

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113476.D
 Acq On : 1 Apr 2019 19:47
 Operator : JU/SJ
 Sample : K1692-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Quant Time: Apr 02 01:09:48 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	6.71	152	135600	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	537589	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	248695	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	447787	20.00	ng	0.00
76) Chrysene-d12	13.85	240	392411	20.00	ng	0.00
87) Perylene-d12	15.26	264	275709	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	159557	19.24	ng	0.00
7) Phenol-d6	6.35	99	231039	22.02	ng	0.00
23) Nitrobenzene-d5	7.27	82	119638	13.21	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	57973	18.87	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	276066	-0.30	ng	0.00
79) Terphenyl-d14	12.79	244	279903	15.72	ng	0.00

Target Compounds

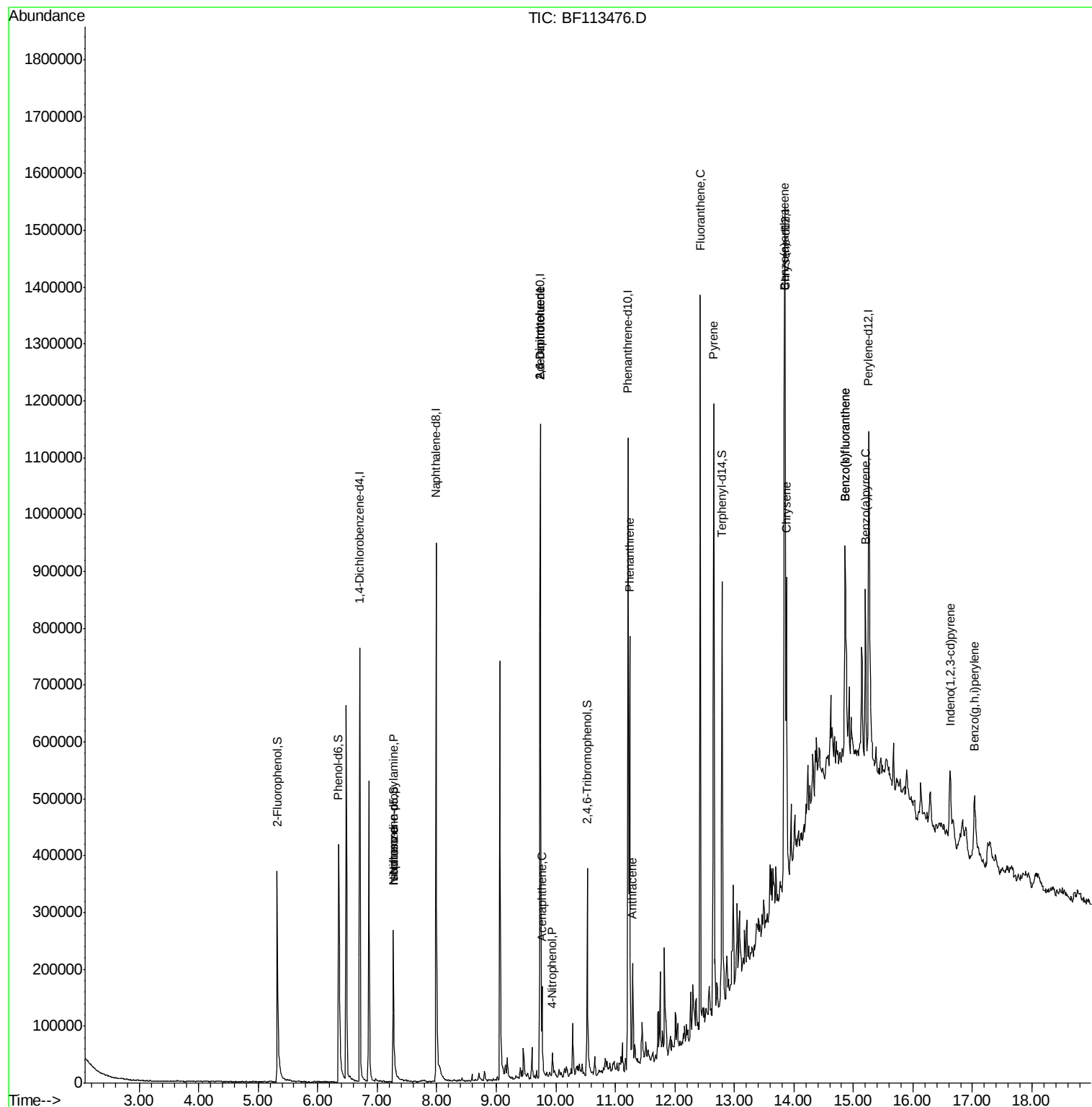
						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	15743	2.389	ng	# 78
25) Isophorone	7.27	82	119636	6.816	ng	# 64
51) 2,6-Dinitrotoluene	9.74	165	31570	7.593	ng	# 27
52) Acenaphthene	9.77	154	29854	2.050	ng	100
56) 4-Nitrophenol	9.95	139	7112	2.128	ng	# 7
57) 2,4-Dinitrotoluene	9.74	165	31894	6.032	ng	# 23
71) Phenanthrene	11.24	178	291266	13.098	ng	98
72) Anthracene	11.29	178	87618	3.879	ng	97
75) Fluoranthene	12.43	202	520962	20.723	ng	100
78) Pyrene	12.65	202	484141	17.804	ng	98
81) Benzo(a)anthracene	13.84	228	238871	10.634	ng	97
83) Chrysene	13.87	228	202788	8.888	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	77533	3.960	ng	98
88) Benzo(b)fluoranthene	14.86	252	281501	16.436	ng	# 94
89) Benzo(k)fluoranthene	14.86	252	281501	18.716	ng	# 93
90) Benzo(a)pyrene	15.20	252	146943	9.678	ng	95
92) Benzo(g,h,i)perylene	17.03	276	83287	6.292	ng	94

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

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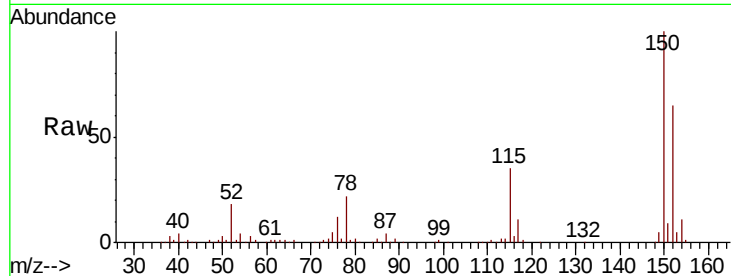


#1

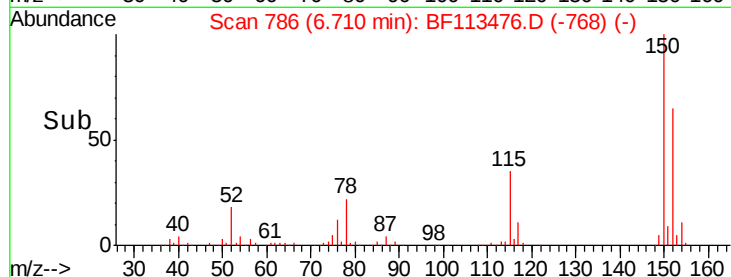
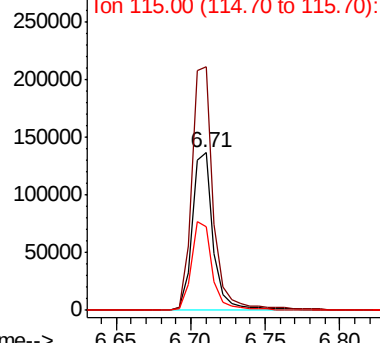
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Instrument :
BNA_F
ClientSampleId :
OK-03-032919

Tgt Ion:152 Resp: 135600
Ion Ratio Lower Upper
152 100
150 154.6 124.7 187.1
115 53.4 46.0 69.0



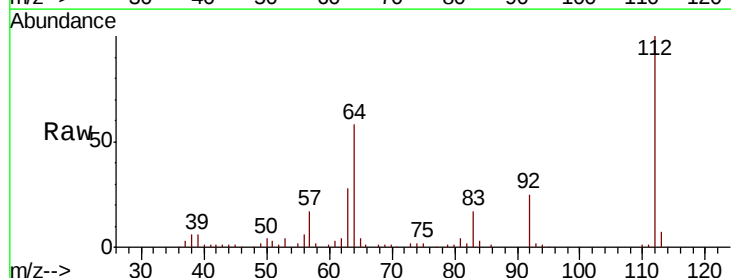
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



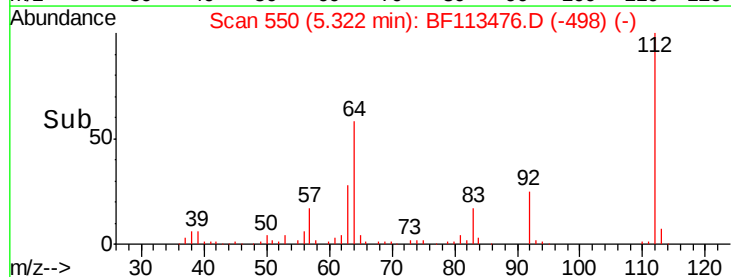
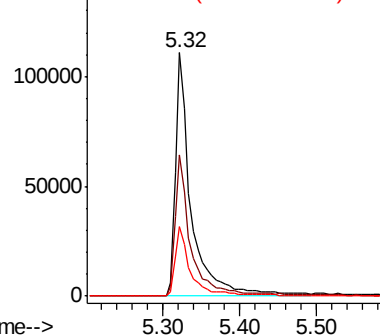
#5

