

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116818.D
 Acq On : 4 Sep 2019 16:27
 Operator : HP/JU
 Sample : K4601-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T12-F1-F4-(0-2.7)

Quant Time: Sep 05 03:51:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

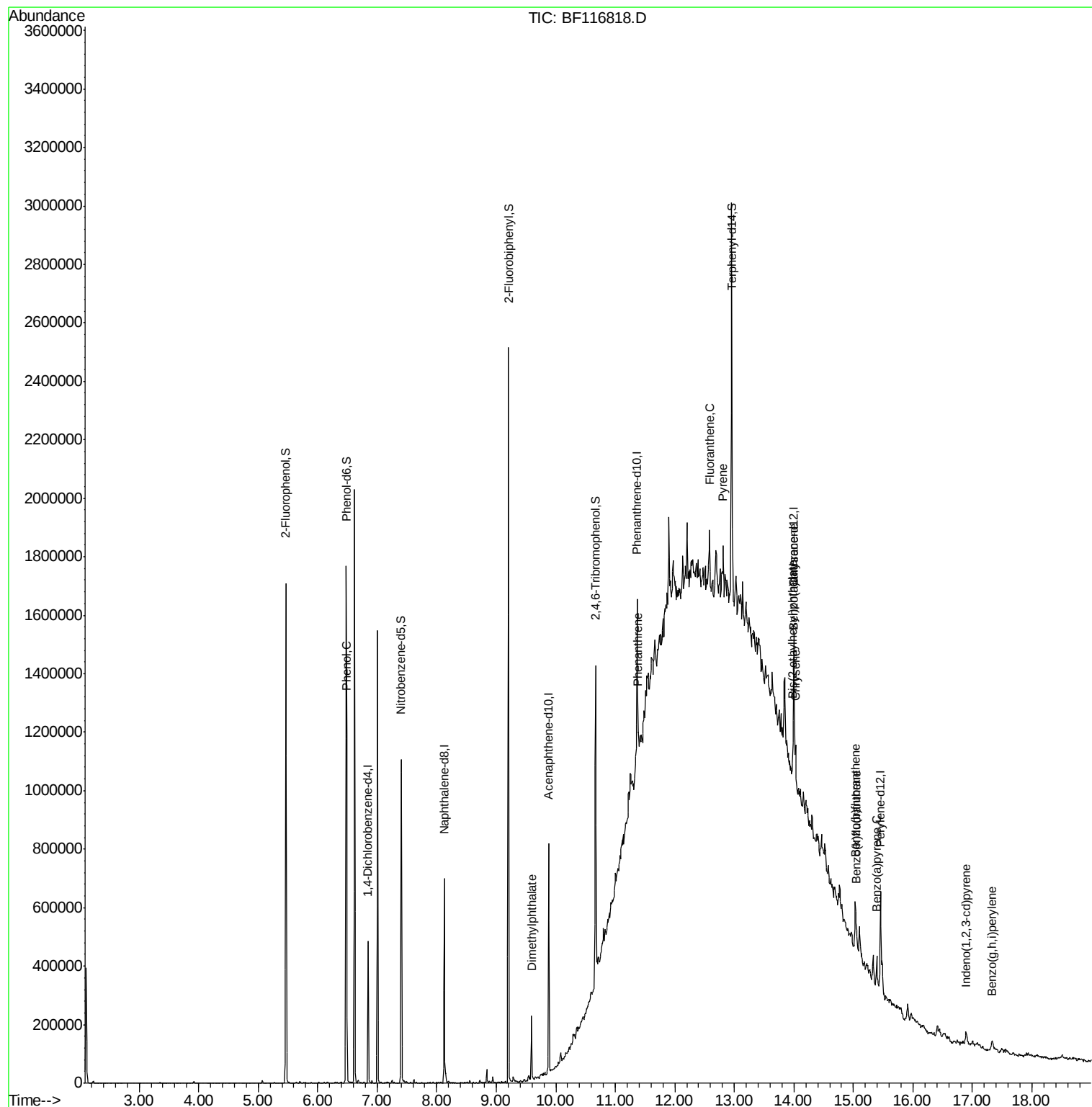
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	75763	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	292435	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	143013	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	190719	20.00	ng	0.00
76) Chrysene-d12	14.00	240	137122	20.00	ng	0.00
87) Perylene-d12	15.46	264	141390	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	467897	100.05	ng	0.00
7) Phenol-d6	6.48	99	643278	104.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	404021	78.87	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	109519	114.55	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	685237	80.83	ng	0.00
79) Terphenyl-d14	12.95	244	479247	64.66	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.49	94	33186	4.880	ng	96
50) Dimethylphthalate	9.59	163	76595	7.758	ng	99
71) Phenanthrene	11.39	178	33269	3.134	ng	# 78
75) Fluoranthene	12.59	202	76140	7.298	ng	87
78) Pyrene	12.81	202	73270	6.011	ng	# 86
81) Benzo(a)anthracene	13.99	228	48891	5.634	ng	# 87
83) Chrysene	14.03	228	51437	5.753	ng	# 90
84) Bis(2-ethylhexyl)phthalate	13.98	149	18847	2.576	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.89	276	23836	3.319	ng	94
88) Benzo(b)fluoranthene	15.03	252	73891m	8.644	ng	
89) Benzo(k)fluoranthene	15.06	252	19504m	2.502	ng	
90) Benzo(a)pyrene	15.39	252	44045	5.922	ng	# 96
92) Benzo(a,h,i)perylene	17.33	276	23460	3.534	ng	# 93

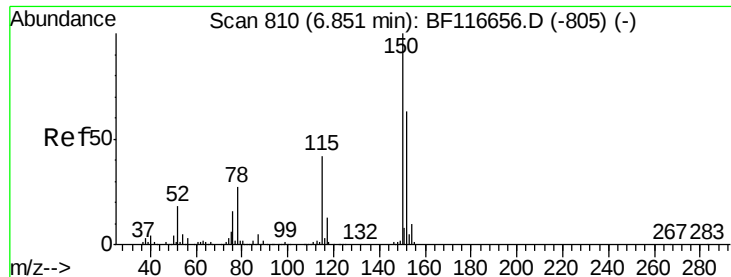
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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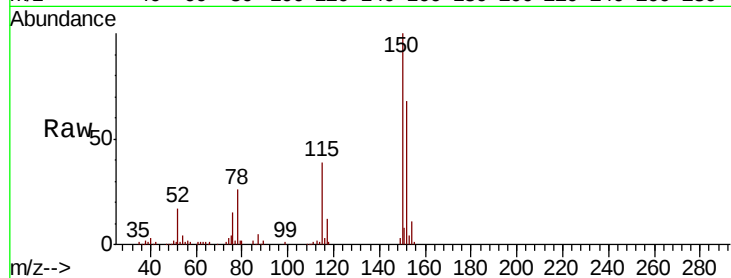


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :
T12-F1-F4-(0-2.7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	124.4	186.6
115	57.6	49.9	74.9

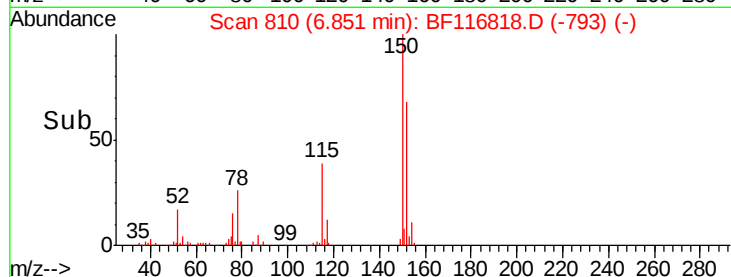
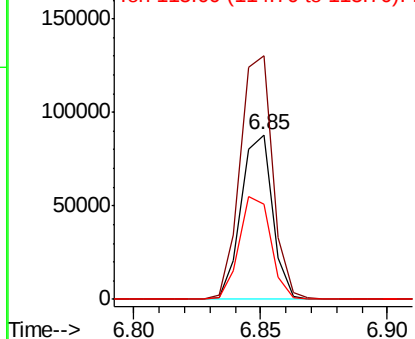


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

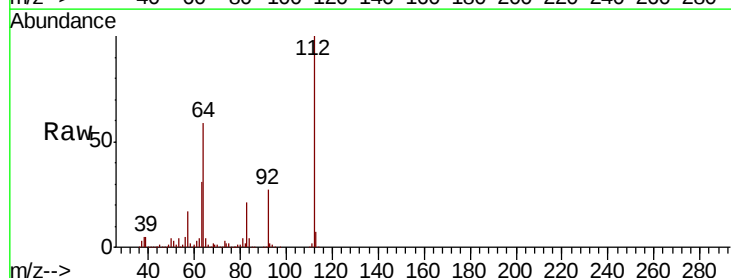
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.051 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.1	70.7
63	30.6	24.9	37.3

