

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116812.D
 Acq On : 4 Sep 2019 13:44
 Operator : HP/JU
 Sample : K4623-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:05:45 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	69899	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	277242	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	146747	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	243648	20.00	ng	0.00
76) Chrysene-d12	14.00	240	167440	20.00	ng	0.00
87) Perylene-d12	15.45	264	173198	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	370465	85.86	ng	0.00
7) Phenol-d6	6.47	99	501246	88.47	ng	0.00
23) Nitrobenzene-d5	7.40	82	305873	62.98	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	104107	106.12	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	478983	55.06	ng	0.00
79) Terphenyl-d14	12.95	244	482900	53.35	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.49	94	16929	2.698	ng	92
19) n-Nitroso-di-n-propylamine	7.40	70	40809	10.940	ng	# 70
25) Isophorone	7.40	82	305870	31.082	ng	# 66
50) Dimethylphthalate	9.59	163	115416	11.392	ng	100
57) 2,4-Dinitrotoluene	9.88	165	18630	7.882	ng	# 22
71) Phenanthrene	11.39	178	97121	7.161	ng	100
72) Anthracene	11.39	178	97121	7.113	ng	100
75) Fluoranthene	12.57	202	240862	18.070	ng	100
78) Pyrene	12.80	202	199878	13.429	ng	98
81) Benzo(a)anthracene	13.99	228	84025	7.929	ng	98
83) Chrysene	14.02	228	112425	10.297	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	31227	3.495	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.89	276	58369	6.656	ng	99
88) Benzo(b)fluoranthene	15.03	252	175665	16.776	ng	# 96
89) Benzo(k)fluoranthene	15.03	252	175665	18.399	ng	96
90) Benzo(a)pyrene	15.39	252	80044	8.786	ng	99
91) Dibenzo(a,h)anthracene	16.90	278	16101	2.019	ng	# 86
92) Benzo(g,h,i)perylene	17.32	276	52697	6.480	ng	94

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

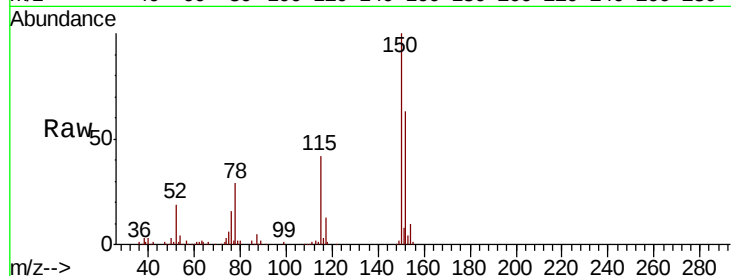


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.4	186.6
115	66.8	49.9	74.9

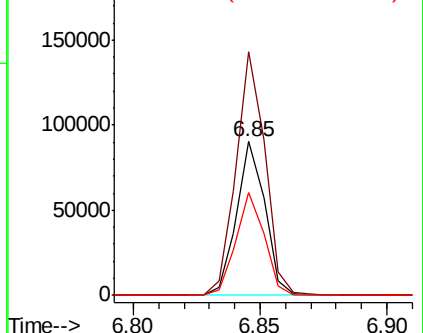
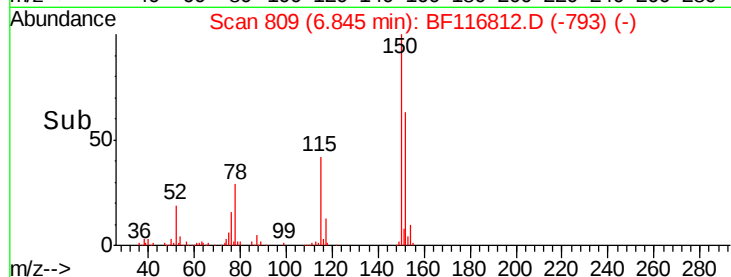


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

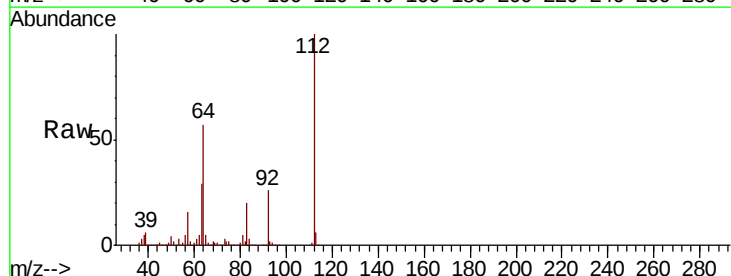
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.863 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.1	70.7
63	28.9	24.9	37.3

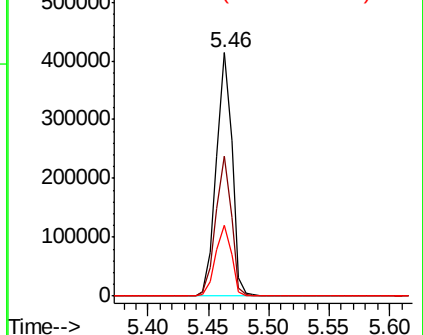
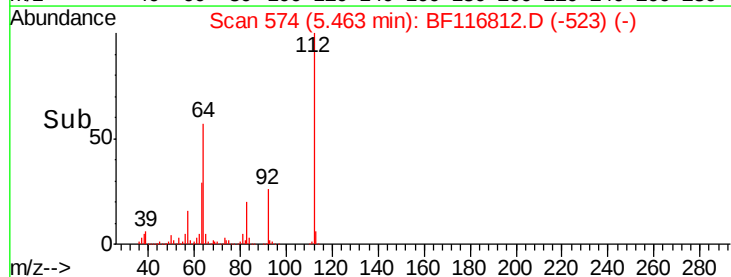


Abundance

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: 88.473 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

Instrument :

BNA_F

ClientSampleId :

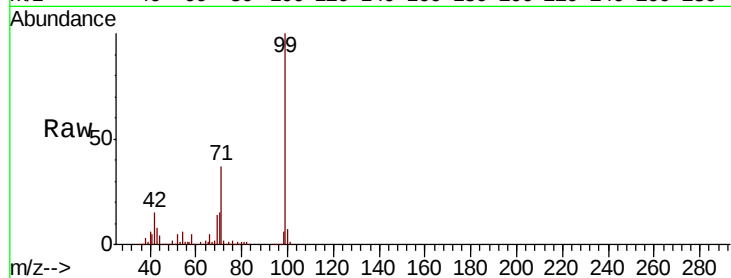
Tot Ion: 99 Resp: 501246

Ion Ratio Lower Upper

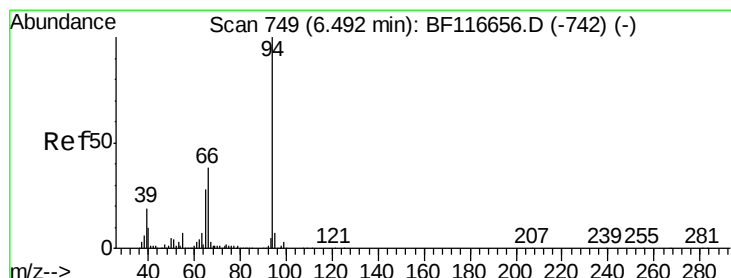
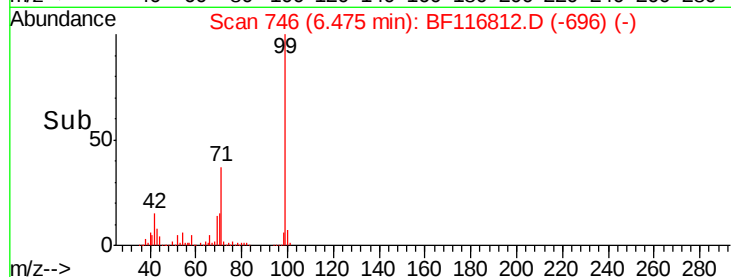
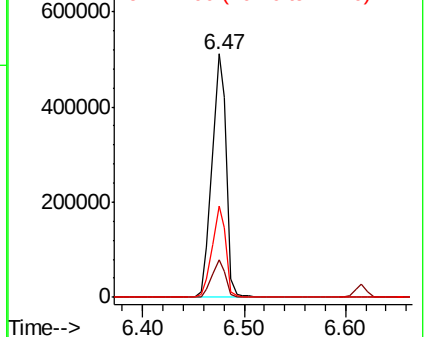
99 100

42 15.4 13.7 20.5

71 37.4 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: 2.698 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

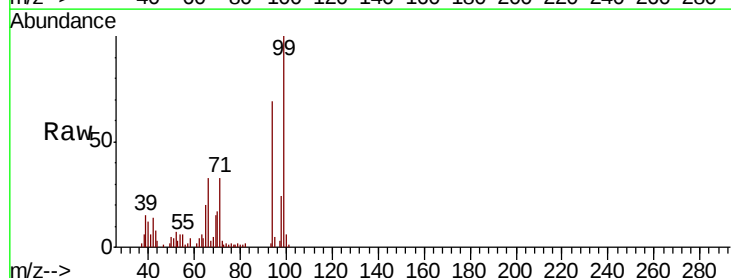
Tgt Ion: 94 Resp: 16929

Ion Ratio Lower Upper

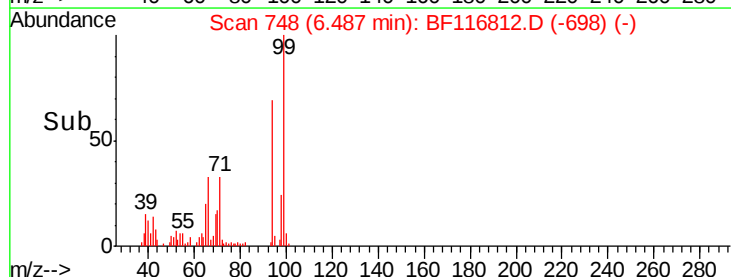
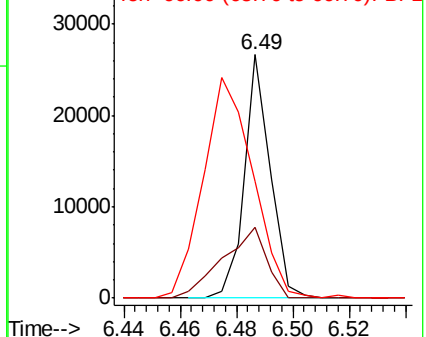
94 100

