

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116850.D
 Acq On : 5 Sep 2019 20:41
 Operator : HP/JU
 Sample : K4692-08 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

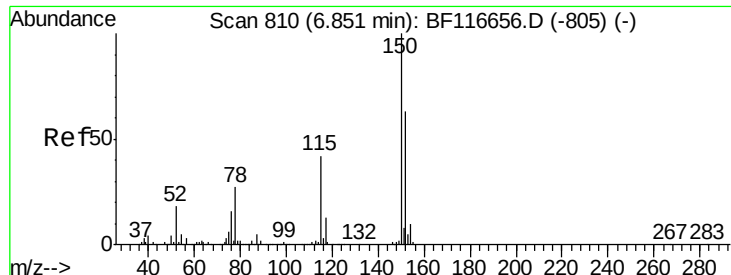
Quant Time: Sep 06 03:57:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	71519	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	296448	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	144767	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	205035	20.00	ng	0.00
76) Chrysene-d12	14.01	240	147306	20.00	ng	0.01
87) Perylene-d12	15.47	264	112283	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	147248	33.35	ng	0.00
7) Phenol-d6	6.47	99	275731	47.57	ng	0.00
23) Nitrobenzene-d5	7.40	82	164460	31.67	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	65256	67.43	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	404089	47.09	ng	-0.01
79) Terphenyl-d14	12.94	244	356084	44.72	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	21081	5.523	ng	# 71
25) Isophorone	7.40	82	164457	15.629	ng	# 66
31) Naphthalene	8.15	128	80345	5.700	ng	98
37) 2-Methylnaphthalene	8.84	142	31011	3.306	ng	97
38) 1-Methylnaphthalene	8.94	142	25238	2.851	ng	98
49) Acenaphthylene	9.74	152	32645	2.482	ng	99
50) Dimethylphthalate	9.59	163	56137	5.617	ng	97
52) Acenaphthene	9.92	154	89439	11.068	ng	99
55) Dibenzofuran	10.09	168	88734	7.789	ng	99
56) 4-Nitrophenol	10.09	139	36120	22.043	ng	# 3
58) Fluorene	10.43	166	101323	11.673	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	4461	2.142	ng	# 1
71) Phenanthrene	11.40	178	1130646	99.062	ng	98
72) Anthracene	11.45	178	351800	30.620	ng	98
73) Carbazole	11.59	167	88843	8.118	ng	99
75) Fluoranthene	12.59	202	1513405	134.924	ng	98
78) Pyrene	12.82	202	1433677	109.487	ng	98
81) Benzo(a)anthracene	14.00	228	765630	82.123	ng	98
83) Chrysene	14.04	228	598831	62.346	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	219003	28.387	ng	98
88) Benzo(b)fluoranthene	15.05	252	816186	120.231	ng	# 98
89) Benzo(k)fluoranthene	15.05	252	816186	131.865	ng	99
90) Benzo(a)pyrene	15.41	252	414715	70.219	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	52513	10.158	ng	# 79
92) Benzo(g,h,i)perylene	17.37	276	205702	39.015	ng	95

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

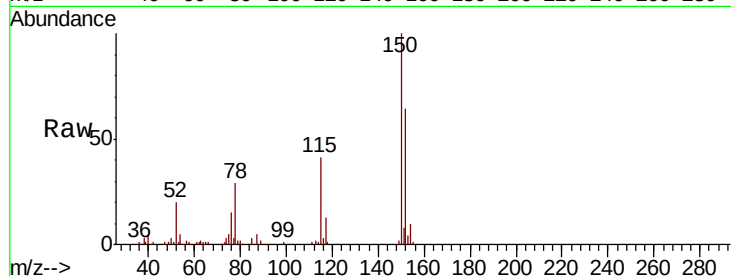


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.4	186.6
115	64.3	49.9	74.9

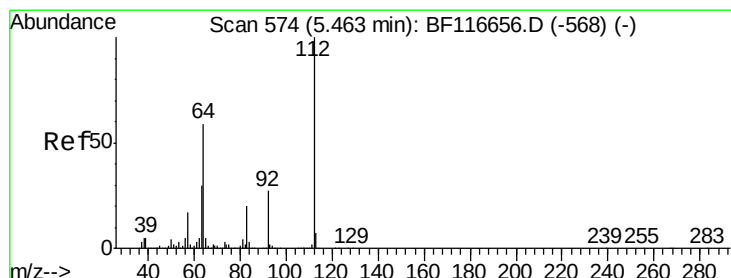
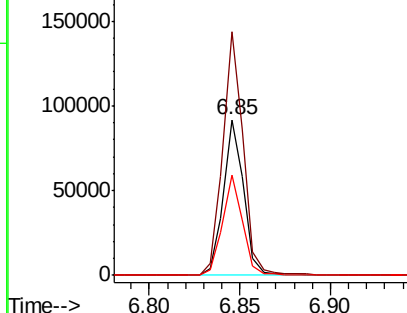
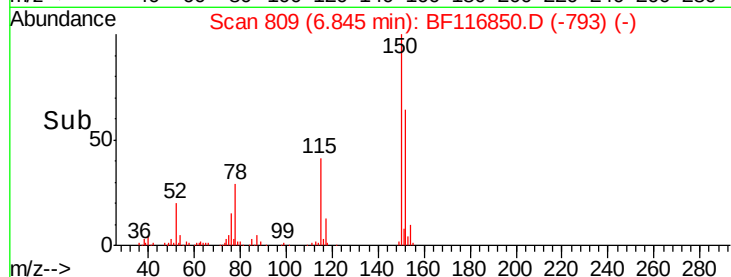


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

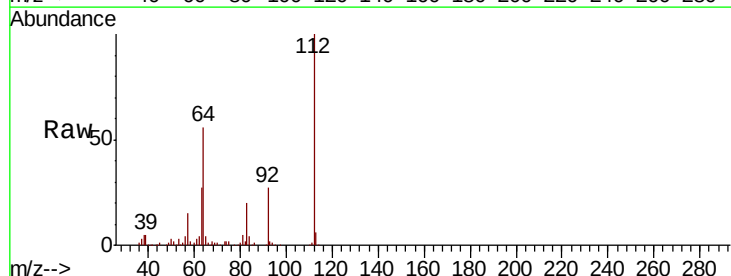
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 33.355 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.1	70.7
63	27.4	24.9	37.3

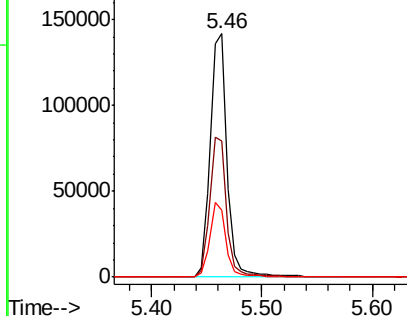
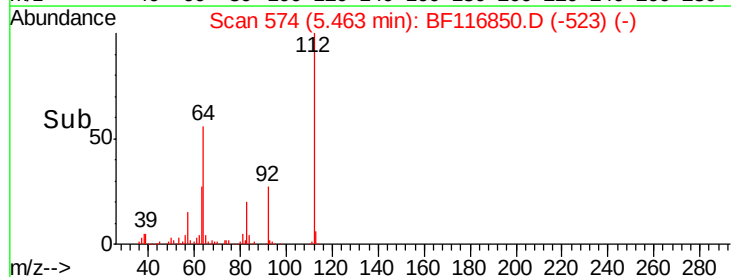


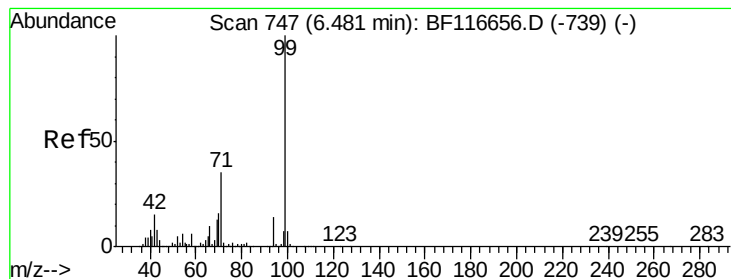
Abundance

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: 47.566 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampleId :

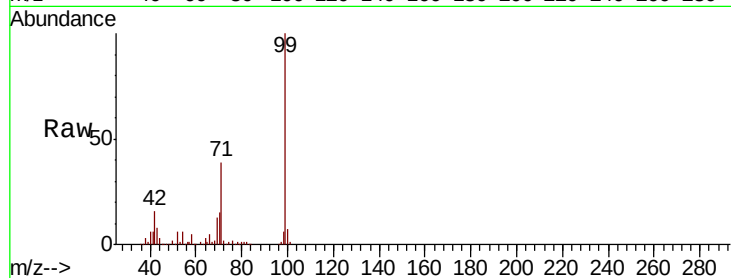
Tot Ion: 99 Resp: 275731

Ion Ratio Lower Upper

99 100

42 15.6 13.7 20.5

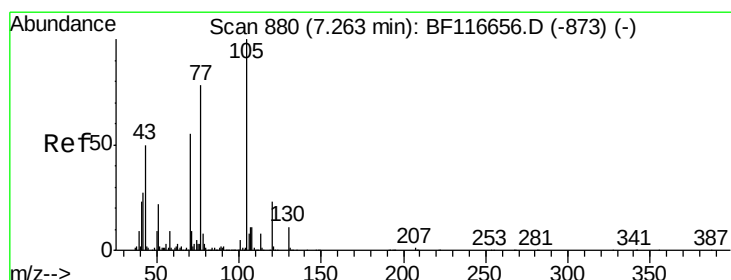
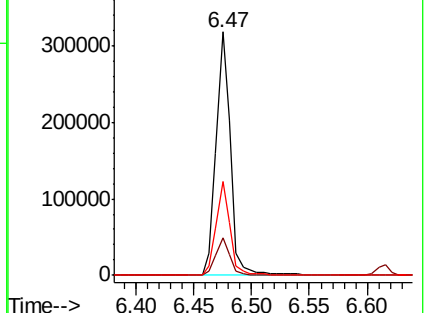
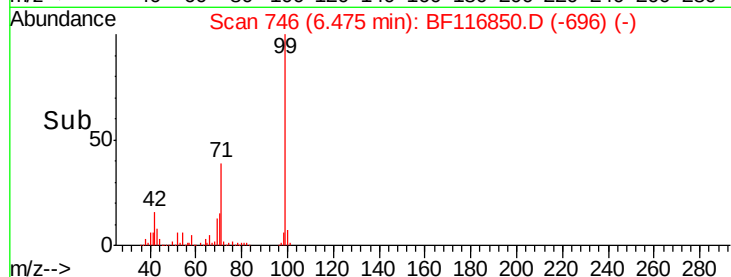
71 38.5 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.523 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Tgt Ion: 70 Resp: 21081

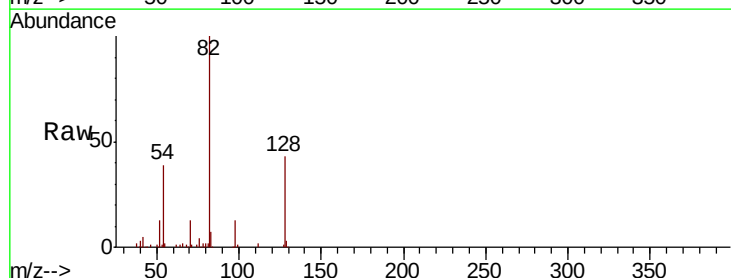
Ion Ratio Lower Upper

70 100

42 36.1 43.5 65.3#

101 0.0 7.8 11.6#

130 2.2 16.6 24.8#

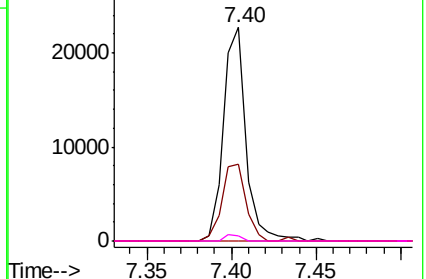
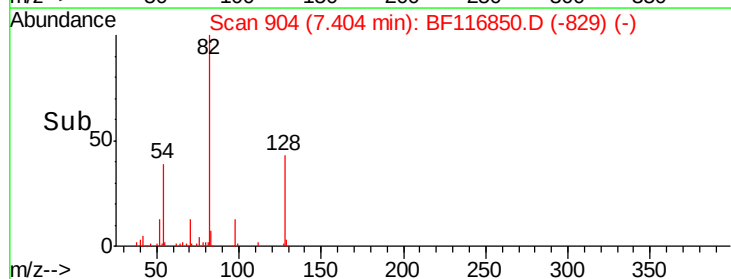


