

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116681.D
 Acq On : 31 Aug 2019 5:34
 Operator : HP/JU
 Sample : K4543-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 11:16:06 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	101496	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	404036	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	205503	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	316168	20.00	ng	0.00
76) Chrysene-d12	14.00	240	192072	20.00	ng	0.00
87) Perylene-d12	15.45	264	230943	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	616606	98.42	ng	0.00
7) Phenol-d6	6.47	99	829363	100.81	ng	0.00
23) Nitrobenzene-d5	7.40	82	510092	72.07	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	138581	100.87	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	756504	62.10	ng	0.00
79) Terphenyl-d14	12.94	244	563846	54.31	ng	0.00

Target Compounds

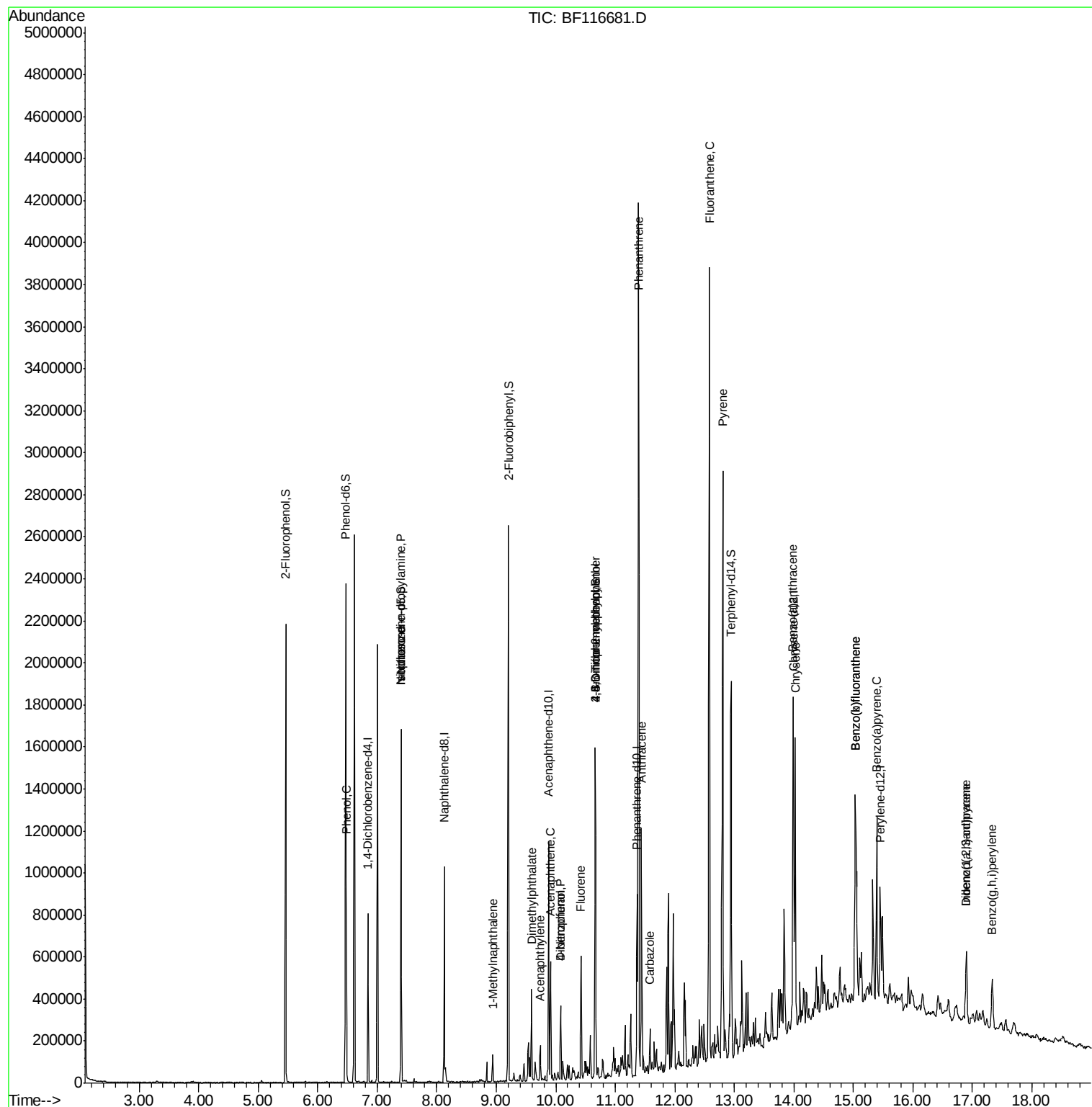
						Qvalue
10) Phenol	6.49	94	62299	6.839	ng	92
19) n-Nitroso-di-n-propylamine	7.40	70	68304	12.610	ng	# 72
25) Isophorone	7.40	82	508274	35.441	ng	# 66
38) 1-Methylnaphthalene	8.94	142	32045	2.656	ng	100
49) Acenaphthylene	9.74	152	48549	2.600	ng	98
50) Dimethylphthalate	9.59	163	143780	10.134	ng	99
52) Acenaphthene	9.91	154	109517	9.547	ng	99
55) Dibenzofuran	10.08	168	99008	6.122	ng	# 94
56) 4-Nitrophenol	10.08	139	39400	16.939	ng	# 3
58) Fluorene	10.43	166	156814	12.726	ng	98
65) 4,6-Dinitro-2-methylphenol	10.67	198	298	7.667	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	9492	2.955	ng	# 1
71) Phenanthrene	11.39	178	1552153	88.191	ng	98
72) Anthracene	11.44	178	406540	22.947	ng	99
73) Carbazole	11.59	167	78692	4.663	ng	99
75) Fluoranthene	12.58	202	1580253	91.363	ng	97
78) Pyrene	12.81	202	1273482	74.586	ng	98
81) Benzo(a)anthracene	13.99	228	570004	46.890	ng	98
83) Chrysene	14.02	228	476642	38.059	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	221333	22.003	ng	97
88) Benzo(b)fluoranthene	15.03	252	763982	54.717	ng	# 95
89) Benzo(k)fluoranthene	15.03	252	763982	60.011	ng	# 96
90) Benzo(a)pyrene	15.39	252	403319	33.202	ng	96
91) Dibenzo(a,h)anthracene	16.90	278	54631	5.138	ng	# 83
92) Benzo(g,h,i)perylene	17.33	276	179952	16.594	ng	# 95

