

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113516.D
 Acq On : 2 Apr 2019 20:14
 Operator : JU/SJ
 Sample : K2180-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6D

Quant Time: Apr 03 01:03:25 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	6.69	152	138662	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	512572	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	239081	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	427573	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	337929	20.00	ng	-0.02
87) Perylene-d12	15.23	264	374214	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	924377	109.00	ng	0.00
7) Phenol-d6	6.35	99	1190313	110.95	ng	-0.01
23) Nitrobenzene-d5	7.26	82	715773	82.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	327778	110.99	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1221161	78.76	ng	-0.02
79) Terphenyl-d14	12.78	244	1080992	70.51	ng	-0.02

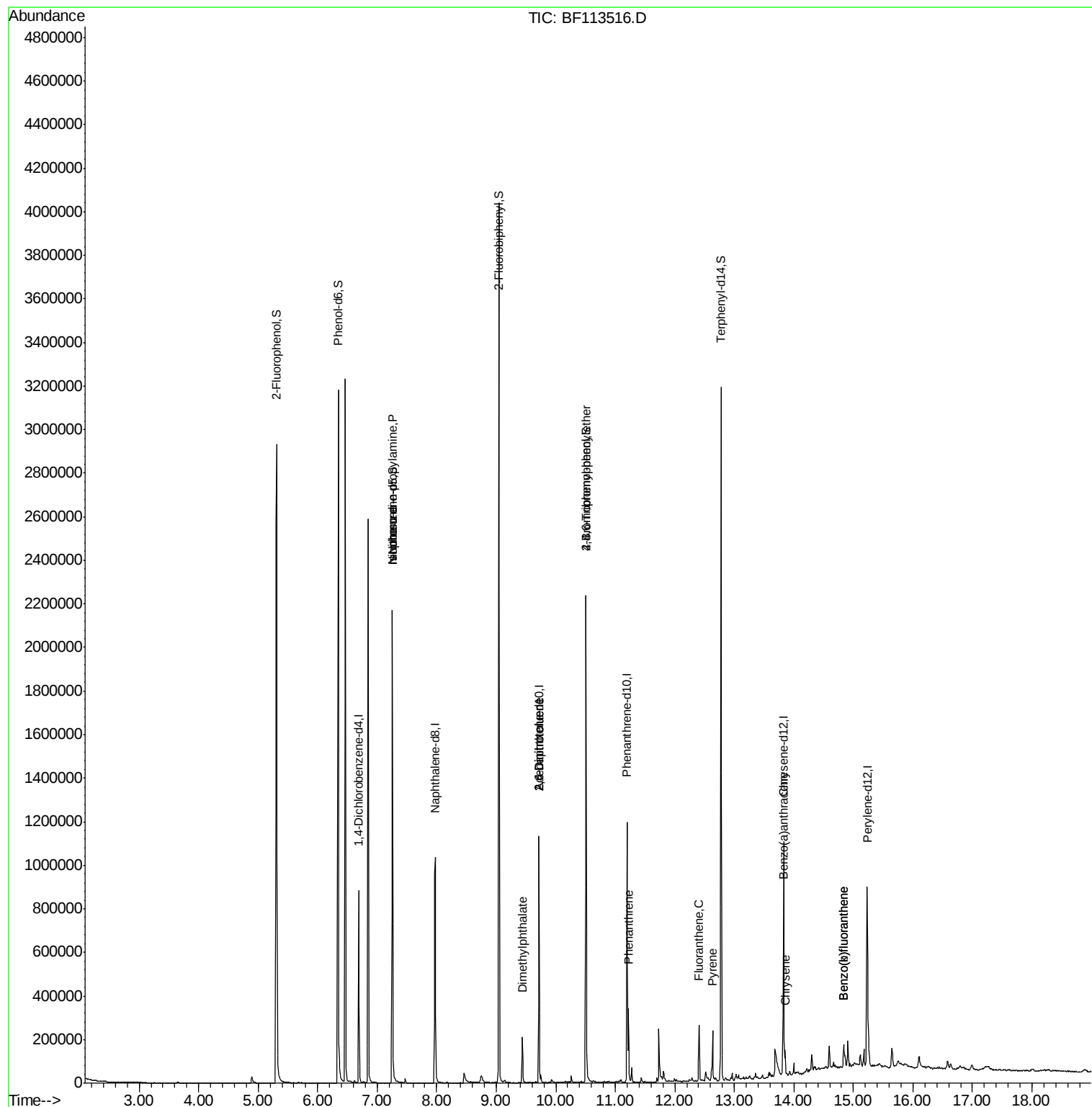
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	91776	13.619	ng	# 76
25) Isophorone	7.26	82	707581	42.279	ng	# 64
50) Dimethylphthalate	9.44	163	86342	4.873	ng	99
51) 2,6-Dinitrotoluene	9.72	165	29872	7.473	ng	# 26
57) 2,4-Dinitrotoluene	9.72	165	29872	5.877	ng	# 23
67) 4-Bromophenyl-phenylether	10.51	248	19065	4.091	ng	# 1
71) Phenanthrene	11.22	178	118701	5.590	ng	99
75) Fluoranthene	12.41	202	117093	4.878	ng	98
78) Pyrene	12.63	202	92472	3.949	ng	98
81) Benzo(a)anthracene	13.82	228	46765	2.418	ng	98
83) Chrysene	13.85	228	42208	2.148	ng	98
88) Benzo(b)fluoranthene	14.84	252	68428	2.944	ng	# 96
89) Benzo(k)fluoranthene	14.84	252	68428	3.352	ng	# 95

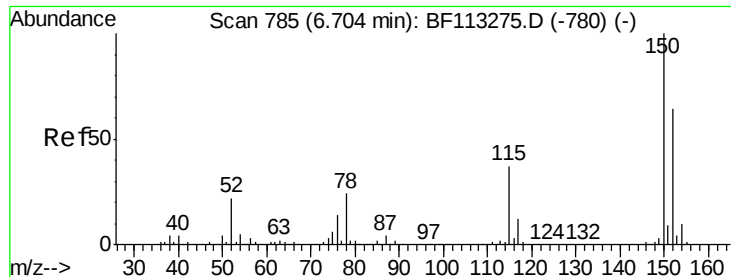
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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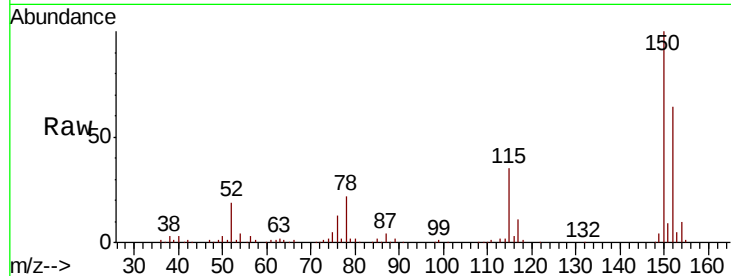


#1

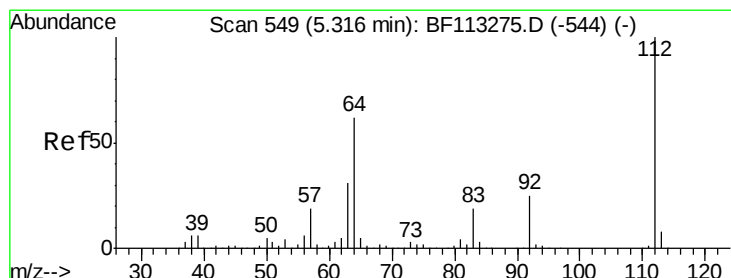
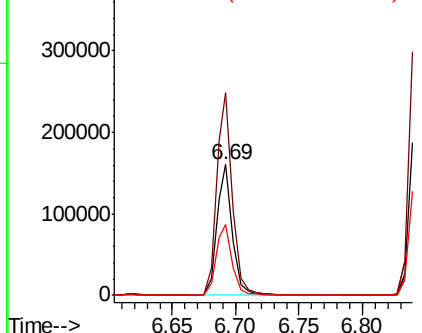
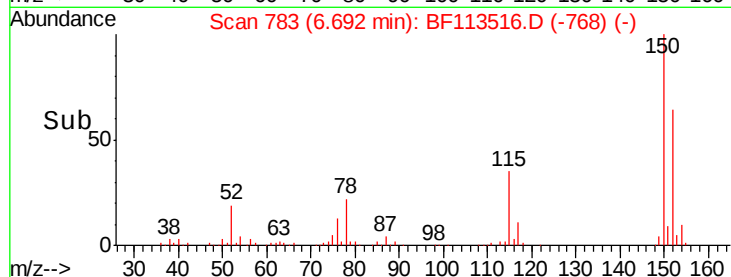
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Instrument :
BNA_F
ClientSampleId :
TP-6D

Tgt Ion:152 Resp: 138662
Ion Ratio Lower Upper
152 100
150 155.4 124.7 187.1
115 54.5 46.0 69.0



