

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113518.D
 Acq On : 2 Apr 2019 21:12
 Operator : JU/SJ
 Sample : K2182-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7C(2-10)COMP

Quant Time: Apr 03 01:03:45 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	136600	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	502019	20.00	ng	-0.02
39) Acenaphthene-d10	9.72	164	236216	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	433268	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	337704	20.00	ng	-0.02
87) Perylene-d12	15.23	264	363566	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	999583	119.65	ng	0.00
7) Phenol-d6	6.35	99	1273241	120.48	ng	-0.01
23) Nitrobenzene-d5	7.26	82	769167	90.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	350306	120.06	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1362202	91.80	ng	-0.02
79) Terphenyl-d14	12.78	244	1229038	80.22	ng	-0.02

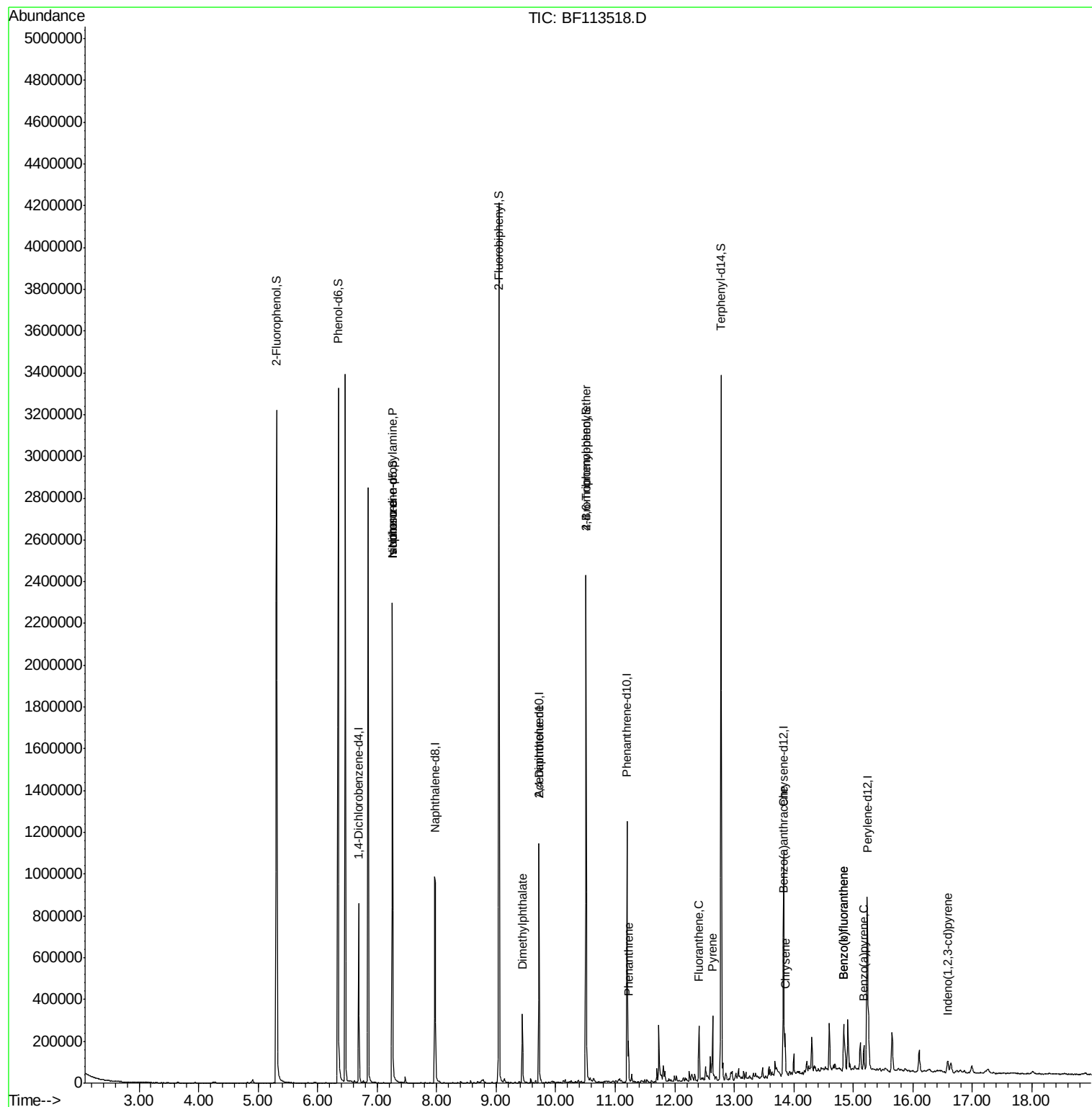
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	99901	15.049	ng	# 75
25) Isophorone	7.26	82	769160	46.925	ng	# 64
50) Dimethylphthalate	9.44	163	125984	7.197	ng	99
57) 2,4-Dinitrotoluene	9.72	165	29945	5.963	ng	# 23
67) 4-Bromophenyl-phenylether	10.51	248	20211	4.280	ng	# 1
71) Phenanthrene	11.22	178	72336	3.362	ng	98
75) Fluoranthene	12.40	202	110317	4.535	ng	99
78) Pyrene	12.63	202	123280	5.268	ng	98
81) Benzo(a)anthracene	13.82	228	66975	3.465	ng	98
83) Chrysene	13.85	228	81120	4.131	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	33859	2.009	ng	99
88) Benzo(b)fluoranthene	14.84	252	141817	6.279	ng	98
89) Benzo(k)fluoranthene	14.84	252	141817	7.150	ng	99
90) Benzo(a)pyrene	15.17	252	51777	2.586	ng	99

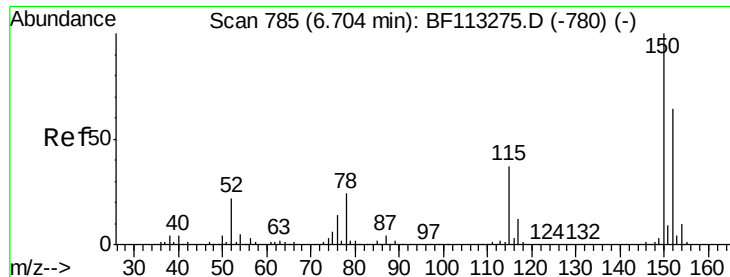
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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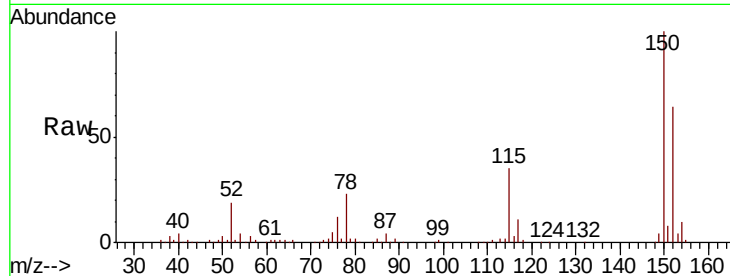


#1

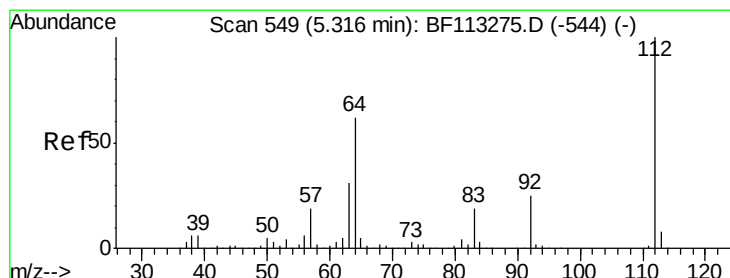
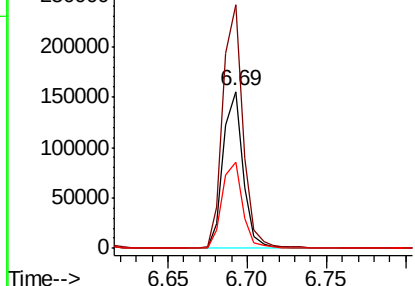
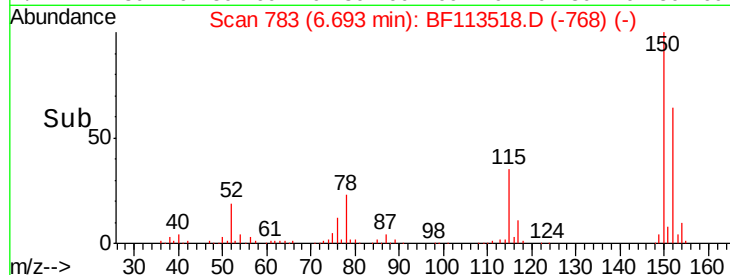
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF113518.D
 Acq: 2 Apr 2019 21:12

Instrument :
 BNA_F
 ClientSampleId :
 S7C(2-10)COMP

Tgt Ion:152 Resp: 136600
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.7 187.1
 115 55.1 46.0 69.0