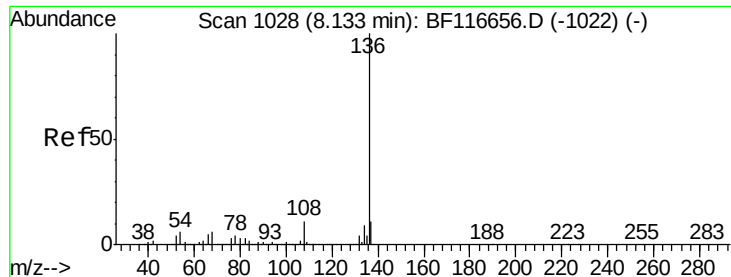
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

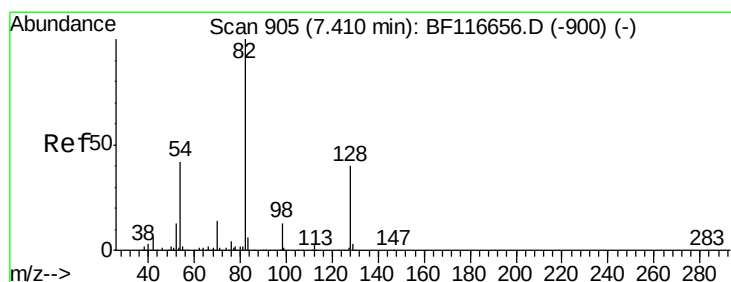
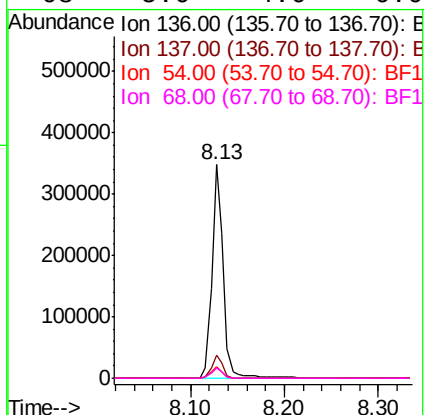
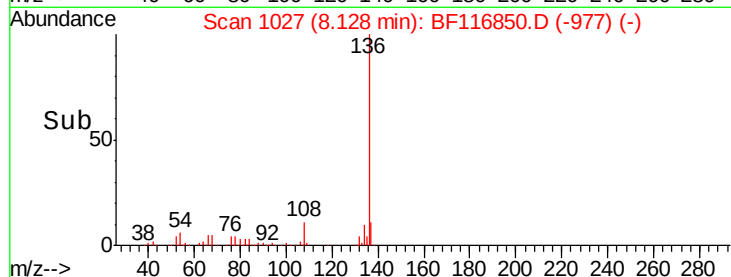
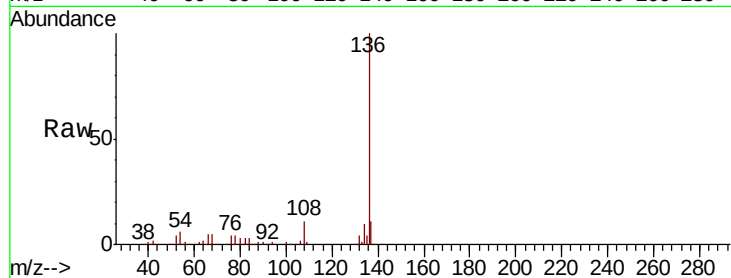




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

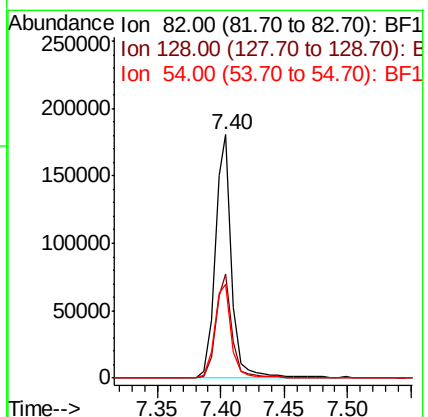
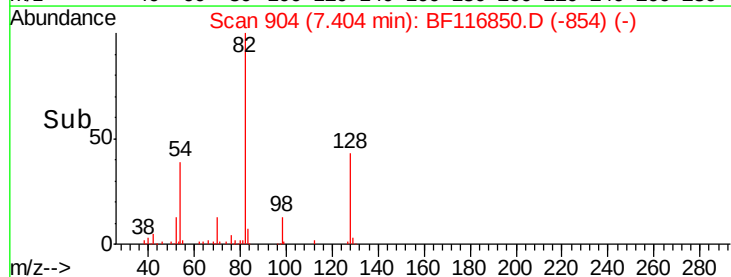
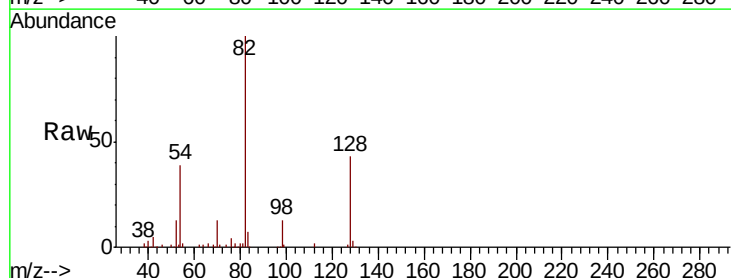
Instrument :
BNA_F
ClientSampleId :

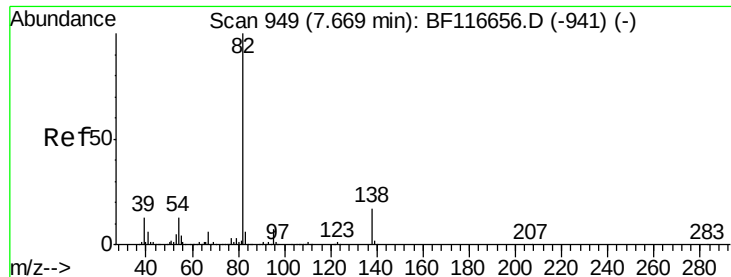
Tot Ion:136	Resp:	296448	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.9	13.3	
54 5.7	4.8	7.2	
68 5.0	4.0	6.0	



#23
Nitrobenzene-d5
Concen: 31.670 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion: 82	Resp: 164460
Ion Ratio	Lower Upper
82 100	
128 42.5	32.8 49.2
54 38.8	36.9 55.3





#25

Isophorone

Concen: 15.629 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampled :

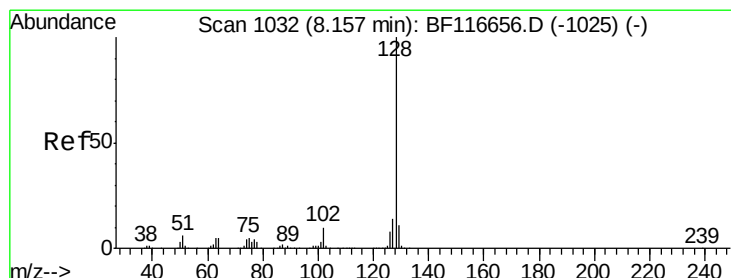
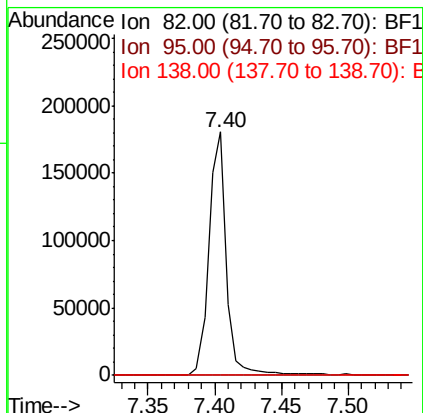
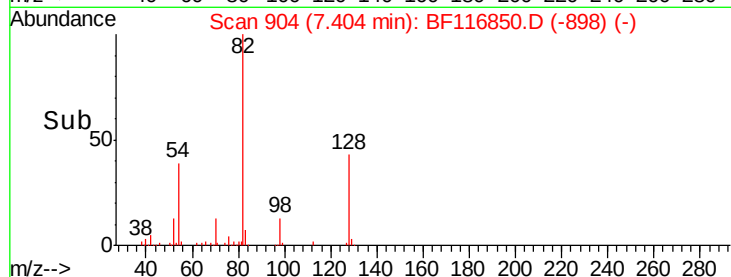
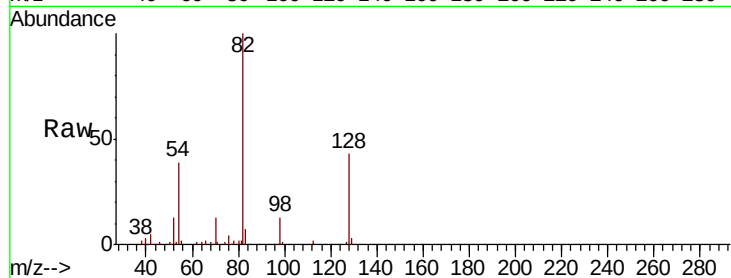
Tot Ion: 82 Resp: 164457

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#31

Naphthalene

Concen: 5.700 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

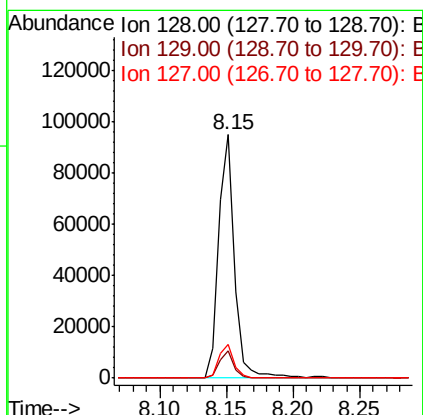
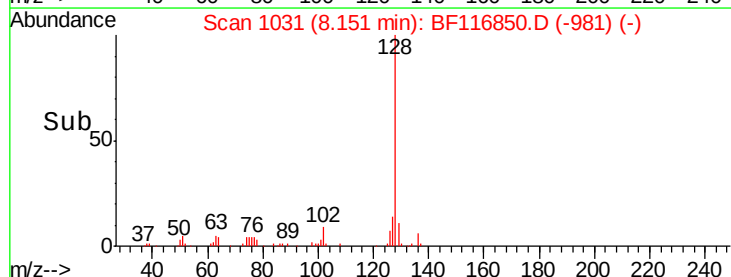
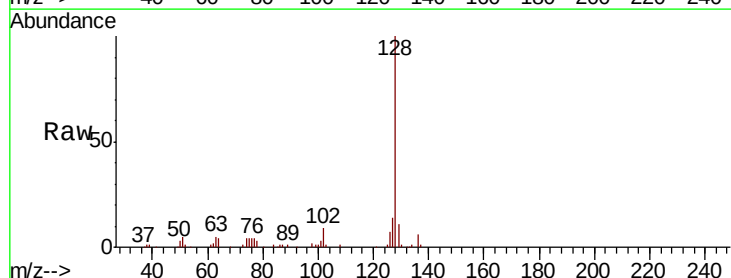
Tgt Ion: 128 Resp: 80345

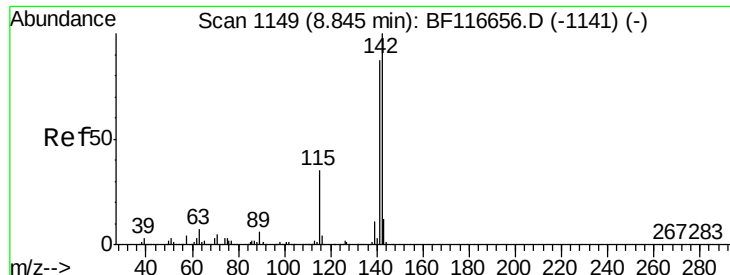
Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 14.0 10.4 15.6

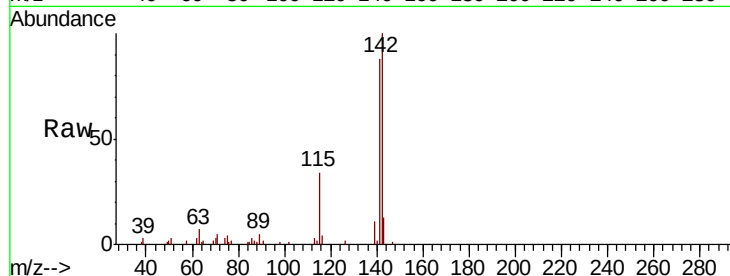




#37
2-Methylnaphthalene
Concen: 3.306 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.6	109.0
115	34.5	29.8	44.6

