

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113473.D
 Acq On : 1 Apr 2019 18:22
 Operator : JU/SJ
 Sample : K2185-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-4-OW(0-10)

Quant Time: Apr 02 01:08:59 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	143559	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	535904	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	242414	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	430444	20.00	ng	0.00
76) Chrysene-d12	13.84	240	383611	20.00	ng	0.00
87) Perylene-d12	15.26	264	325186	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	840015	95.68	ng	0.00
7) Phenol-d6	6.36	99	1086310	97.81	ng	0.00
23) Nitrobenzene-d5	7.27	82	669260	74.12	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	275117	91.88	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1008545	60.03	ng	0.00
79) Terphenyl-d14	12.79	244	902259	51.84	ng	0.00

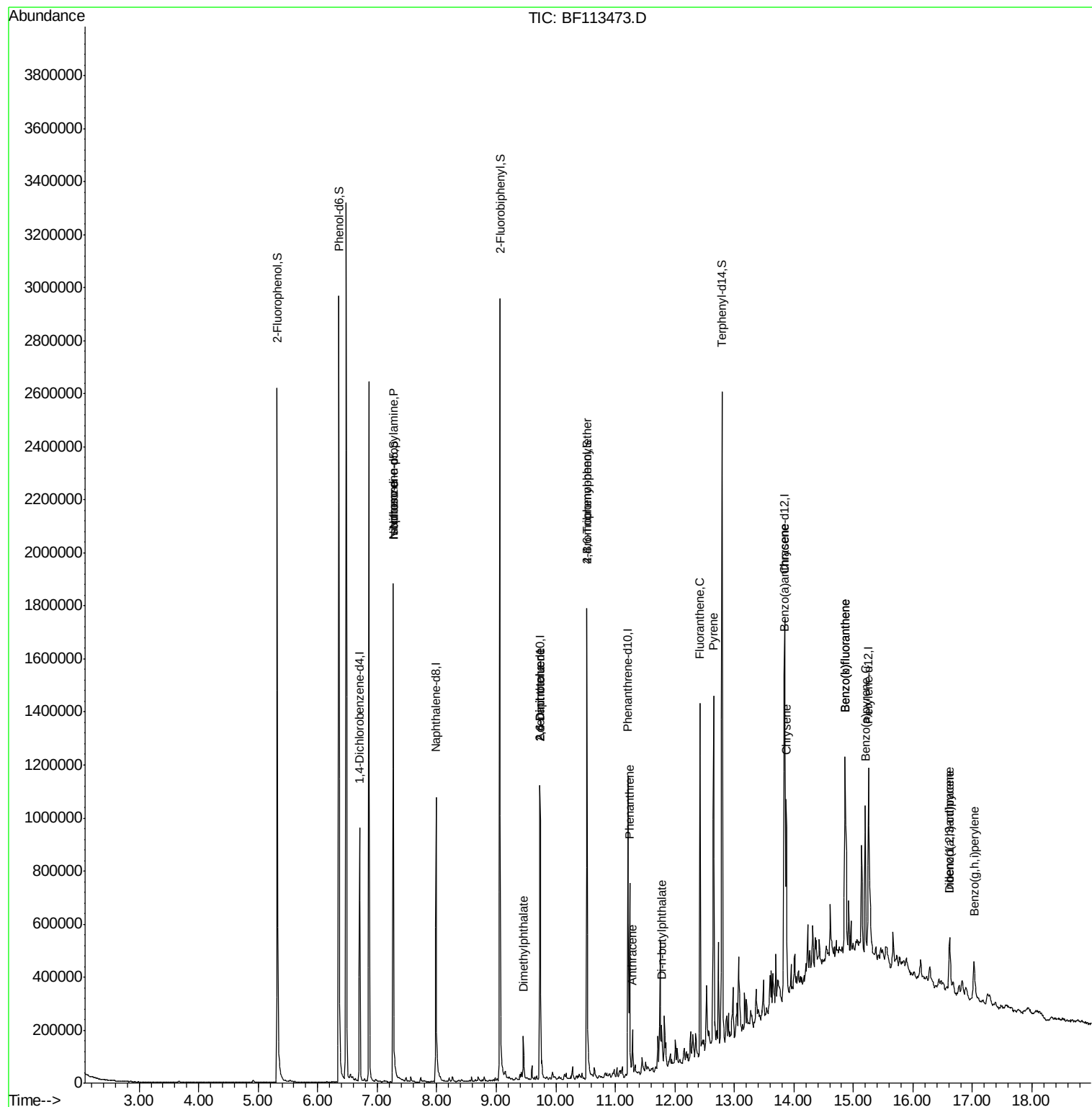
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	84128	12.059	ng	# 76
25) Isophorone	7.27	82	669258	38.248	ng	# 64
50) Dimethylphthalate	9.46	163	74856	4.167	ng	99
51) 2,6-Dinitrotoluene	9.73	165	31413	7.751	ng	# 27
57) 2,4-Dinitrotoluene	9.73	165	31530	6.118	ng	# 24
67) 4-Bromophenyl-phenylether	10.52	248	15763	3.360	ng	# 1
71) Phenanthrene	11.24	178	270503	12.655	ng	99
72) Anthracene	11.29	178	76205	3.510	ng	98
74) Di-n-butylphthalate	11.77	149	62528	2.603	ng	99
75) Fluoranthene	12.42	202	558733	23.121	ng	99
78) Pyrene	12.65	202	534962	20.124	ng	99
81) Benzo(a)anthracene	13.83	228	330903	15.069	ng	99
83) Chrysene	13.87	228	314859	14.117	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	131710	6.881	ng	97
88) Benzo(b)fluoranthene	14.86	252	542683	26.865	ng	97
89) Benzo(k)fluoranthene	14.86	252	542683	30.591	ng	# 96
90) Benzo(a)pyrene	15.20	252	263207	14.697	ng	99
91) Dibenzo(a,h)anthracene	16.62	278	39168	2.529	ng	# 77
92) Benzo(g,h,i)perylene	17.03	276	129291	8.281	ng	96

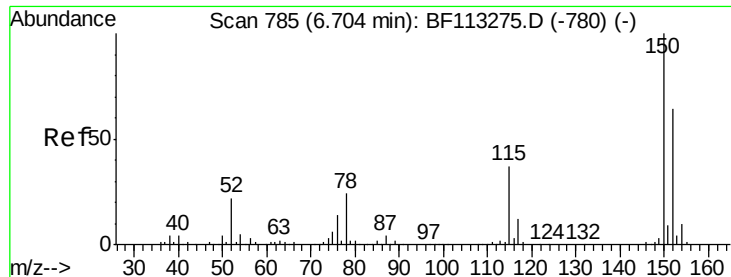
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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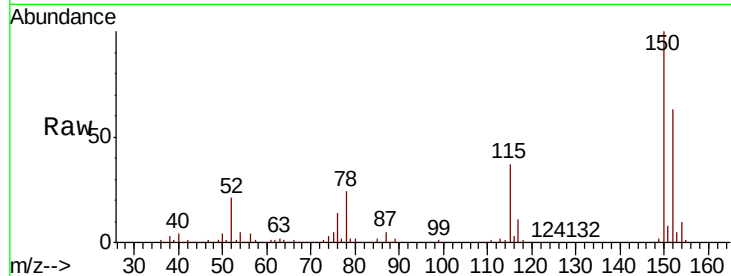


#1

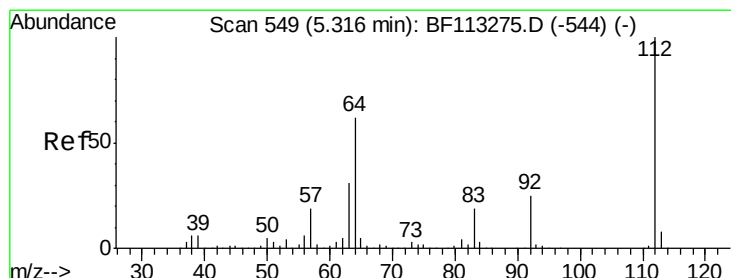
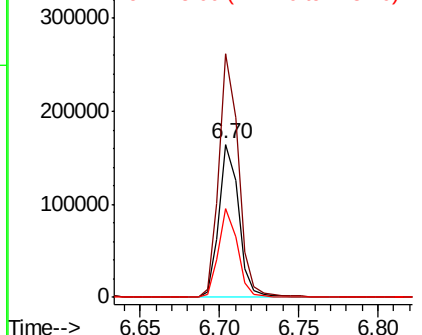
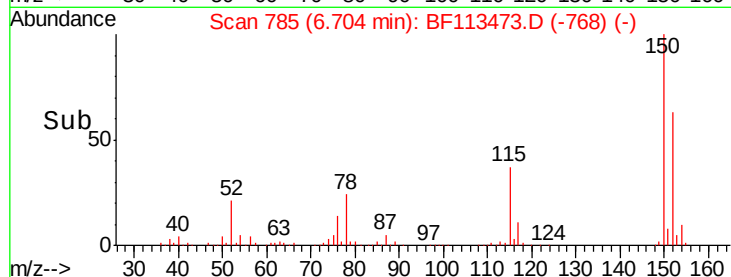
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

Instrument :
BNA_F
ClientSampleId :
P-4-OW(0-10)

Tgt Ion:152 Resp: 143559
Ion Ratio Lower Upper
152 100
150 158.8 124.7 187.1
115 58.2 46.0 69.0



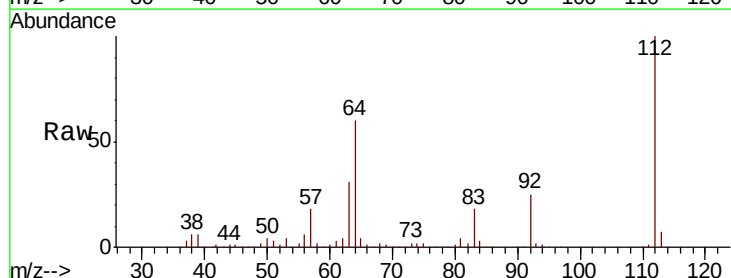
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



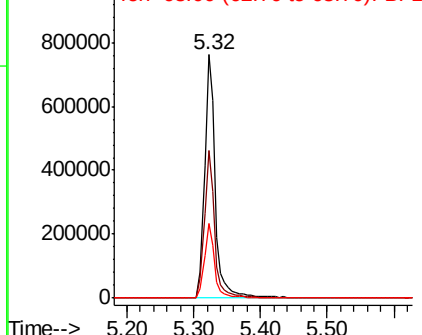
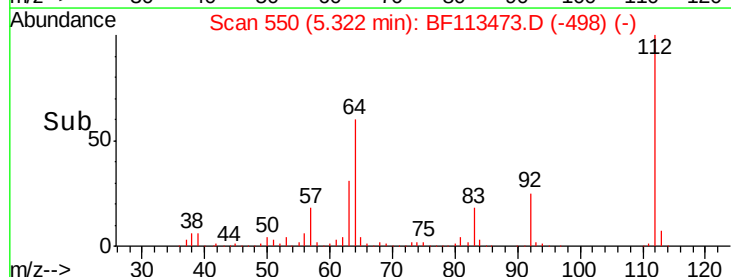
#5

