

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112503.D
 Acq On : 12 Feb 2019 10:52
 Operator : JU/SJ
 Sample : K1442-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-10

Quant Time: Feb 13 03:36:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	118293	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	419566	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	179123	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	317274	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	293657	20.00	ng	0.00
87) Perylene-d12	15.49	264	209952	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	530837	95.32	ng	-0.01
7) Phenol-d6	6.48	99	625779	80.86	ng	-0.01
23) Nitrobenzene-d5	7.39	82	397124	54.54	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	153520	73.63	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	714697	56.43	ng	-0.02
79) Terphenyl-d14	12.94	244	699077	44.84	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	54292	10.174	ng	Qvalue # 77
25) Isophorone	7.39	82	391559	34.277	ng	# 63
50) Dimethylphthalate	9.58	163	49953	3.589	ng	99
67) 4-Bromophenyl-phenylether	10.66	248	8994	2.410	ng	# 1
71) Phenanthrene	11.38	178	213556	12.947	ng	97
72) Anthracene	11.43	178	56917	3.464	ng	97
75) Fluoranthene	12.57	202	362129	20.469	ng	97
78) Pyrene	12.80	202	318992	15.690	ng	99
81) Benzo(a)anthracene	13.99	228	151839	8.796	ng	98
83) Chrysene	14.03	228	140905	8.551	ng	96
84) Bis(2-ethylhexyl)phthalate	13.96	149	29984	2.147	ng	# 98
88) Benzo(b)fluoranthene	15.06	252	193737	15.430	ng	# 84
89) Benzo(k)fluoranthene	15.06	252	193737	16.109	ng	# 85
90) Benzo(a)pyrene	15.43	252	99013	8.764	ng	# 91
92) Benzo(g,h,i)perylene	17.44	276	58557	6.816	ng	# 92

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

```
Data Path : Z:\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021219\  
Data File : BF112503.D  
Acq On    : 12 Feb 2019  10:52  
Operator  : JU/SJ  
Sample    : K1442-04  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
```

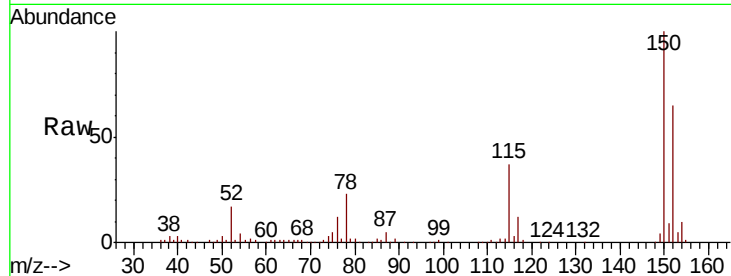


#1

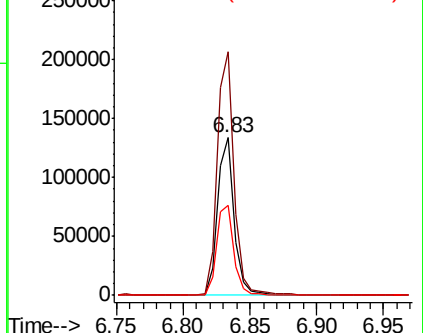
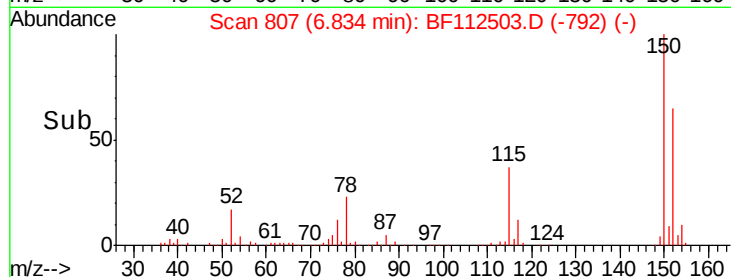
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Instrument :
 BNA_F
 ClientSampled :
 COMP-10

Tgt Ion:152 Resp: 118293
 Ion Ratio Lower Upper
 152 100
 150 154.6 127.4 191.0
 115 57.0 45.5 68.3



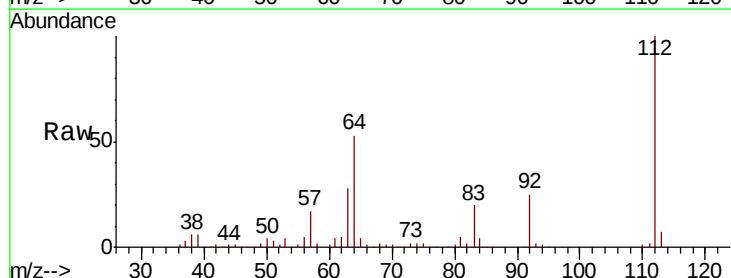
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



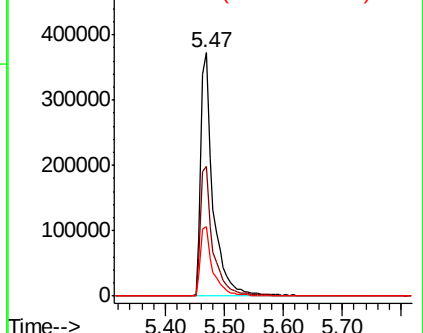
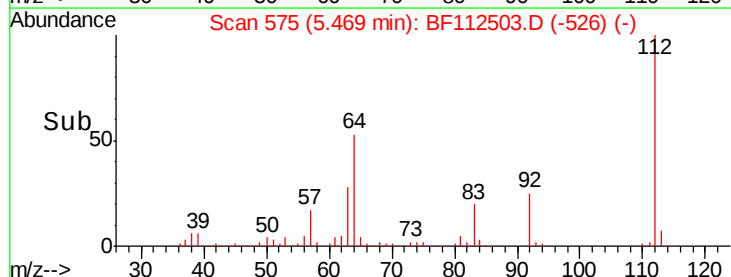
#5

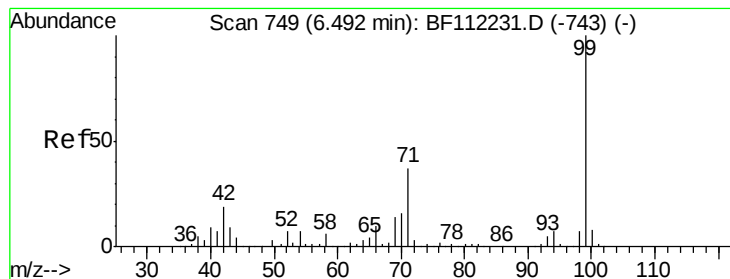
2-Fluorophenol
 Concen: 95.317 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Tgt Ion:112 Resp: 530837
 Ion Ratio Lower Upper
 112 100
 64 53.4 45.7 68.5
 63 28.4 23.6 35.4



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: 80.864 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

ClientSampleId :

COMP-10

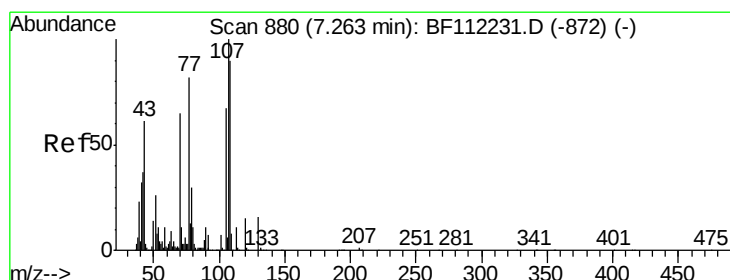
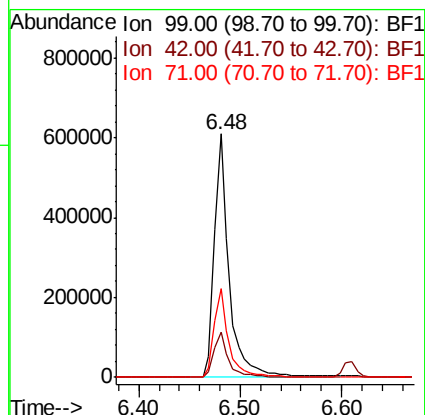
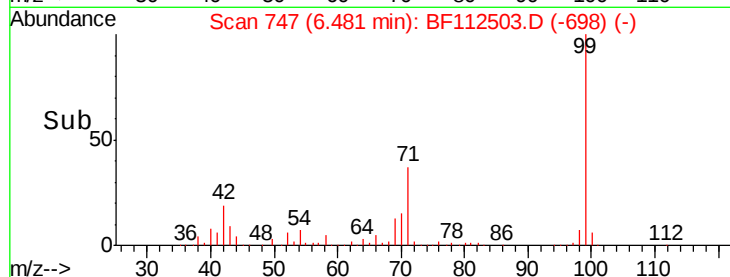
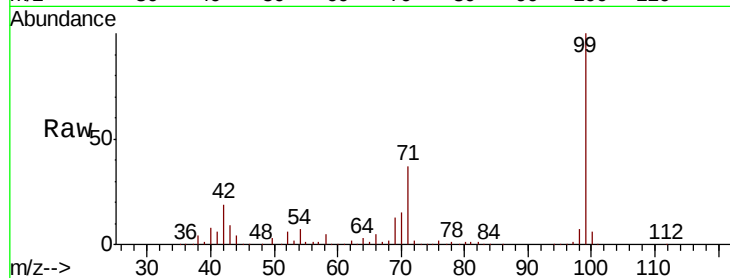
Tgt Ion: 99 Resp: 625779

