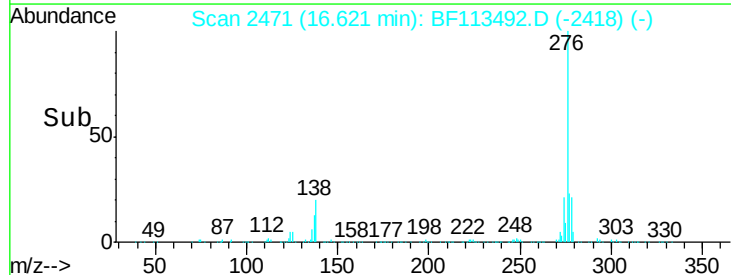
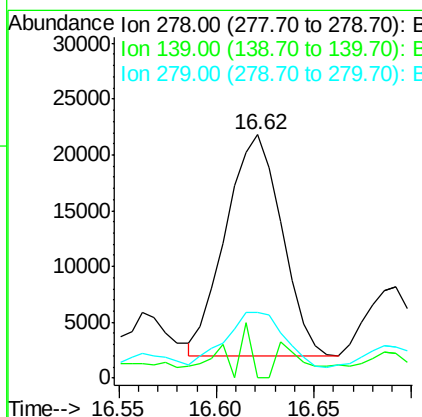
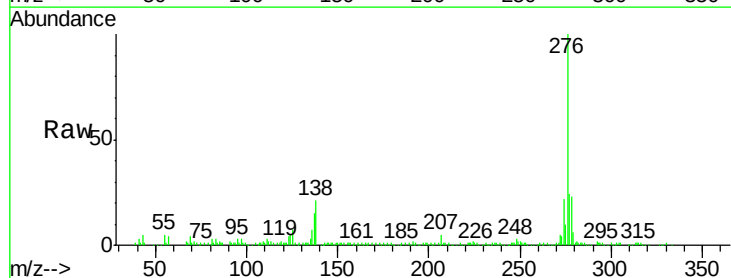
Instrument :
BNA_F
ClientSampleId :

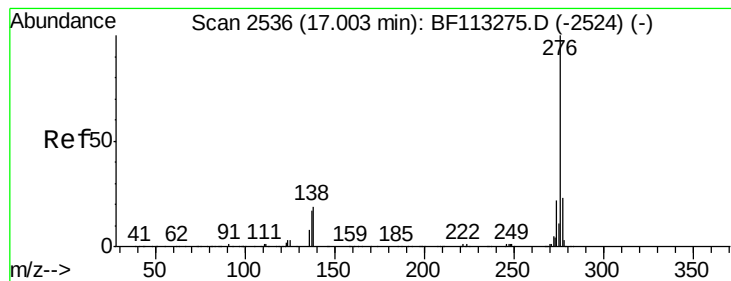
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.1	8.8	13.2



#91
Dibenzo(a,h)anthracene
Concen: 3.269 ng
RT: 16.62 min Scan# 2471
Delta R.T. 0.01 min
Lab File: BF113492.D
Acq: 2 Apr 2019 5:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	26.8	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 14.110 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.02 min

Lab File: BF113492.D

Acq: 2 Apr 2019 5:41

Instrument :

BNA_F

ClientSampleId :

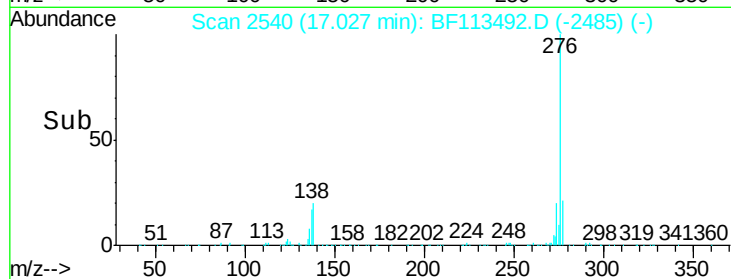
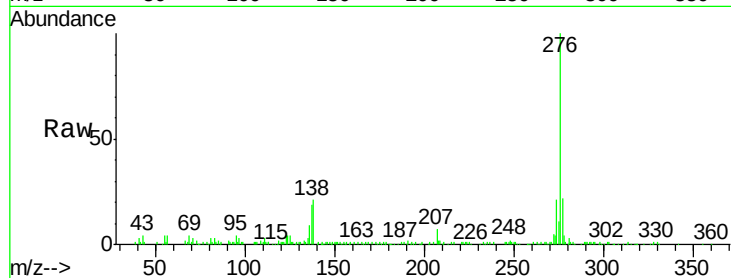
Tot Ion:276 Resp: 172416

Ion Ratio Lower Upper

276 100

277 22.5 18.8 28.2

138 20.6 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