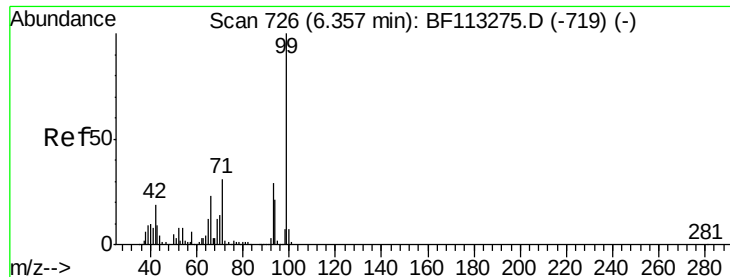
2-Fluorophenol
Concen: 95.677 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

Tgt Ion:112 Resp: 840015
Ion Ratio Lower Upper
112 100
64 60.5 49.2 73.8
63 30.6 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: 97.806 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Instrument :

BNA_F

ClientSampleId :

P-4-OW(0-10)

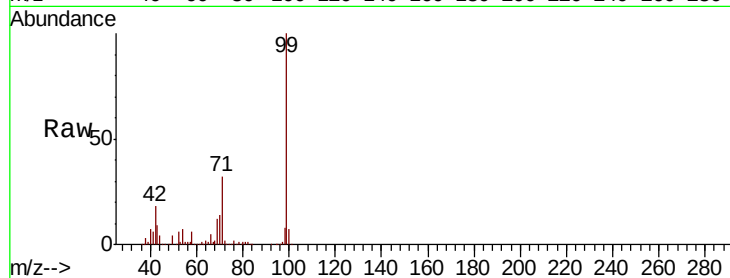
Tgt Ion: 99 Resp: 1086310

Ion Ratio Lower Upper

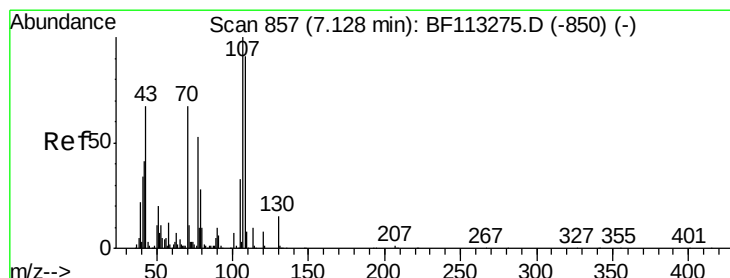
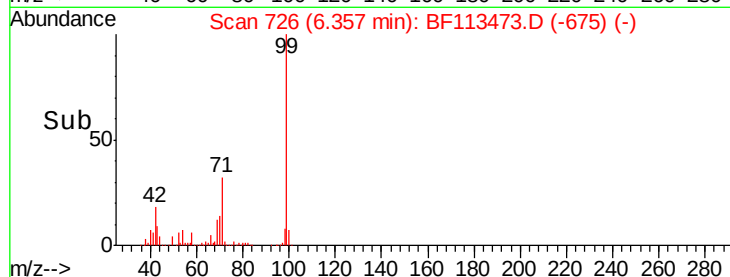
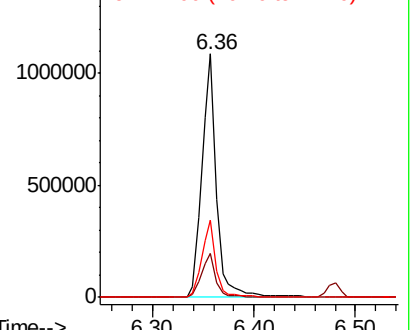
99 100

42 18.1 14.8 22.2

71 31.8 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: 12.059 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Tgt Ion: 70 Resp: 84128

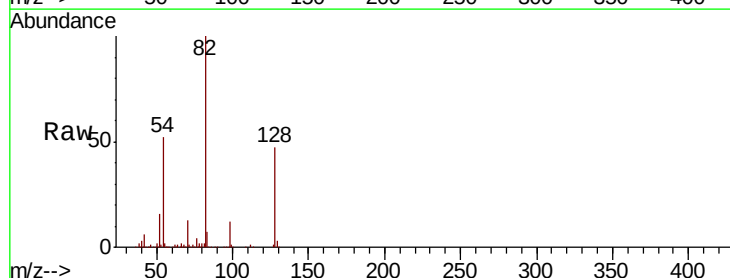
Ion Ratio Lower Upper

70 100

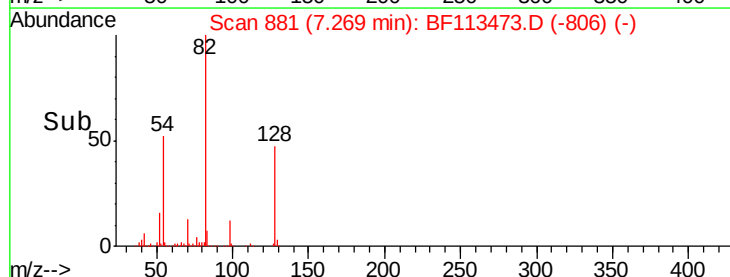
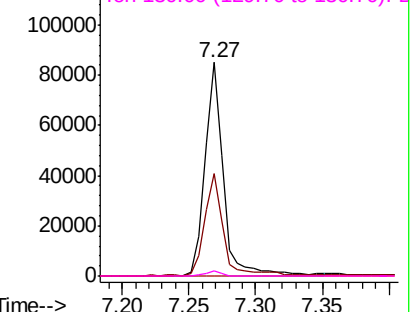
42 48.1 48.4 72.6#

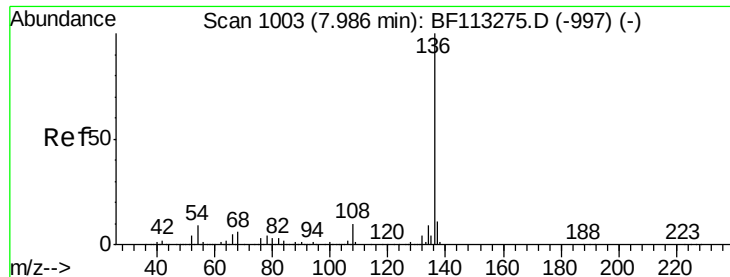
101 0.0 7.8 11.8#

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): E
Ion 130.00 (129.70 to 130.70): E

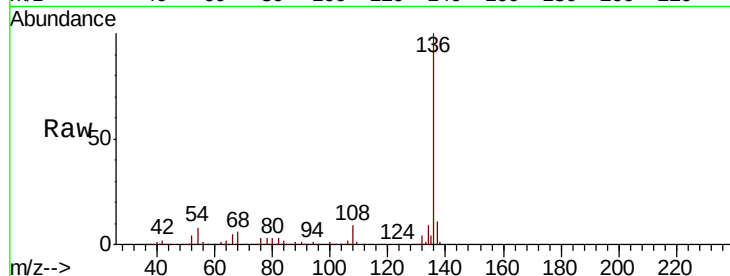




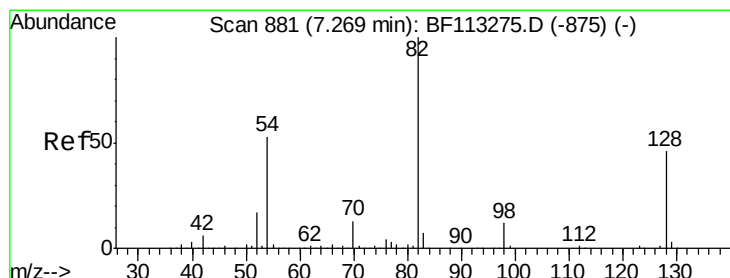
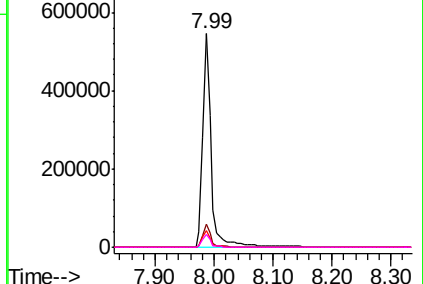
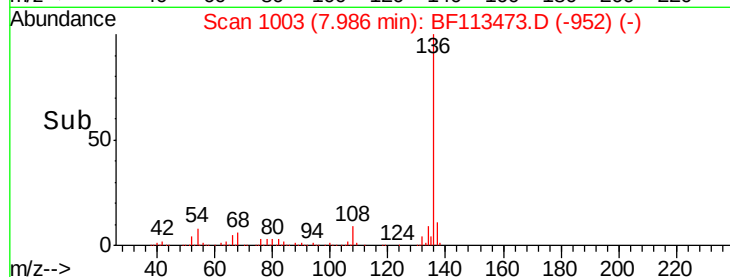
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

Instrument :
BNA_F
ClientSampleId :
P-4-OW(0-10)

Tgt Ion:	136	Resp:	535904
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.9	7.0	10.6
68	5.9	4.8	7.2

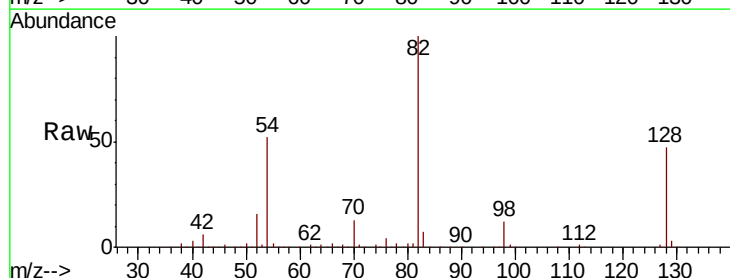


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

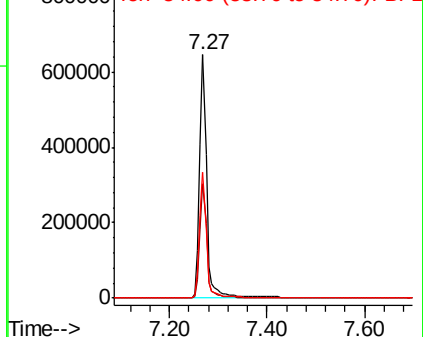
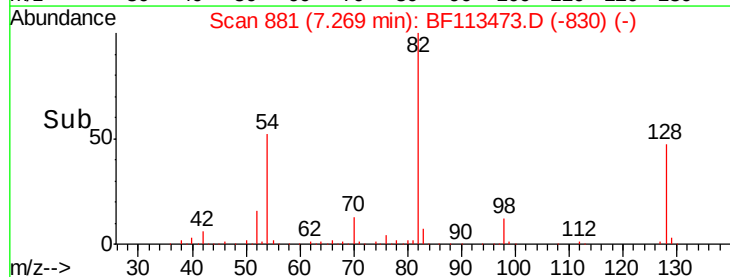