Ion Ratio Lower Upper

99 100

42 18.8 15.1 22.7

71 36.6 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 10.174 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Tgt Ion: 70 Resp: 54292

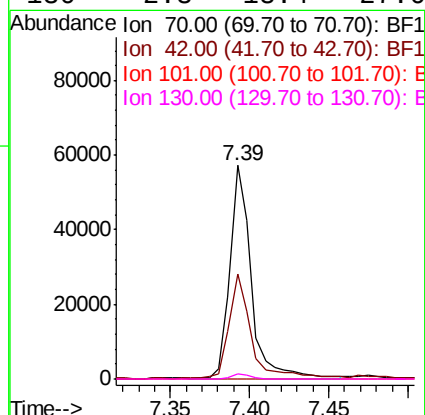
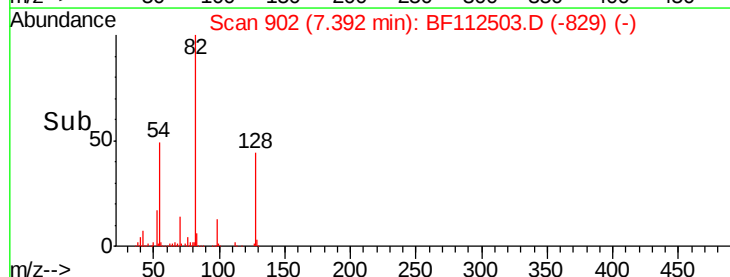
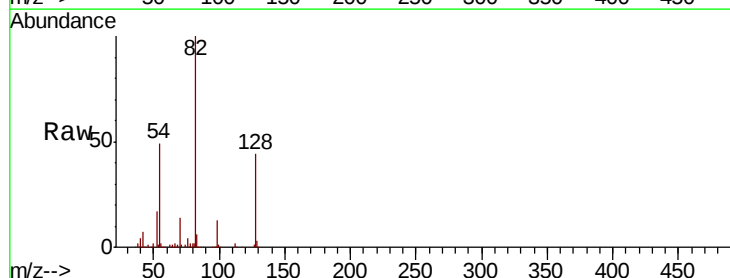
Ion Ratio Lower Upper

70 100

42 48.9 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

ClientSampleId :

COMP-10

Tgt Ion: 136 Resp: 419566

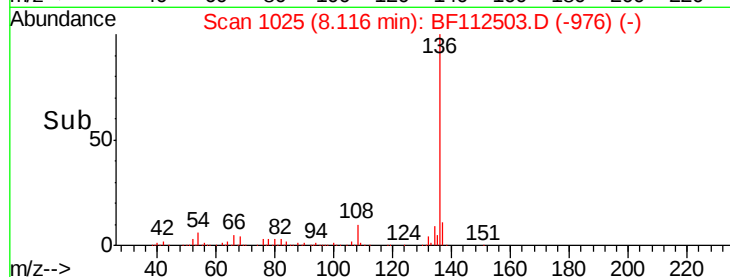
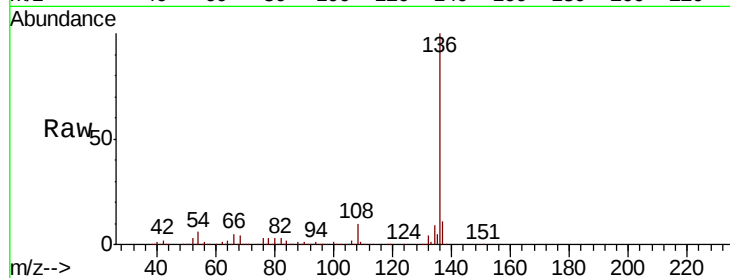
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.7 5.9 8.9#

68 4.5 5.1 7.7#

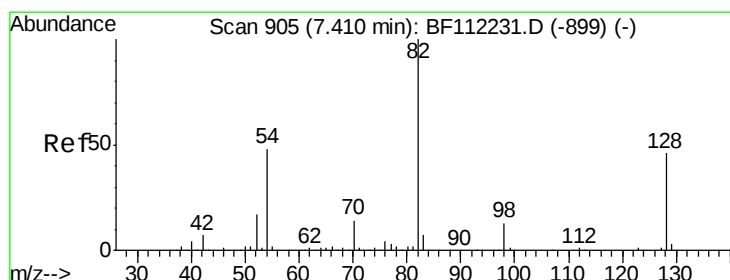
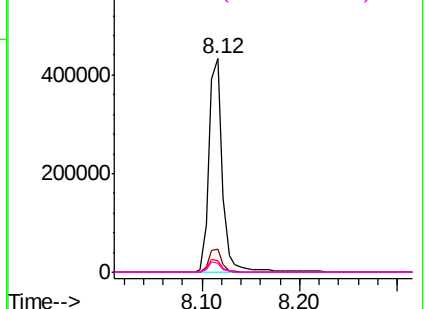


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.538 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

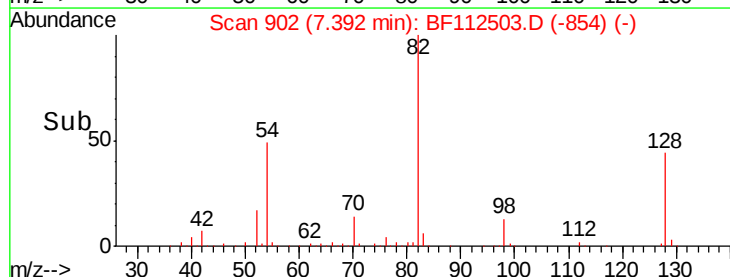
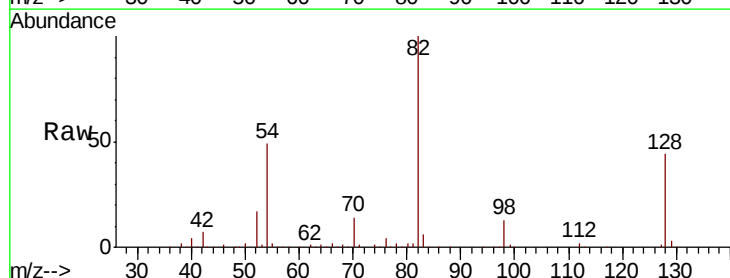
Tgt Ion: 82 Resp: 397124

Ion Ratio Lower Upper

82 100

128 44.5 37.8 56.8

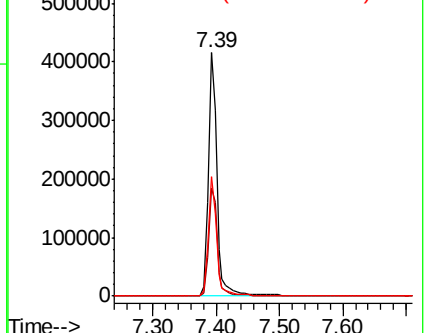
54 49.0 39.7 59.5

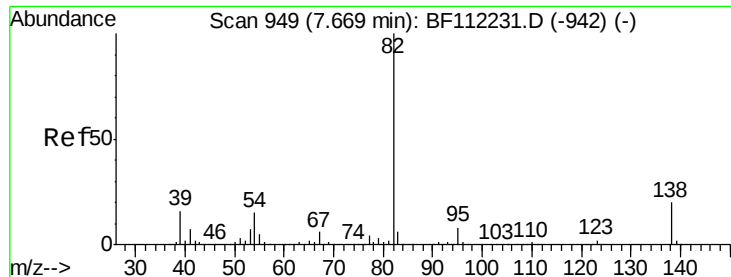


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.277 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

ClientSampleId :