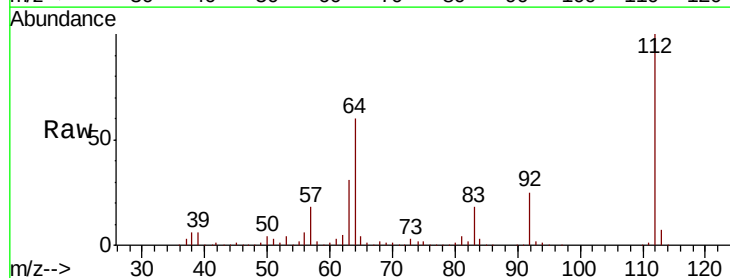
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



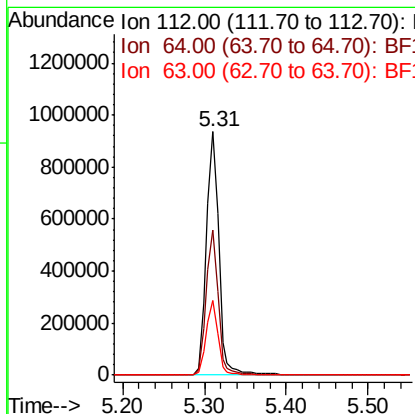
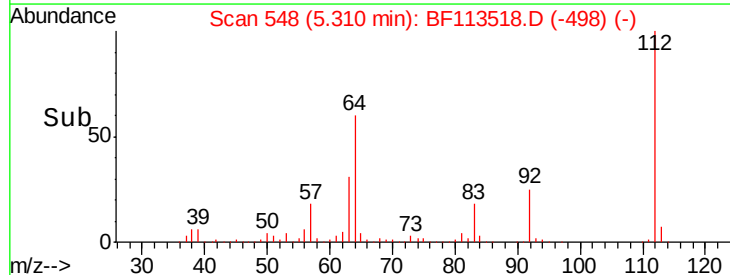
#5

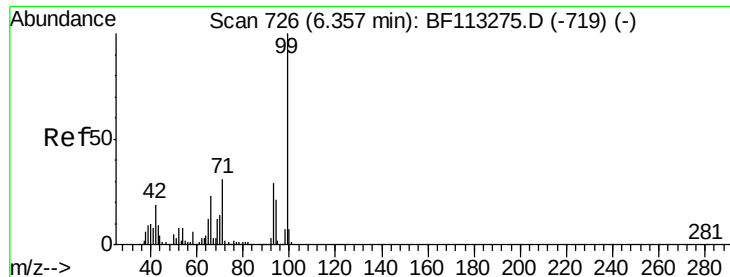
2-Fluorophenol
 Concen: 119.651 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF113518.D
 Acq: 2 Apr 2019 21:12

Tgt Ion:112 Resp: 999583
 Ion Ratio Lower Upper
 112 100
 64 59.8 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: 120.476 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

Instrument :

BNA_F

ClientSampleId :

S7C(2-10)COMP

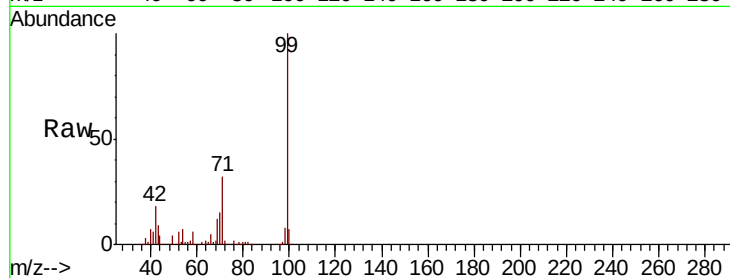
Tgt Ion: 99 Resp: 1273241

Ion Ratio Lower Upper

99 100

42 18.0 14.8 22.2

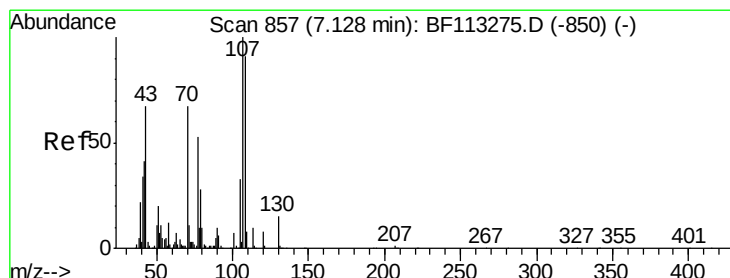
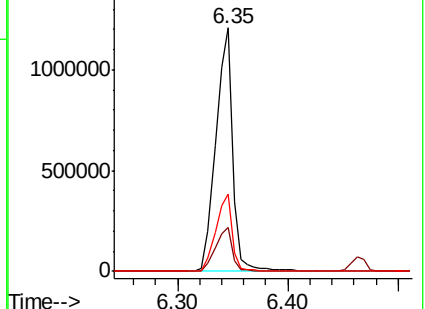
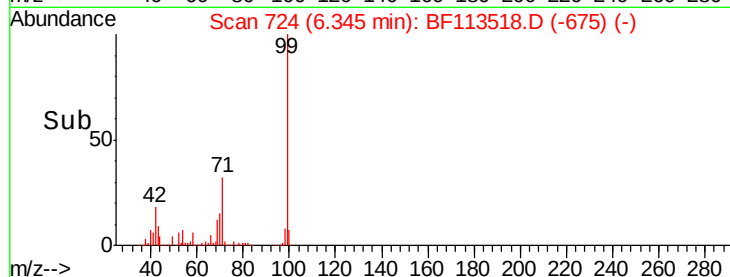
71 31.7 24.9 37.3



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: 15.049 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

Tgt Ion: 70 Resp: 99901

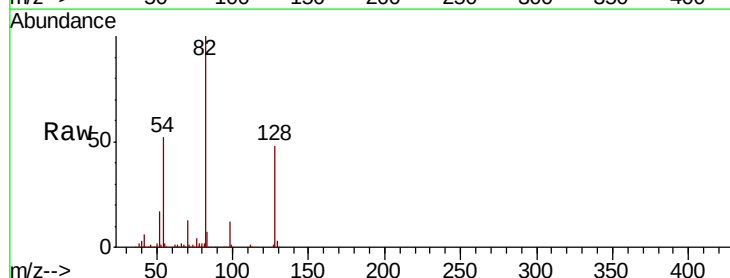
Ion Ratio Lower Upper

70 100

42 47.2 48.4 72.6#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#

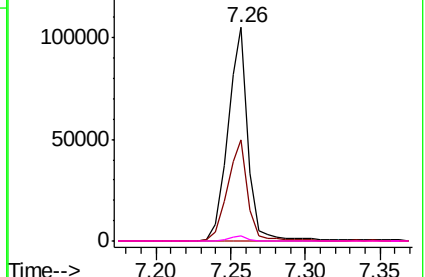
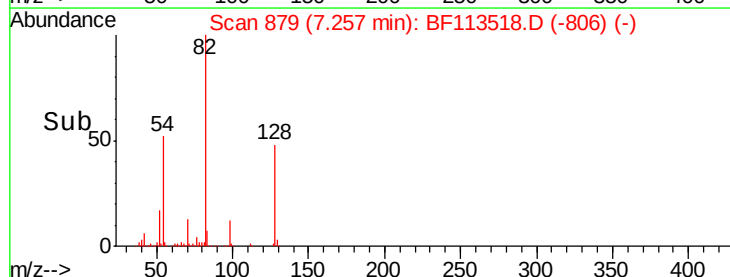


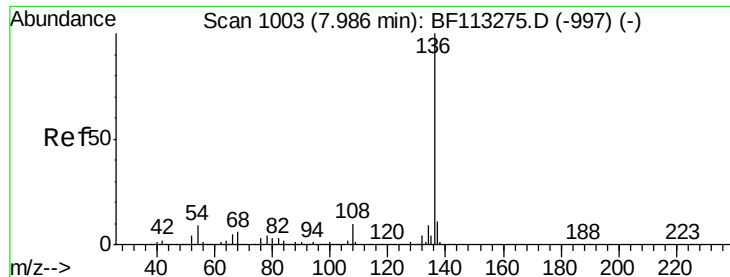
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

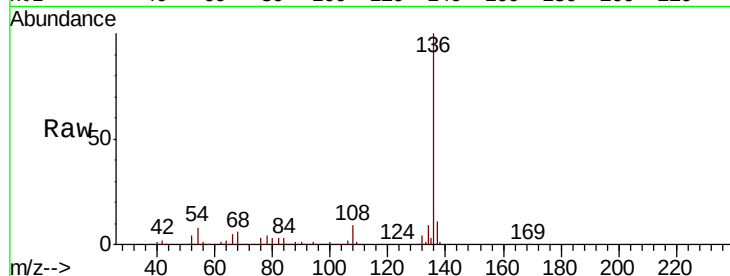




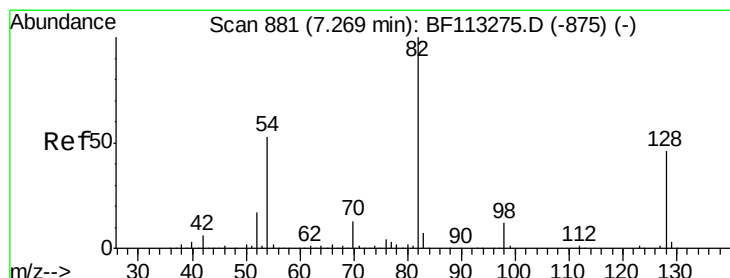
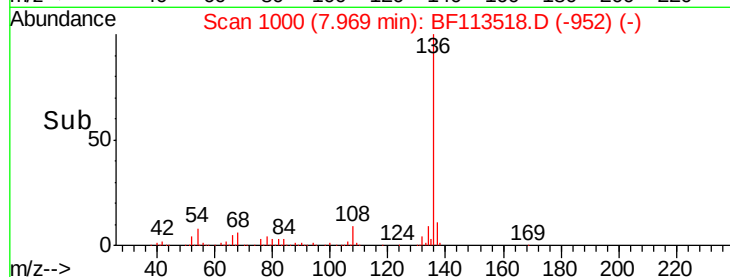
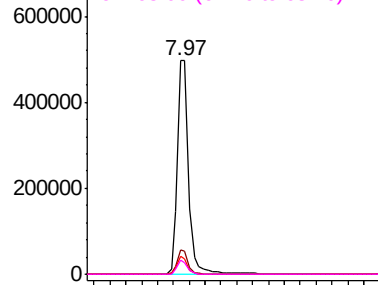
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Instrument :
BNA_F
ClientSampleId :
S7C(2-10)COMP