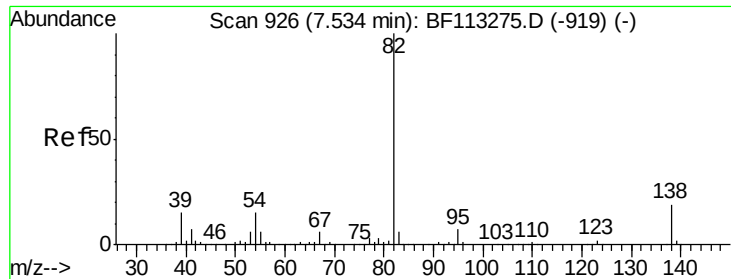
#23
Nitrobenzene-d5
Concen: 74.124 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

Tgt Ion:	82	Resp:	669260
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	51.9	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

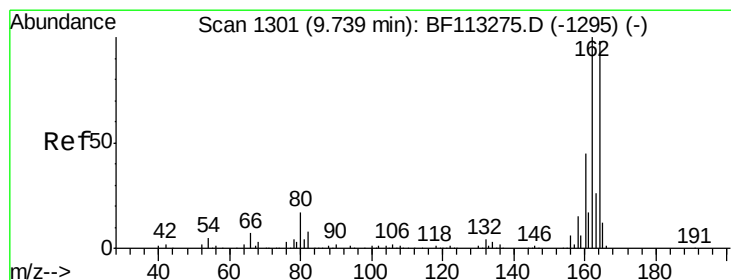
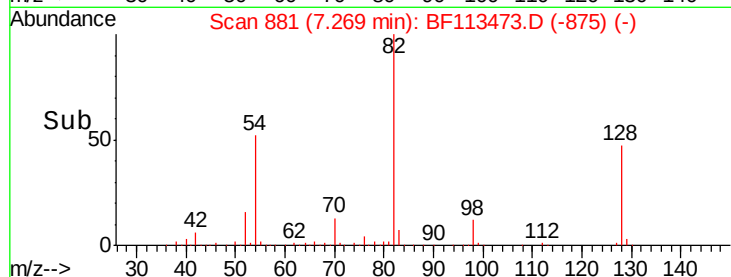
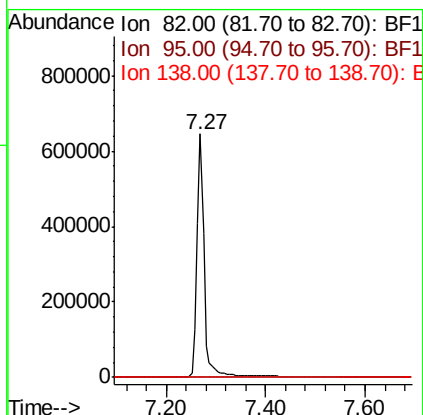
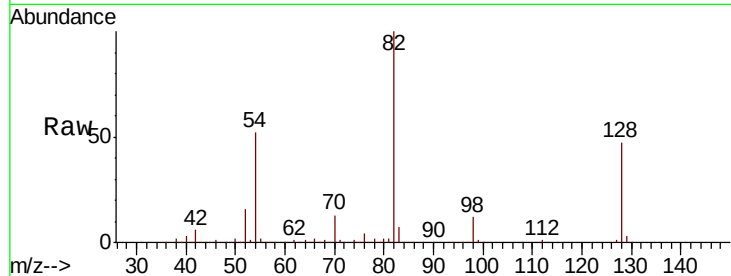




#25
Isophorone
Concen: 38.248 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

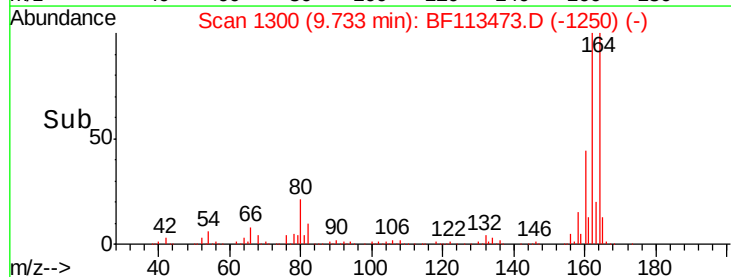
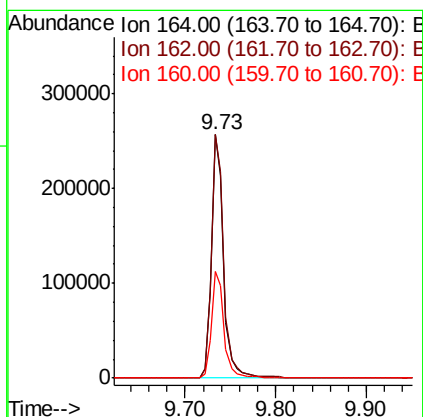
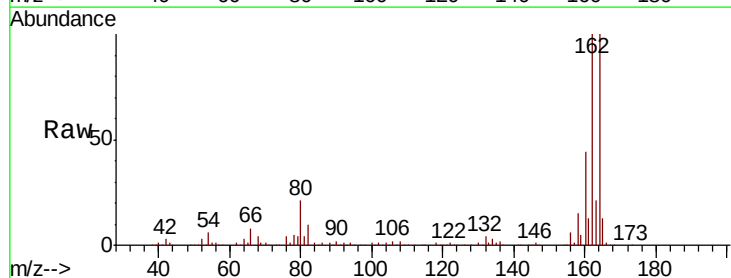
Instrument :
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P-4-OW(0-10)

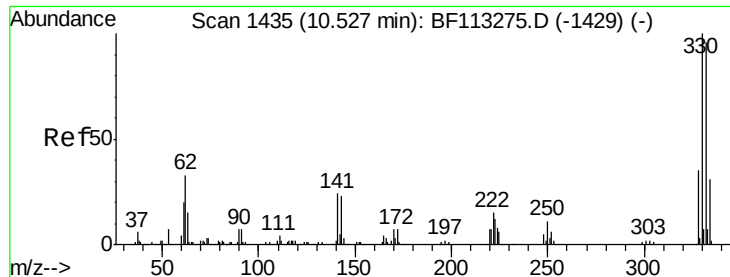
Tgt Ion: 82 Resp: 669258
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

Tgt Ion: 164 Resp: 242414
Ion Ratio Lower Upper
164 100
162 100.2 81.8 122.6
160 44.1 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 91.878 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Instrument :

BNA_F

ClientSampleId :

P-4-OW(0-10)

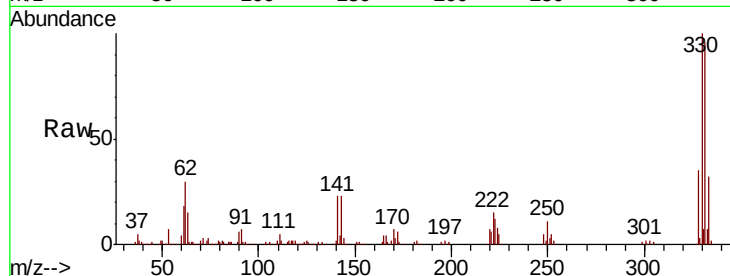
Tgt Ion:330 Resp: 275117

Ion Ratio Lower Upper

330 100

332 95.8 77.8 116.6

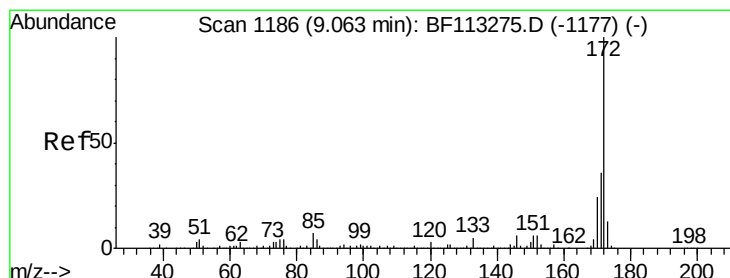
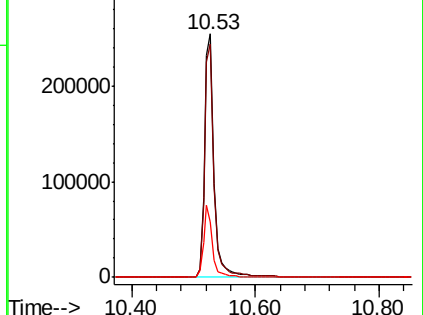
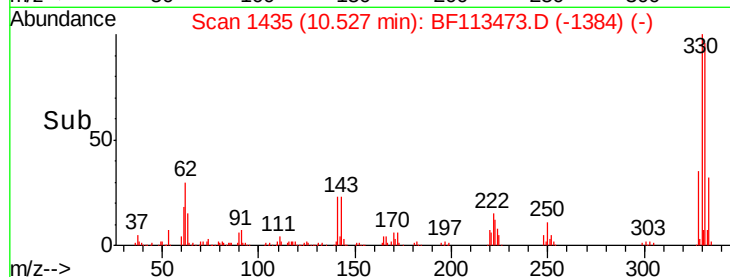
141 28.5 22.7 34.1



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: 60.027 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

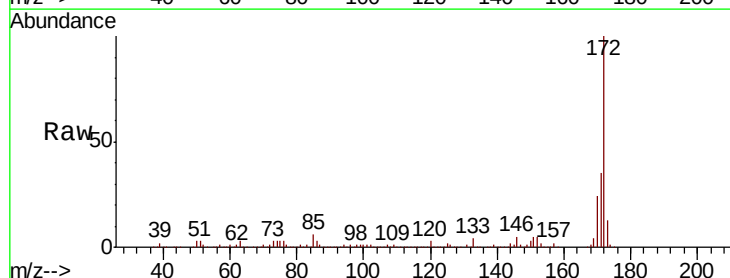
Tgt Ion:172 Resp: 1008545

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.6

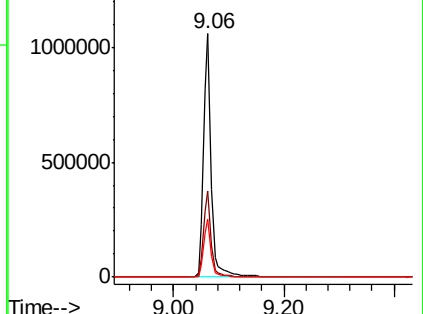
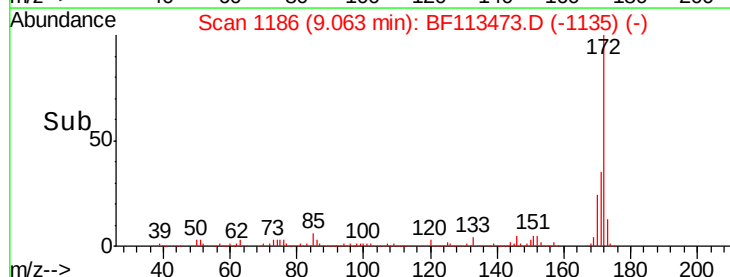
170 23.9 19.5 29.3

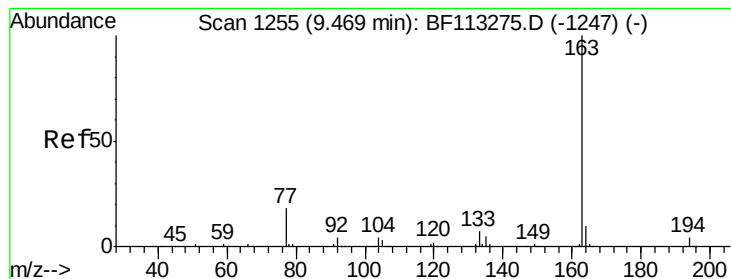


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.167 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Instrument :