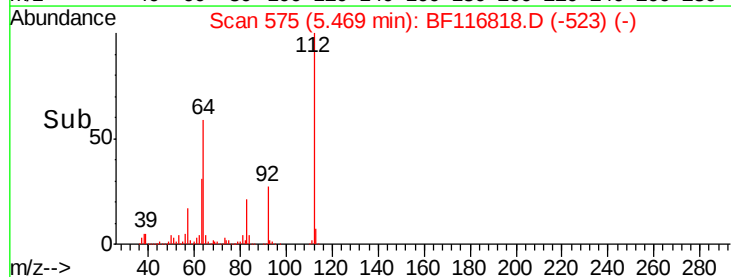
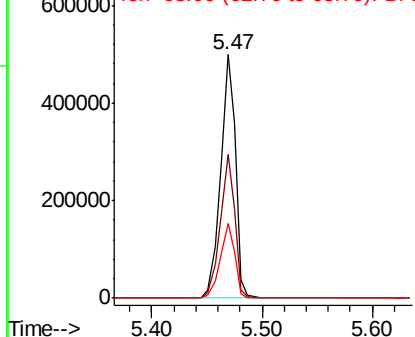


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.754 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

T12-F1-F4-(0-2.7)

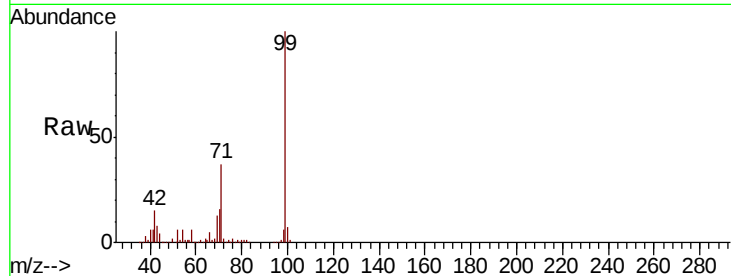
Tot Ion: 99 Resp: 643278

Ion Ratio Lower Upper

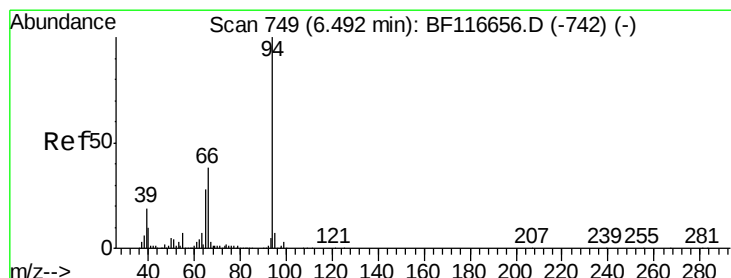
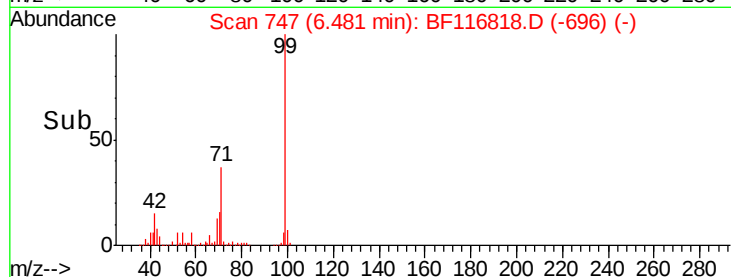
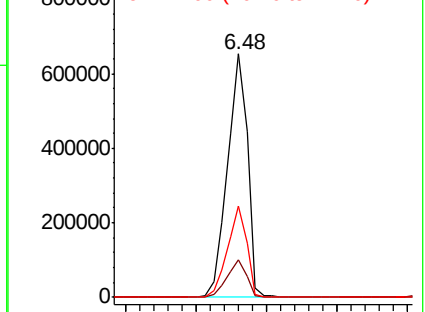
99 100

42 15.5 13.7 20.5

71 37.3 30.8 46.2



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: 4.880 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

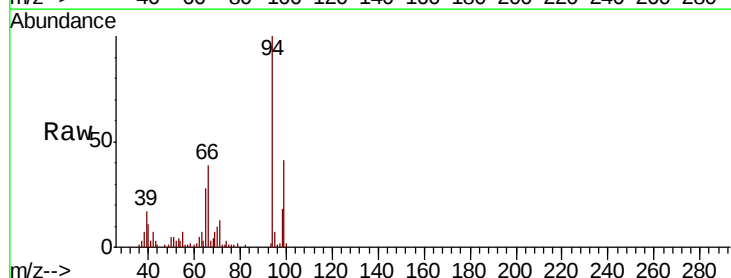
Tgt Ion: 94 Resp: 33186

Ion Ratio Lower Upper

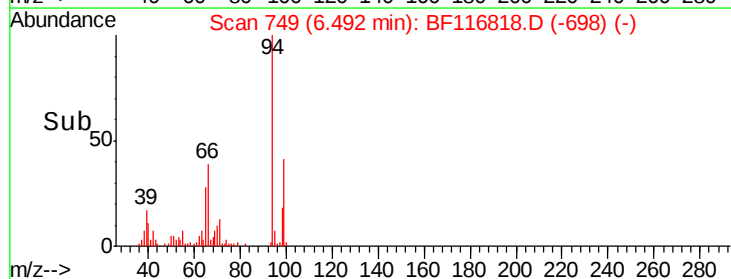
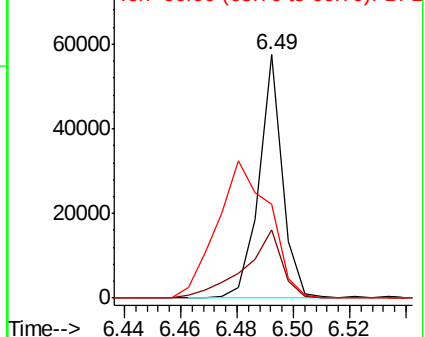
94 100

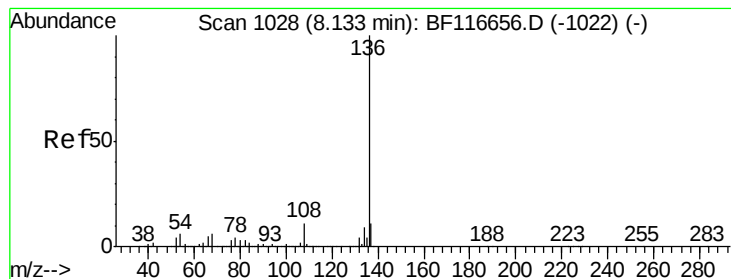
65 28.3 10.8 50.8

66 38.6 21.1 61.1



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

T12-F1-F4-(0-2.7)

Tot Ion:136 Resp: 292435

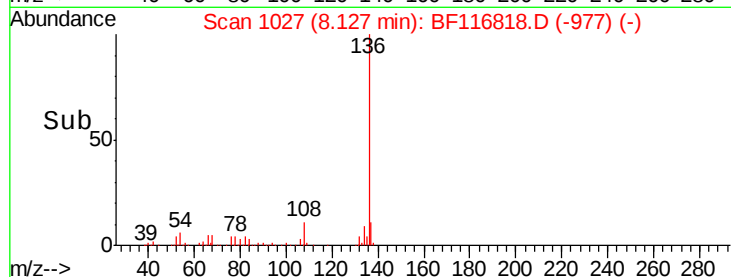
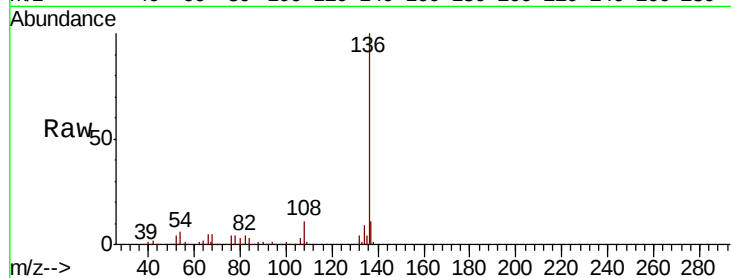
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.1 4.8 7.2