COMP-10

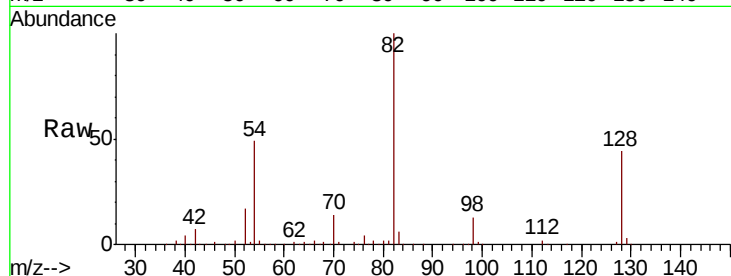
Tgt Ion: 82 Resp: 391559

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

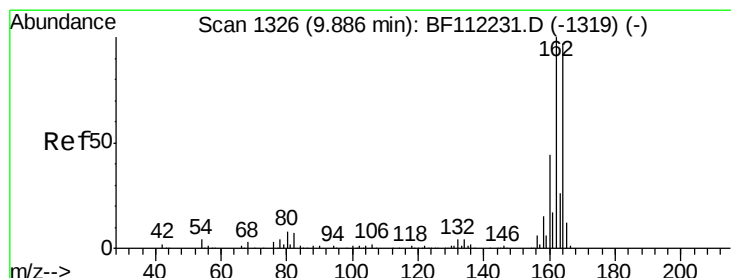
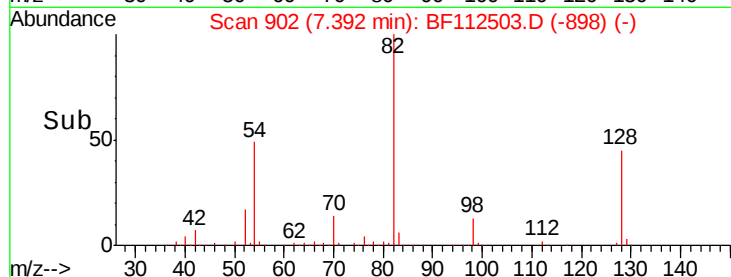
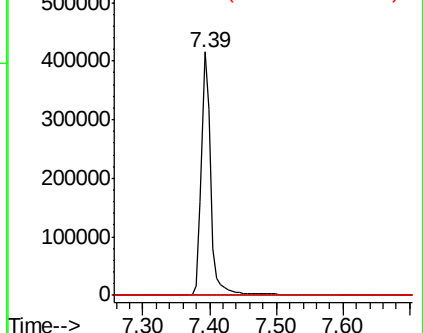
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

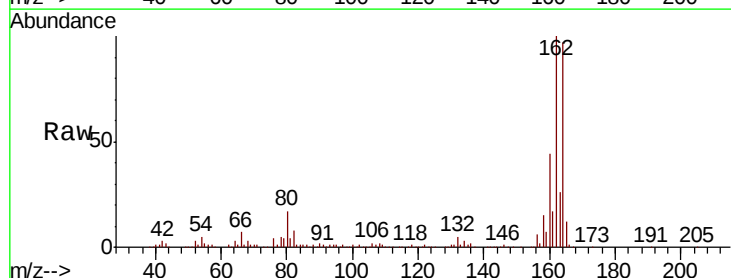
Tgt Ion: 164 Resp: 179123

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.4

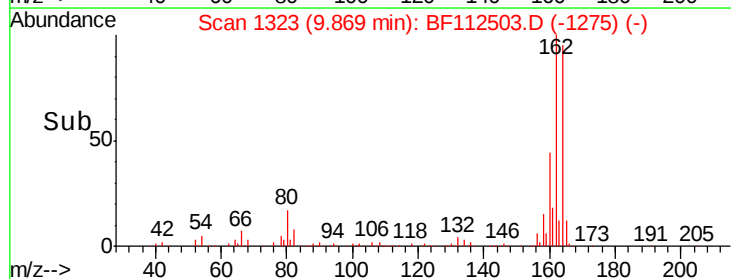
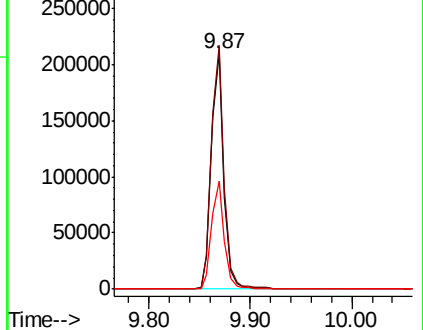
160 45.8 36.2 54.4



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

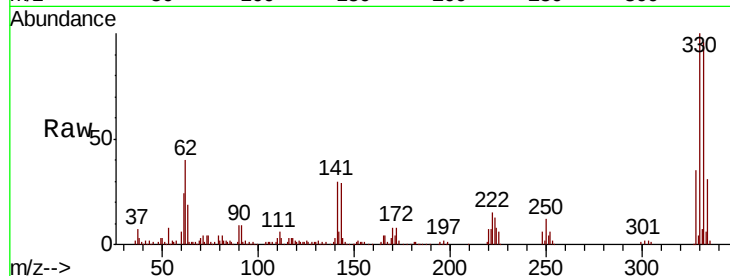




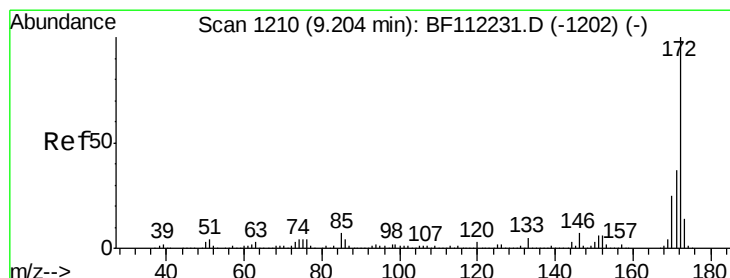
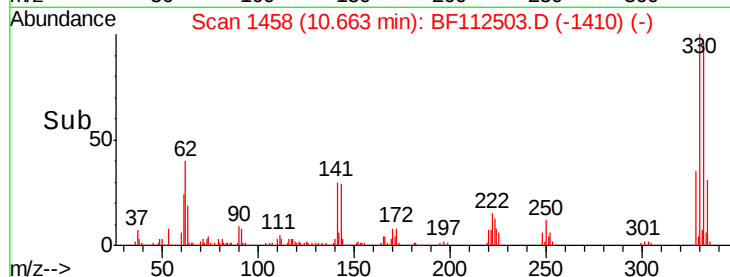
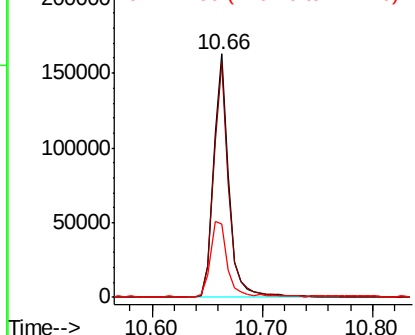
#42
 2,4,6-Tribromophenol
 Concen: 73.633 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Instrument :
 BNA_F
 ClientSampleId :
 COMP-10

Tgt Ion:330 Resp: 153520
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 33.7 24.3 36.5

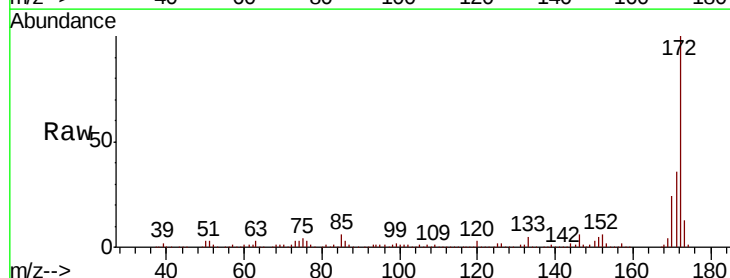


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

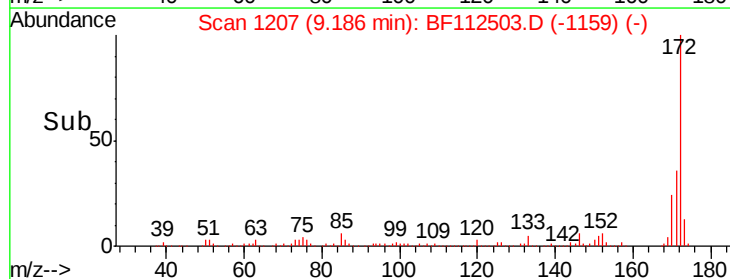
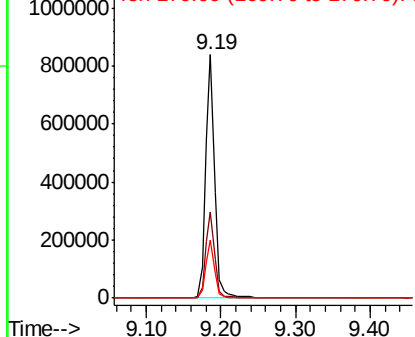


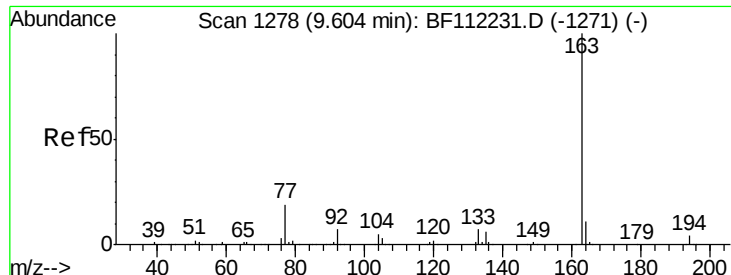
#45
 2-Fluorobiphenyl
 Concen: 56.432 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Tgt Ion:172 Resp: 714697
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.5 45.7
 170 23.9 20.2 30.4