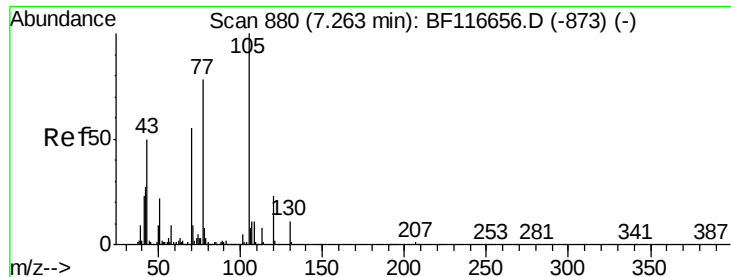
65 28.9 10.8 50.8

66 47.9 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

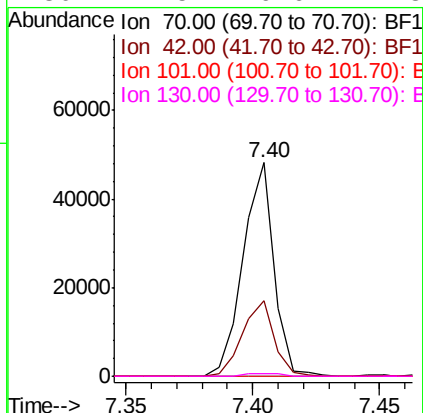
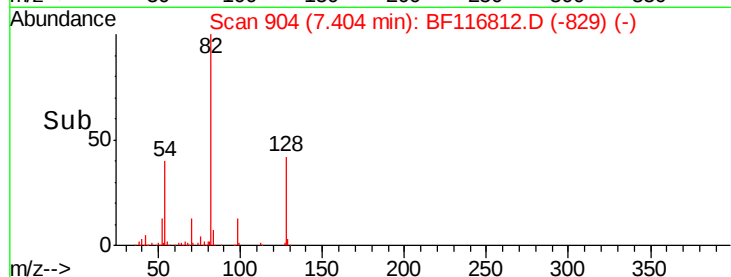
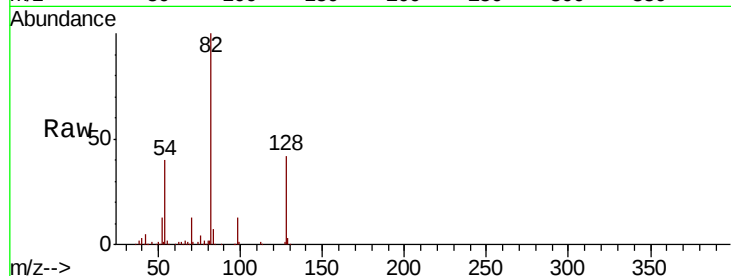




#19
n-Nitroso-di-n-propylamine
Concen: 10.940 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

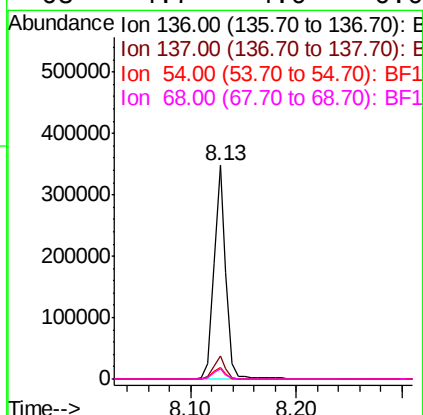
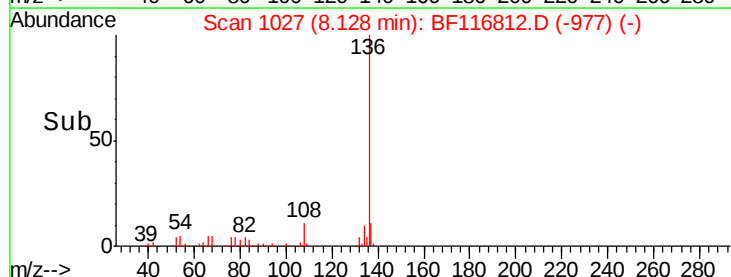
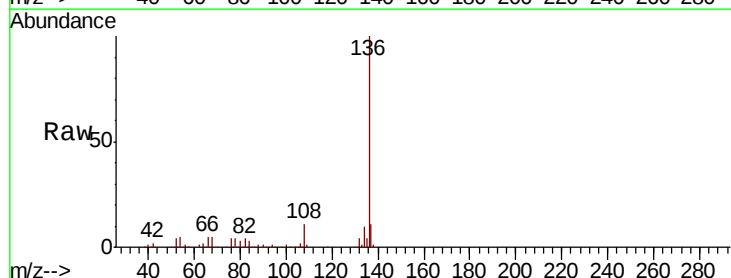
Instrument :
BNA_F
ClientSampleId :

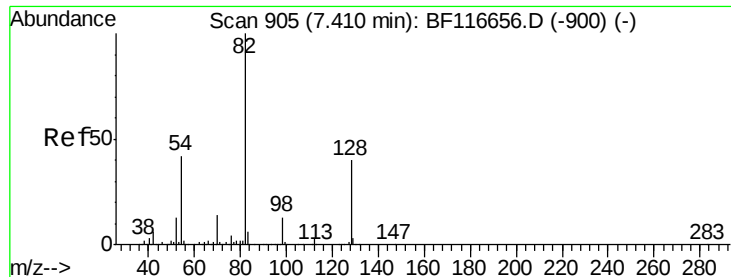
Tot Ion	Ratio	Lower	Upper
70	100		
42	35.1	43.5	65.3#
101	0.0	7.8	11.6#
130	1.5	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.2	4.8	7.2
68	4.7	4.0	6.0

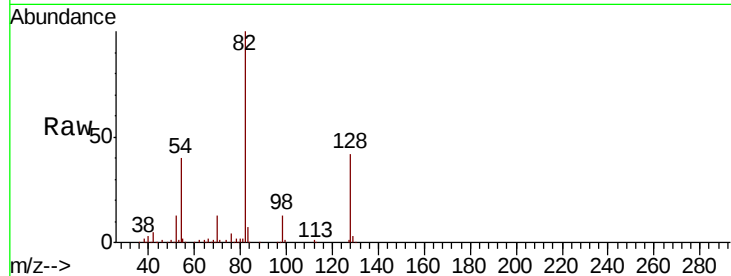




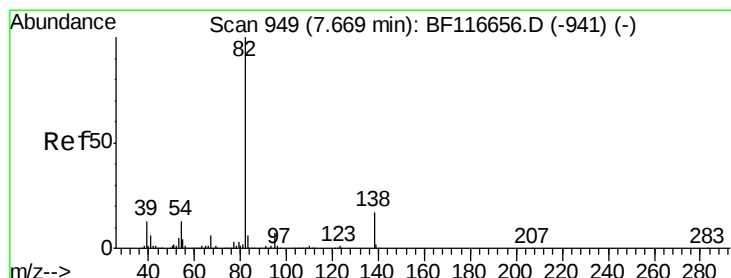
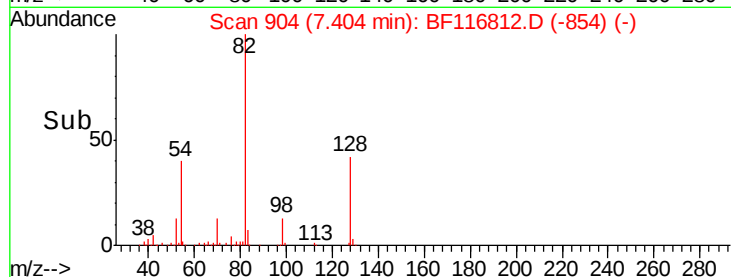
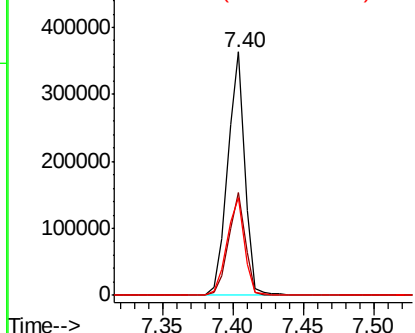
#23
Nitrobenzene-d5
Concen: 62.983 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	305873
Ion Ratio	Lower	Upper	
82	100		
128	42.4	32.8	49.2
54	40.3	36.9	55.3