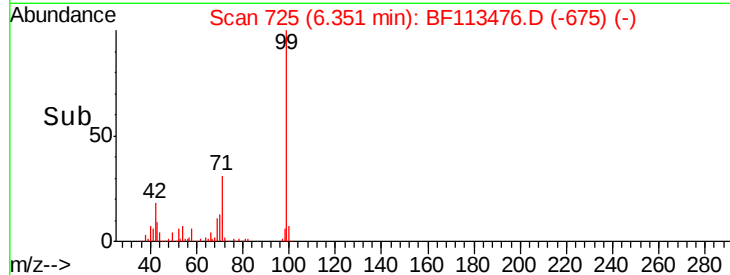
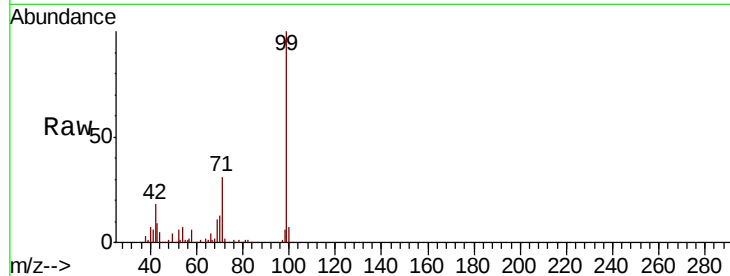
2-Fluorophenol
Concen: 19.240 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion:112 Resp: 159557
Ion Ratio Lower Upper
112 100
64 57.7 49.2 73.8
63 28.3 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: 22.022 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

ClientSampleId :

OK-03-032919

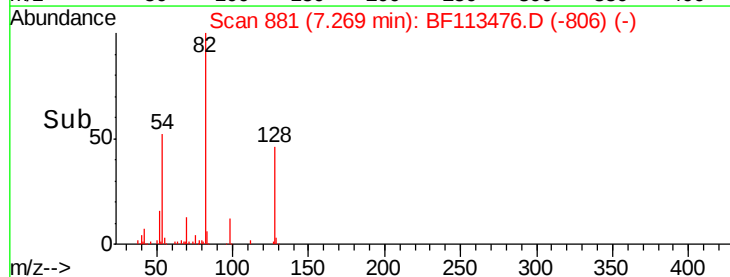
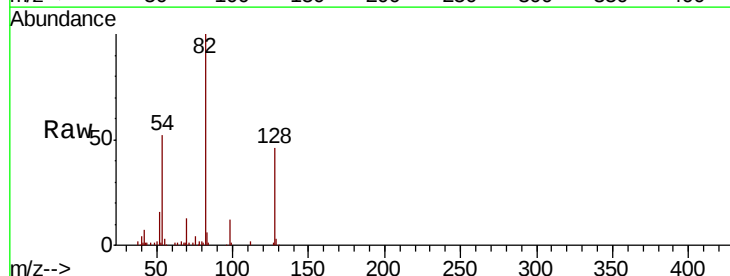
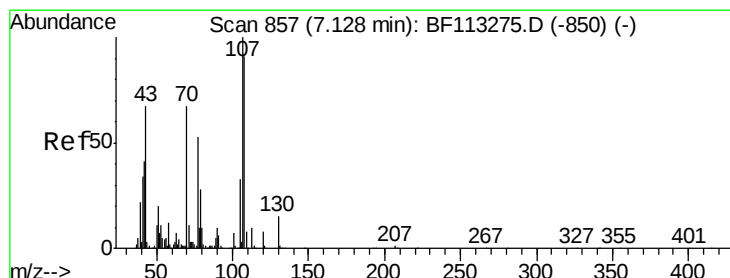
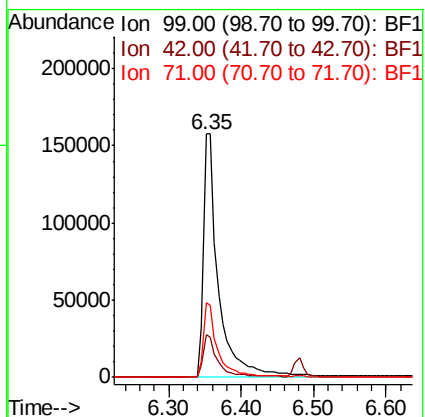
Tgt Ion: 99 Resp: 231039

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

71 30.6 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.389 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Tgt Ion: 70 Resp: 15743

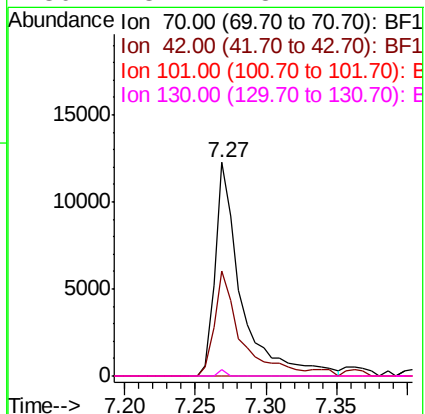
Ion Ratio Lower Upper

70 100

42 49.3 48.4 72.6

101 0.0 7.8 11.8#

130 3.1 18.2 27.4#

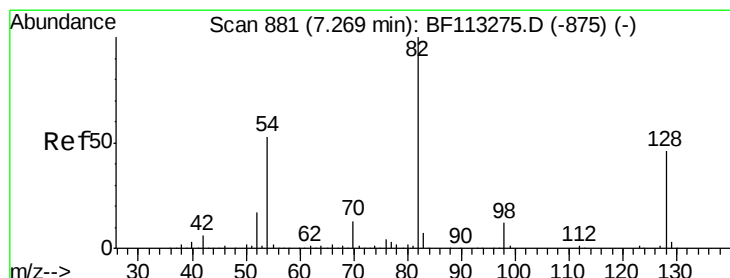
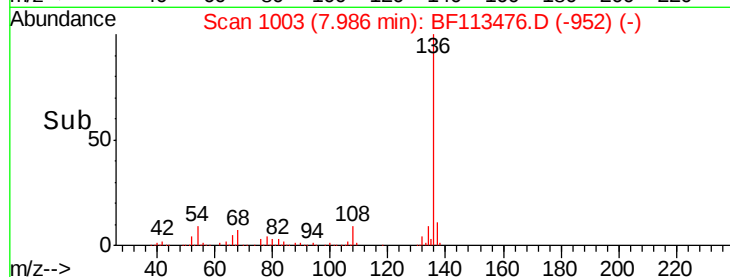
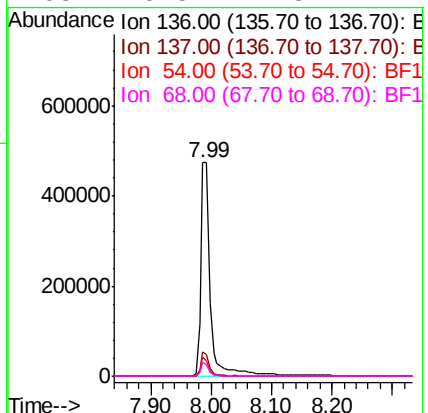
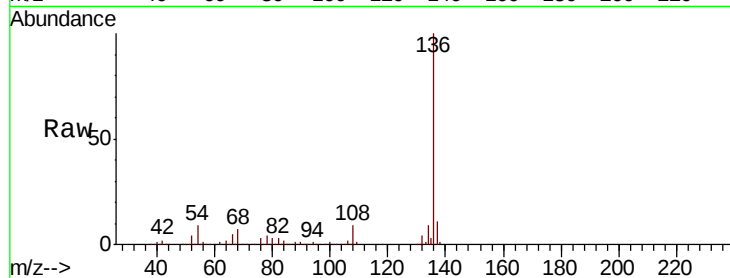




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

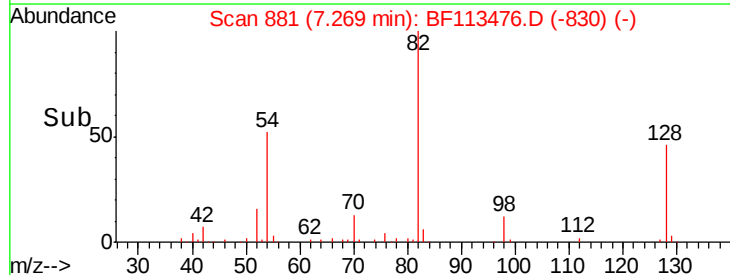
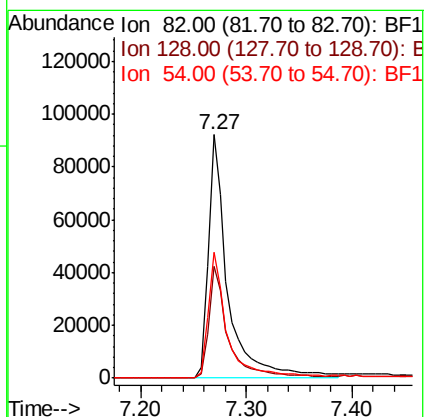
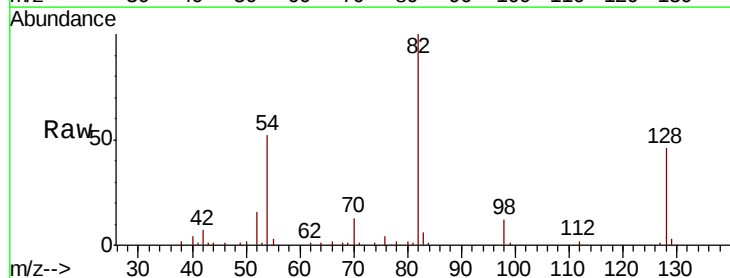
Instrument :
BNA_F
ClientSampleId :
OK-03-032919

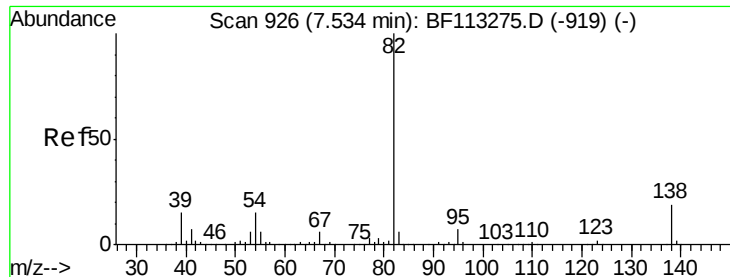
Tgt Ion:	136	Resp:	537589
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.8	7.0	10.6
68	6.5	4.8	7.2



