

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\
 Data File : BF113607.D
 Acq On : 5 Apr 2019 2:48
 Operator : JU/SJ
 Sample : K2186-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 03:51:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	124645	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	436483	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	180217	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	334726	20.00	ng	0.00
76) Chrysene-d12	13.83	240	203639	20.00	ng	-0.02
87) Perylene-d12	15.24	264	166717	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	726194	99.35	ng	0.00
7) Phenol-d6	6.34	99	932047	103.46	ng	0.00
23) Nitrobenzene-d5	7.25	82	458835	61.57	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	196993	91.00	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	896105	80.05	ng	-0.01
79) Terphenyl-d14	12.78	244	793156	79.30	ng	-0.01

Target Compounds

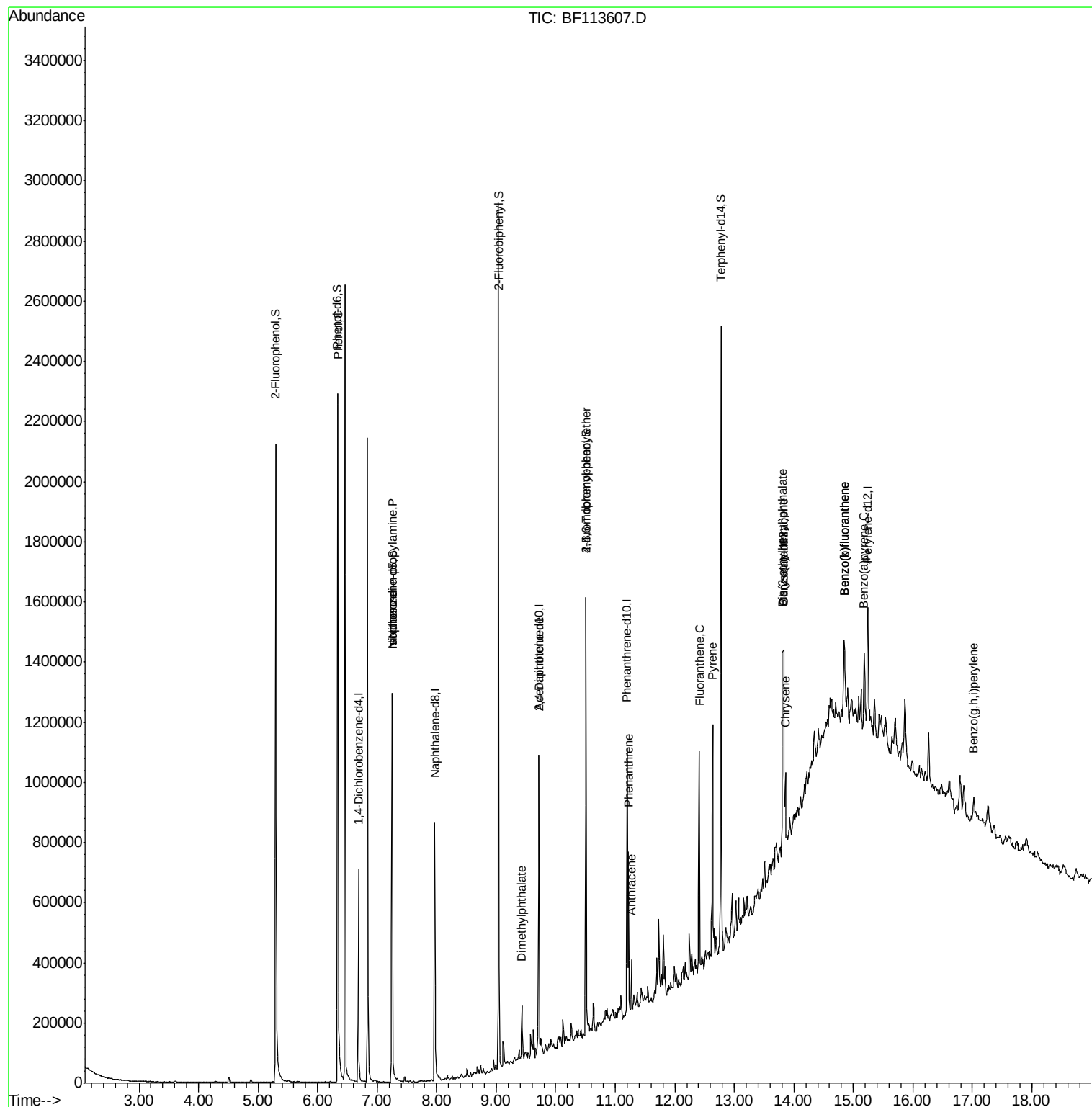
						Qvalue
10) Phenol	6.35	94	21054	2.046	ng	87
19) n-Nitroso-di-n-propylamine	7.25	70	59801	10.764	ng	# 74
25) Isophorone	7.25	82	454700	31.676	ng	# 64
50) Dimethylphthalate	9.43	163	65477	4.929	ng	99
57) 2,4-Dinitrotoluene	9.72	165	24180	6.828	ng	# 24
67) 4-Bromophenyl-phenylether	10.50	248	10912	2.907	ng	# 1
71) Phenanthrene	11.22	178	204009	12.265	ng	98
72) Anthracene	11.27	178	70122	4.144	ng	98
75) Fluoranthene	12.41	202	333254	18.698	ng	97
78) Pyrene	12.63	202	330175	21.309	ng	99
81) Benzo(a)anthracene	13.82	228	129994	11.066	ng	95
83) Chrysene	13.86	228	121332	10.189	ng	97
84) Bis(2-ethylhexyl)phthalate	13.81	149	164969	21.633	ng	# 97
88) Benzo(b)fluoranthene	14.84	252	163769	16.048	ng	# 79
89) Benzo(k)fluoranthene	14.84	252	163769	17.881	ng	# 78
90) Benzo(a)pyrene	15.19	252	95561	10.538	ng	# 86
92) Benzo(a,h,i)perylene	17.02	276	48973	5.658	ng	# 82

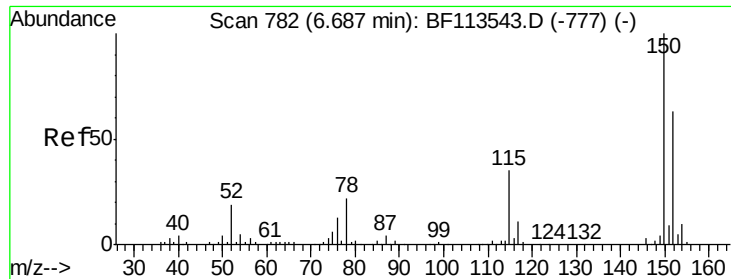
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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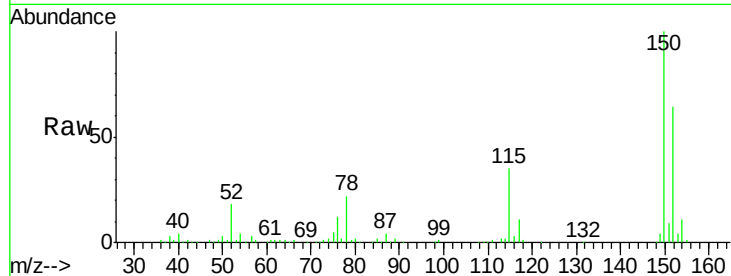


#1

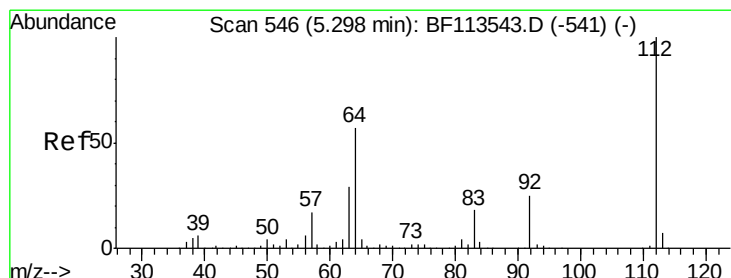
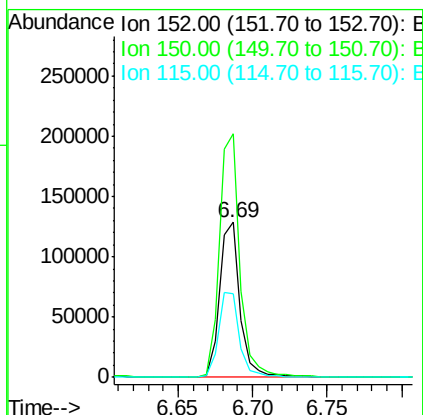
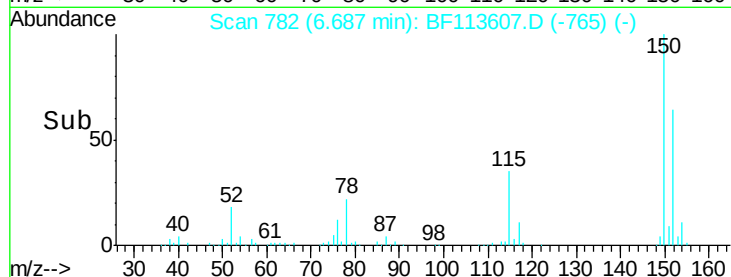
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 124645
Ion Ratio Lower Upper
152 100
150 157.3 124.7 187.1
115 54.3 46.0 69.0



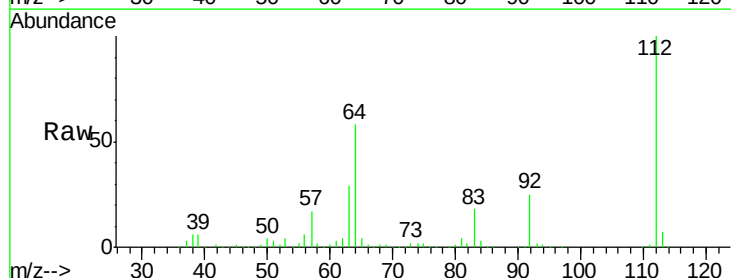
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