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

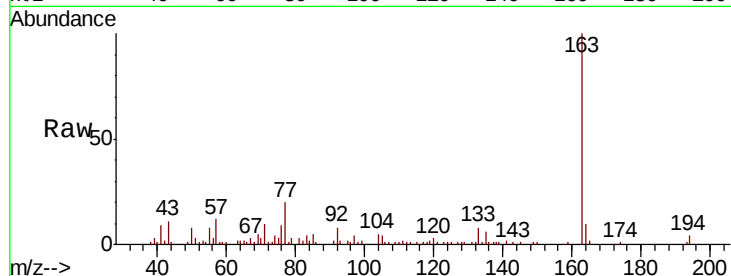




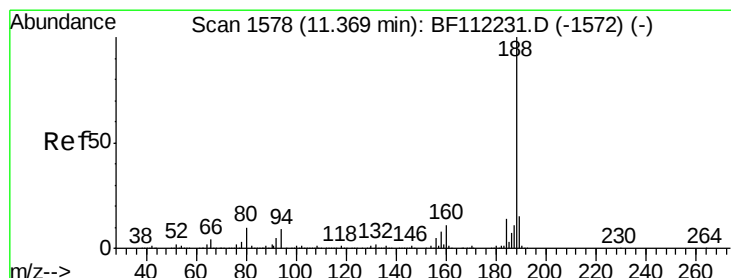
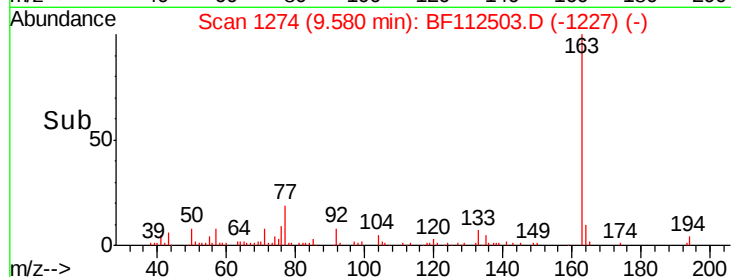
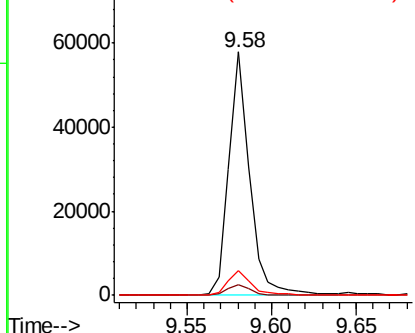
#50
Dimethylphthalate
Concen: 3.589 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampleId :
COMP-10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.4	8.5	12.7

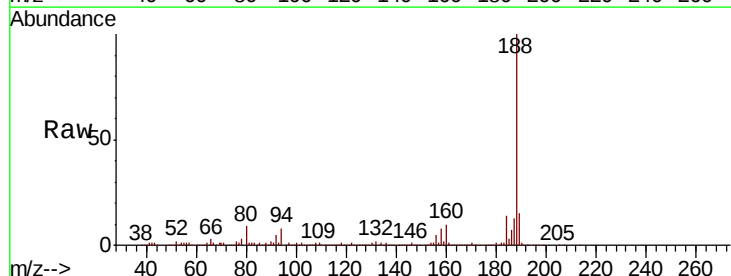


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

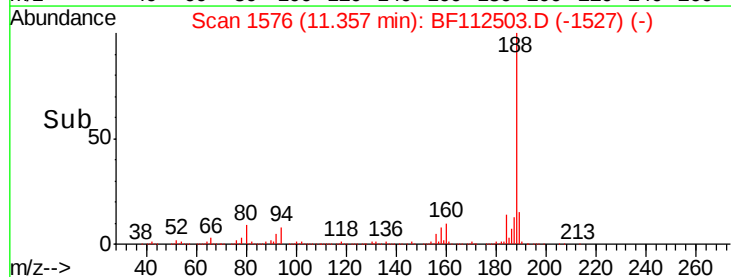
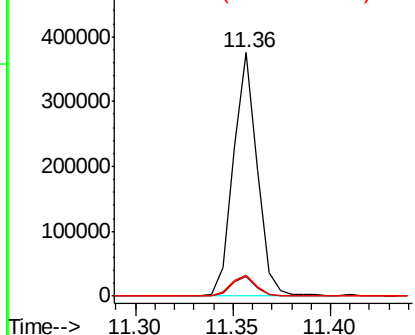


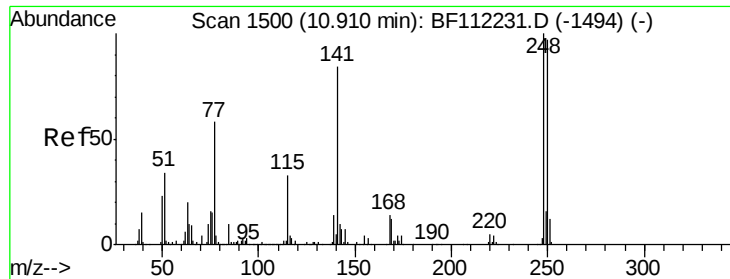
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.2	12.2#
80	8.7	8.9	13.3#



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

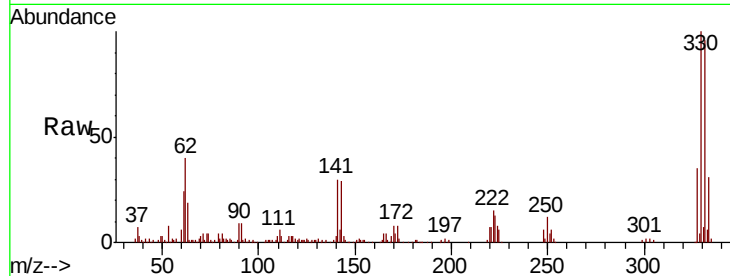




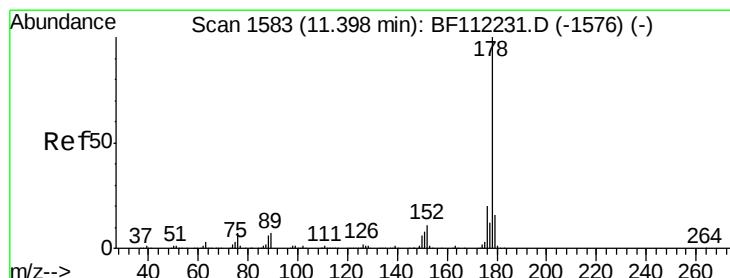
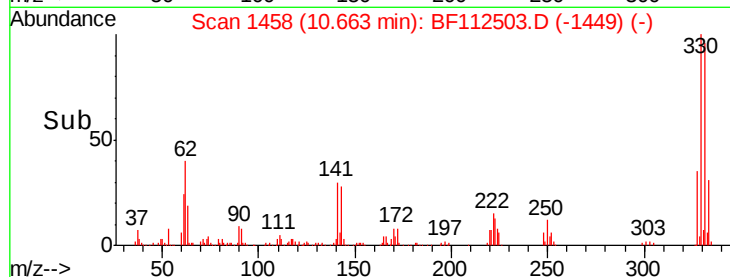
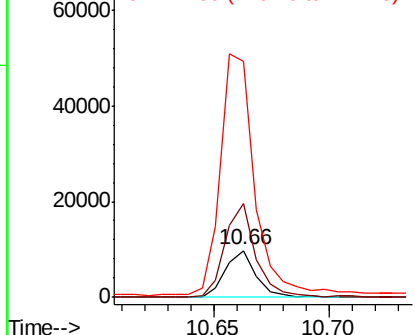
#67
 4-Bromophenyl-phenylether
 Concen: 2.410 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Instrument :
 BNA_F
 ClientSampleId :
 COMP-10

Tgt Ion:248 Resp: 8994
 Ion Ratio Lower Upper
 248 100
 250 202.6 79.7 119.5#
 141 506.5 60.3 90.5#