#23
Nitrobenzene-d5
Concen: 13.209 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion:	82	Resp:	119638
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.5	54.7
54	51.9	42.2	63.2





#25

Isophorone

Concen: 6.816 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

ClientSampleId :

OK-03-032919

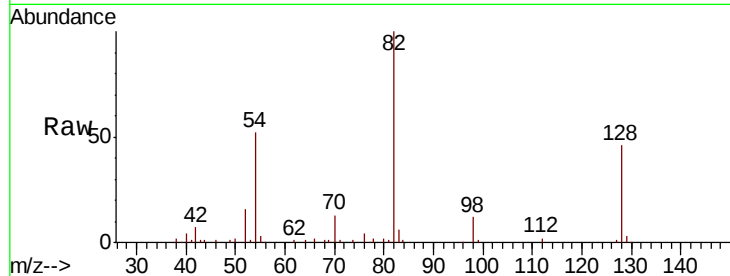
Tgt Ion: 82 Resp: 119636

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

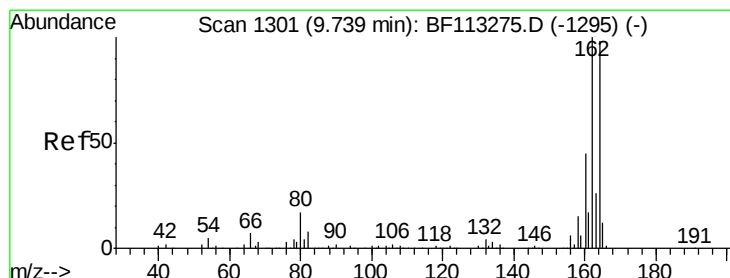
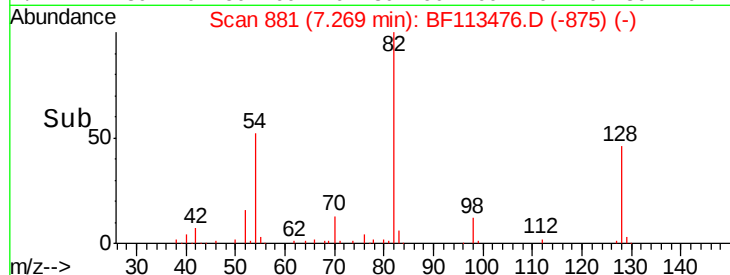
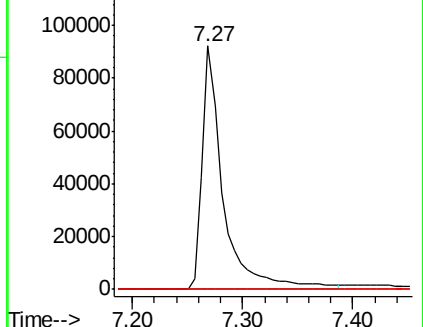
138 0.0 15.2 22.8#



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: BF113476.D

Acq: 1 Apr 2019 19:47

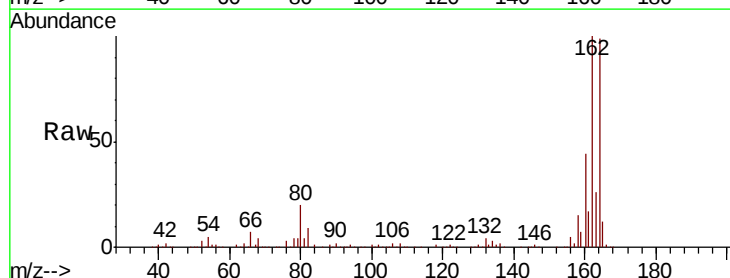
Tgt Ion: 164 Resp: 248695

Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.6

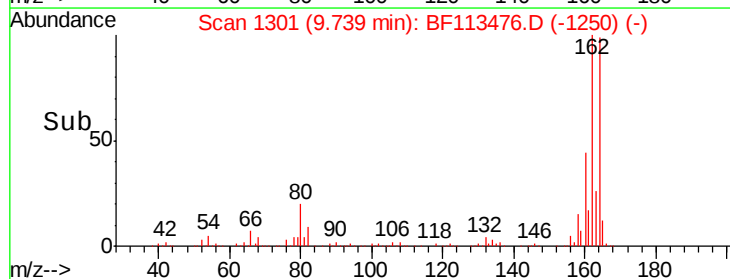
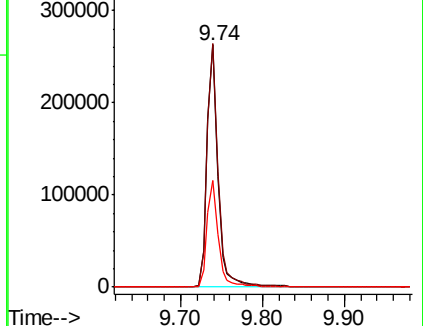
160 44.0 36.4 54.6

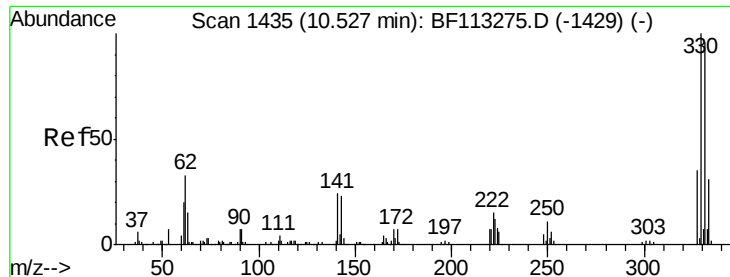


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

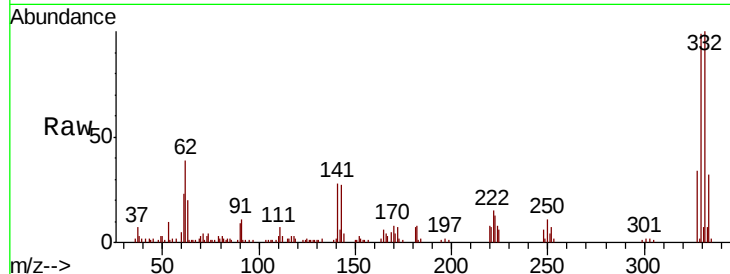




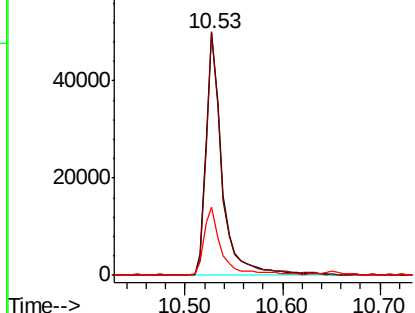
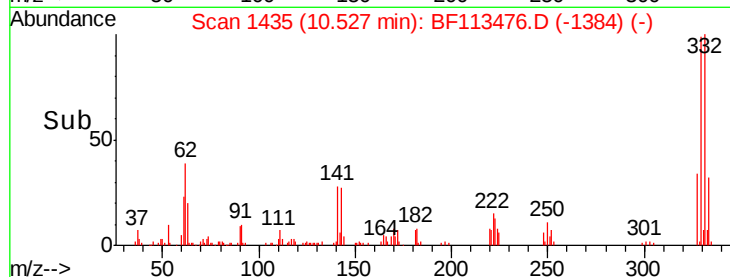
#42
 2,4,6-Tribromophenol
 Concen: 18.872 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Tgt Ion:330 Resp: 57973
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.8 116.6
 141 30.4 22.7 34.1

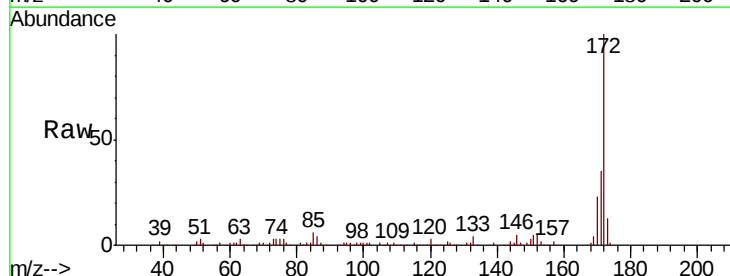


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

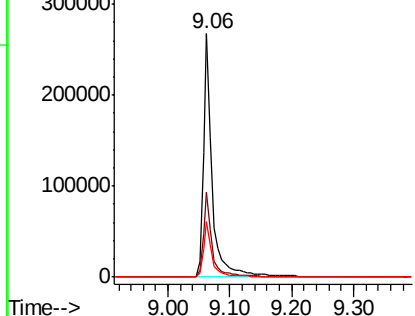
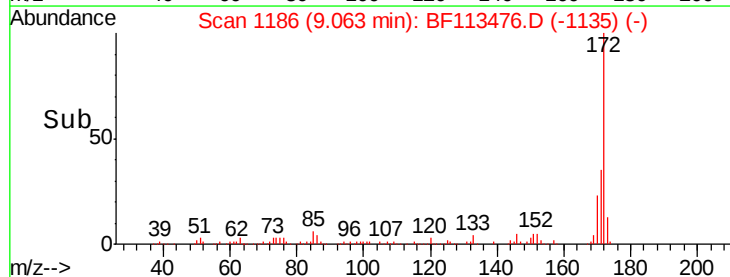


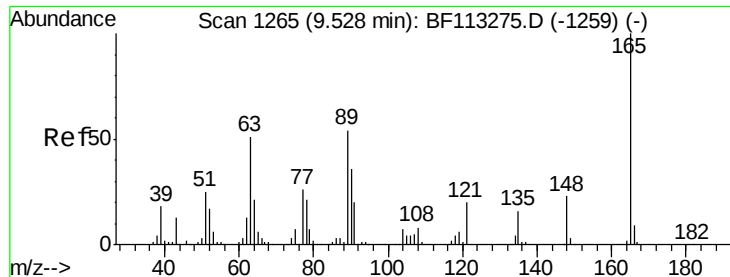
#45
 2-Fluorobiphenyl
 Concen: -0.301 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Tgt Ion:172 Resp: 276066
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 22.8 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