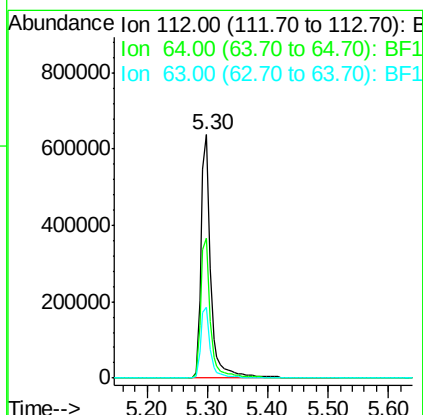
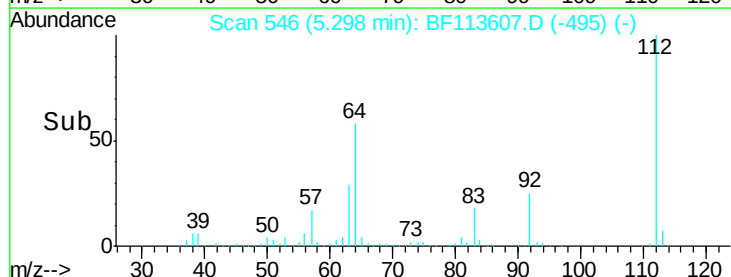
#5

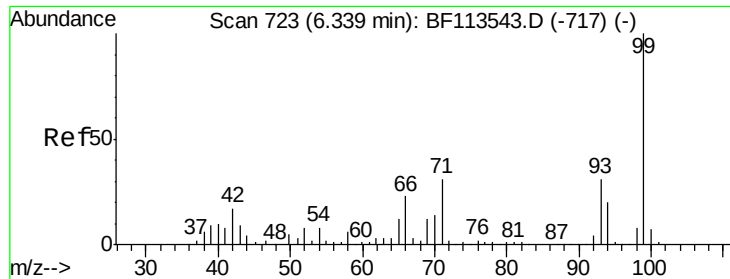
2-Fluorophenol
Concen: 99.348 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Tgt Ion:112 Resp: 726194
Ion Ratio Lower Upper
112 100
64 57.6 49.2 73.8
63 28.9 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: 103.456 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

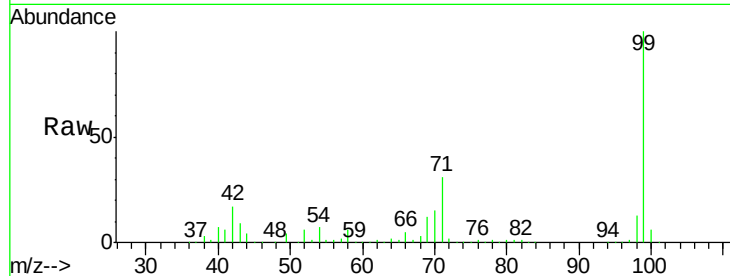
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 932047

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.8	22.2
71	31.0	24.9	37.3



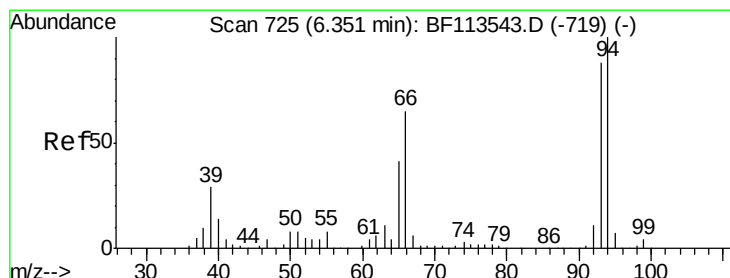
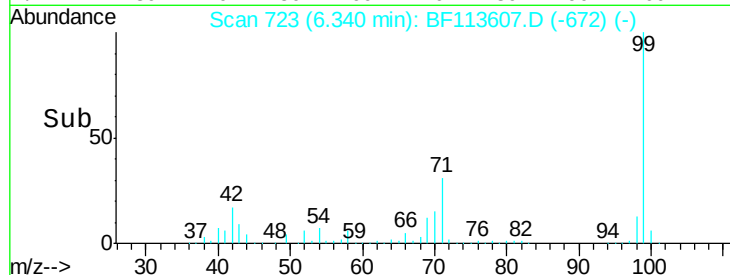
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.34

Time-->



#10

Phenol

Concen: 2.046 ng

RT: 6.35 min Scan# 724

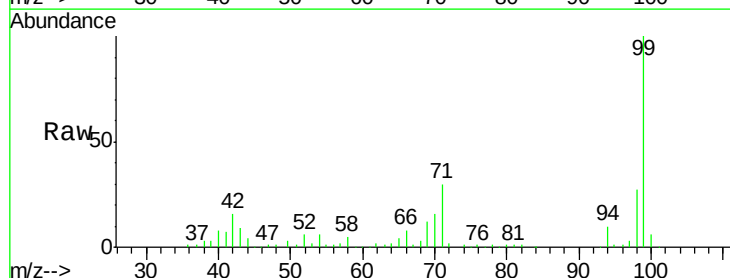
Delta R.T. -0.01 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

Tgt Ion: 94 Resp: 21054

Ion	Ratio	Lower	Upper
94	100		
65	36.9	21.4	61.4
66	79.2	46.4	86.4



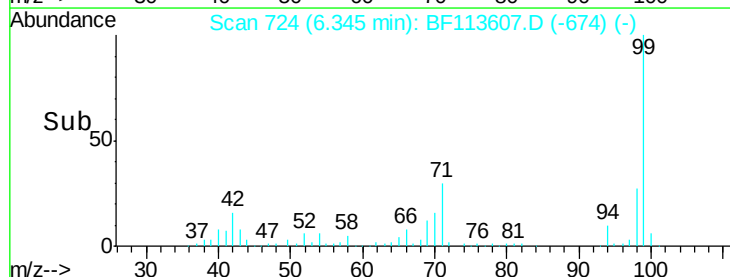
Abundance Ion 94.00 (93.70 to 94.70): BF1

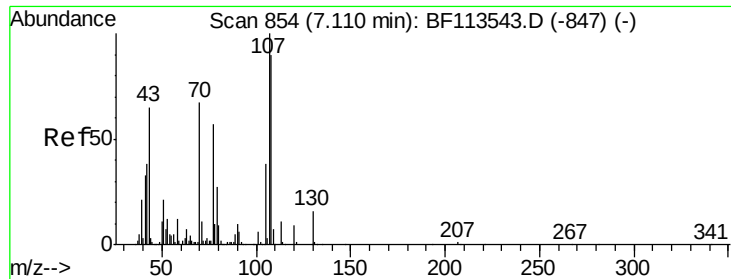
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

6.35

Time-->

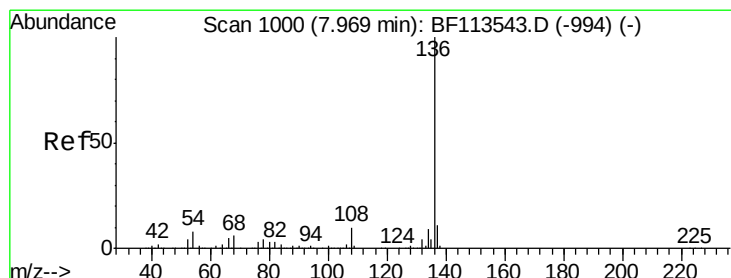
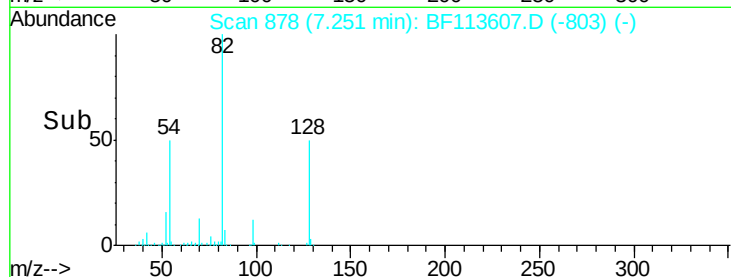
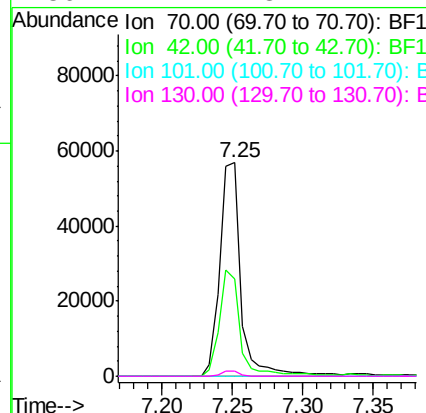
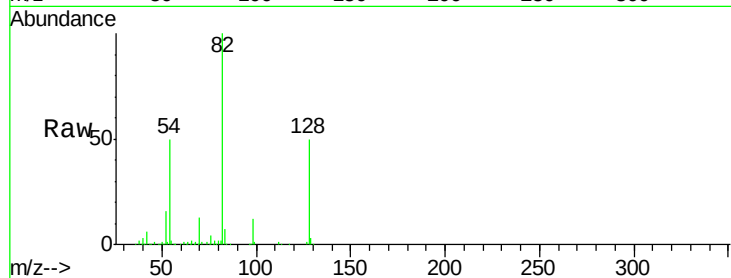




#19
n-Nitroso-di-n-propylamine
Concen: 10.764 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.14 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

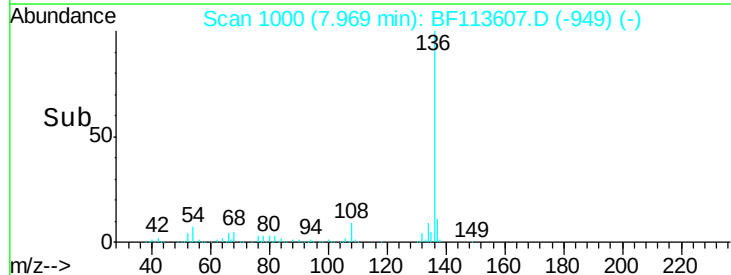
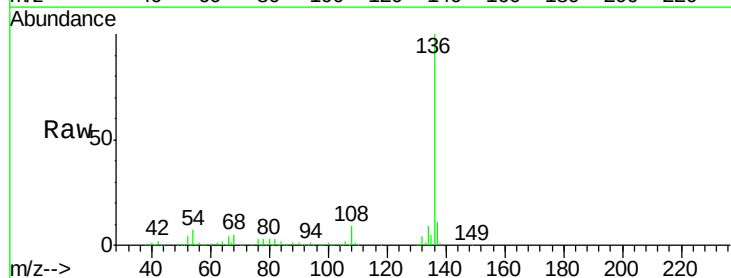
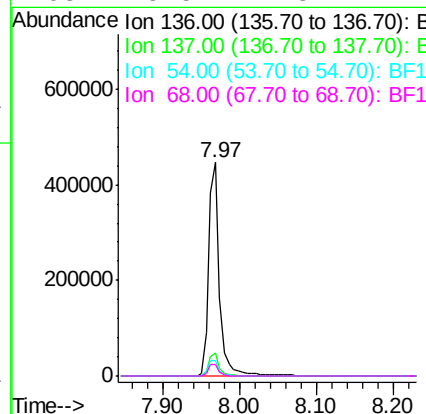
Instrument :
BNA_F
ClientSampleId :