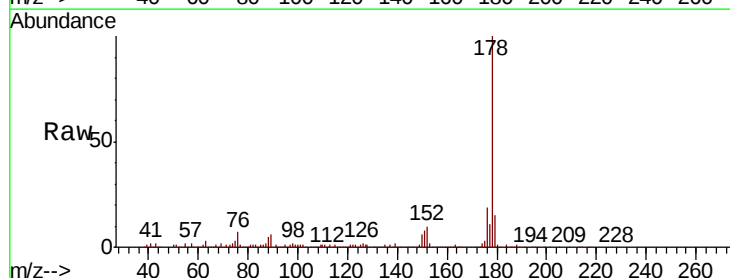


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

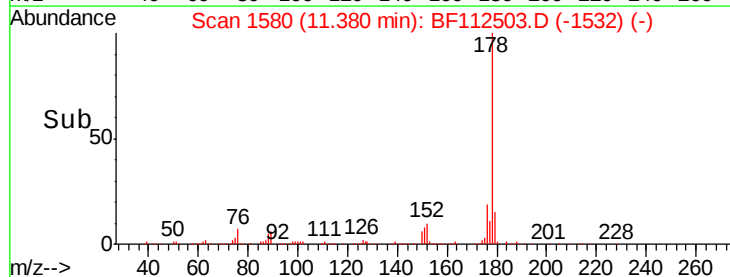
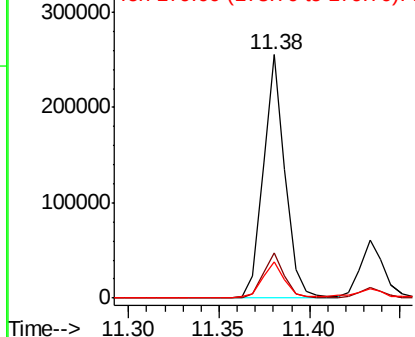


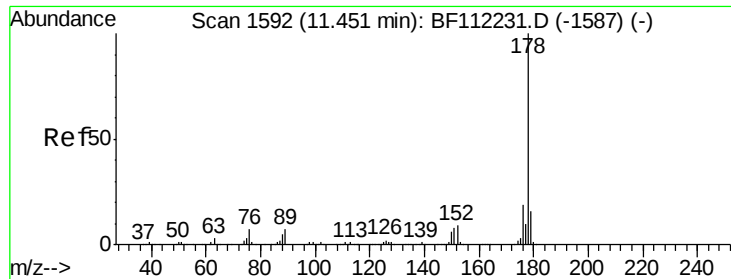
#71
 Phenanthrene
 Concen: 12.947 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Tgt Ion:178 Resp: 213556
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.3 24.5
 179 15.0 13.0 19.4



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

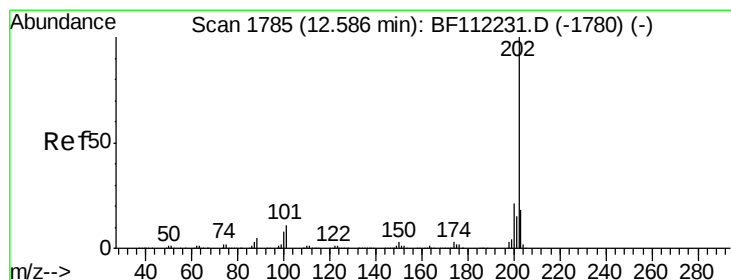
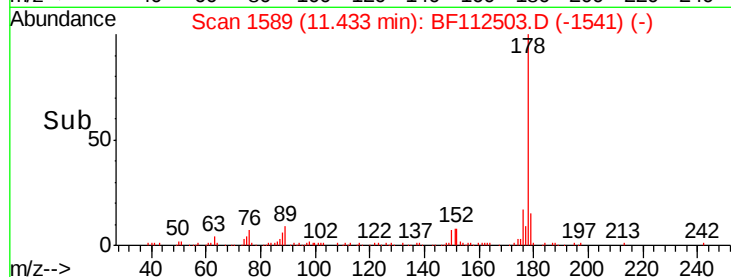
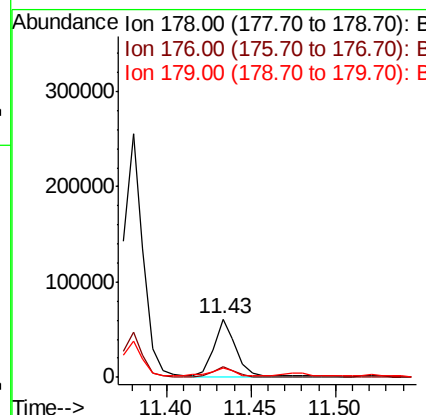
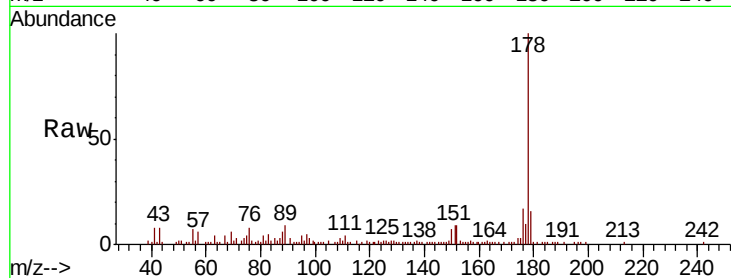




#72
 Anthracene
 Concen: 3.464 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.02 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

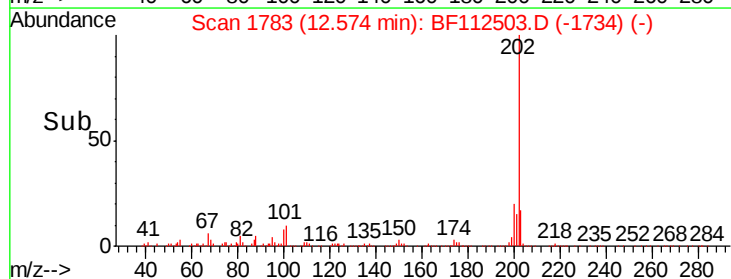
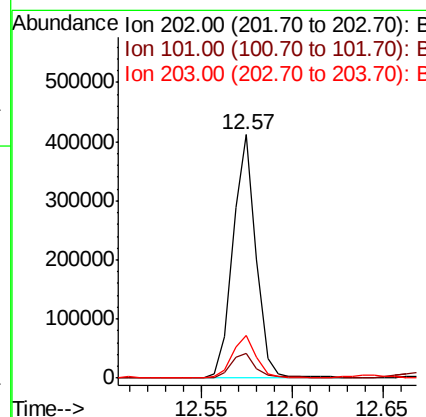
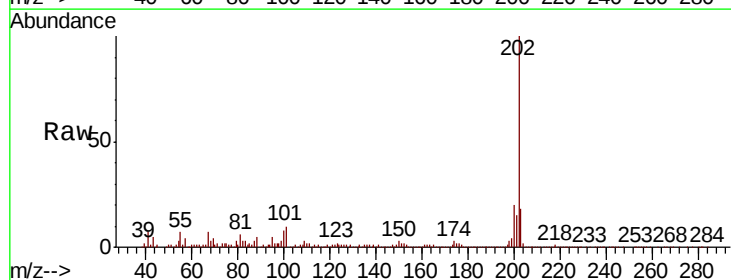
Instrument :
 BNA_F
 ClientSampleId :
 COMP-10

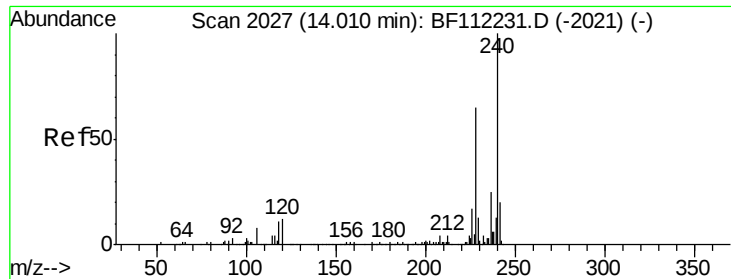
Tgt Ion:178 Resp: 56917
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.5 23.3
 179 15.7 12.8 19.2



#75
 Fluoranthene
 Concen: 20.469 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF112503.D
 Acq: 12 Feb 2019 10:52

Tgt Ion:202 Resp: 362129
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.8
 203 17.6 0.0 38.4

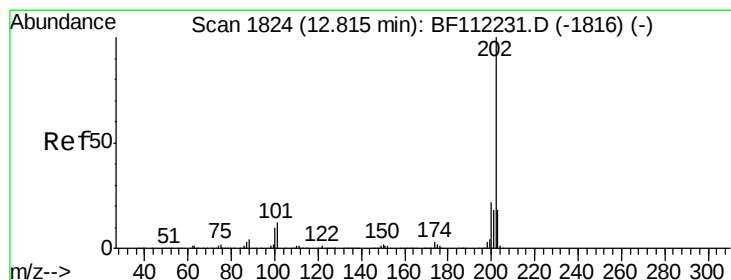
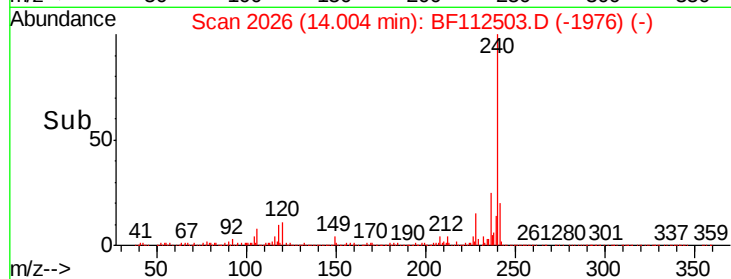
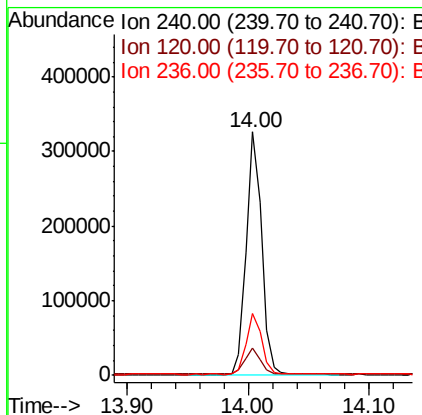
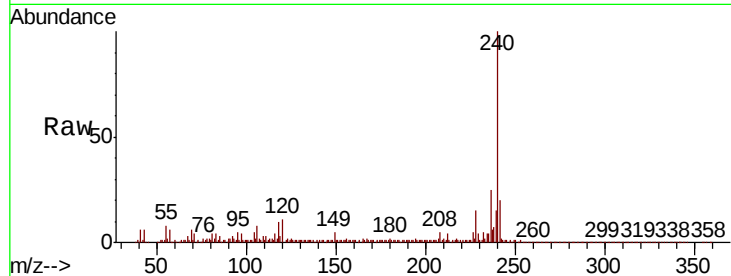