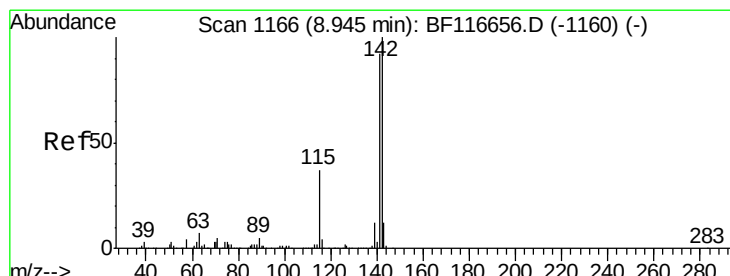
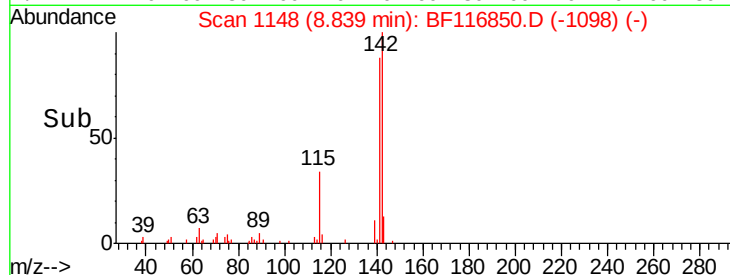
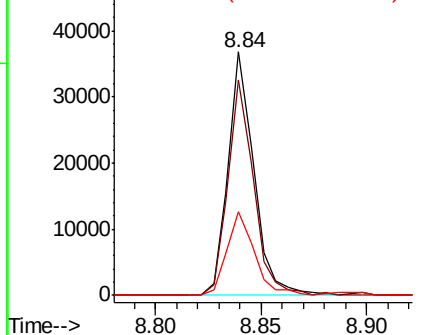


Abundance

Ion 142.00 (141.70 to 142.70): E

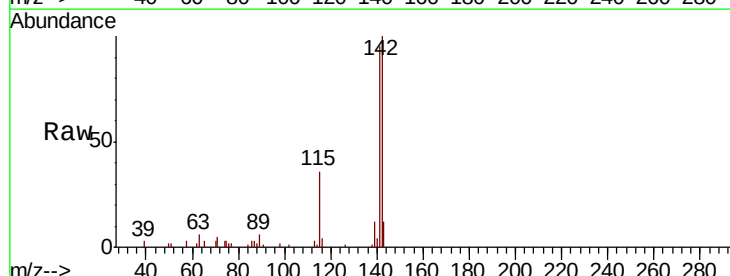
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 2.851 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.6	73.9	110.9
116	3.8	3.0	4.6

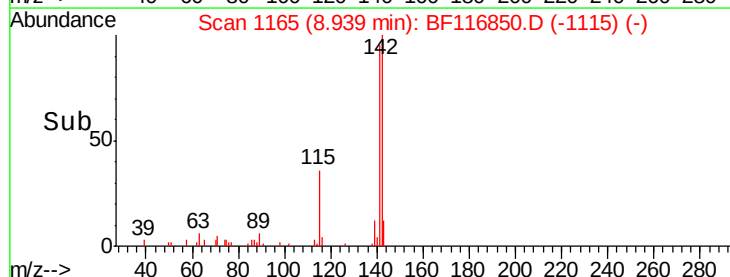
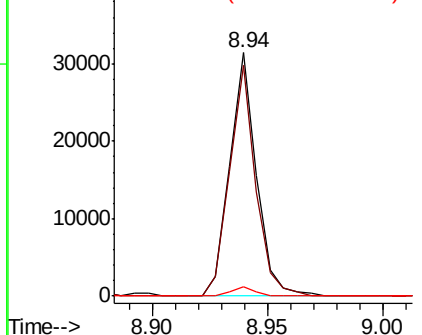


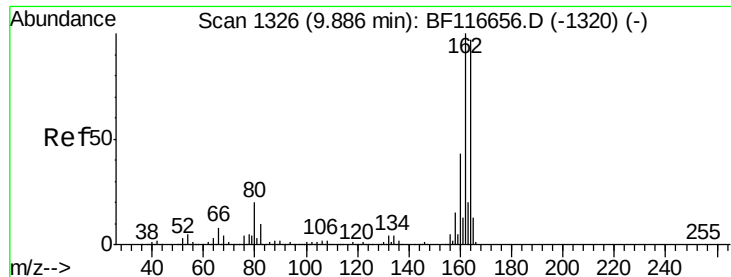
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

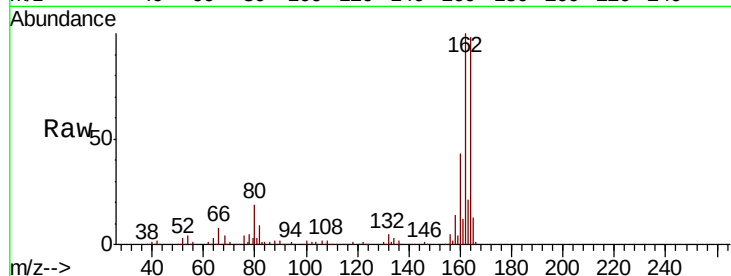




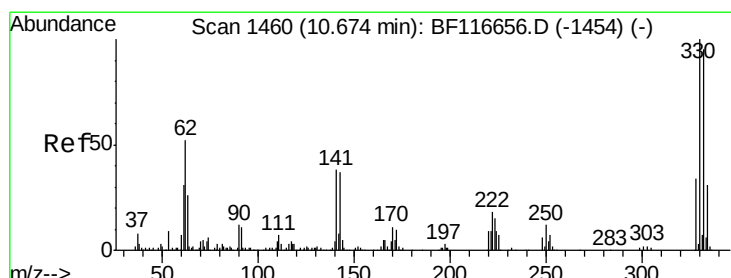
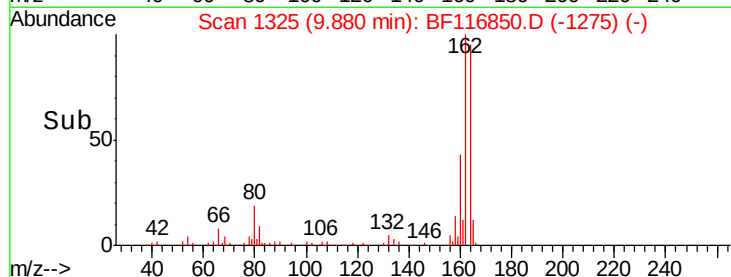
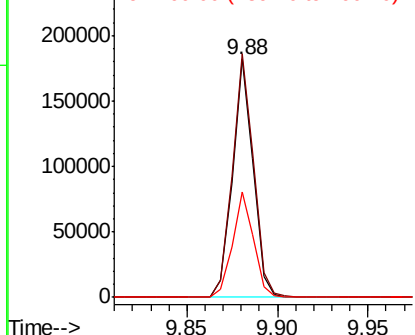
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.4	122.0
160	44.3	35.4	53.2

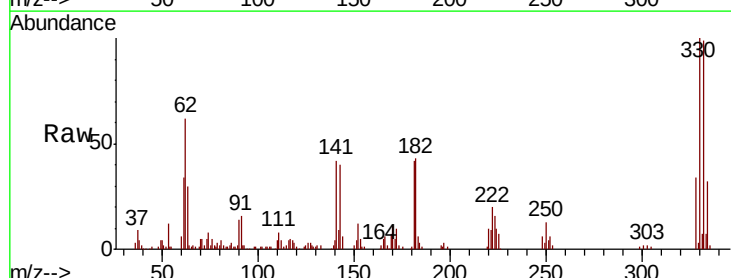


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

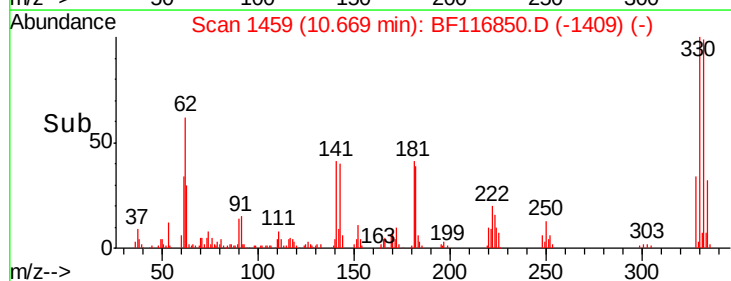
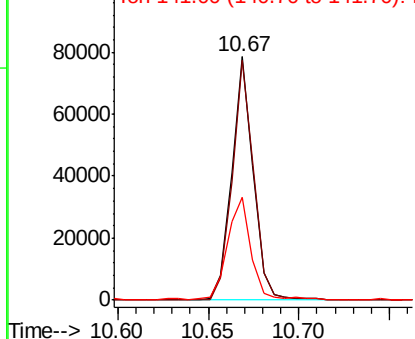


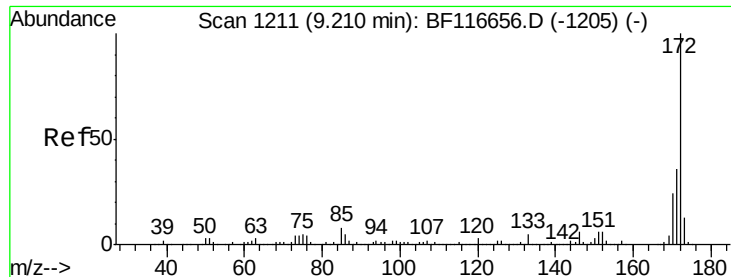
#42
2,4,6-Tribromophenol
Concen: 67.427 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.9	115.3
141	46.2	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

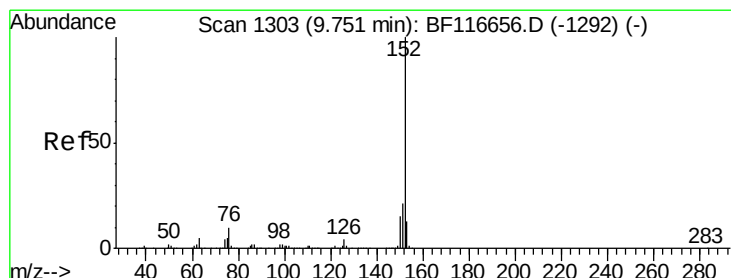
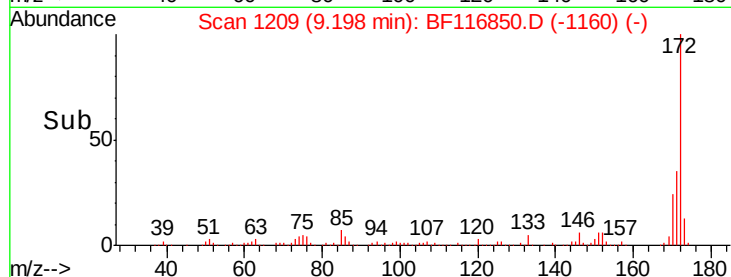
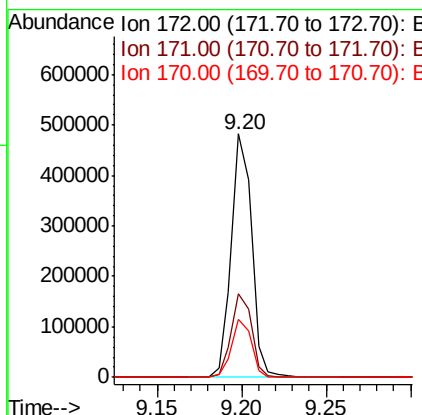
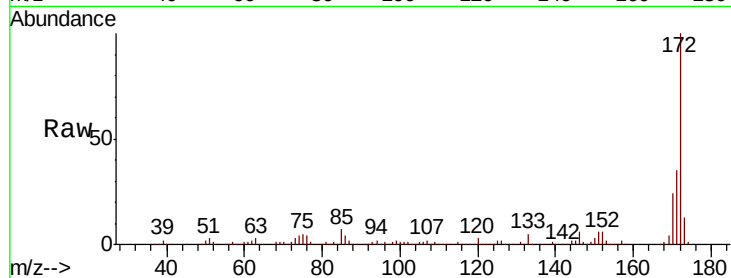




#45
2-Fluorobiphenyl
Concen: 47.086 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