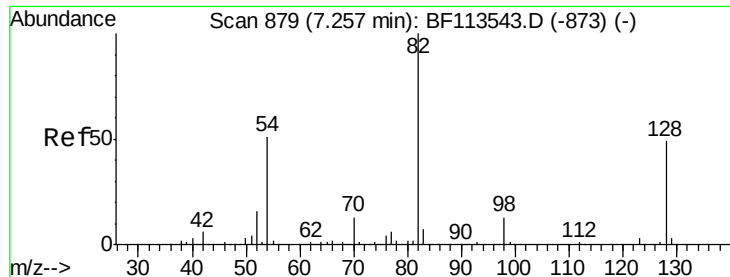
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	45.3	48.4	72.6#	
101	0.0	7.8	11.8#	
130	2.2	18.2	27.4#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	7.1	7.0	10.6	
68	5.5	4.8	7.2	





#23

Nitrobenzene-d5

Concen: 61.575 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

Instrument :

BNA_F

ClientSampled :

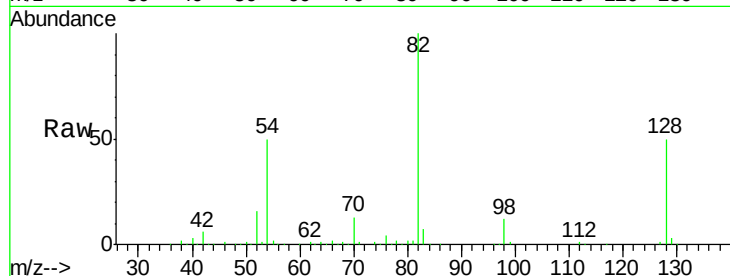
Tot Ion: 82 Resp: 458835

Ion Ratio Lower Upper

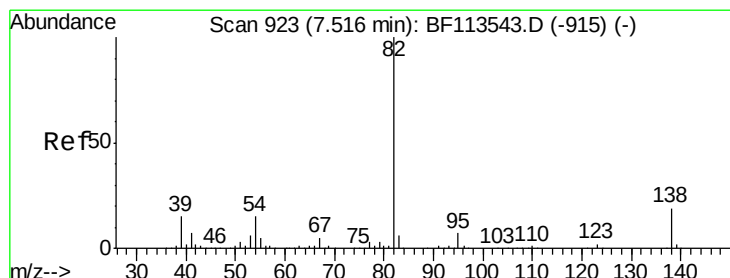
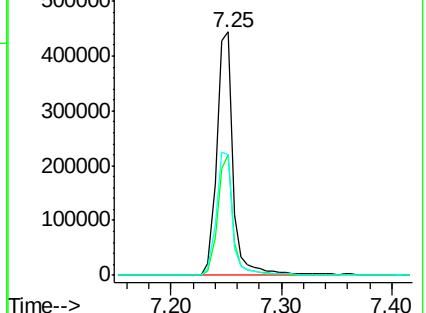
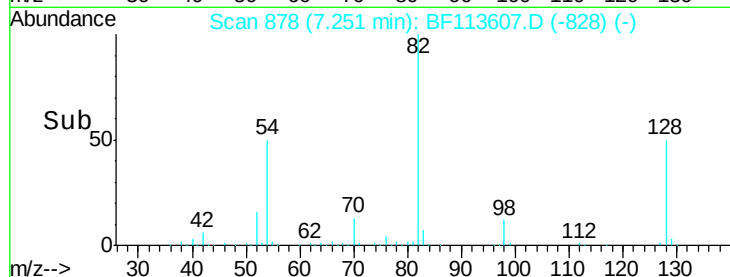
82 100

128 49.7 36.5 54.7

54 49.6 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 31.676 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.26 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

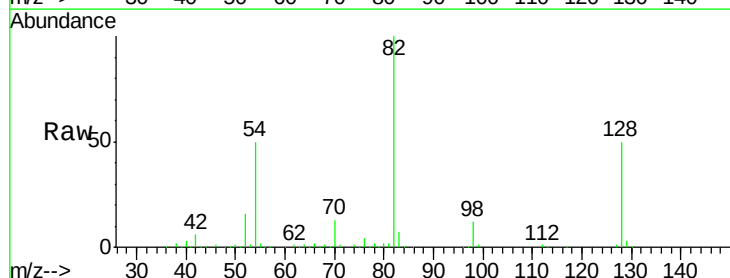
Tgt Ion: 82 Resp: 454700

Ion Ratio Lower Upper

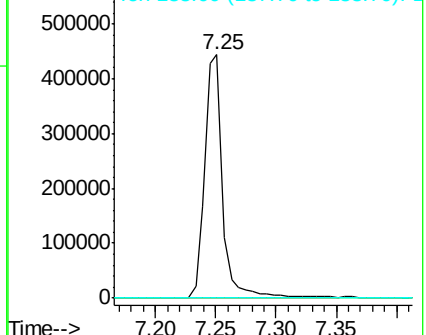
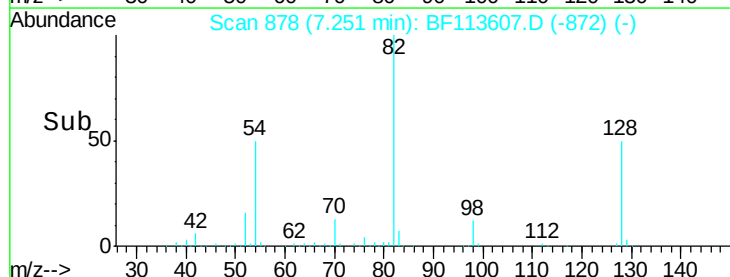
82 100

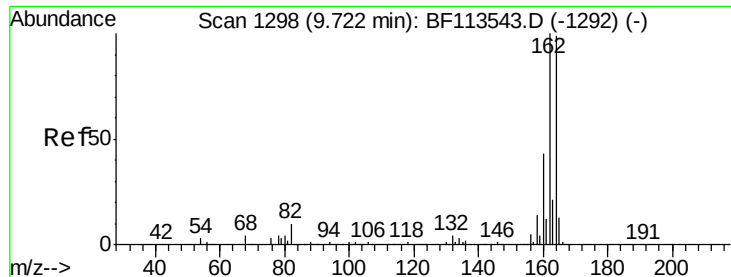
95 0.0 5.5 8.3#

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. -0.01 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

Instrument :

BNA_F

ClientSampleId :

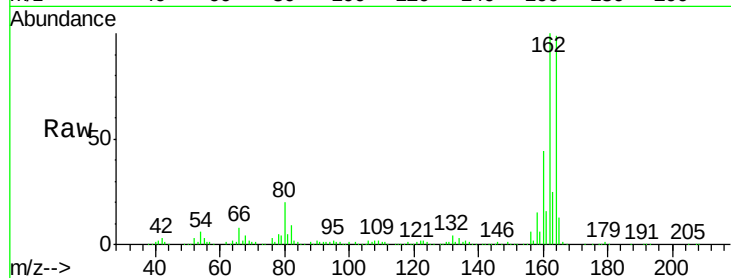
Tot Ion:164 Resp: 180217

Ion Ratio Lower Upper

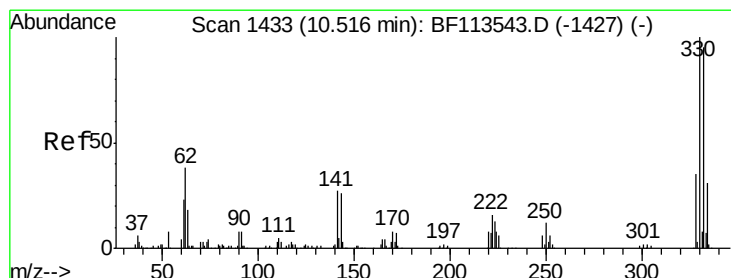
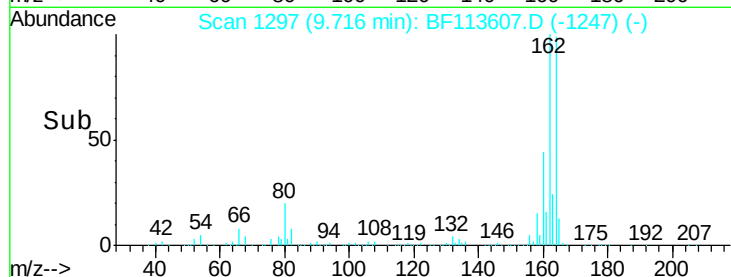
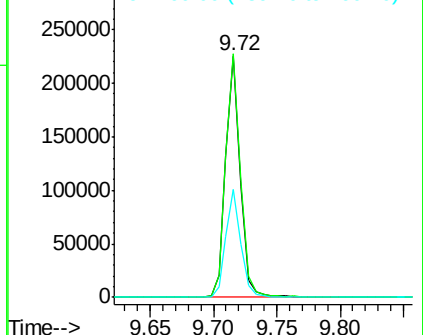
164 100

162 100.8 81.8 122.6

160 44.7 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: 90.996 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