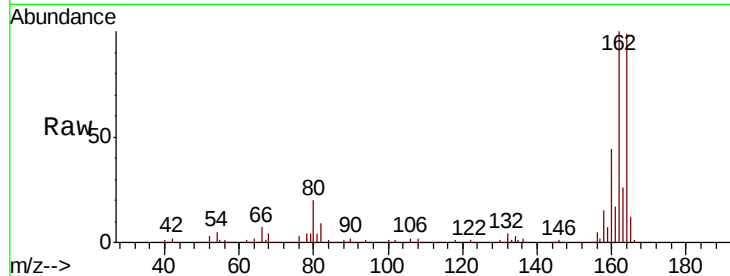




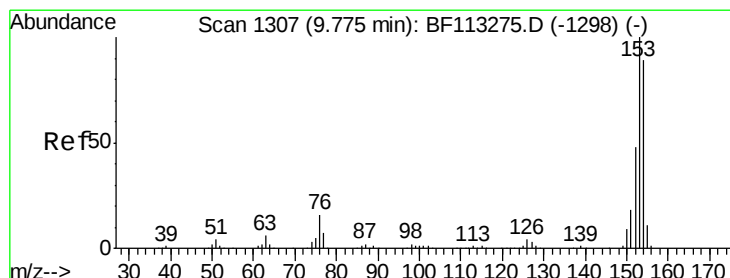
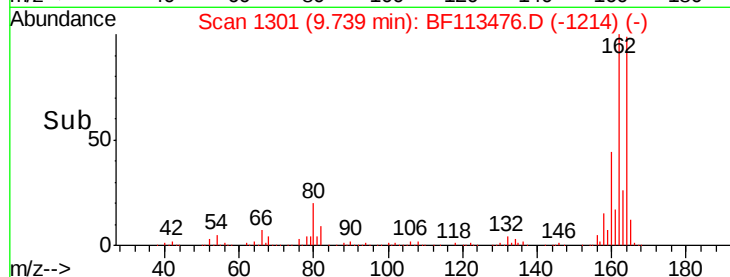
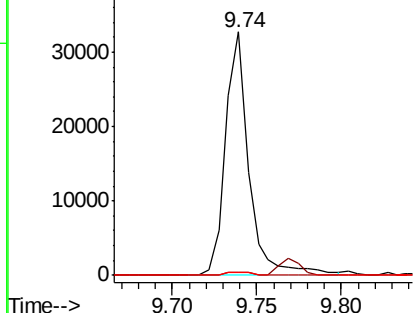
#51
 2,6-Dinitrotoluene
 Concen: 7.593 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Tgt Ion:165 Resp: 31570
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.4 65.0#
 89 1.5 43.1 64.7#

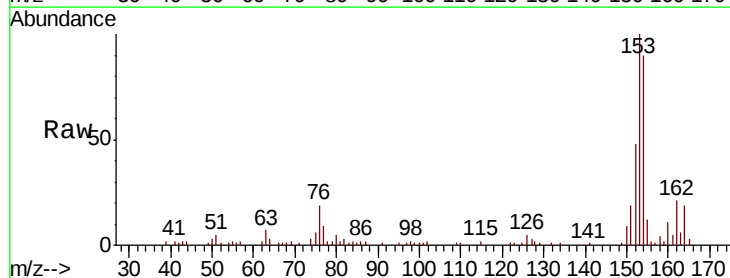


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

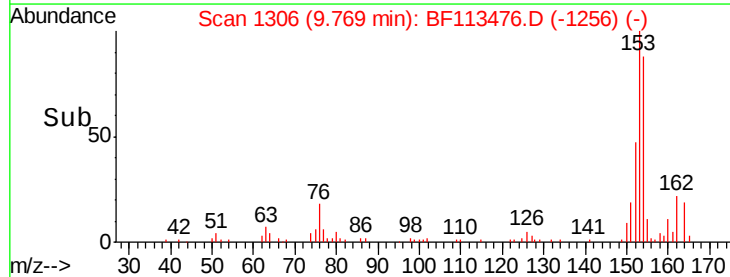
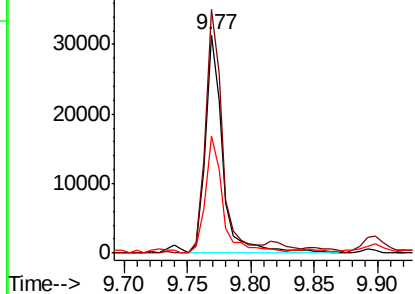


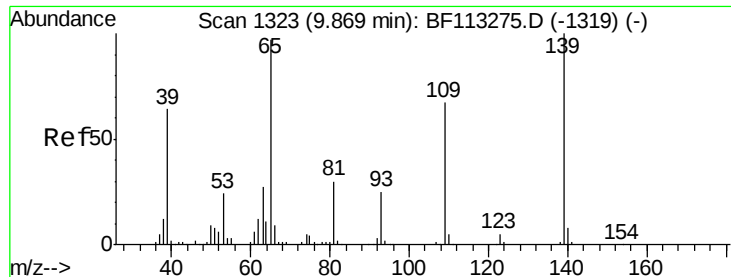
#52
 Acenaphthene
 Concen: 2.050 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Tgt Ion:154 Resp: 29854
 Ion Ratio Lower Upper
 154 100
 153 111.5 89.5 134.3
 152 53.5 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

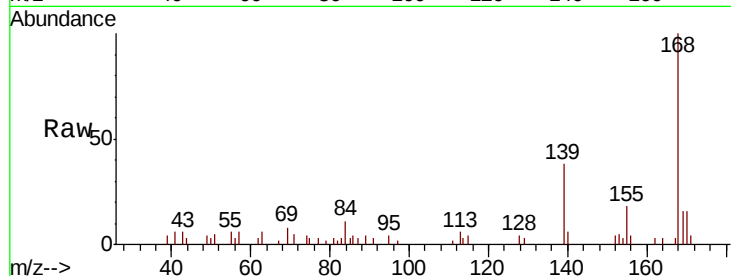




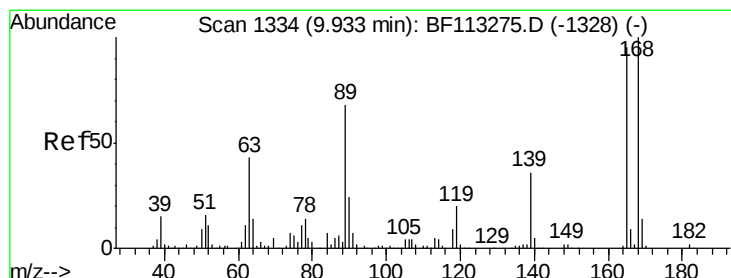
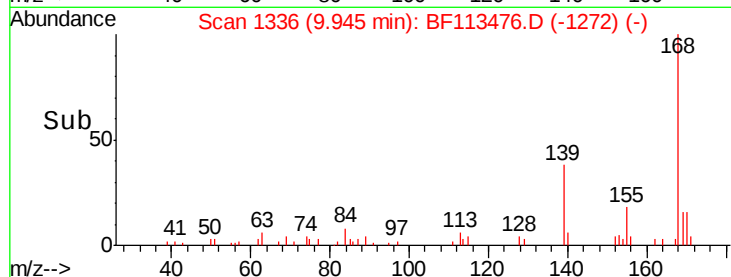
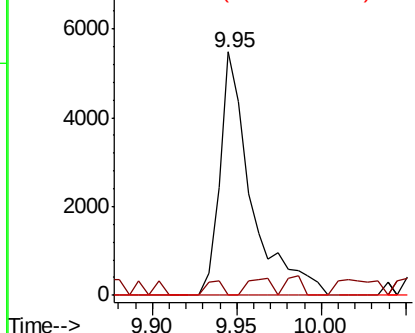
#56
4-Nitrophenol
Concen: 2.128 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.08 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Instrument :
BNA_F
ClientSampleId :
OK-03-032919

Tgt Ion:139 Resp: 7112
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 0.0 77.2 117.2#

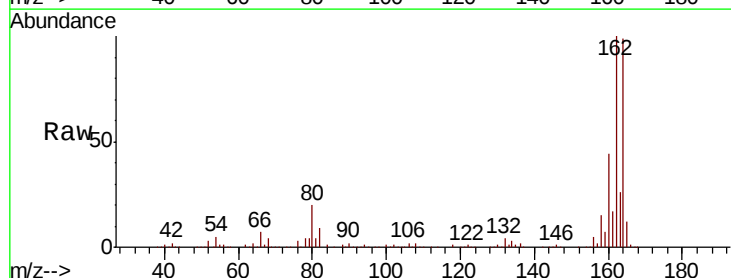


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

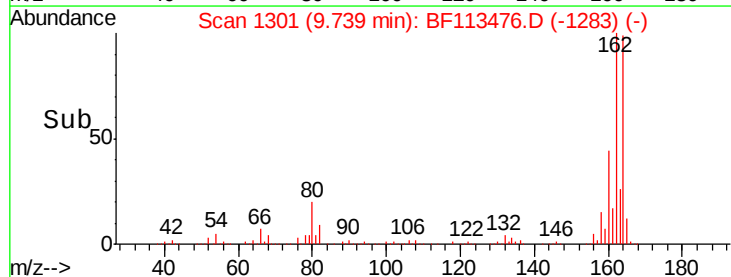
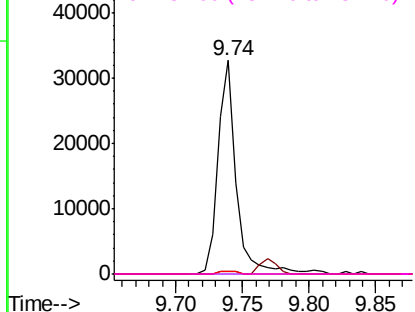