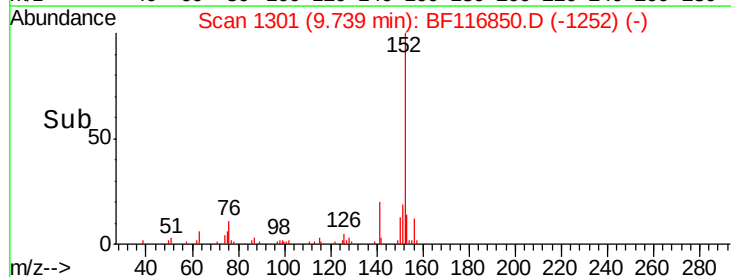
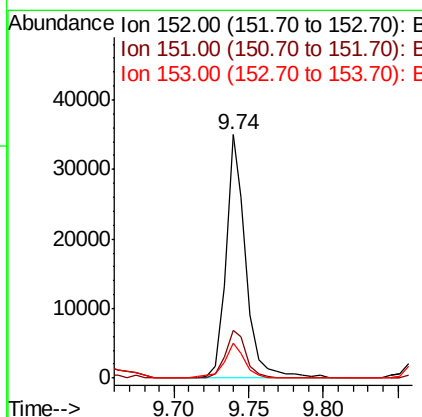
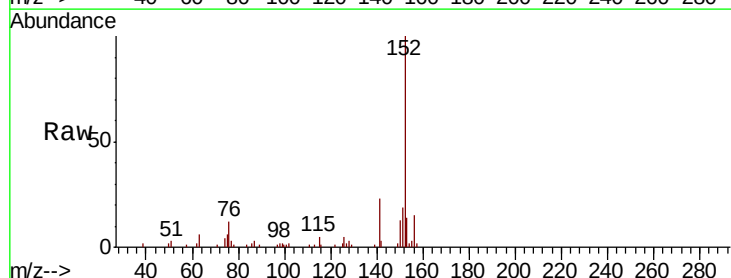
Instrument :
BNA_F
ClientSampleId :

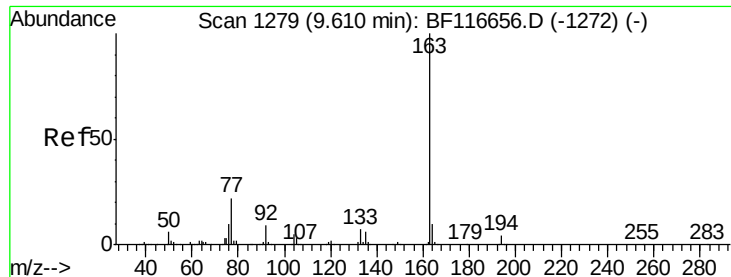
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.7	18.9	28.3



#49
Acenaphthylene
Concen: 2.482 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	14.5	10.9	16.3





#50

Dimethylphthalate

Concen: 5.617 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampleId :

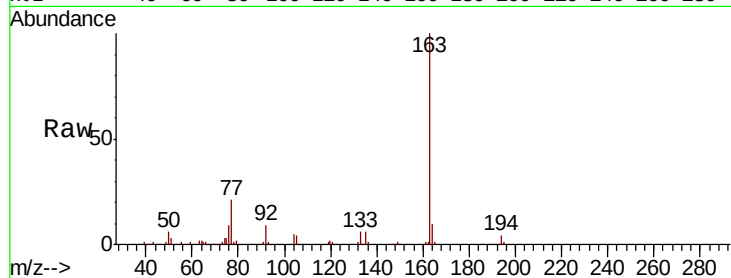
Tot Ion:163 Resp: 56137

Ion Ratio Lower Upper

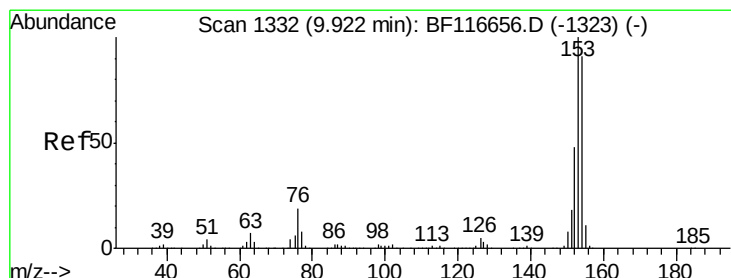
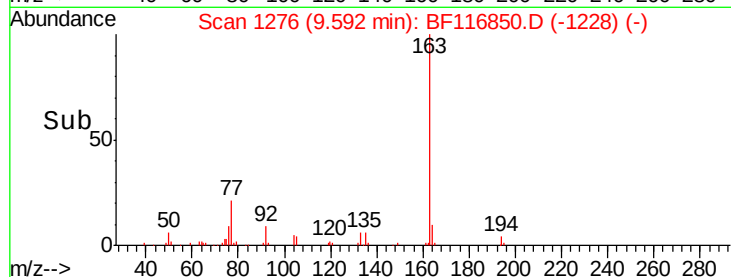
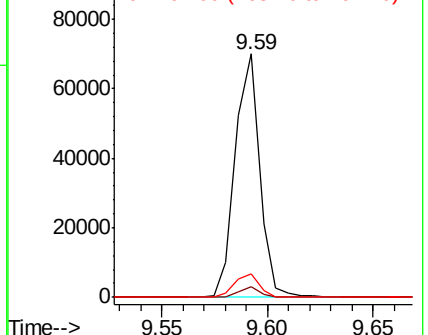
163 100

194 4.1 2.8 4.2

164 9.6 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



#52

Acenaphthene

Concen: 11.068 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

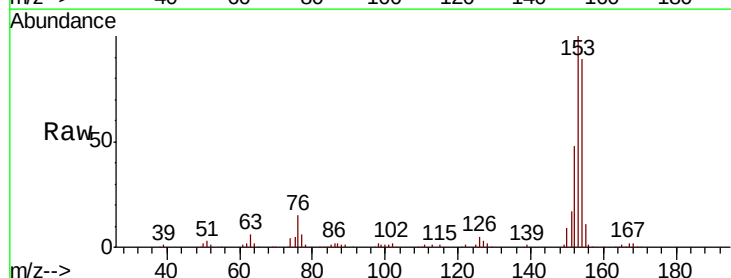
Tgt Ion:154 Resp: 89439

Ion Ratio Lower Upper

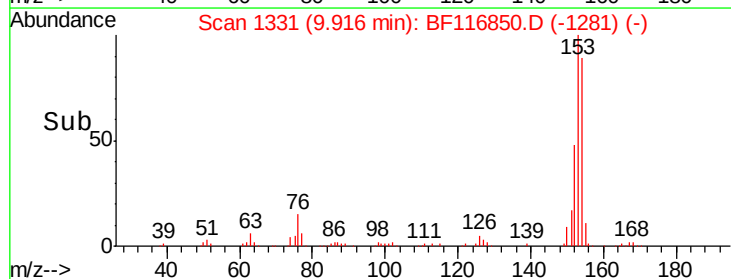
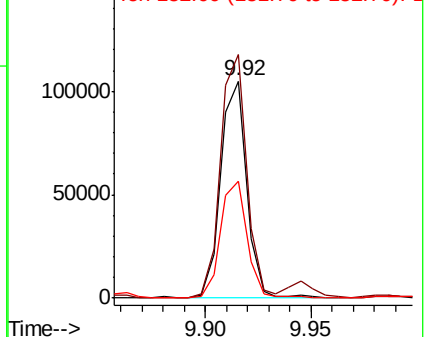
154 100

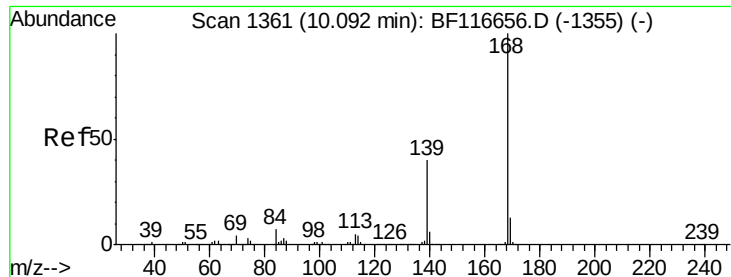
153 112.2 89.5 134.3

152 54.1 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 7.789 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampled :

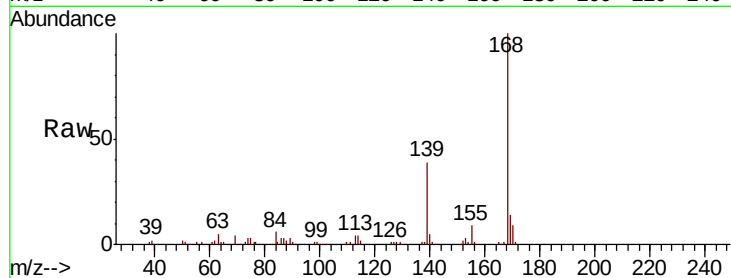
Tot Ion:168 Resp: 88734

Ion Ratio Lower Upper

168 100

139 39.1 31.5 47.3

169 14.1 10.3 15.5

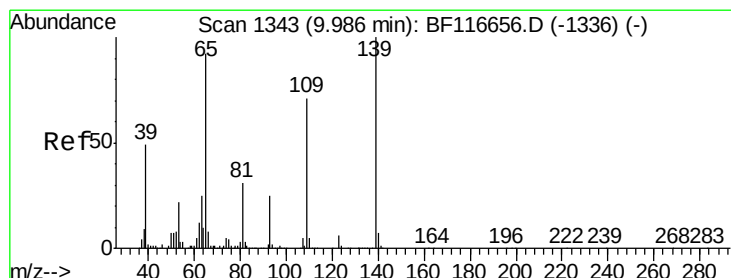
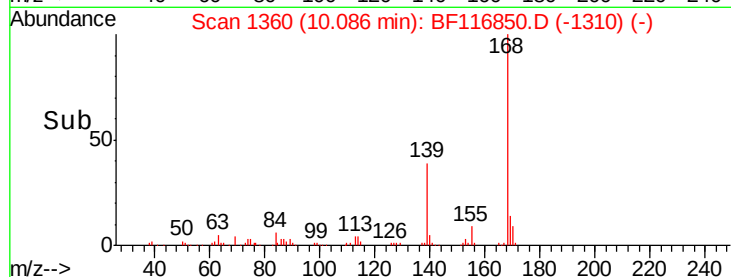
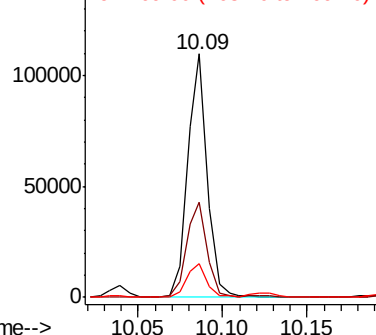


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 22.043 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.10 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

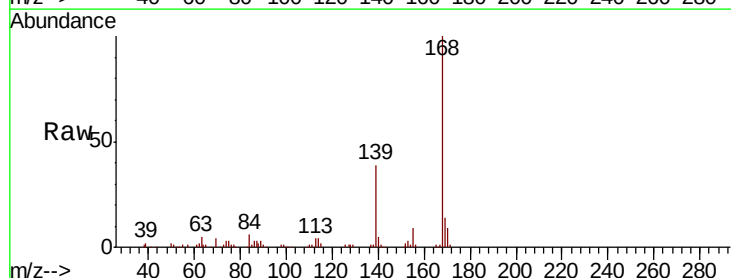
Tgt Ion:139 Resp: 36120

Ion Ratio Lower Upper

139 100

109 1.2 61.7 101.7#

65 1.9 89.1 129.1#

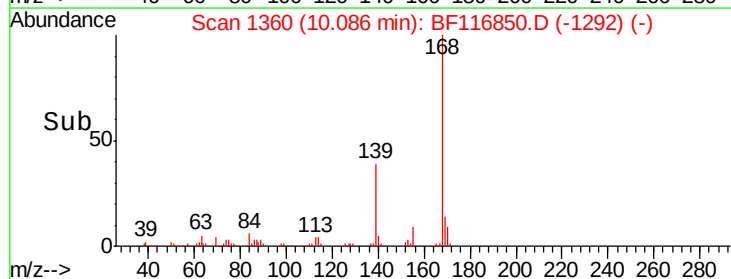
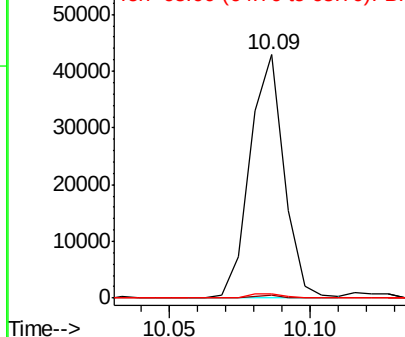