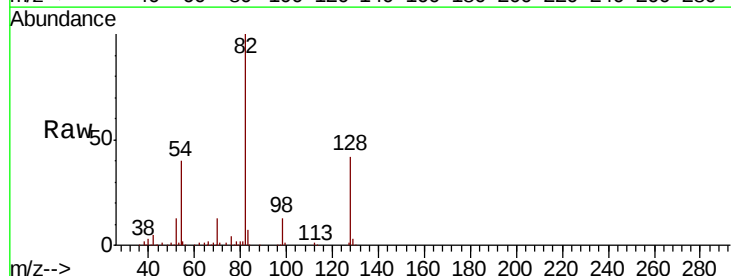


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

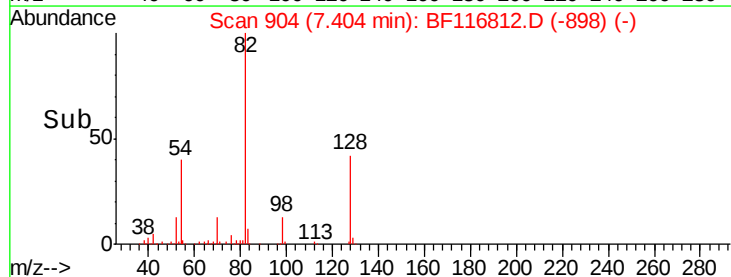
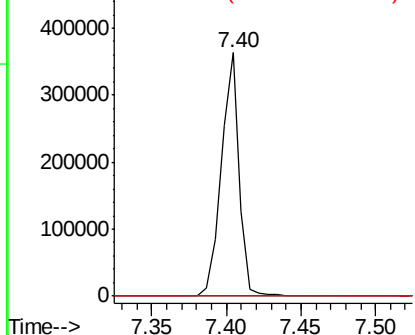


#25
Isophorone
Concen: 31.082 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion	82	Resp	305870
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



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

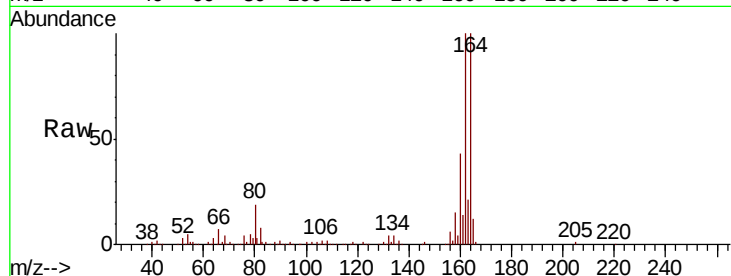




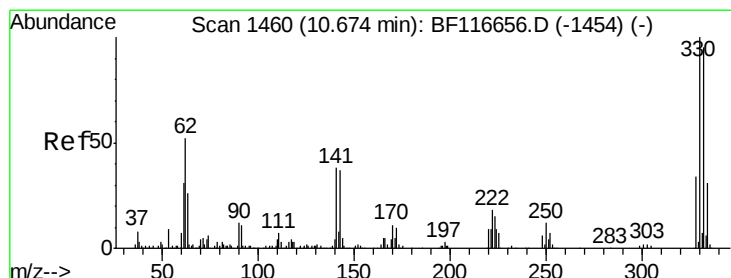
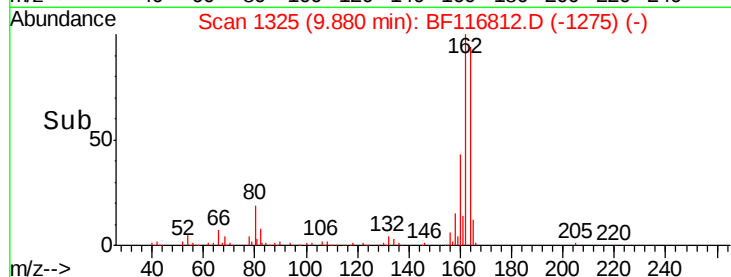
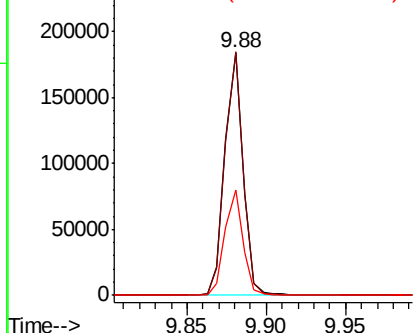
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 146747
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 43.4 35.4 53.2

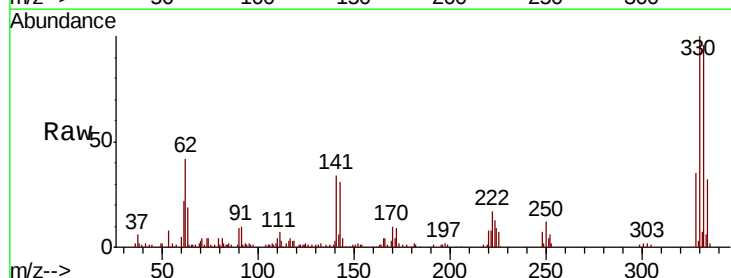


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

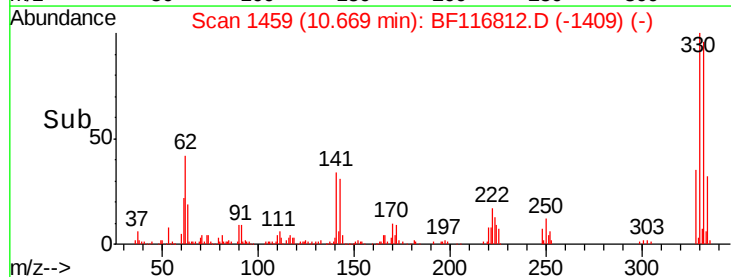
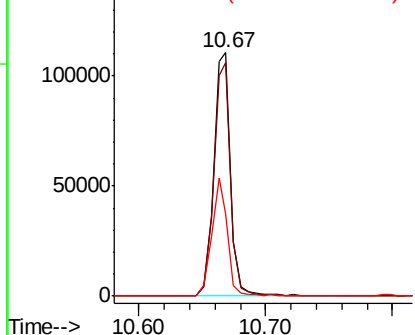


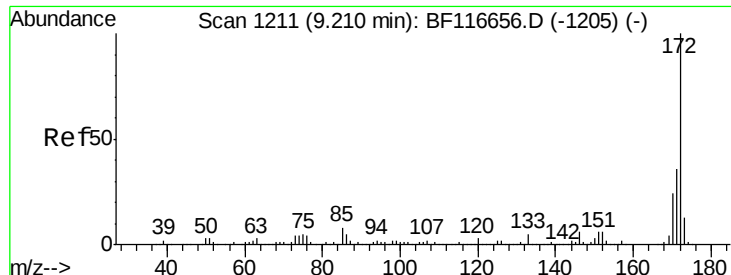
#42
2,4,6-Tribromophenol
Concen: 106.120 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion:330 Resp: 104107
Ion Ratio Lower Upper
330 100
332 95.5 76.9 115.3
141 44.5 31.4 47.2



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

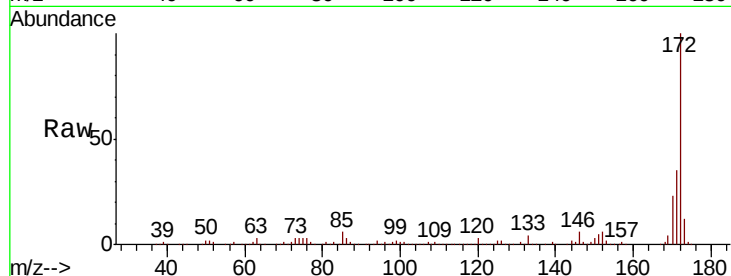




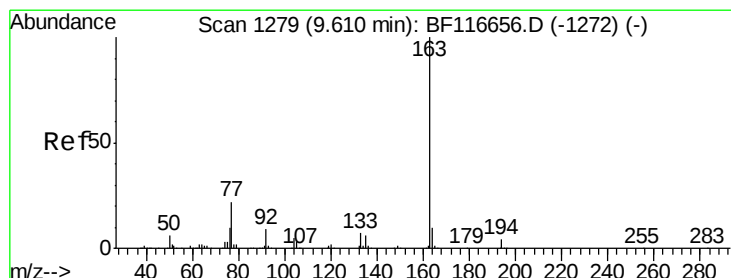
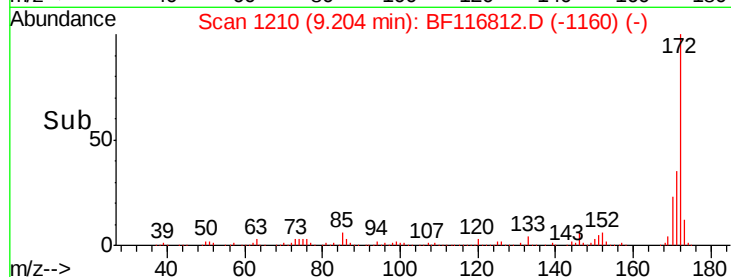
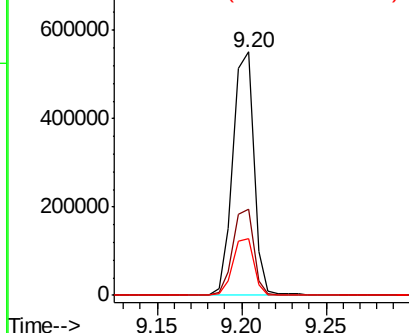
#45
2-Fluorobiphenyl
Concen: 55.060 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 478983
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.6
170 23.1 18.9 28.3