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ClientSampleId :

P-4-OW(0-10)

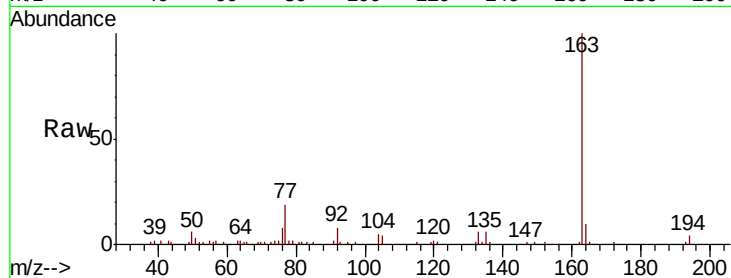
Tgt Ion:163 Resp: 74856

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

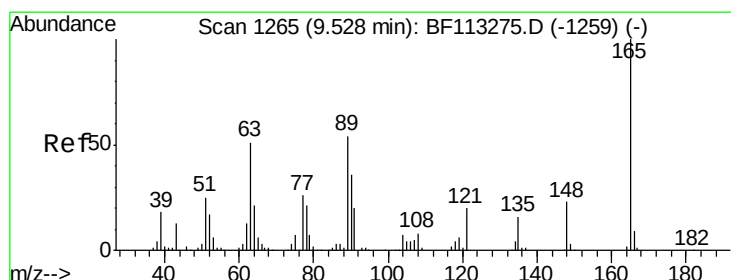
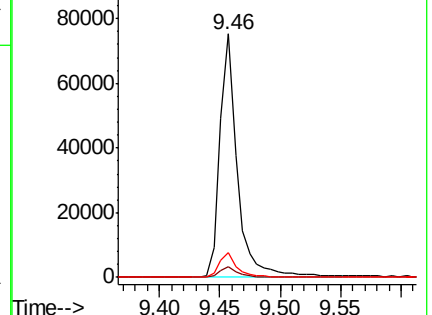
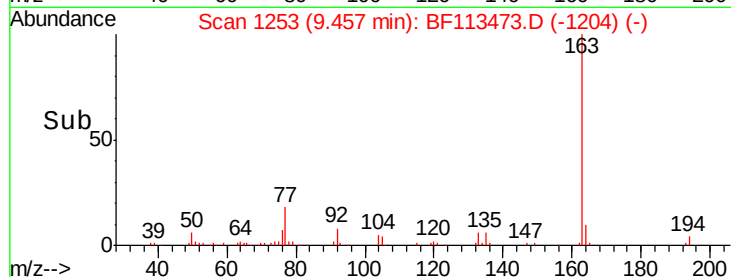
164 10.3 8.1 12.1



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



#51

2,6-Dinitrotoluene

Concen: 7.751 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

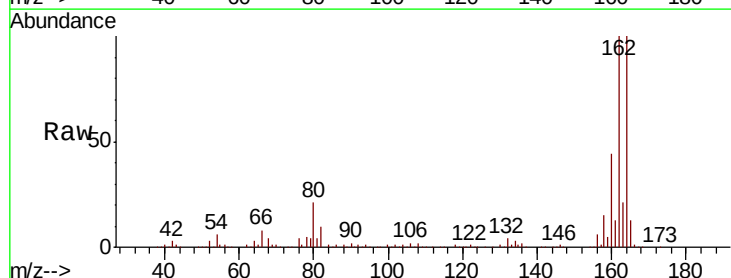
Tgt Ion:165 Resp: 31413

Ion Ratio Lower Upper

165 100

63 1.7 43.4 65.0#

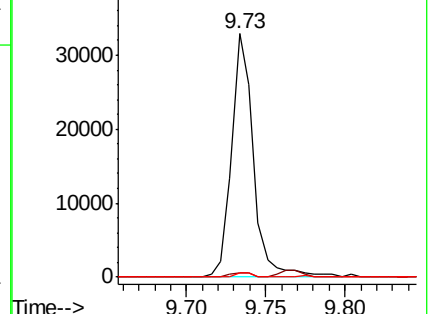
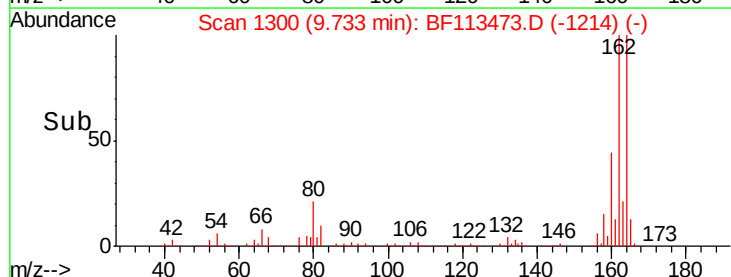
89 1.5 43.1 64.7#

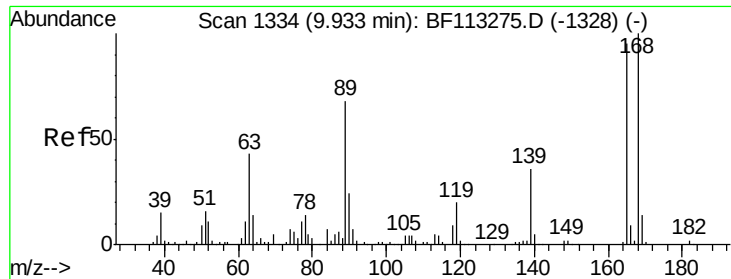


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

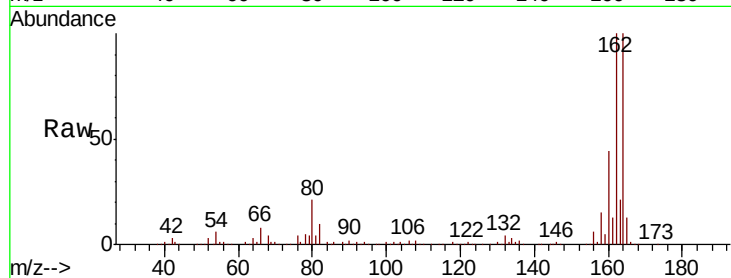




#57
 2,4-Dinitrotoluene
 Concen: 6.118 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 P-4-OW(0-10)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	37.5	56.3#
89	1.5	57.4	86.2#
182	0.0	2.0	3.0#



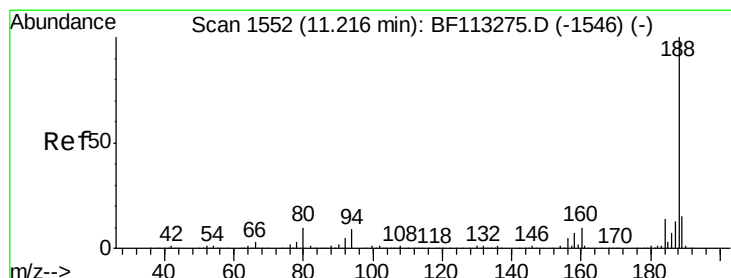
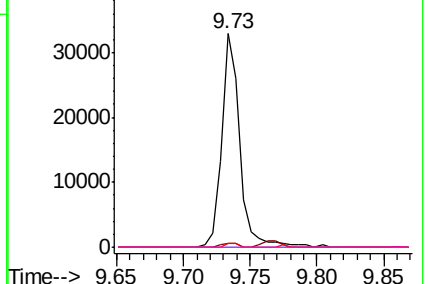
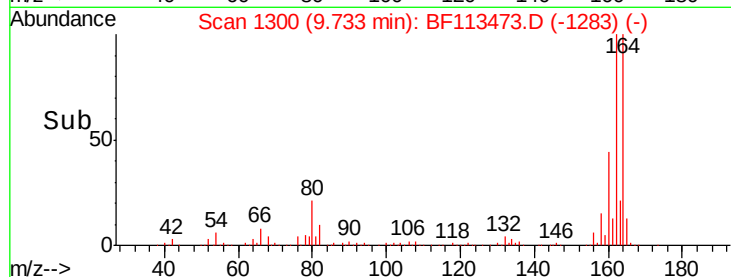
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

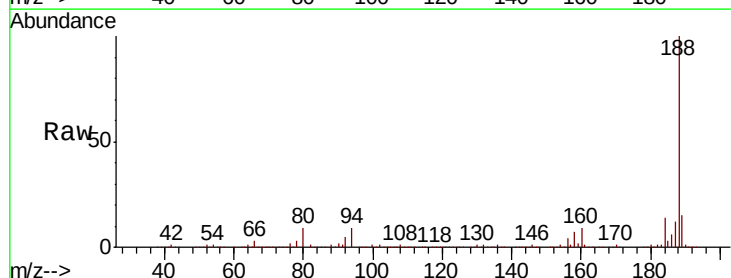
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.6
80	9.5	7.7	11.5

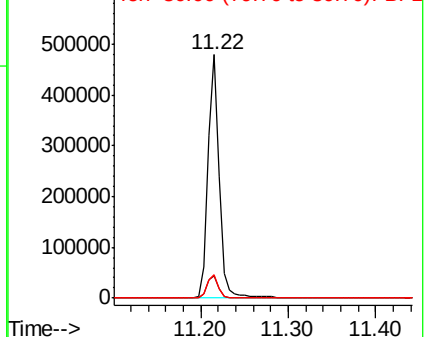
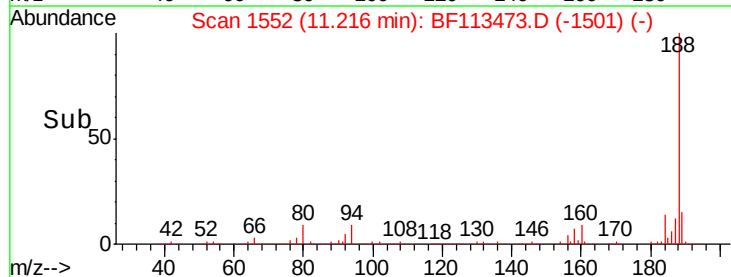


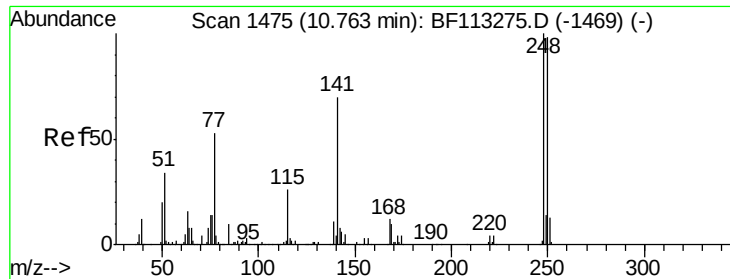
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