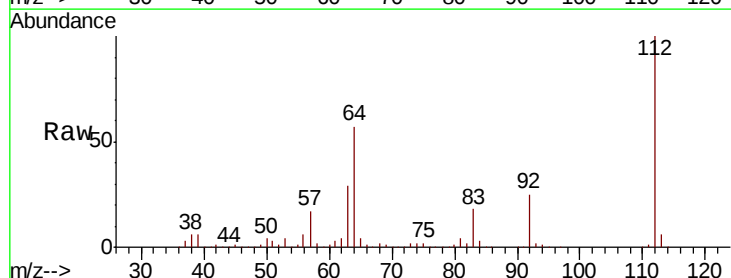
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



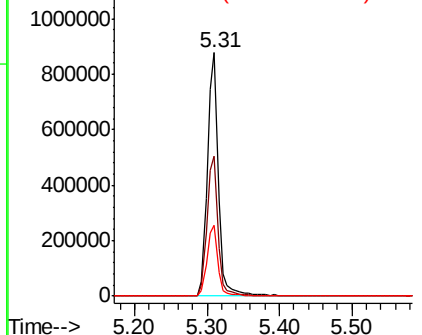
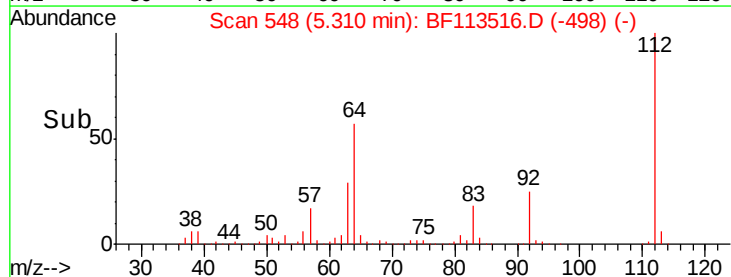
#5

2-Fluorophenol
Concen: 109.004 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Tgt Ion:112 Resp: 924377
Ion Ratio Lower Upper
112 100
64 57.4 49.2 73.8
63 29.3 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: 110.954 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113516.D

Acq: 2 Apr 2019 20:14

Instrument :

BNA_F

ClientSampleId :

TP-6D

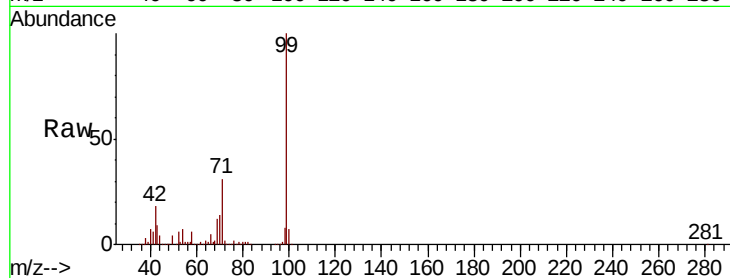
Tgt Ion: 99 Resp: 1190313

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

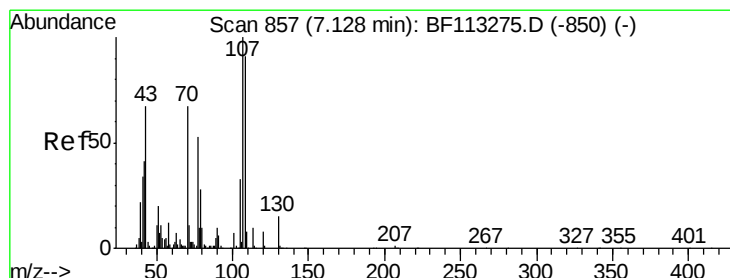
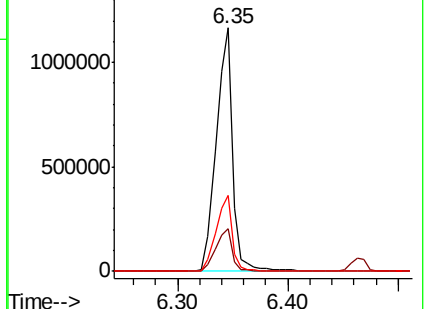
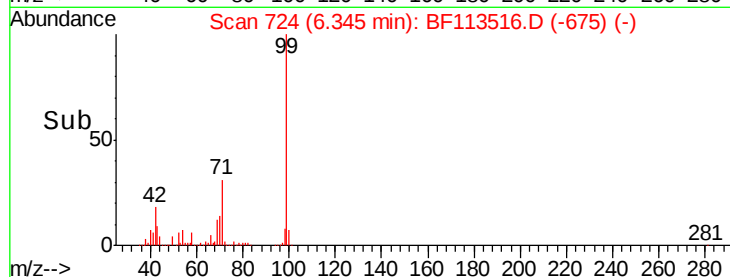
71 31.4 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.619 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF113516.D

Acq: 2 Apr 2019 20:14

Tgt Ion: 70 Resp: 91776

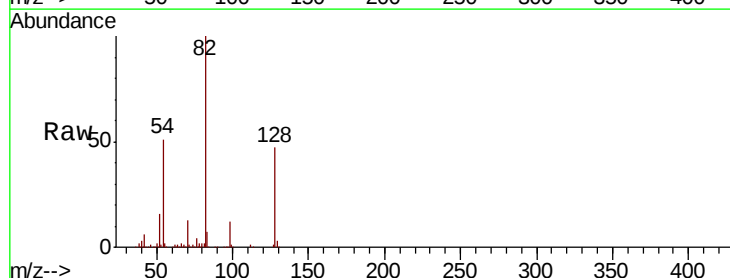
Ion Ratio Lower Upper

70 100

42 48.3 48.4 72.6#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

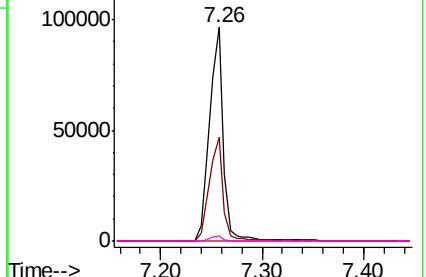
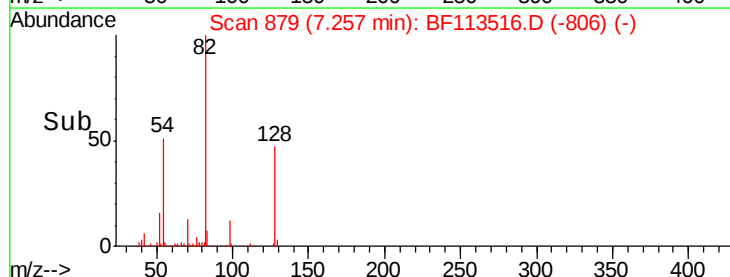


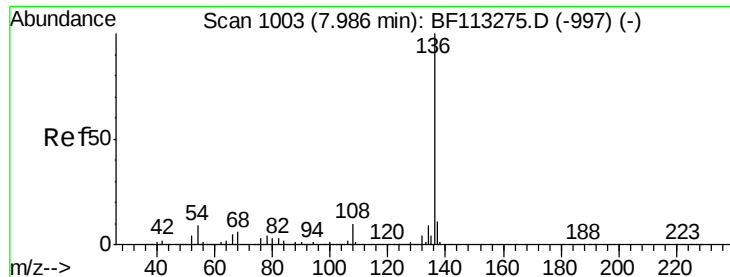
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

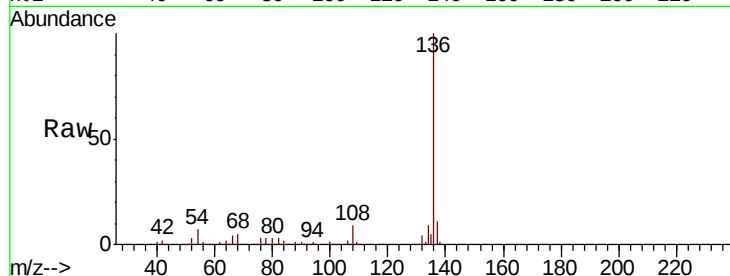




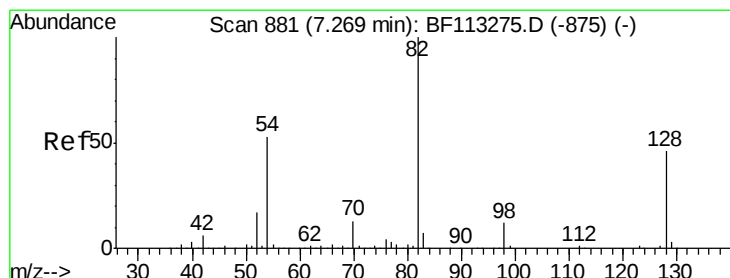
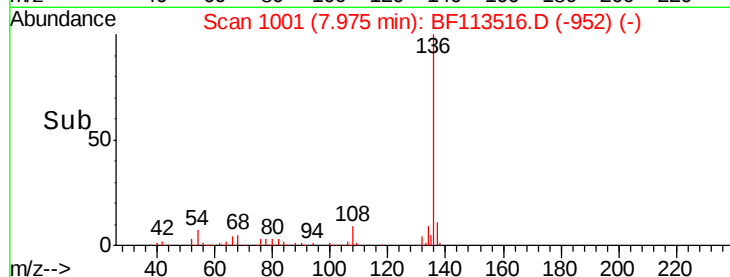
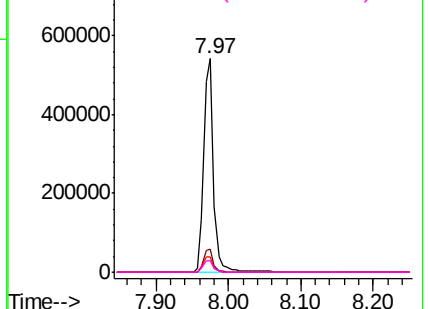
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Instrument :
BNA_F
ClientSampleId :
TP-6D