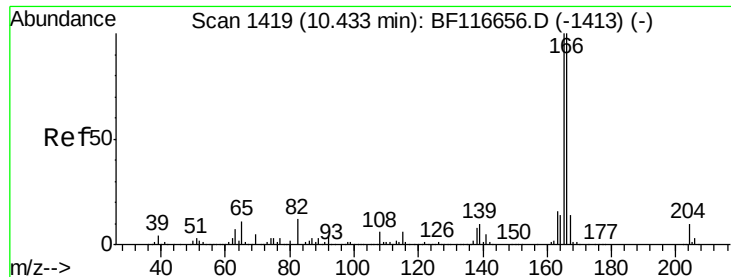
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

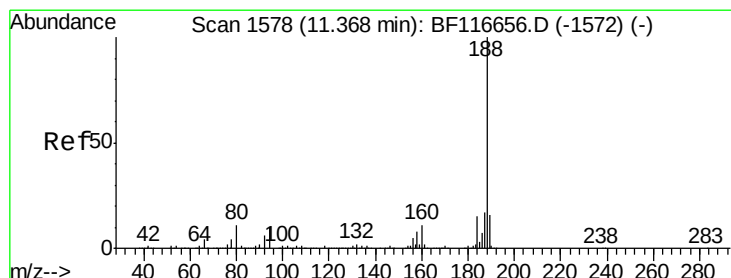
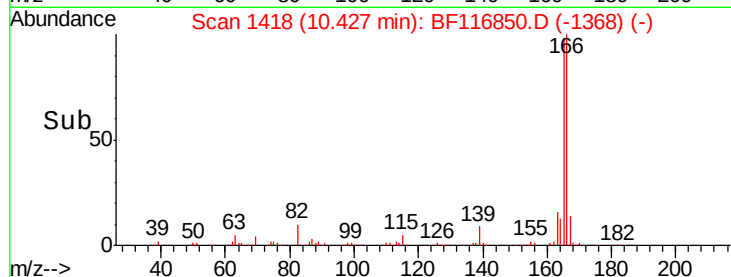
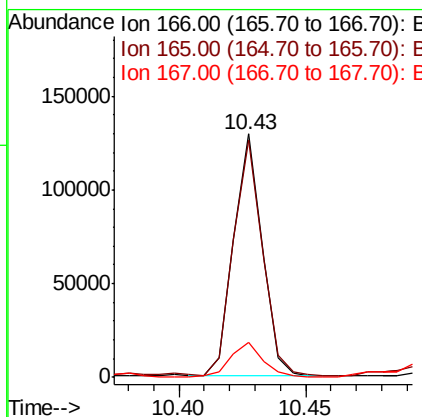
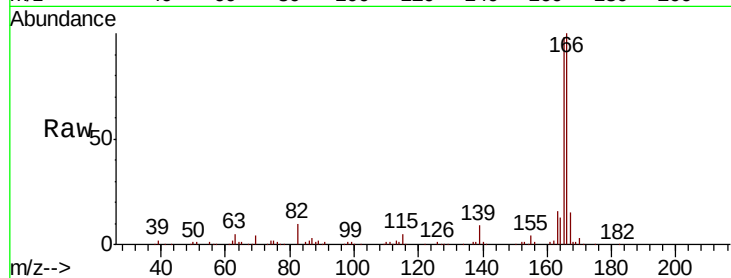




#58
 Fluorene
 Concen: 11.673 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116850.D
 Acq: 5 Sep 2019 20:41

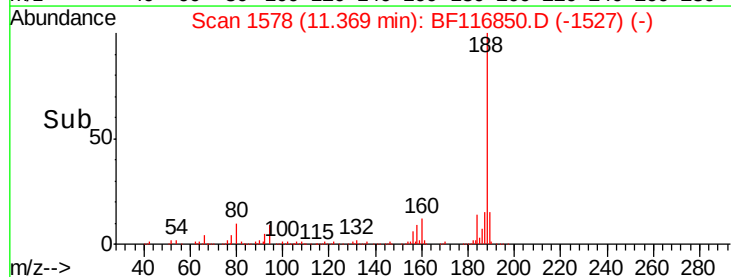
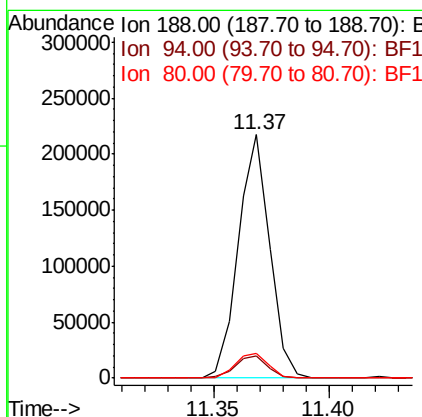
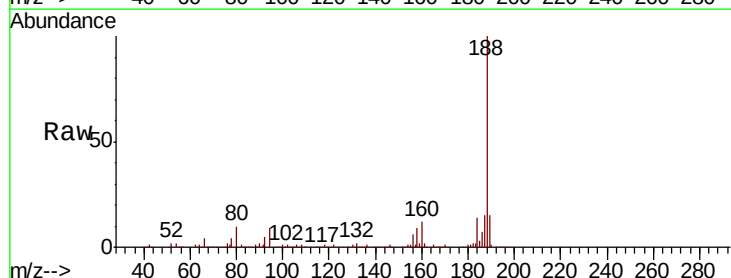
Instrument :
 BNA_F
 ClientSampleId :

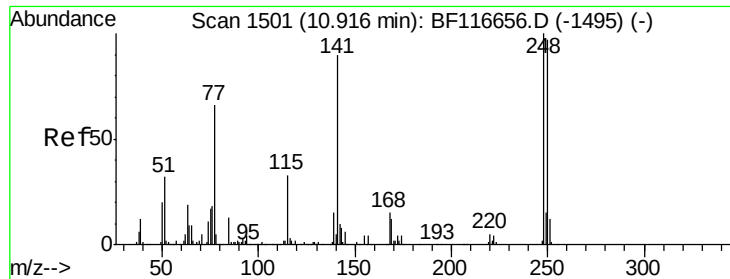
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.8	118.2
167	14.6	10.0	15.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF116850.D
 Acq: 5 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	10.4	8.4	12.6

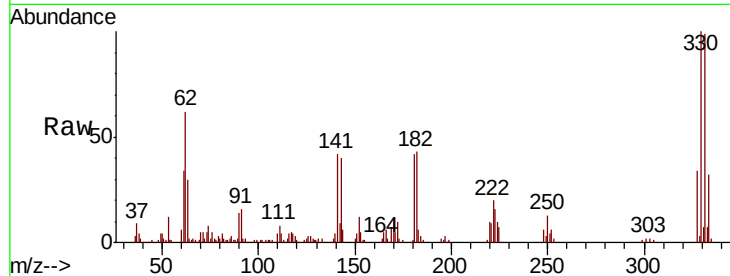




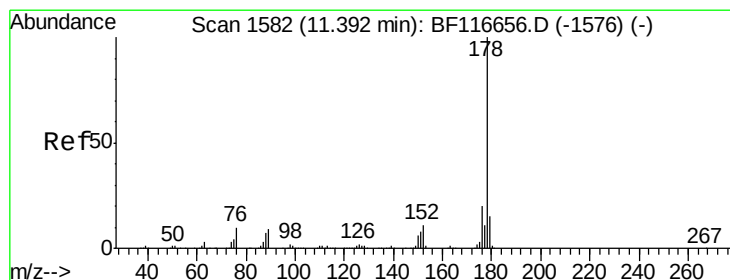
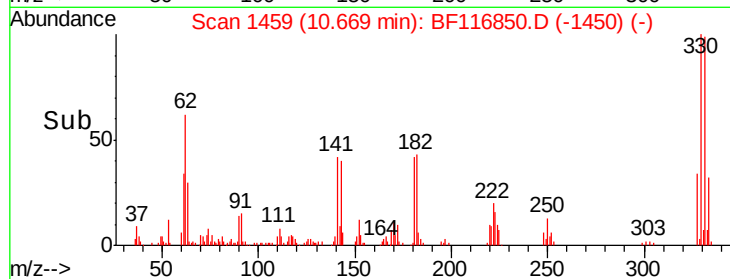
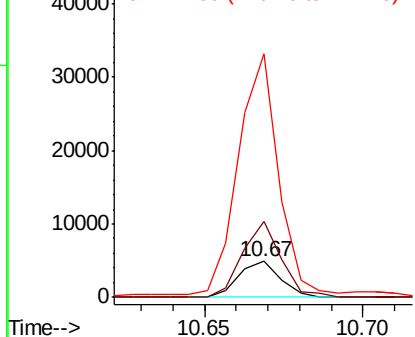
#67
4-Bromophenyl-phenylether
Concen: 2.142 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 4461
Ion Ratio Lower Upper
248 100
250 211.2 77.8 116.8#
141 677.1 75.9 113.9#

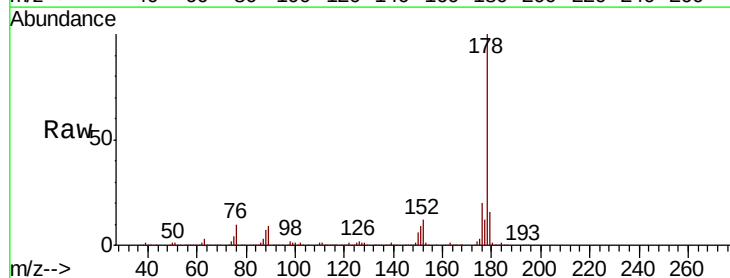


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

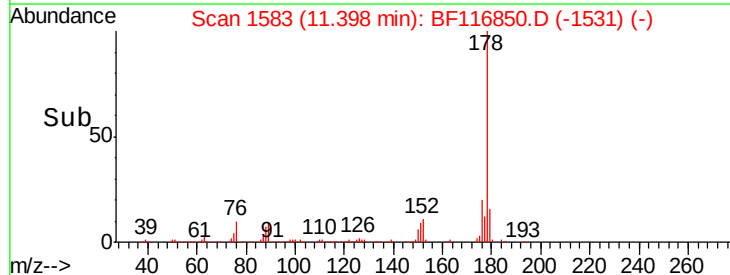
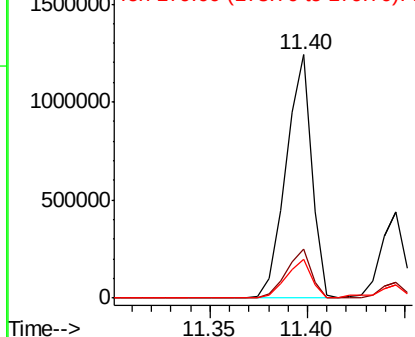


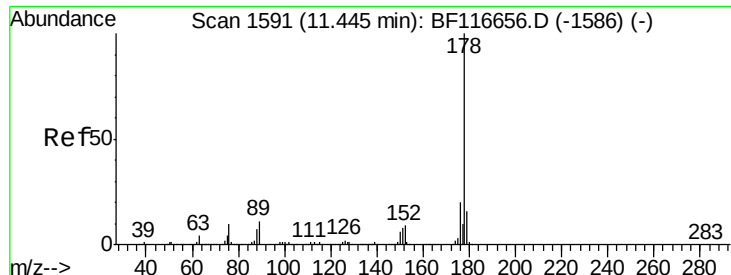
#71
Phenanthrene
Concen: 99.062 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion:178 Resp: 1130646
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.8 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





#72

Anthracene

Concen: 30.620 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampleId :

