

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111599.D
 Acq On : 19 Dec 2018 19:25
 Operator : JU/SJ
 Sample : J6403-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 10:57:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	192591	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	703318	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	337462	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	601540	20.00	ng	0.00
76) Chrysene-d12	14.04	240	517146	20.00	ng	0.00
87) Perylene-d12	15.52	264	559493	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	875459	77.48	ng	0.00
7) Phenol-d6	6.52	99	1102375	76.66	ng	0.00
23) Nitrobenzene-d5	7.45	82	675502	55.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	285085	71.50	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1138023	49.15	ng	0.00
79) Terphenyl-d14	12.99	244	1002265	36.75	ng	0.00

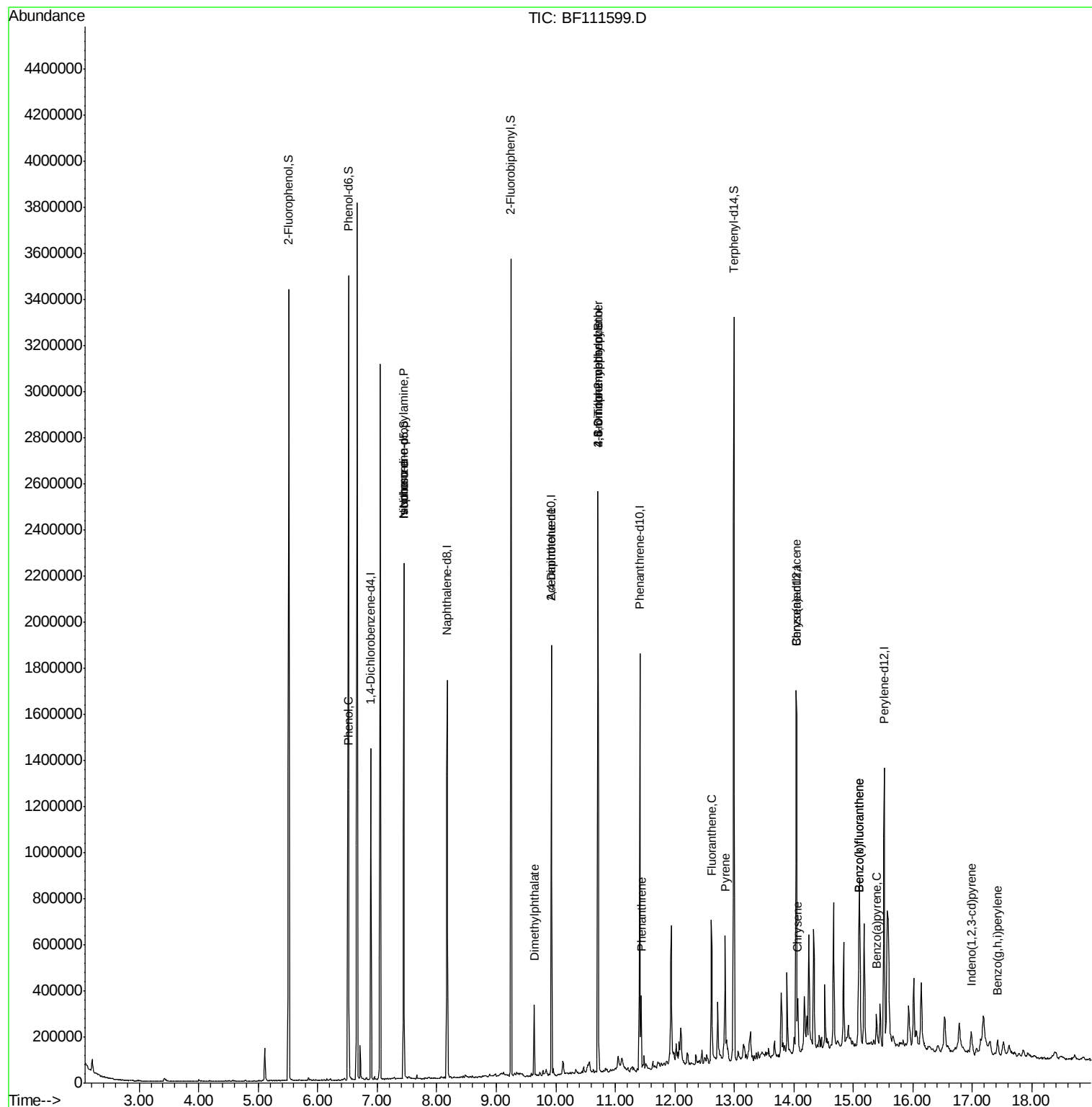
Target Compounds				Qvalue		
10) Phenol	6.53	94	71304	4.395	ng	93
19) n-Nitroso-di-n-propylamine	7.45	70	92114	9.646	ng	# 81
25) Isophorone	7.45	82	675347	31.484	ng	# 64
50) Dimethylphthalate	9.64	163	117703	4.770	ng	97
57) 2,4-Dinitrotoluene	9.93	165	43940	7.430	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.71	198	721	6.942	ng	# 1
67) 4-Bromophenyl-phenylether	10.71	248	17115	2.294	ng	# 1
71) Phenanthrene	11.43	178	111822	3.505	ng	94
75) Fluoranthene	12.62	202	216906	6.714	ng	95
78) Pyrene	12.84	202	198533	5.436	ng	95
81) Benzo(a)anthracene	14.03	228	96105	3.256	ng	100
83) Chrysene	14.07	228	98807	3.406	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	60153	2.439	ng	# 84
88) Benzo(b)fluoranthene	15.09	252	170047	5.200	ng	# 97
89) Benzo(k)fluoranthene	15.09	252	170047	5.462	ng	98
90) Benzo(a)pyrene	15.39	252	60802	2.047	ng	99
92) Benzo(a,h,i)perylene	17.43	276	52028	2.048	ng	# 87

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111599.D
Acq On : 19 Dec 2018 19:25
Operator : JU/SJ
Sample : J6403-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 20 10:57:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration



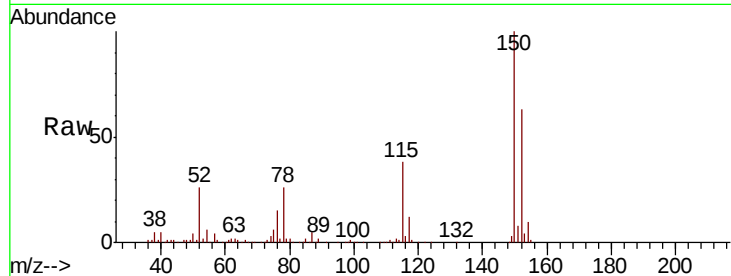


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.6	189.8
115	60.0	50.7	76.1

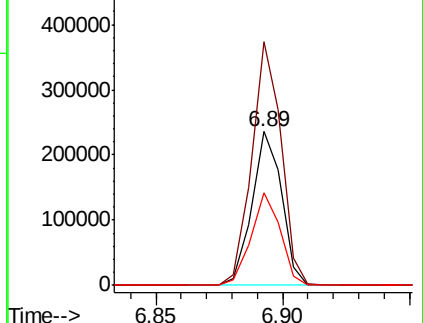
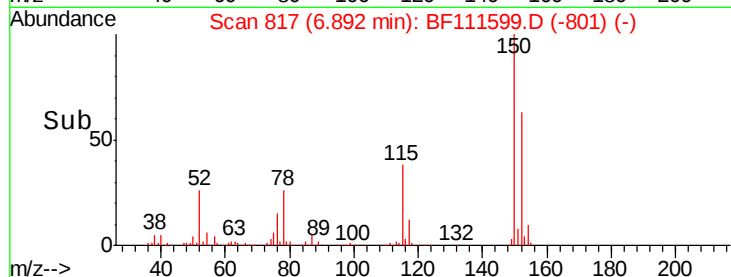


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

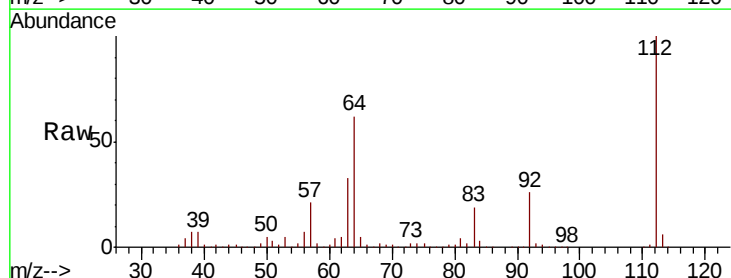
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.483 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.8	77.6
63	33.2	26.8	40.2

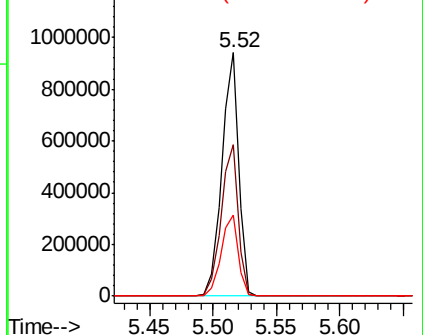
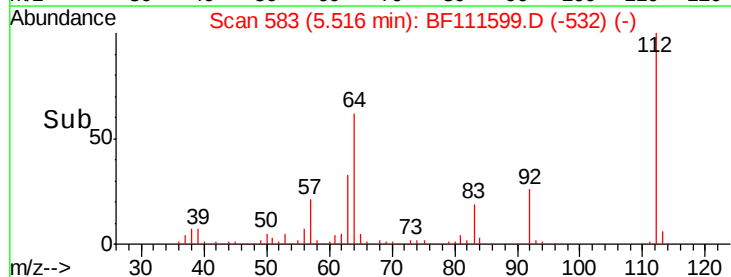