Tgt Ion:	136	Resp:	502019
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.5	7.0	10.6
68	6.3	4.8	7.2

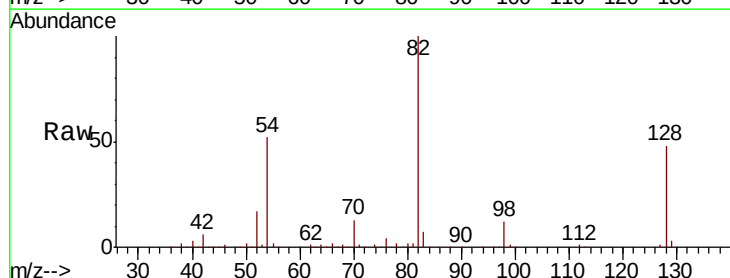


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

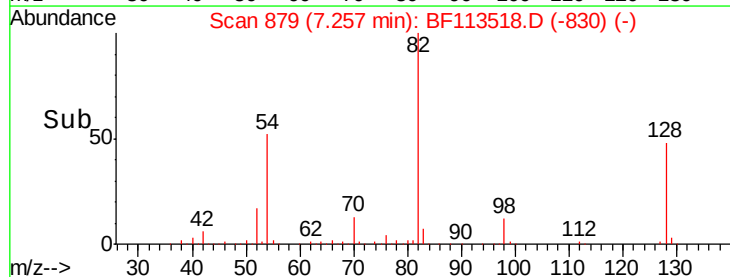
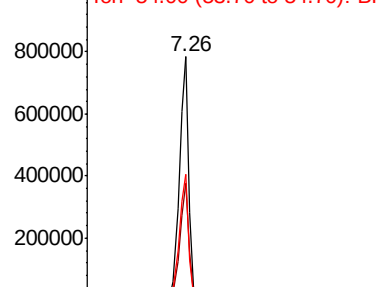


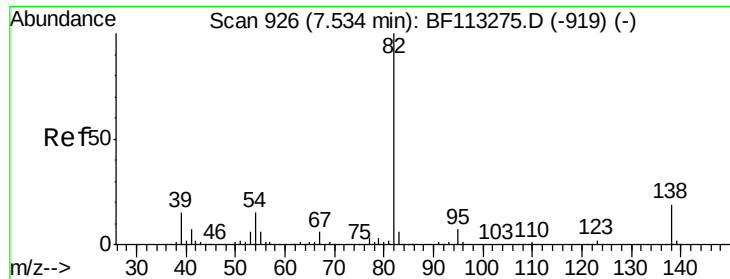
#23
Nitrobenzene-d5
Concen: 90.939 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Tgt Ion:	82	Resp:	769167
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.5	54.7
54	51.6	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: 46.925 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

Instrument :

BNA_F

ClientSampleId :

S7C(2-10)COMP

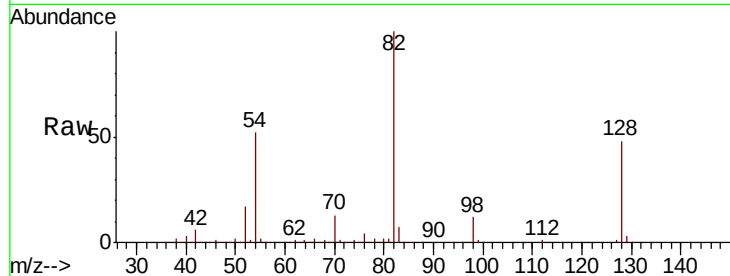
Tgt Ion: 82 Resp: 769160

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

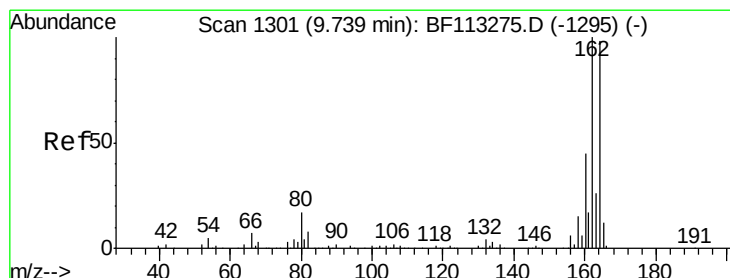
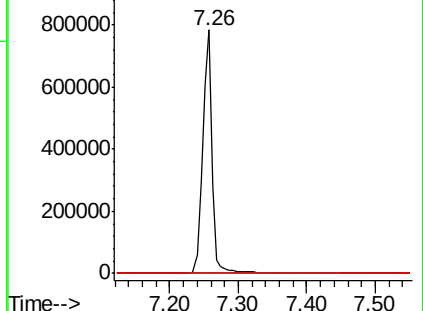
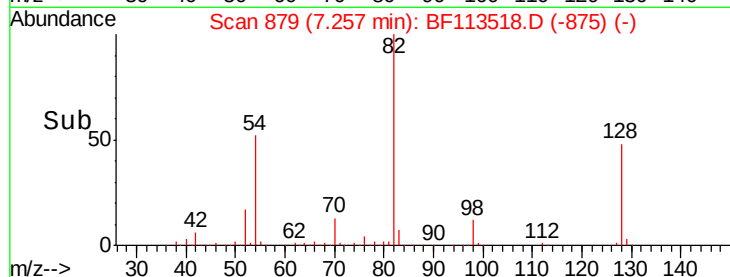
138 0.0 15.2 22.8#



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: BF113518.D

Acq: 2 Apr 2019 21:12

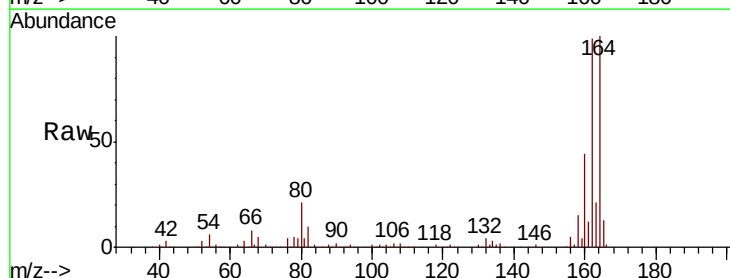
Tgt Ion: 164 Resp: 236216

Ion Ratio Lower Upper

164 100

162 99.4 81.8 122.6

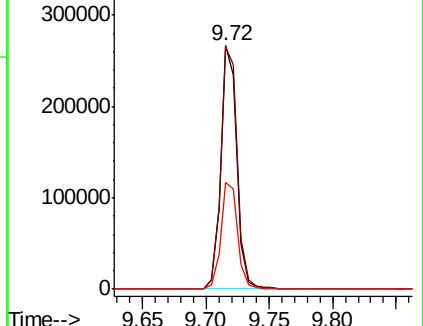
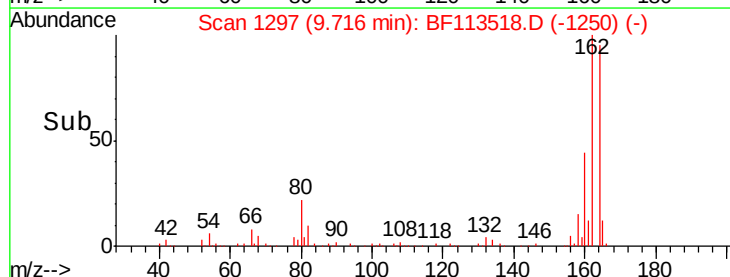
160 43.9 36.4 54.6