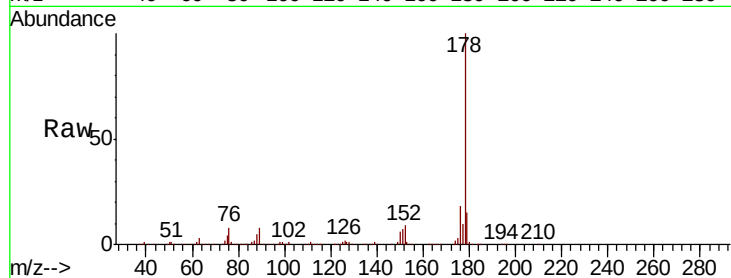
Tot Ion:178 Resp: 351800

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

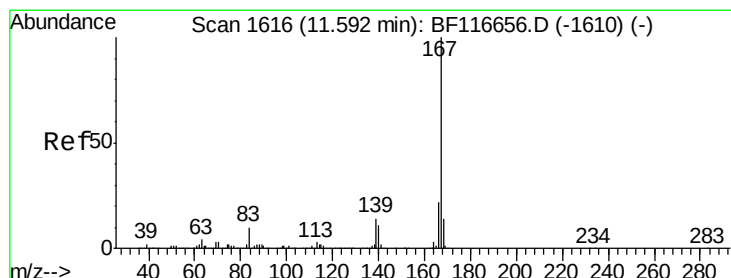
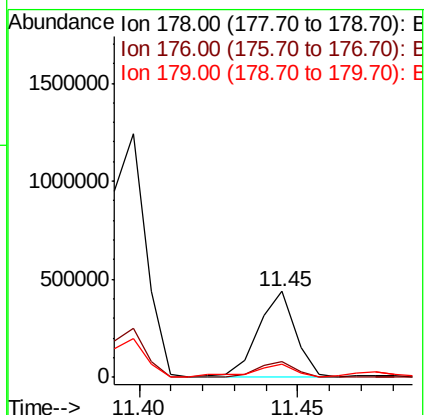
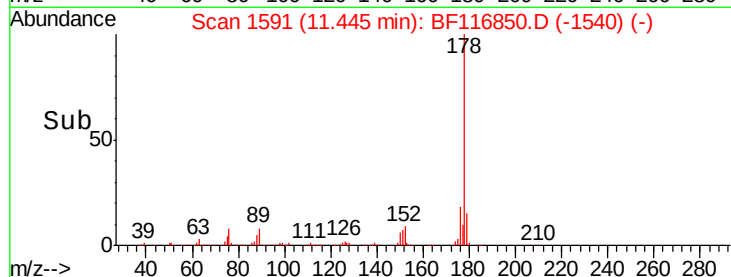
179 15.1 12.5 18.7



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



#73

Carbazole

Concen: 8.118 ng

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

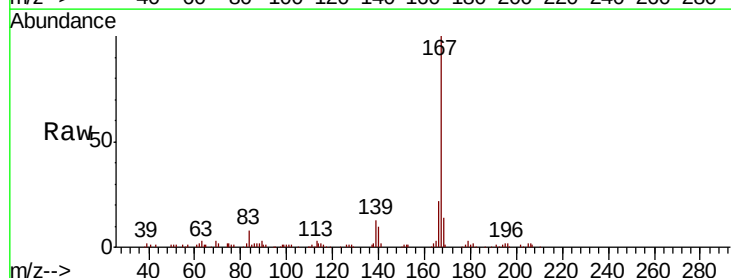
Tgt Ion:167 Resp: 88843

Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.6

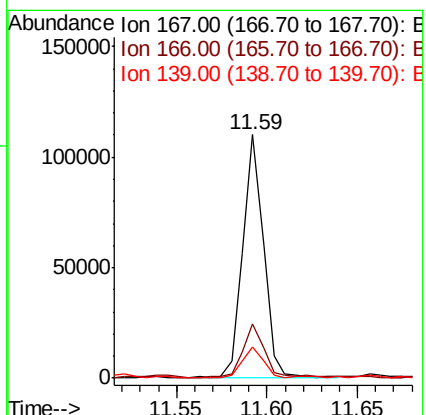
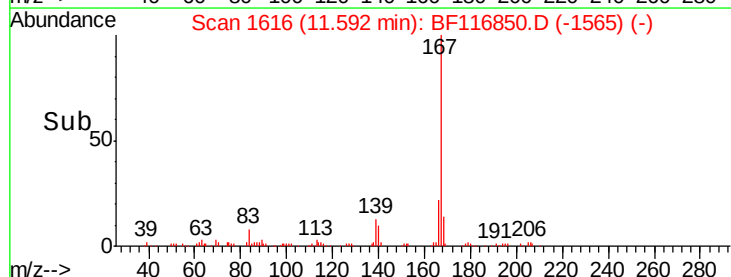
139 12.8 11.1 16.7

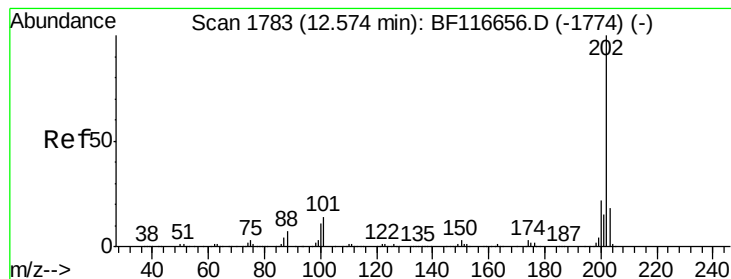


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 134.924 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.02 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampleId :

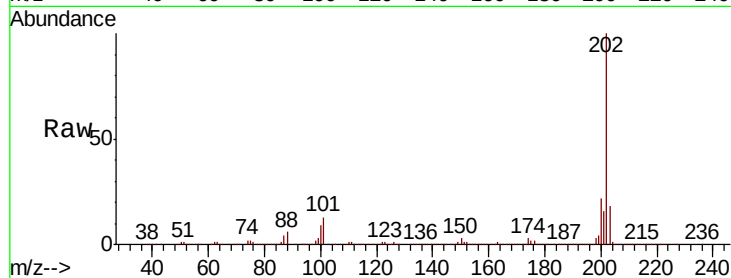
Tot Ion:202 Resp: 1513405

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.3

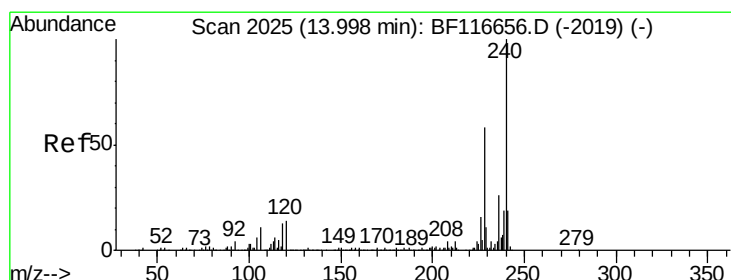
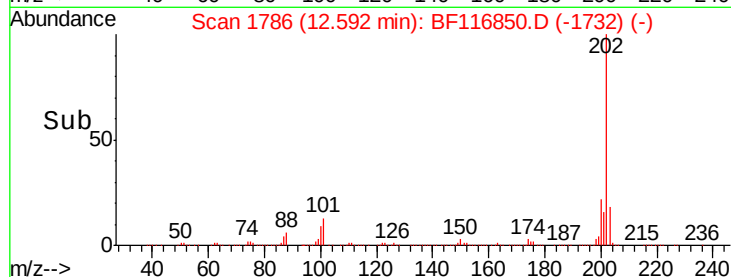
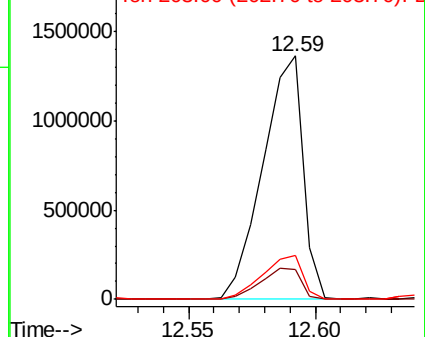
203 18.0 0.0 37.6



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

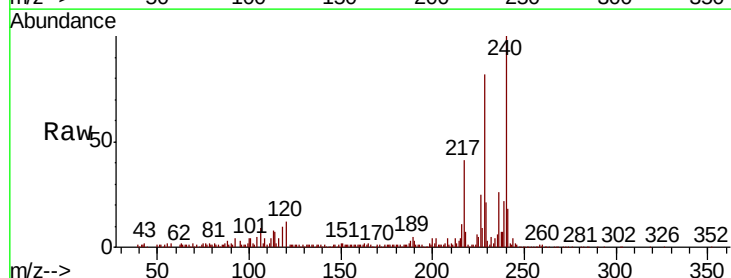
Tgt Ion:240 Resp: 147306

Ion Ratio Lower Upper

240 100

120 12.0 9.1 13.7

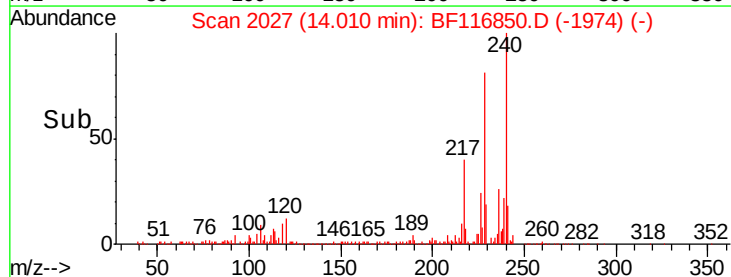
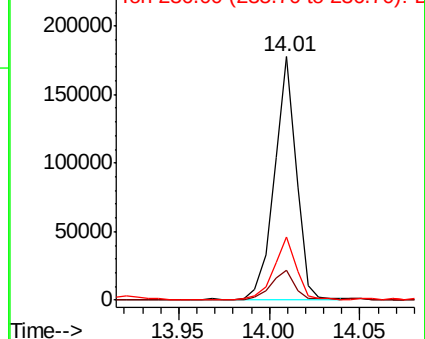
236 26.1 21.1 31.7

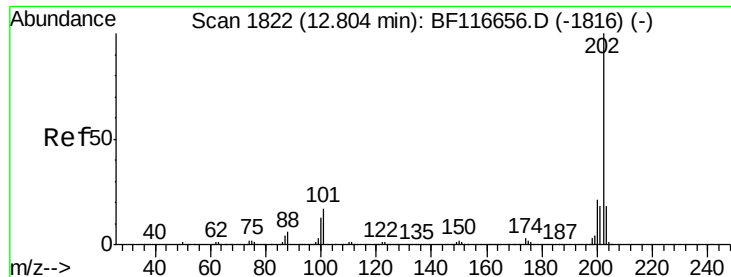


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

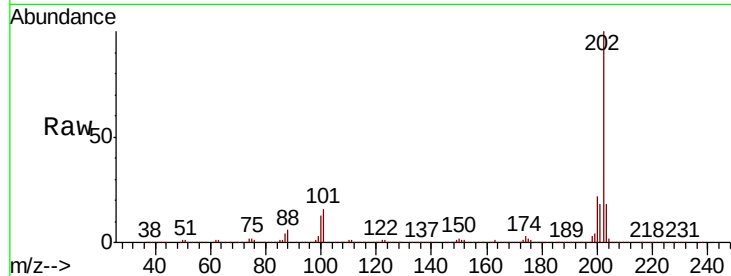




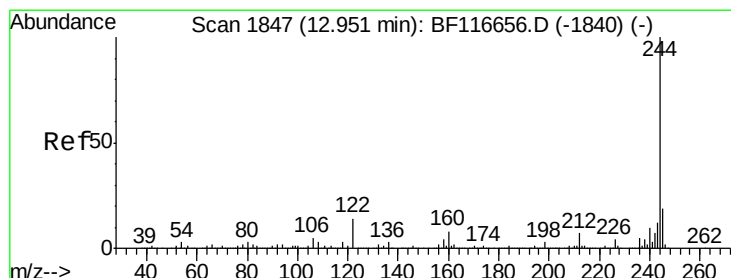
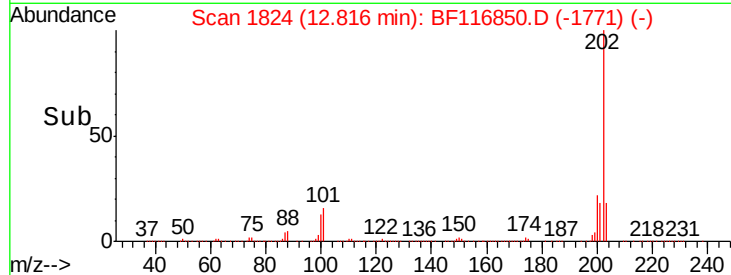
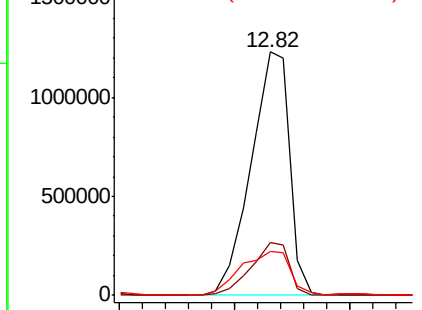
#78
Pvrene
Concen: 109.487 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1433677
Ion Ratio Lower Upper
202 100
200 21.6 16.5 24.7
203 18.1 13.7 20.5