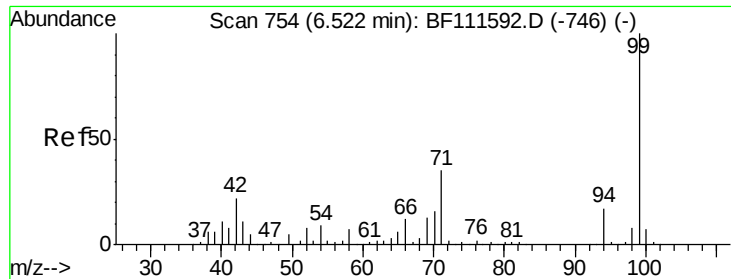
Abundance

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: 76.664 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

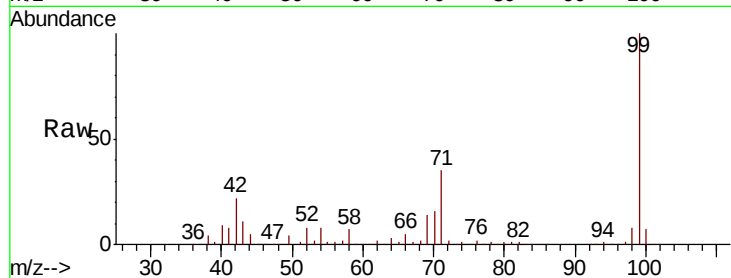
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1102375

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.4	26.0
71	34.8	26.1	39.1

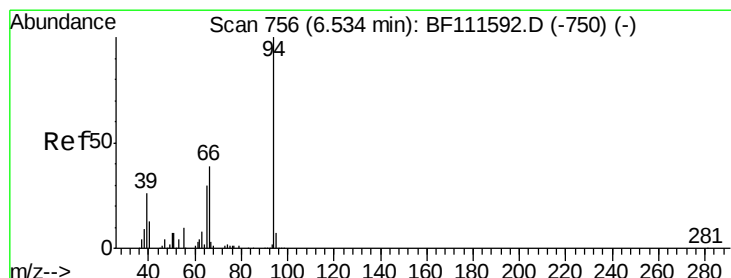
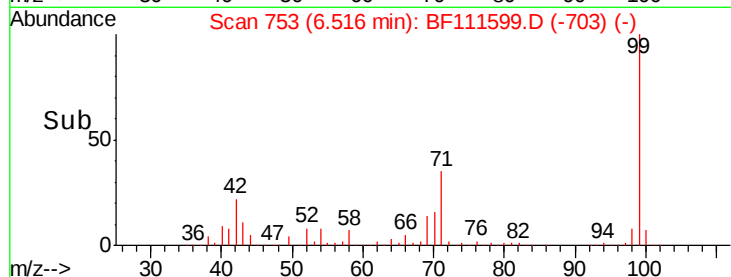
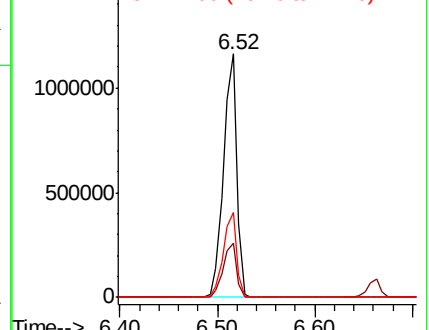


Abundance

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



#10

Phenol

Concen: 4.395 ng

RT: 6.53 min Scan# 755

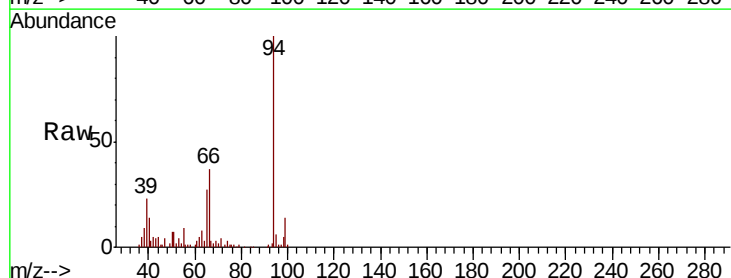
Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Tgt Ion: 94 Resp: 71304

Ion	Ratio	Lower	Upper
94	100		
65	27.2	11.7	51.7
66	36.9	21.0	61.0

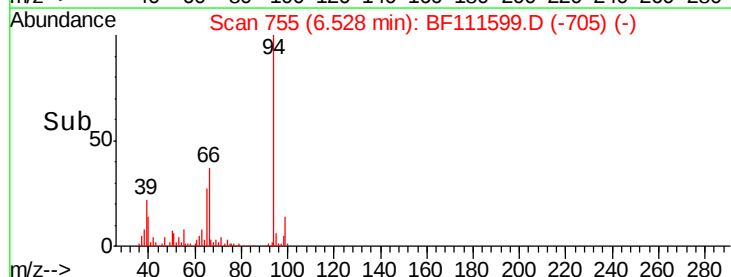
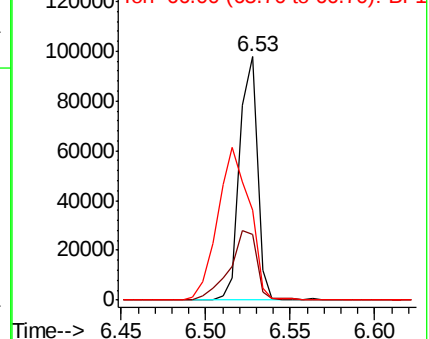


Abundance

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

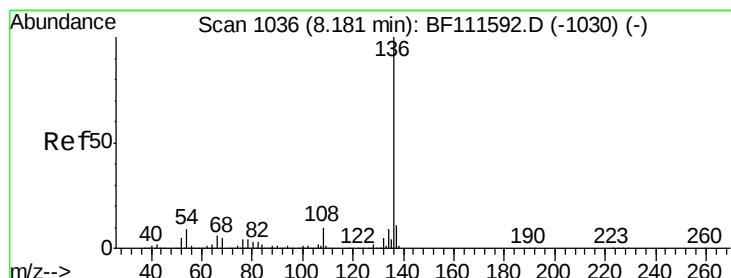
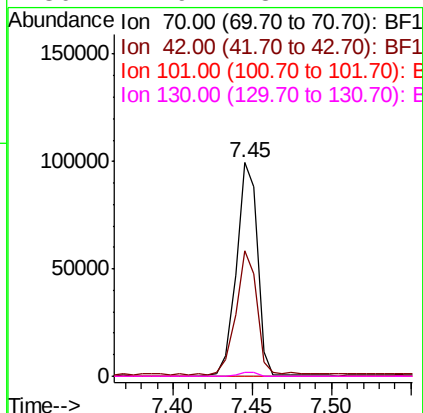
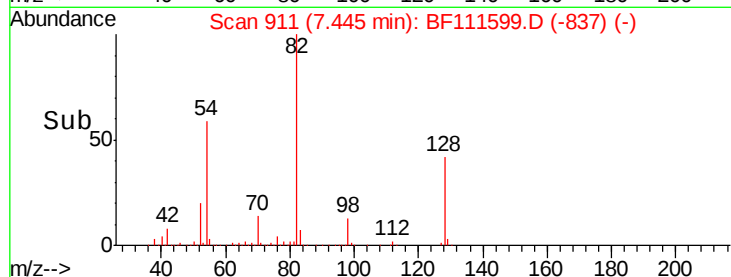
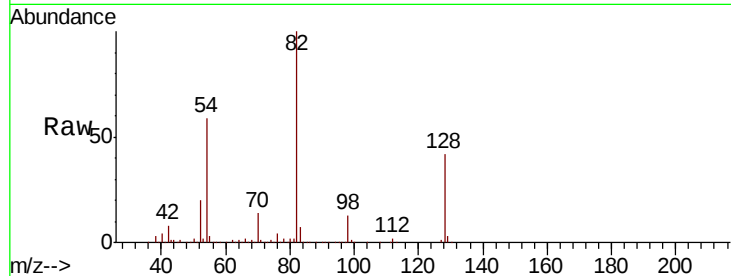




#19
n-Nitroso-di-n-propylamine
Concen: 9.646 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

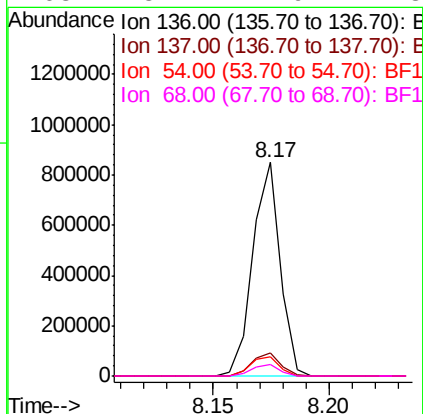
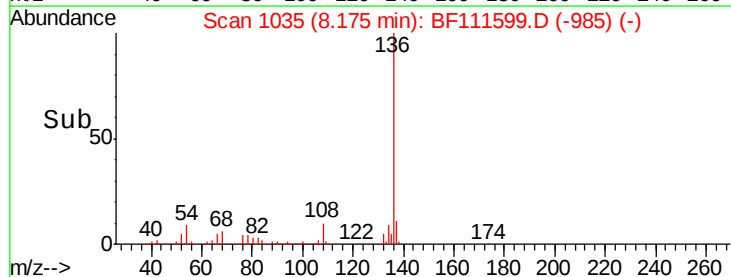
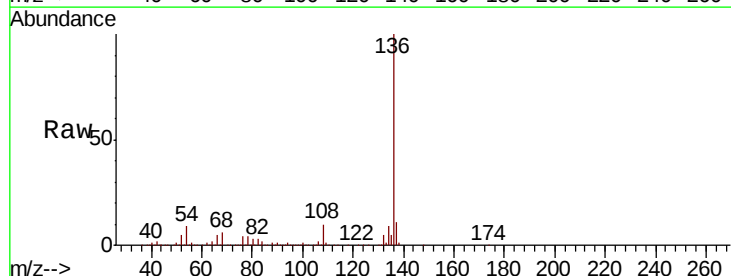
Instrument :
BNA_F
ClientSampleId :