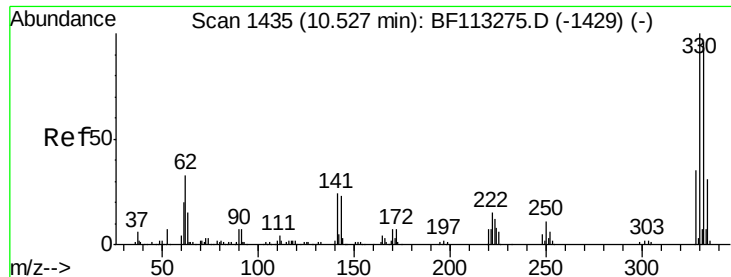


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

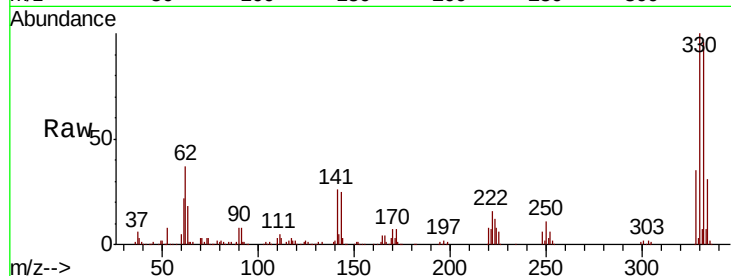




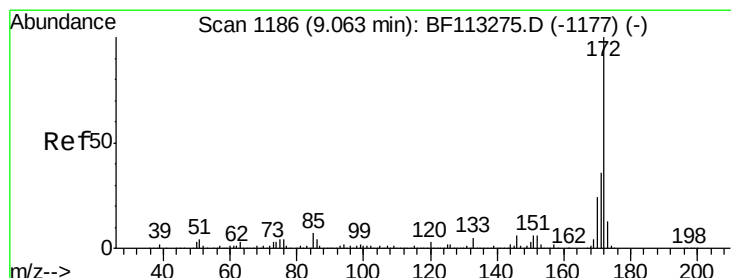
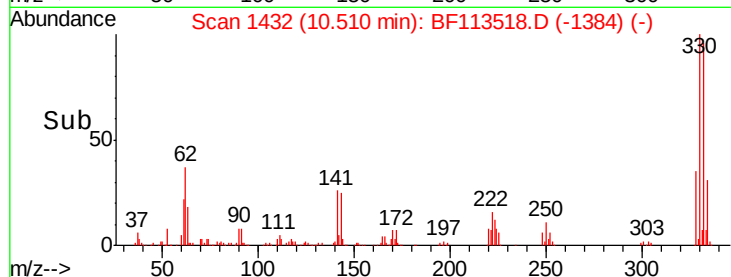
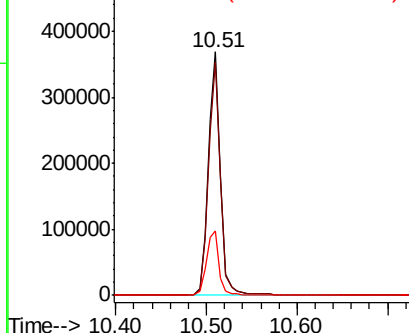
#42
 2,4,6-Tribromophenol
 Concen: 120.058 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF113518.D
 Acq: 2 Apr 2019 21:12

Instrument :
 BNA_F
 ClientSampleId :
 S7C(2-10)COMP

Tgt Ion:330 Resp: 350306
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.8 116.6
 141 27.8 22.7 34.1

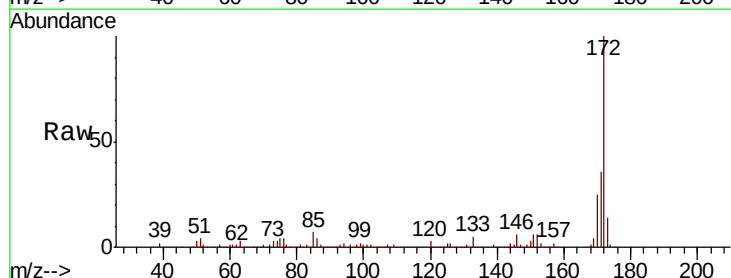


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

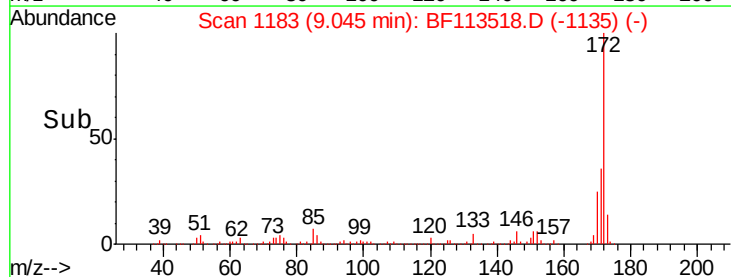
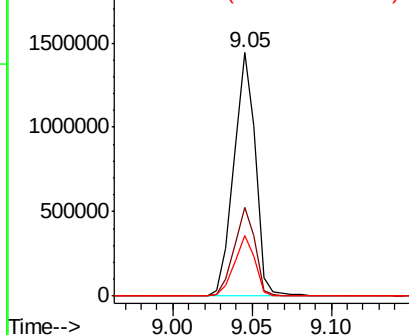


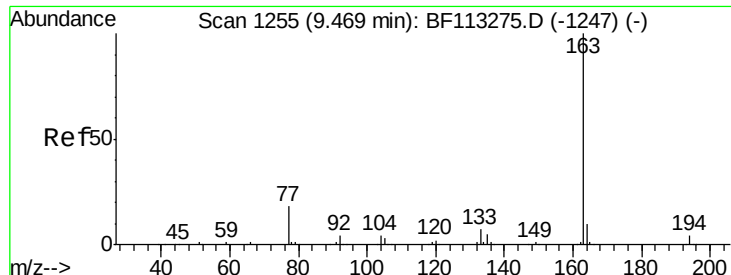
#45
 2-Fluorobiphenyl
 Concen: 91.796 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF113518.D
 Acq: 2 Apr 2019 21:12

Tgt Ion:172 Resp: 1362202
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.6 19.5 29.3



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

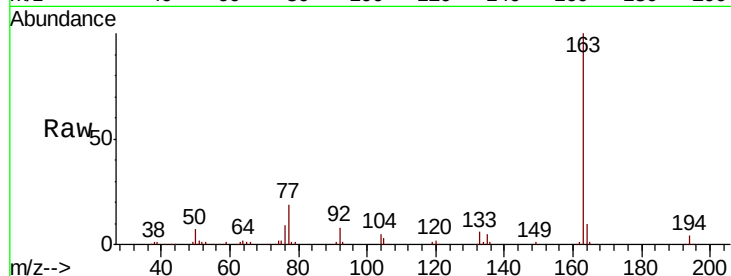




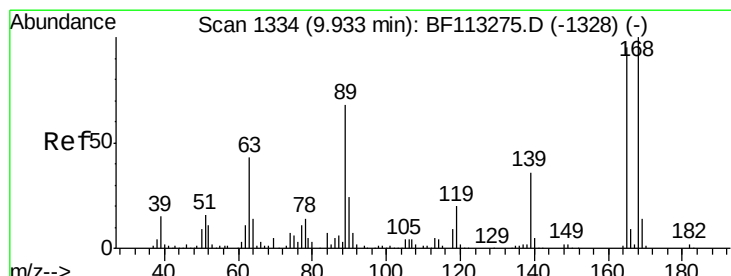
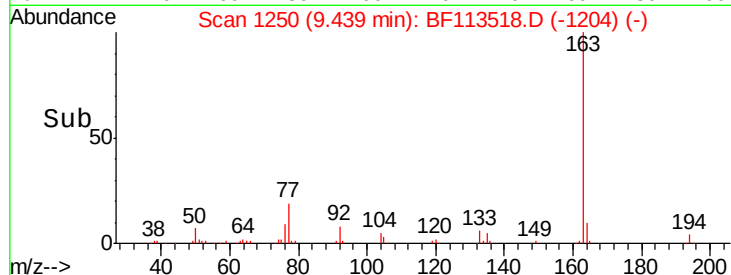
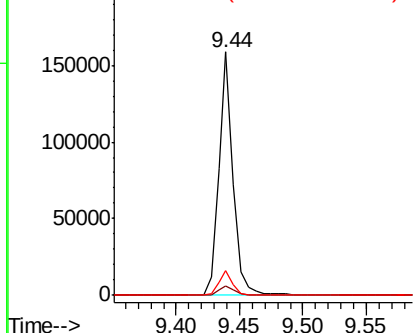
#50
Dimethylphthalate
Concen: 7.197 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Instrument :
BNA_F
ClientSampleId :
S7C(2-10)COMP

Tgt Ion:163 Resp: 125984
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.9 8.1 12.1

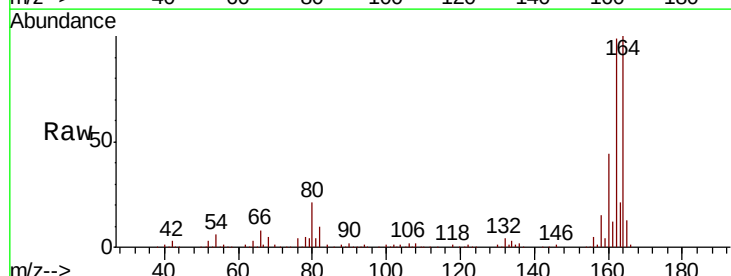


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

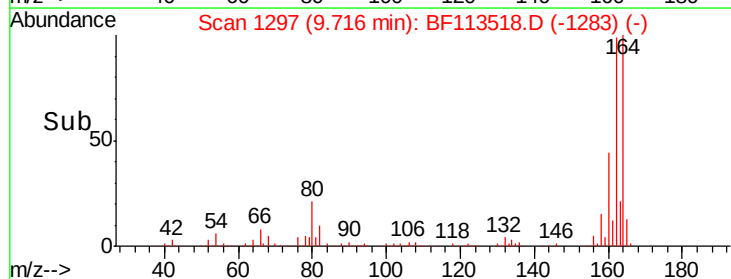
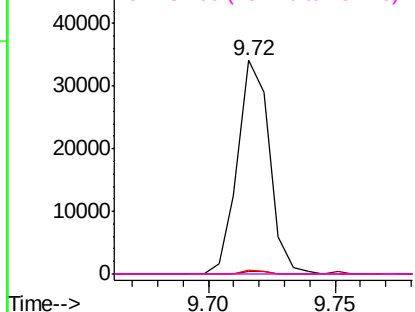