Tgt Ion:	136	Resp:	512572
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.1	7.0	10.6
68	5.2	4.8	7.2

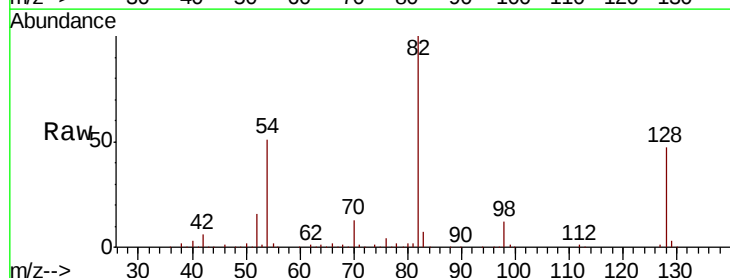


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

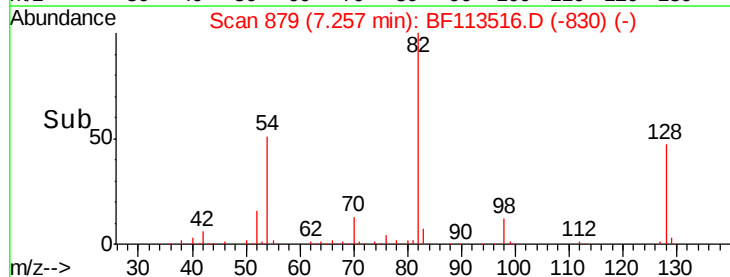
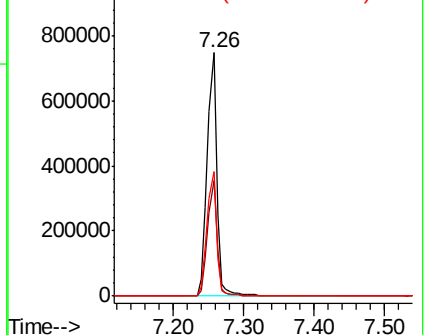


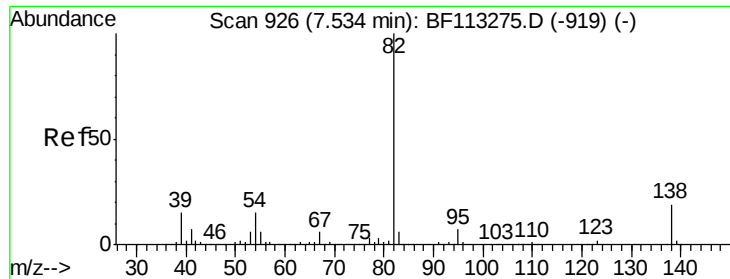
#23
Nitrobenzene-d5
Concen: 82.884 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Tgt Ion:	82	Resp:	715773
Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.5	54.7
54	51.4	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

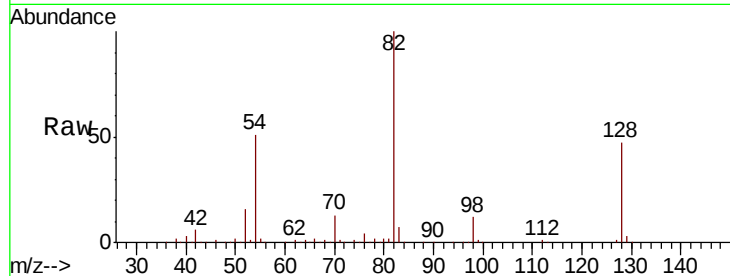




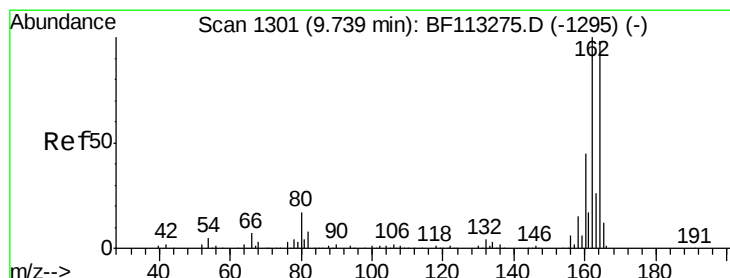
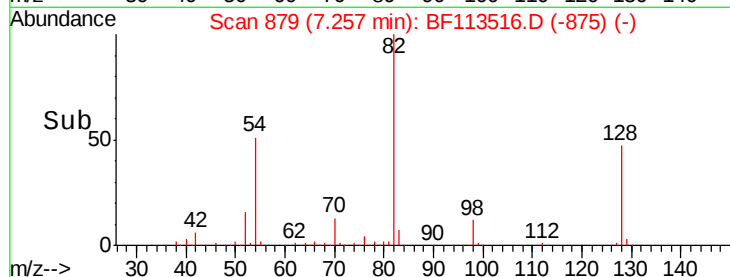
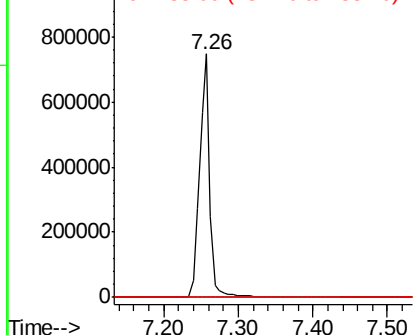
#25
Isophorone
Concen: 42.279 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.28 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Instrument :
BNA_F
ClientSampled :
TP-6D

Tgt Ion: 82 Resp: 707581
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#

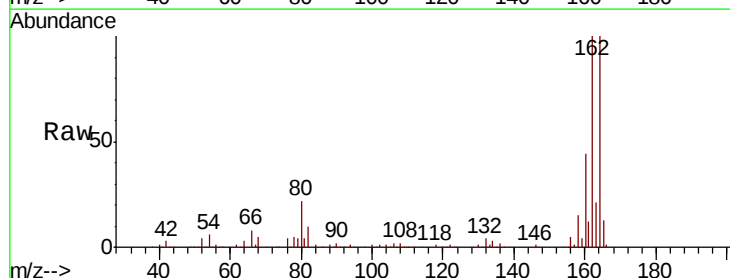


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

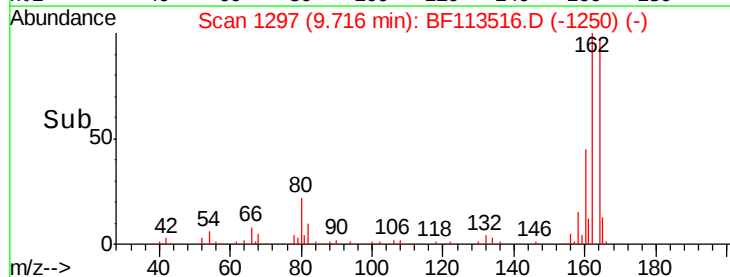
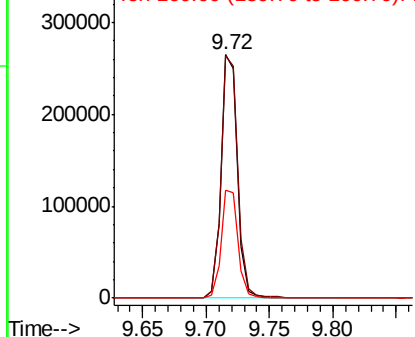


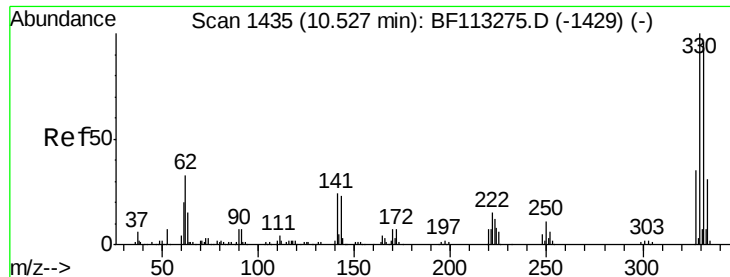
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Tgt Ion: 164 Resp: 239081
Ion Ratio Lower Upper
164 100
162 99.6 81.8 122.6
160 44.4 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

