

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113519.D
 Acq On : 2 Apr 2019 21:41
 Operator : JU/SJ
 Sample : K2182-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7C(12-20)COMP

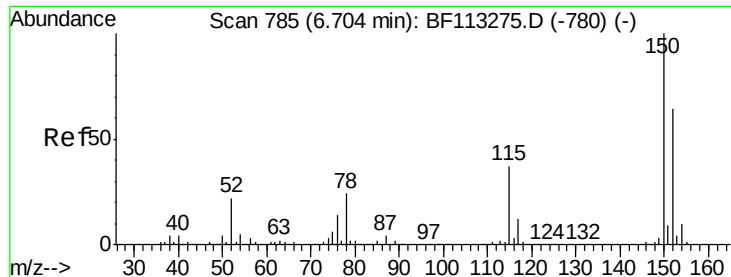
Quant Time: Apr 03 01:03:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	150511	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	554817	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	261710	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	461479	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	357419	20.00	ng	-0.02
87) Perylene-d12	15.23	264	399390	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	852272	92.59	ng	0.00
7) Phenol-d6	6.35	99	1102196	94.65	ng	-0.01
23) Nitrobenzene-d5	7.26	82	654771	70.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	297088	91.90	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1233209	70.94	ng	-0.02
79) Terphenyl-d14	12.78	244	1068780	65.91	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	83032	11.352	ng	# 75
25) Isophorone	7.26	82	646852	35.708	ng	# 64
50) Dimethylphthalate	9.44	163	87293	4.501	ng	100
51) 2,6-Dinitrotoluene	9.72	165	33614	7.682	ng	# 26
57) 2,4-Dinitrotoluene	9.72	165	33614	6.041	ng	# 23
67) 4-Bromophenyl-phenylether	10.51	248	16755	3.331	ng	# 1
71) Phenanthrene	11.22	178	64773	2.826	ng	97
75) Fluoranthene	12.40	202	162170	6.260	ng	99
78) Pyrene	12.63	202	160721	6.489	ng	98
81) Benzo(a)anthracene	13.82	228	108270	5.292	ng	99
83) Chrysene	13.85	228	110117	5.299	ng	99
86) Indeno(1,2,3-cd)pyrene	16.58	276	45700	2.562	ng	96
88) Benzo(b)fluoranthene	14.84	252	214725	8.655	ng	98
89) Benzo(k)fluoranthene	14.84	252	214725	9.855	ng	98
90) Benzo(a)pyrene	15.17	252	66612	3.029	ng	99
92) Benzo(g,h,i)perylene	16.99	276	38438	2.005	ng	# 94

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

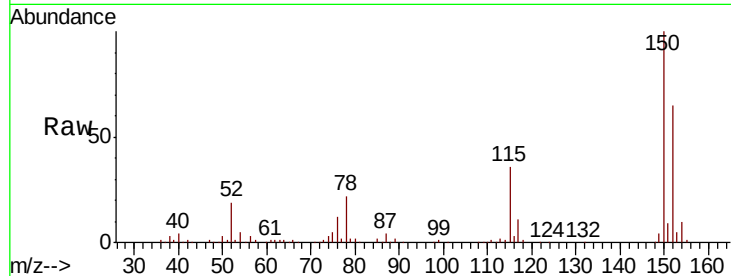


#1

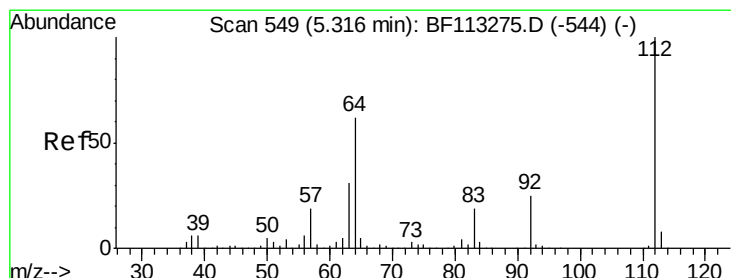
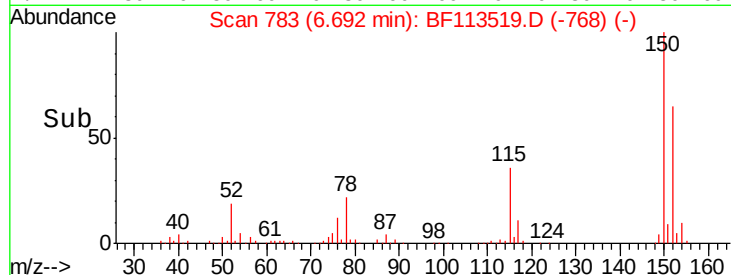
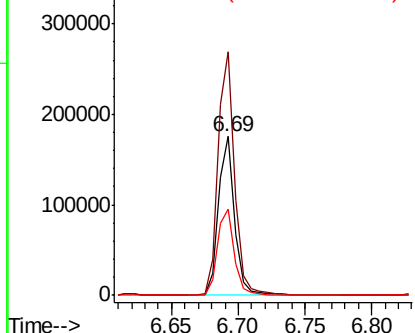
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF113519.D
 Acq: 2 Apr 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 S7C(12-20)COMP

Tgt Ion:152 Resp: 150511
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.7 187.1
 115 54.6 46.0 69.0



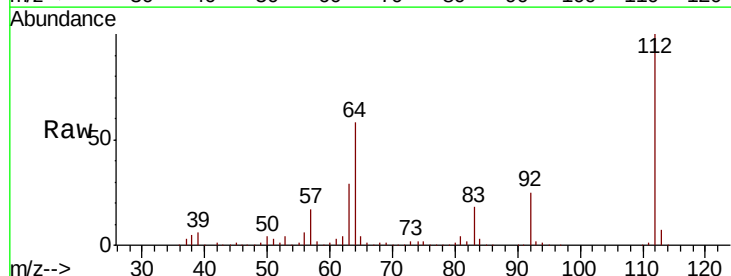
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



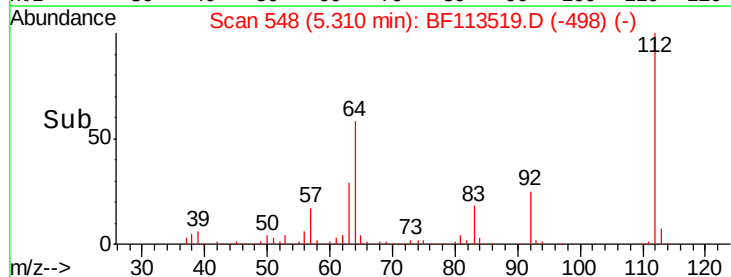
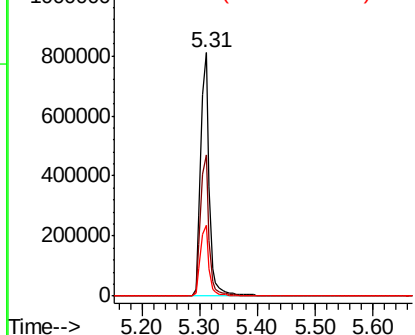
#5

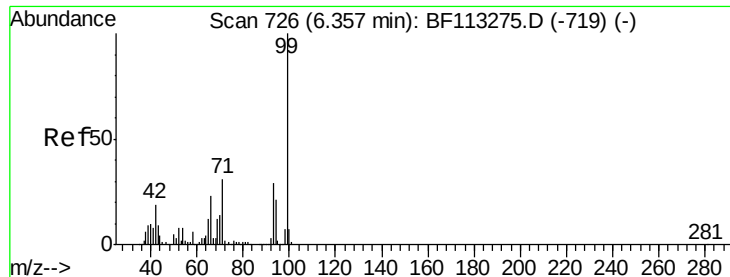
2-Fluorophenol
 Concen: 92.589 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF113519.D
 Acq: 2 Apr 2019 21:41

Tgt Ion:112 Resp: 852272
 Ion Ratio Lower Upper
 112 100
 64 57.9 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: 94.652 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

Instrument :

BNA_F

ClientSampleId :

S7C(12-20)COMP

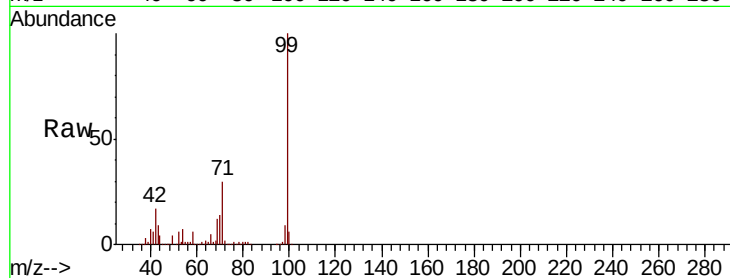
Tgt Ion: 99 Resp: 1102196

Ion Ratio Lower Upper

99 100

42 16.9 14.8 22.2

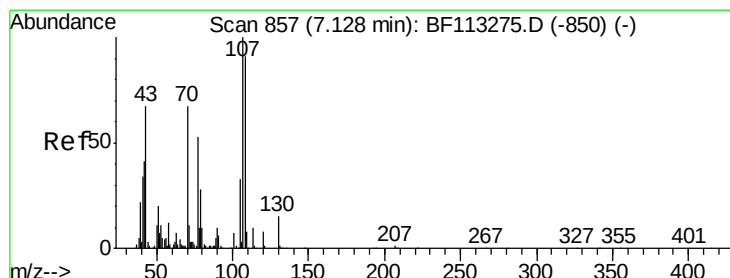
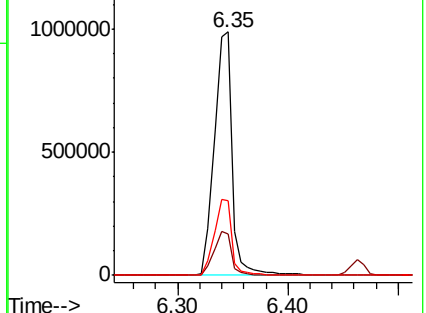
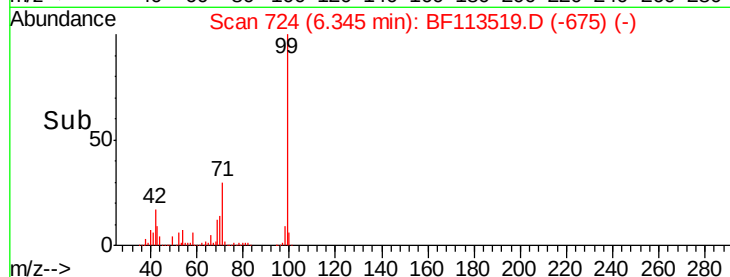
71 30.5 24.9 37.3