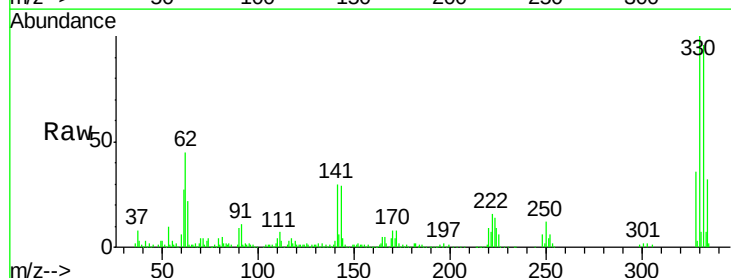
Tgt Ion:330 Resp: 196993

Ion Ratio Lower Upper

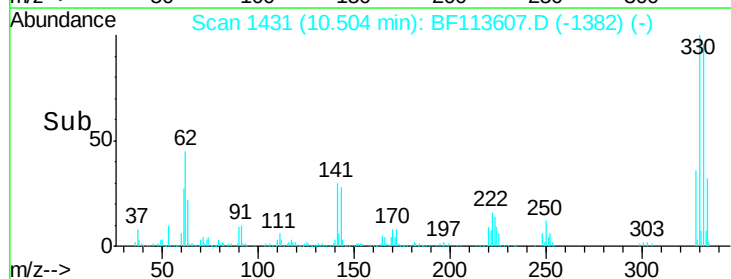
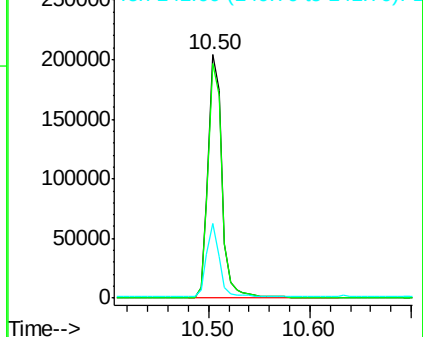
330 100

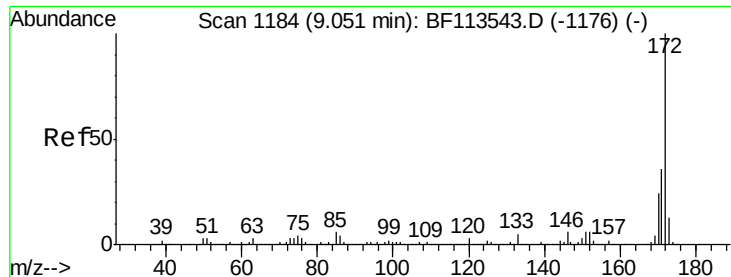
332 97.7 77.8 116.6

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

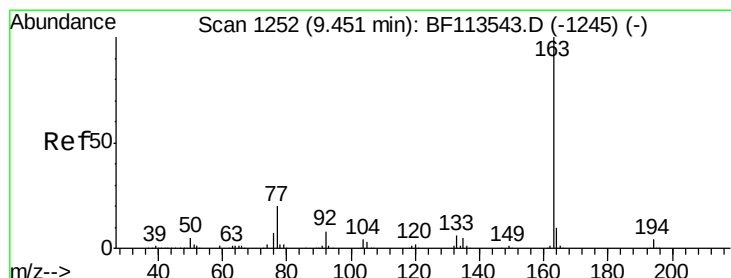
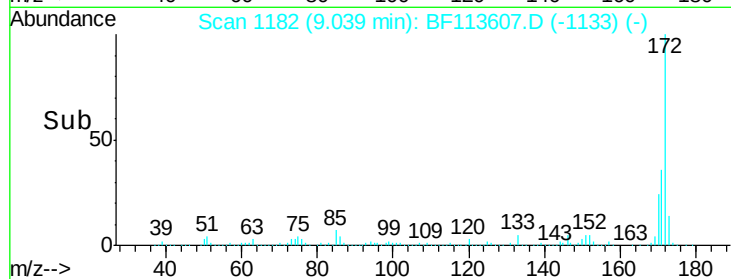
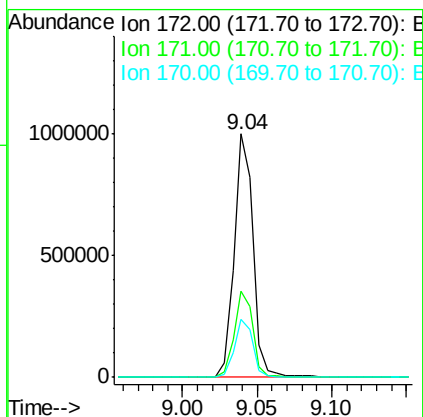
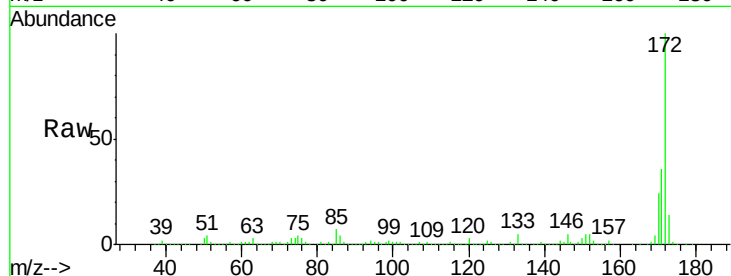




#45
2-Fluorobiphenyl
Concen: 80.050 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

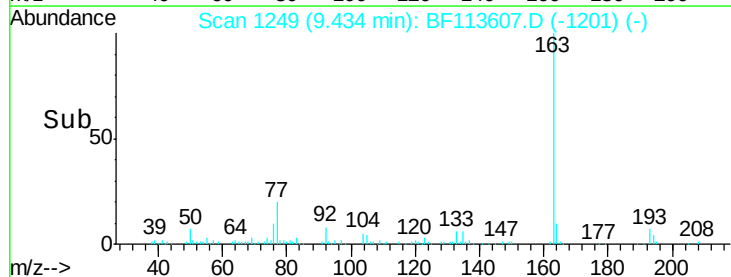
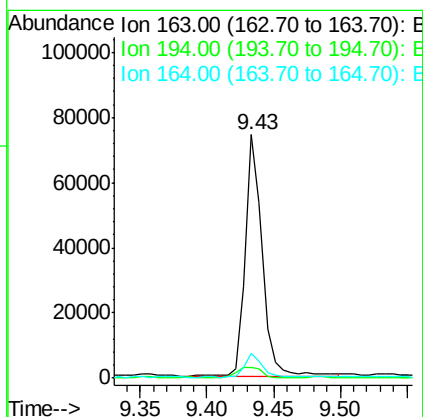
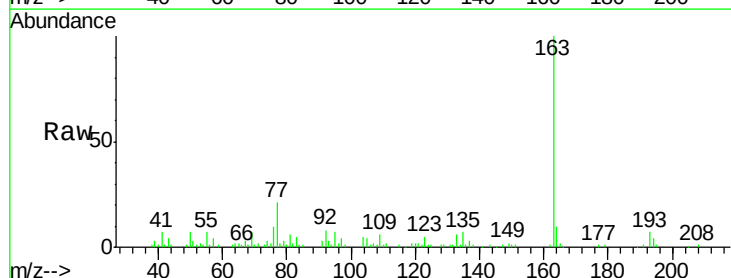
Instrument :
BNA_F
ClientSampled :

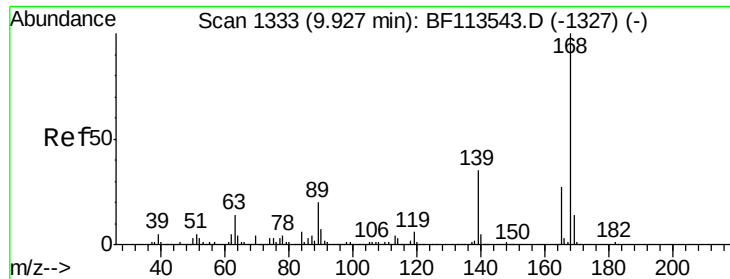
Tot Ion:172 Resp: 896105
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 24.0 19.5 29.3



#50
Dimethylphthalate
Concen: 4.929 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Tgt Ion:163 Resp: 65477
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.4 8.1 12.1

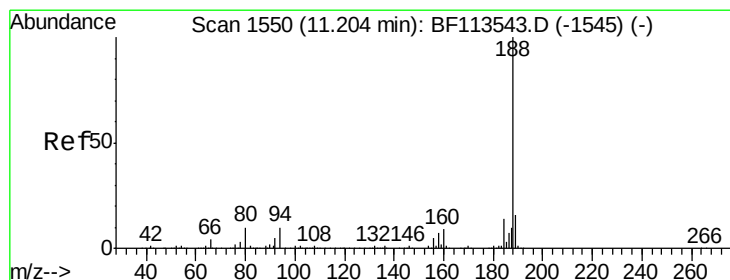
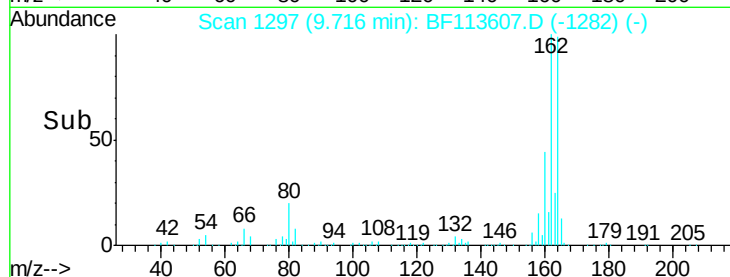
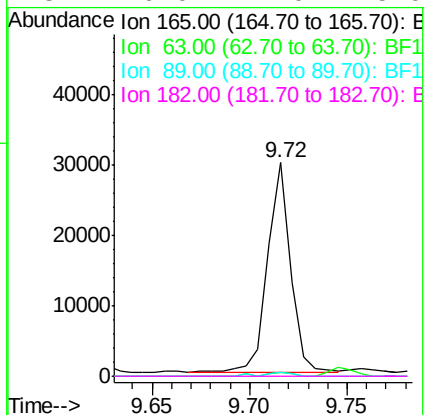
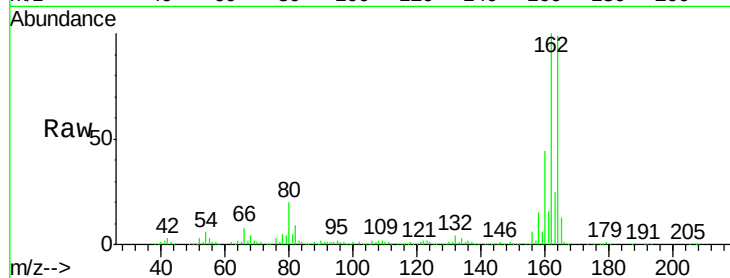




#57
 2,4-Dinitrotoluene
 Concen: 6.828 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF113607.D
 Acq: 5 Apr 2019 2:48