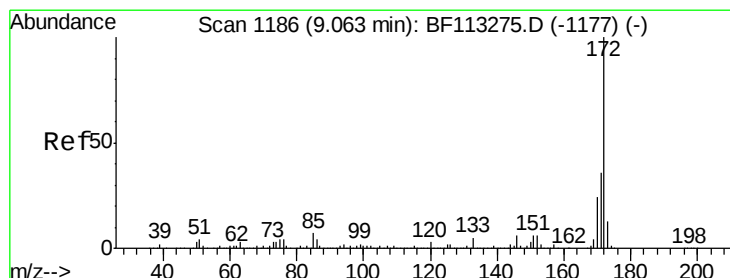
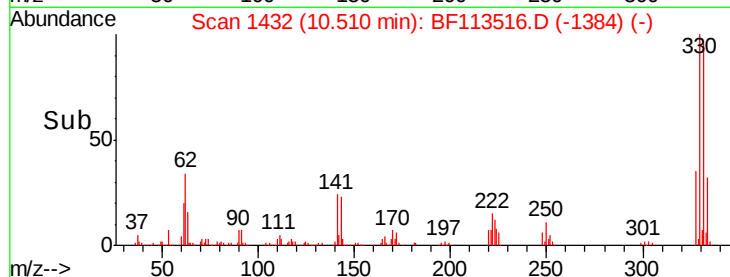
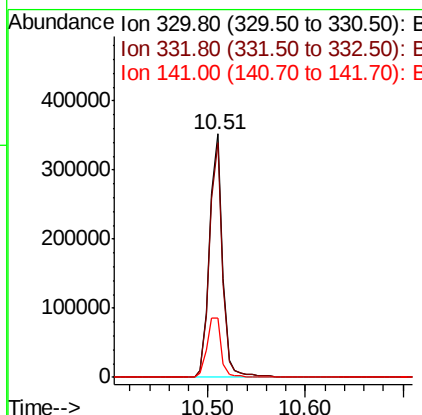
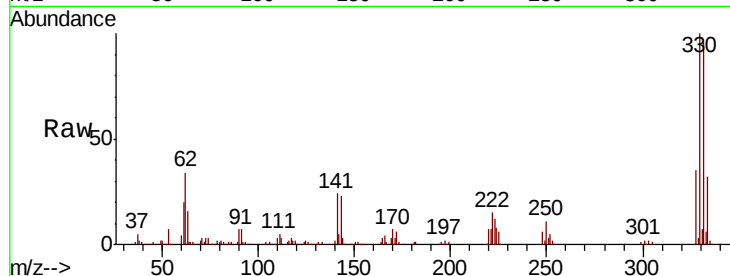




#42
 2,4,6-Tribromophenol
 Concen: 110.991 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF113516.D
 Acq: 2 Apr 2019 20:14

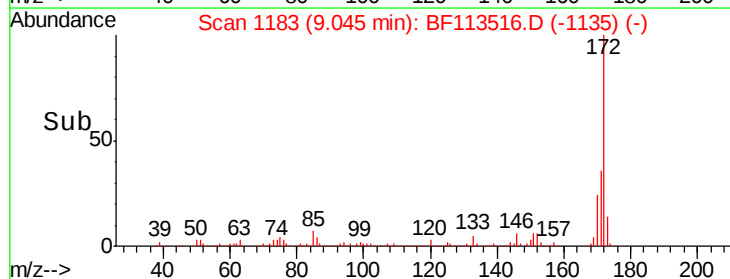
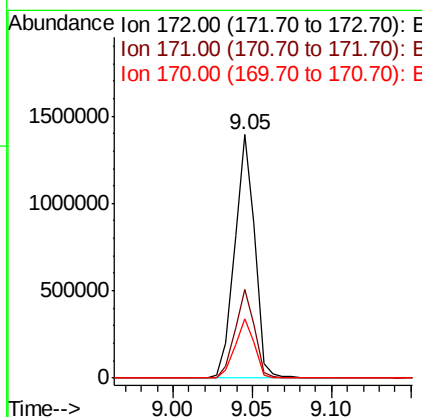
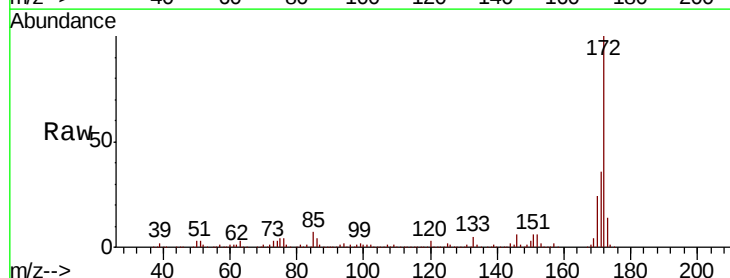
Instrument :
 BNA_F
 ClientSampled :
 TP-6D

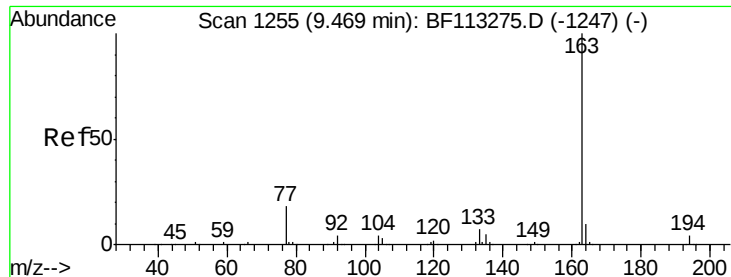
Tgt Ion:330 Resp: 327778
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.8 116.6
 141 27.2 22.7 34.1



#45
 2-Fluorobiphenyl
 Concen: 78.762 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF113516.D
 Acq: 2 Apr 2019 20:14

Tgt Ion:172 Resp: 1221161
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.4 19.5 29.3

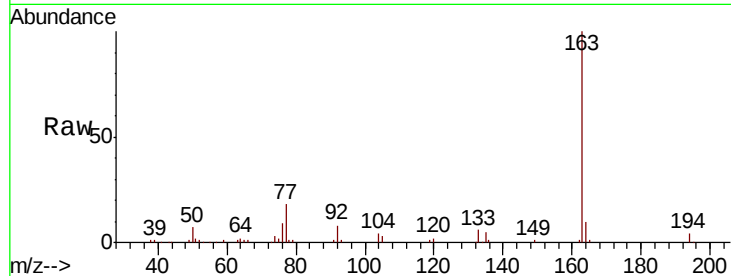




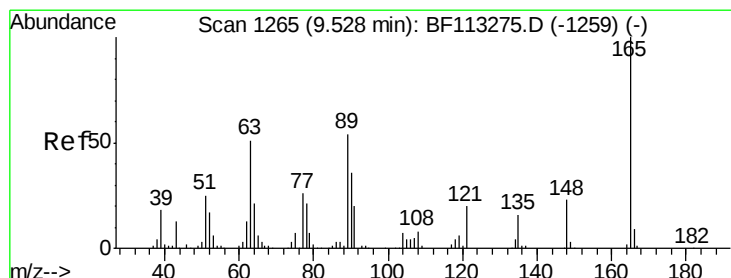
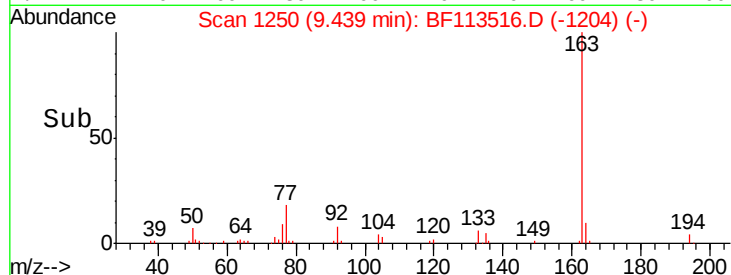
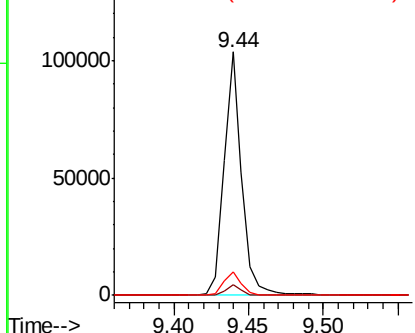
#50
Dimethylphthalate
Concen: 4.873 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Instrument :
BNA_F
ClientSampleId :
TP-6D

Tgt Ion:163 Resp: 86342
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.5 8.1 12.1