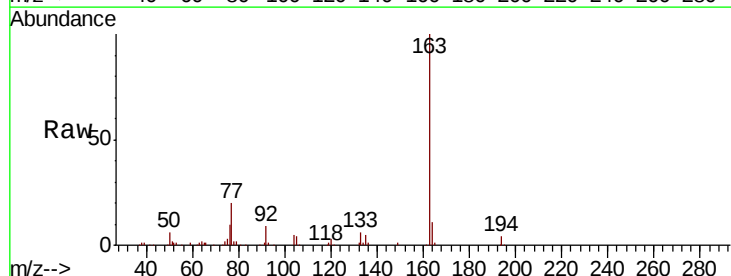


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

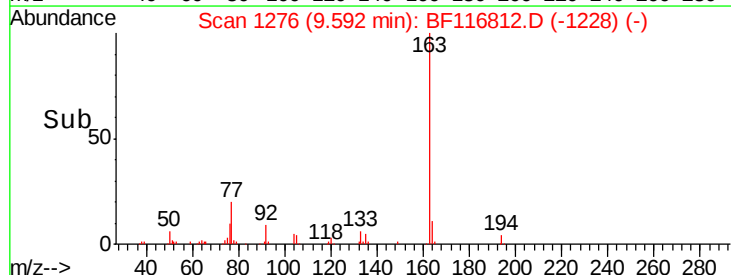
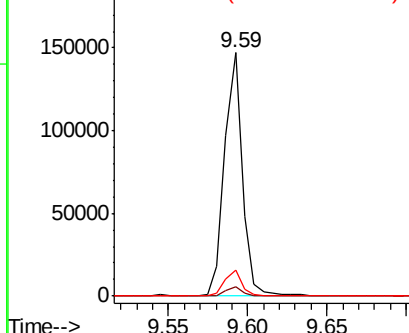


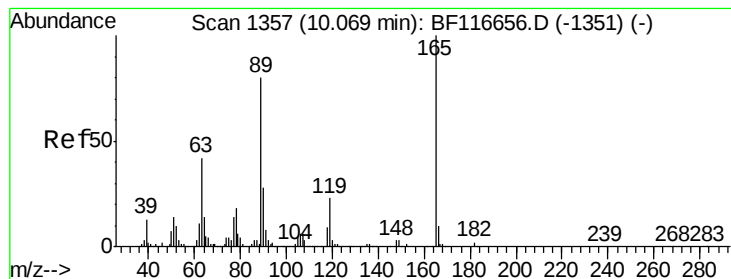
#50
Dimethylphthalate
Concen: 11.392 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion:163 Resp: 115416
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 10.6 8.6 12.8



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: 7.882 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 18630

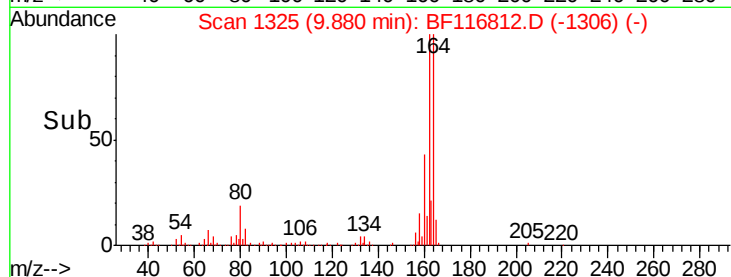
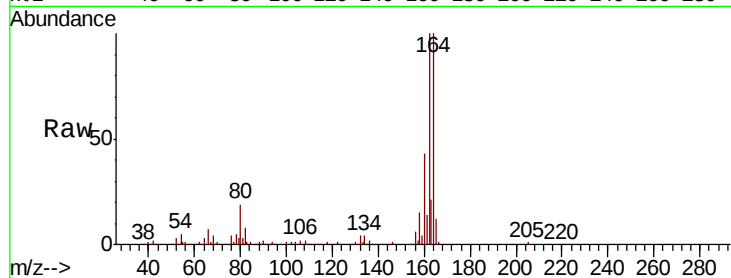
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.9 62.6 94.0#

182 0.0 2.1 3.1#

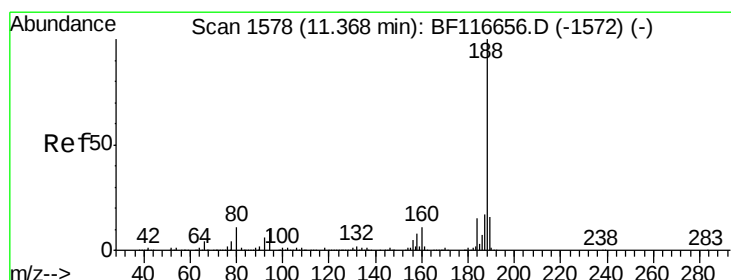
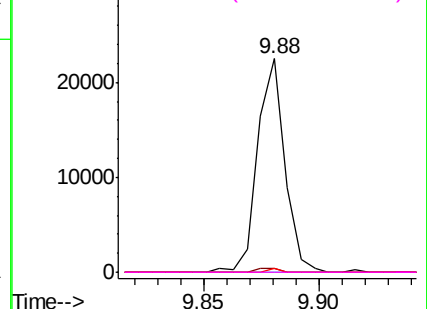


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

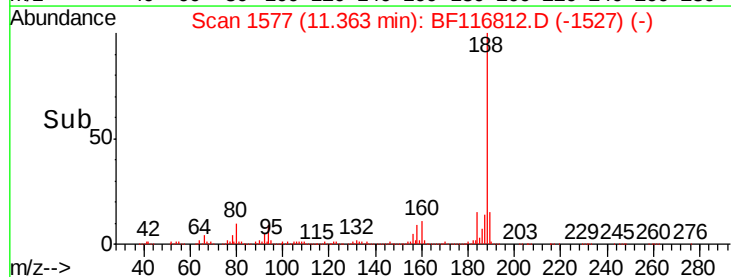
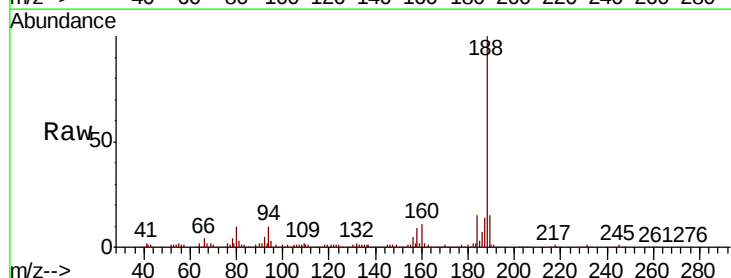
Tgt Ion:188 Resp: 243648

Ion Ratio Lower Upper

188 100

94 9.7 7.3 10.9

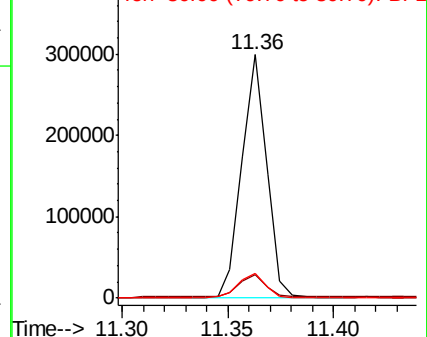
80 10.2 8.4 12.6

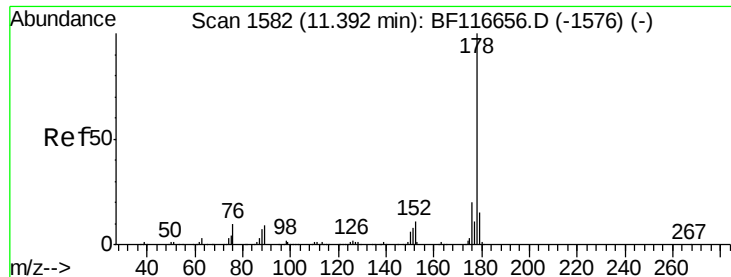


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

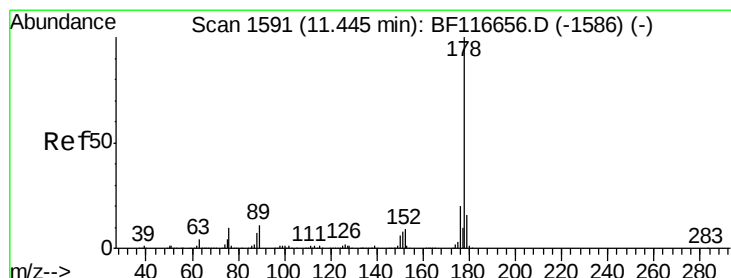
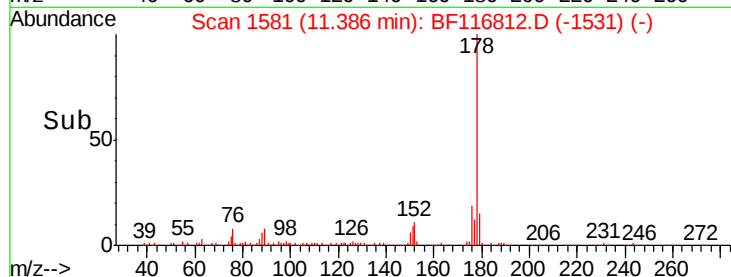
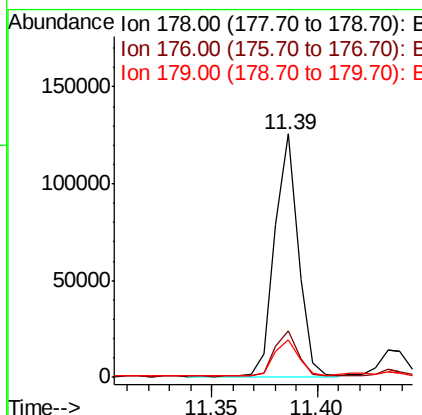
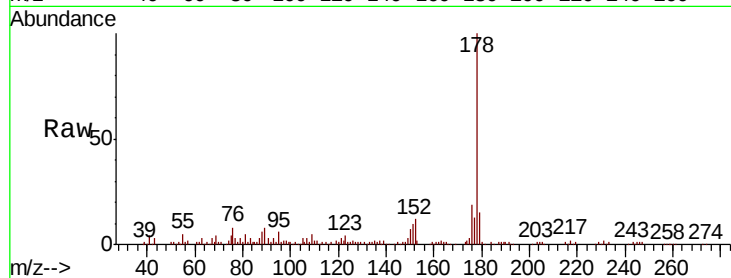