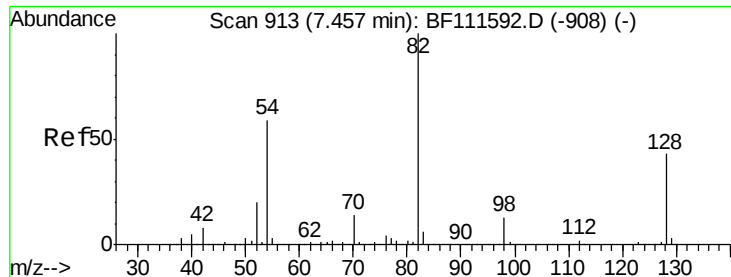
Tot Ion: 70 Resp: 92114
Ion Ratio Lower Upper
70 100
42 58.4 53.2 79.8
101 0.0 8.2 12.4#
130 1.9 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion:136 Resp: 703318
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 8.8 7.7 11.5
68 5.7 4.9 7.3

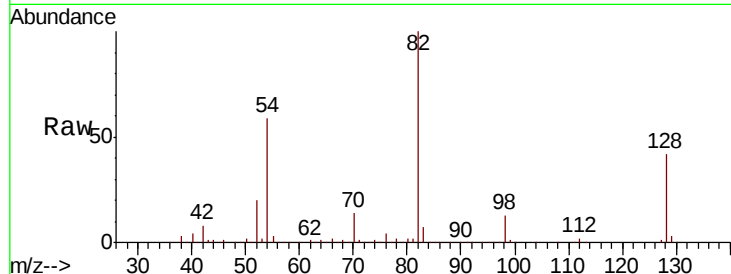




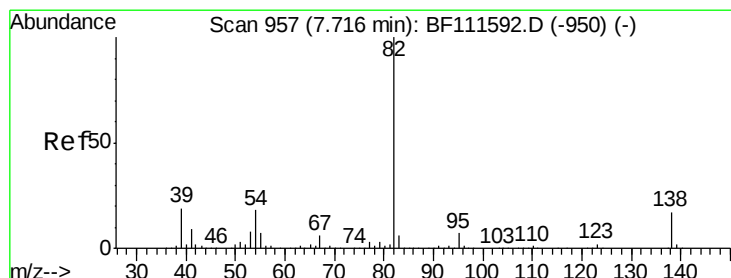
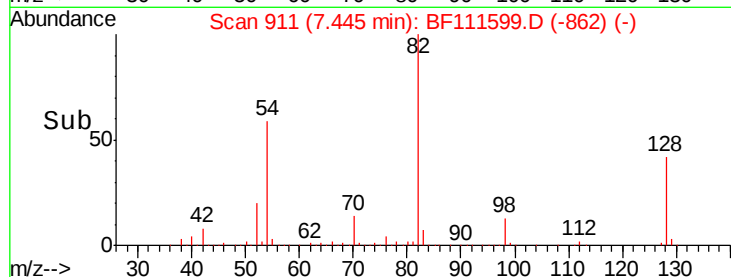
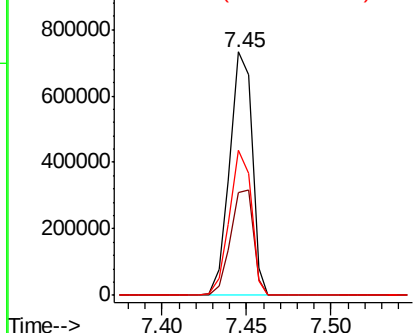
#23
 Nitrobenzene-d5
 Concen: 55.906 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 675502
 Ion Ratio Lower Upper
 82 100
 128 42.1 37.4 56.2
 54 59.3 47.6 71.4

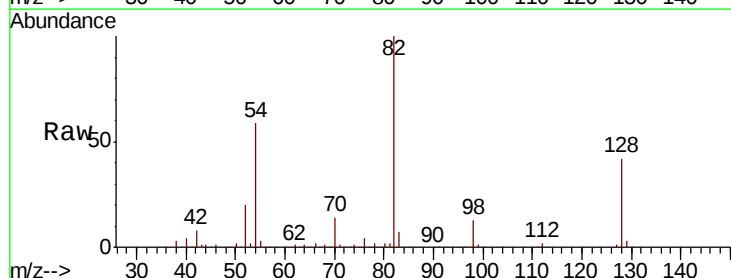


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

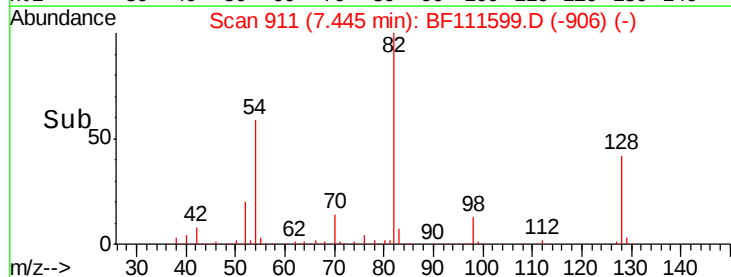
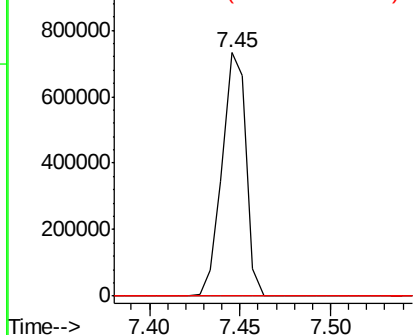


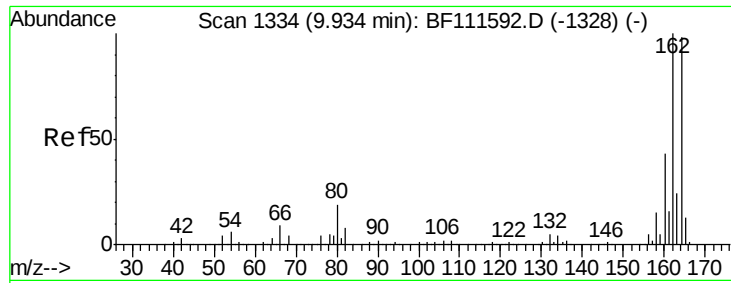
#25
 Isophorone
 Concen: 31.484 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.27 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Tgt Ion: 82 Resp: 675347
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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

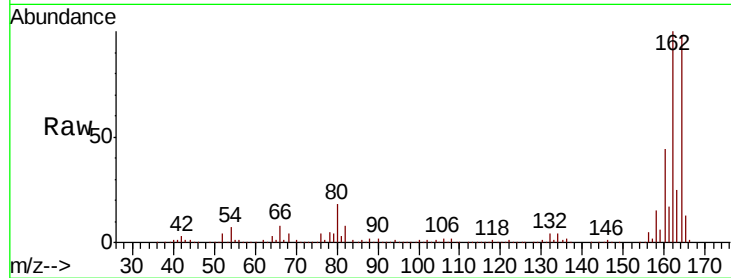




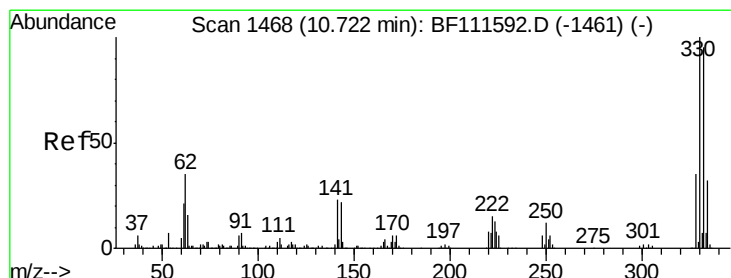
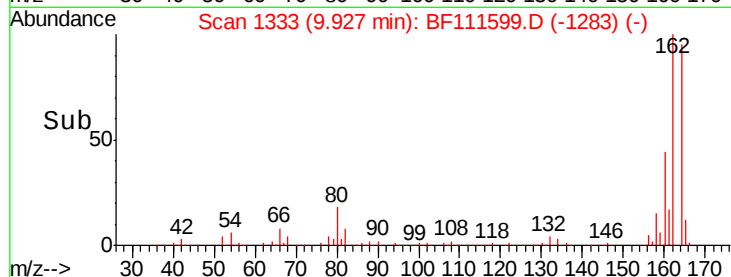
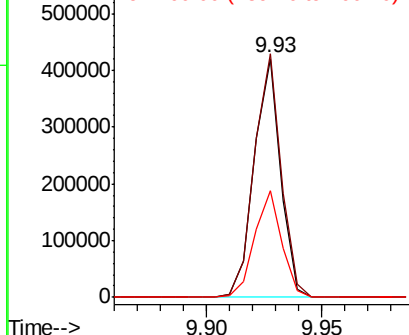
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 337462
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 44.6 35.7 53.5

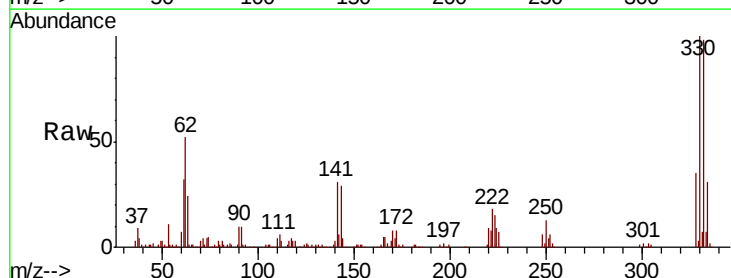


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

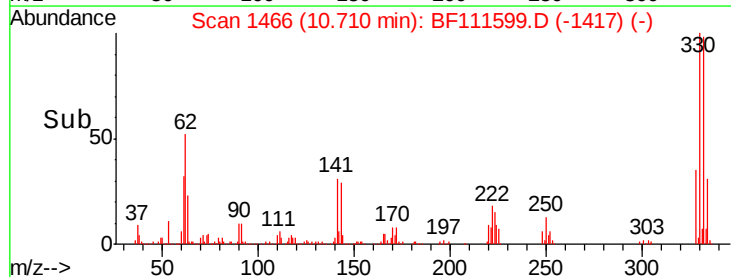
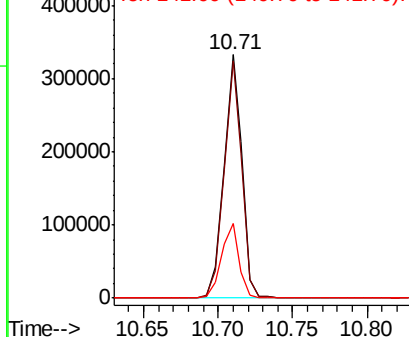