68 4.9 4.0 6.0

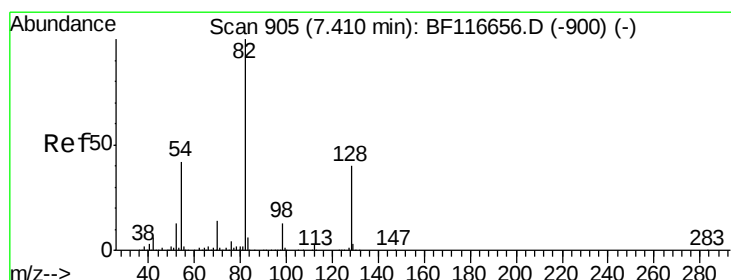
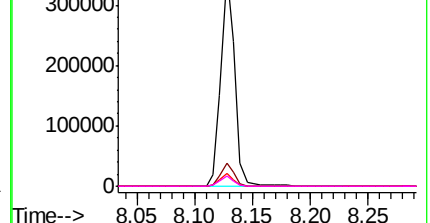


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.870 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

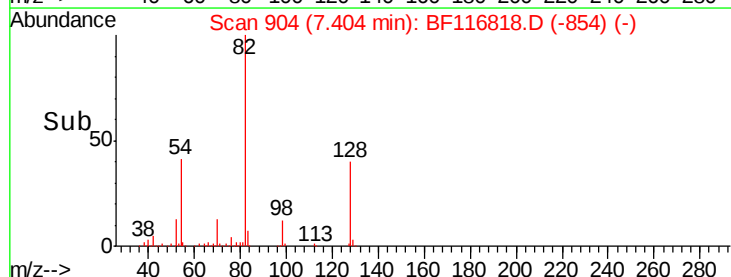
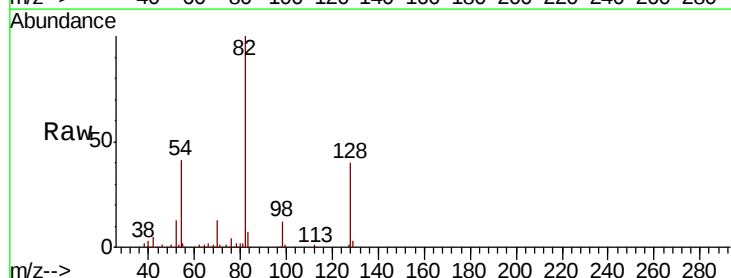
Tgt Ion: 82 Resp: 404021

Ion Ratio Lower Upper

82 100

128 40.2 32.8 49.2

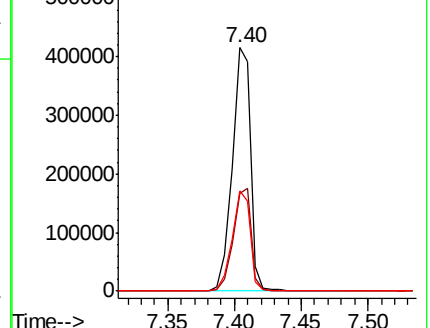
54 41.3 36.9 55.3



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

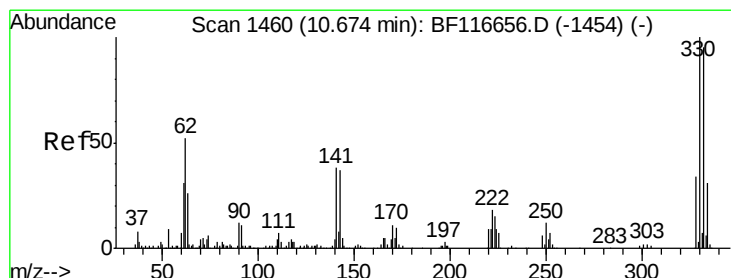
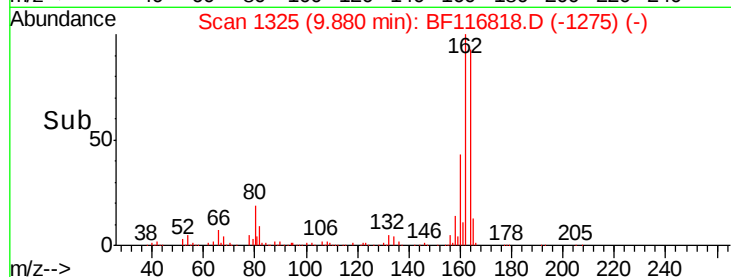
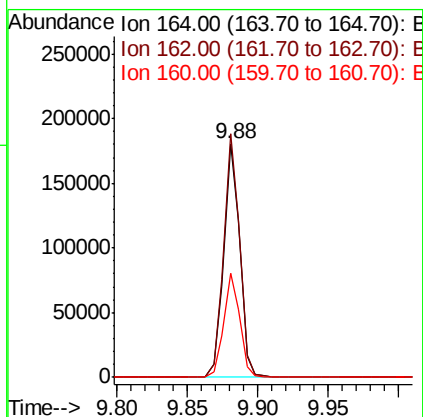
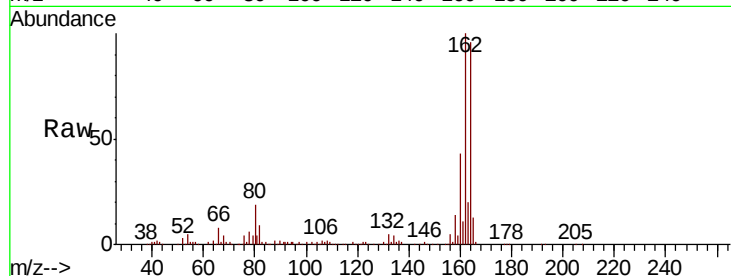




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

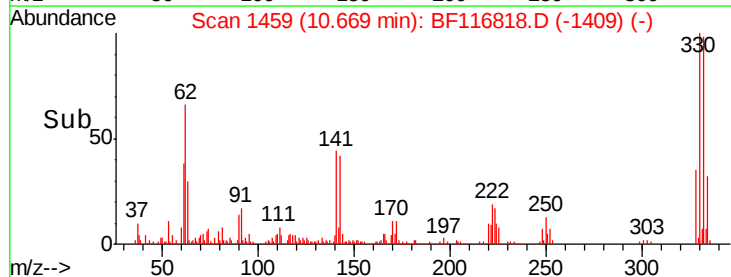
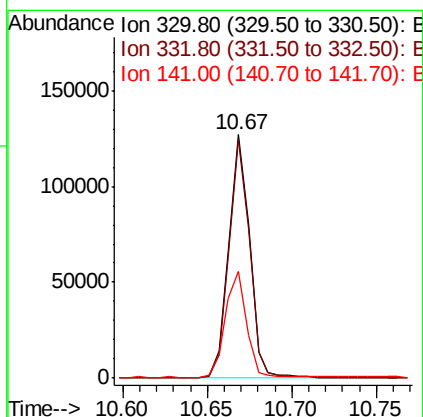
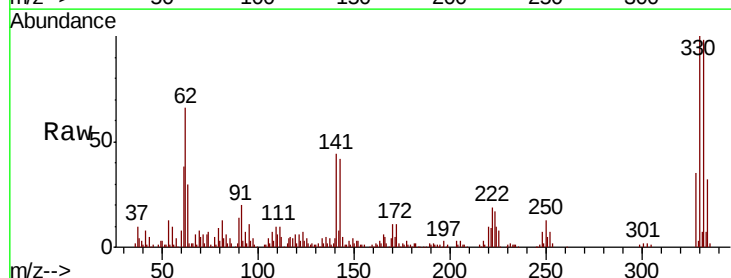
Instrument :
BNA_F
ClientSampleId :
T12-F1-F4-(0-2.7)

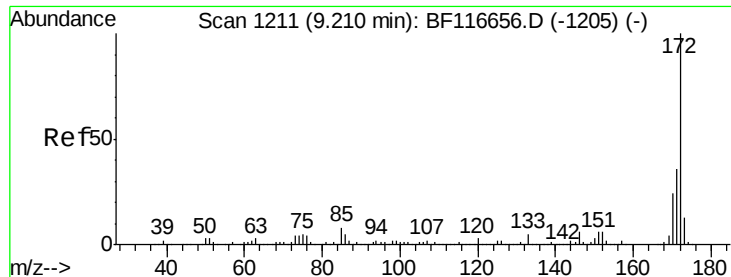
Tot Ion:164 Resp: 143013
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 44.7 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 114.551 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:330 Resp: 109519
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 43.7 31.4 47.2