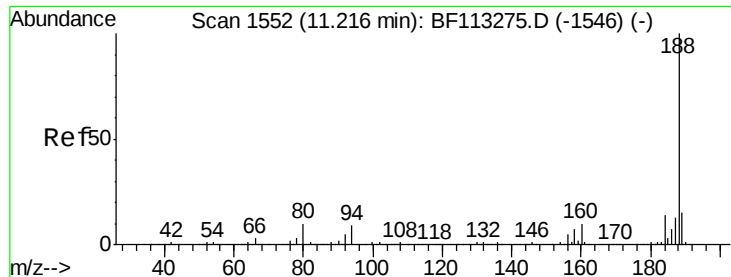
#57
2,4-Dinitrotoluene
Concen: 6.032 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.19 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion:165 Resp: 31894
Ion Ratio Lower Upper
165 100
63 1.4 37.5 56.3#
89 1.5 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): BF1

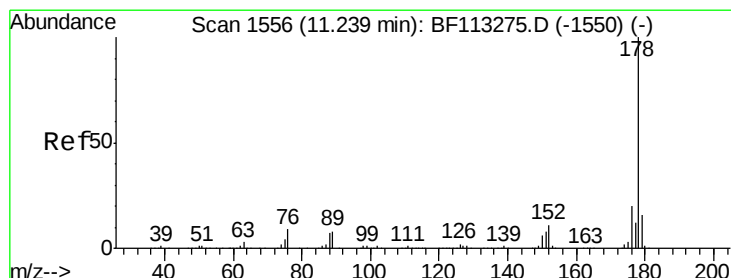
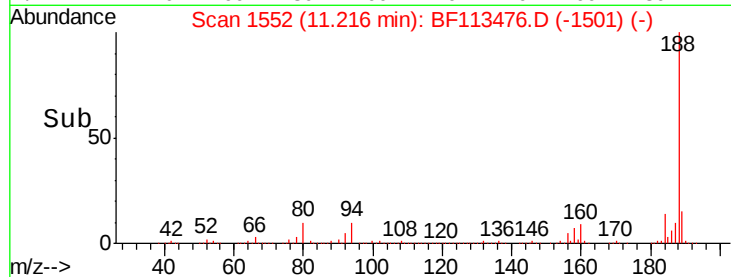
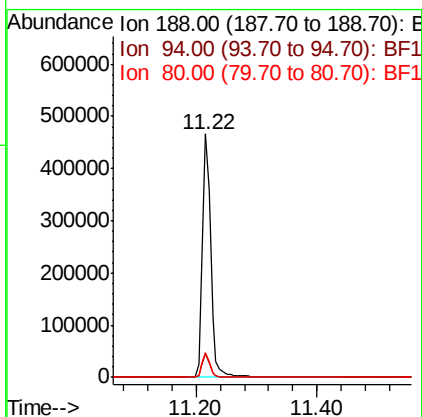
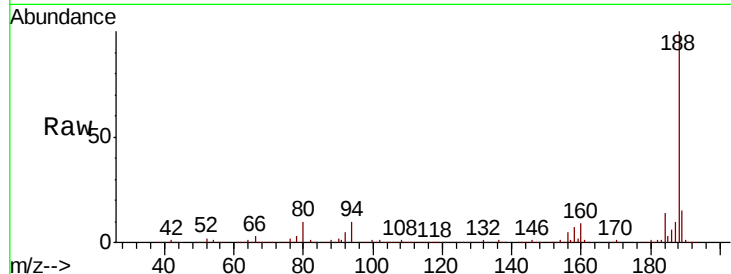




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

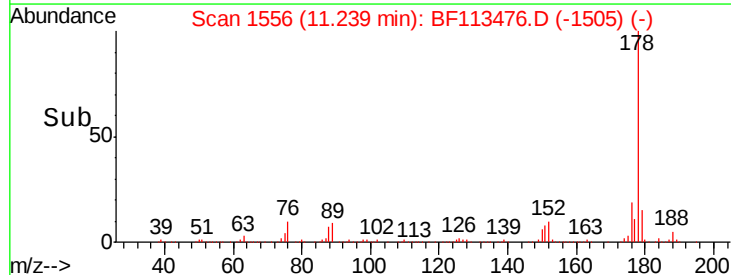
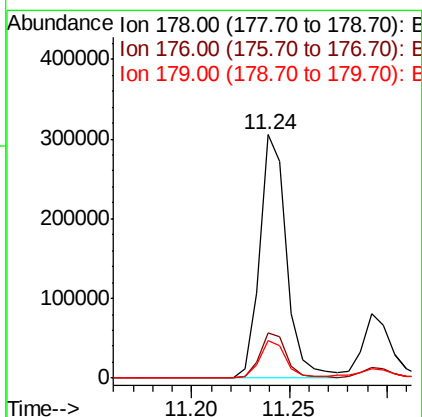
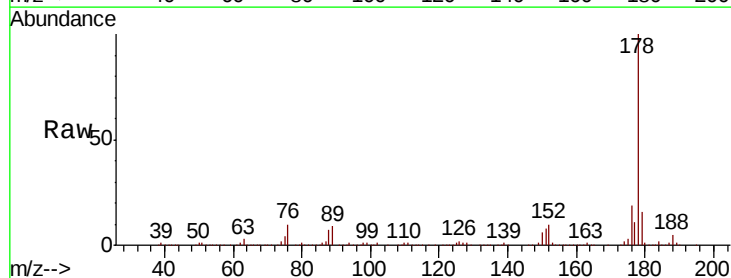
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

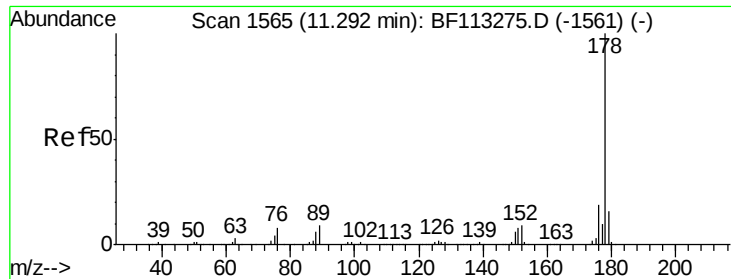
Tgt Ion:188 Resp: 447787
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.0 10.6
 80 10.2 7.7 11.5



#71
 Phenanthrene
 Concen: 13.098 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Tgt Ion:178 Resp: 291266
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.2
 179 15.5 12.7 19.1





#72

Anthracene

Concen: 3.879 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

ClientSampleId :

OK-03-032919

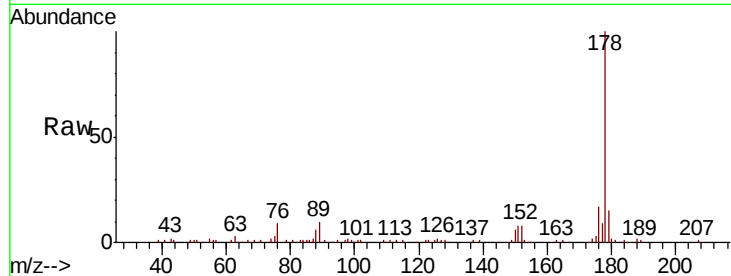
Tgt Ion:178 Resp: 87618

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

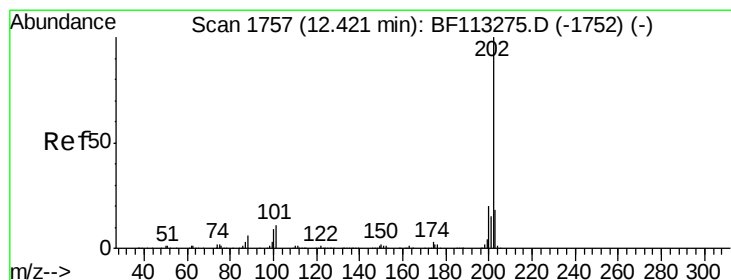
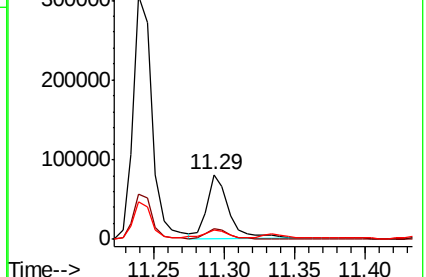
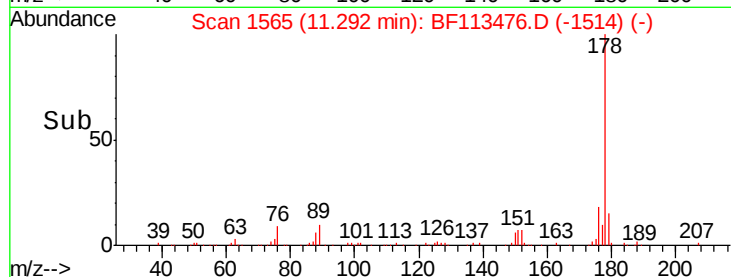
179 15.5 12.8 19.2



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: 20.723 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

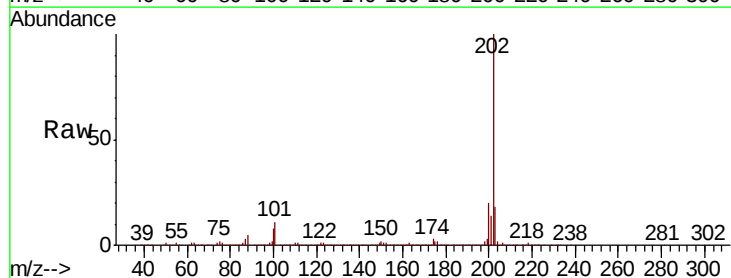
Tgt Ion:202 Resp: 520962

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

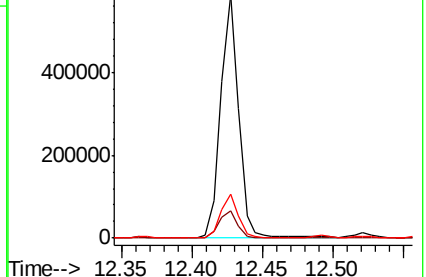
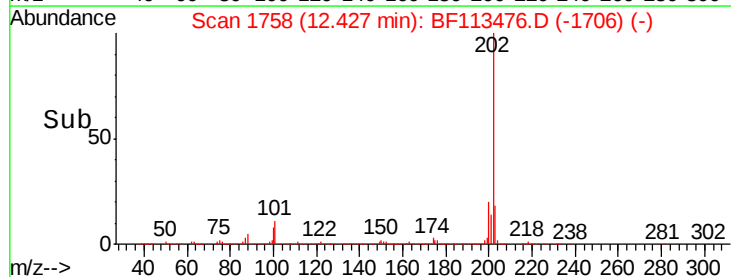
203 18.0 0.0 38.0