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

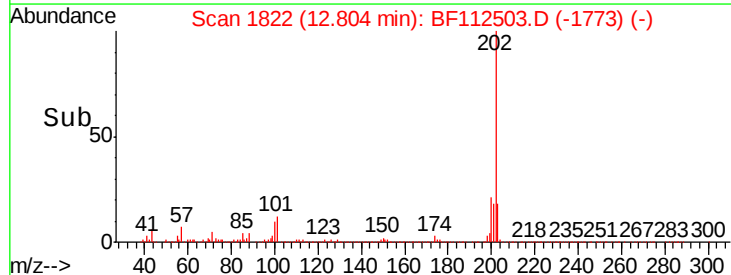
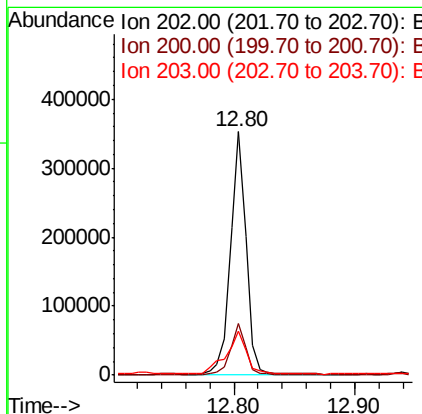
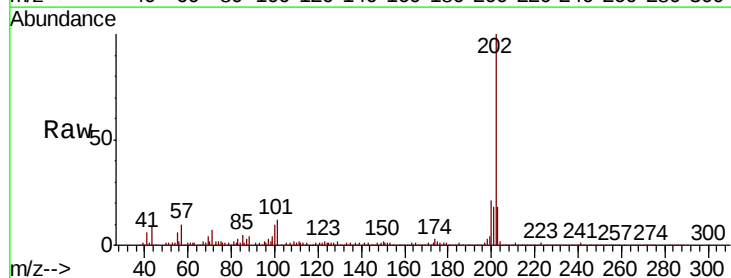
Instrument :
BNA_F
ClientSampleId :
COMP-10

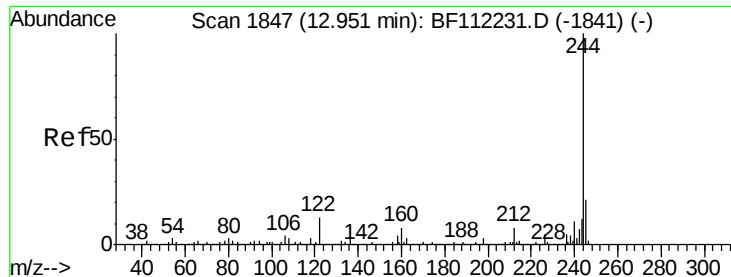
Tgt Ion:240 Resp: 293657
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.6
236 25.3 20.7 31.1



#78
Pyrene
Concen: 15.690 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion:202 Resp: 318992
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 18.0 14.6 22.0





#79

Terphenyl-d14

Concen: 44.837 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

ClientSampleId :

COMP-10

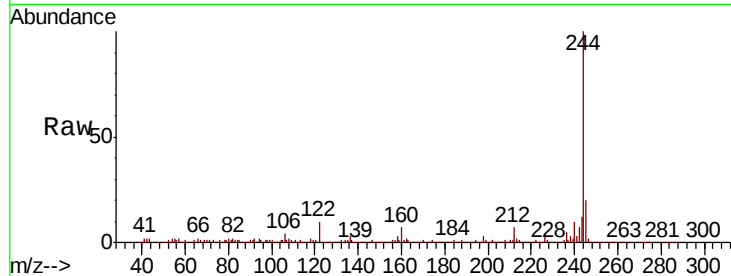
Tgt Ion:244 Resp: 699077

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

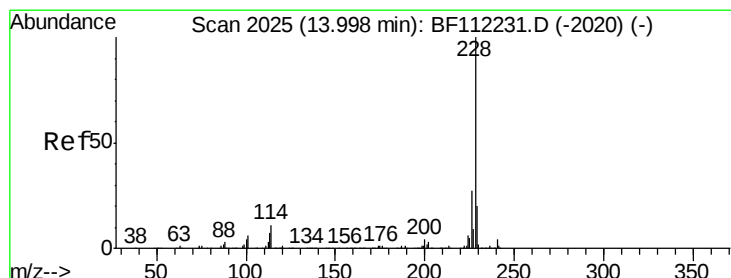
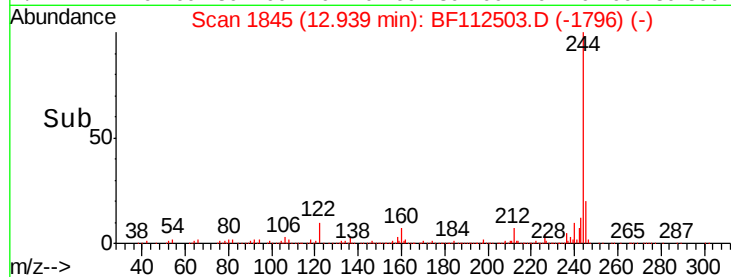
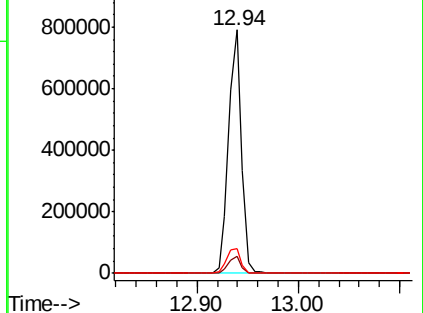
122 10.3 9.8 14.6



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: 8.796 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

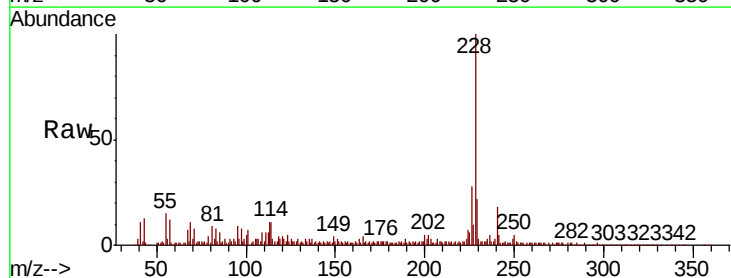
Tgt Ion:228 Resp: 151839

Ion Ratio Lower Upper

228 100

226 27.8 22.6 34.0

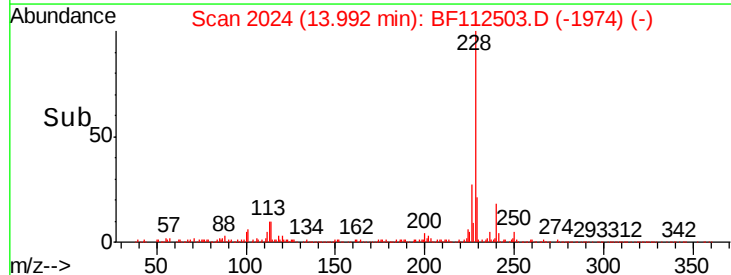
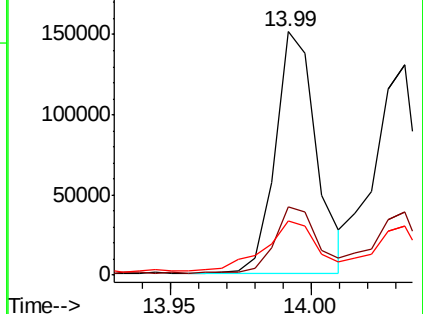
229 22.5 16.5 24.7