#71
Phenanthrene
Concen: 7.161 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

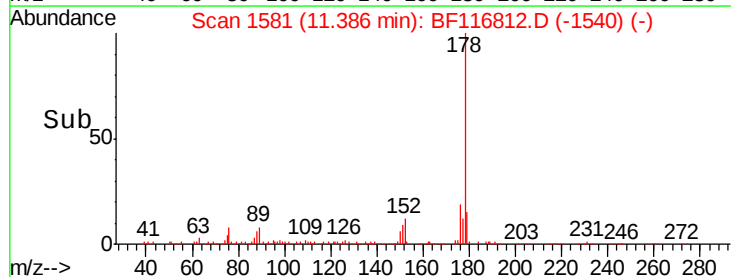
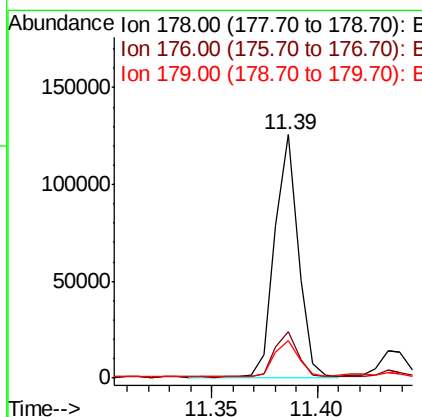
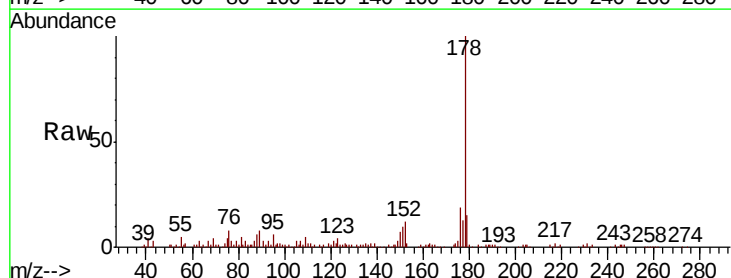
Instrument :
BNA_F
ClientSampleId :

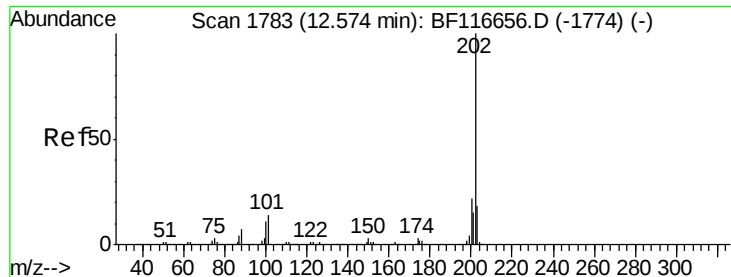
Tot Ion:178 Resp: 97121
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.3 12.2 18.2



#72
Anthracene
Concen: 7.113 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.06 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion:178 Resp: 97121
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.3 12.5 18.7





#75

Fluoranthene

Concen: 18.070 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

Instrument :

BNA_F

ClientSampleId :

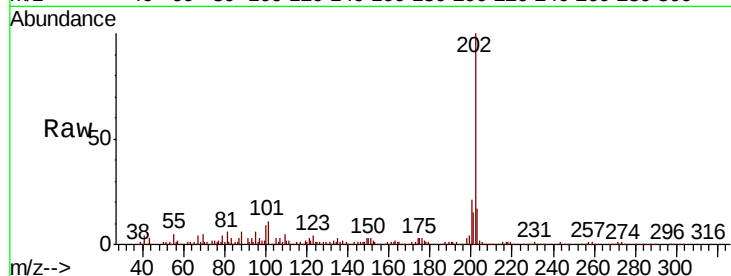
Tot Ion:202 Resp: 240862

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

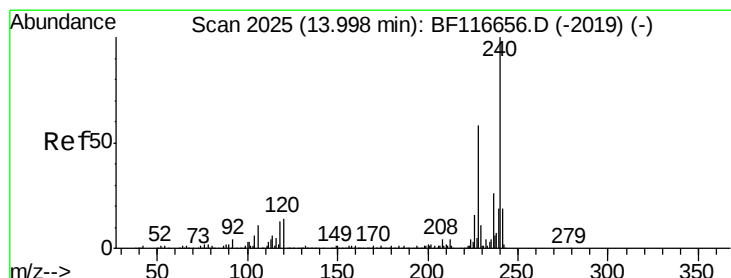
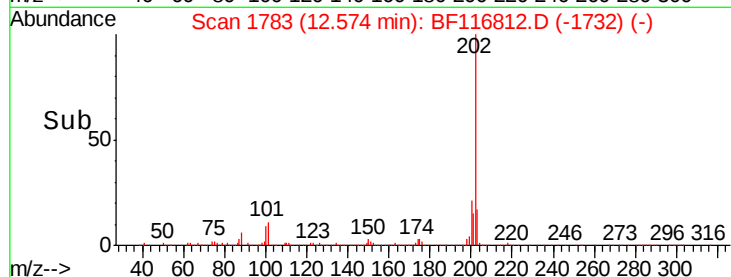
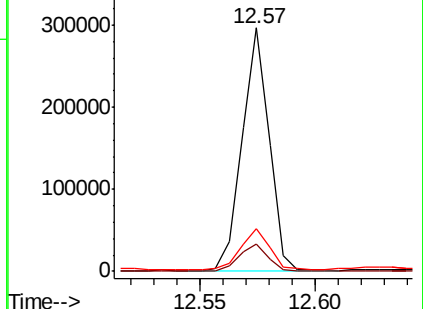
203 17.4 0.0 37.6



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# 2025

Delta R.T. 0.00 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

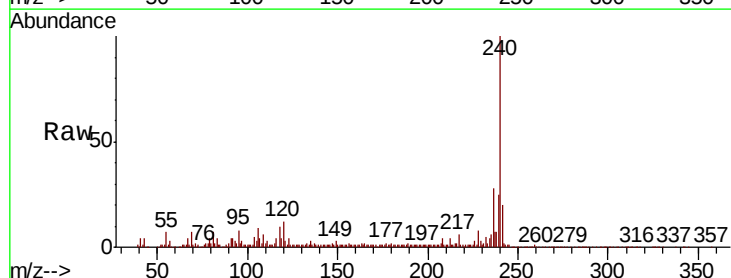
Tgt Ion:240 Resp: 167440

Ion Ratio Lower Upper

240 100

120 11.8 9.1 13.7

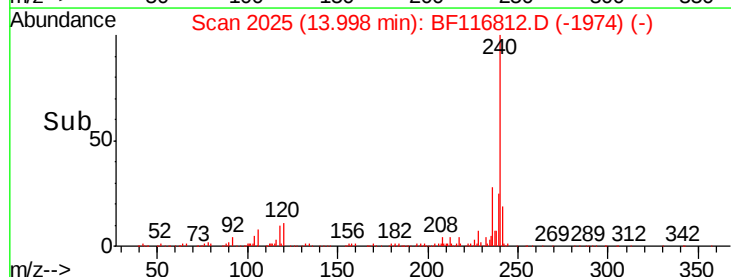
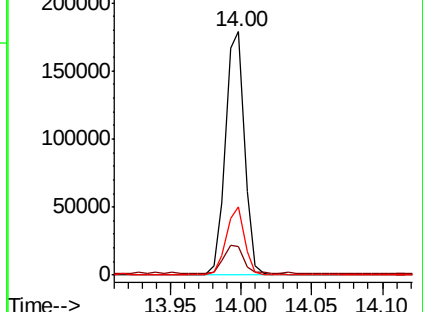
236 28.3 21.1 31.7

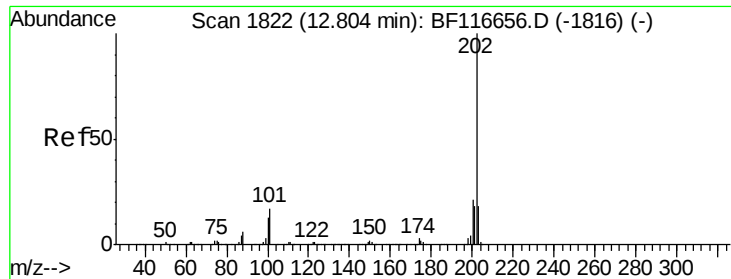


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.429 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

Instrument :

BNA_F

ClientSampleId :