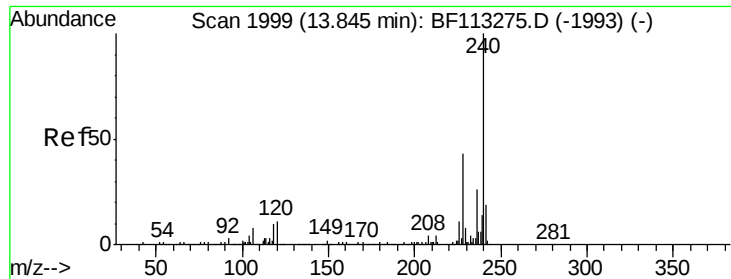


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

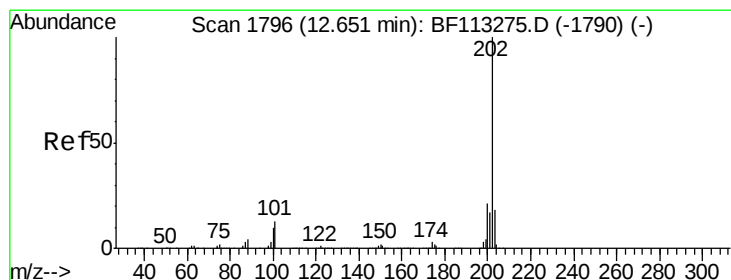
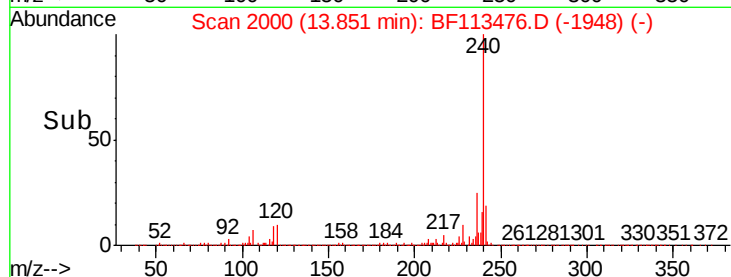
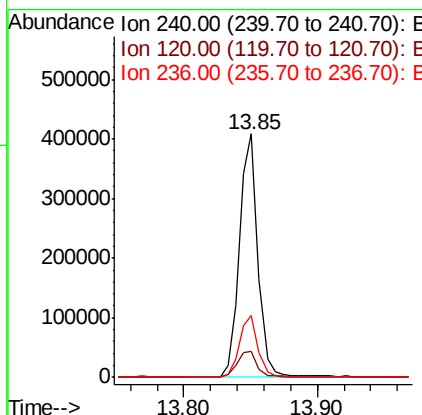
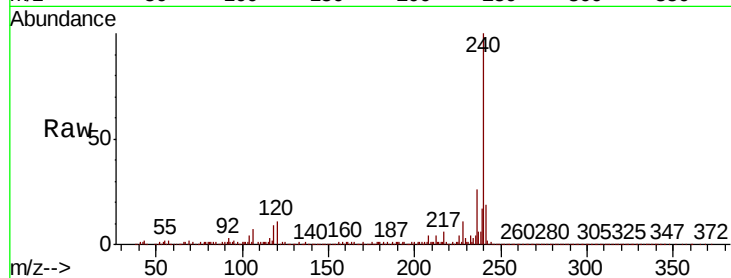




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

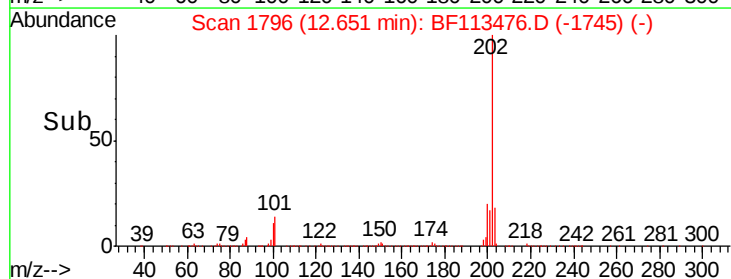
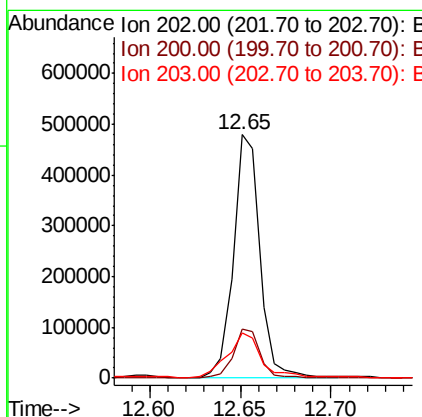
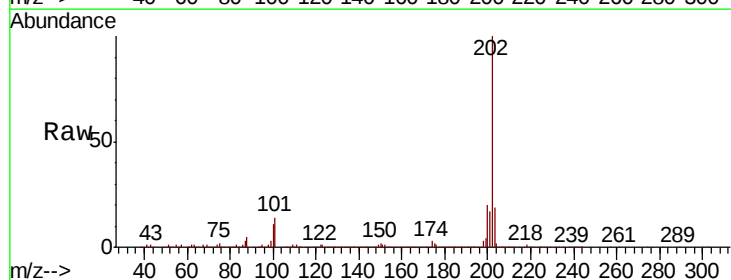
Instrument :
BNA_F
ClientSampleId :
OK-03-032919

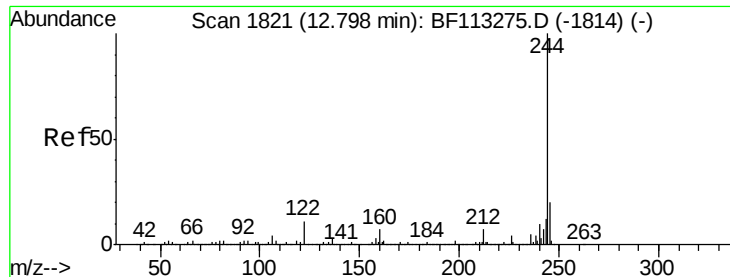
Tgt Ion:240 Resp: 392411
Ion Ratio Lower Upper
240 100
120 10.6 8.8 13.2
236 25.6 20.9 31.3



#78
Pyrene
Concen: 17.804 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion:202 Resp: 484141
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 18.8 14.4 21.6

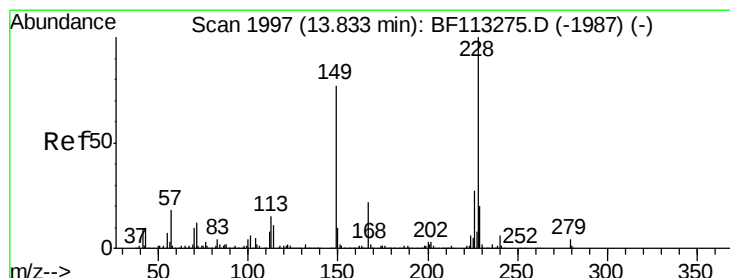
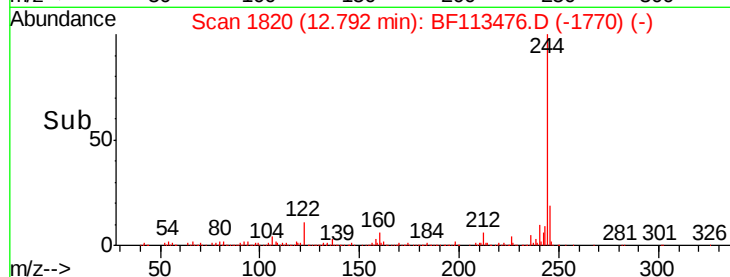
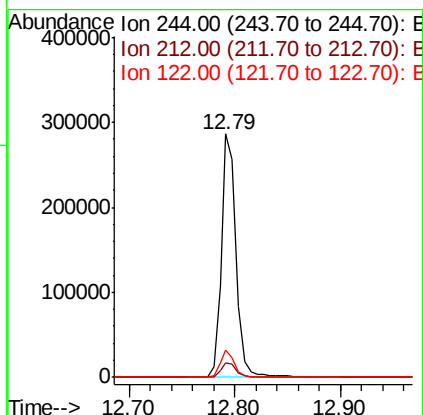
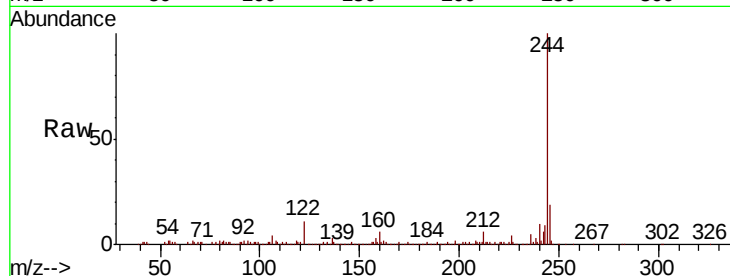




#79
 Terphenyl-d14
 Concen: 15.722 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