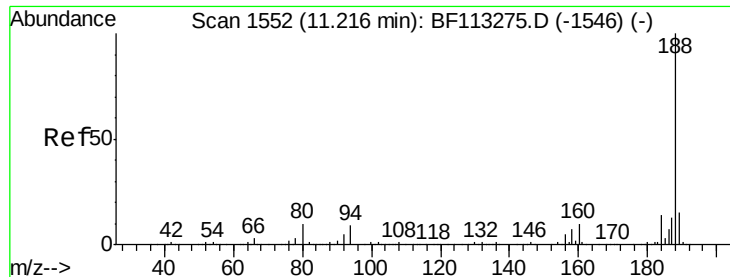
#57
2,4-Dinitrotoluene
Concen: 5.963 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.22 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Tgt Ion:165 Resp: 29945
Ion Ratio Lower Upper
165 100
63 1.0 37.5 56.3#
89 1.6 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

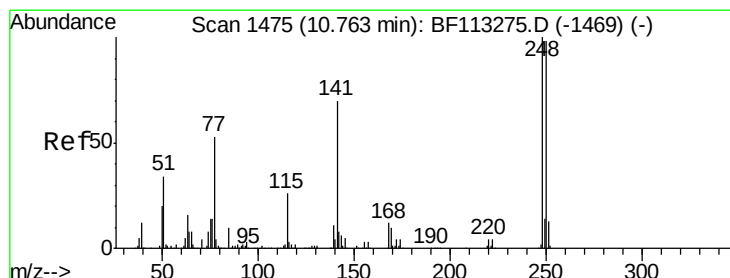
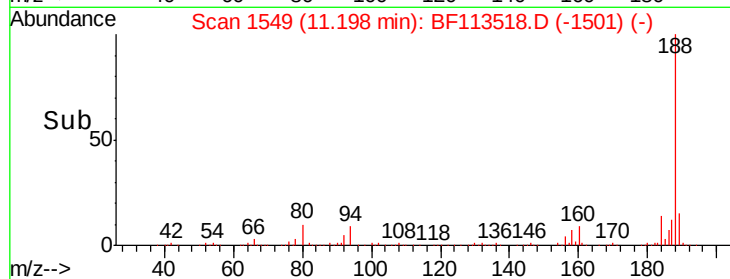
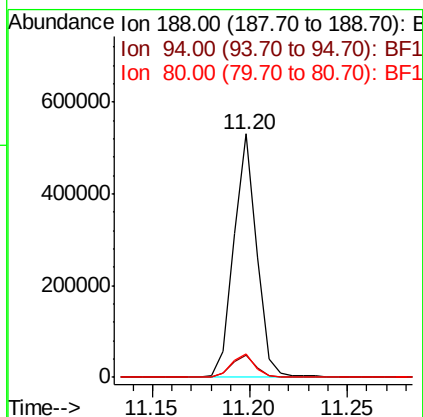
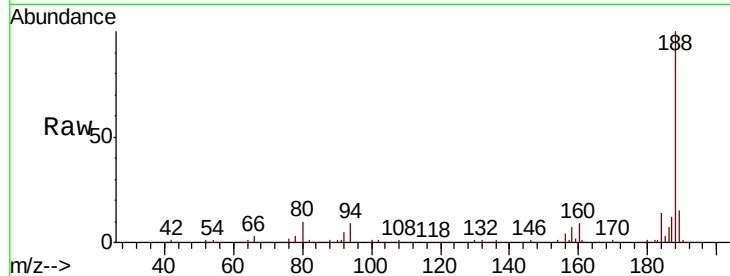




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF113518.D
 Acq: 2 Apr 2019 21:12

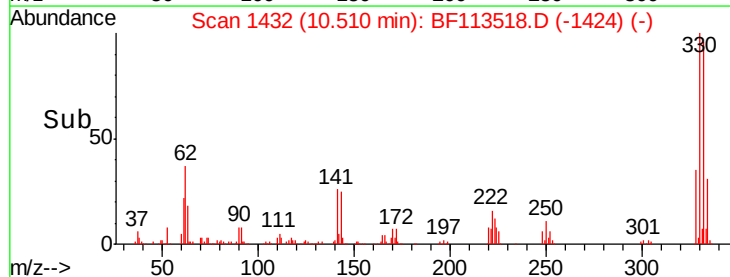
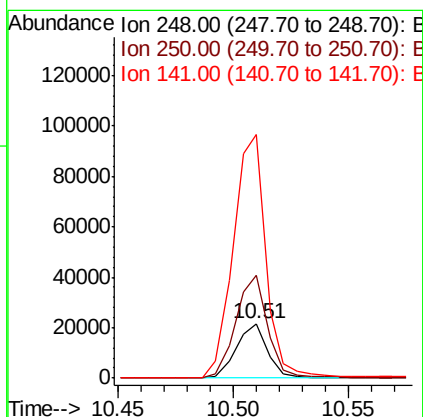
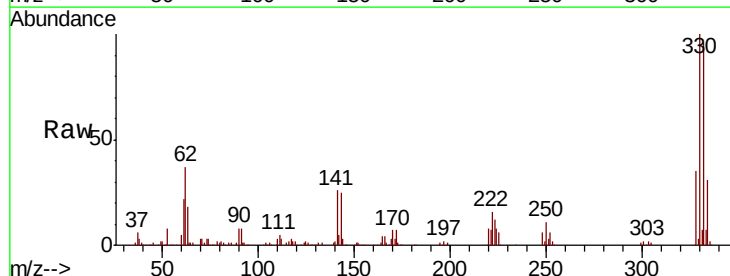
Instrument :
 BNA_F
 ClientSampleId :
 S7C(2-10)COMP

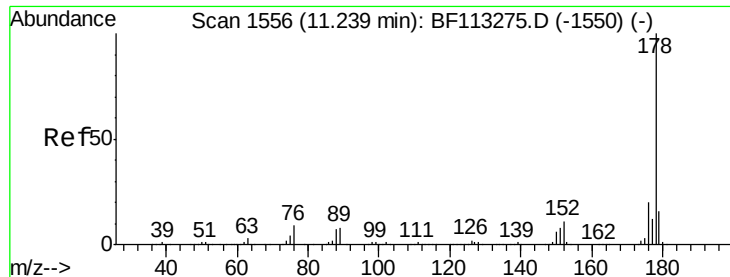
Tgt Ion:188 Resp: 433268
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.0 10.6
 80 9.5 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 4.280 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF113518.D
 Acq: 2 Apr 2019 21:12

Tgt Ion:248 Resp: 20211
 Ion Ratio Lower Upper
 248 100
 250 189.7 78.3 117.5#
 141 448.1 56.2 84.4#





#71

Phenanthrene

Concen: 3.362 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

Instrument :

BNA_F

ClientSampleId :

S7C(2-10)COMP

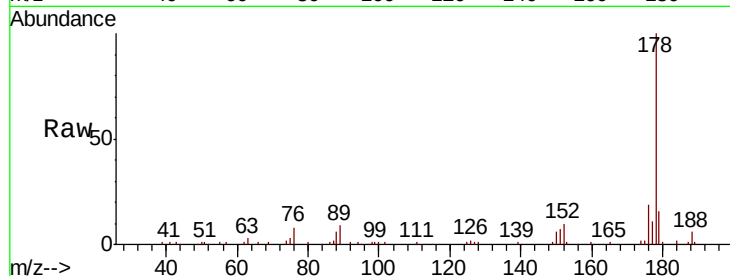
Tgt Ion:178 Resp: 72336

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.2

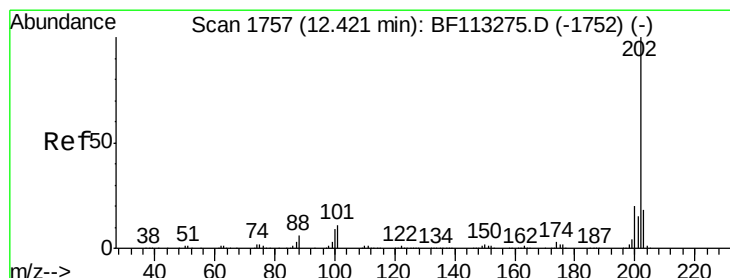
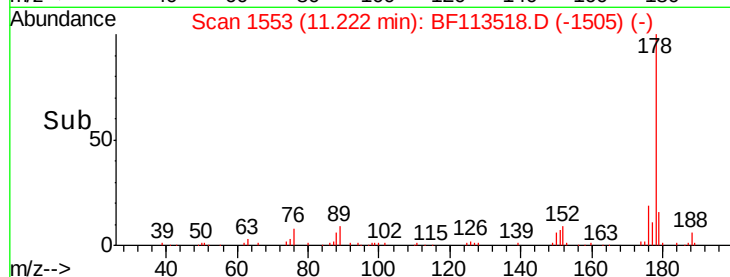
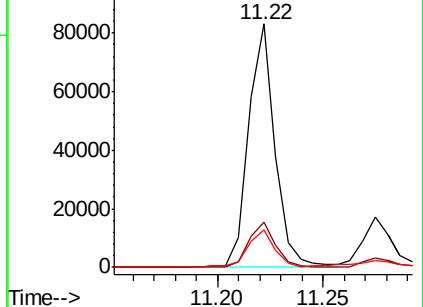
179 15.7 12.7 19.1