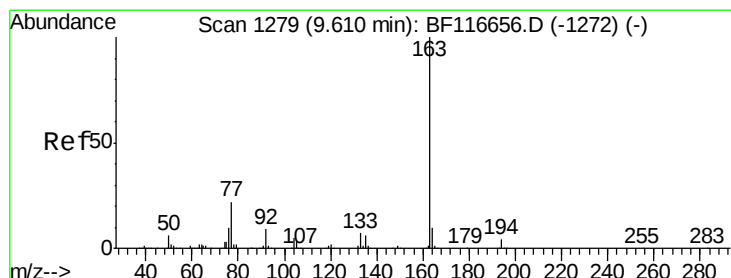
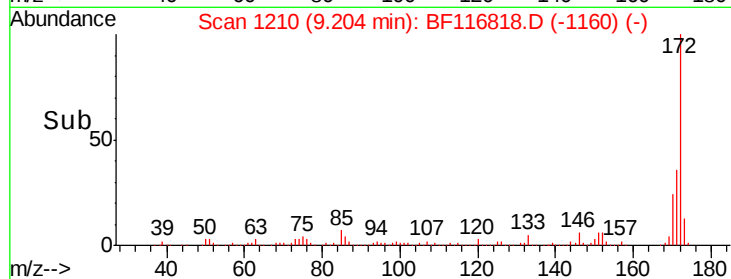
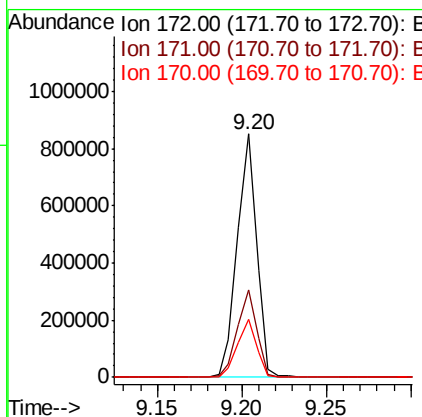
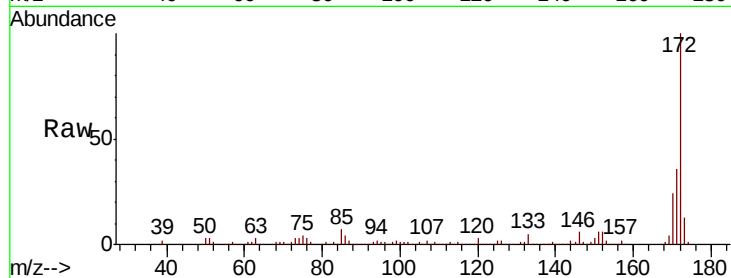




#45
 2-Fluorobiphenyl
 Concen: 80.826 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116818.D
 Acq: 4 Sep 2019 16:27

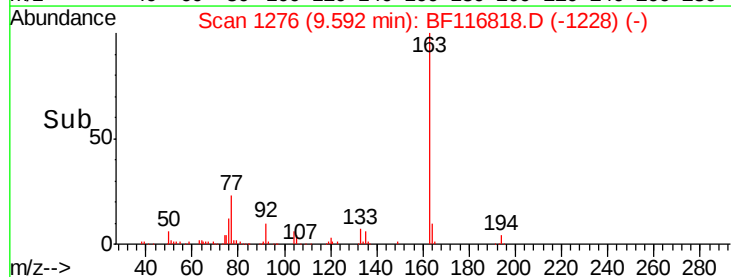
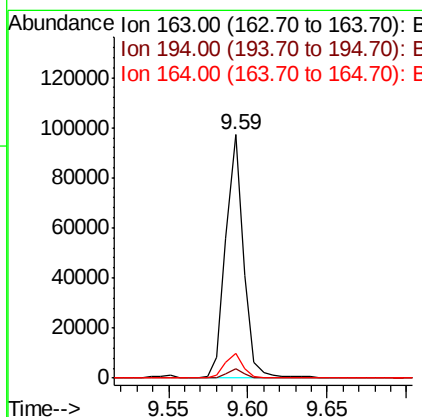
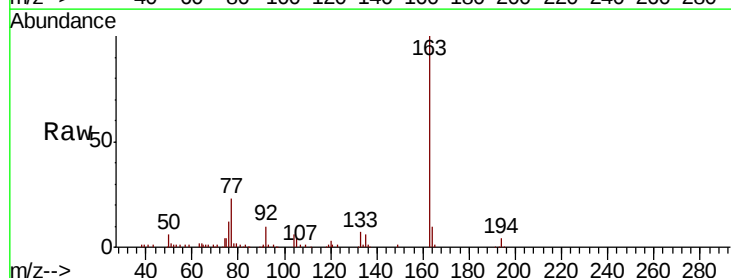
Instrument :
 BNA_F
 ClientSampleId :
 T12-F1-F4-(0-2.7)

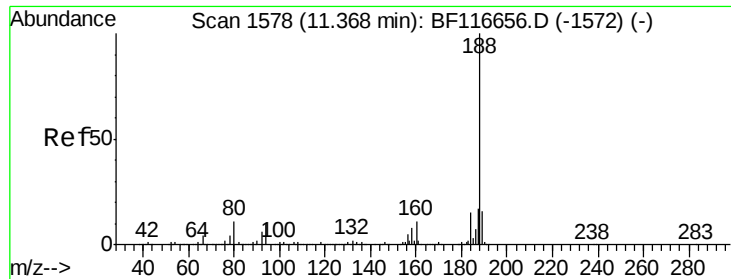
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.0	18.9	28.3



#50
 Dimethylphthalate
 Concen: 7.758 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116818.D
 Acq: 4 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	10.3	8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

T12-F1-F4-(0-2.7)

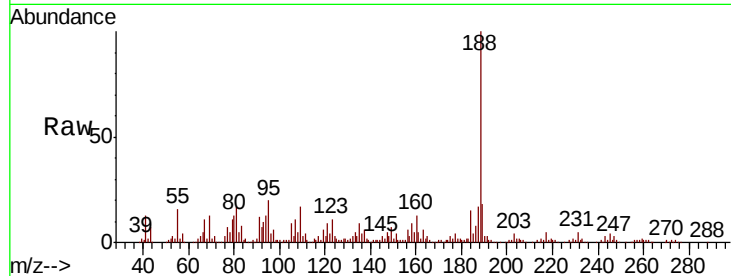
Tot Ion:188 Resp: 190719

Ion Ratio Lower Upper

188 100

94 13.2 7.3 10.9#

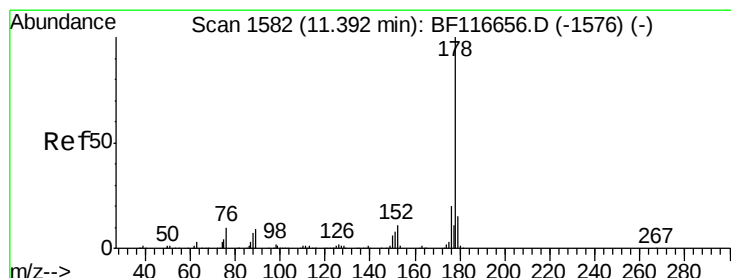
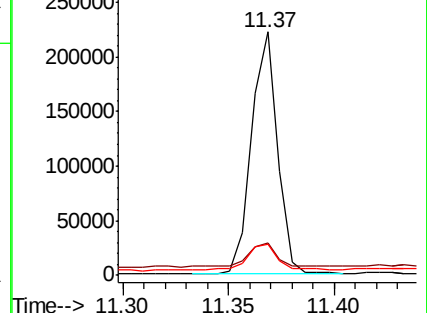
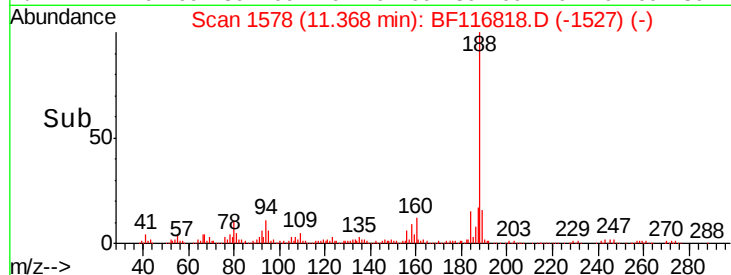
80 12.7 8.4 12.6#