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: 11.352 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

Tgt Ion: 70 Resp: 83032

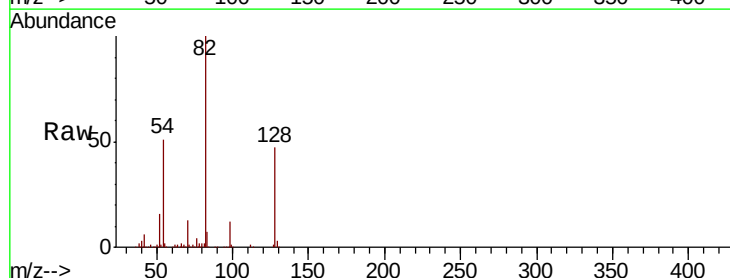
Ion Ratio Lower Upper

70 100

42 46.9 48.4 72.6#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

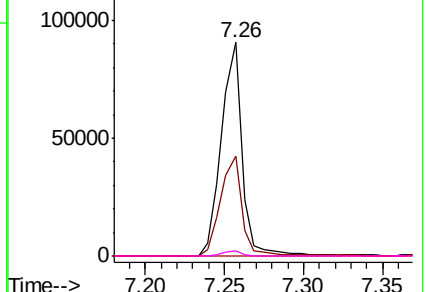
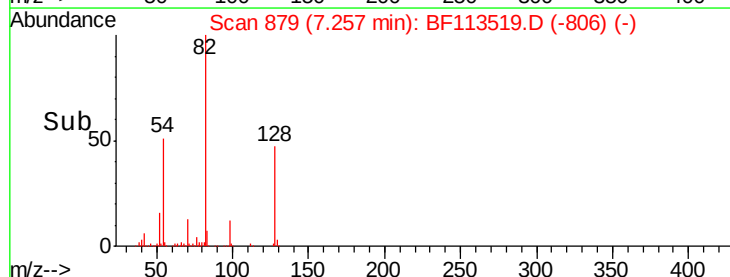


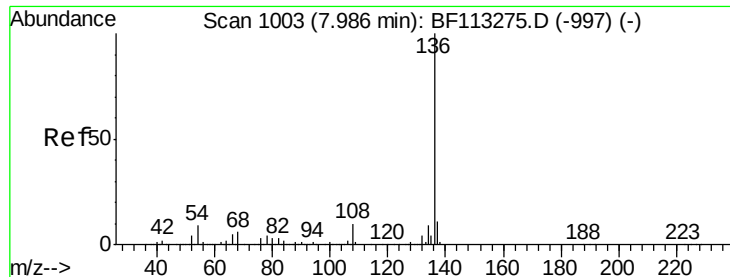
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

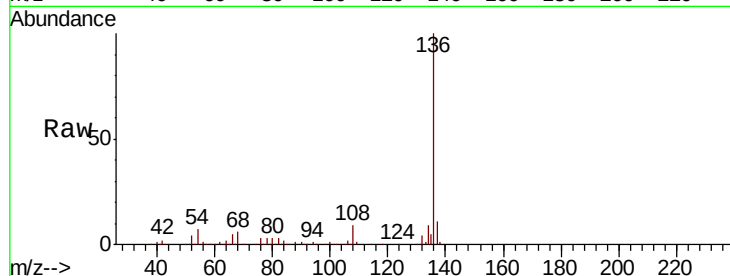




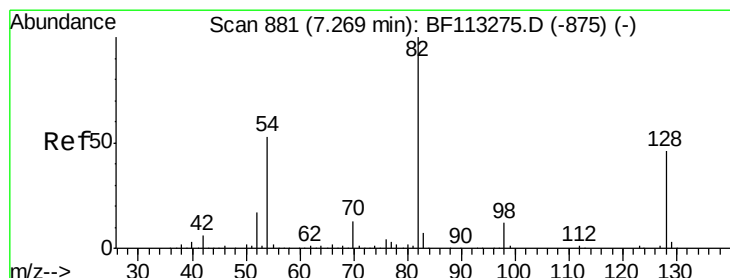
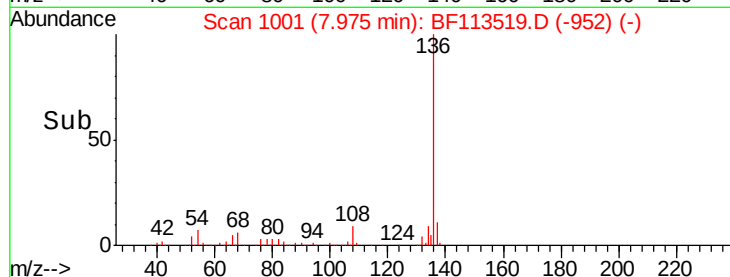
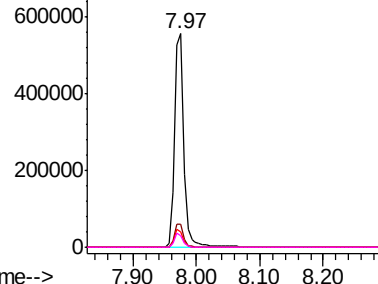
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Instrument :
BNA_F
ClientSampleId :
S7C(12-20)COMP

Tgt Ion:	136	Resp:	554817
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.5	7.0	10.6
68	5.7	4.8	7.2

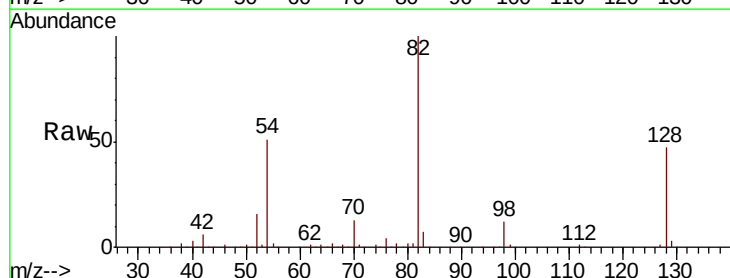


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

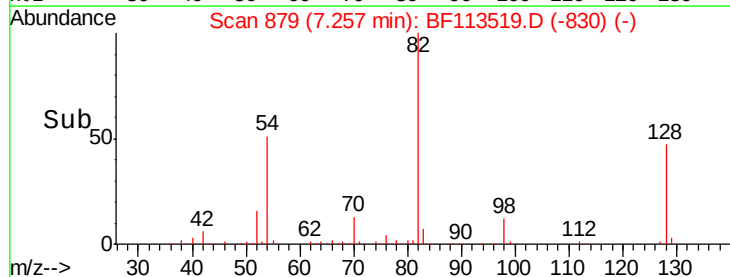
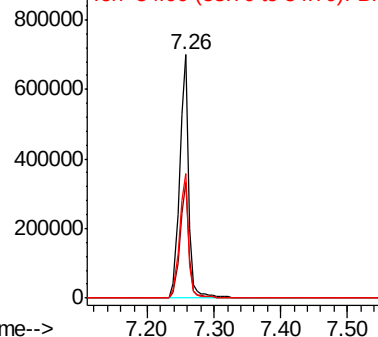


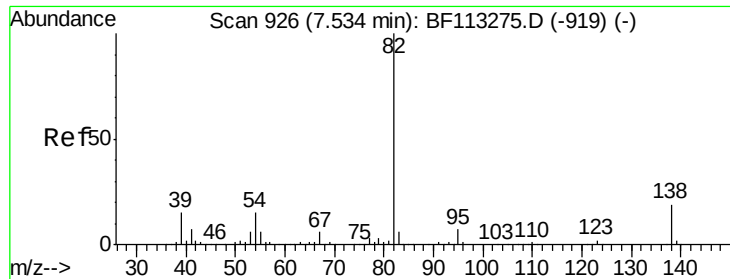
#23
Nitrobenzene-d5
Concen: 70.047 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Tgt Ion:	82	Resp:	654771
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.5	54.7
54	51.0	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