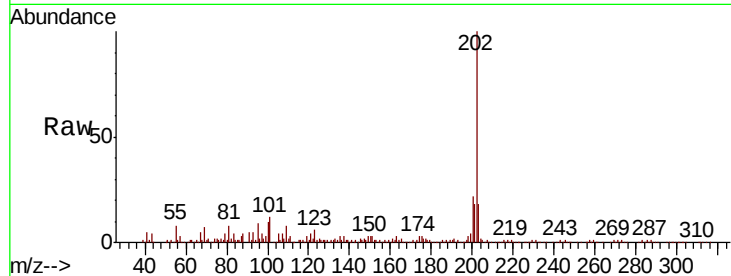
Tot Ion:202 Resp: 199878

Ion Ratio Lower Upper

202 100

200 21.5 16.5 24.7

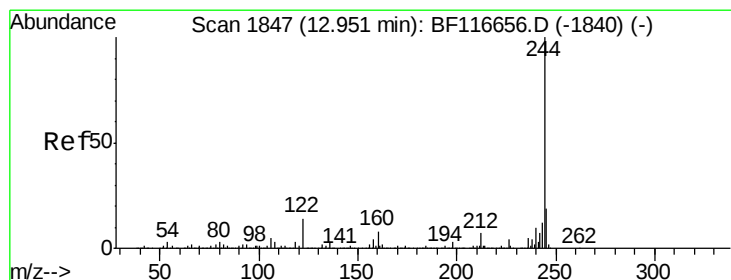
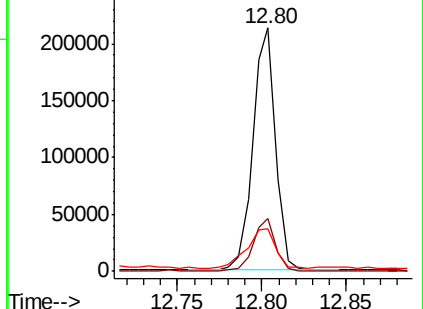
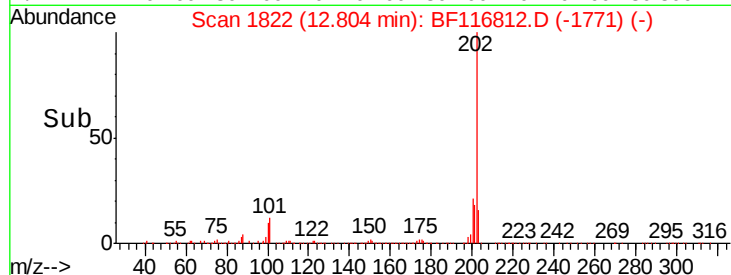
203 17.6 13.7 20.5



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: 53.353 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

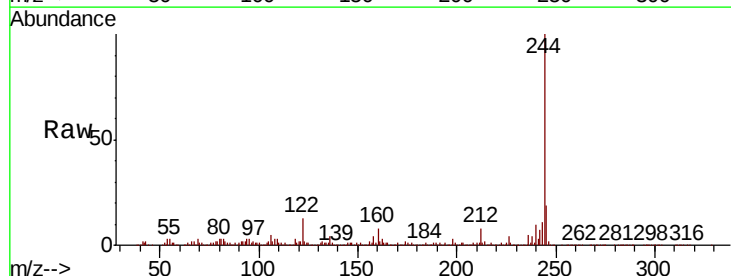
Tgt Ion:244 Resp: 482900

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

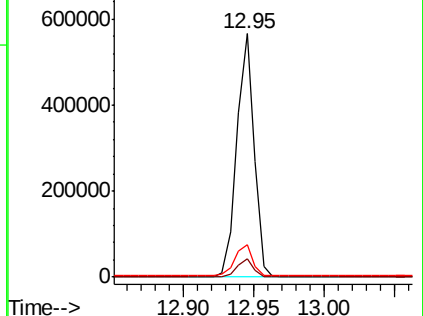
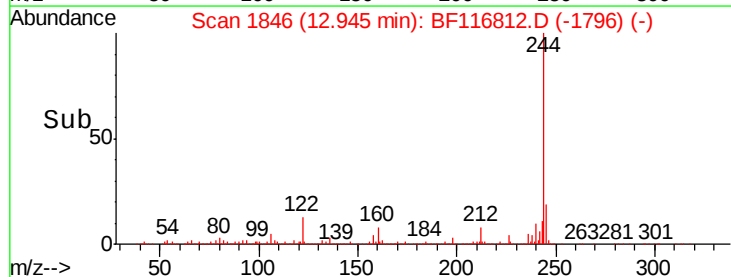
122 13.4 10.2 15.4

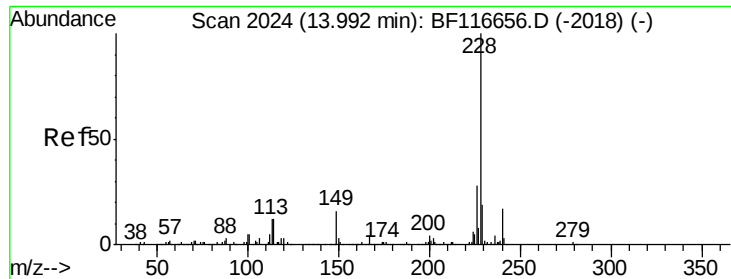


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

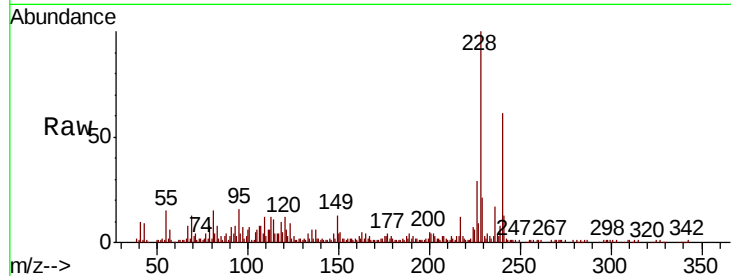




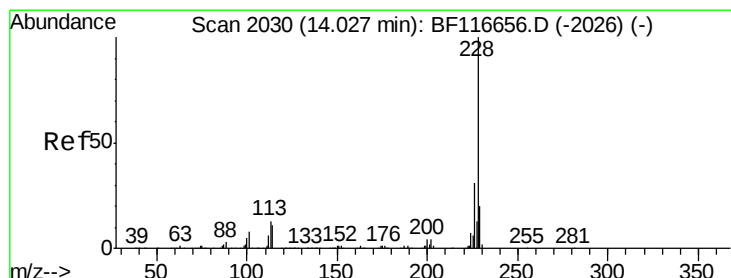
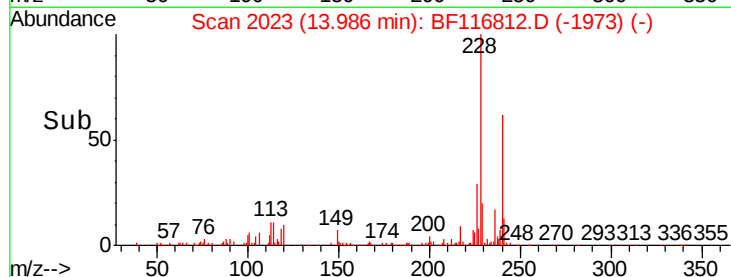
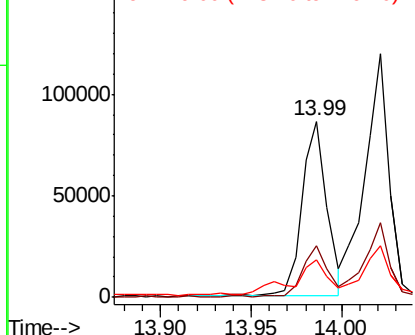
#81
Benzo(a)anthracene
Concen: 7.929 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.0	33.0
229	21.2	16.4	24.6

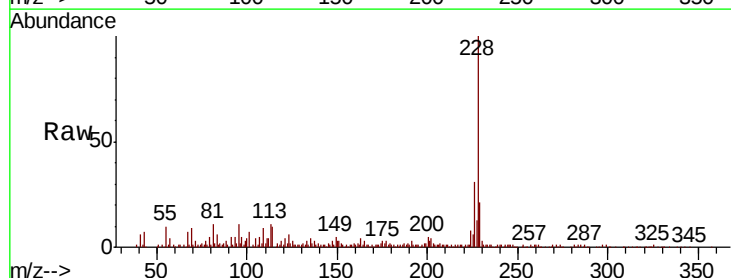


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

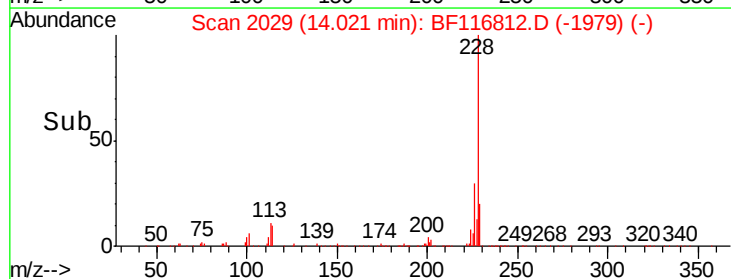
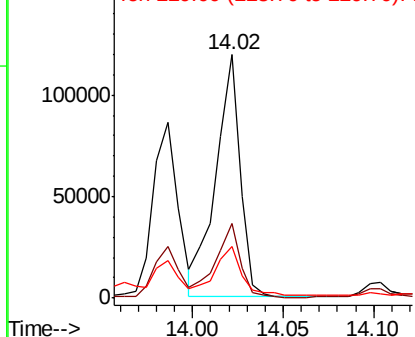


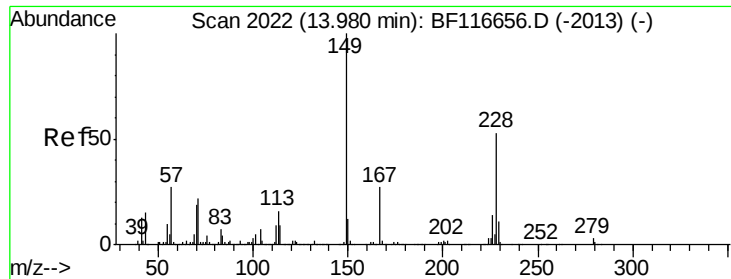
#83
Chrysene
Concen: 10.297 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	21.2	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: 3.495 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