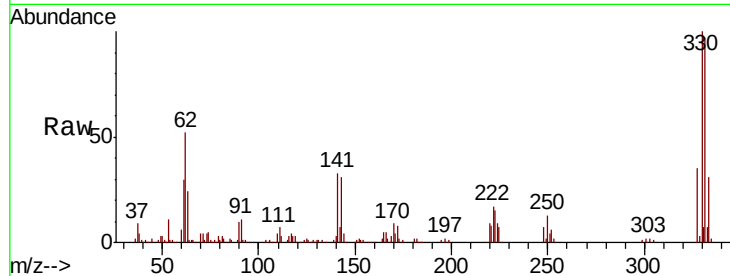




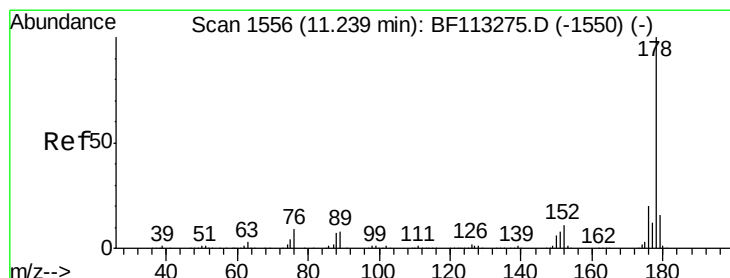
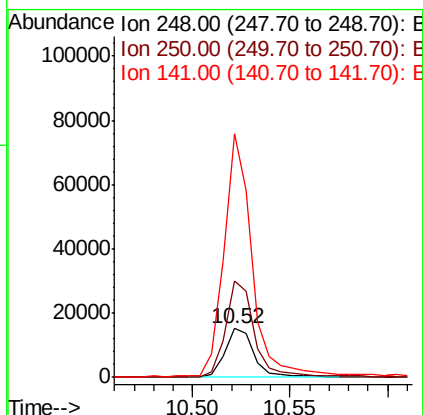
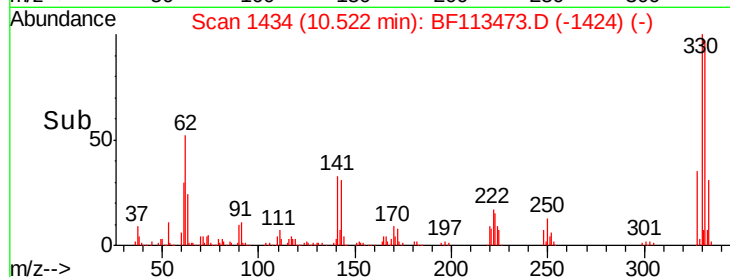
#67
 4-Bromophenyl-phenylether
 Concen: 3.360 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 P-4-OW(0-10)

Tgt Ion:248 Resp: 15763
 Ion Ratio Lower Upper
 248 100
 250 198.0 78.3 117.5#
 141 502.4 56.2 84.4#

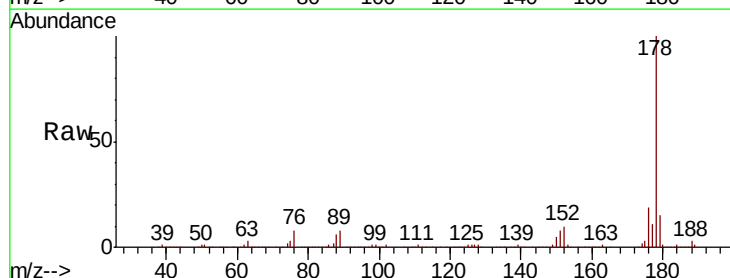


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

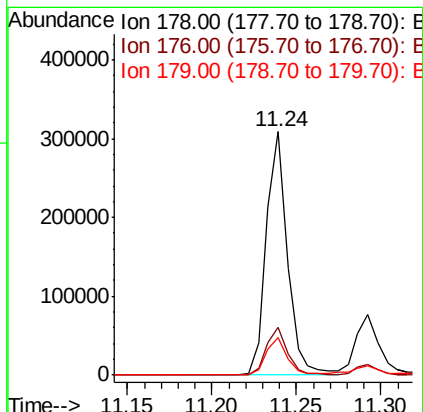
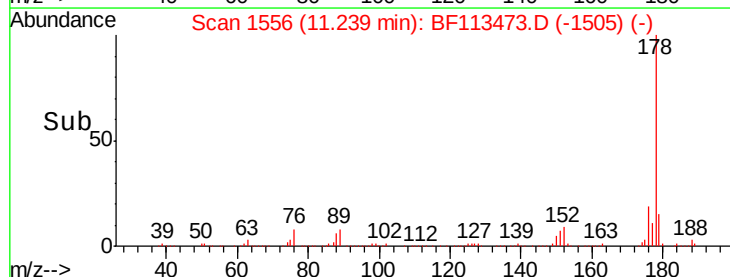


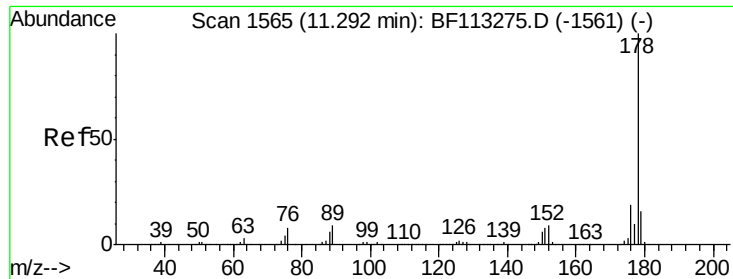
#71
 Phenanthrene
 Concen: 12.655 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

Tgt Ion:178 Resp: 270503
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.2
 179 15.5 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: 3.510 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Instrument :

BNA_F

ClientSampleId :

P-4-OW(0-10)

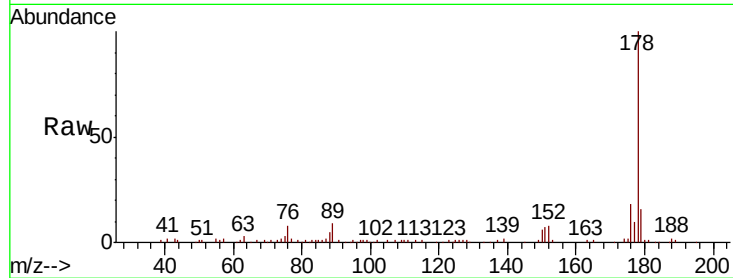
Tgt Ion:178 Resp: 76205

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

179 15.7 12.8 19.2

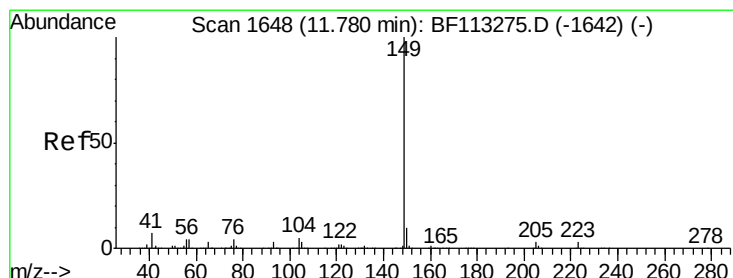
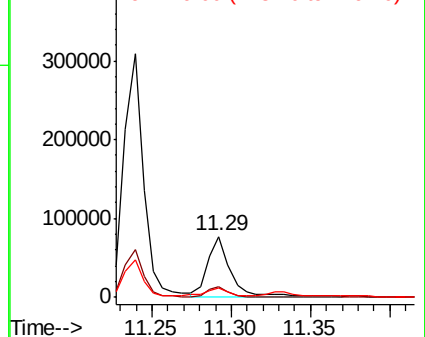
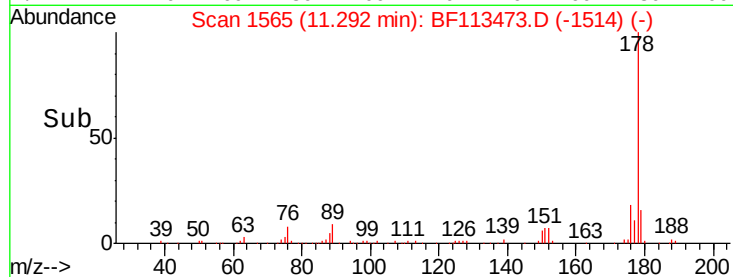


Abundance

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



#74

Di-n-butylphthalate

Concen: 2.603 ng

RT: 11.77 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

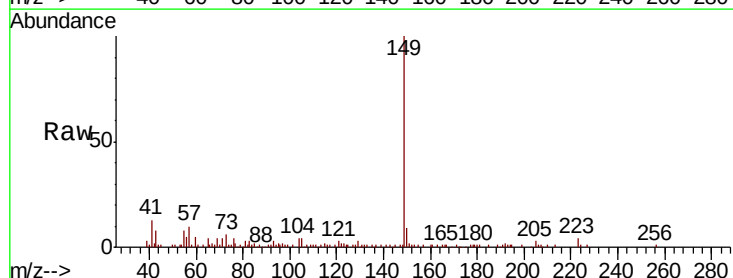
Tgt Ion:149 Resp: 62528

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

104 4.2 3.7 5.5

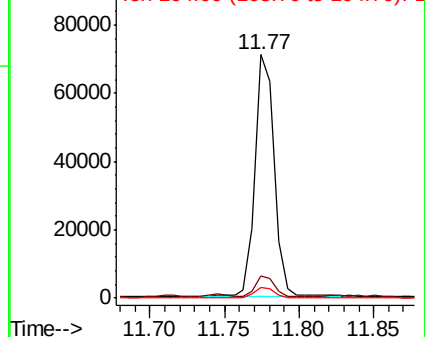
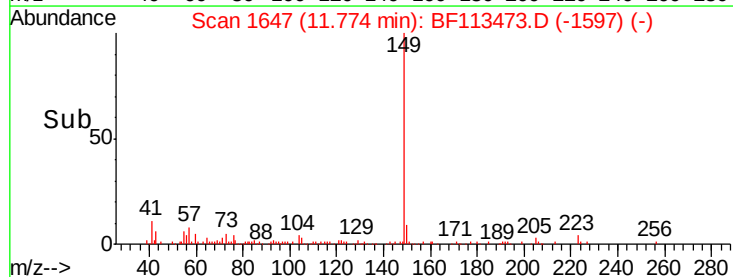


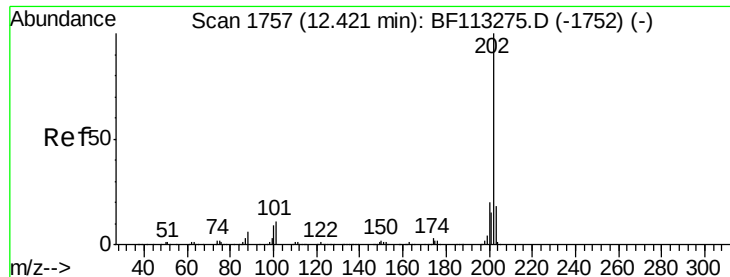
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 23.121 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Instrument :

BNA_F

ClientSampleId :

P-4-OW(0-10)