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: 4.535 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

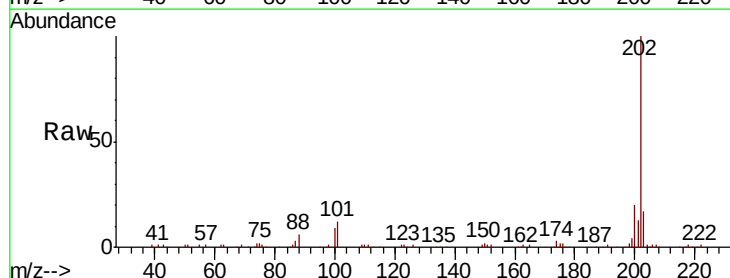
Tgt Ion:202 Resp: 110317

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.4

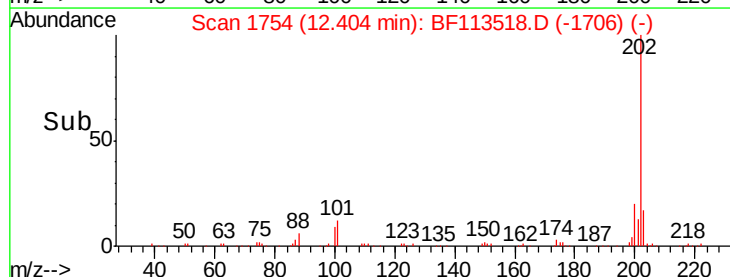
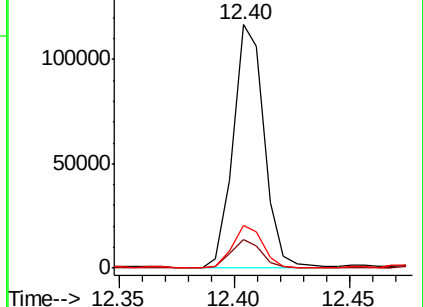
203 17.3 0.0 38.0

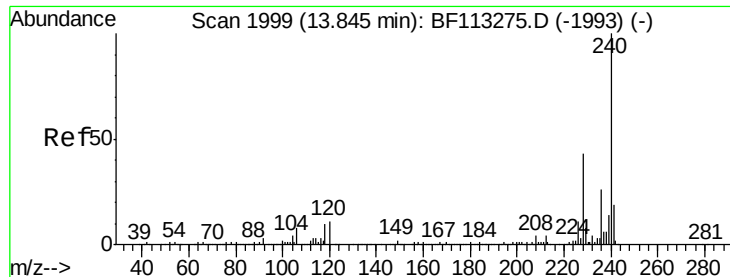


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

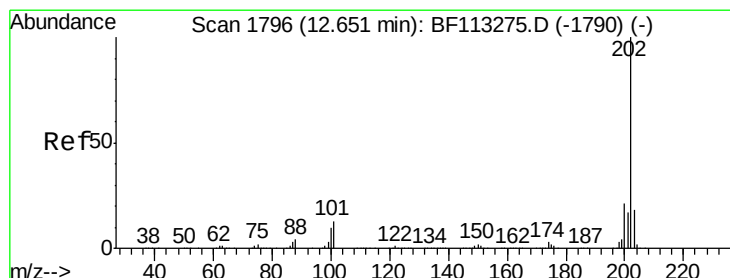
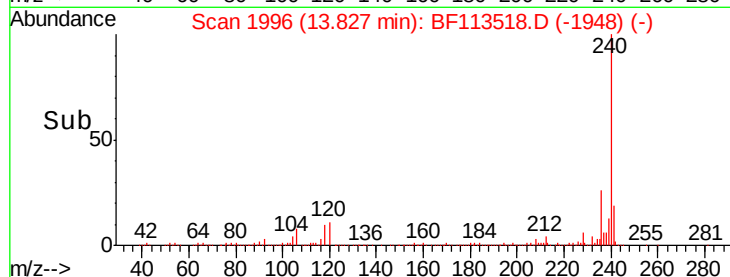
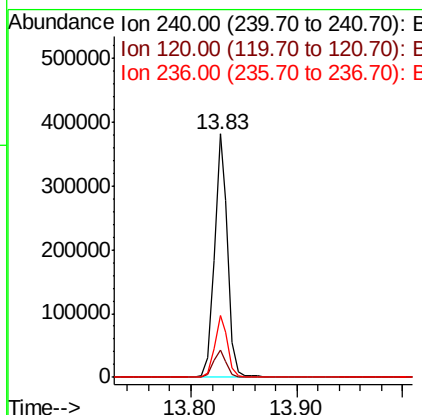
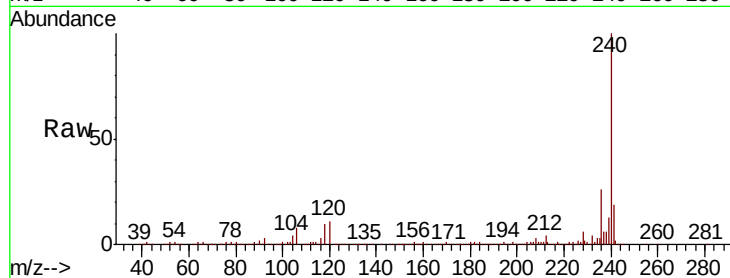




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

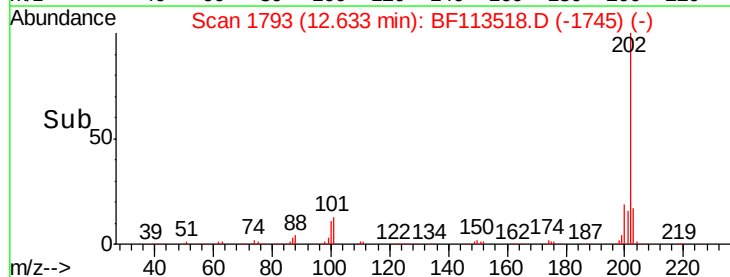
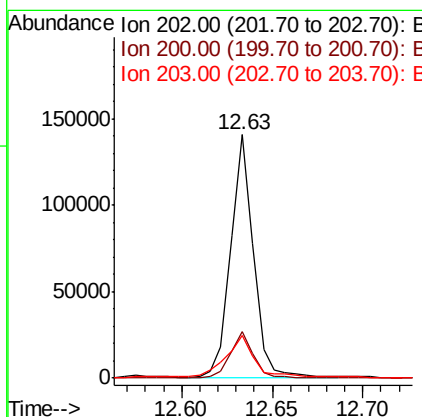
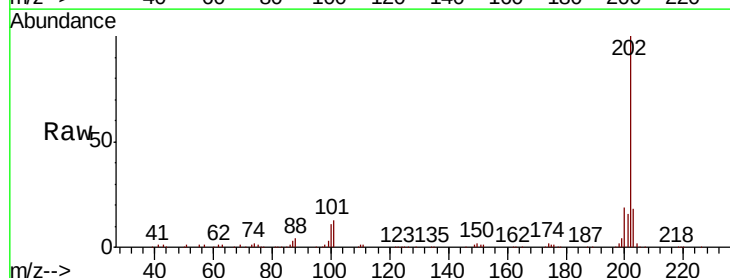
Instrument :
BNA_F
ClientSampleId :
S7C(2-10)COMP

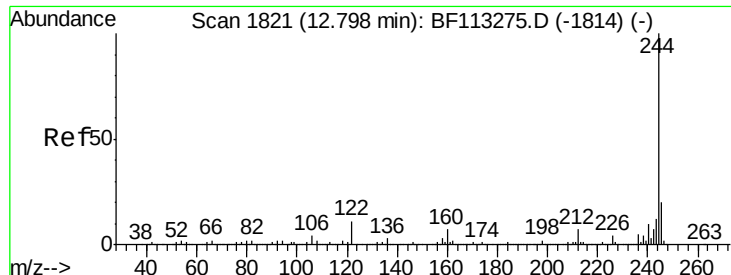
Tgt Ion:240 Resp: 337704
Ion Ratio Lower Upper
240 100
120 11.3 8.8 13.2
236 25.5 20.9 31.3



#78
Pyrene
Concen: 5.268 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Tgt Ion:202 Resp: 123280
Ion Ratio Lower Upper
202 100
200 19.4 16.8 25.2
203 17.6 14.4 21.6





#79

Terphenyl-d14

Concen: 80.218 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

Instrument :