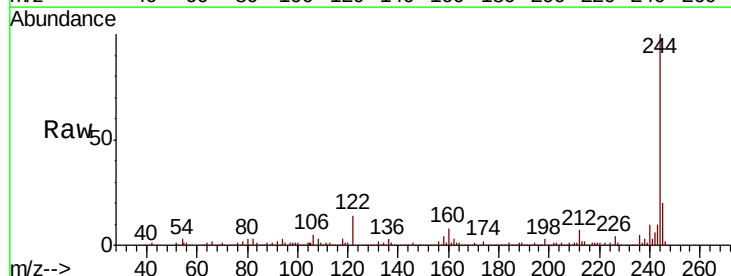


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

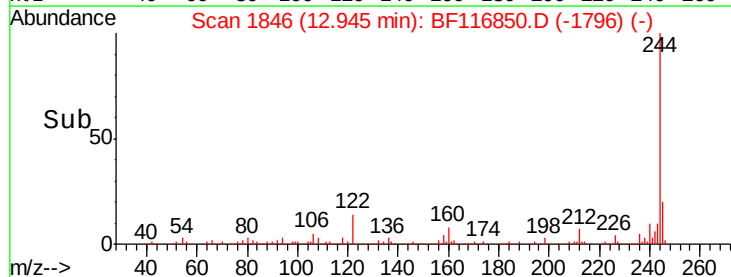
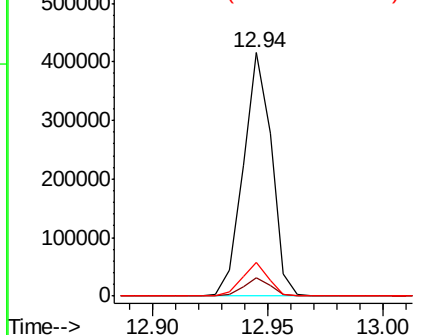


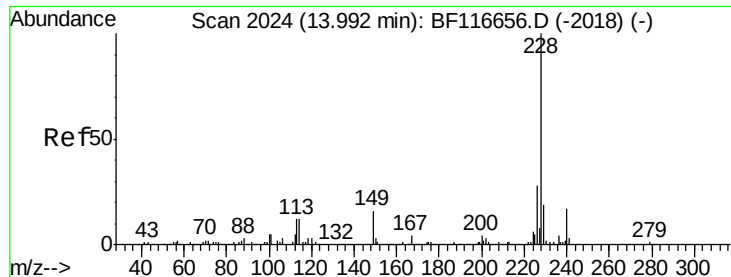
#79
Terphenyl-d14
Concen: 44.719 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion:244 Resp: 356084
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 13.8 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

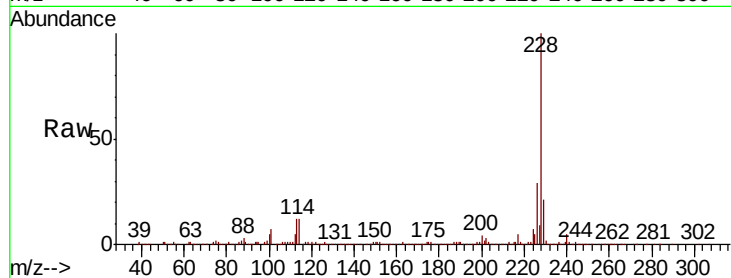




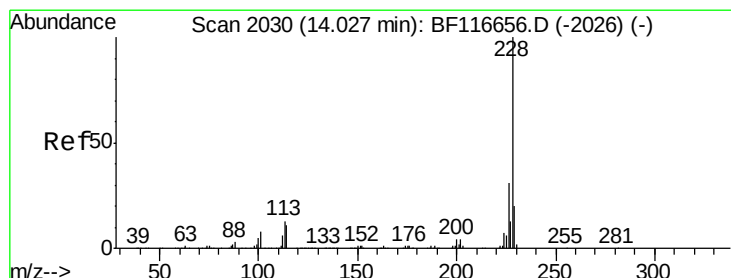
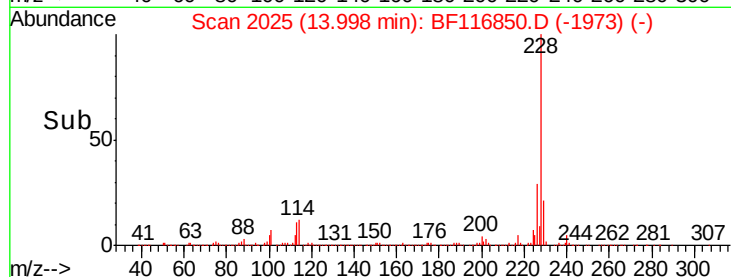
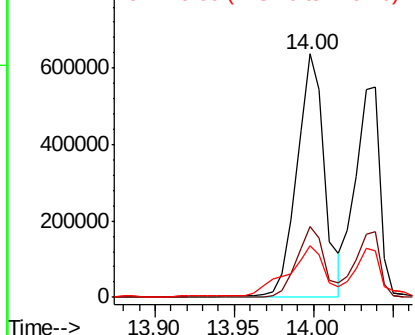
#81
Benzo(a)anthracene
Concen: 82.123 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 765630
Ion Ratio Lower Upper
228 100
226 29.1 22.0 33.0
229 21.3 16.4 24.6

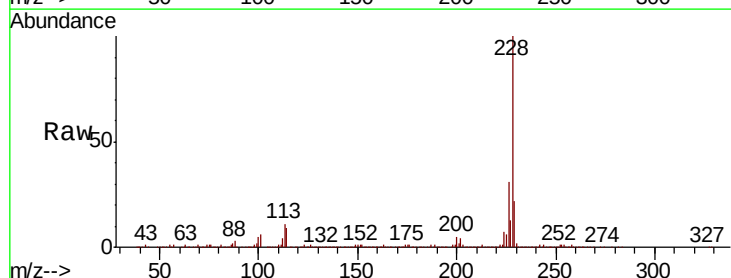


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

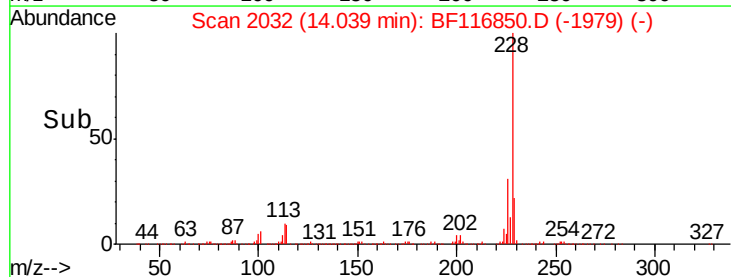
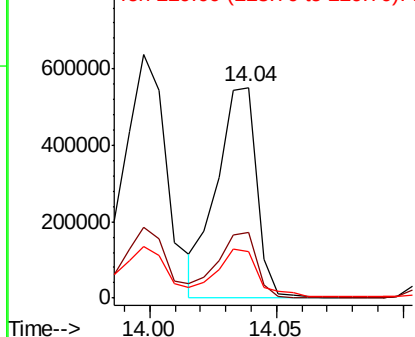


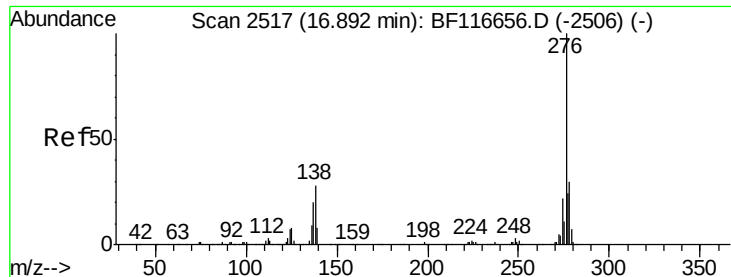
#83
Chrysene
Concen: 62.346 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion:228 Resp: 598831
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 21.9 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

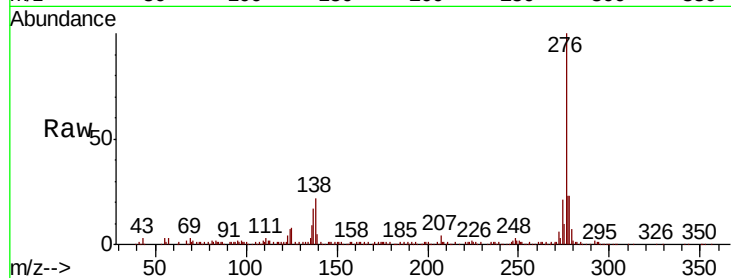




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 28.387 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.04 min
 Lab File: BF116850.D
 Acq: 5 Sep 2019 20:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.4	29.2
277	24.2	20.5	30.7

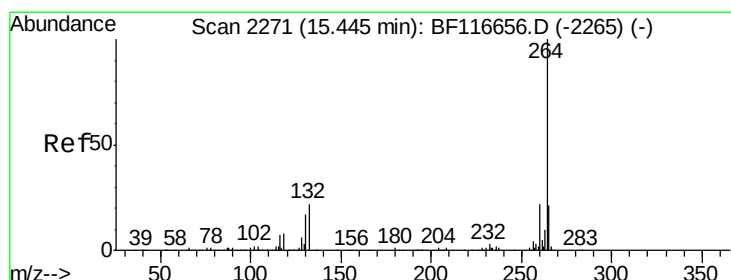
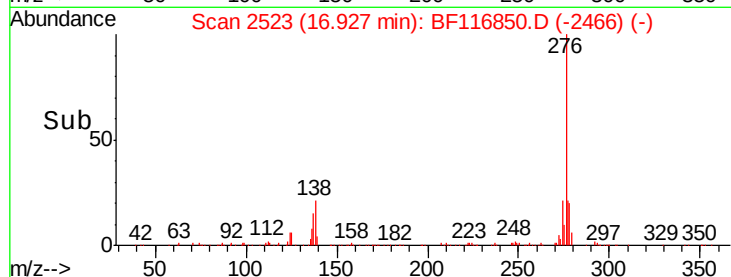
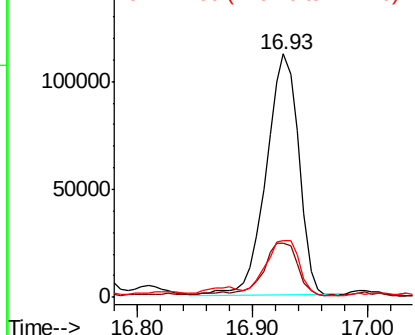


Abundance

Ion 276.00 (275.70 to 276.70): E

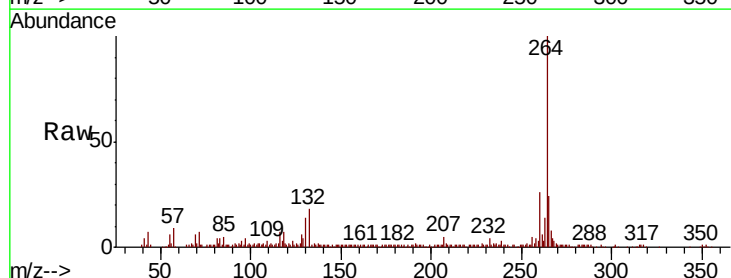
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF116850.D
 Acq: 5 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	18.3	27.5
265	24.3	16.5	24.7

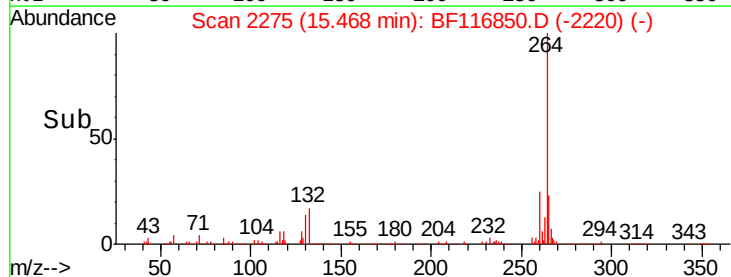
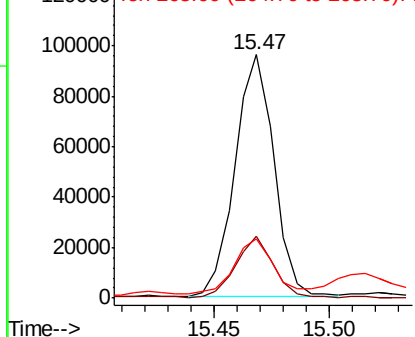