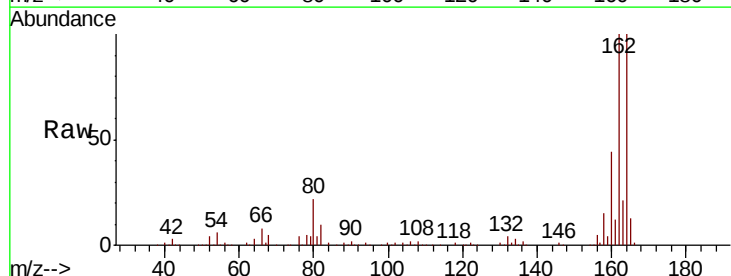


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

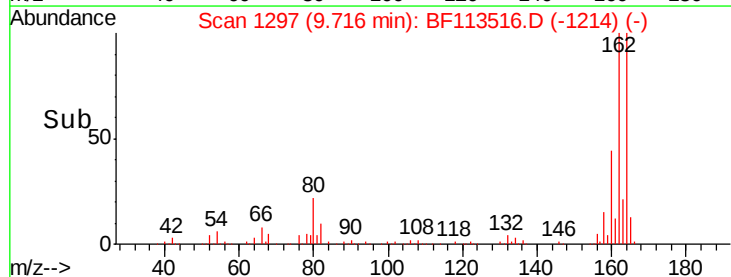
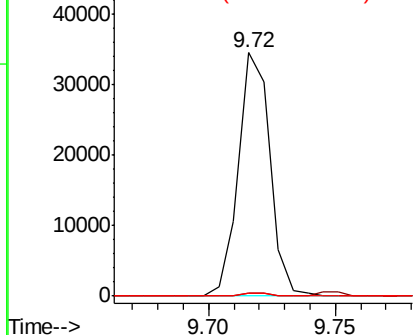


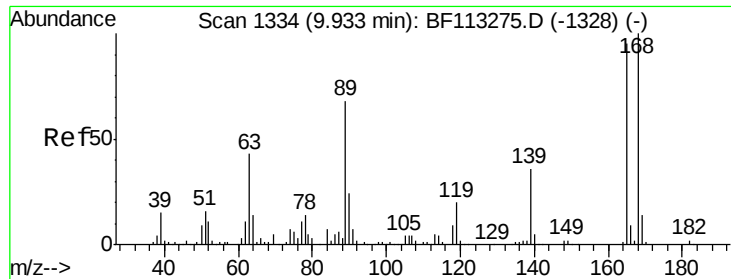
#51
2,6-Dinitrotoluene
Concen: 7.473 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.19 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Tgt Ion:165 Resp: 29872
Ion Ratio Lower Upper
165 100
63 1.2 43.4 65.0#
89 1.4 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

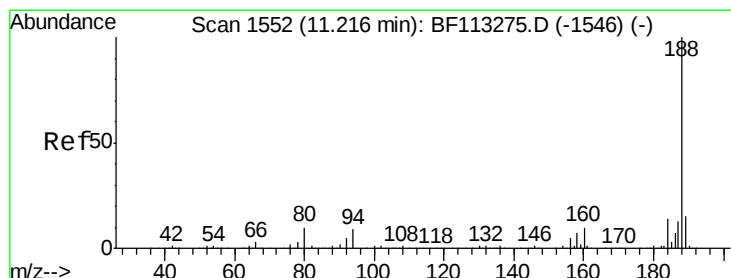
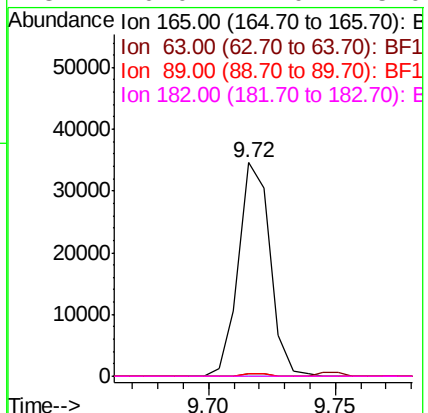
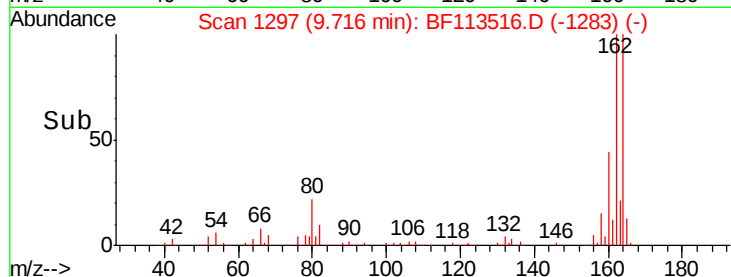
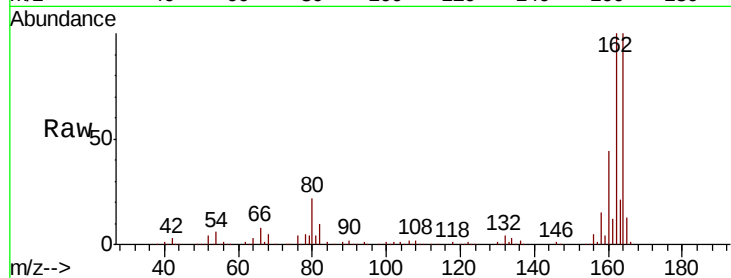




#57
 2,4-Dinitrotoluene
 Concen: 5.877 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF113516.D
 Acq: 2 Apr 2019 20:14

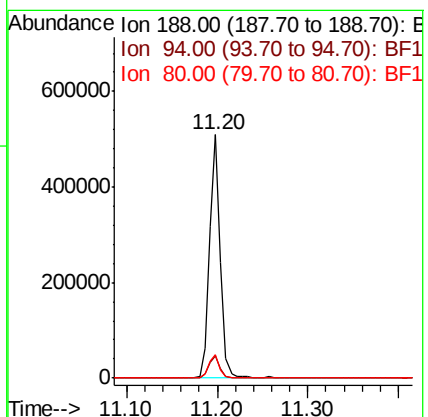
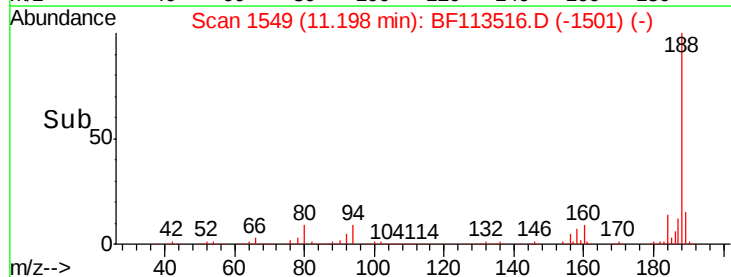
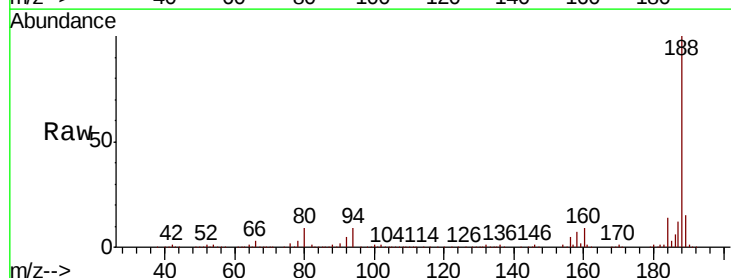
Instrument :
 BNA_F
 ClientSampled :
 TP-6D

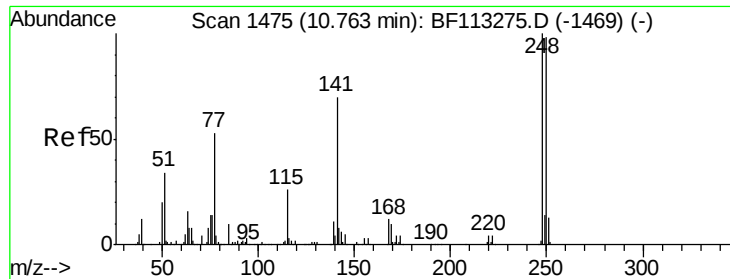
Tgt Ion:165 Resp: 29872
 Ion Ratio Lower Upper
 165 100
 63 1.2 37.5 56.3#
 89 1.4 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF113516.D
 Acq: 2 Apr 2019 20:14

Tgt Ion:188 Resp: 427573
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.0 10.6
 80 9.5 7.7 11.5

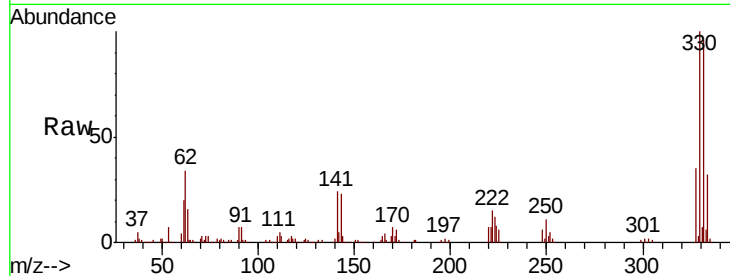




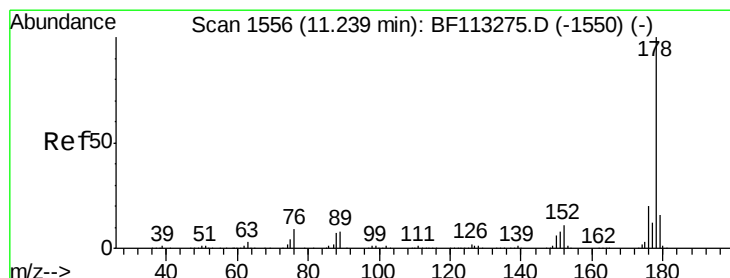
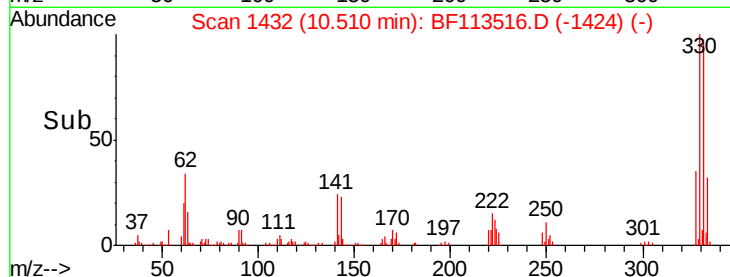
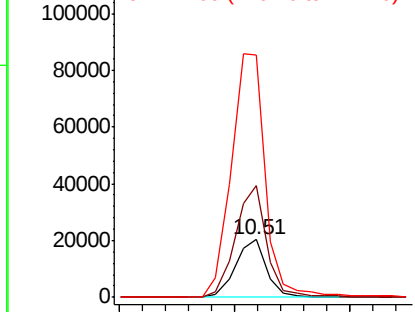
#67
 4-Bromophenyl-phenylether
 Concen: 4.091 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF113516.D
 Acq: 2 Apr 2019 20:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-6D