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



#71

Phenanthrene

Concen: 3.134 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

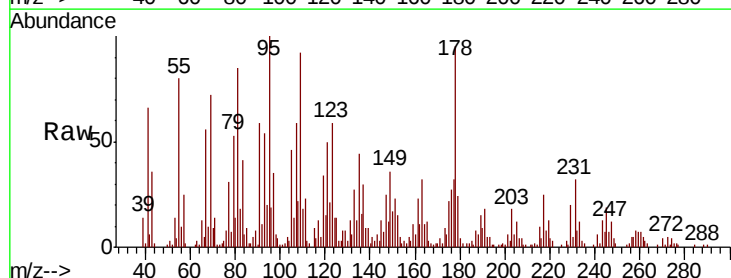
Tgt Ion:178 Resp: 33269

Ion Ratio Lower Upper

178 100

176 28.8 15.4 23.0#

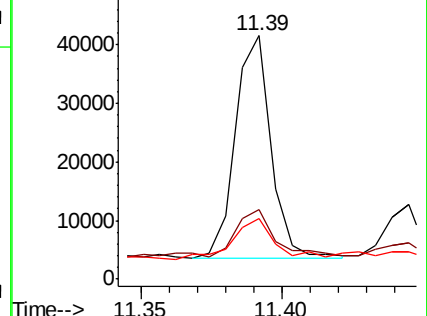
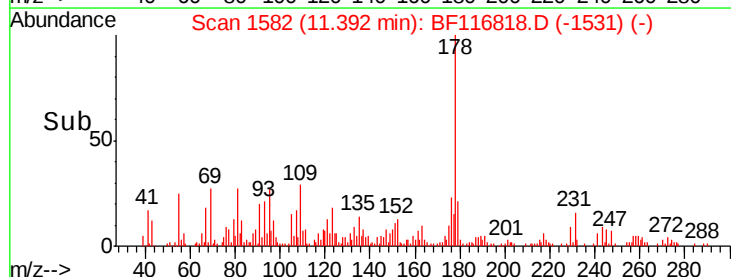
179 25.1 12.2 18.2#

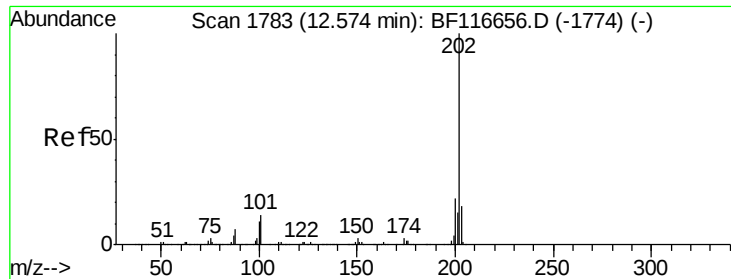


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.298 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

T12-F1-F4-(0-2.7)

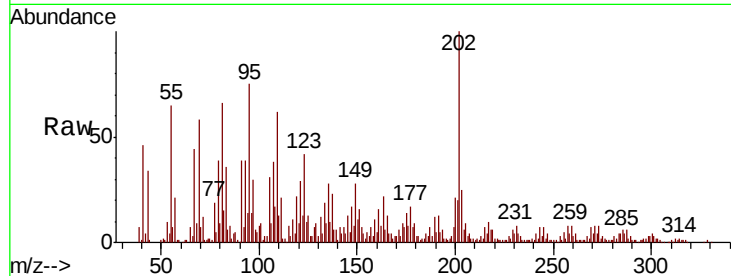
Tot Ion:202 Resp: 76140

Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.3

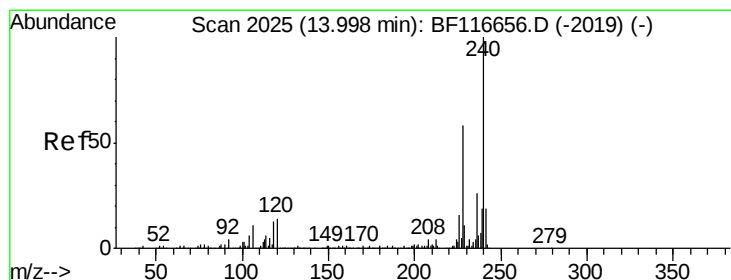
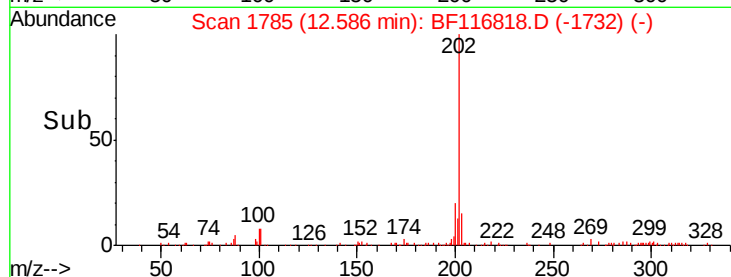
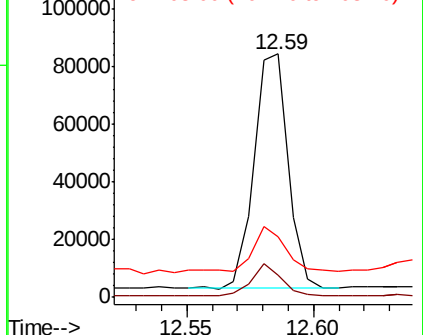
203 25.1 0.0 37.6



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: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

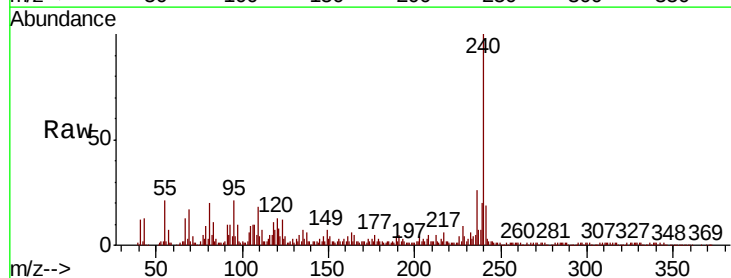
Tgt Ion:240 Resp: 137122

Ion Ratio Lower Upper

240 100

120 13.4 9.1 13.7

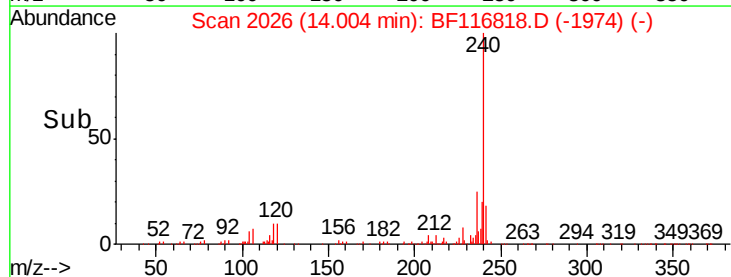
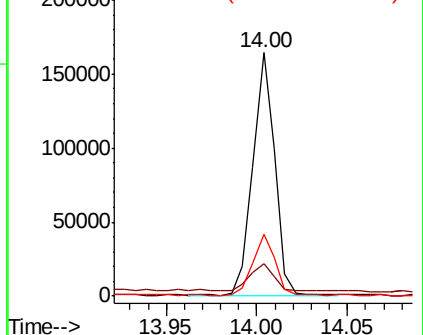
236 25.6 21.1 31.7

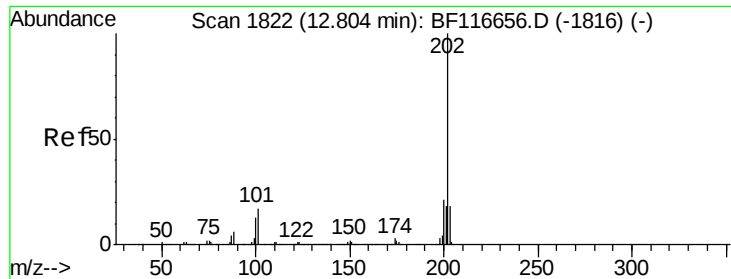


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

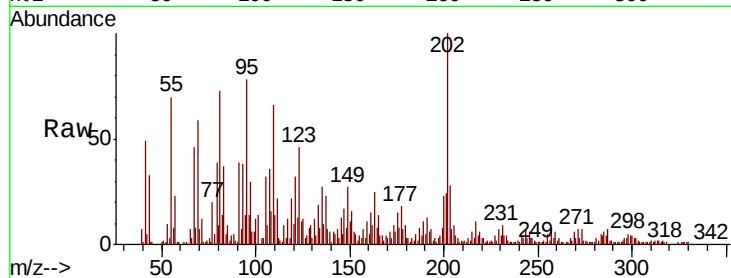




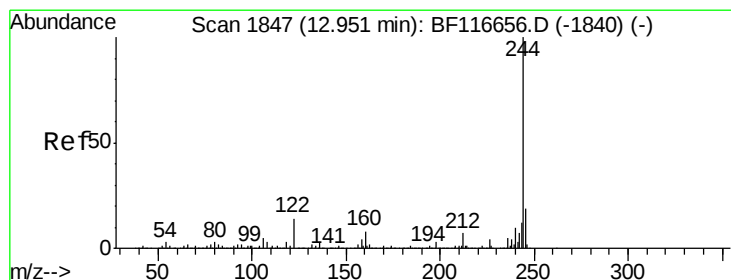
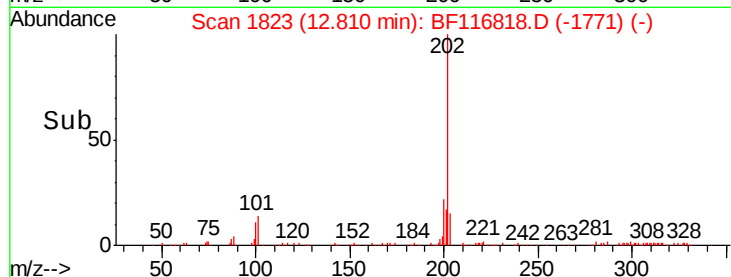
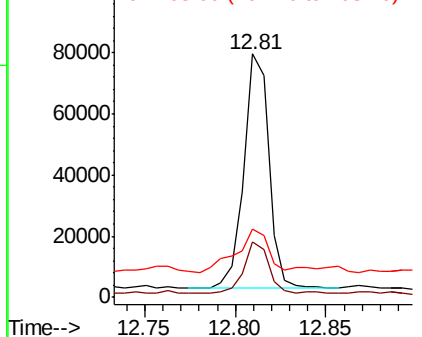
#78
Pvrene
Concen: 6.011 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :
T12-F1-F4-(0-2.7)