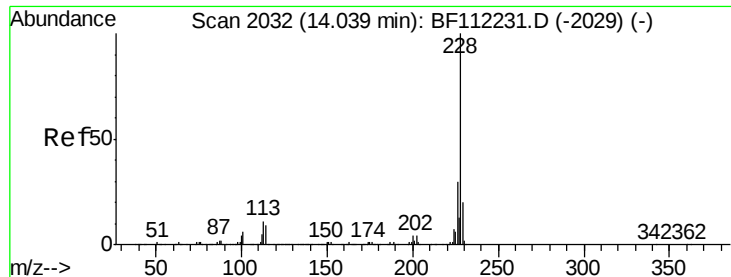


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

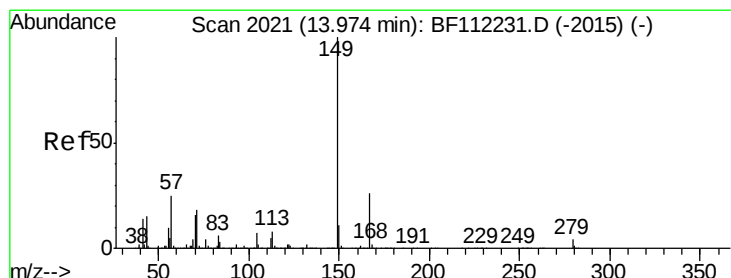
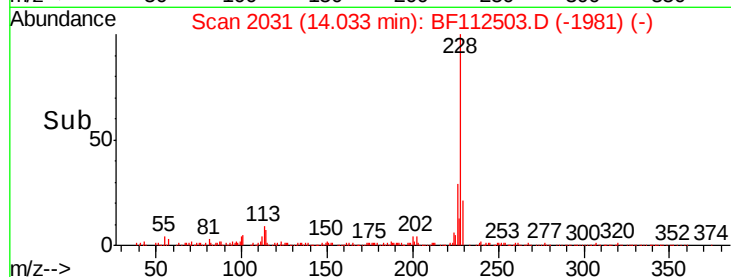
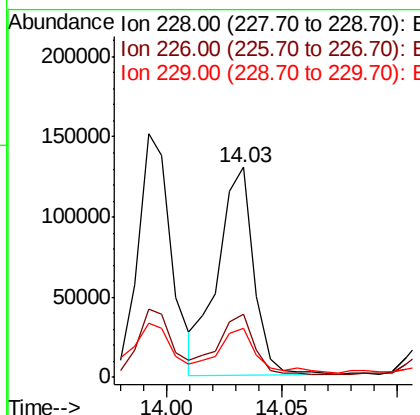
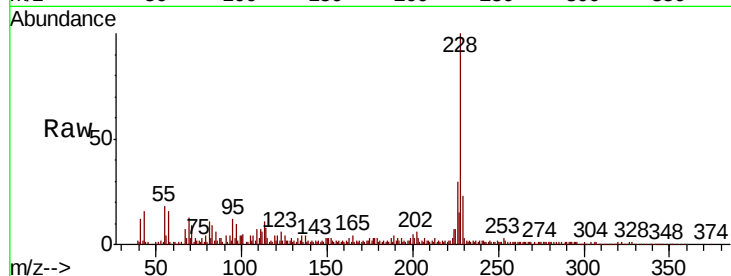




#83
Chrysene
Concen: 8.551 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

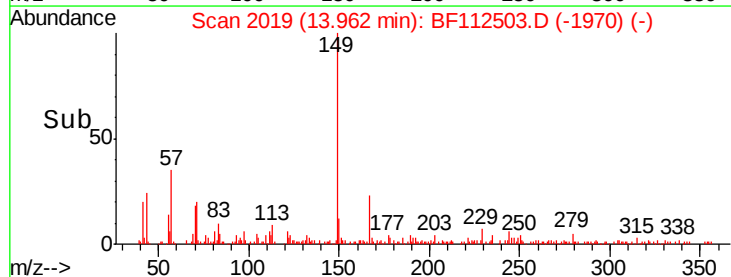
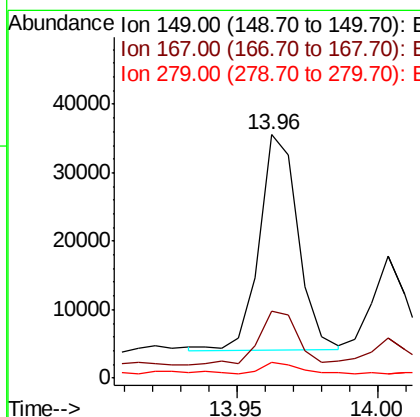
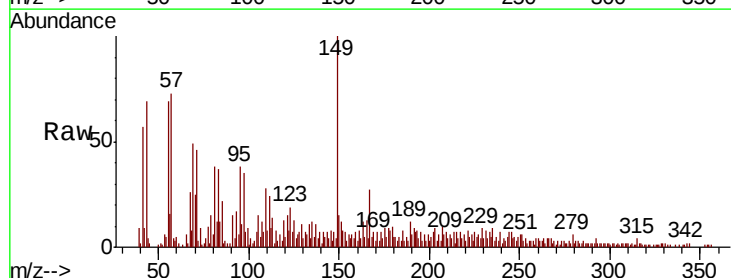
Instrument :
BNA_F
ClientSampleId :
COMP-10

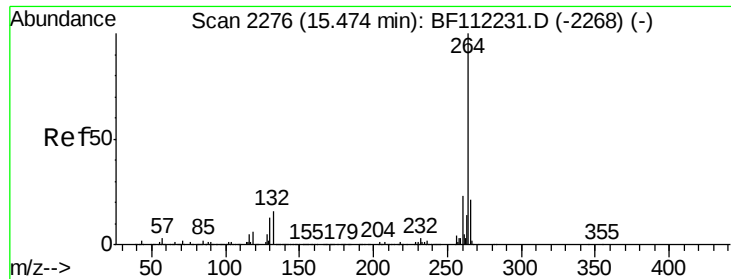
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	23.3	16.6	24.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.147 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.5	33.7
279	6.3	3.8	5.6



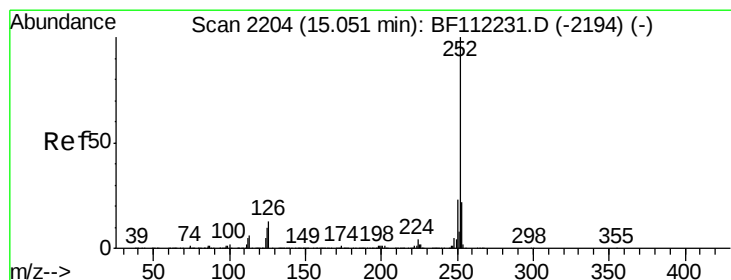
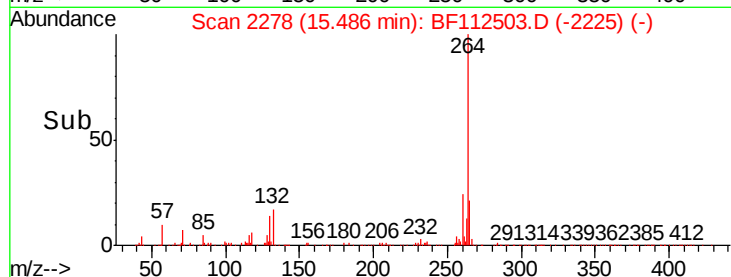
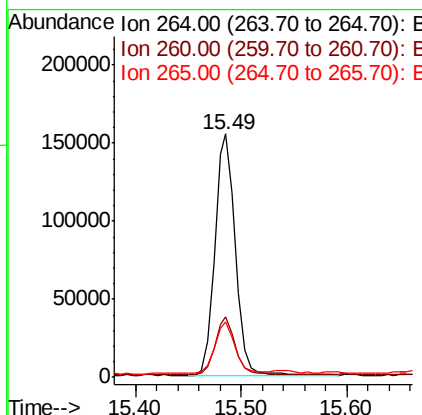
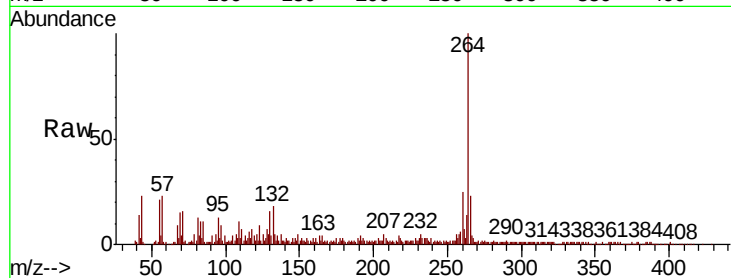


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Instrument :
BNA_F
ClientSampleId :
COMP-10