Tgt Ion:248 Resp: 19065
 Ion Ratio Lower Upper
 248 100
 250 194.3 78.3 117.5#
 141 420.3 56.2 84.4#

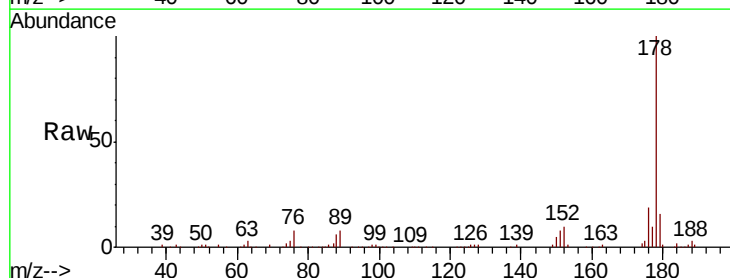


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

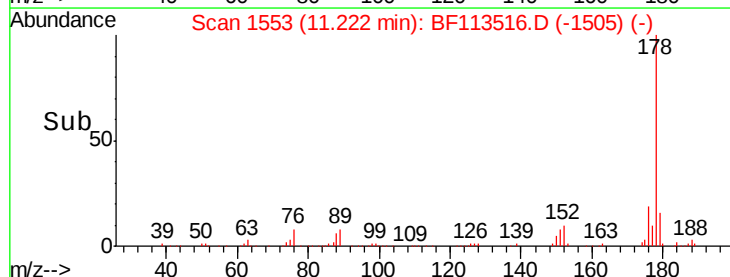
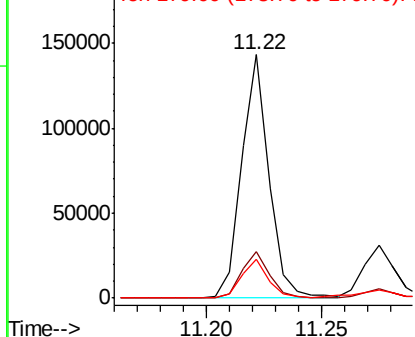


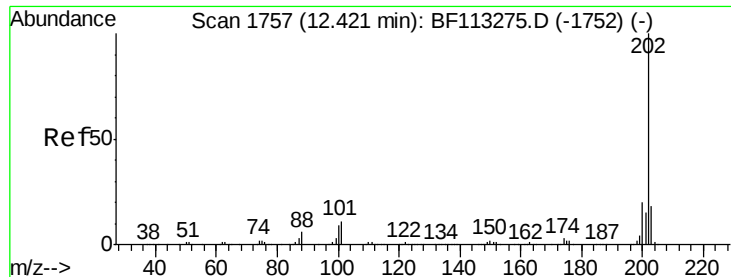
#71
 Phenanthrene
 Concen: 5.590 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF113516.D
 Acq: 2 Apr 2019 20:14

Tgt Ion:178 Resp: 118701
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.2
 179 15.7 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





#75

Fluoranthene

Concen: 4.878 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113516.D

Acq: 2 Apr 2019 20:14

Instrument :

BNA_F

ClientSampleId :

TP-6D

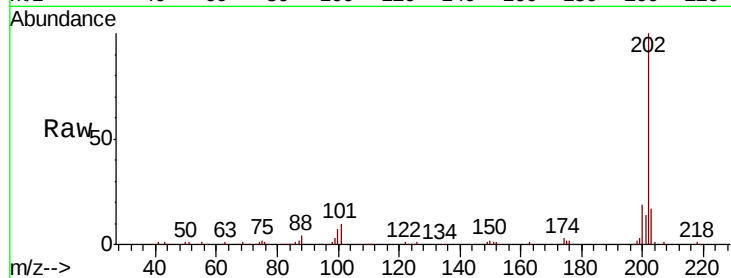
Tgt Ion:202 Resp: 117093

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

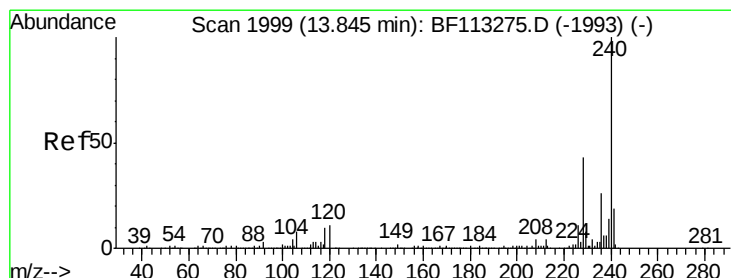
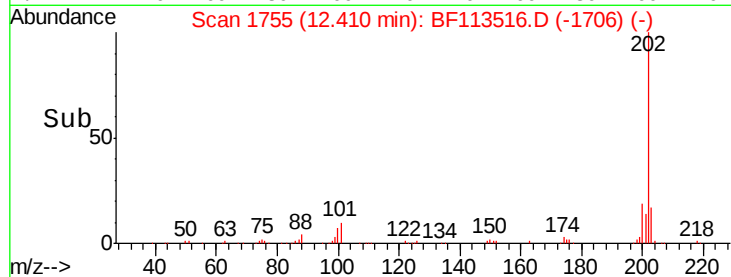
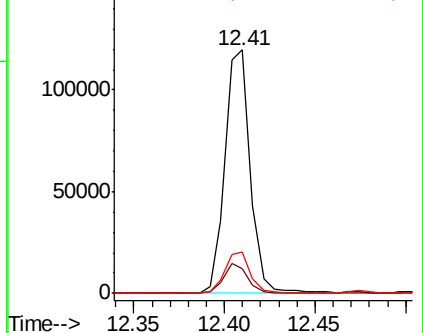
203 17.2 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113516.D

Acq: 2 Apr 2019 20:14

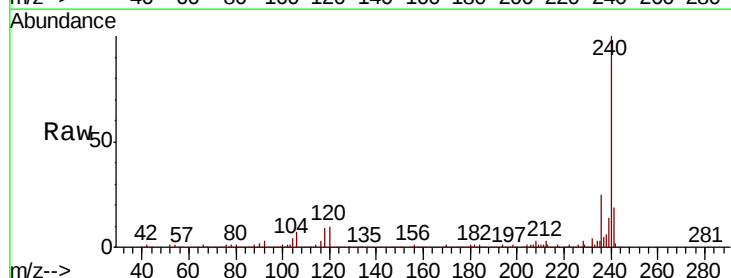
Tgt Ion:240 Resp: 337929

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

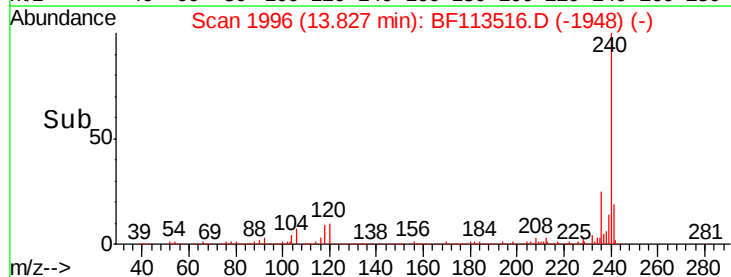
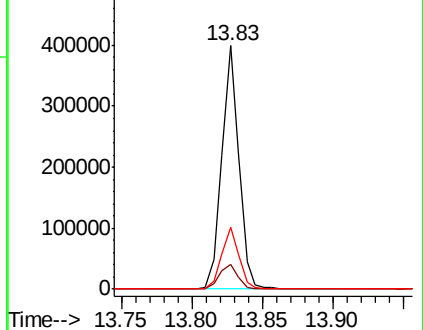
236 25.4 20.9 31.3