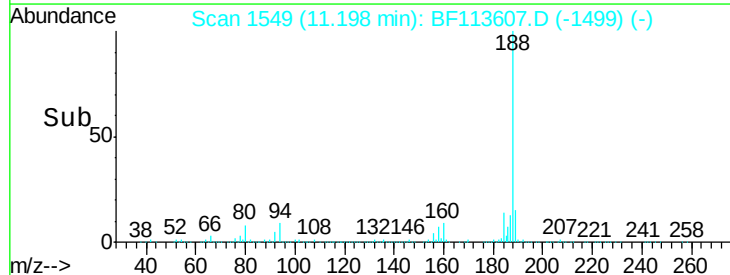
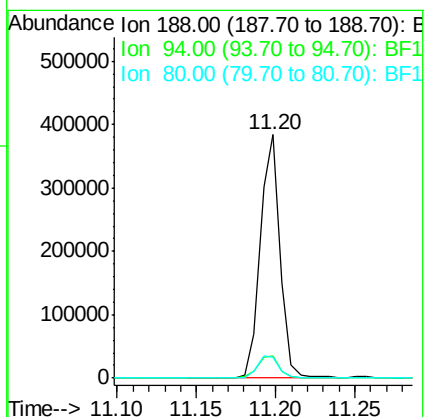
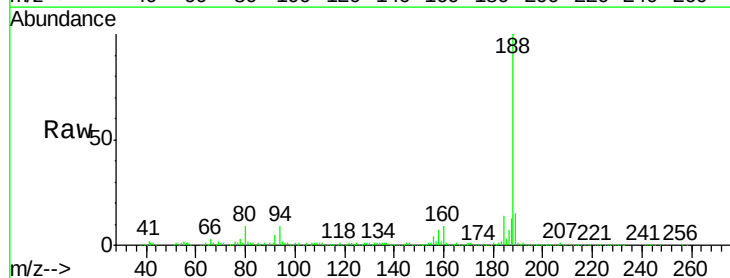
Instrument :
 BNA_F
 ClientSampleId :

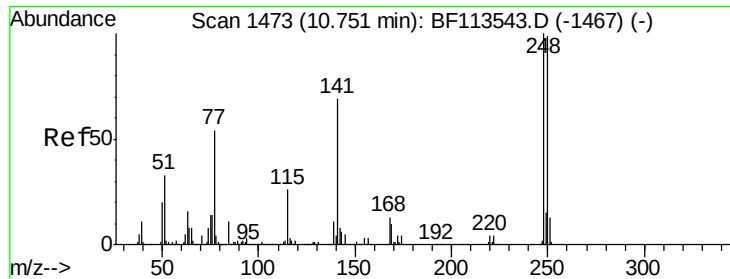
Tot Ion:165 Resp: 24180
 Ion Ratio Lower Upper
 165 100
 63 1.8 37.5 56.3#
 89 1.6 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF113607.D
 Acq: 5 Apr 2019 2:48

Tgt Ion:188 Resp: 334726
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.0 10.6
 80 8.7 7.7 11.5

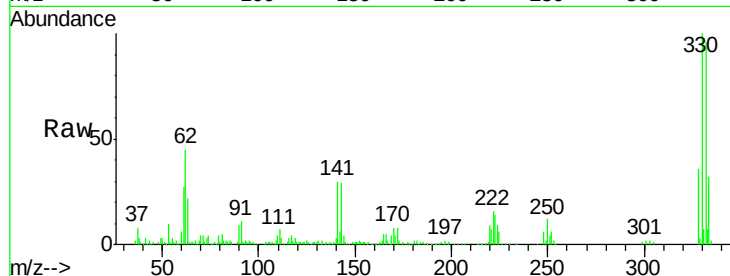




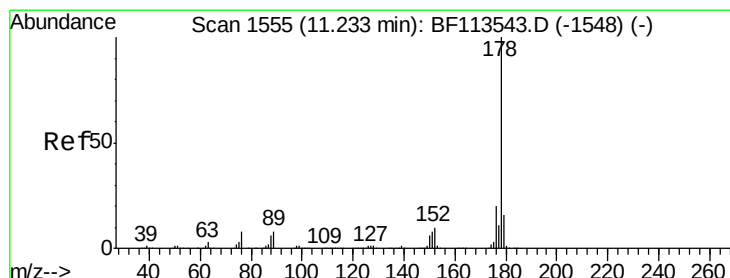
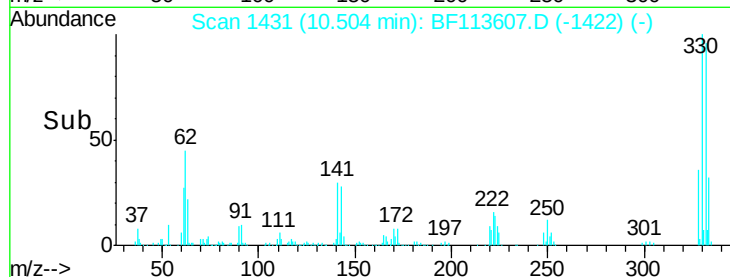
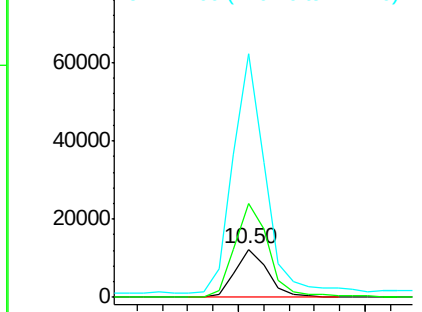
#67
 4-Bromophenyl-phenylether
 Concen: 2.907 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF113607.D
 Acq: 5 Apr 2019 2:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10912
 Ion Ratio Lower Upper
 248 100
 250 193.2 78.3 117.5#
 141 504.3 56.2 84.4#

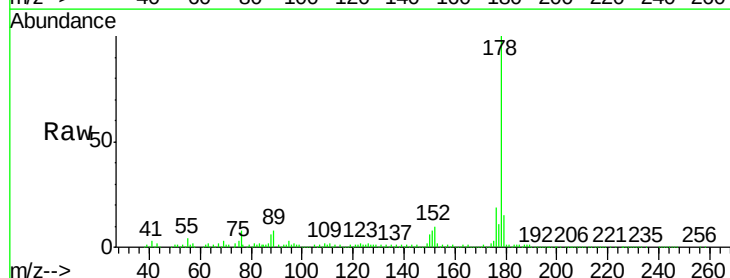


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

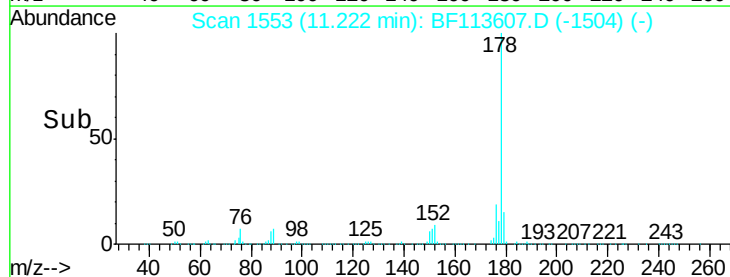
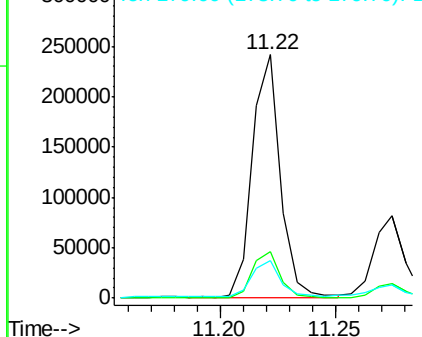


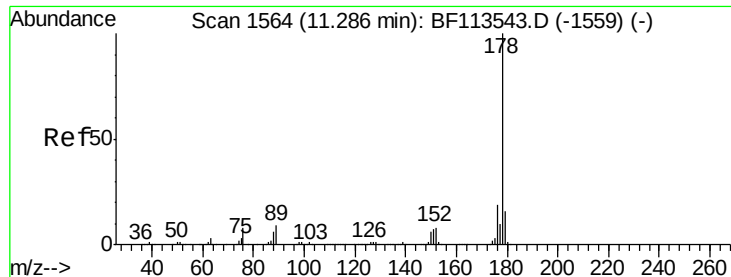
#71
 Phenanthrene
 Concen: 12.265 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF113607.D
 Acq: 5 Apr 2019 2:48

Tgt Ion:178 Resp: 204009
 Ion Ratio Lower Upper
 178 100
 176 19.3 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: 4.144 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

Instrument :

BNA_F

ClientSampled :

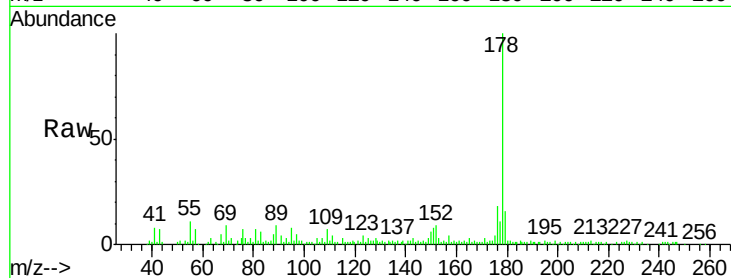
Tot Ion:178 Resp: 70122

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

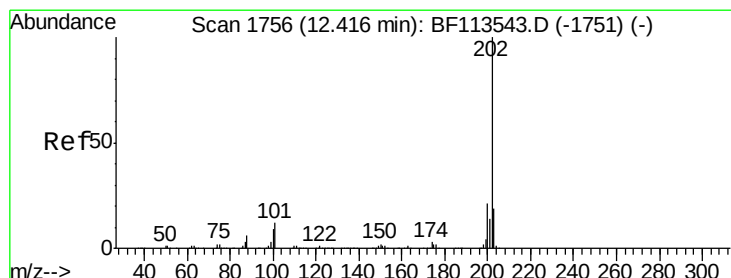
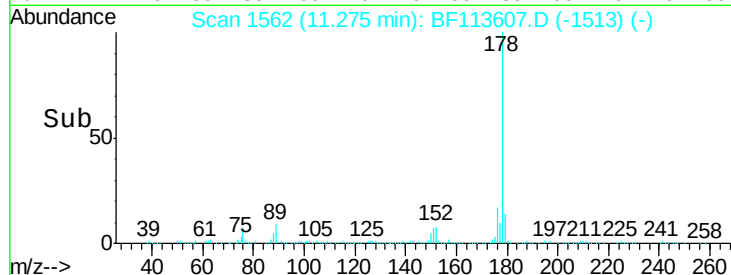
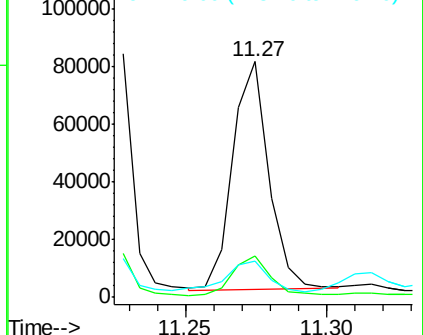
179 15.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.698 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113607.D