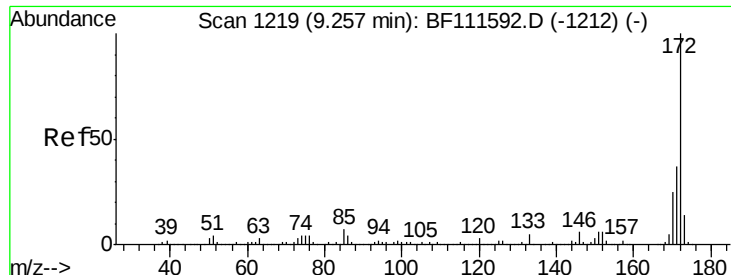
#42
2,4,6-Tribromophenol
Concen: 71.497 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion:330 Resp: 285085
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 30.2 31.0 46.6#



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

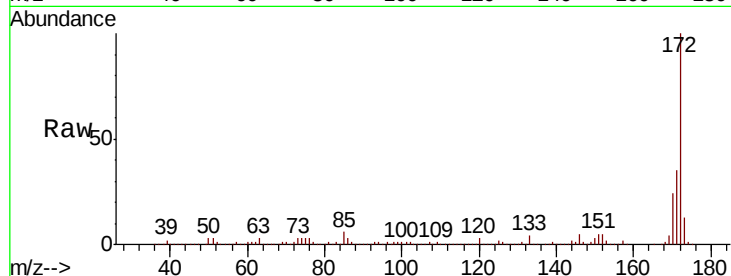




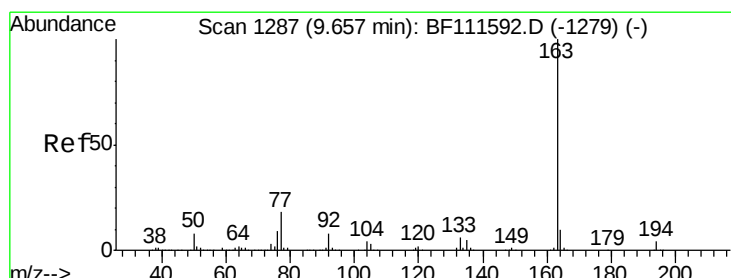
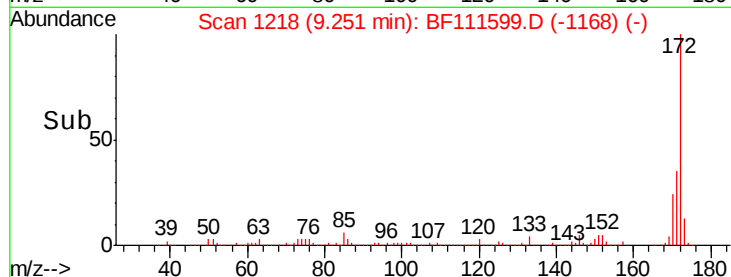
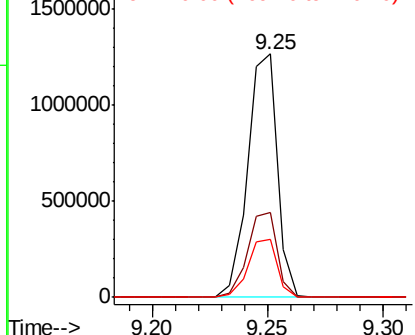
#45
2-Fluorobiphenyl
Concen: 49.154 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1138023
Ion Ratio Lower Upper
172 100
171 35.1 33.0 49.4
170 23.7 22.3 33.5

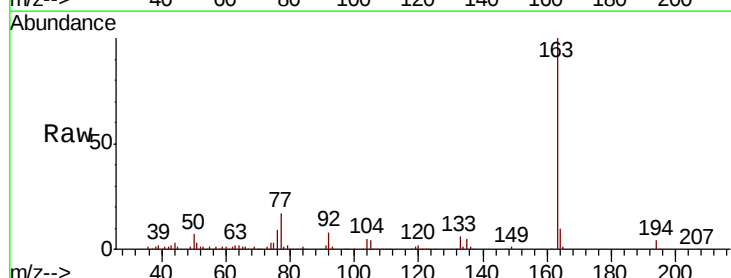


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

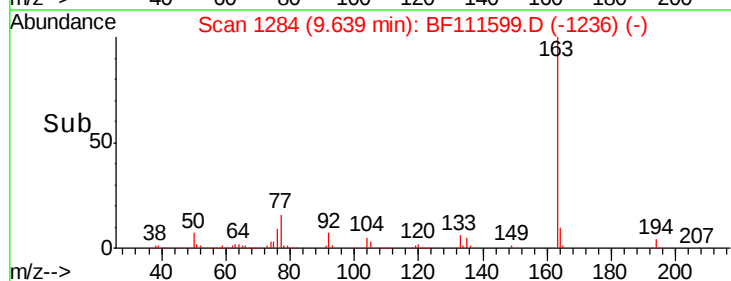
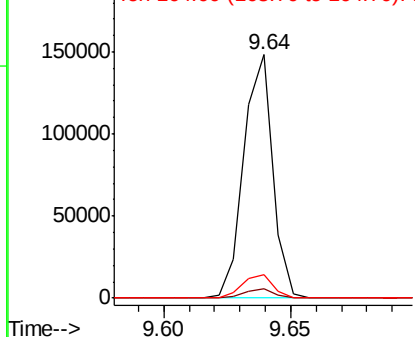


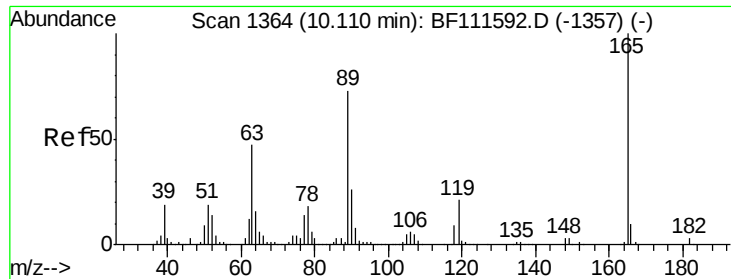
#50
Dimethylphthalate
Concen: 4.770 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion:163 Resp: 117703
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.7 8.9 13.3



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

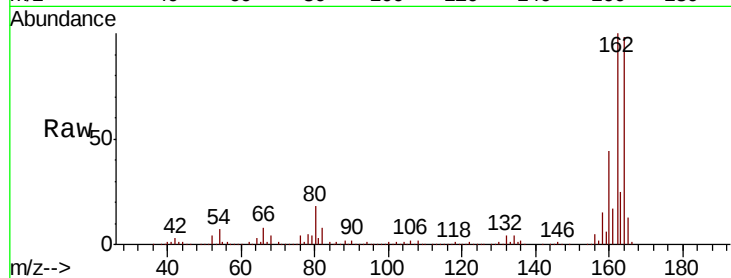




#57
 2,4-Dinitrotoluene
 Concen: 7.430 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.7	56.2	84.4#
182	0.0	1.8	2.6#



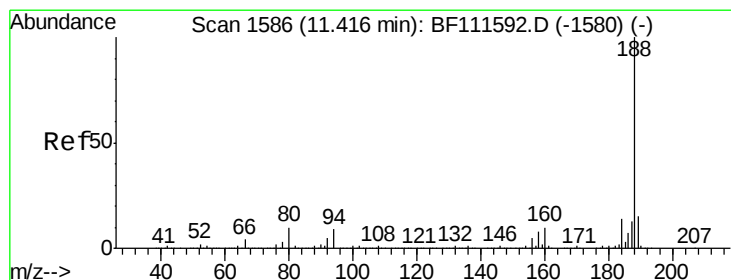
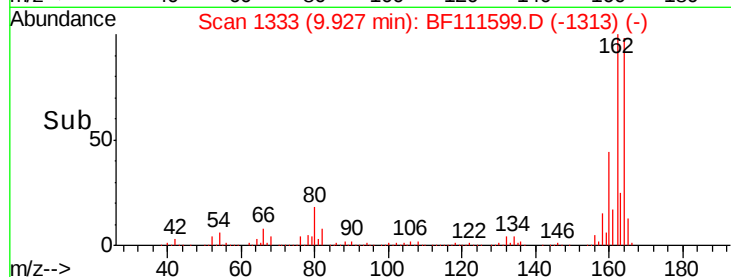
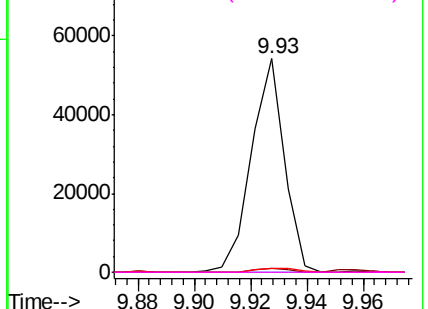
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

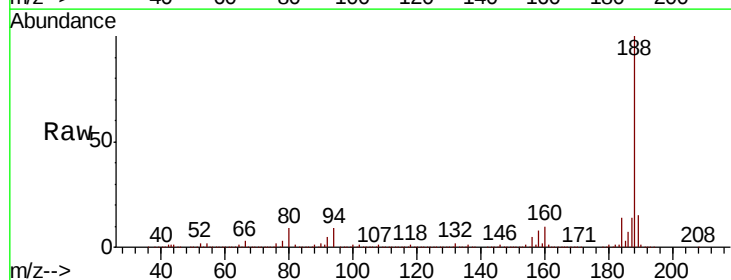
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.6	14.4#
80	9.4	9.8	14.6#