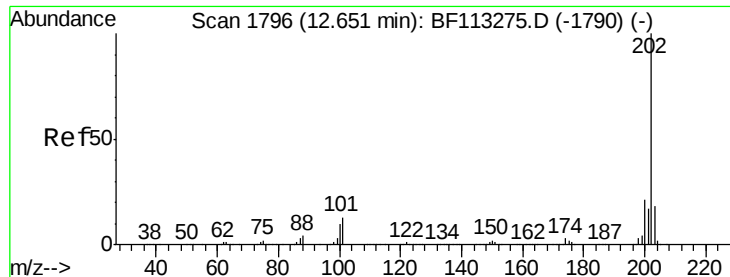


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

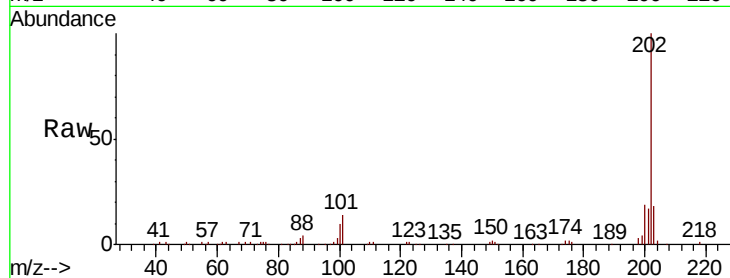




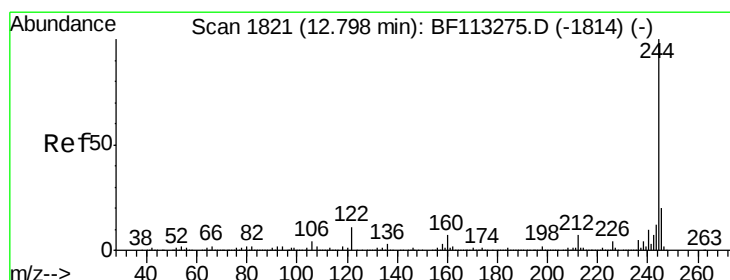
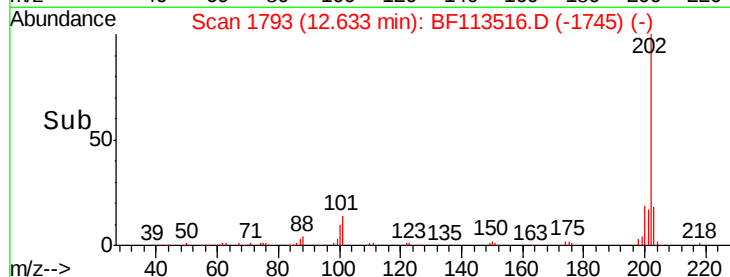
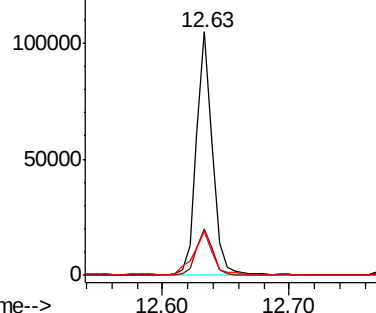
#78
Pyrene
Concen: 3.949 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Instrument :
BNA_F
ClientSampleId :
TP-6D

Tgt Ion: 202 Resp: 92472
Ion Ratio Lower Upper
202 100
200 19.3 16.8 25.2
203 17.9 14.4 21.6

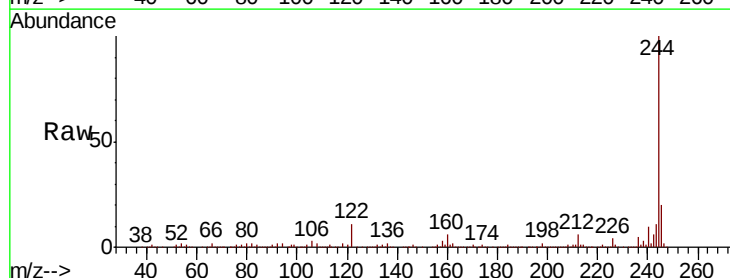


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

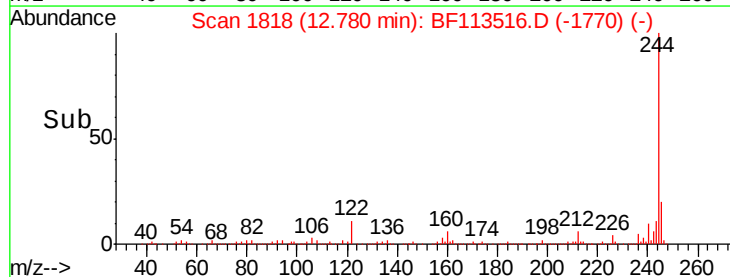
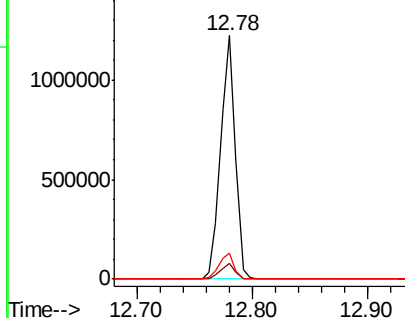


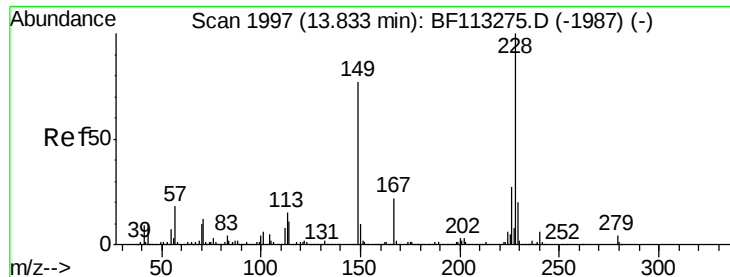
#79
Terphenyl-d14
Concen: 70.509 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Tgt Ion: 244 Resp: 1080992
Ion Ratio Lower Upper
244 100
212 6.5 5.5 8.3
122 10.6 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.418 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113516.D

Acq: 2 Apr 2019 20:14

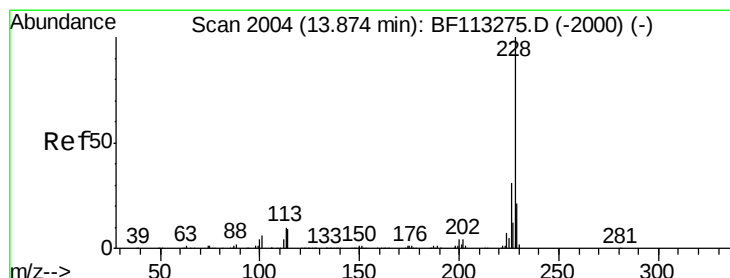
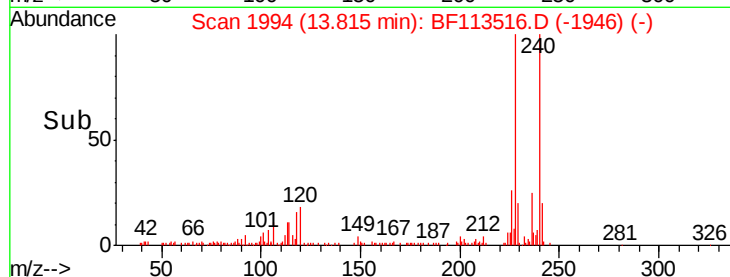
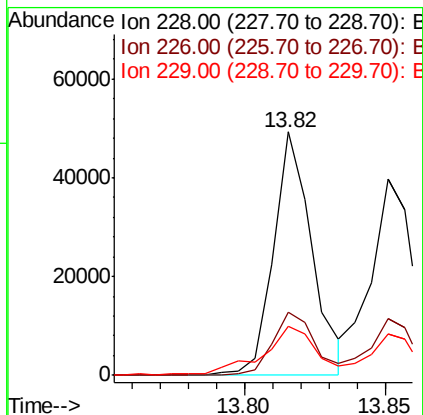
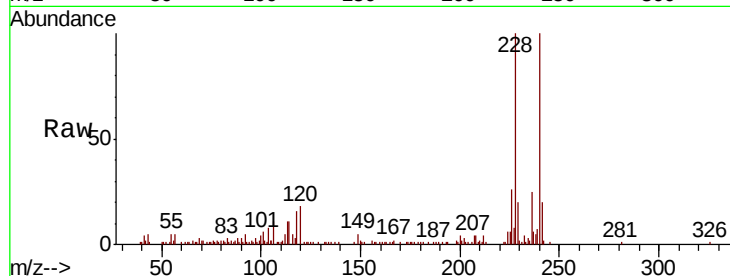
Instrument :

BNA_F

ClientSampleId :

TP-6D

Tgt Ion:	228	Resp:	46765
Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.8	32.8
229	20.1	16.2	24.4