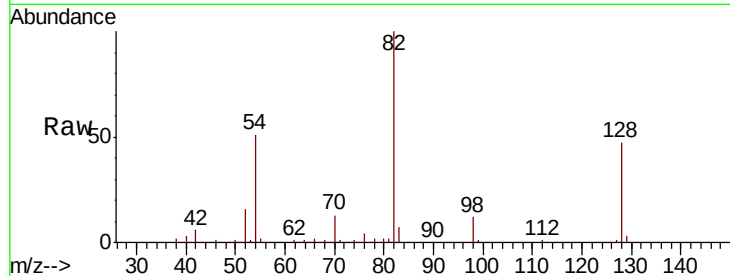




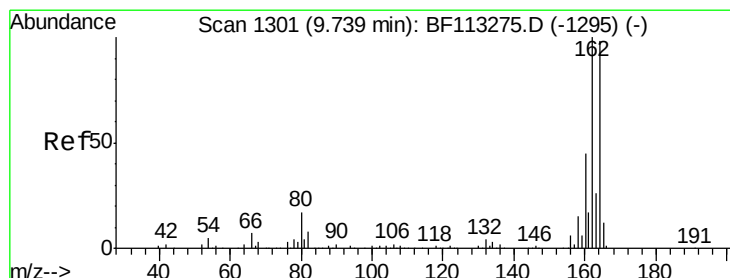
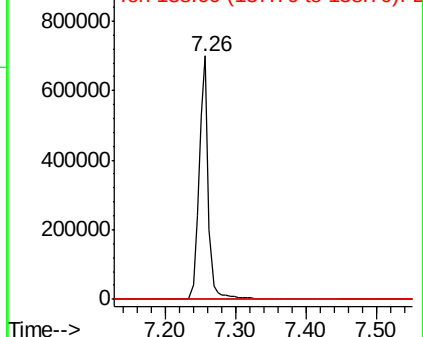
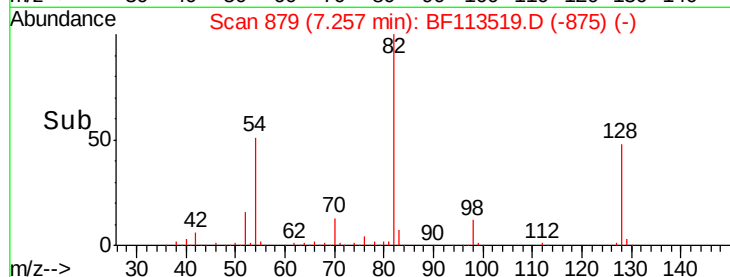
#25
Isophorone
Concen: 35.708 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.28 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Instrument :
BNA_F
ClientSampleId :
S7C(12-20)COMP

Tgt Ion: 82 Resp: 646852
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#

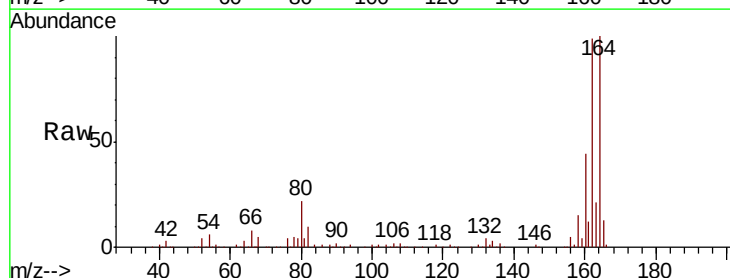


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

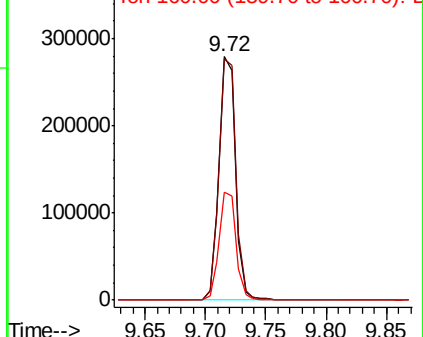
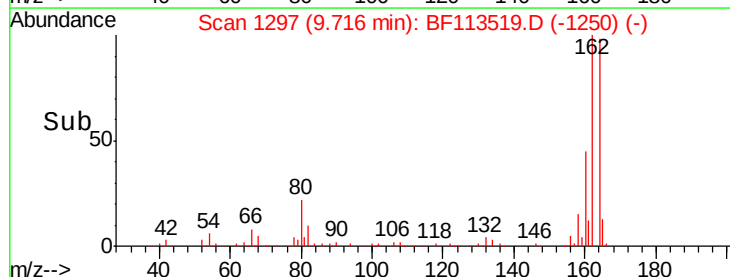


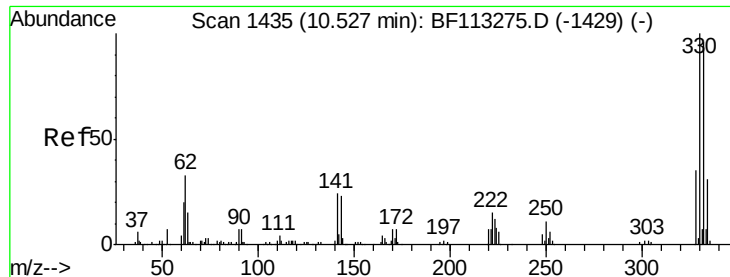
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Tgt Ion: 164 Resp: 261710
Ion Ratio Lower Upper
164 100
162 98.9 81.8 122.6
160 44.3 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: 91.900 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

Instrument :

BNA_F

ClientSampleId :

S7C(12-20)COMP

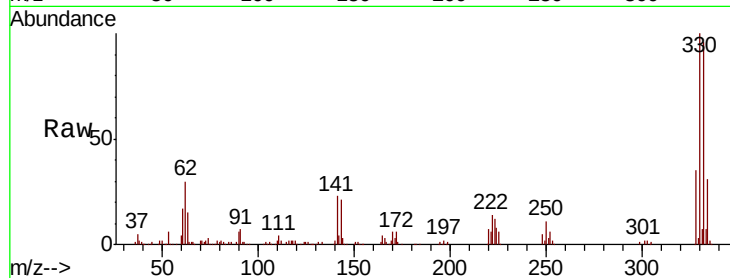
Tgt Ion:330 Resp: 297088

Ion Ratio Lower Upper

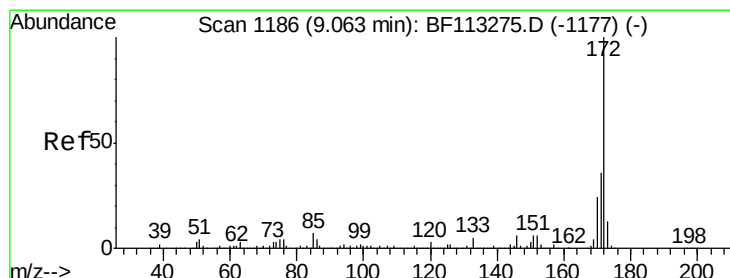
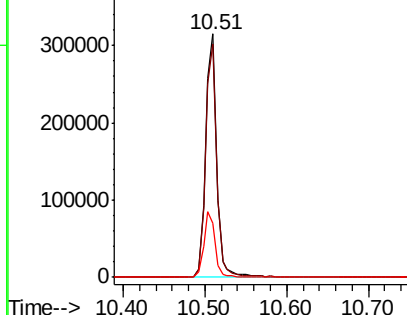
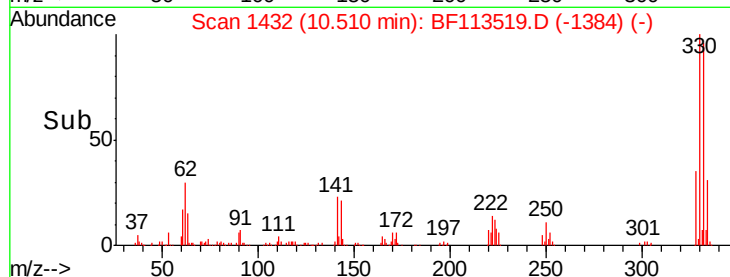
330 100

332 96.9 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: 70.938 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

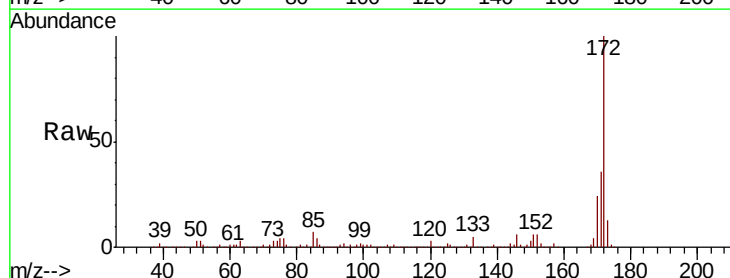
Tgt Ion:172 Resp: 1233209

Ion Ratio Lower Upper

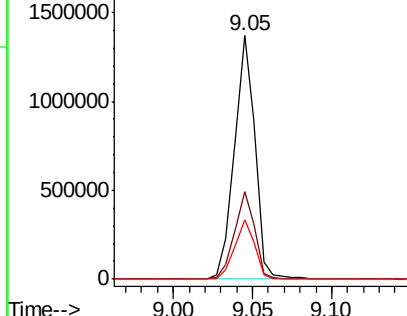
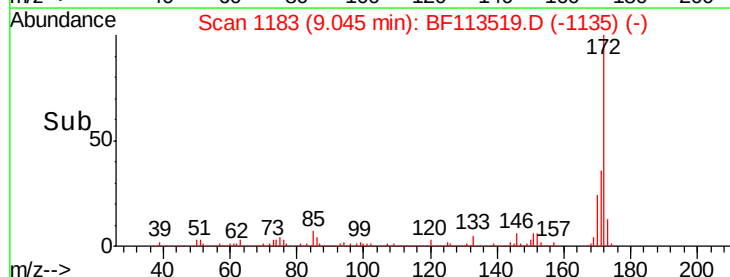
172 100