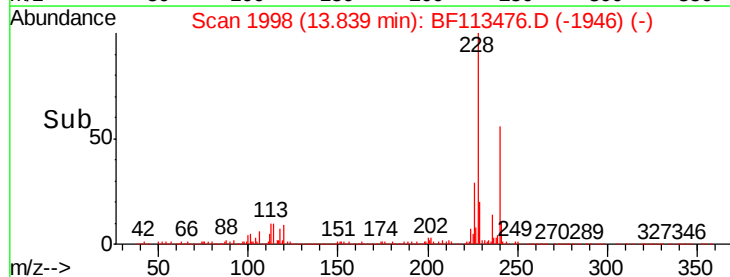
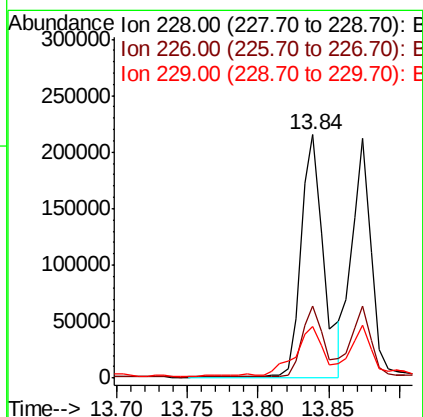
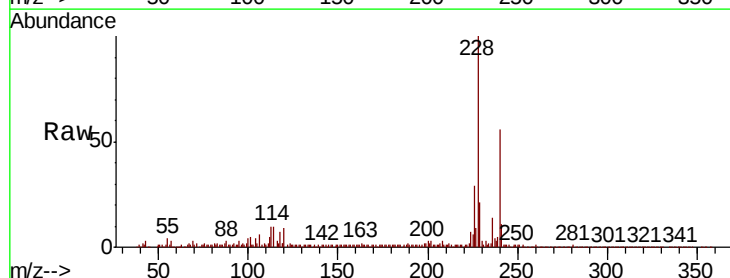
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

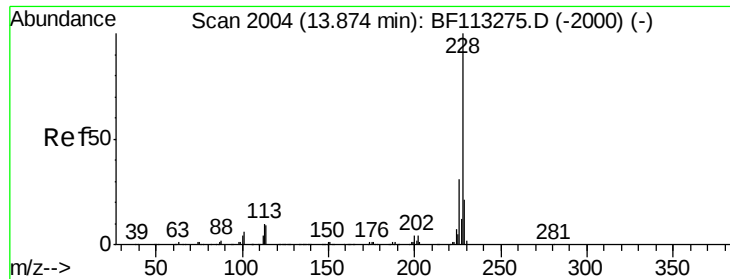
Tgt Ion:244 Resp: 279903
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.5 8.3
 122 11.4 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 10.634 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Tgt Ion:228 Resp: 238871
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.8 32.8
 229 21.0 16.2 24.4





#83

Chrysene

Concen: 8.888 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

Instrument :

BNA_F

ClientSampleId :

OK-03-032919

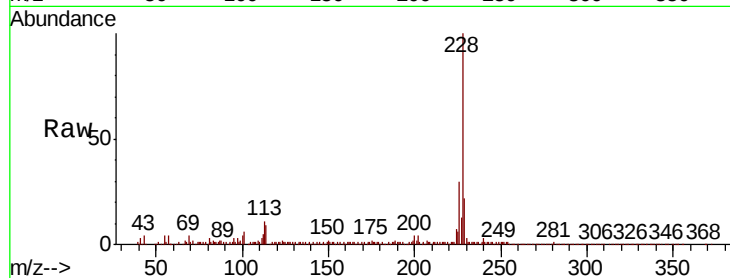
Tgt Ion:228 Resp: 202788

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 22.1 16.3 24.5

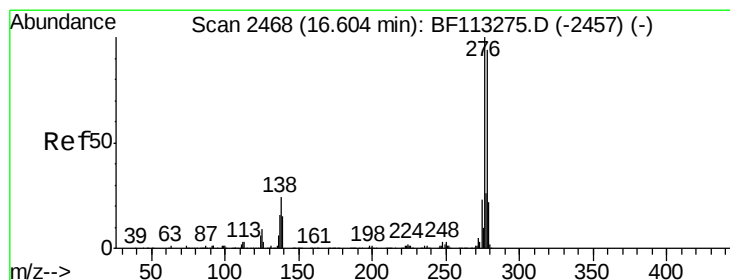
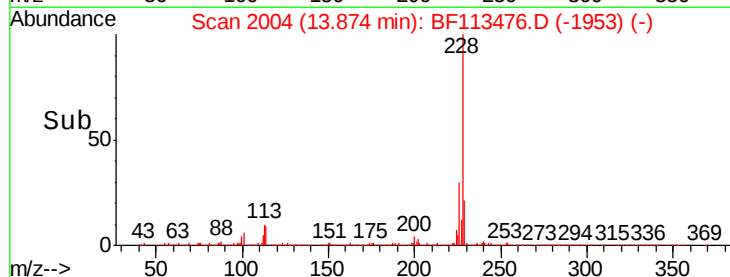
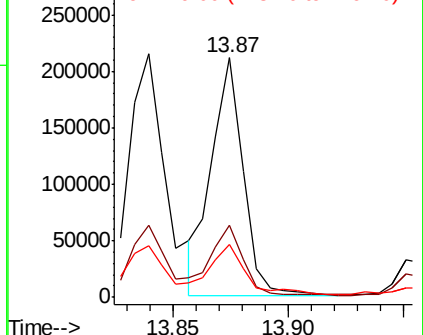


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.960 ng

RT: 16.62 min Scan# 2471

Delta R.T. 0.02 min

Lab File: BF113476.D

Acq: 1 Apr 2019 19:47

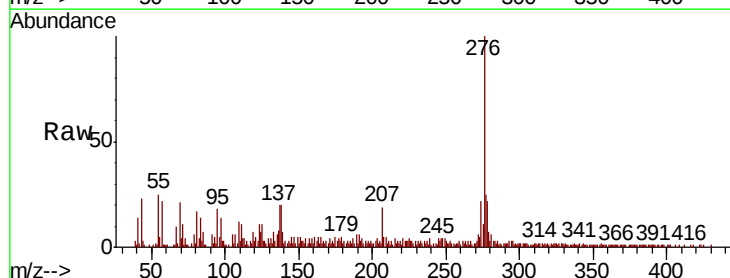
Tgt Ion:276 Resp: 77533

Ion Ratio Lower Upper

276 100

138 21.2 18.1 27.1

277 24.6 20.2 30.4

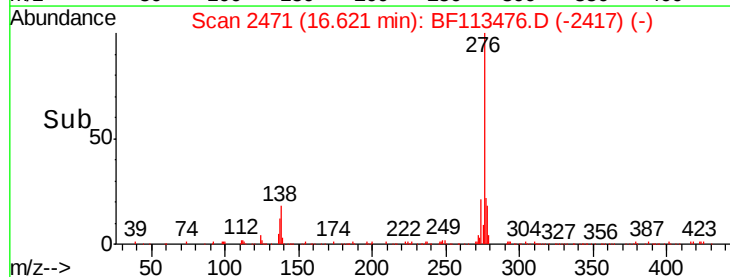
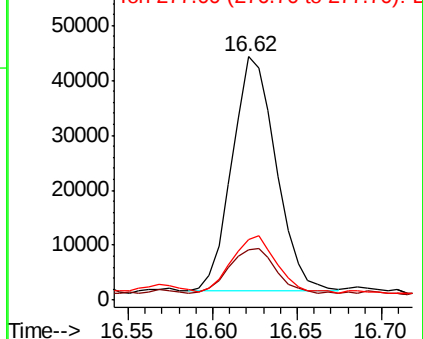


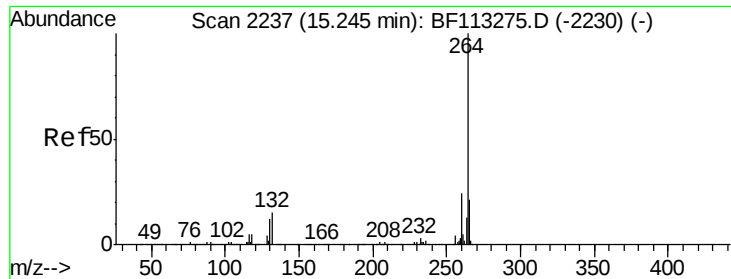
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



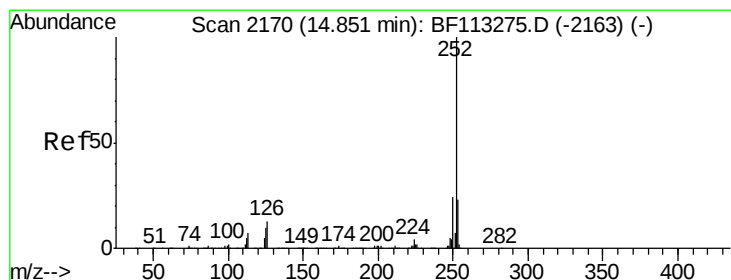
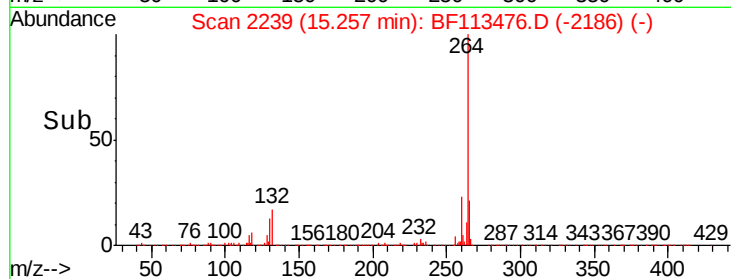
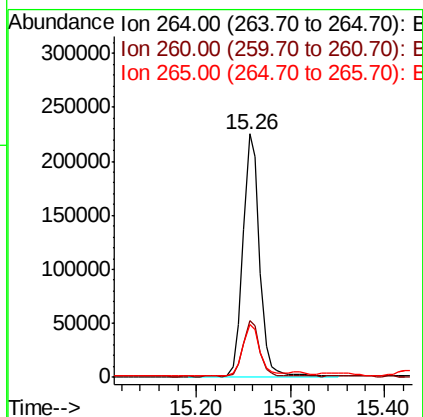
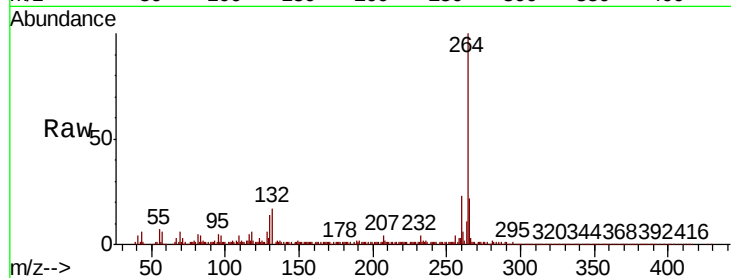