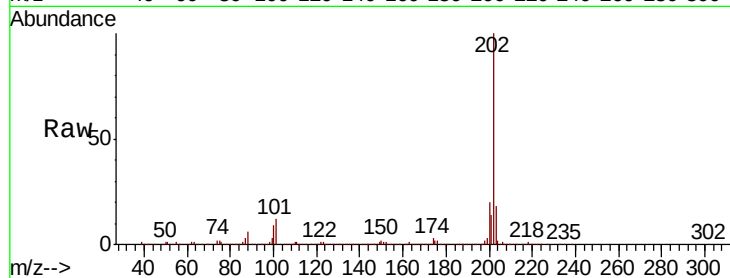
Tgt Ion:202 Resp: 558733

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

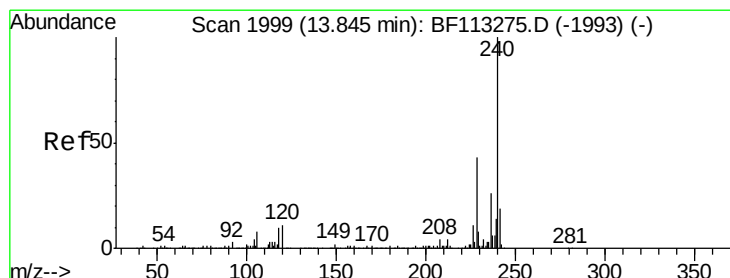
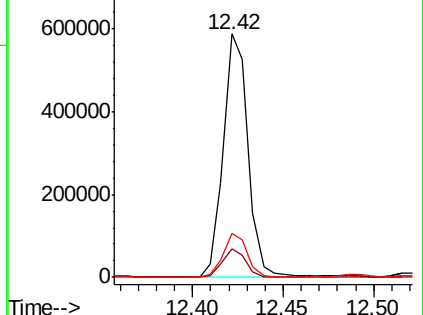
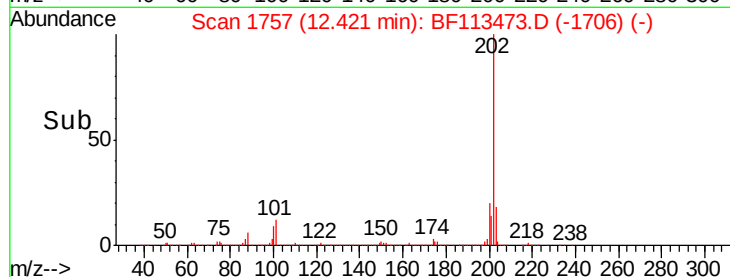
203 18.3 0.0 38.0



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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

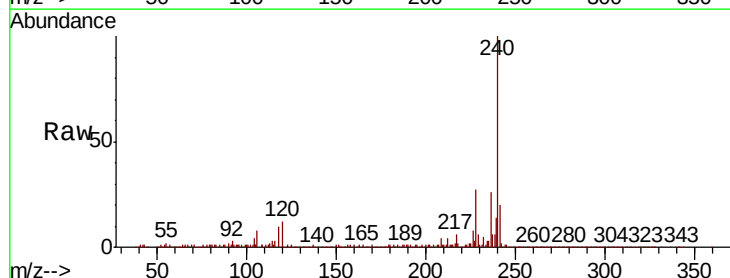
Tgt Ion:240 Resp: 383611

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

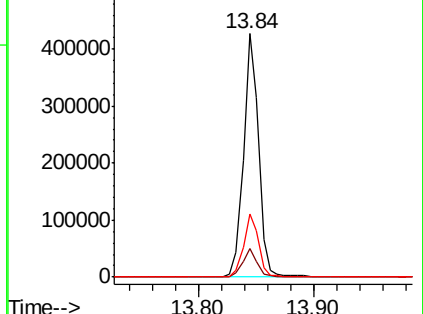
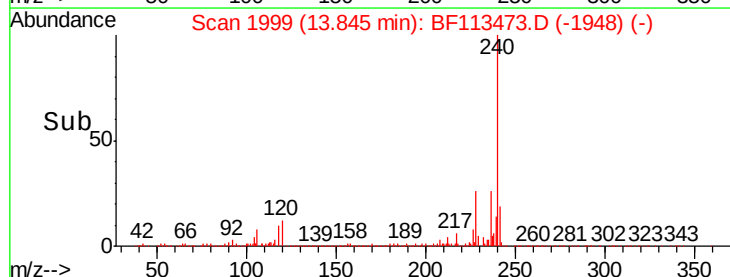
236 25.7 20.9 31.3

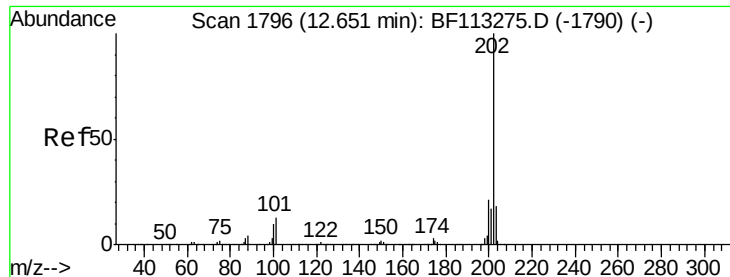


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

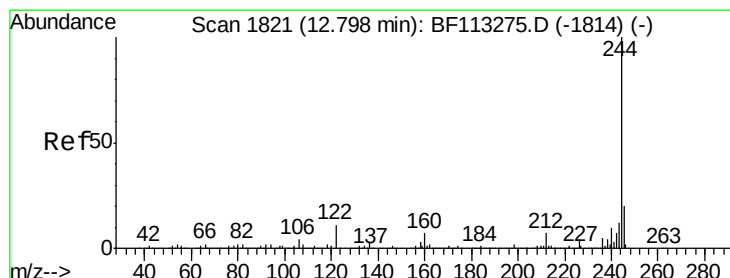
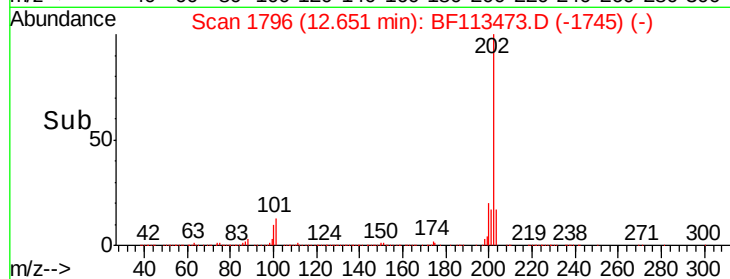
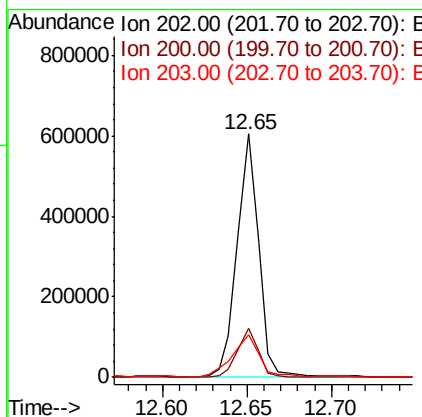
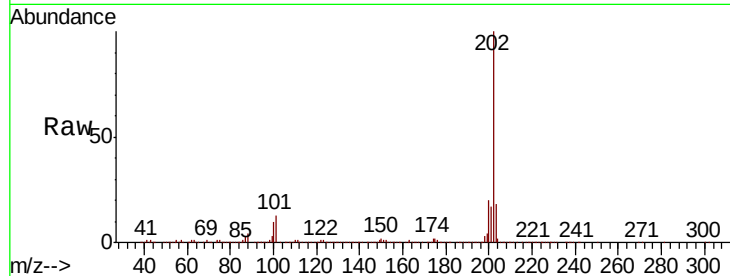




#78
 Pyrene
 Concen: 20.124 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

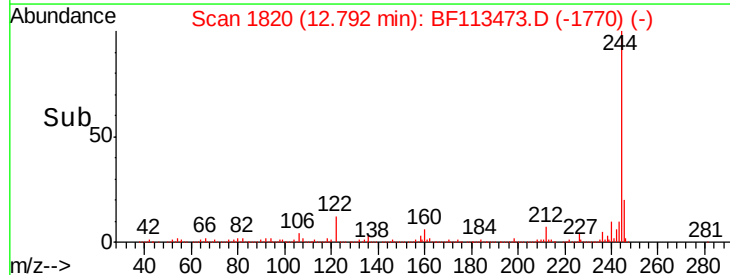
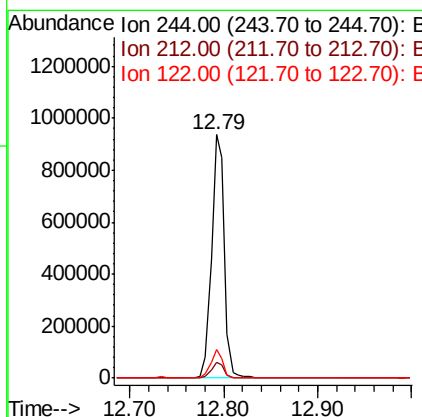
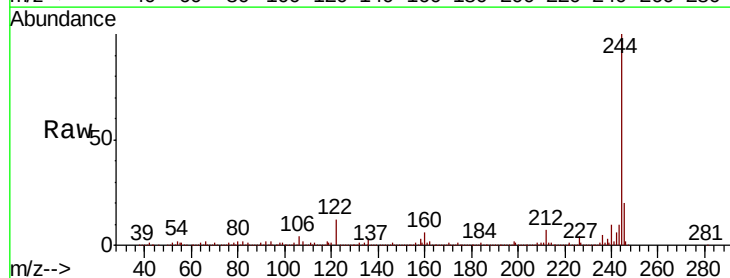
Instrument :
 BNA_F
 ClientSampleId :
 P-4-OW(0-10)

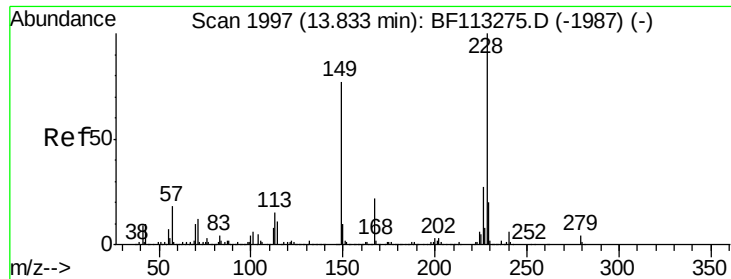
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	17.7	14.4	21.6



#79
 Terphenyl-d14
 Concen: 51.842 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	11.6	8.6	13.0