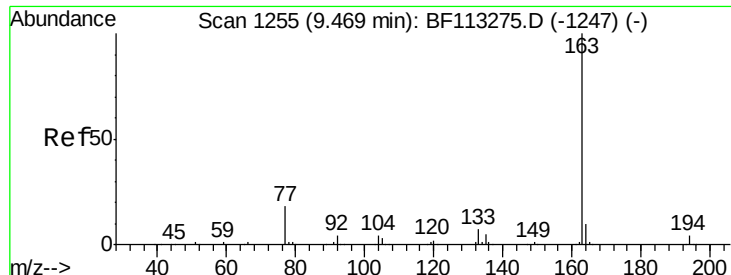
171 35.9 29.0 43.6

170 24.3 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

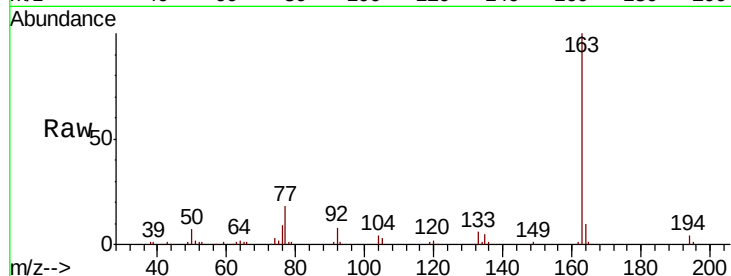




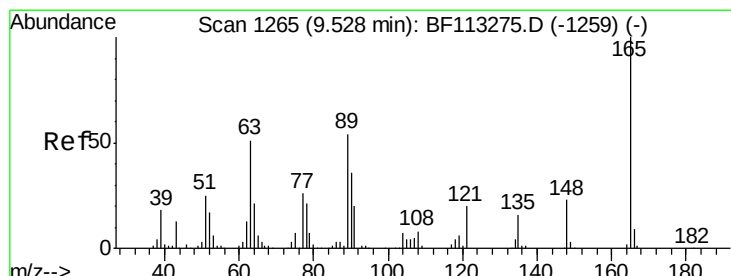
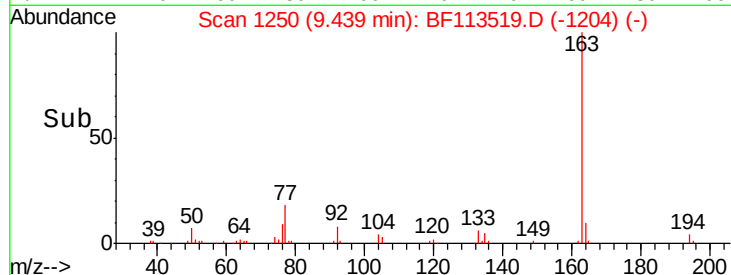
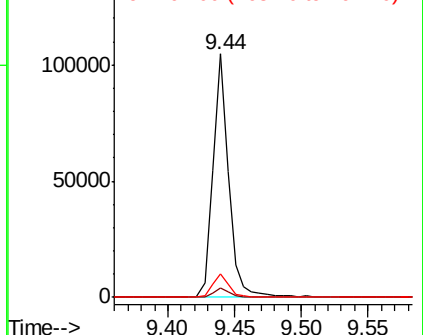
#50
Dimethylphthalate
Concen: 4.501 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Instrument :
BNA_F
ClientSampleId :
S7C(12-20)COMP

Tgt Ion:163 Resp: 87293
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 9.9 8.1 12.1

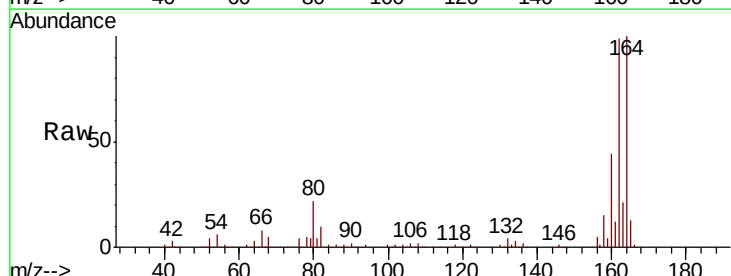


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

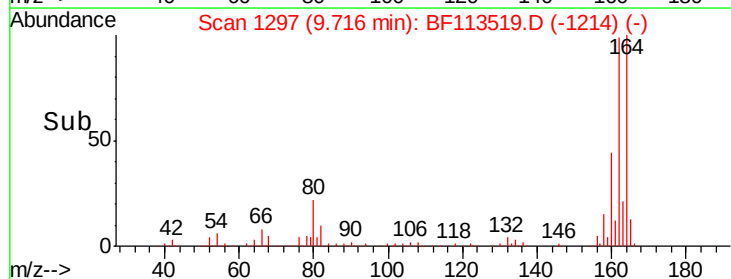
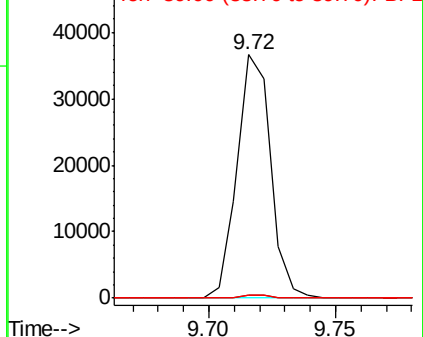


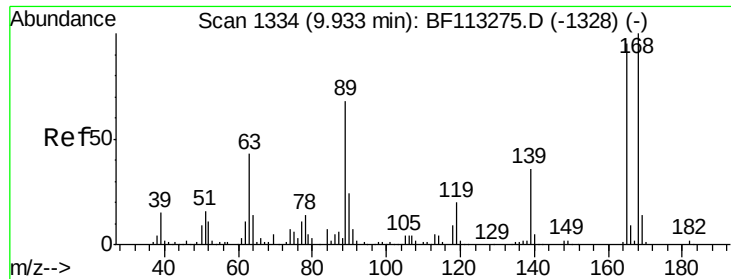
#51
2,6-Dinitrotoluene
Concen: 7.682 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.19 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Tgt Ion:165 Resp: 33614
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.0#
89 1.2 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

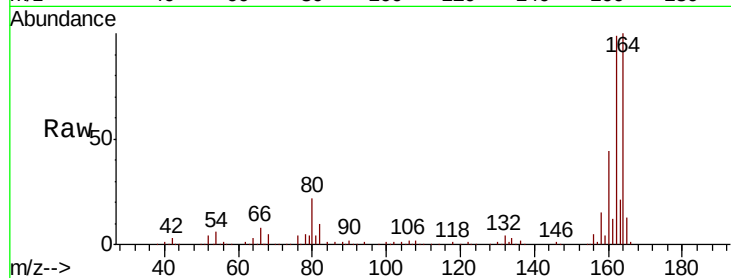




#57
 2,4-Dinitrotoluene
 Concen: 6.041 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF113519.D
 Acq: 2 Apr 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 S7C(12-20)COMP

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

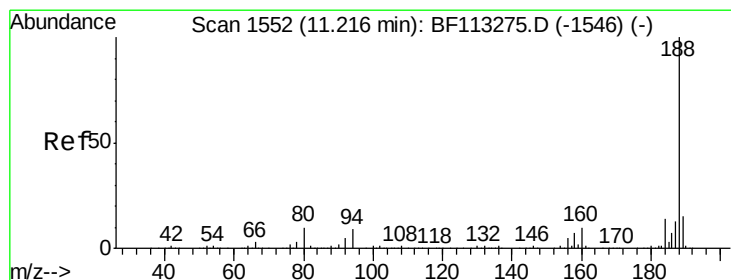
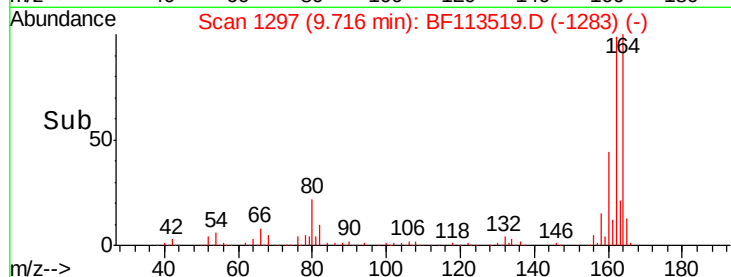
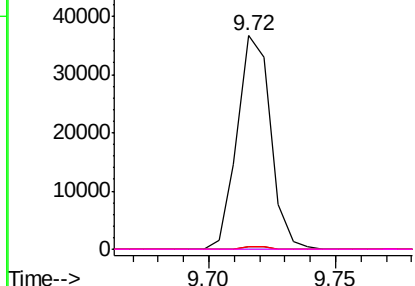


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

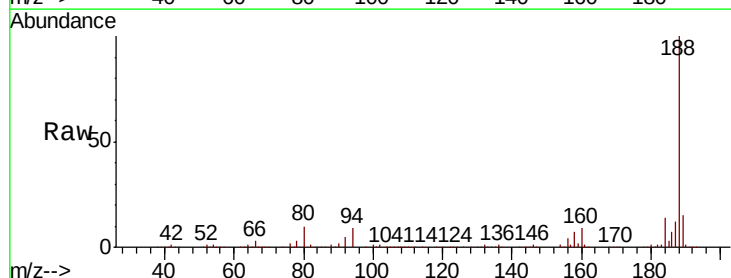
Ion 89.00 (88.70 to 89.70): BF1

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: BF113519.D
 Acq: 2 Apr 2019 21:41