Instrument :

BNA_F

ClientSampleId :

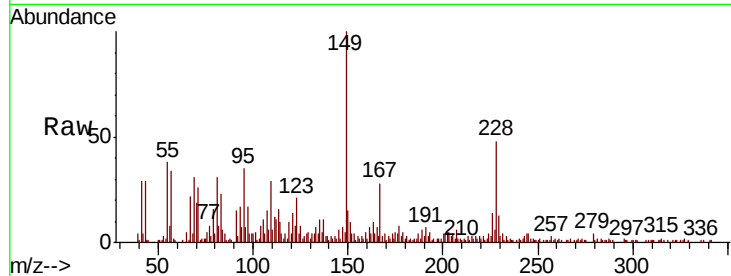
Tot Ion:149 Resp: 31227

Ion Ratio Lower Upper

149 100

167 27.9 21.0 31.4

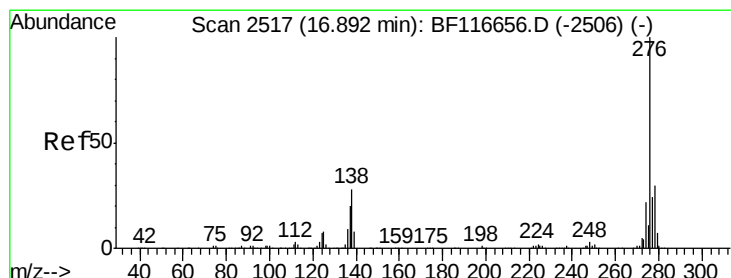
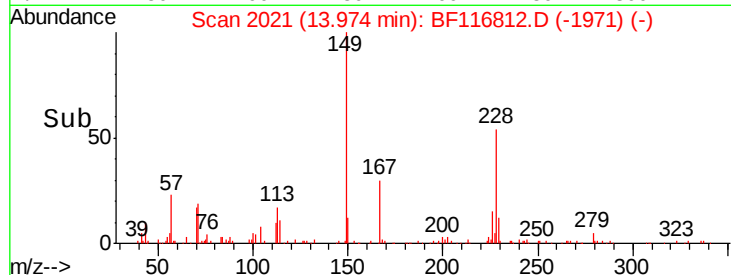
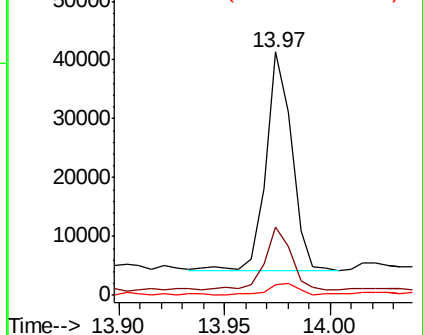
279 4.2 2.8 4.2#



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: 6.656 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116812.D

Acq: 4 Sep 2019 13:44

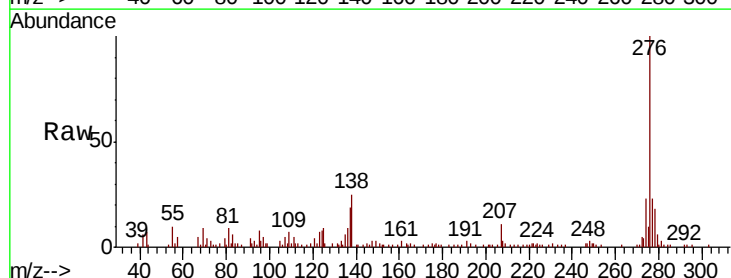
Tgt Ion:276 Resp: 58369

Ion Ratio Lower Upper

276 100

138 24.7 19.4 29.2

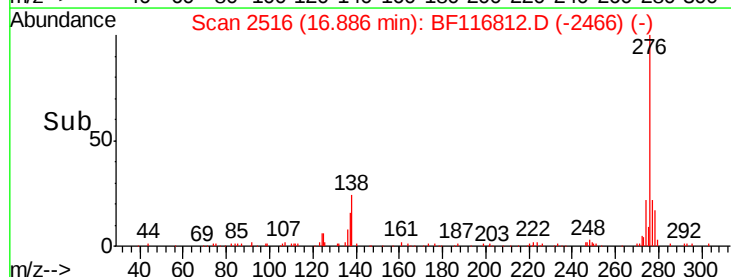
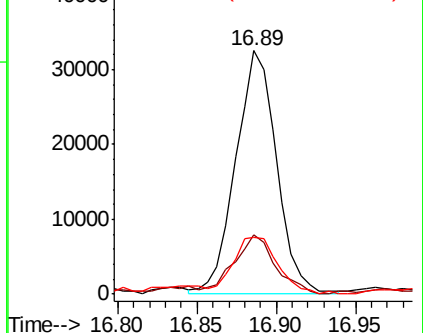
277 25.7 20.5 30.7

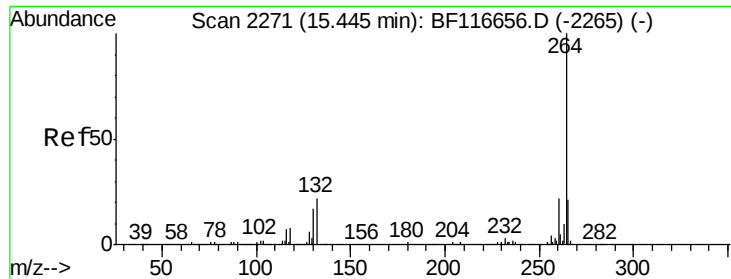


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



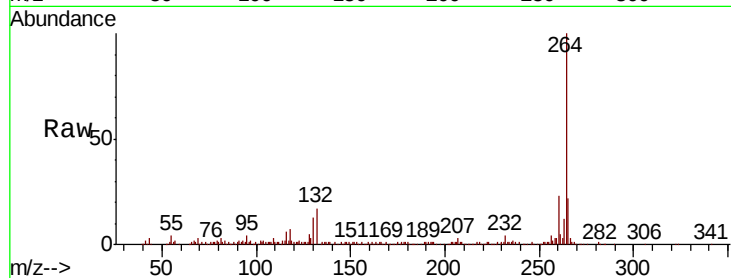


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

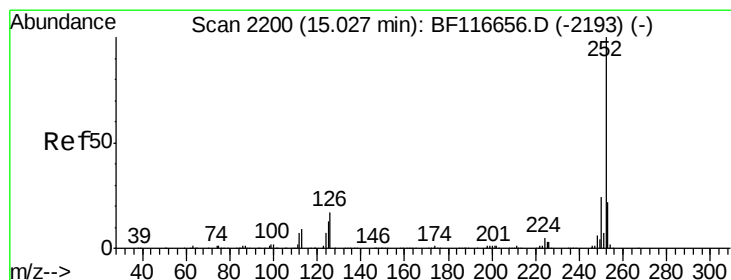
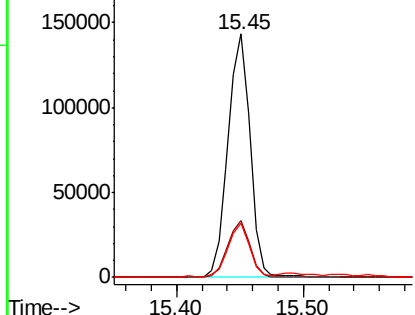
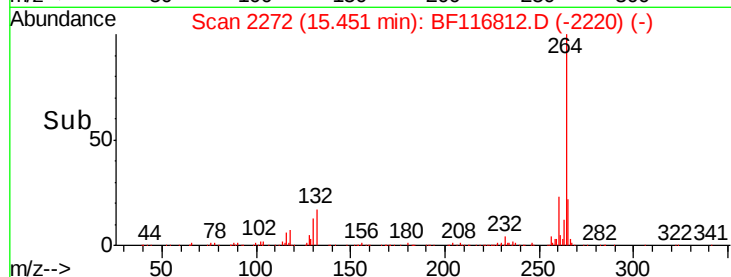
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 173198

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	22.5	16.5	24.7



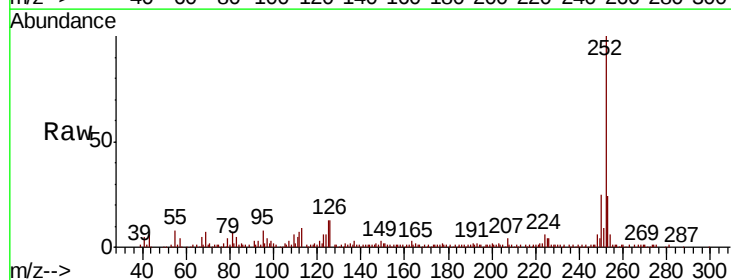
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



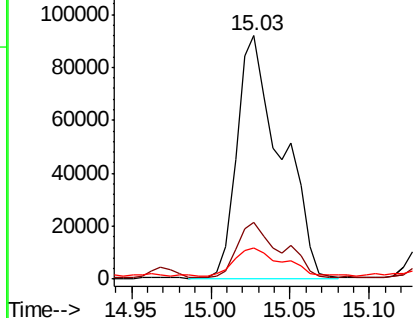
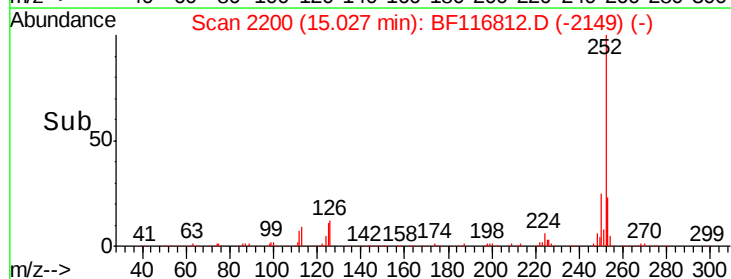
#88
Benzo(b)fluoranthene
Concen: 16.776 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