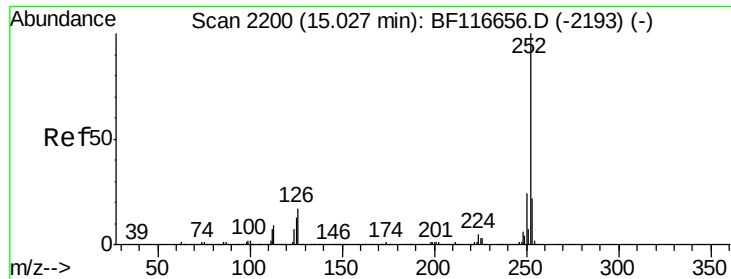
Abundance

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

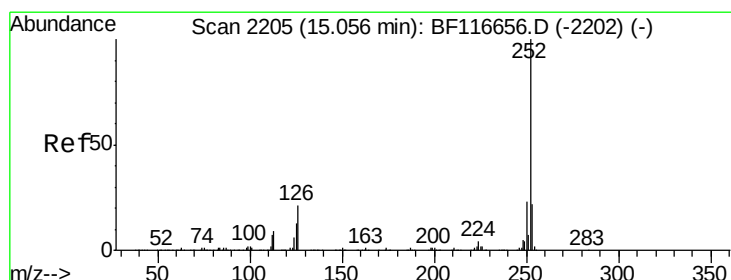
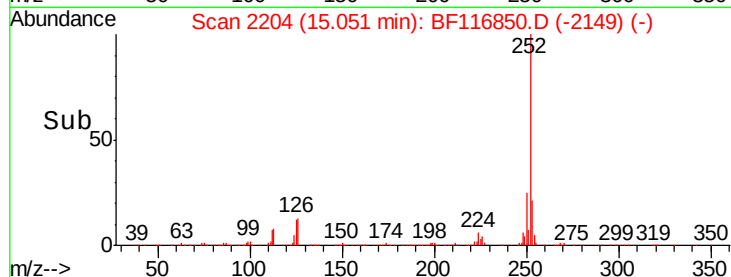
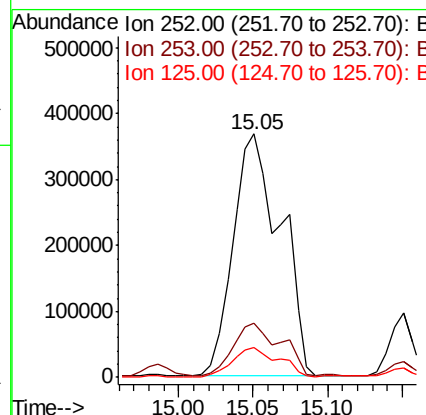
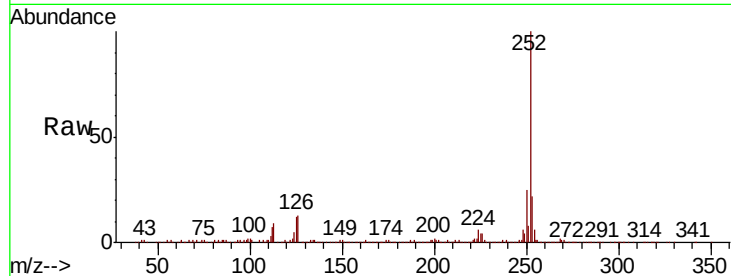




#88
Benzo(b)fluoranthene
Concen: 120.231 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

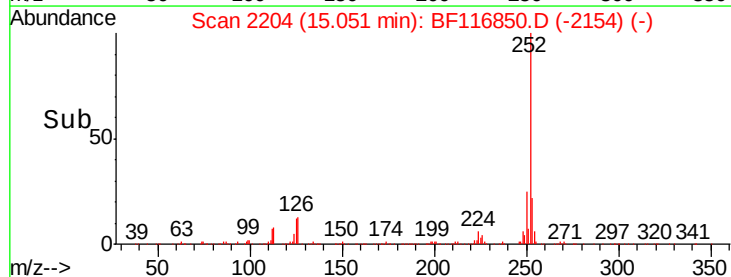
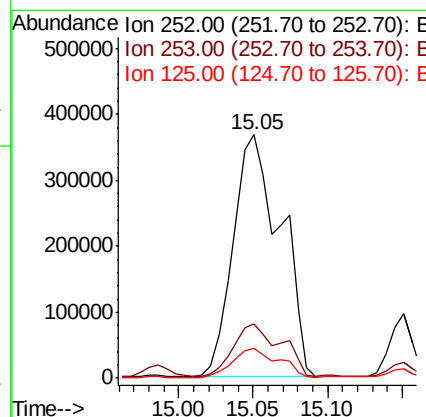
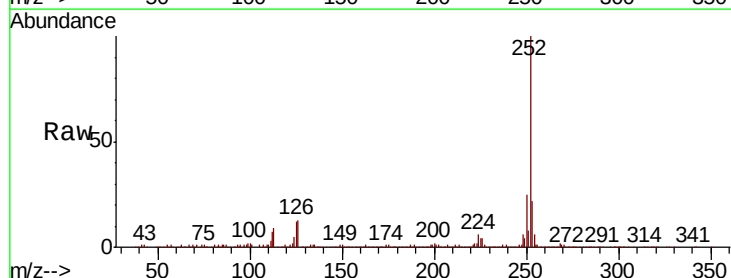
Instrument :
BNA_F
ClientSampleId :

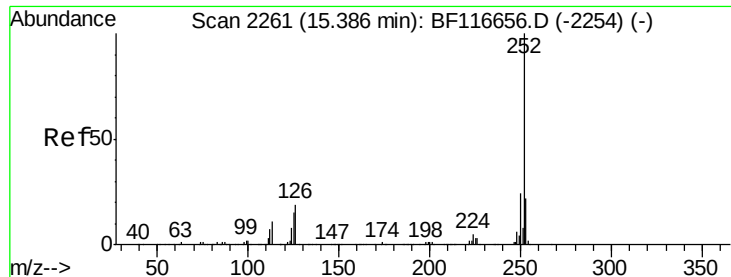
Tot Ion:252 Resp: 816186
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 12.2 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 131.865 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116850.D
Acq: 5 Sep 2019 20:41

Tgt Ion:252 Resp: 816186
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 12.2 8.6 13.0





#90

Benzo(a)pyrene

Concen: 70.219 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.02 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampleId :

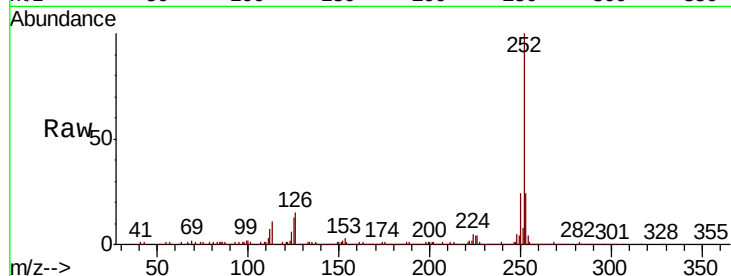
Tot Ion:252 Resp: 414715

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

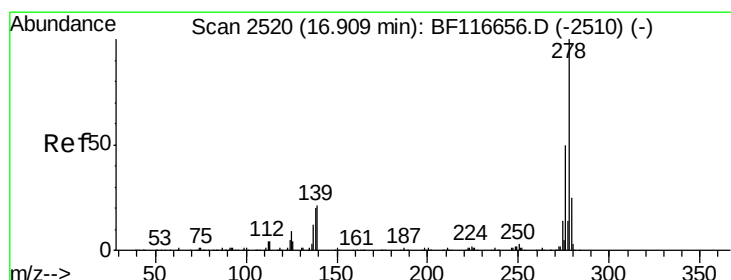
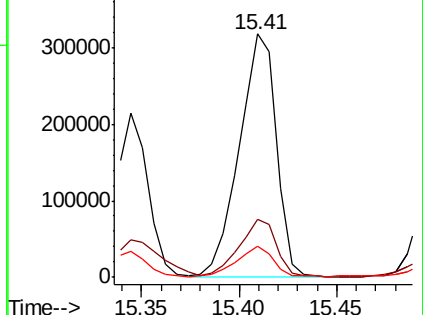
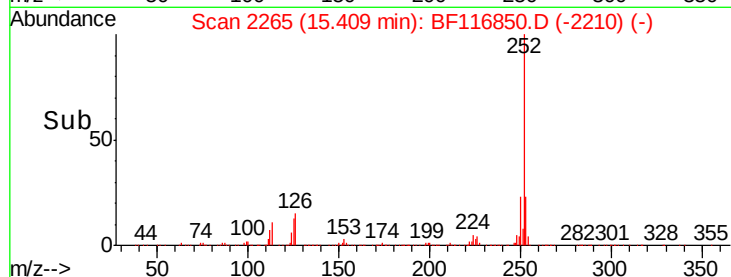
125 12.8 9.8 14.8



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



#91

Dibenzo(a,h)anthracene

Concen: 10.158 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.02 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

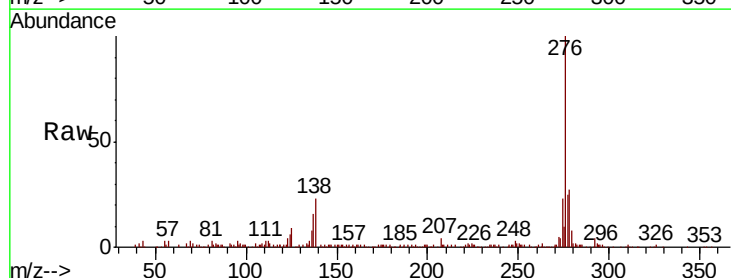
Tgt Ion:278 Resp: 52513

Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

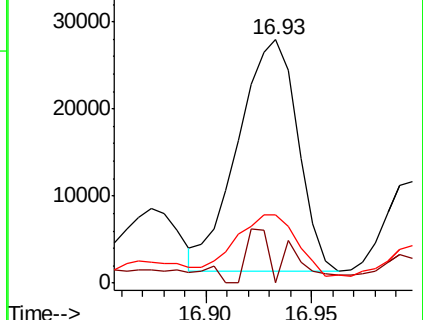
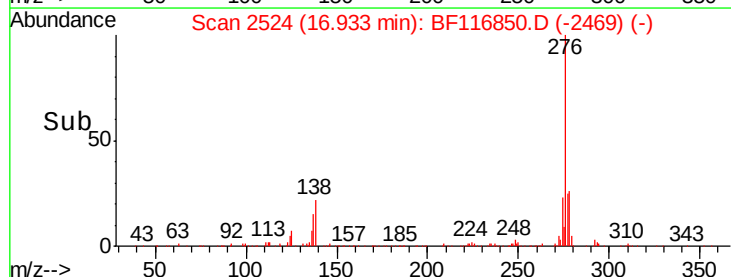
279 28.1 18.2 27.4#

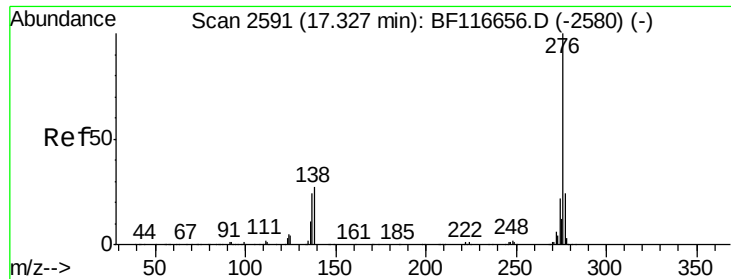


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 39.015 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.05 min

Lab File: BF116850.D

Acq: 5 Sep 2019 20:41

Instrument :

BNA_F

ClientSampleId :

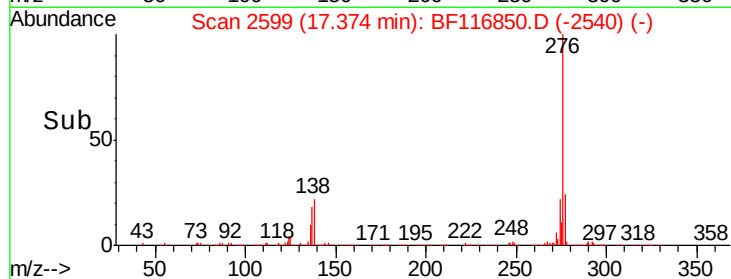
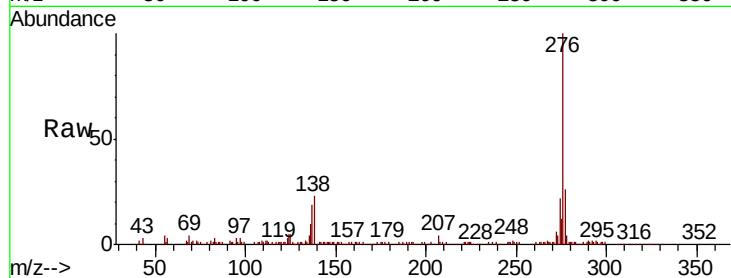
Tot Ion: 276 Resp: 205702

Ion Ratio Lower Upper

276 100

277 25.5 18.5 27.7

138 22.8 16.2 24.2



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