Tot Ion:202 Resp: 73270
Ion Ratio Lower Upper
202 100
200 22.7 16.5 24.7
203 28.2 13.7 20.5#

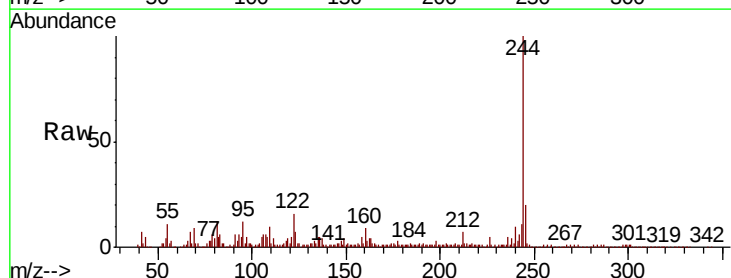


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

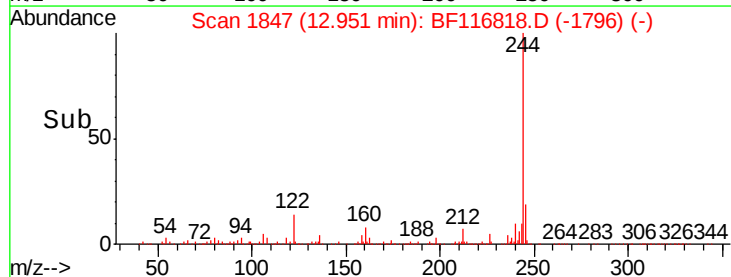
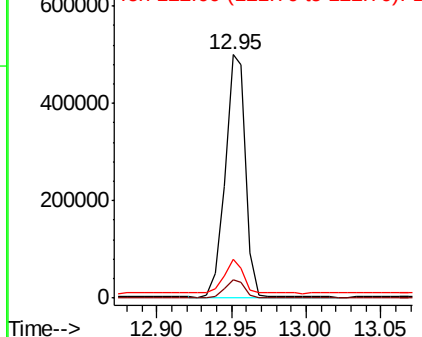


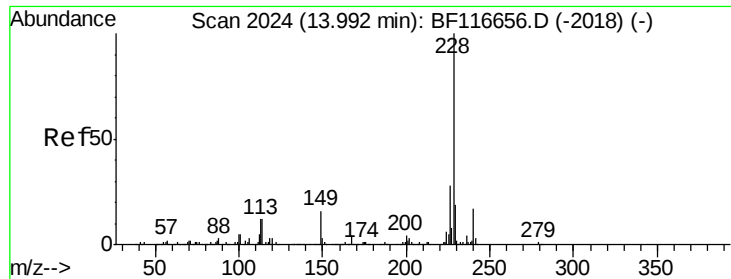
#79
Terphenyl-d14
Concen: 64.656 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:244 Resp: 479247
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 15.9 10.2 15.4#



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

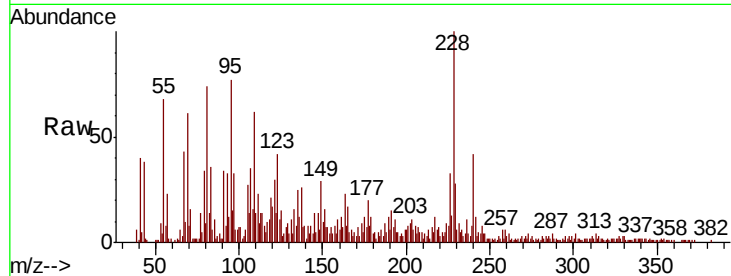




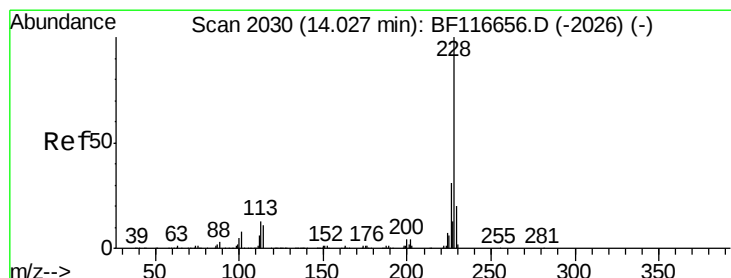
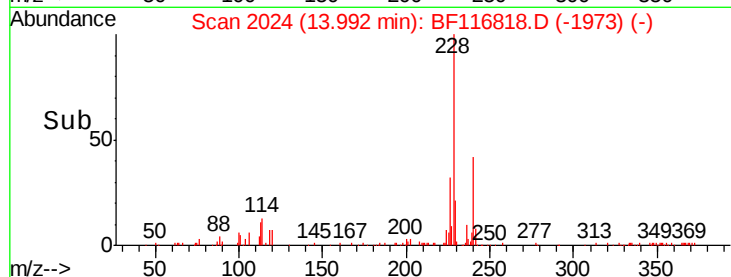
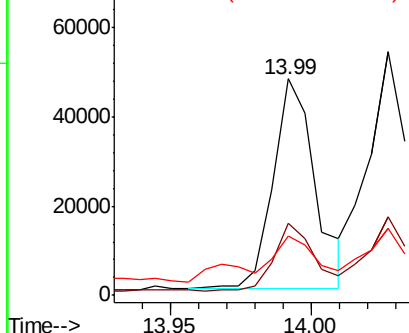
#81
Benzo(a)anthracene
Concen: 5.634 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :
T12-F1-F4-(0-2.7)

Tot Ion:228 Resp: 48891
Ion Ratio Lower Upper
228 100
226 33.2 22.0 33.0#
229 27.6 16.4 24.6#

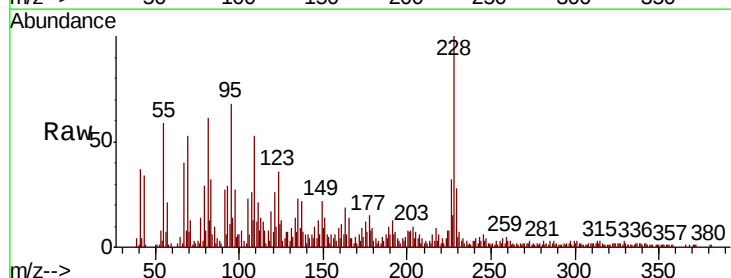


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

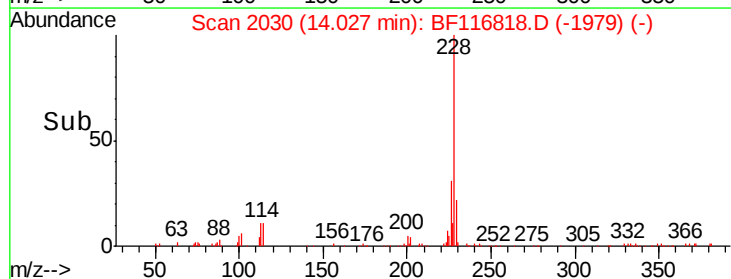
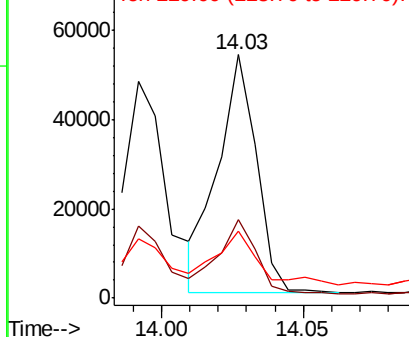