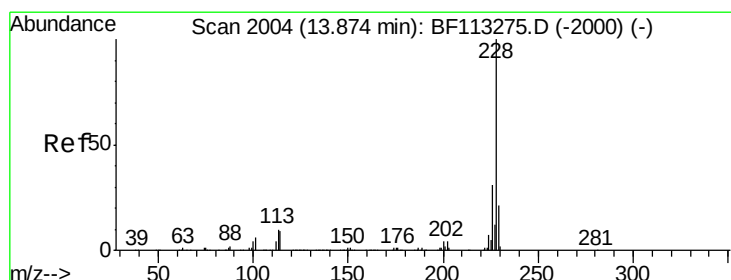
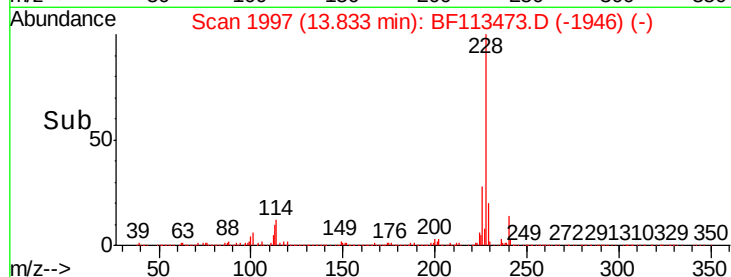
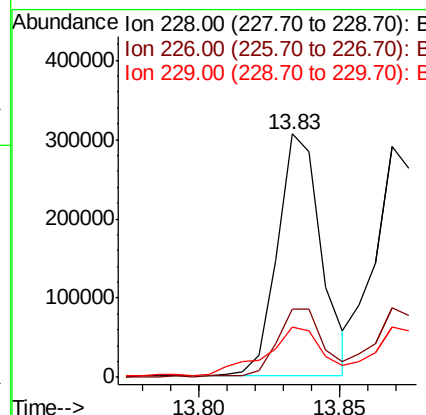
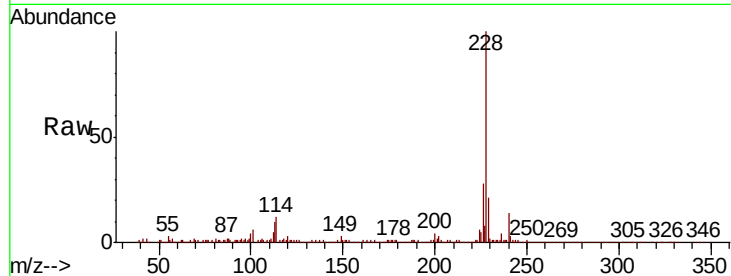




#81
Benzo(a)anthracene
Concen: 15.069 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

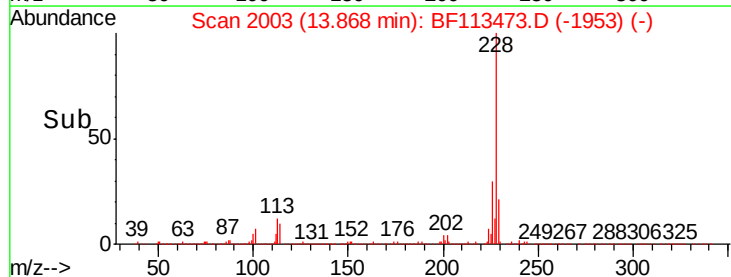
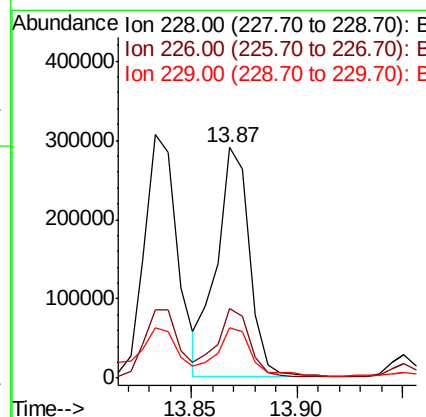
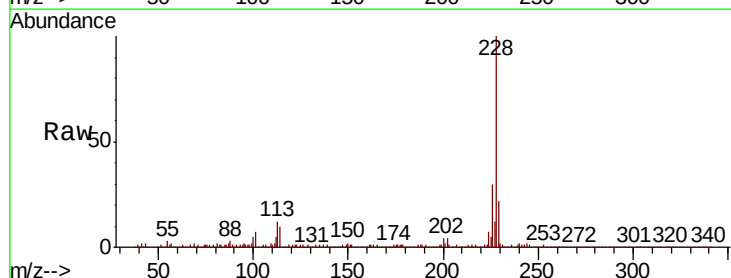
Instrument :
BNA_F
ClientSampleId :
P-4-OW(0-10)

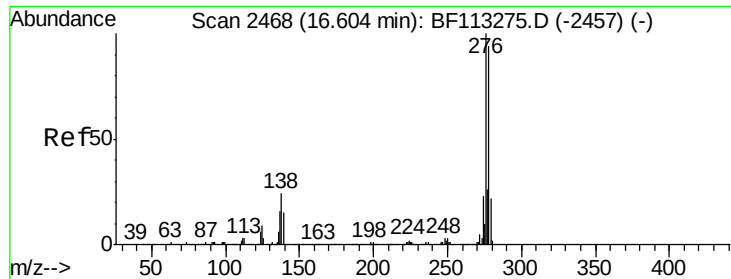
Tgt Ion:228 Resp: 330903
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.7 16.2 24.4



#83
Chrysene
Concen: 14.117 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

Tgt Ion:228 Resp: 314859
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 22.1 16.3 24.5

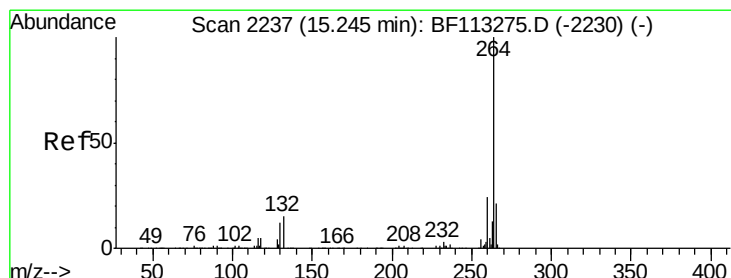
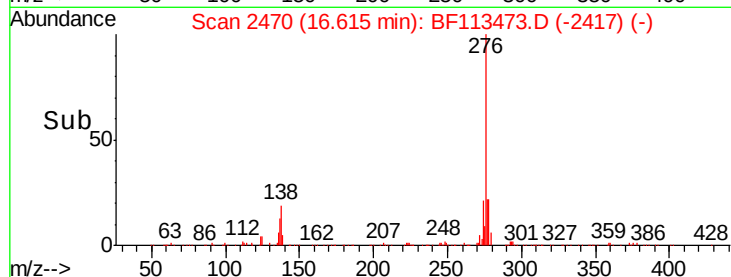
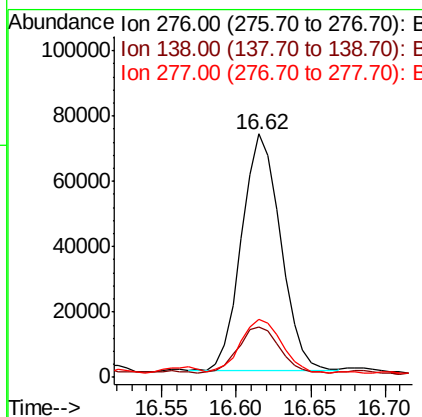
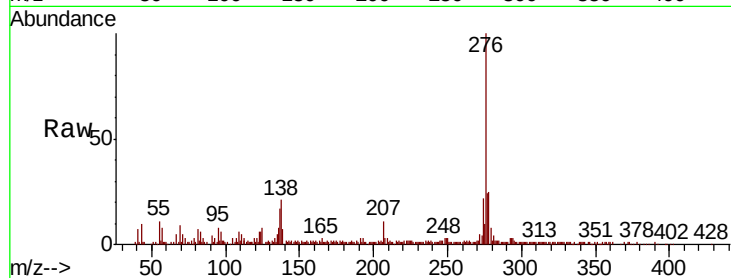




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.881 ng
 RT: 16.62 min Scan# 2470
 Delta R.T. 0.01 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

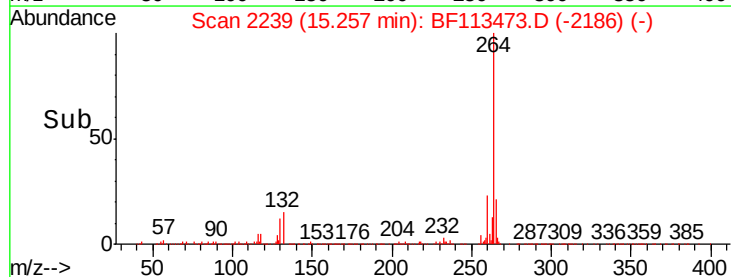
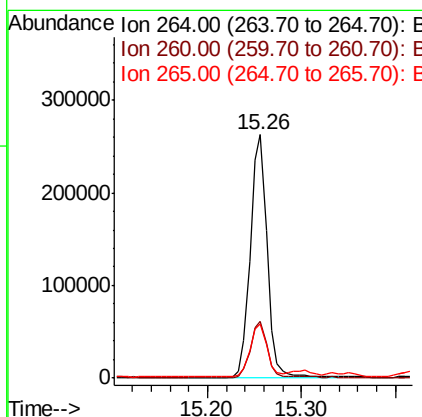
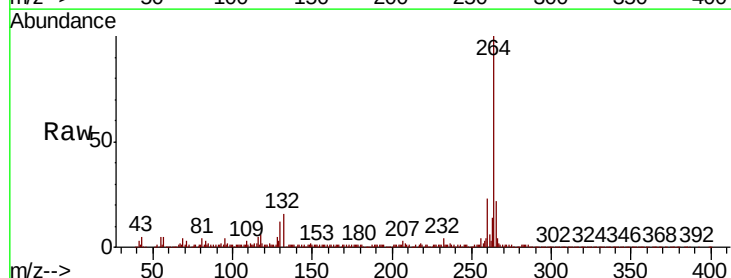
Instrument :
 BNA_F
 ClientSampleId :
 P-4-OW(0-10)

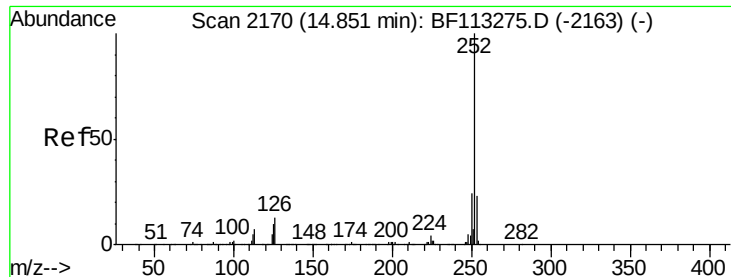
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.1	27.1
277	24.1	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BF113473.D
 Acq: 1 Apr 2019 18:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	22.0	17.1	25.7