Tgt Ion: 264 Resp: 209952

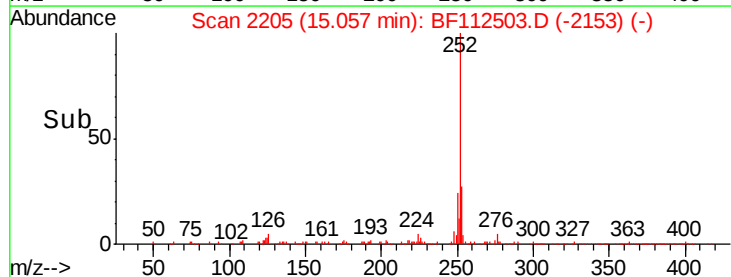
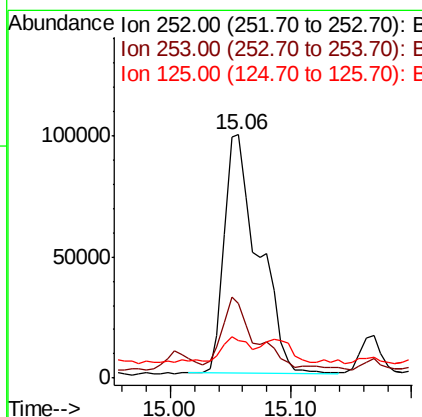
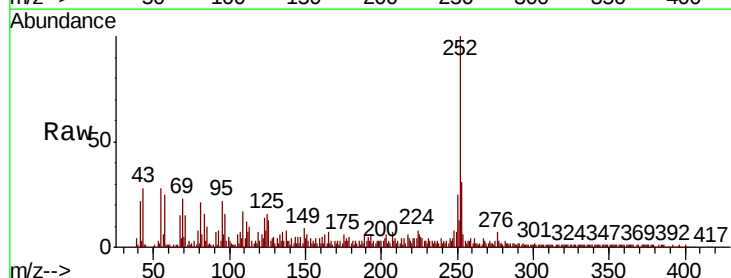
Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.2	27.2
265	22.6	17.0	25.4

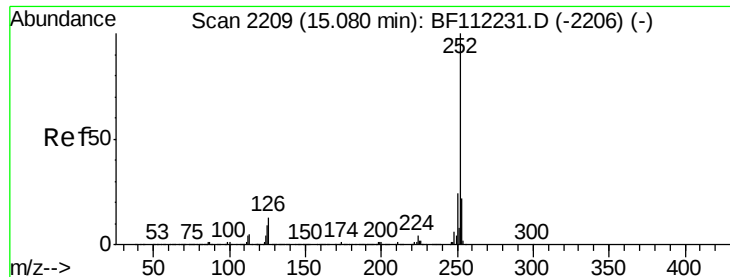


#88
Benzo(b)fluoranthene
Concen: 15.430 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112503.D
Acq: 12 Feb 2019 10:52

Tgt Ion: 252 Resp: 193737

Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.0	27.0#
125	15.5	8.7	13.1#





#89

Benzo(k)fluoranthene

Concen: 16.109 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

ClientSampleId :

COMP-10

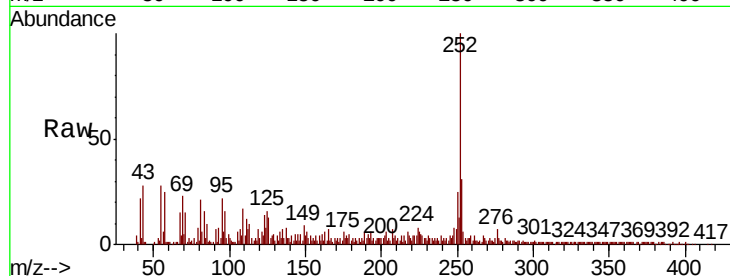
Tgt Ion:252 Resp: 193737

Ion Ratio Lower Upper

252 100

253 30.9 18.0 27.0#

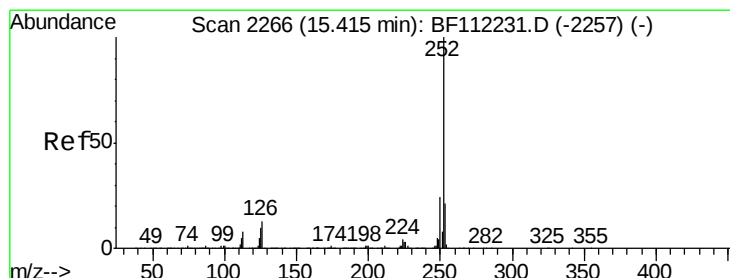
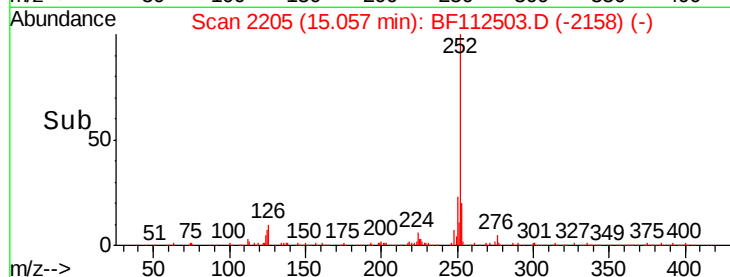
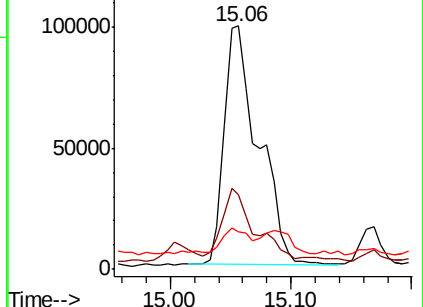
125 15.5 9.1 13.7#



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: 8.764 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

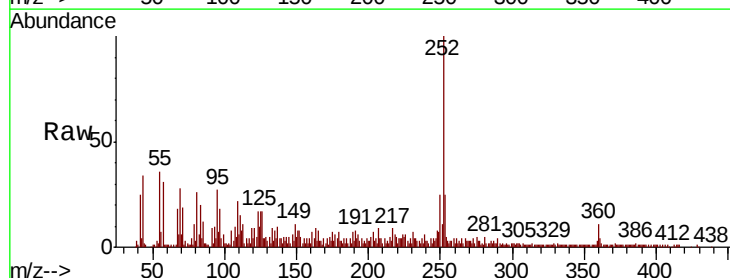
Tgt Ion:252 Resp: 99013

Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

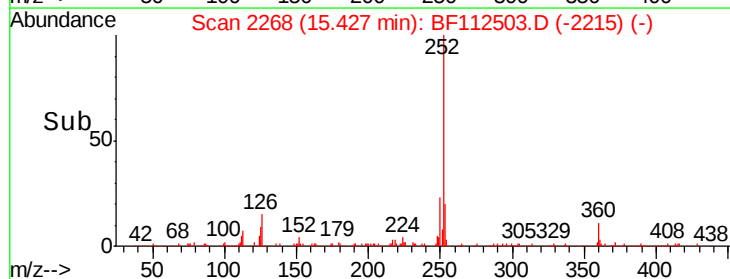
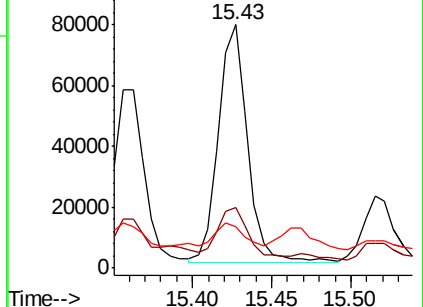
125 16.9 9.0 13.4#

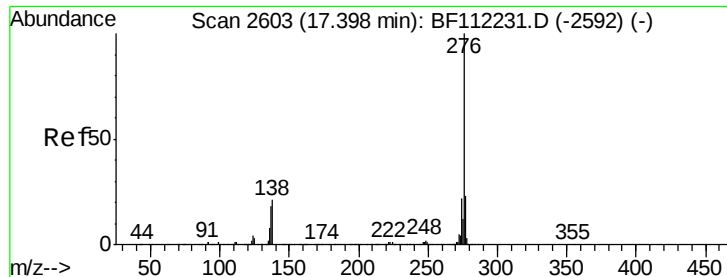


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.816 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.04 min

Lab File: BF112503.D

Acq: 12 Feb 2019 10:52

Instrument :

BNA_F

ClientSampleId :

COMP-10

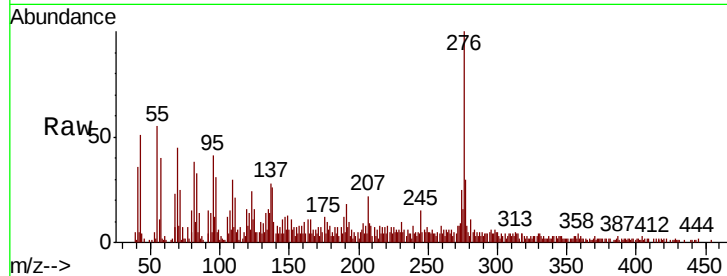
Tgt Ion: 276 Resp: 58557

Ion Ratio Lower Upper

276 100

277 29.8 19.4 29.0#

138 25.8 19.1 28.7



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