Acq: 5 Apr 2019 2:48

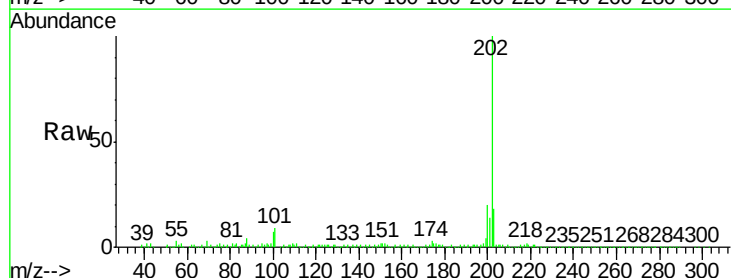
Tgt Ion:202 Resp: 333254

Ion Ratio Lower Upper

202 100

101 9.2 0.0 31.4

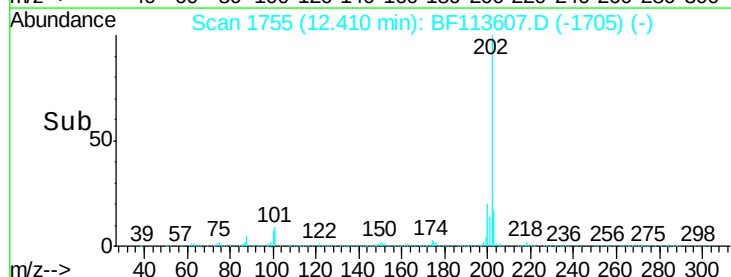
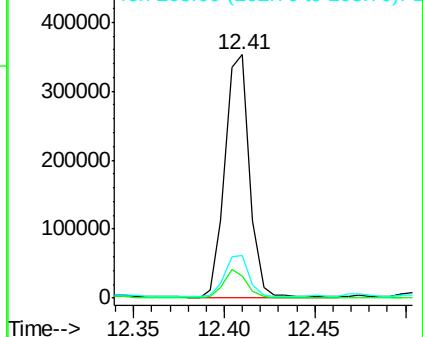
203 17.7 0.0 38.0

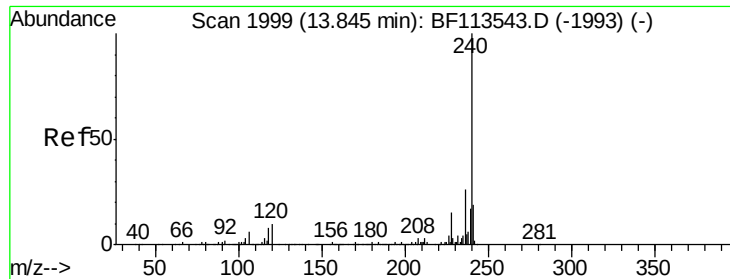


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

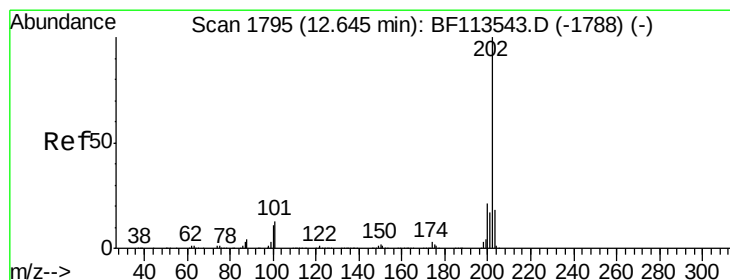
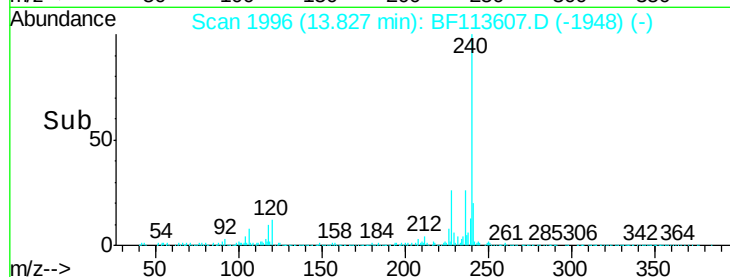
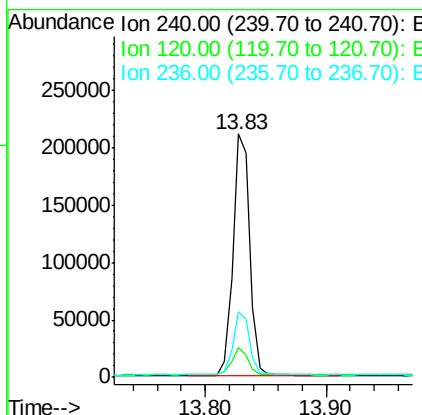
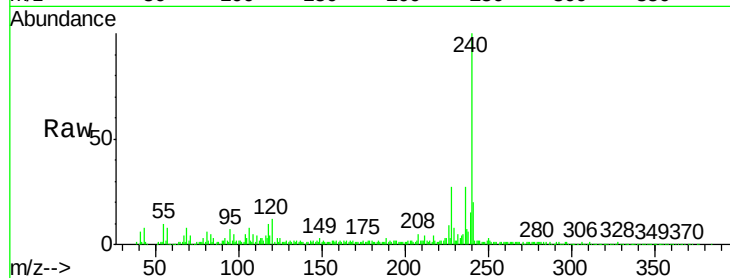




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

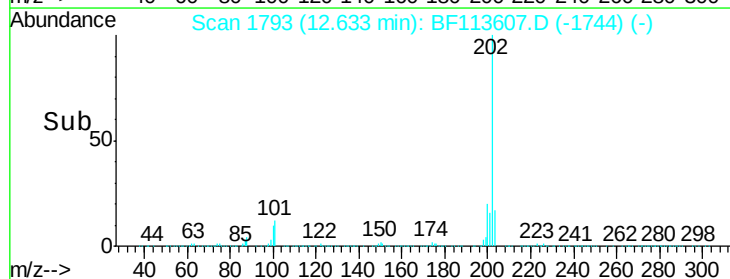
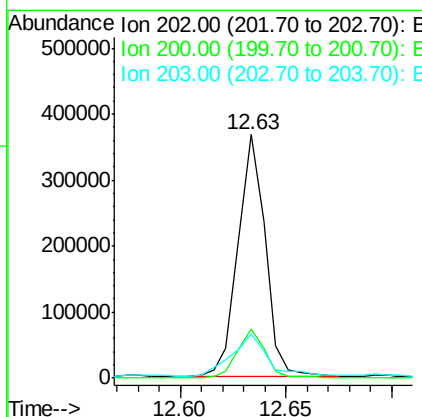
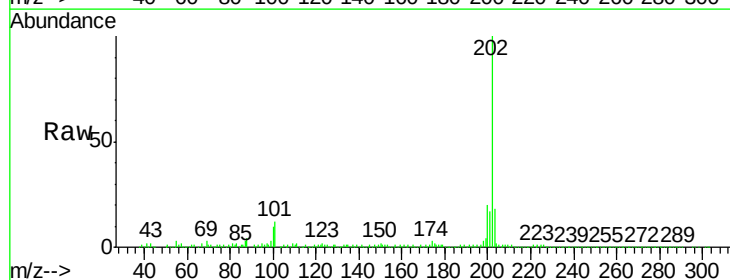
Instrument :
BNA_F
ClientSampleId :

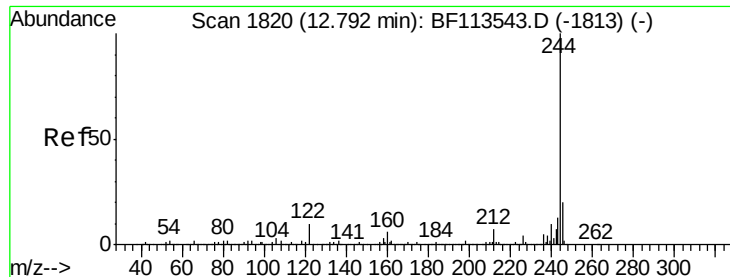
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.8	13.2
236	26.9	20.9	31.3



#78
Pyrene
Concen: 21.309 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	18.2	14.4	21.6

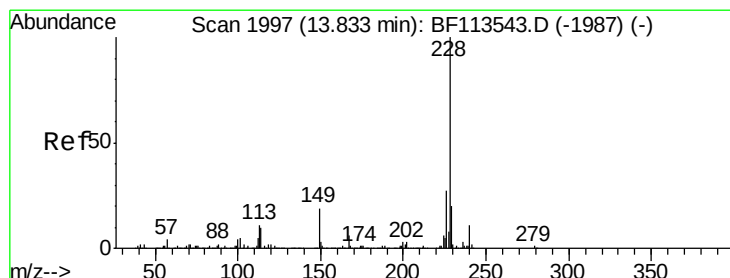
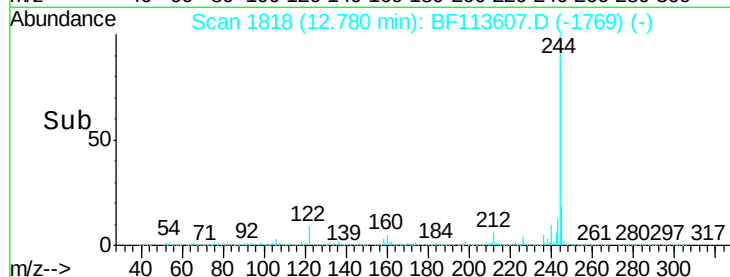
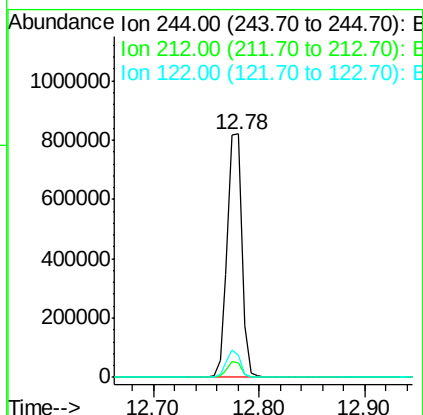
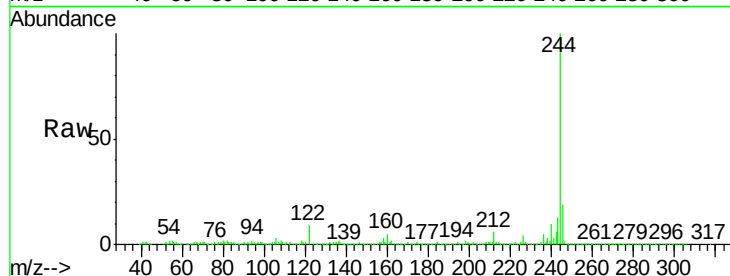