#83

Chrysene

Concen: 2.148 ng

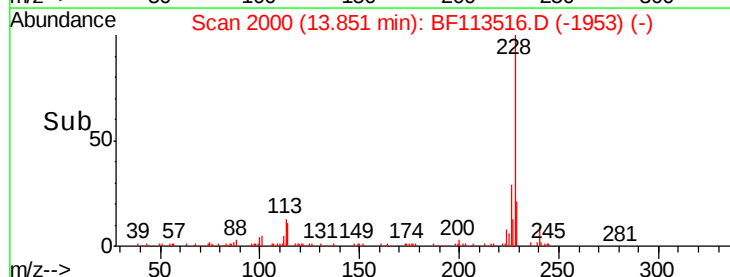
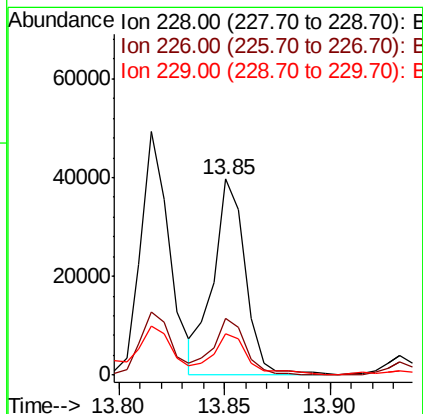
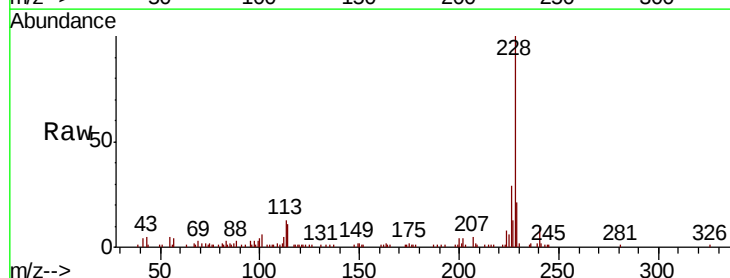
RT: 13.85 min Scan# 2000

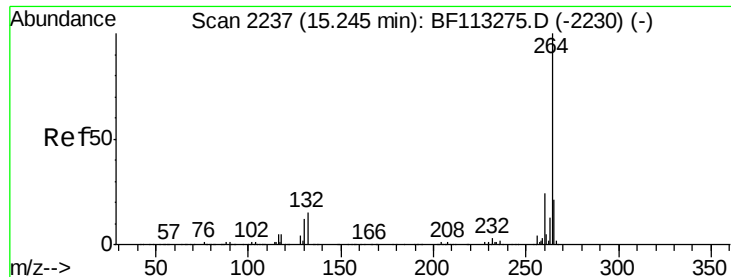
Delta R.T. -0.02 min

Lab File: BF113516.D

Acq: 2 Apr 2019 20:14

Tgt Ion:	228	Resp:	42208
Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.3	36.5
229	21.3	16.3	24.5

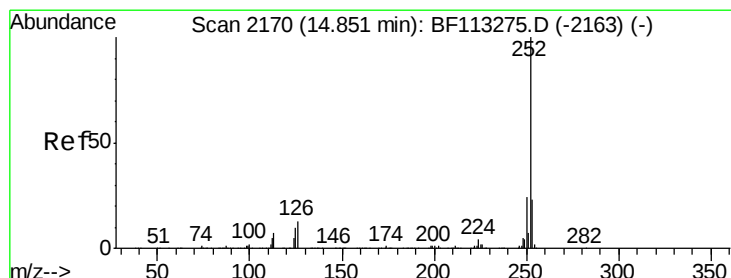
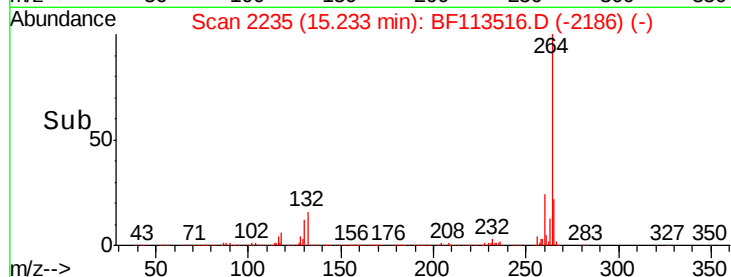
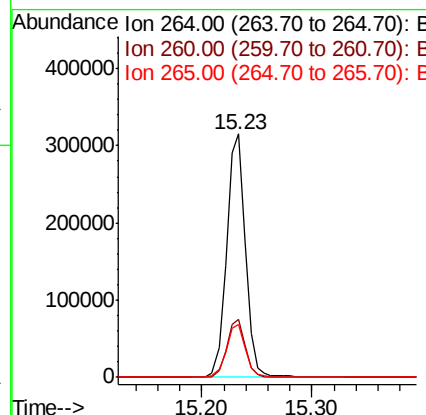
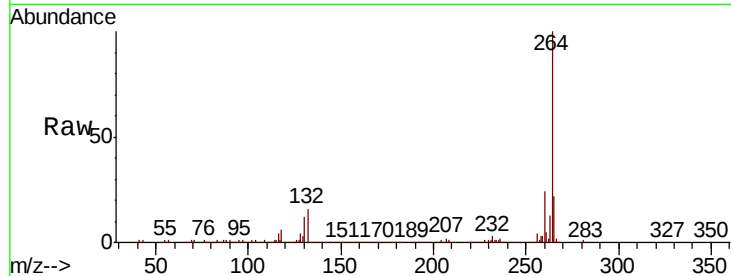




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

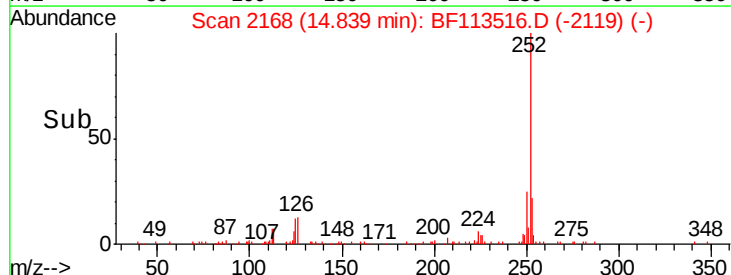
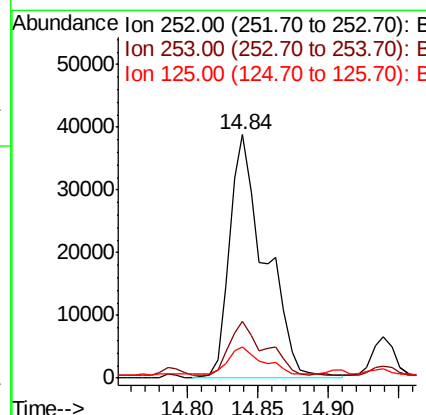
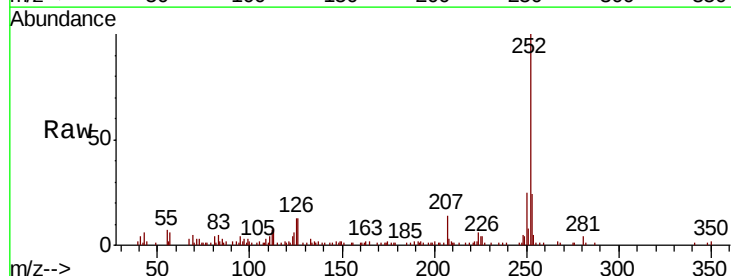
Instrument :
BNA_F
ClientSampleId :
TP-6D

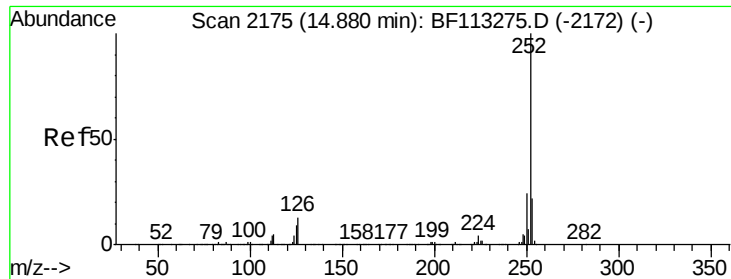
Tgt Ion:264 Resp: 374214
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 21.7 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 2.944 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113516.D
Acq: 2 Apr 2019 20:14

Tgt Ion:252 Resp: 68428
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 13.0 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 3.352 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF113516.D

Acq: 2 Apr 2019 20:14

Instrument :

BNA_F

ClientSampleId :

TP-6D

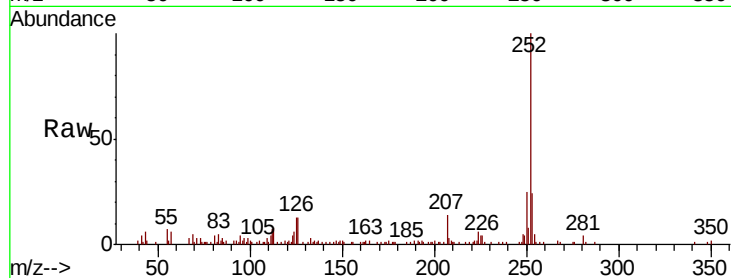
Tgt Ion:252 Resp: 68428

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 13.0 7.3 10.9#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