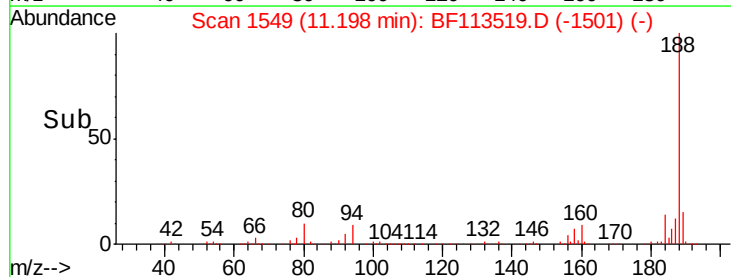
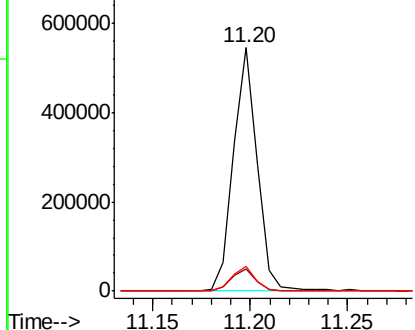
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.0	10.6
80	9.9	7.7	11.5

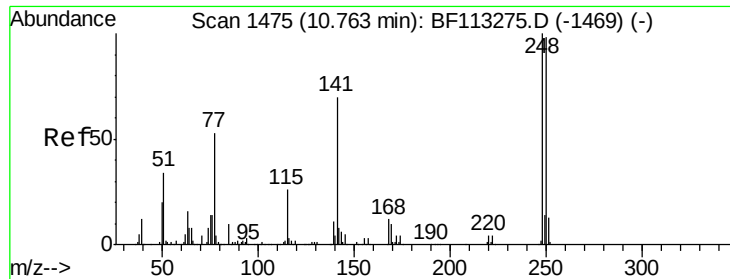


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

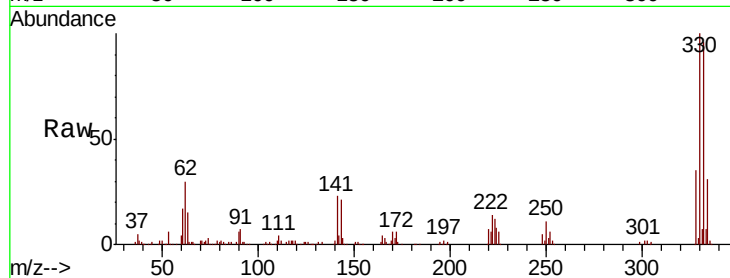




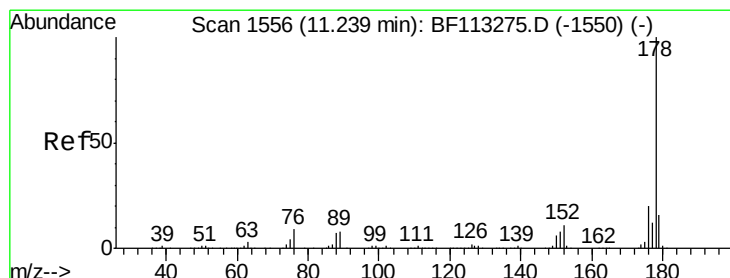
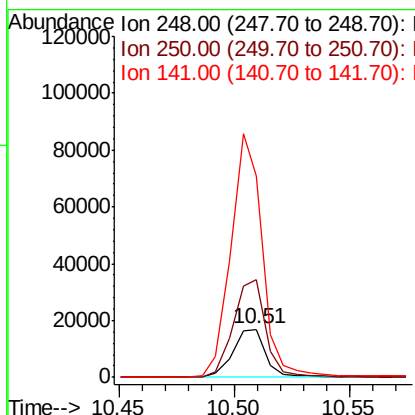
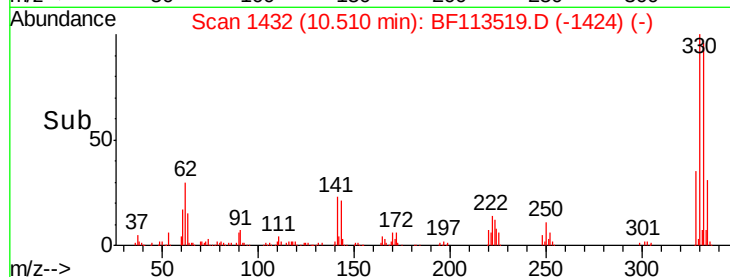
#67
 4-Bromophenyl-phenylether
 Concen: 3.331 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF113519.D
 Acq: 2 Apr 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 S7C(12-20)COMP

Tgt Ion:248 Resp: 16755
 Ion Ratio Lower Upper
 248 100
 250 204.4 78.3 117.5#
 141 419.7 56.2 84.4#

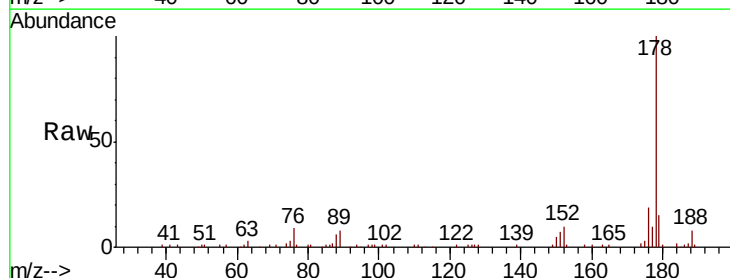


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

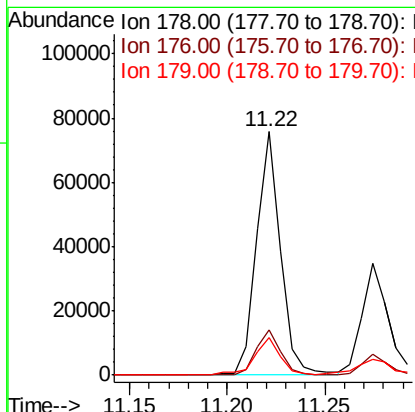
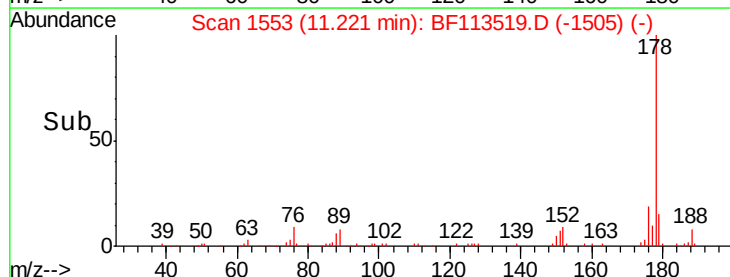


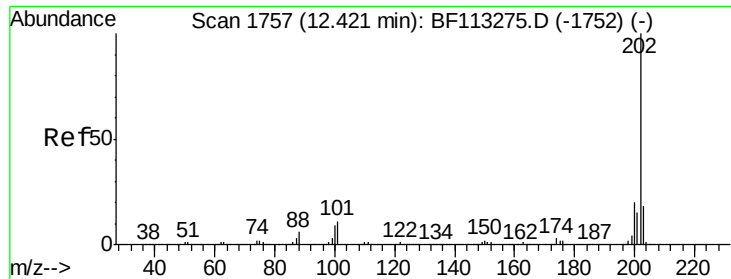
#71
 Phenanthrene
 Concen: 2.826 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF113519.D
 Acq: 2 Apr 2019 21:41

Tgt Ion:178 Resp: 64773
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.2
 179 15.2 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: 6.260 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

Instrument :

BNA_F

ClientSampleId :

S7C(12-20)COMP

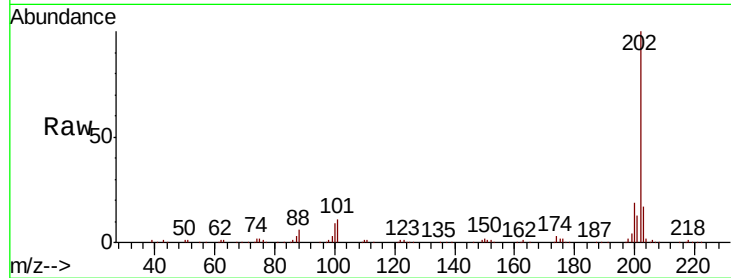
Tgt Ion:202 Resp: 162170

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

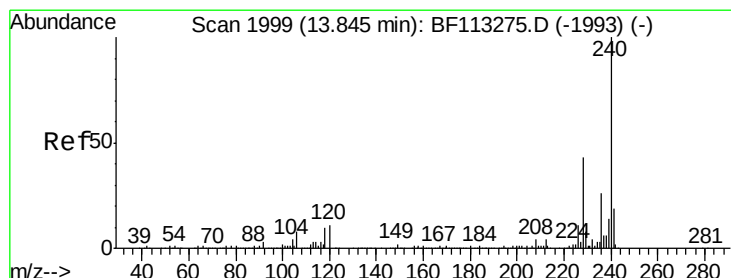
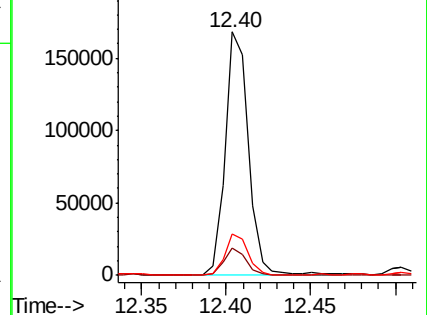
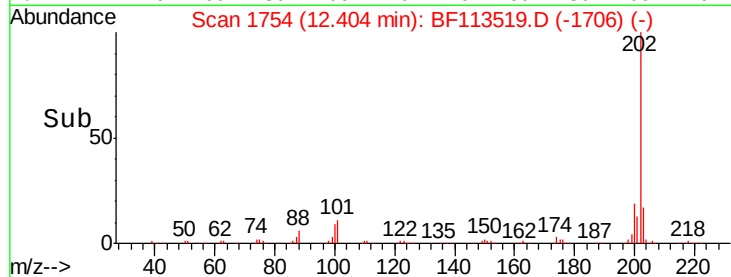
203 17.0 0.0 38.0