#79
 Terphenyl-d14
 Concen: 79.301 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF113607.D
 Acq: 5 Apr 2019 2:48

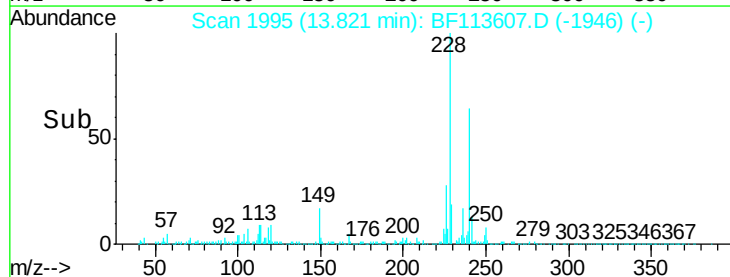
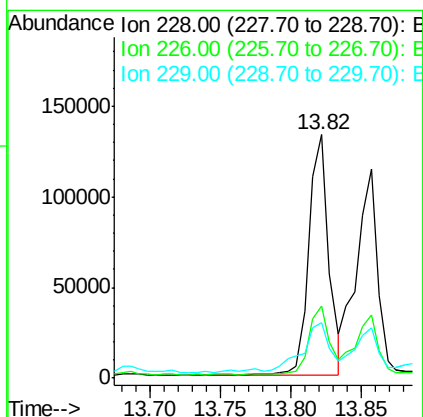
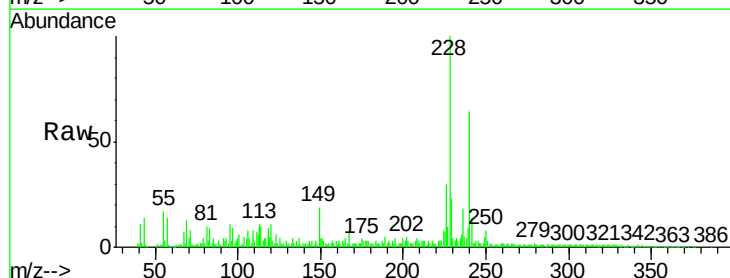
Instrument :
 BNA_F
 ClientSampleID :

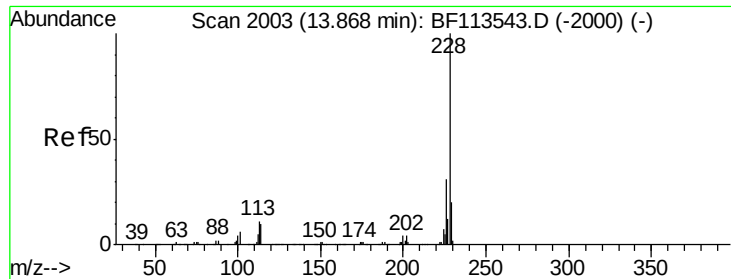
Tot Ion:244 Resp: 793156
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.5 8.3
 122 9.0 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 11.066 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF113607.D
 Acq: 5 Apr 2019 2:48

Tgt Ion:228 Resp: 129994
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.8 32.8
 229 22.6 16.2 24.4

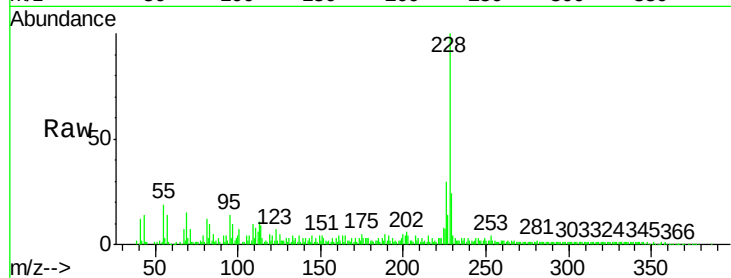




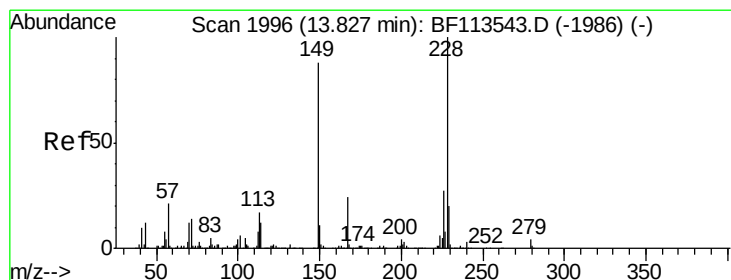
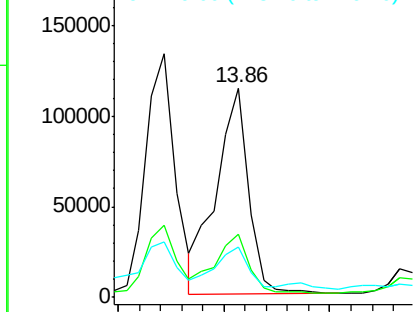
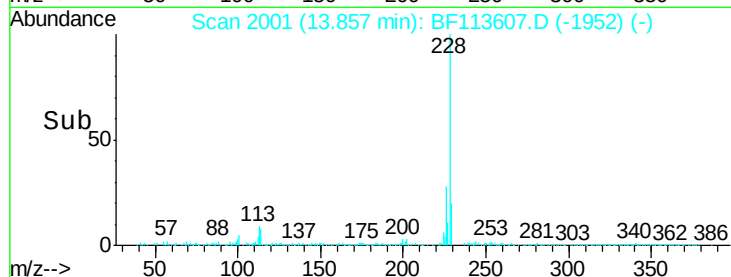
#83
Chrysene
Concen: 10.189 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 121332
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 23.8 16.3 24.5

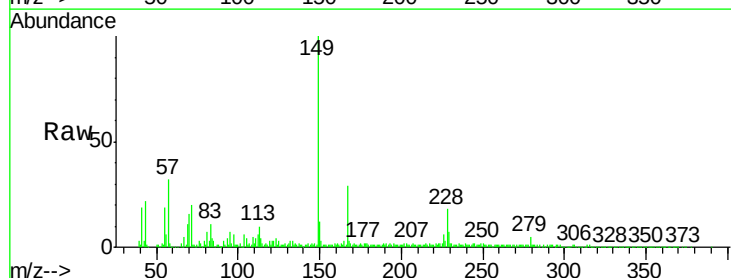


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

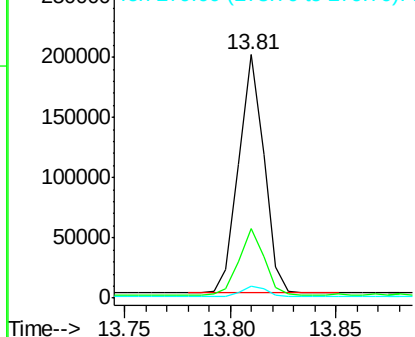
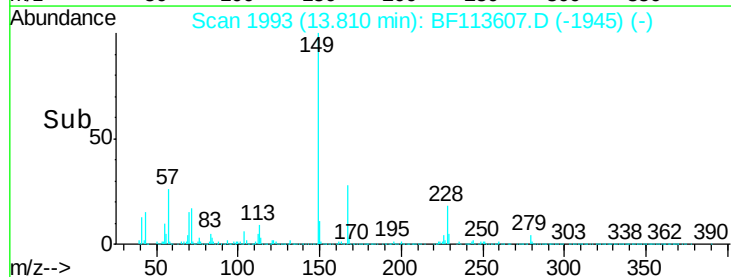


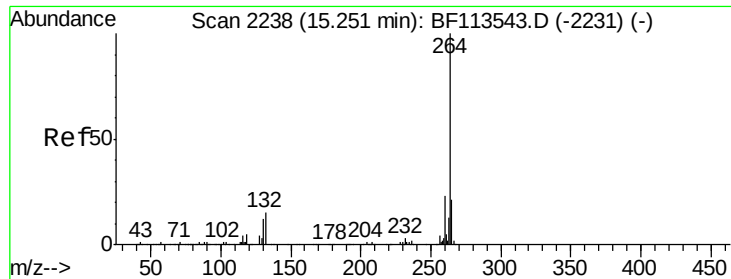
#84
Bis(2-ethylhexyl)phthalate
Concen: 21.633 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Tgt Ion:149 Resp: 164969
Ion Ratio Lower Upper
149 100
167 28.6 21.8 32.8
279 4.7 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