BNA_F

ClientSampleId :

S7C(2-10)COMP

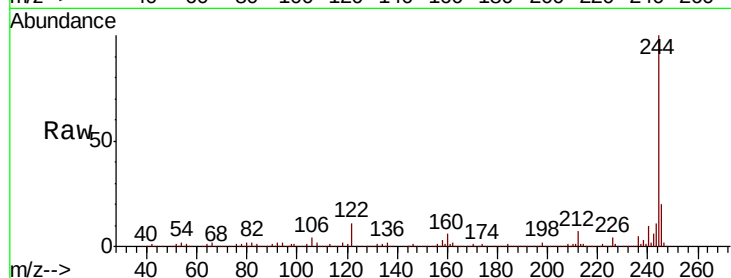
Tgt Ion:244 Resp: 1229038

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

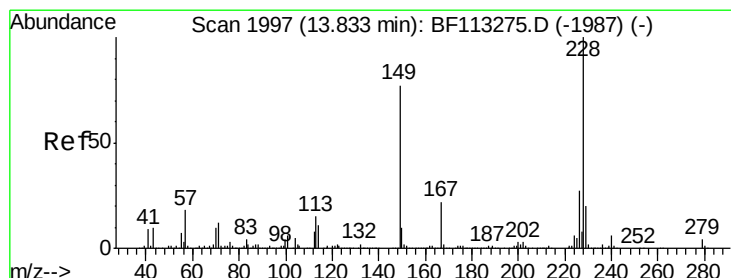
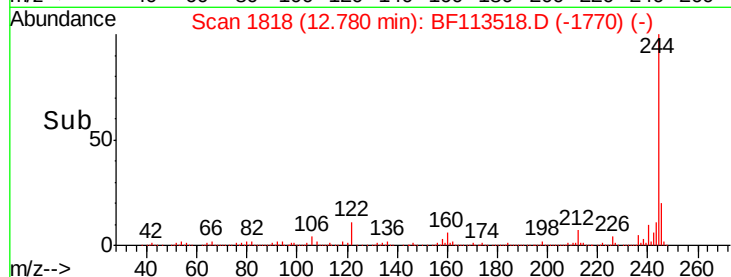
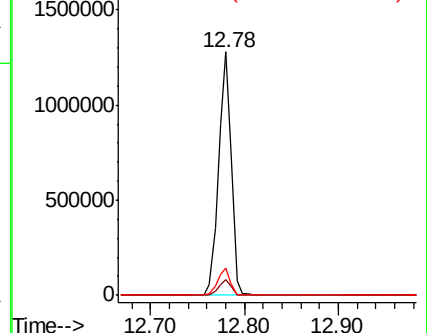
122 11.0 8.6 13.0



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: 3.465 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

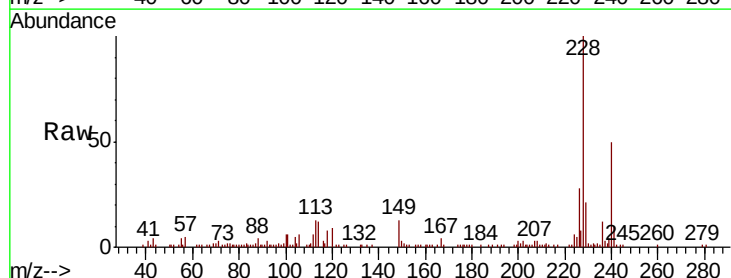
Tgt Ion:228 Resp: 66975

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

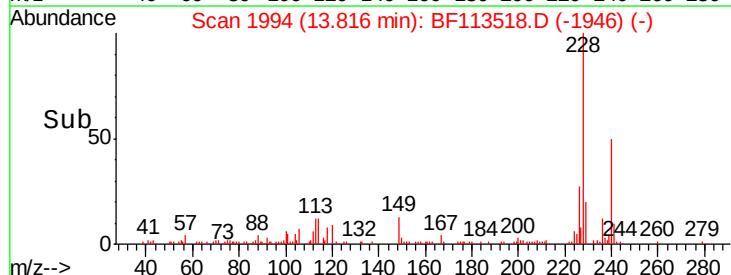
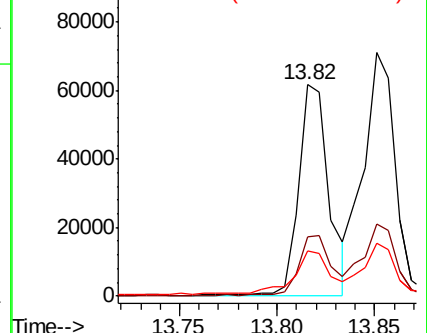
229 21.3 16.2 24.4

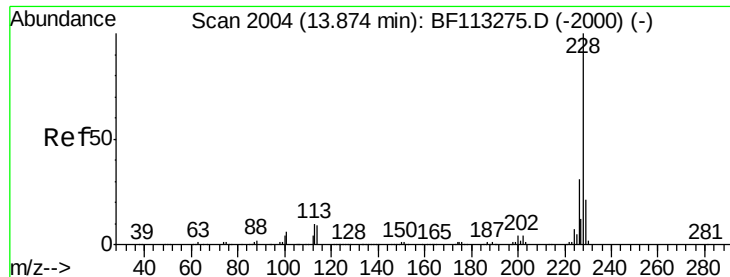


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.131 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

Instrument :

BNA_F

ClientSampleId :

S7C(2-10)COMP

Tgt Ion:228 Resp: 81120

Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

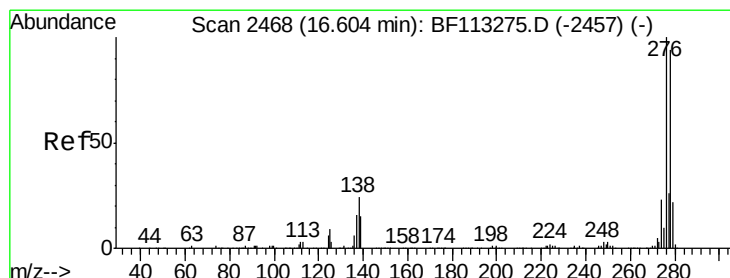
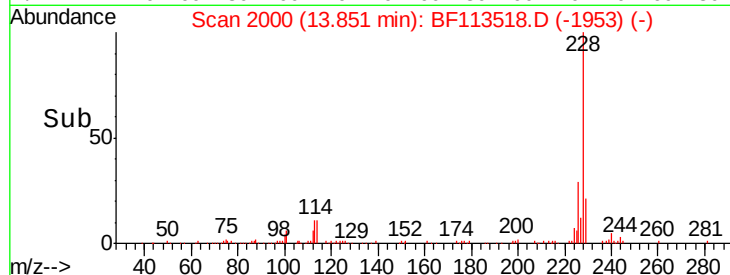
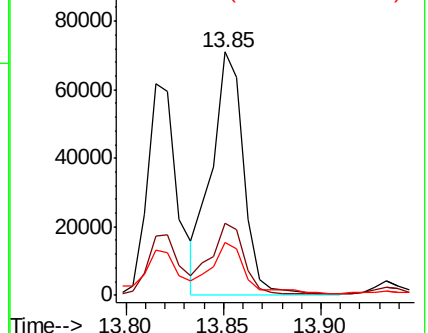
229 21.8 16.3 24.5



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: 2.009 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BF113518.D

Acq: 2 Apr 2019 21:12

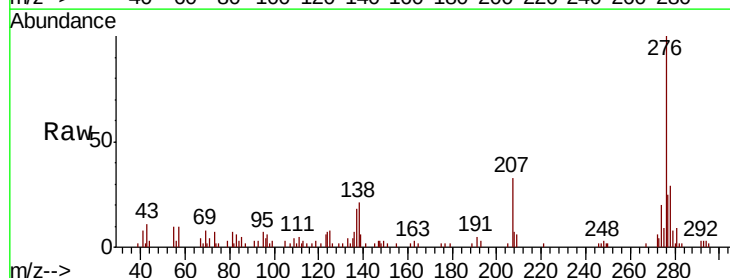
Tgt Ion:276 Resp: 33859

Ion Ratio Lower Upper

276 100

138 23.5 18.1 27.1

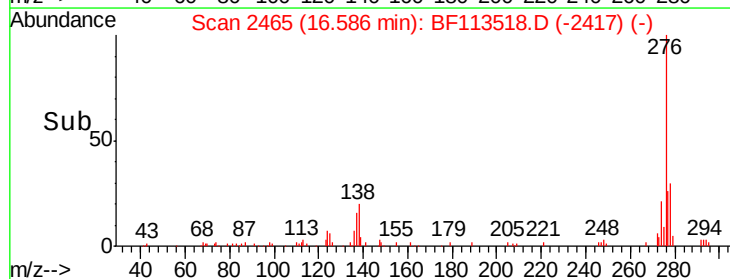
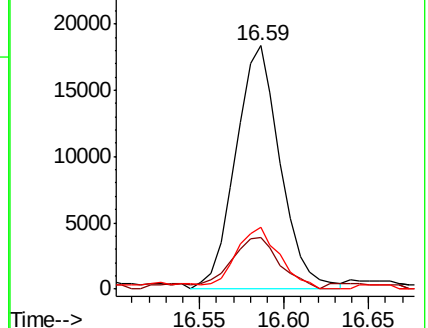
277 24.8 20.2 30.4