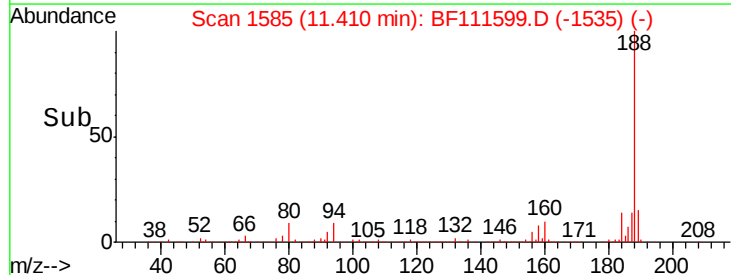
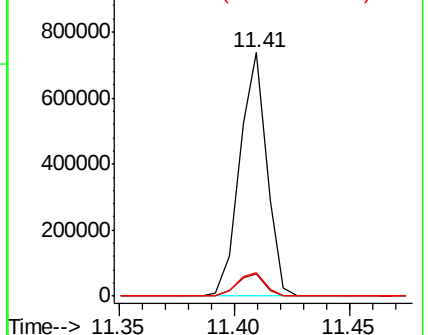


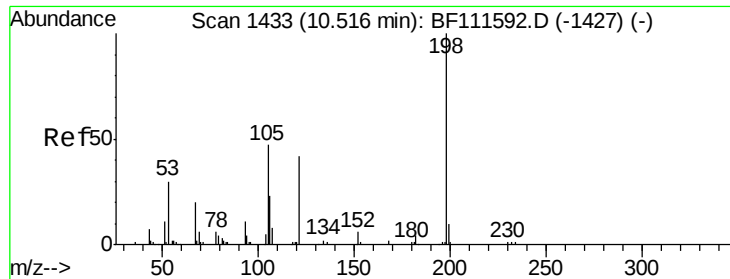
Abundance

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

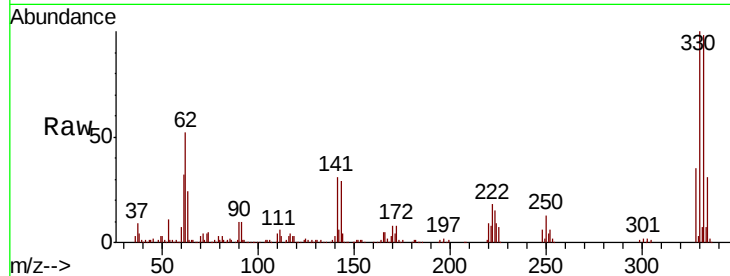




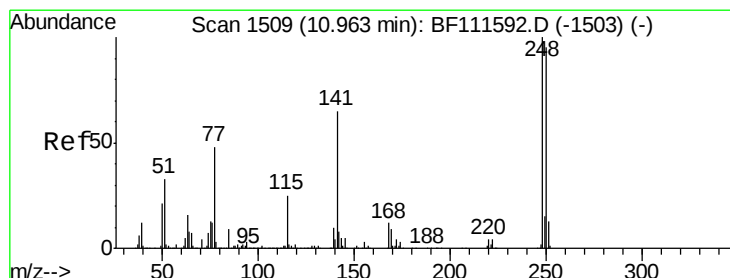
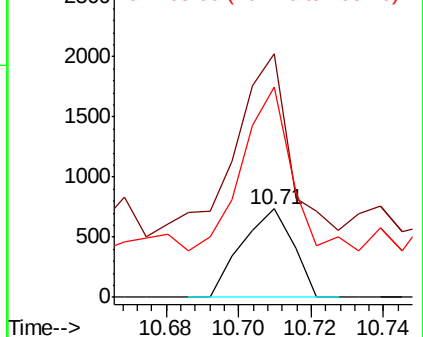
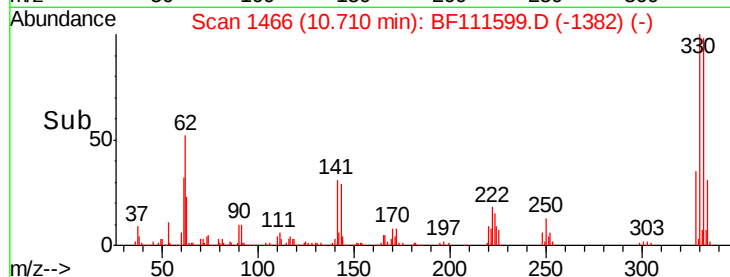
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.942 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 721
 Ion Ratio Lower Upper
 198 100
 51 276.3 48.0 88.0#
 105 238.1 34.0 74.0#

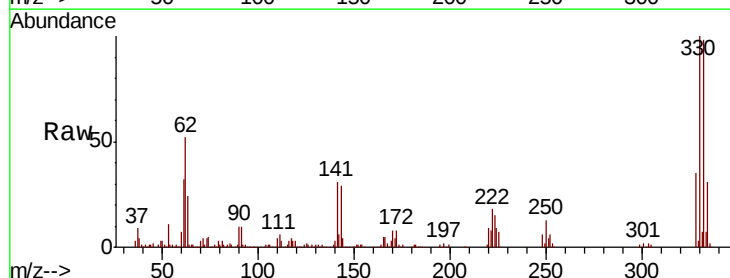


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

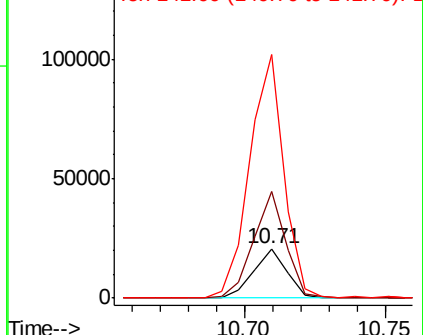
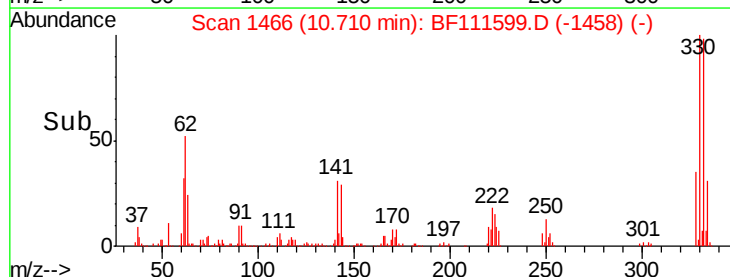


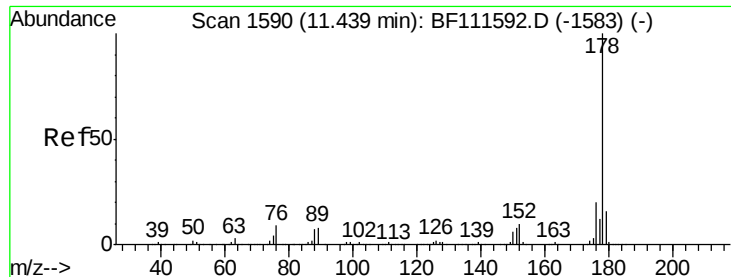
#67
 4-Bromophenyl-phenylether
 Concen: 2.294 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Tgt Ion:248 Resp: 17115
 Ion Ratio Lower Upper
 248 100
 250 217.7 77.0 115.4#
 141 496.5 63.0 94.6#



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: 3.505 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Instrument :

BNA_F

ClientSampleId :

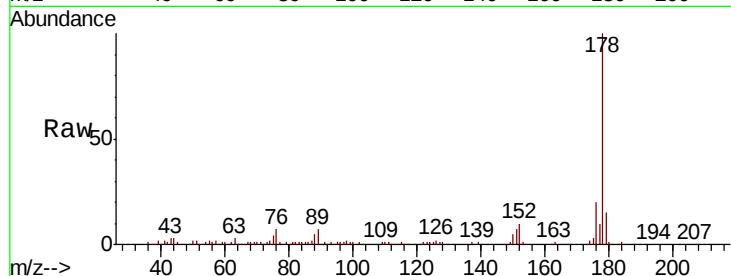
Tot Ion:178 Resp: 111822

Ion Ratio Lower Upper

178 100

176 19.8 18.1 27.1

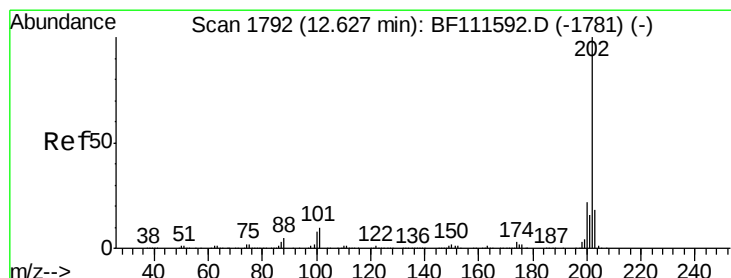
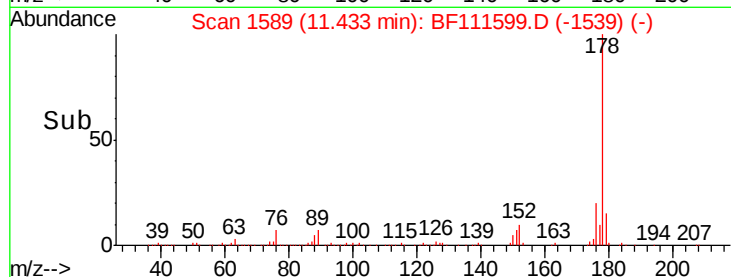
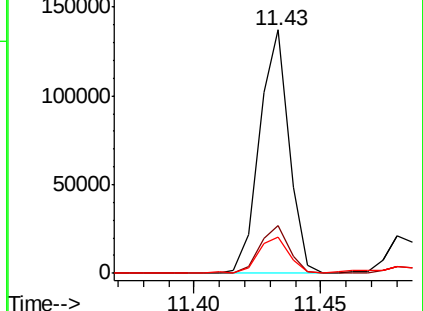
179 14.9 14.0 21.0