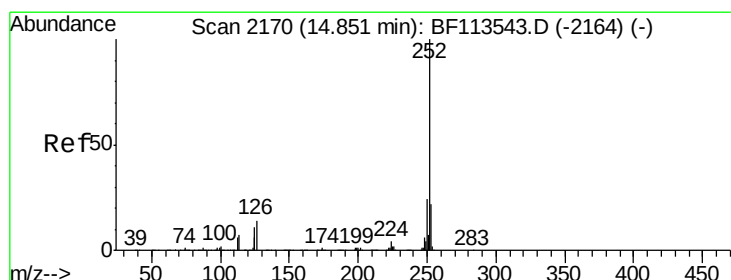
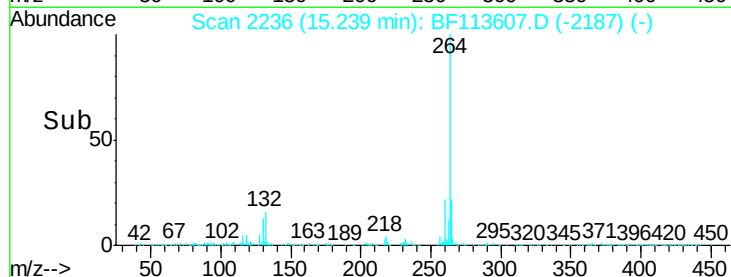
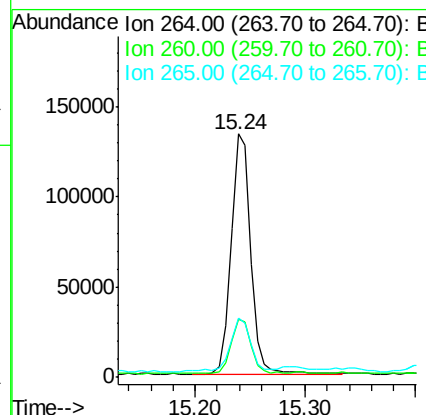
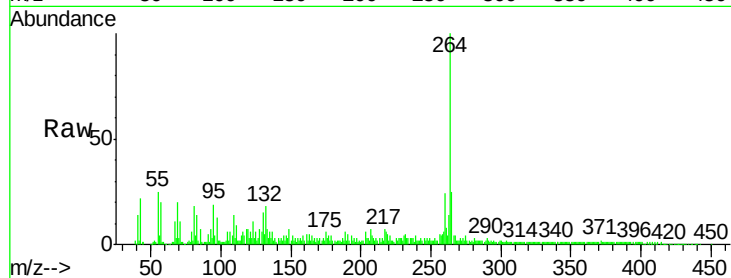




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

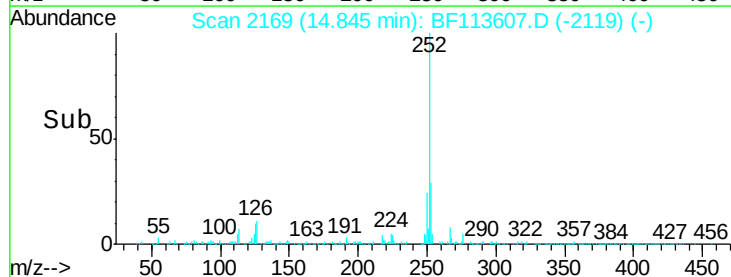
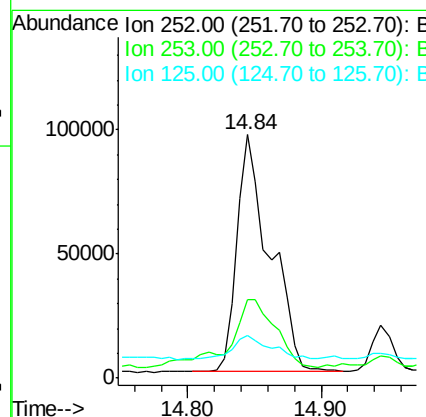
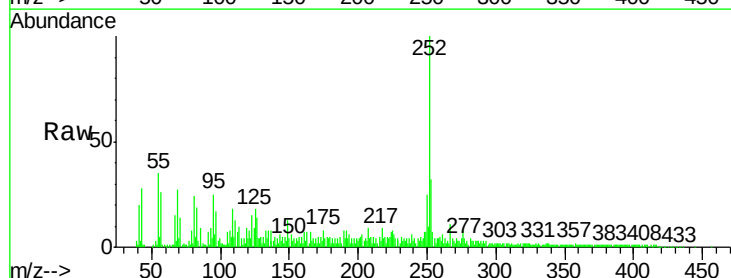
Instrument :
BNA_F
ClientSampleId :

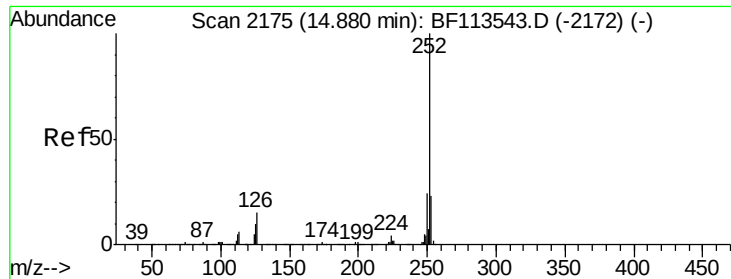
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	24.5	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 16.048 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	18.0	27.0#
125	17.7	7.6	11.4#

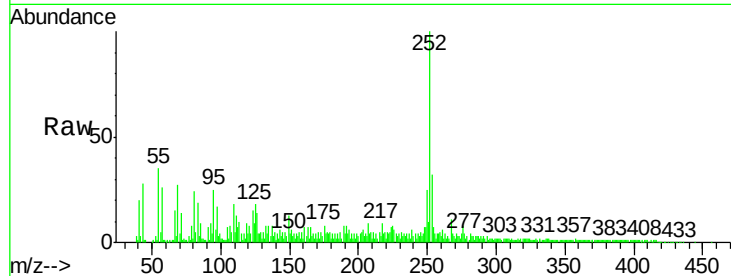




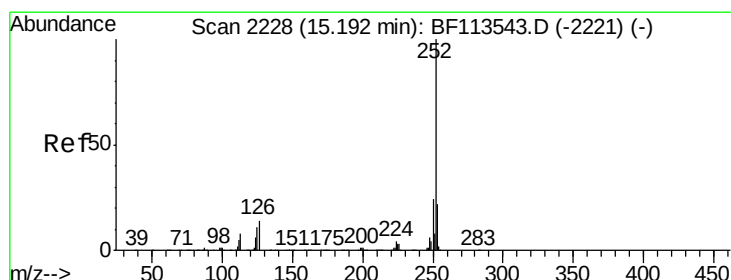
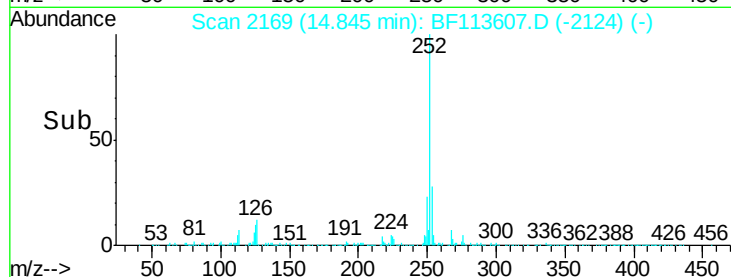
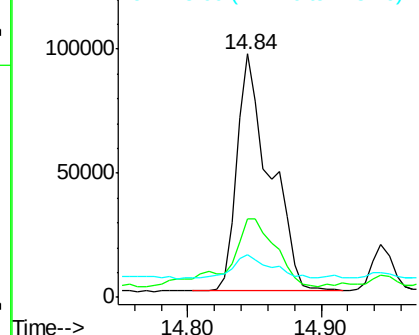
#89
Benzo(k)fluoranthene
Concen: 17.881 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.7	26.5#
125	17.7	7.3	10.9#

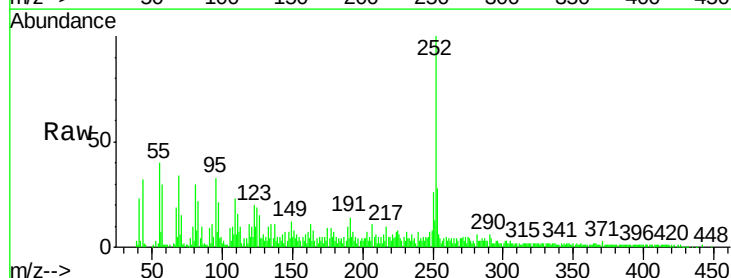


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

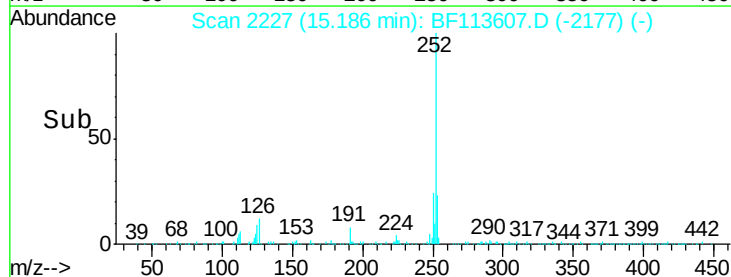
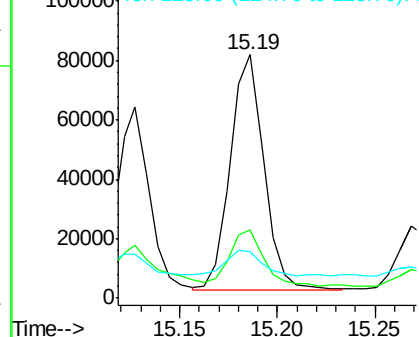


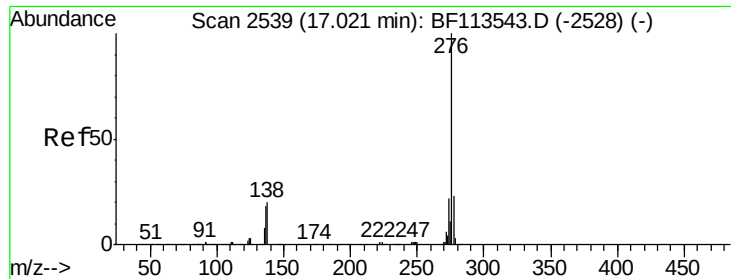
#90
Benzo(a)pyrene
Concen: 10.538 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113607.D
Acq: 5 Apr 2019 2:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.9	26.9#
125	18.9	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

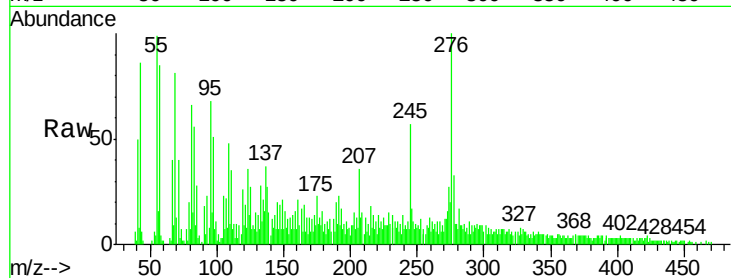




#92
 Benzo(a,h,i)perylene
 Concen: 5.658 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.00 min
 Lab File: BF113607.D
 Acq: 5 Apr 2019 2:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.3	18.8	28.2
138	26.6	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