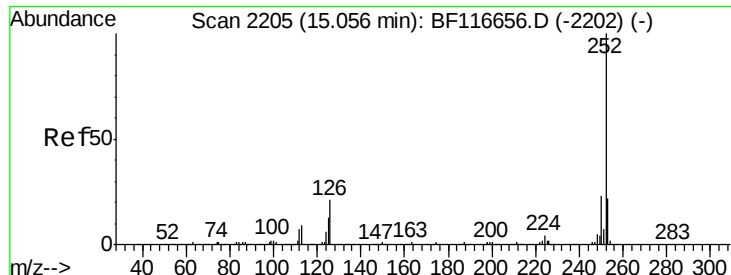
Tgt Ion:252 Resp: 175665

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	12.8	8.2	12.2#



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

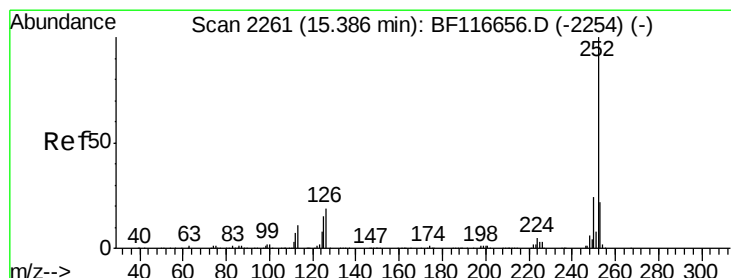
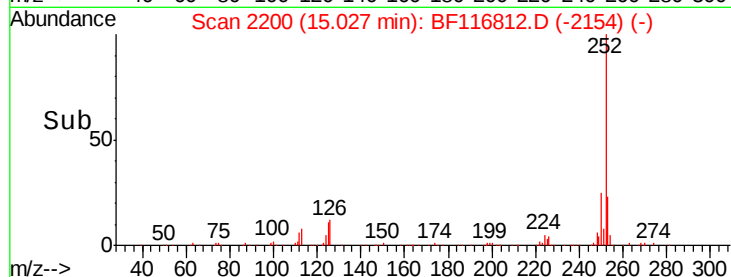
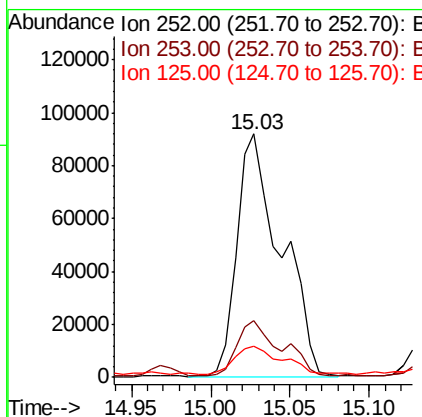
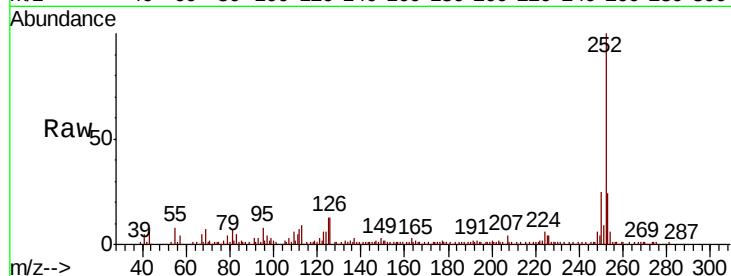




#89
Benzo(k)fluoranthene
Concen: 18.399 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

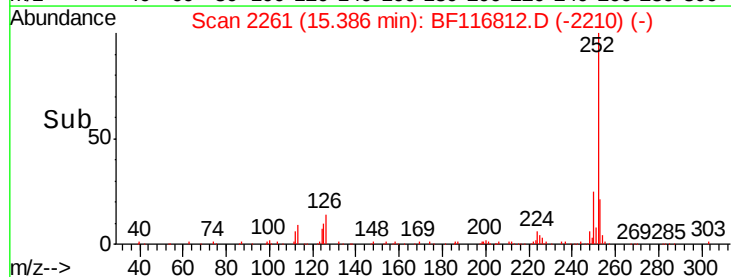
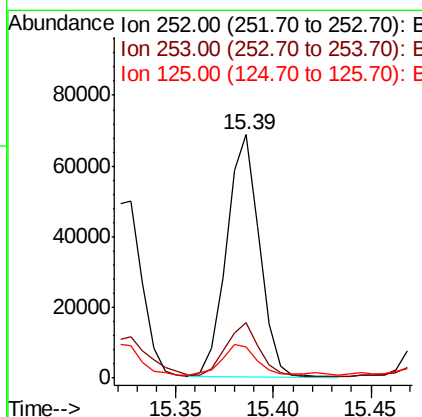
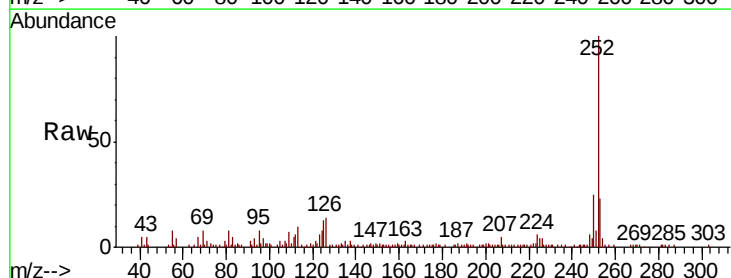
Instrument :
BNA_F
ClientSampleId :

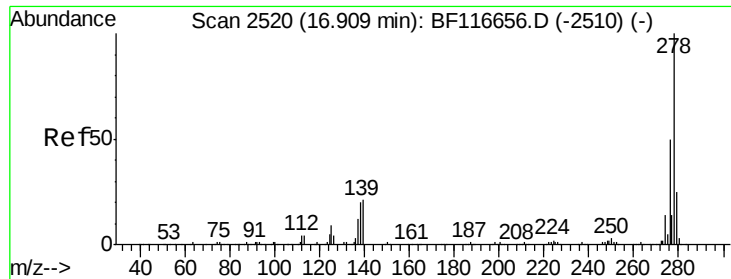
Tot Ion:252 Resp: 175665
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 12.8 8.6 13.0



#90
Benzo(a)pyrene
Concen: 8.786 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion:252 Resp: 80044
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 12.7 9.8 14.8

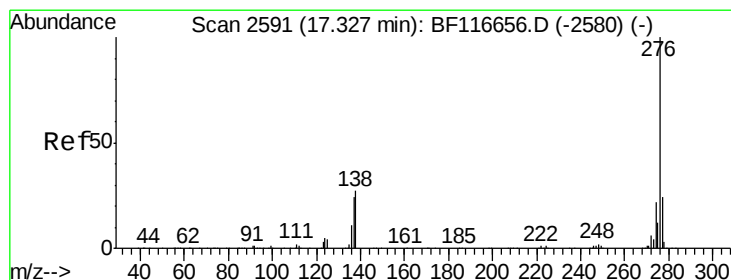
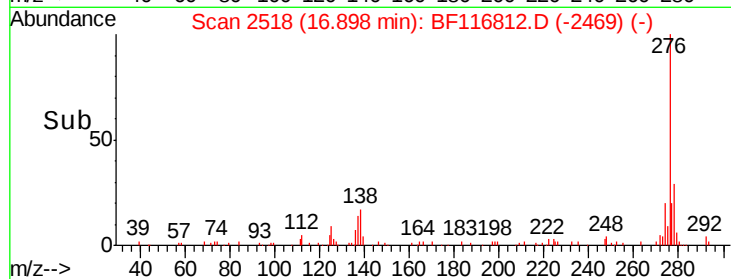
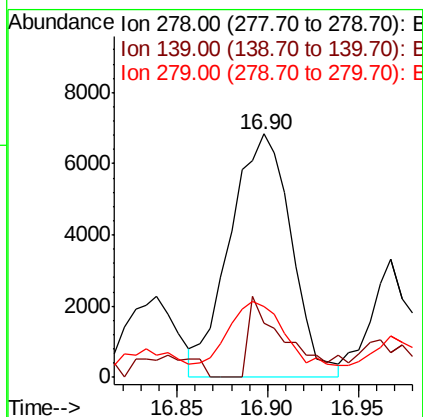
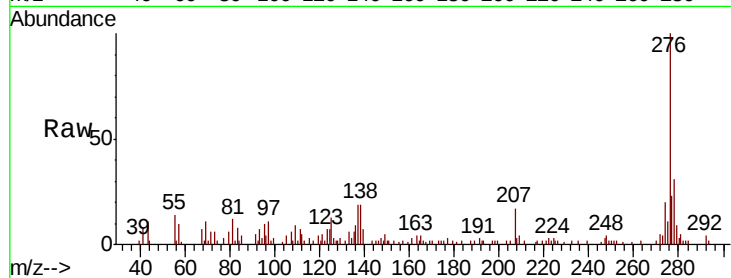




#91
Dibenzo(a,h)anthracene
Concen: 2.019 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 16101
Ion Ratio Lower Upper
278 100
139 22.5 12.4 18.6#
279 28.9 18.2 27.4#



#92
Benzo(g,h,i)perylene
Concen: 6.480 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF116812.D
Acq: 4 Sep 2019 13:44

Tgt Ion:276 Resp: 52697
Ion Ratio Lower Upper
276 100
277 25.6 18.5 27.7
138 23.1 16.2 24.2