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: 6.714 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

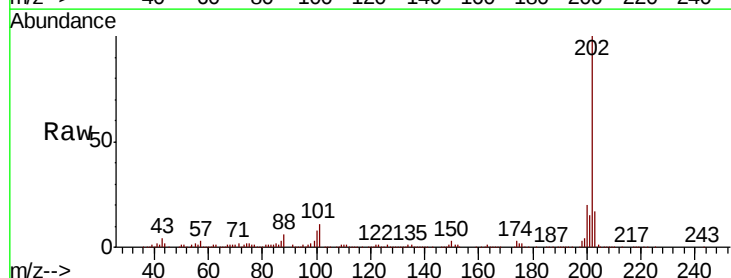
Tgt Ion:202 Resp: 216906

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.8

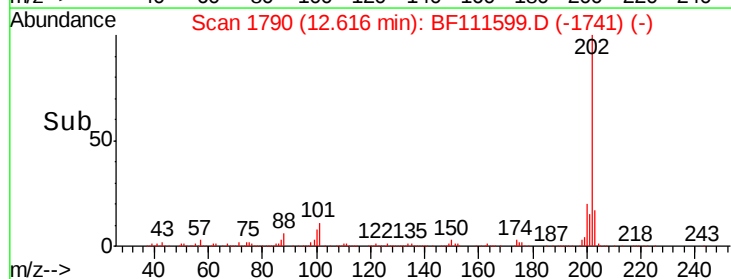
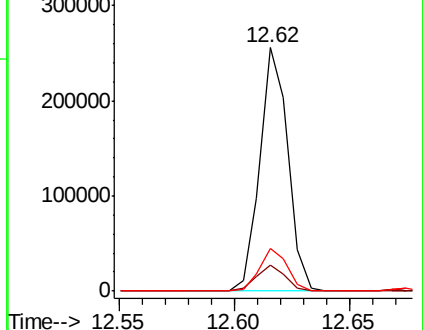
203 17.3 0.0 38.6

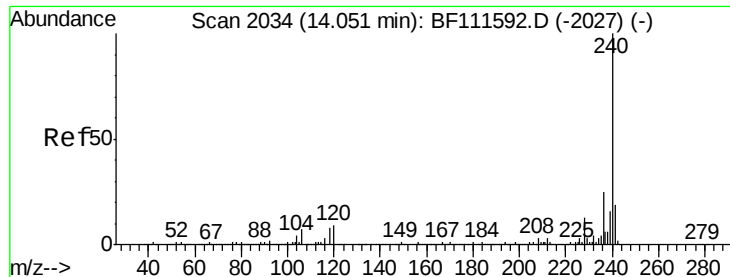


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

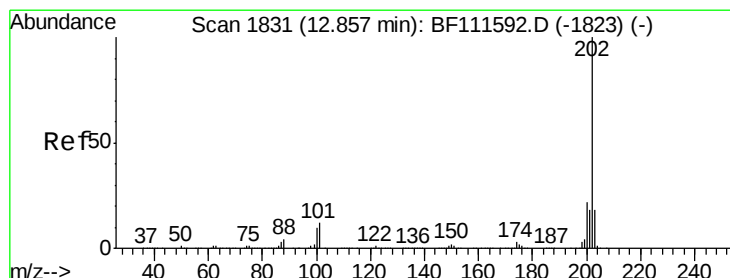
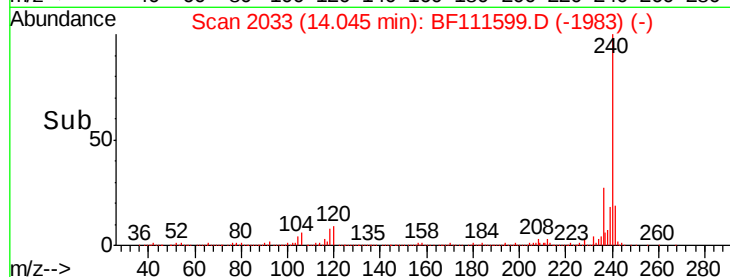
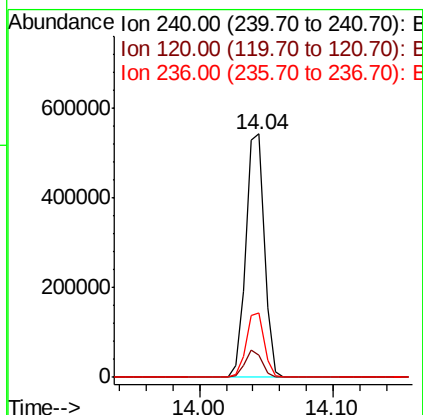
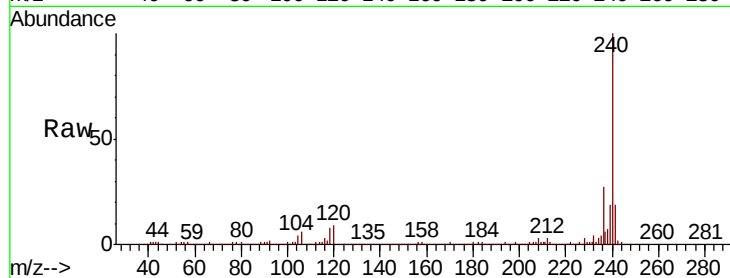




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

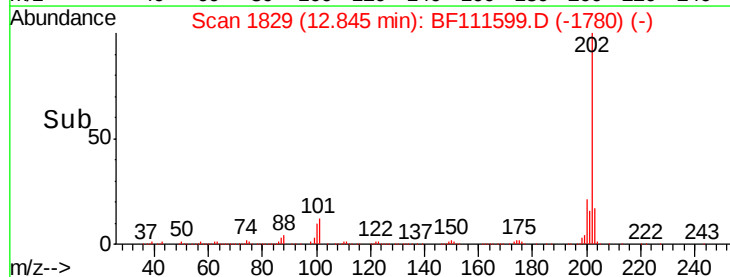
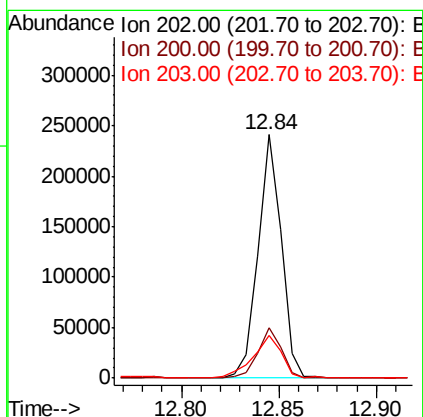
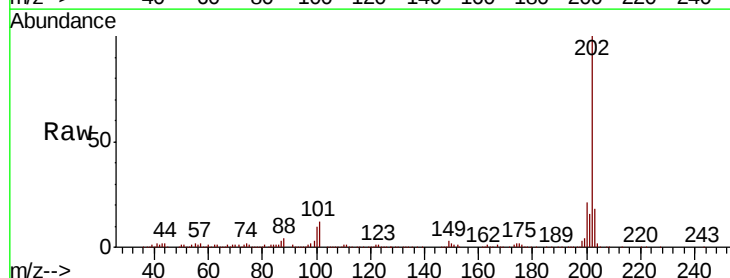
Instrument :
 BNA_F
 ClientSampleId :

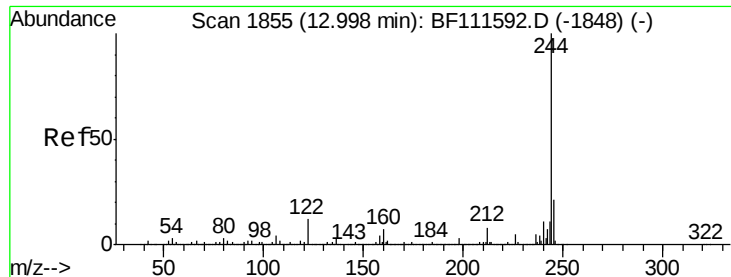
Tot Ion:240 Resp: 517146
 Ion Ratio Lower Upper
 240 100
 120 8.9 12.2 18.2#
 236 26.5 20.2 30.2



#78
 Pyrene
 Concen: 5.436 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Tgt Ion:202 Resp: 198533
 Ion Ratio Lower Upper
 202 100
 200 20.7 19.0 28.4
 203 17.7 15.2 22.8





#79

Terphenyl-d14

Concen: 36.754 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Instrument :

BNA_F

ClientSampleId :

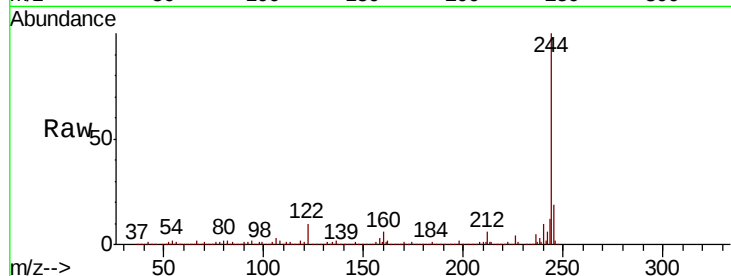
Tot Ion:244 Resp: 1002265

Ion Ratio Lower Upper

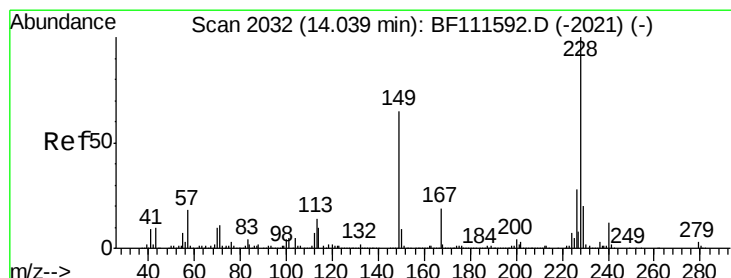
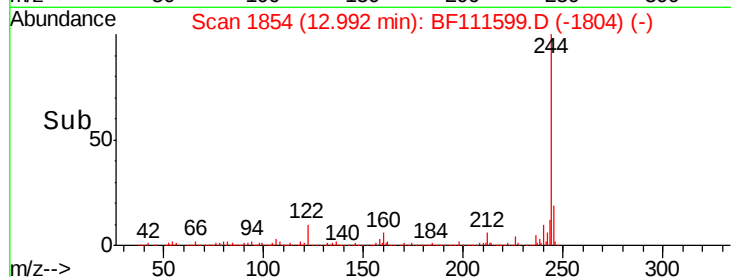
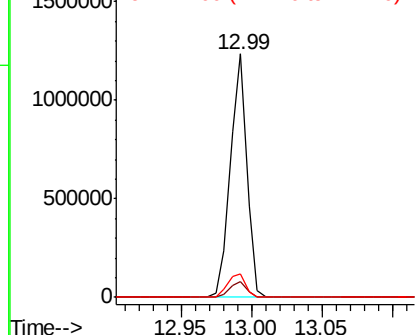
244 100