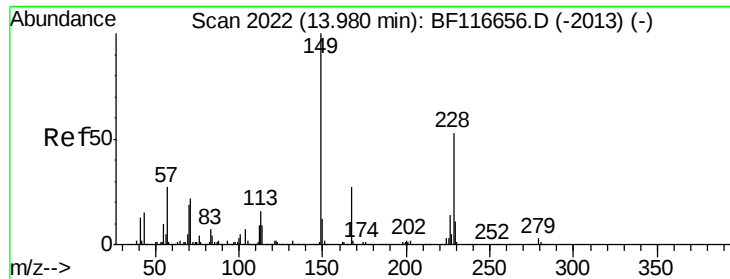
#83
Chrysene
Concen: 5.753 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:228 Resp: 51437
Ion Ratio Lower Upper
228 100
226 32.1 24.0 36.0
229 27.7 15.4 23.0#



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: 2.576 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

T12-F1-F4-(0-2.7)

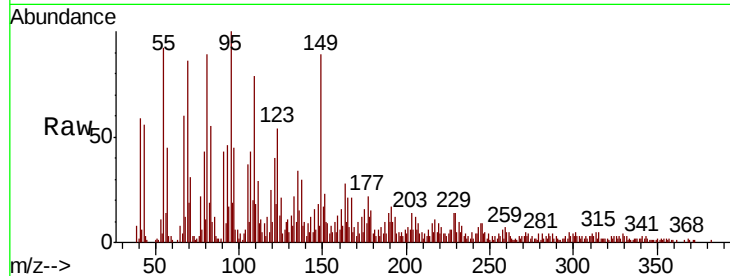
Tot Ion:149 Resp: 18847

Ion Ratio Lower Upper

149 100

167 23.7 21.0 31.4

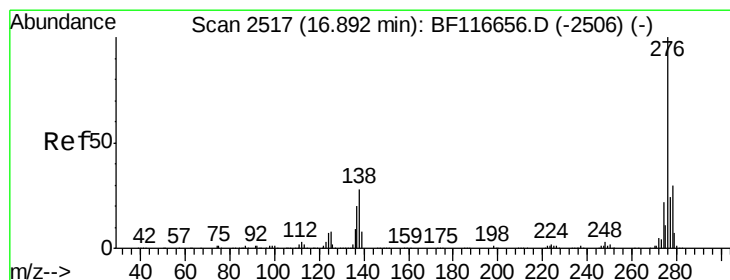
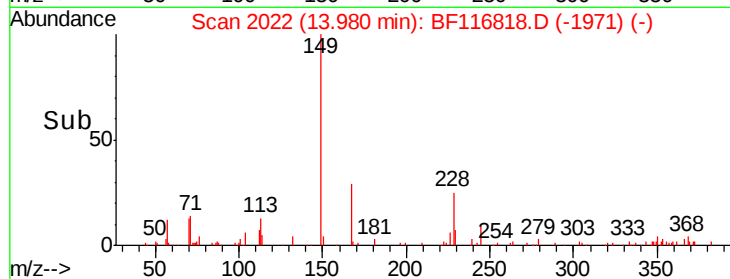
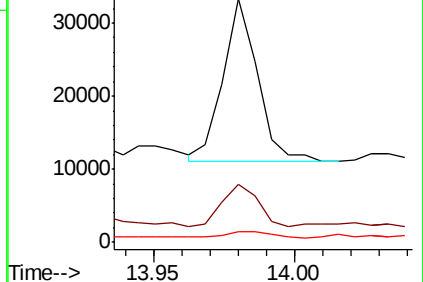
279 4.5 2.8 4.2#



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.319 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

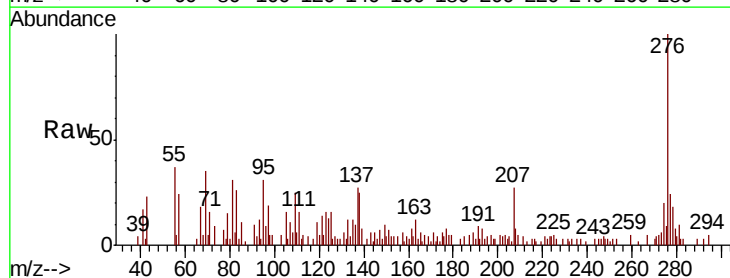
Tgt Ion:276 Resp: 23836

Ion Ratio Lower Upper

276 100

138 22.4 19.4 29.2

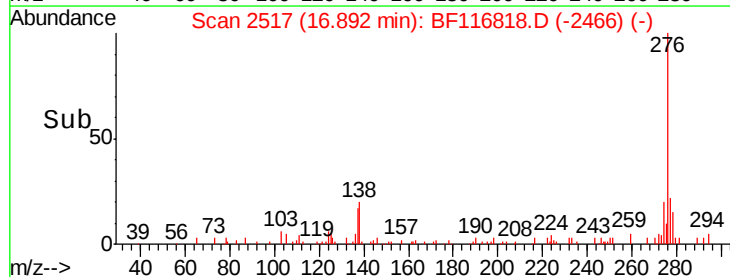
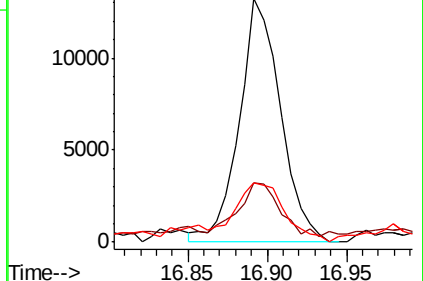
277 29.7 20.5 30.7

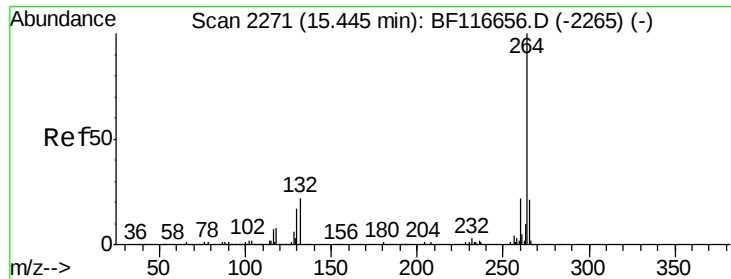


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



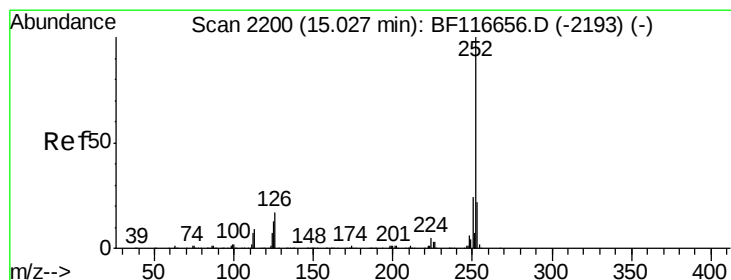
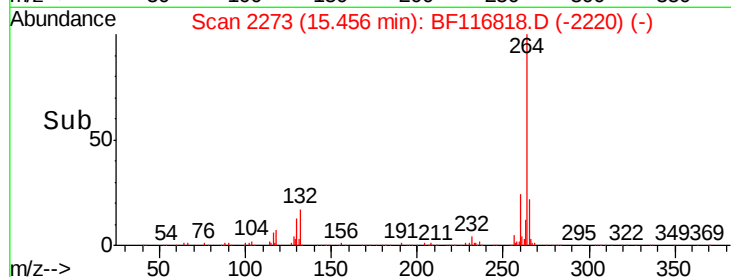
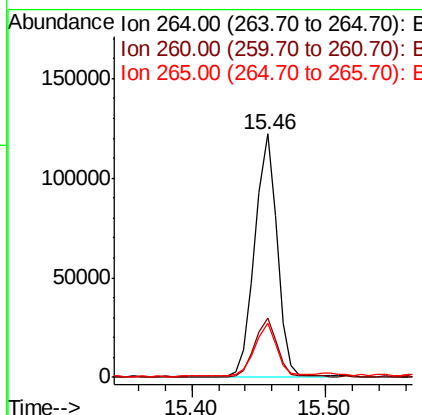
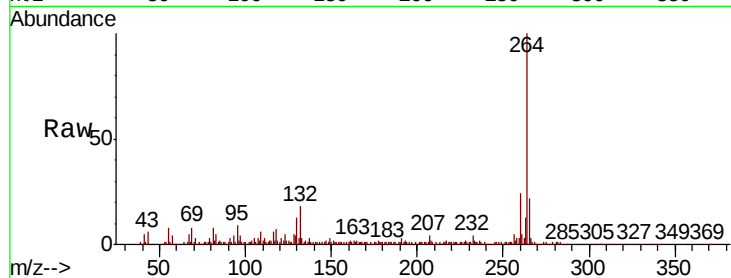