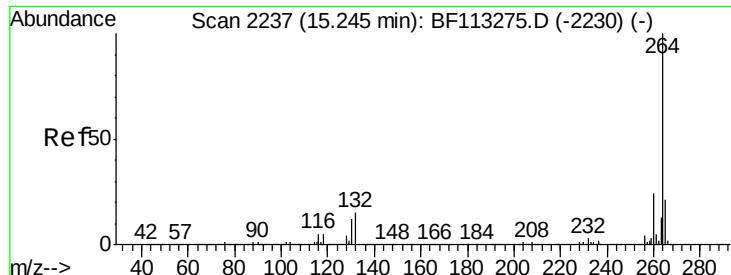


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

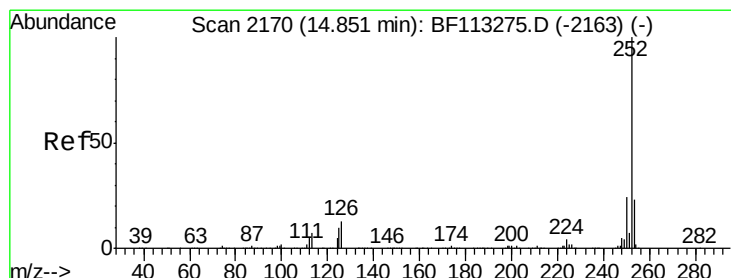
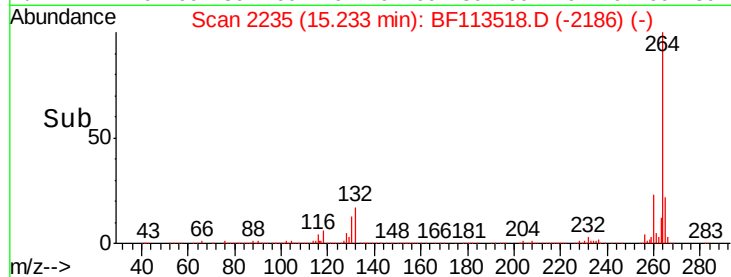
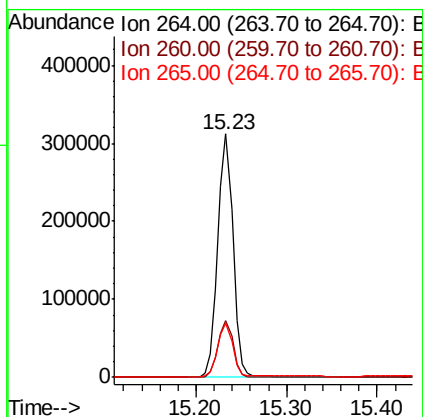
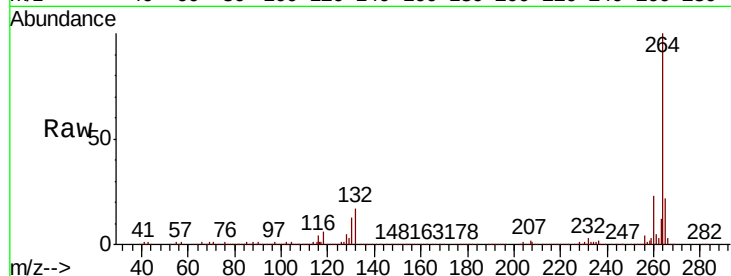




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

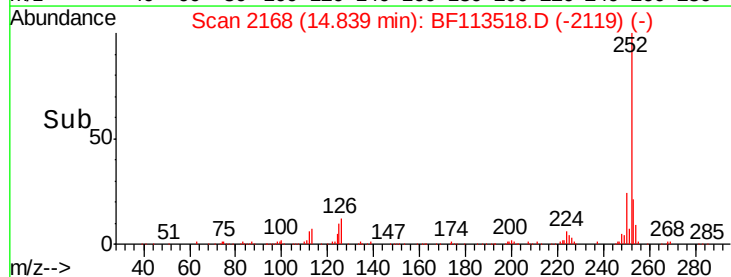
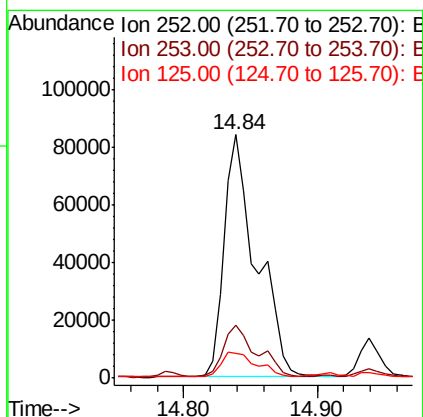
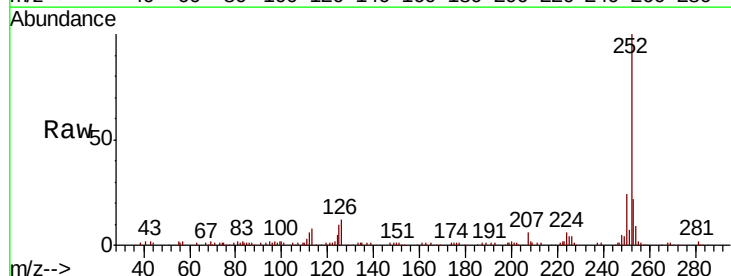
Instrument :
BNA_F
ClientSampleId :
S7C(2-10)COMP

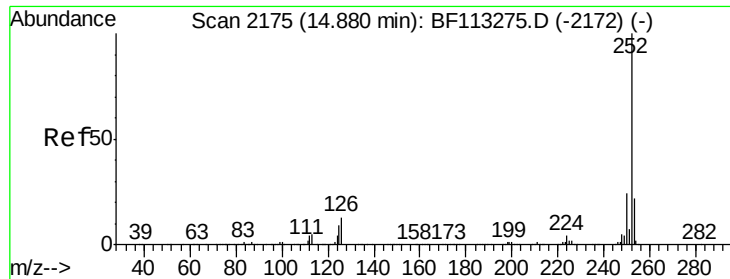
Tgt Ion:264 Resp: 363566
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 22.4 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 6.279 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Tgt Ion:252 Resp: 141817
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 10.4 7.6 11.4

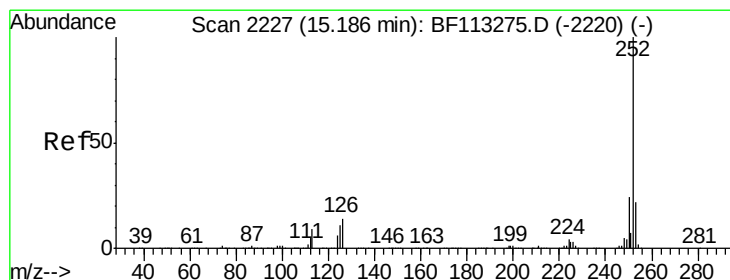
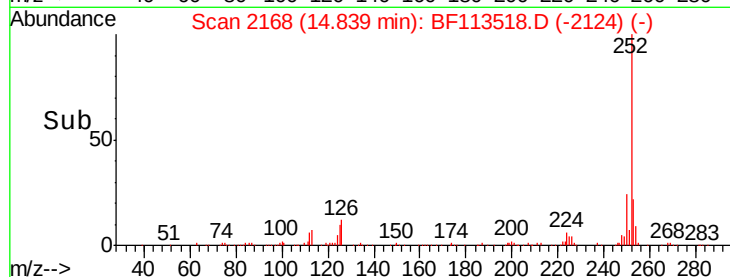
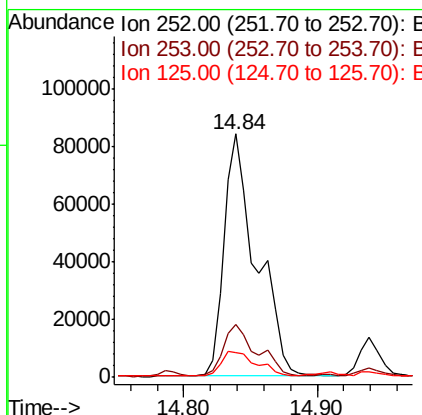
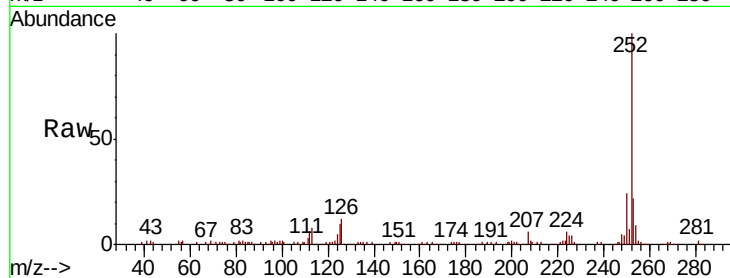




#89
Benzo(k)fluoranthene
Concen: 7.150 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Instrument :
BNA_F
ClientSampleId :
S7C(2-10)COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.4	7.3	10.9



#90
Benzo(a)pyrene
Concen: 2.586 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF113518.D
Acq: 2 Apr 2019 21:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.3	8.8	13.2