212 6.4 5.7 8.5

122 9.8 13.1 19.7#



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: 3.256 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

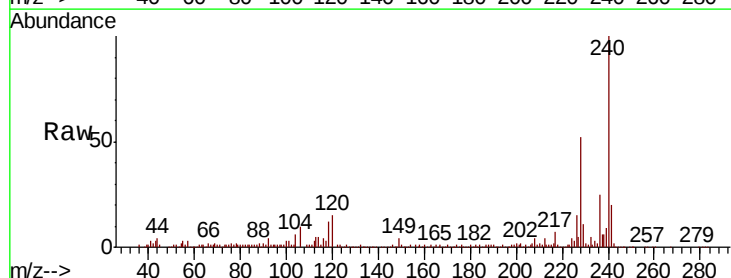
Tgt Ion:228 Resp: 96105

Ion Ratio Lower Upper

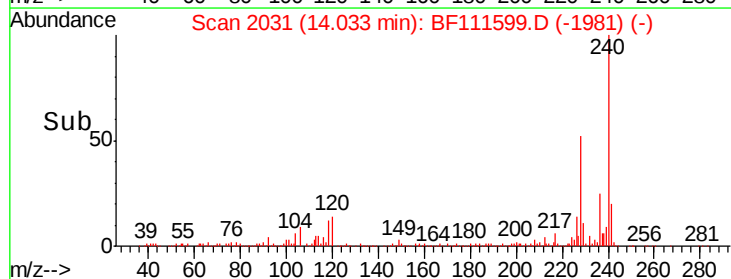
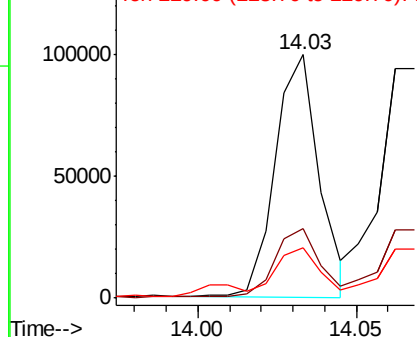
228 100

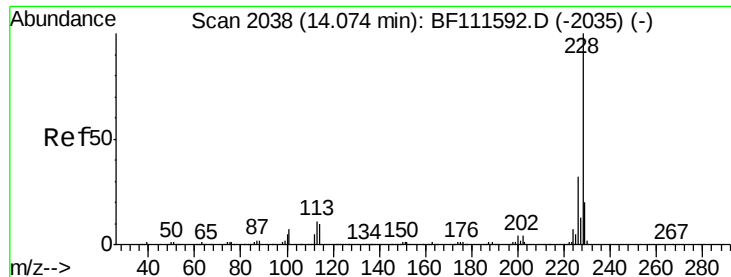
226 28.4 22.6 34.0

229 20.8 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





#83

Chrysene

Concen: 3.406 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

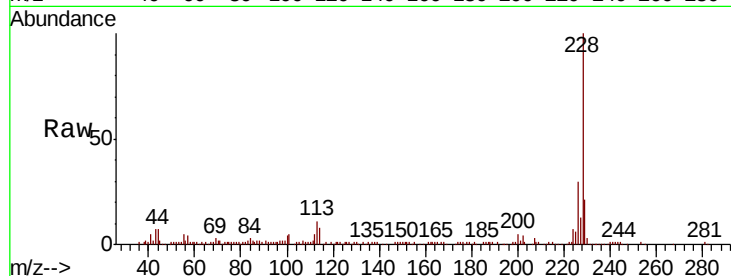
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 98807

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.3	37.9
229	21.4	17.2	25.8

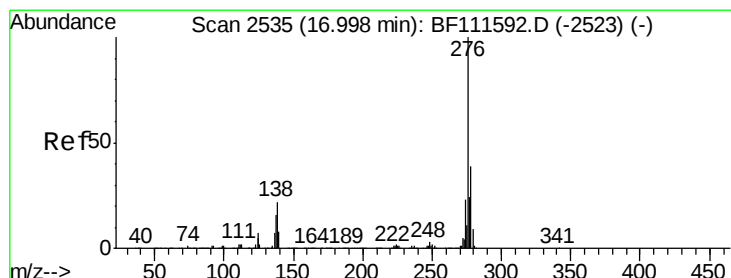
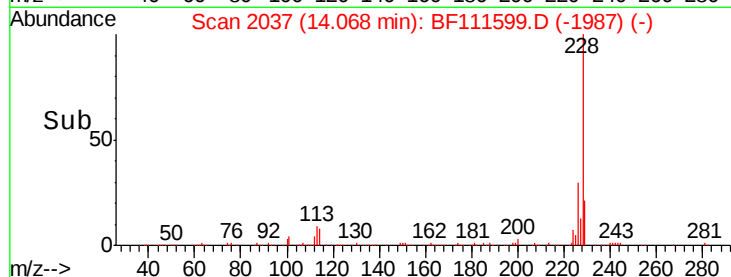
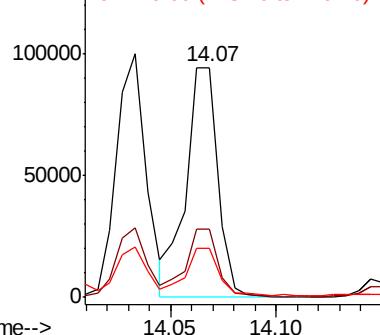


Abundance

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: 2.439 ng

RT: 16.98 min Scan# 2532

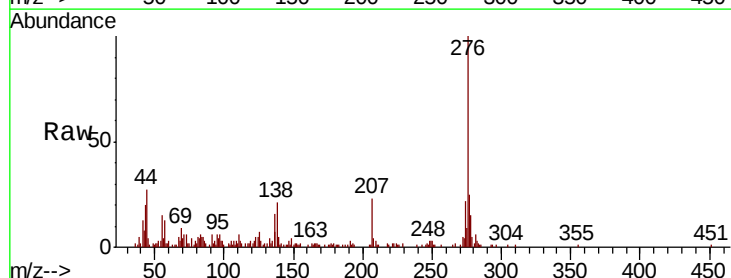
Delta R.T. -0.02 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Tgt Ion:276 Resp: 60153

Ion	Ratio	Lower	Upper
276	100		
138	18.8	27.8	41.6#
277	25.3	20.1	30.1

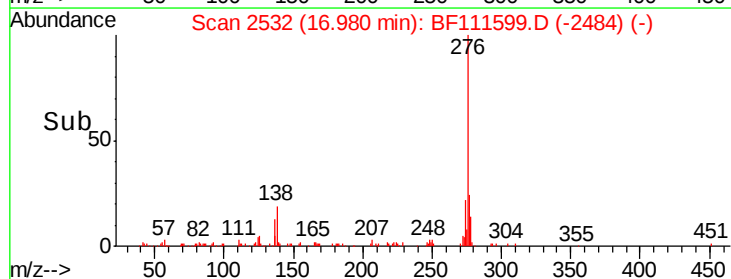
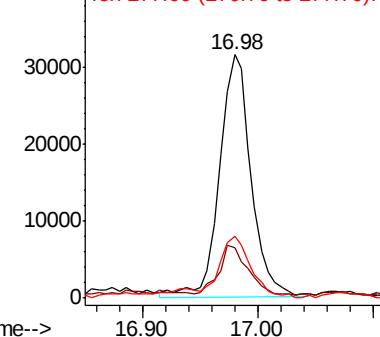


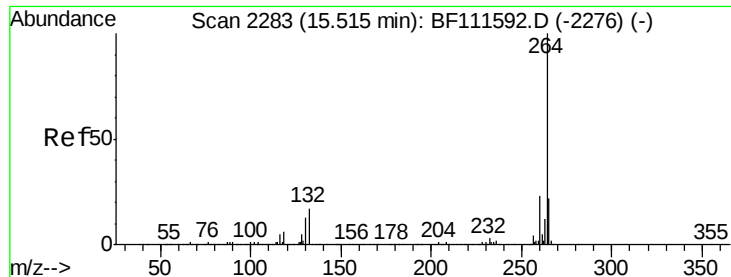
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Instrument :

BNA_F

ClientSampleId :