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

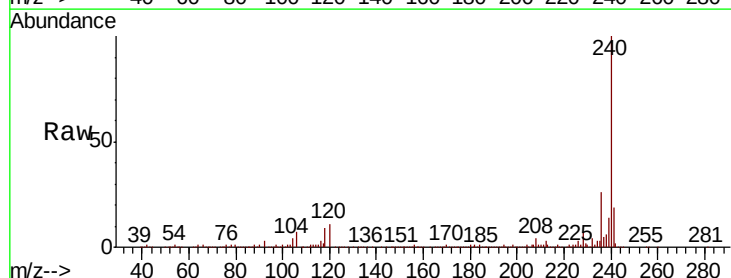
Tgt Ion:240 Resp: 357419

Ion Ratio Lower Upper

240 100

120 10.7 8.8 13.2

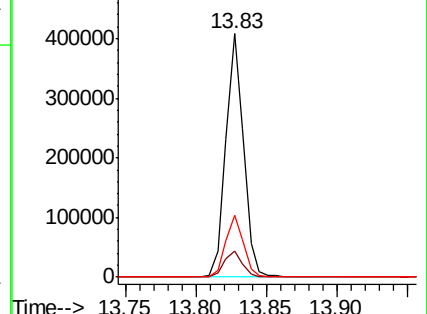
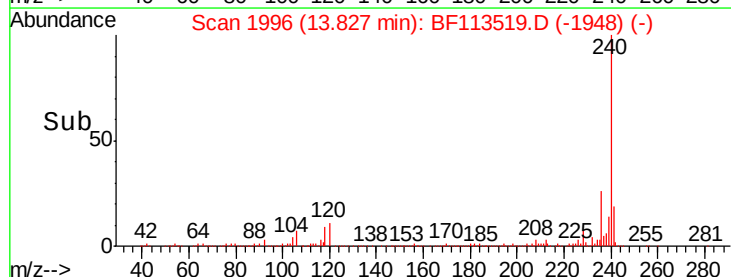
236 25.6 20.9 31.3

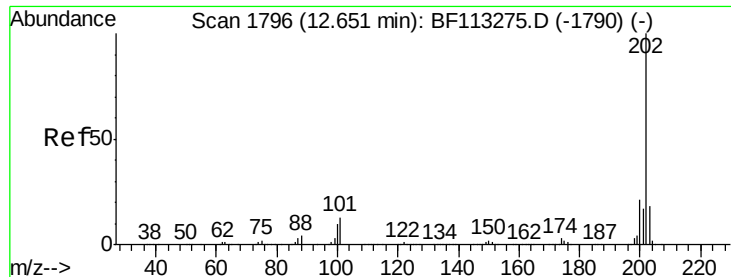


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

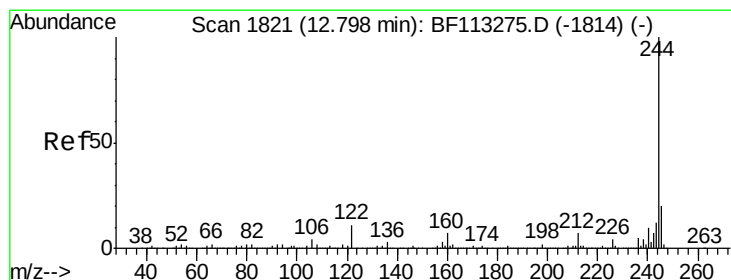
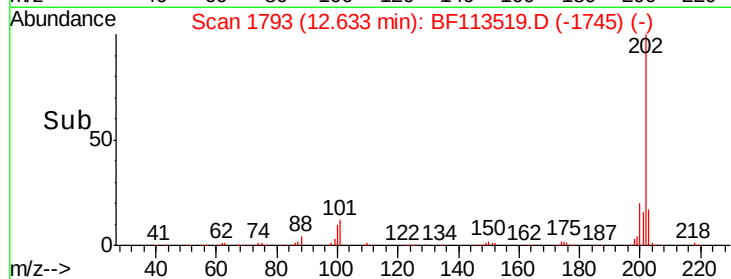
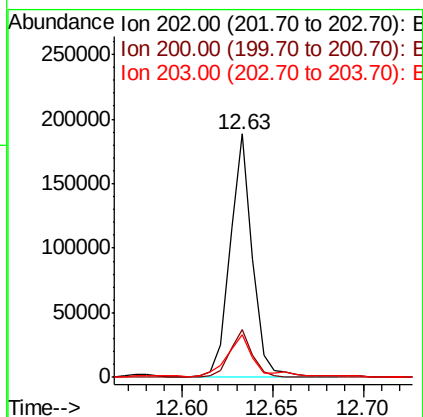
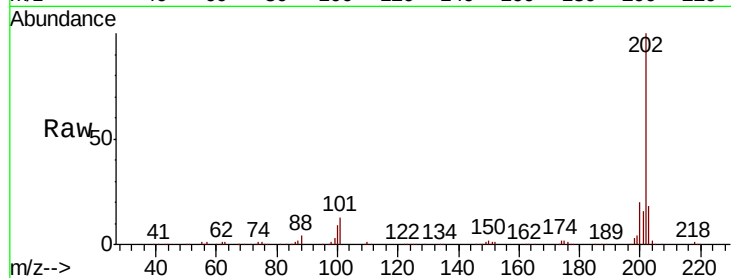




#78
Pyrene
Concen: 6.489 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

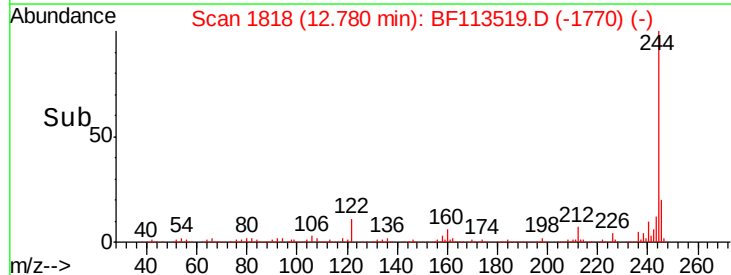
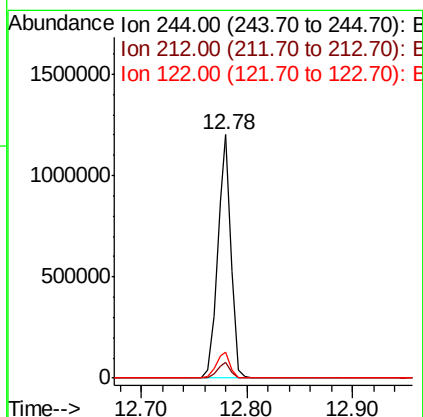
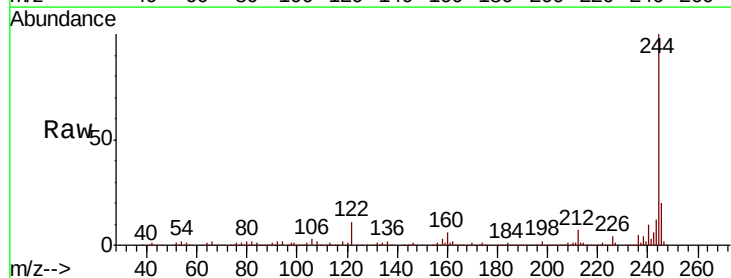
Instrument :
BNA_F
ClientSampleId :
S7C(12-20)COMP

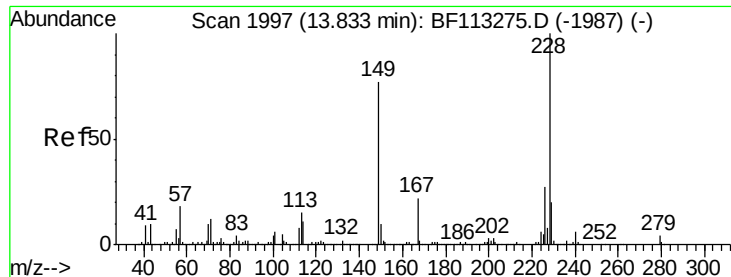
Tgt Ion: 202 Resp: 160721
Ion Ratio Lower Upper
202 100
200 19.6 16.8 25.2
203 17.6 14.4 21.6



#79
Terphenyl-d14
Concen: 65.911 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Tgt Ion: 244 Resp: 1068780
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 10.6 8.6 13.0