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Instrument :
BNA_F
ClientSampleId :
OK-03-032919

Tgt Ion: 264 Resp: 275709

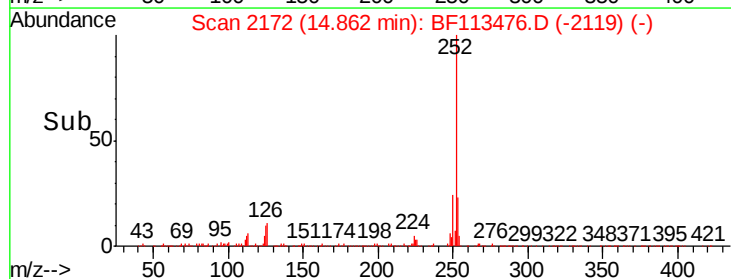
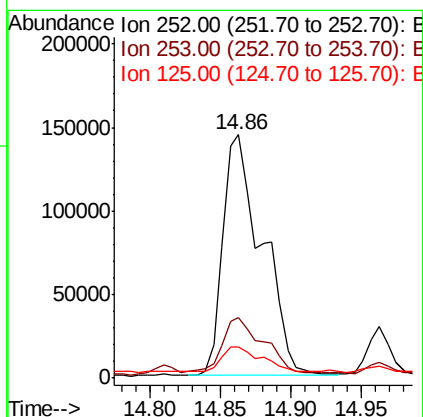
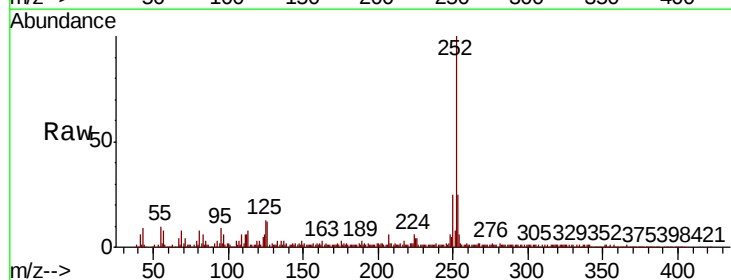
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.8	17.1	25.7

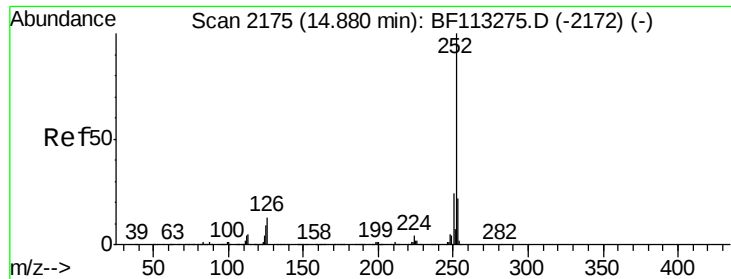


#88
Benzo(b)fluoranthene
Concen: 16.436 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion: 252 Resp: 281501

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	12.7	7.6	11.4

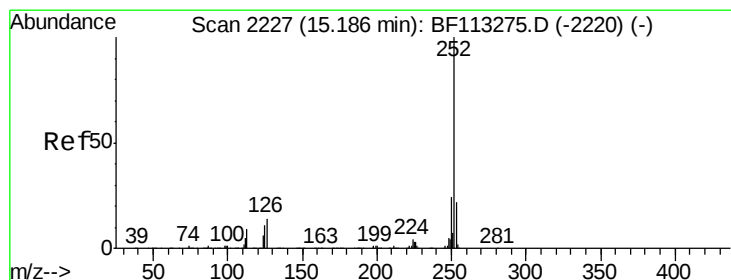
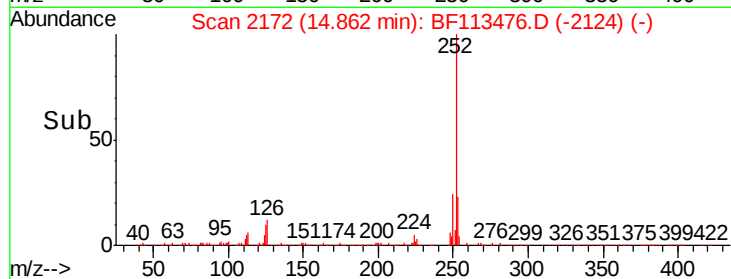
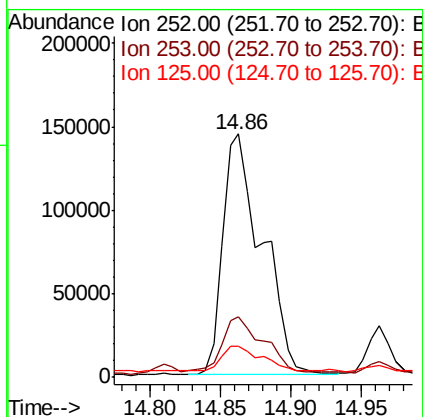
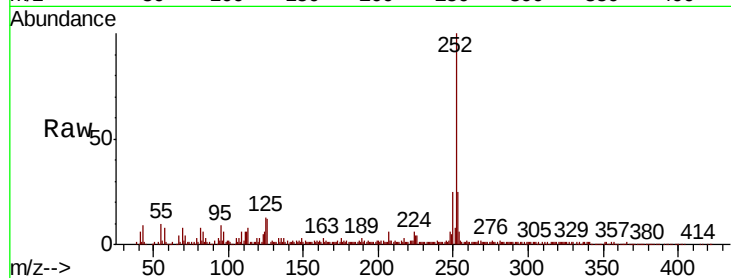




#89
Benzo(k)fluoranthene
Concen: 18.716 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

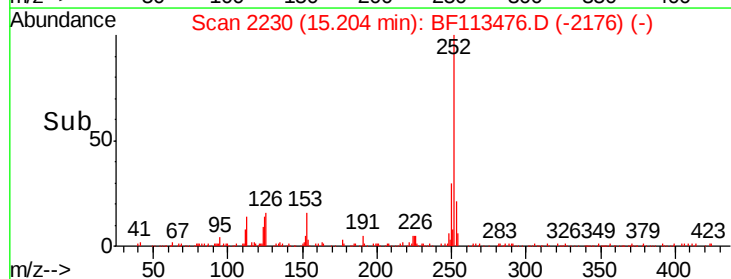
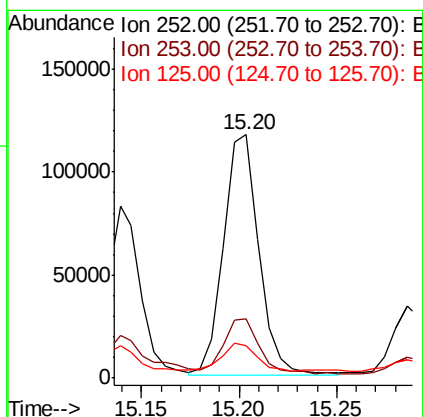
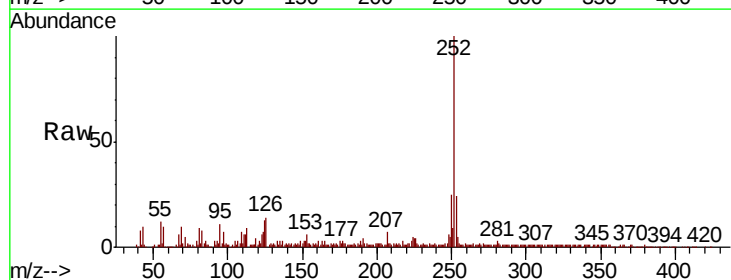
Instrument :
BNA_F
ClientSampleId :
OK-03-032919

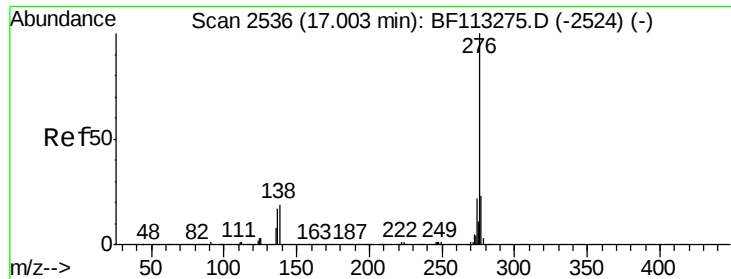
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	12.7	7.3	10.9



#90
Benzo(a)pyrene
Concen: 9.678 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BF113476.D
Acq: 1 Apr 2019 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	13.2	8.8	13.2

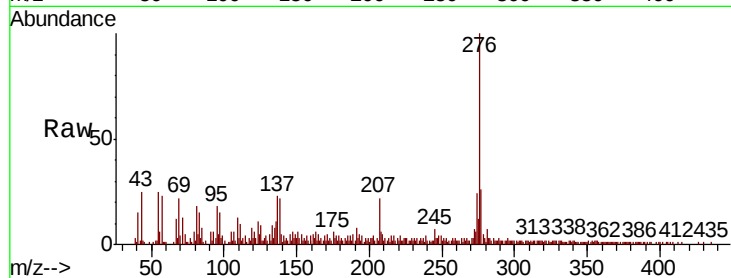




#92
 Benzo(g,h,i)perylene
 Concen: 6.292 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.03 min
 Lab File: BF113476.D
 Acq: 1 Apr 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

Tgt Ion: 276 Resp: 83287
 Ion Ratio Lower Upper
 276 100
 277 26.5 18.8 28.2
 138 22.3 15.6 23.4



Abundance

Ion 276.00 (275.70 to 276.70): E