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :
T12-F1-F4-(0-2.7)

Tot Ion:264 Resp: 141390

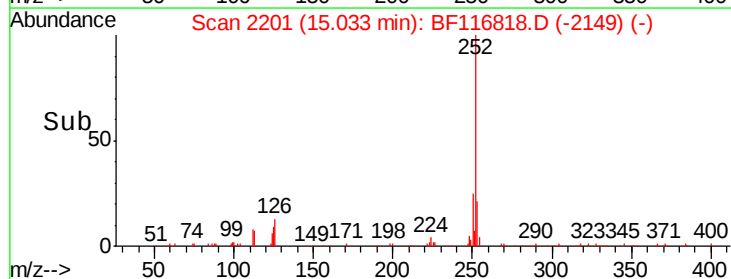
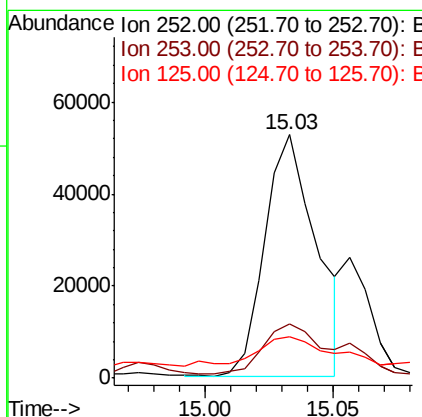
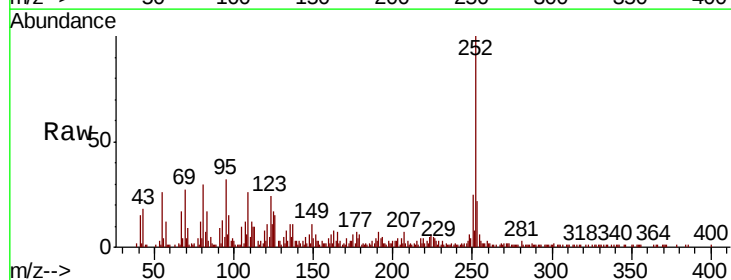
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.3	27.5
265	22.2	16.5	24.7

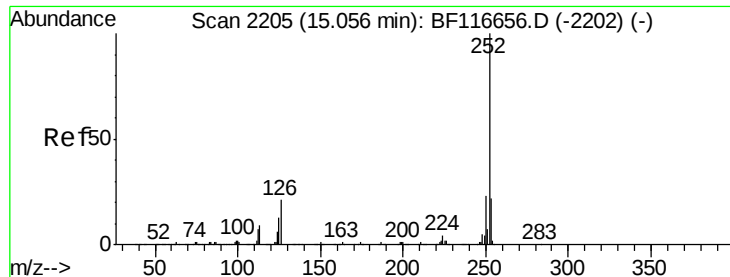


#88
Benzo(b)fluoranthene
Concen: 8.644 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:252 Resp: 73891

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	17.0	8.2	12.2#

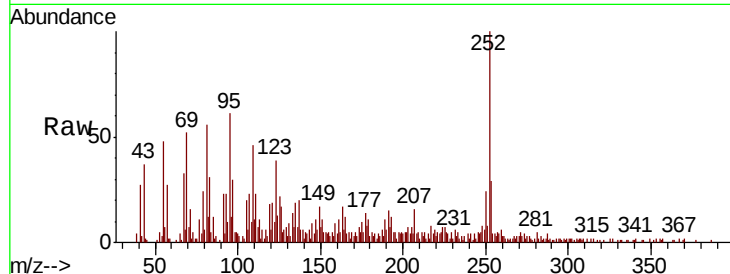




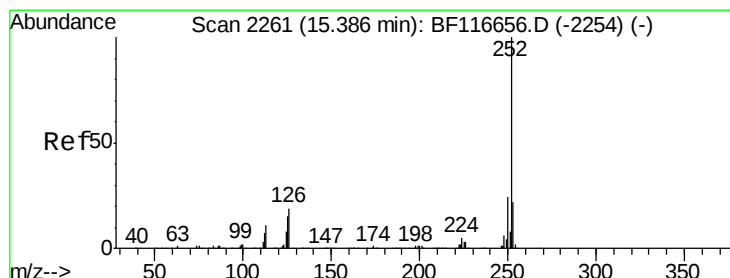
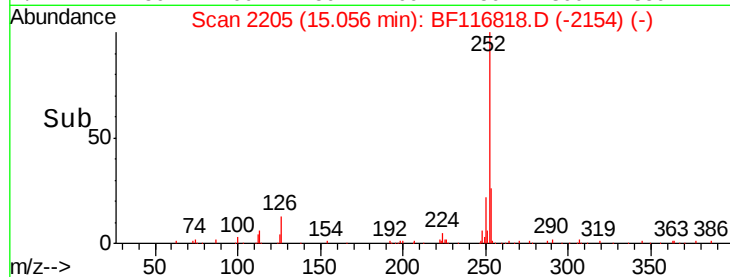
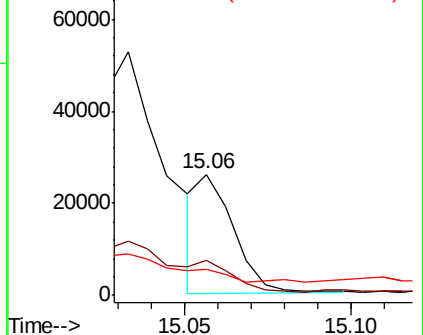
#89
Benzo(k)fluoranthene
Concen: 2.502 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :
T12-F1-F4-(0-2.7)

Tot Ion:252 Resp: 19504
Ion Ratio Lower Upper
252 100
253 28.8 17.7 26.5#
125 21.7 8.6 13.0#

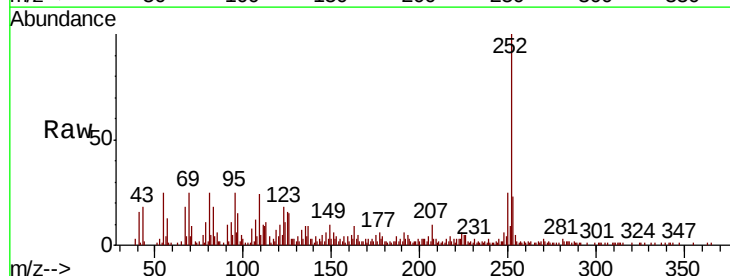


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

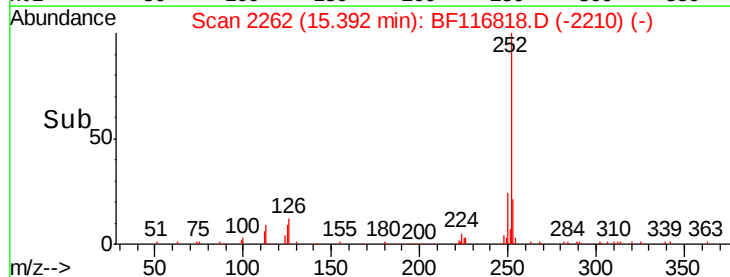
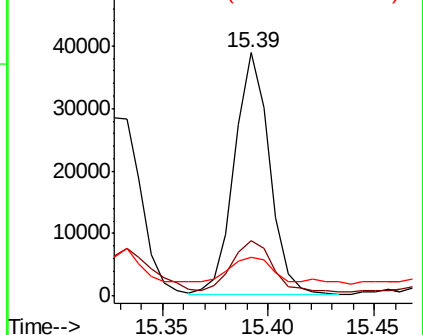


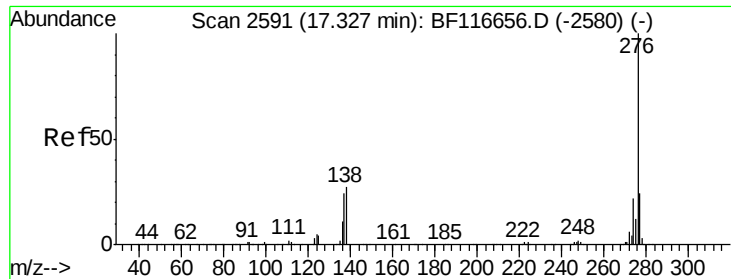
#90
Benzo(a)pyrene
Concen: 5.922 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:252 Resp: 44045
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 15.9 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





#92
 Benzo(a,h,i)perylene
 Concen: 3.534 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.01 min
 Lab File: BF116818.D
 Acq: 4 Sep 2019 16:27

Instrument :
 BNA_F
 ClientSampleId :
 T12-F1-F4-(0-2.7)

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.7	18.5	27.7
138	25.8	16.2	24.2