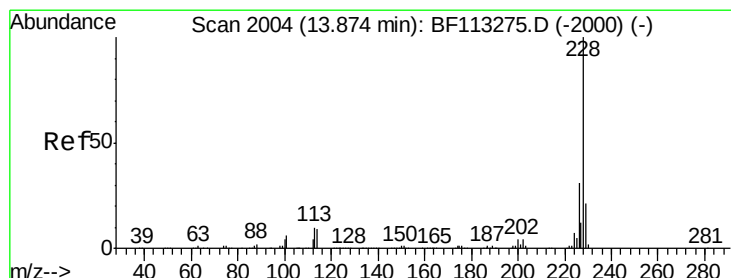
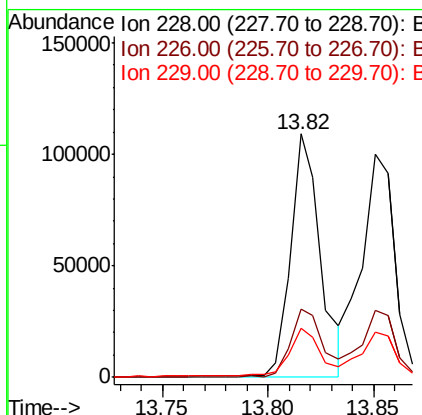
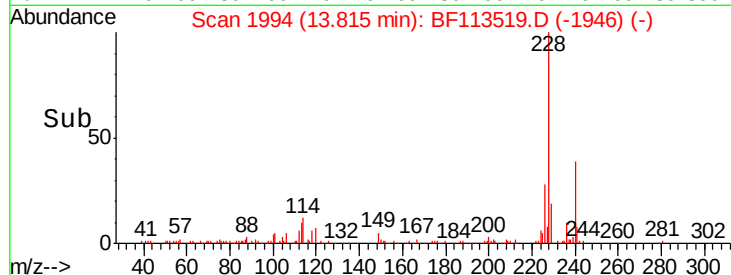
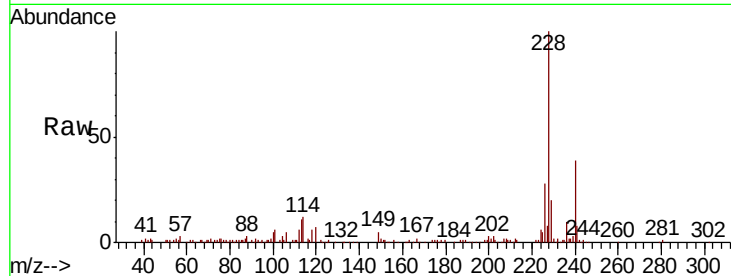




#81
Benzo(a)anthracene
Concen: 5.292 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

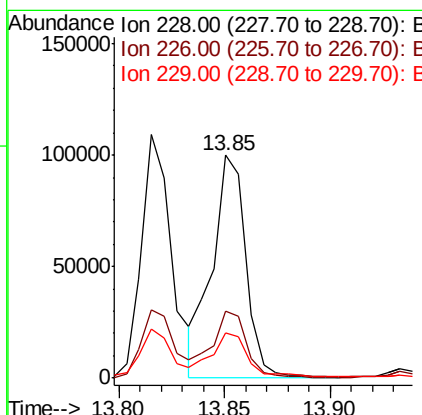
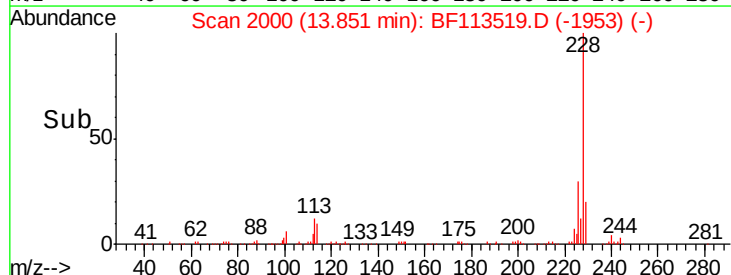
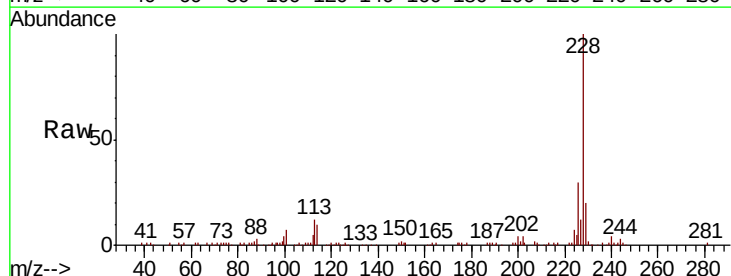
Instrument :
BNA_F
ClientSampleId :
S7C(12-20)COMP

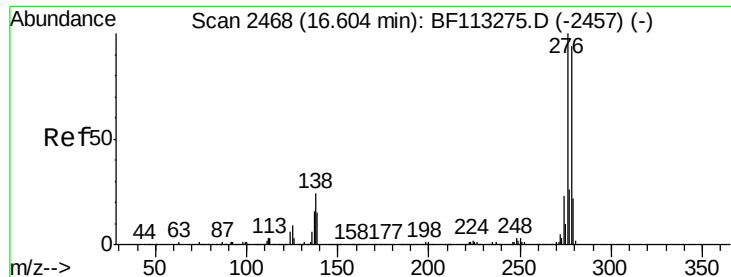
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.0	16.2	24.4



#83
Chrysene
Concen: 5.299 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	20.3	16.3	24.5

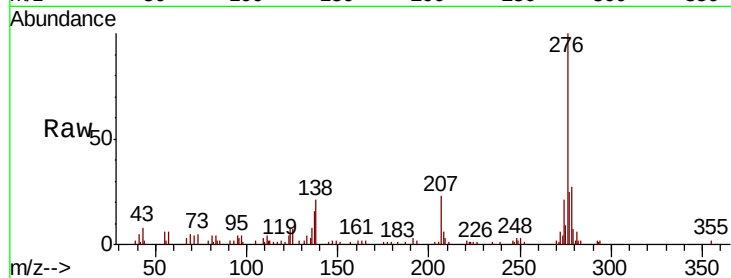




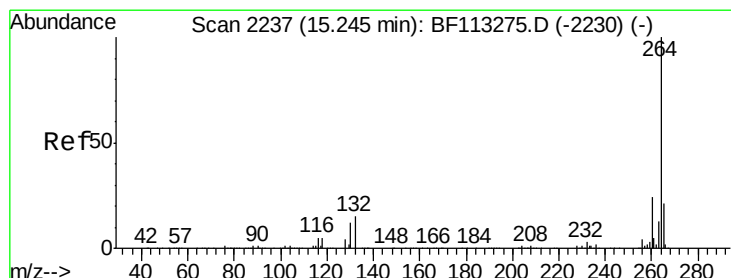
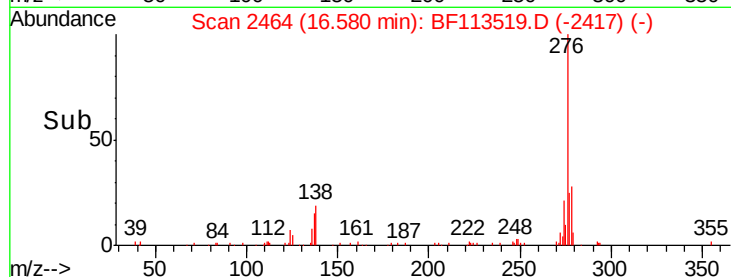
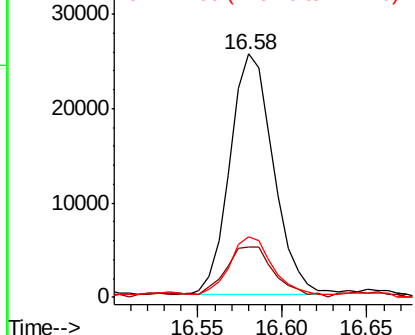
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.562 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. -0.02 min
 Lab File: BF113519.D
 Acq: 2 Apr 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 S7C(12-20)COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	18.1	27.1
277	22.9	20.2	30.4

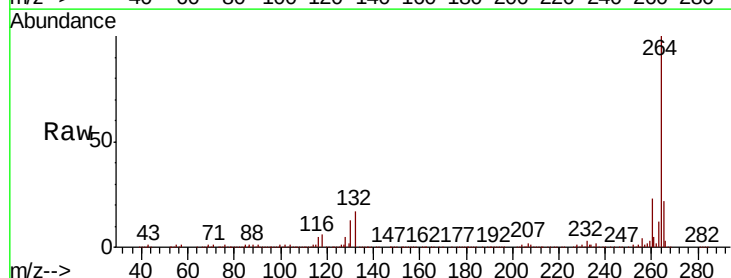


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

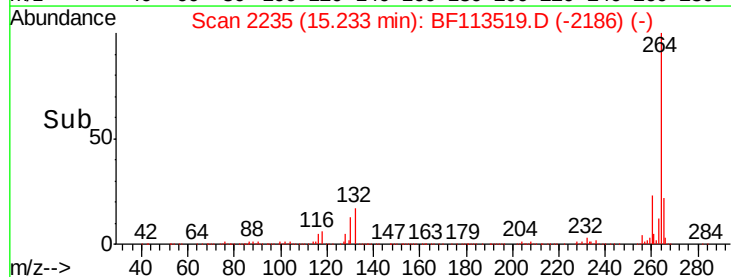
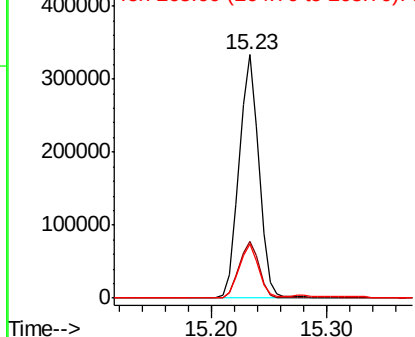


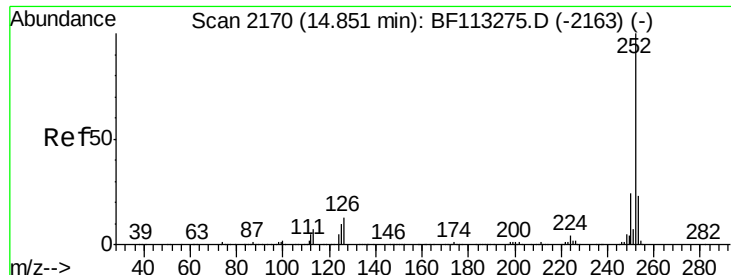
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF113519.D
 Acq: 2 Apr 2019 21:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	22.0	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