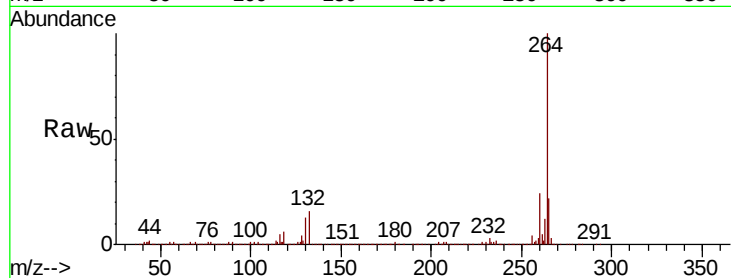
Tot Ion:264 Resp: 559493

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 21.6 17.7 26.5

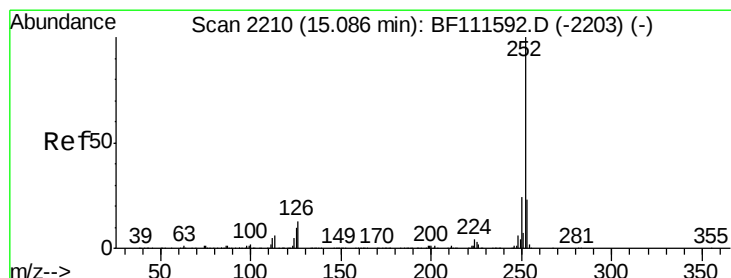
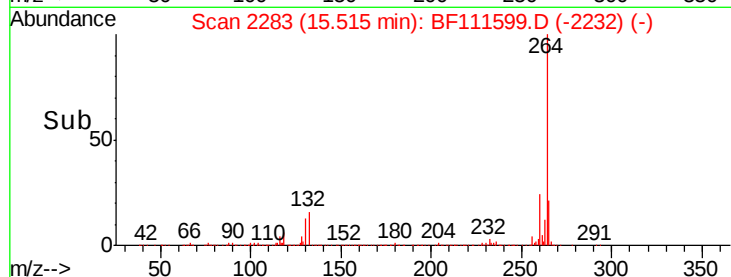
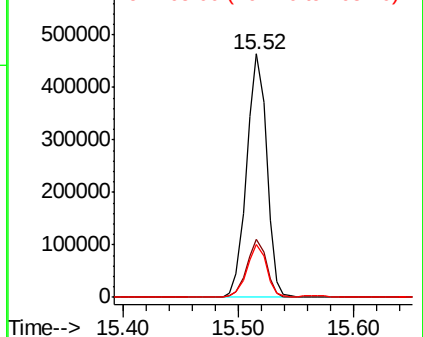


Abundance

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: 5.200 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

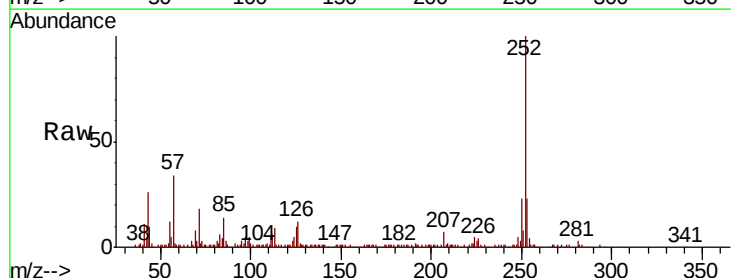
Tgt Ion:252 Resp: 170047

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 10.0 10.4 15.6#

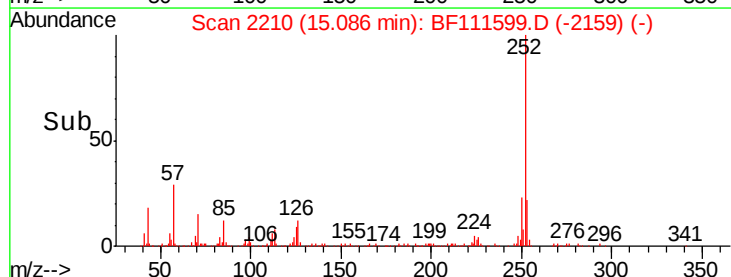
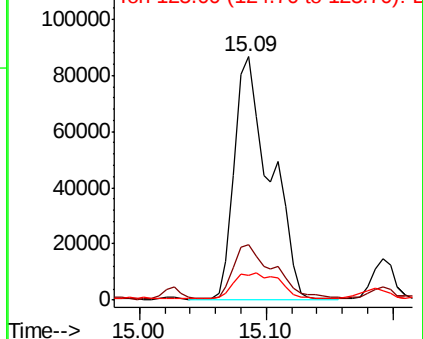


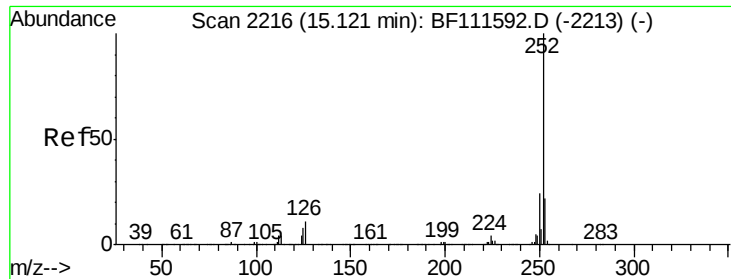
Abundance

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

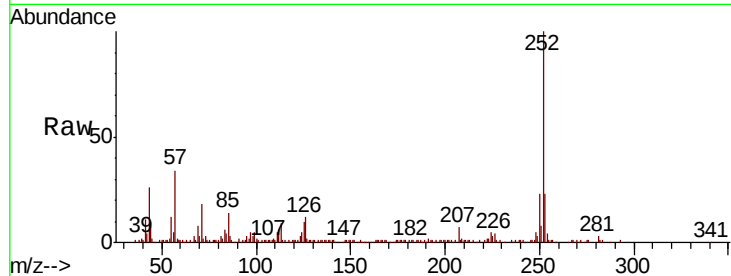




#89
Benzo(k)fluoranthene
Concen: 5.462 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	10.0	9.8	14.8

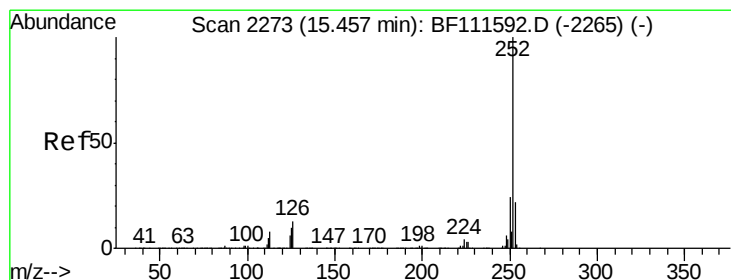
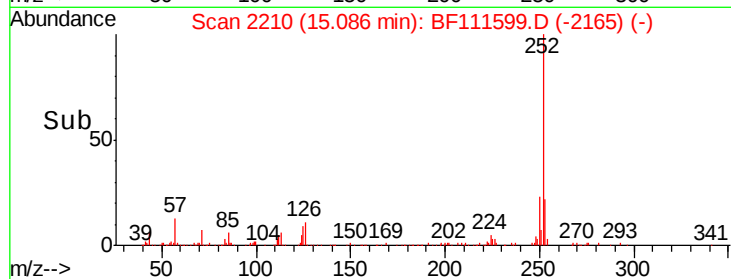
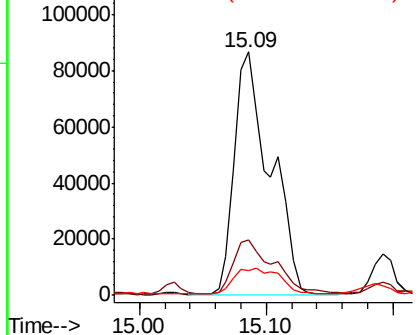


Abundance

Ion 252.00 (251.70 to 252.70): E

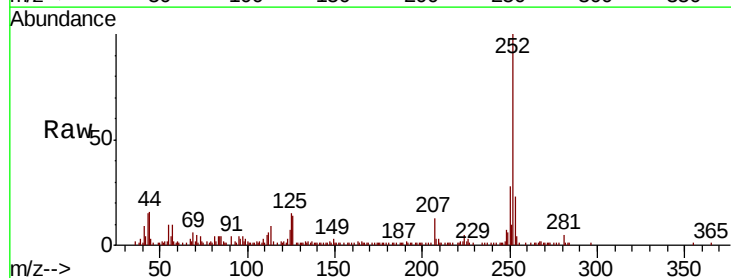
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.047 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.07 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	15.4	12.3	18.5

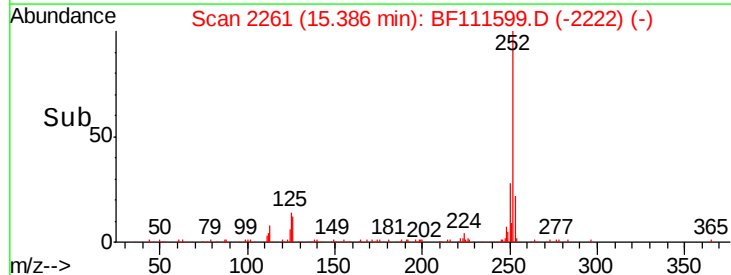
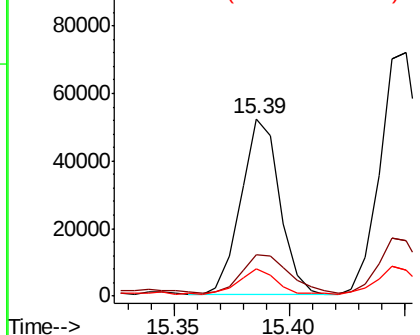


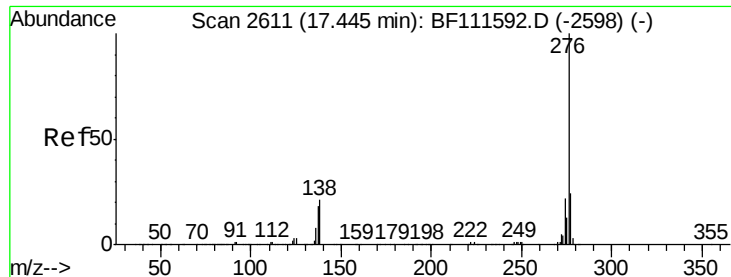
Abundance

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: 2.048 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.02 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	19.6	24.9	37.3