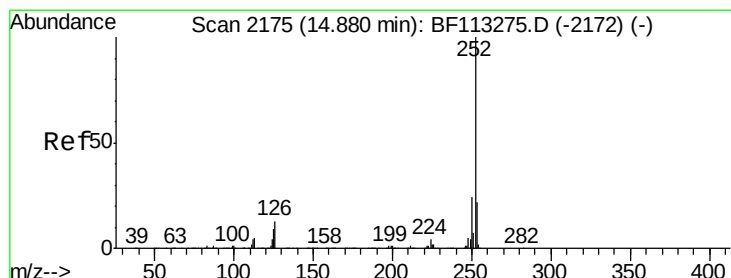
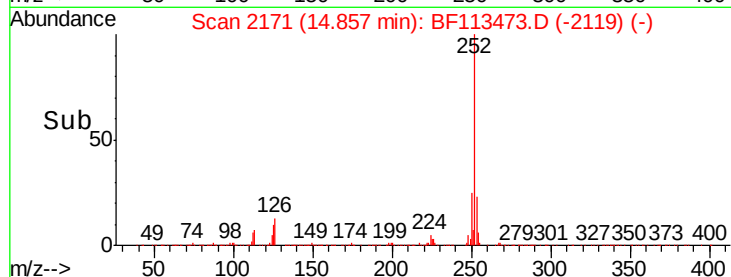
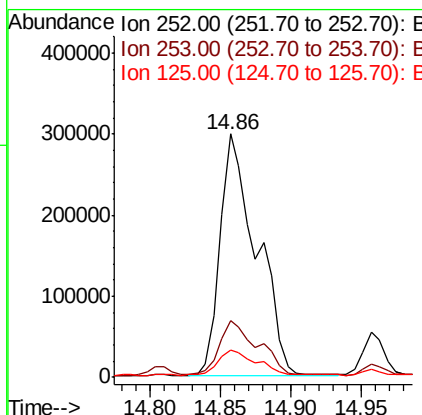
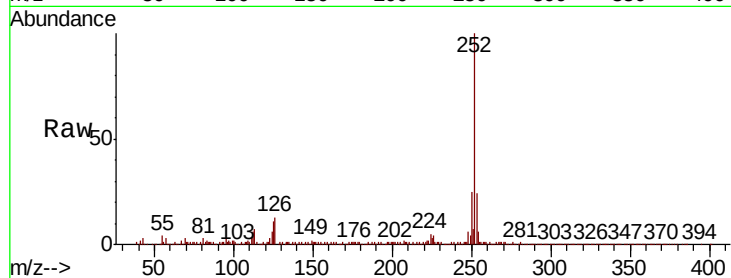




#88
Benzo(b)fluoranthene
Concen: 26.865 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

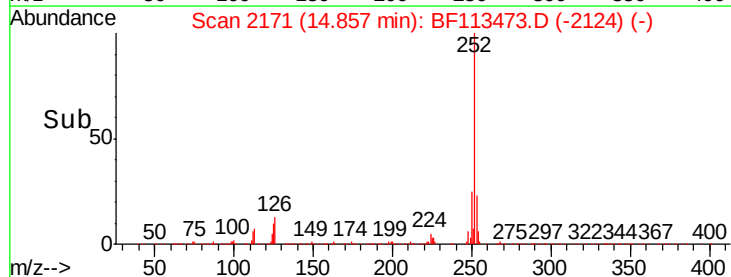
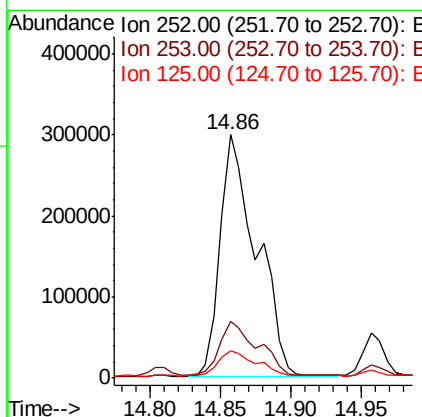
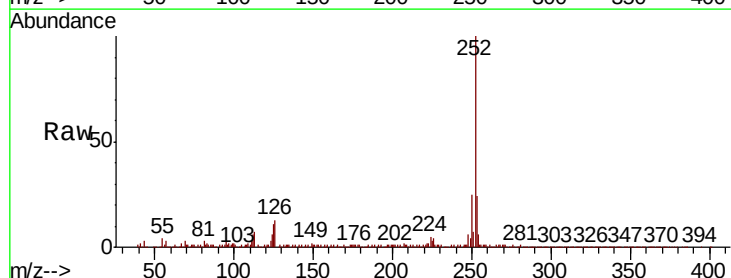
Instrument :
BNA_F
ClientSampleId :
P-4-OW(0-10)

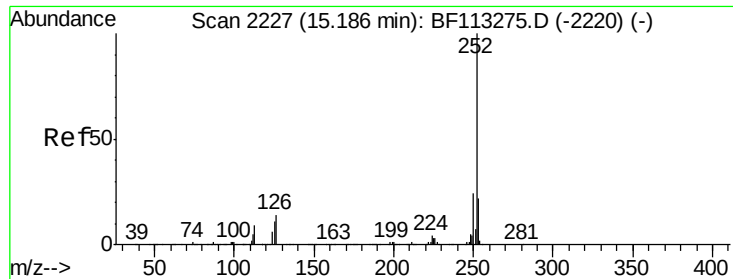
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.0	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 30.591 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF113473.D
Acq: 1 Apr 2019 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	11.0	7.3	10.9#





#90

Benzo(a)pyrene

Concen: 14.697 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

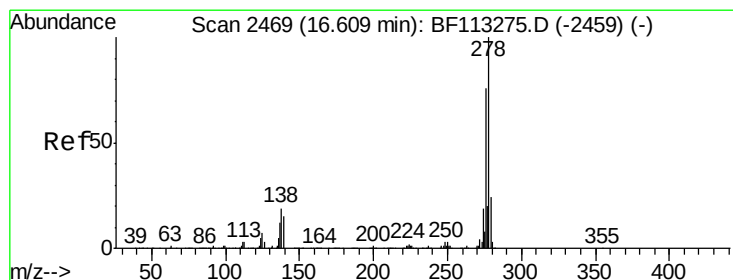
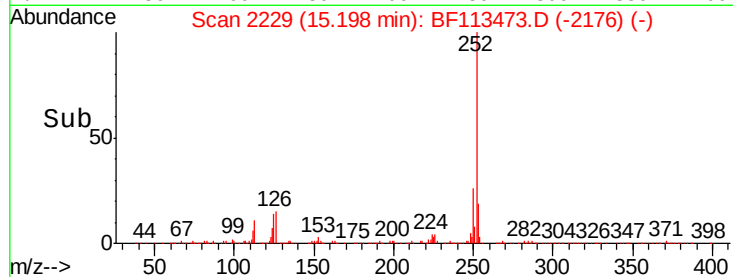
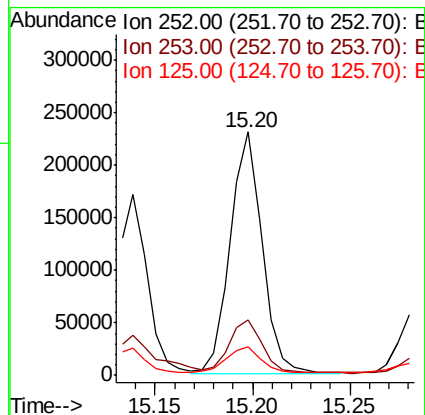
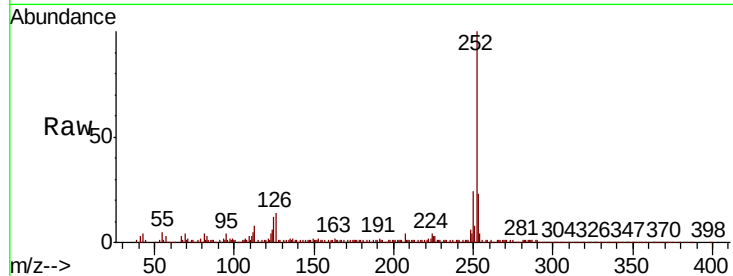
Instrument :

BNA_F

ClientSampleId :

P-4-OW(0-10)

Tgt Ion:	252	Resp:	263207
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	11.7	8.8	13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.529 ng

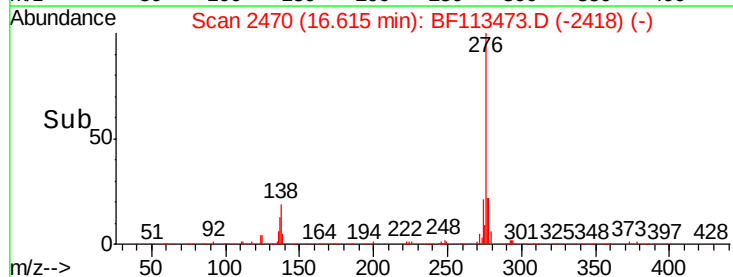
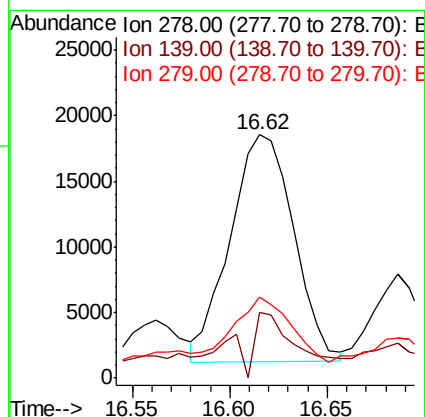
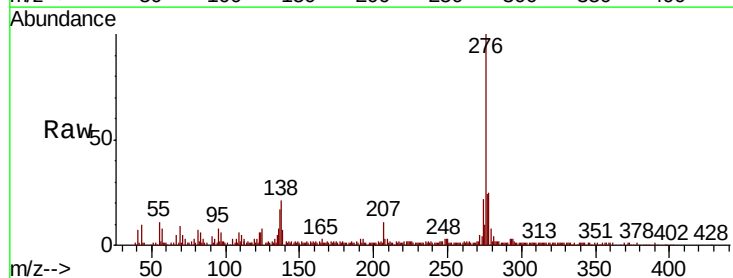
RT: 16.62 min Scan# 2470

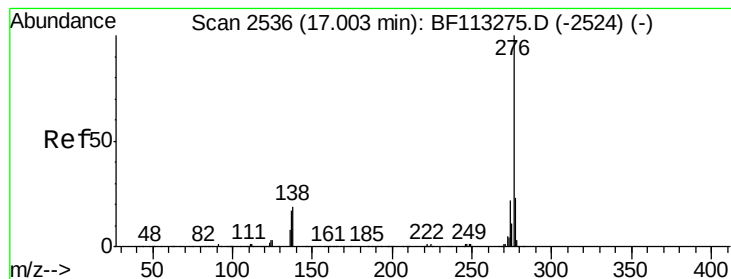
Delta R.T. 0.01 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Tgt Ion:	278	Resp:	39168
Ion Ratio	Lower	Upper	
278	100		
139	27.2	12.0	18.0#
279	33.1	19.0	28.6#





#92

Benzo(g,h,i)perylene

Concen: 8.281 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.02 min

Lab File: BF113473.D

Acq: 1 Apr 2019 18:22

Instrument :

BNA_F

ClientSampleId :

P-4-OW(0-10)

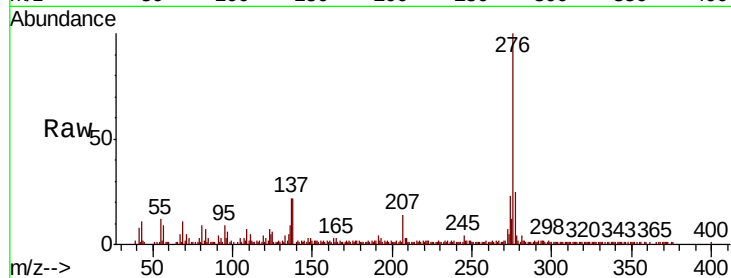
Tgt Ion: 276 Resp: 129291

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 21.7 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