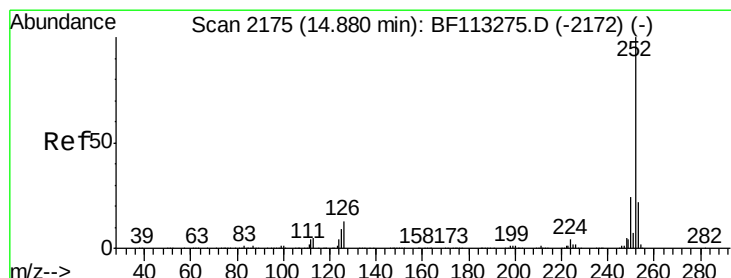
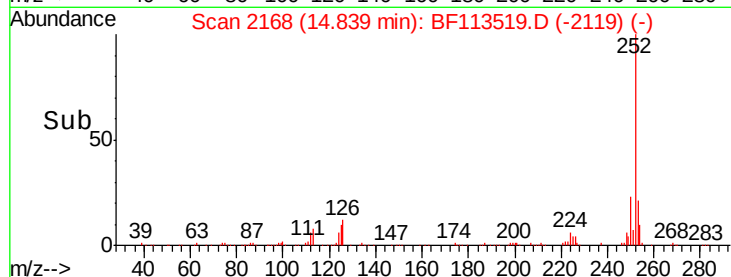
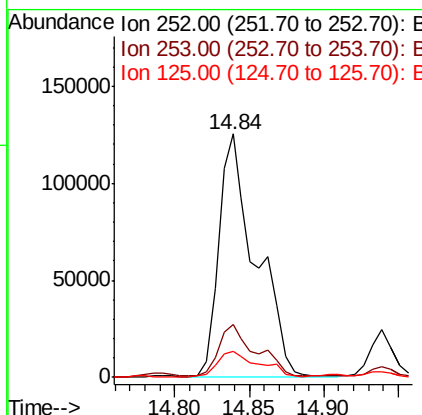
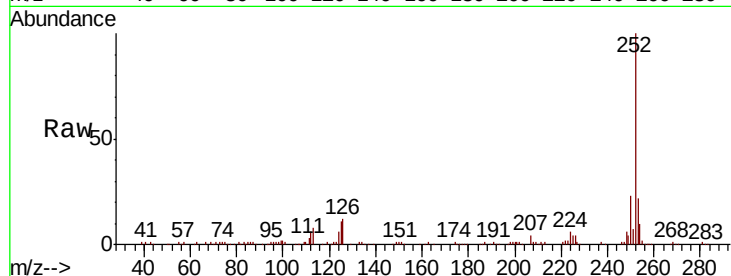




#88
Benzo(b)fluoranthene
Concen: 8.655 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

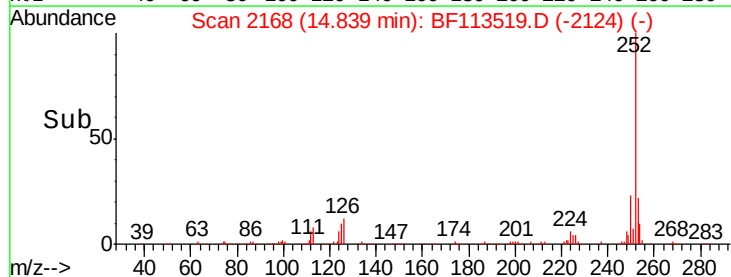
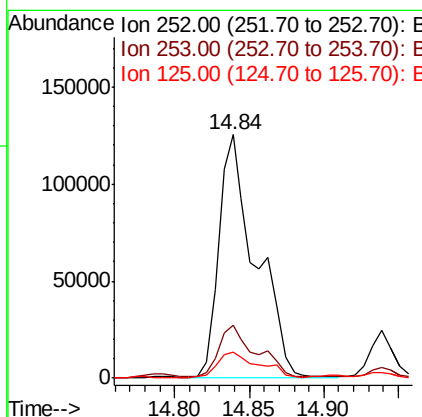
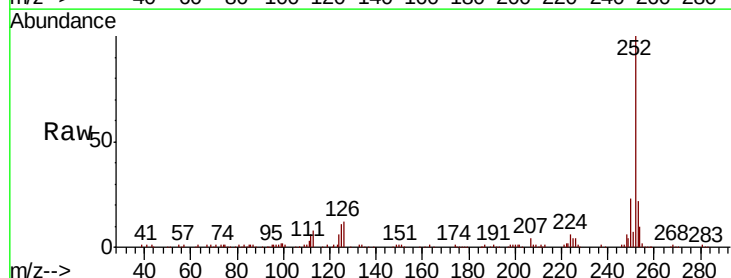
Instrument :
BNA_F
ClientSampleId :
S7C(12-20)COMP

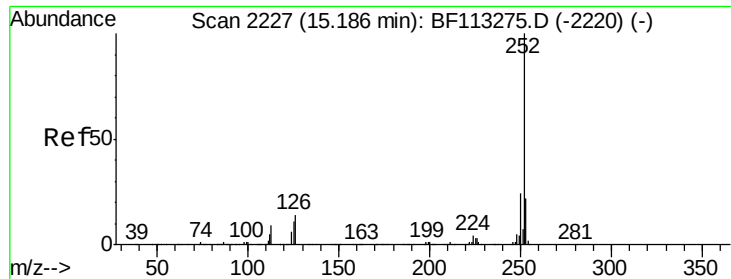
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	10.6	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 9.855 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113519.D
Acq: 2 Apr 2019 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.6	7.3	10.9





#90

Benzo(a)pyrene

Concen: 3.029 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

Instrument :

BNA_F

ClientSampleId :

S7C(12-20)COMP

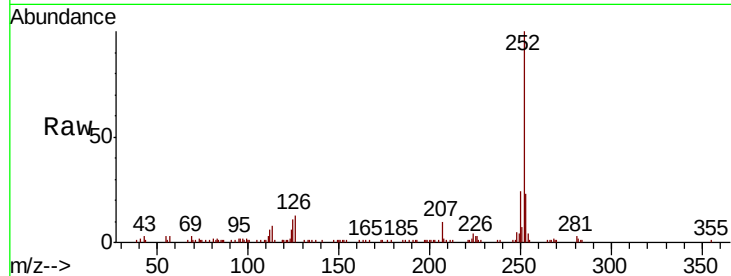
Tgt Ion:252 Resp: 66612

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

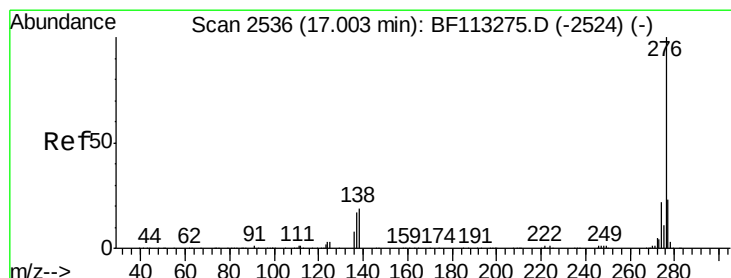
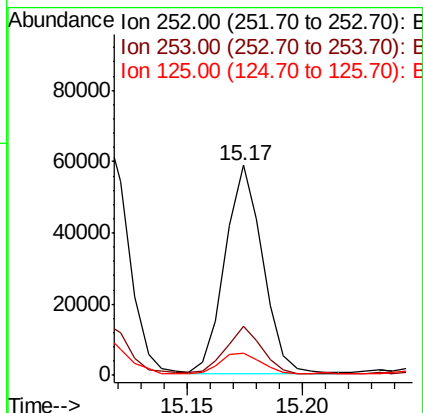
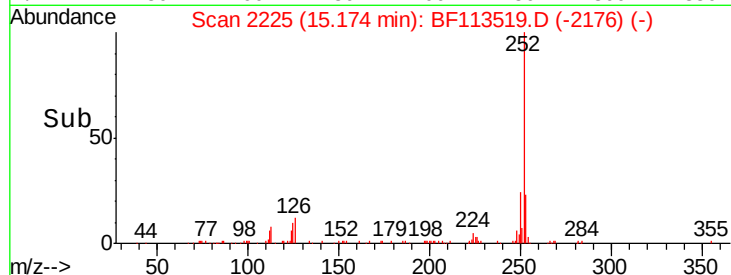
125 10.8 8.8 13.2



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



#92

Benzo(g,h,i)perylene

Concen: 2.005 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF113519.D

Acq: 2 Apr 2019 21:41

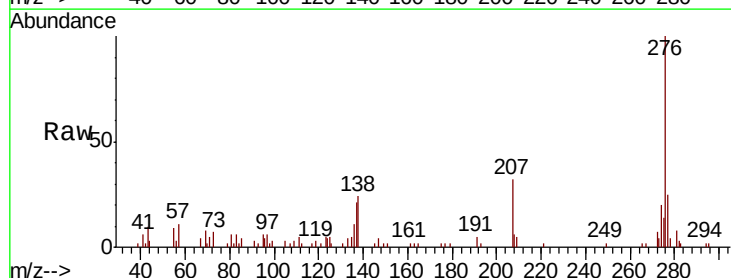
Tgt Ion:276 Resp: 38438

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 24.3 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