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

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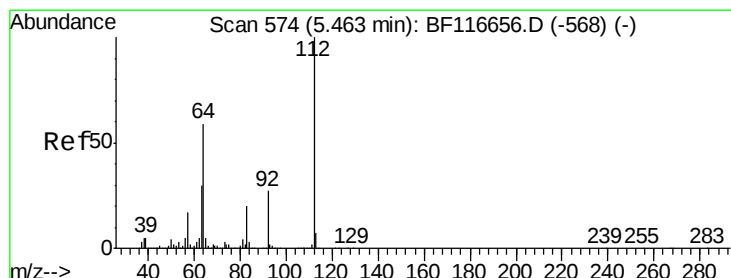
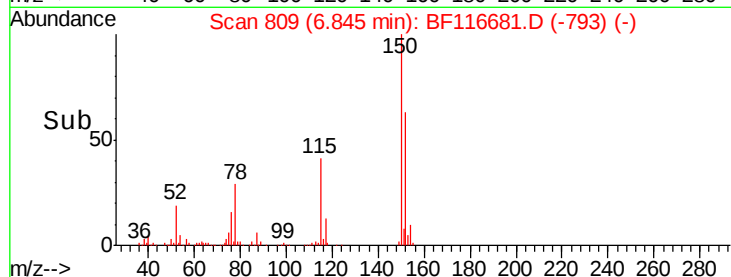
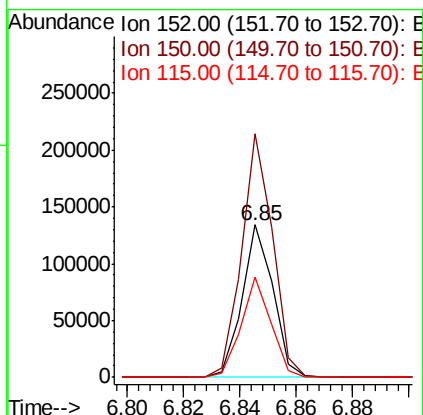
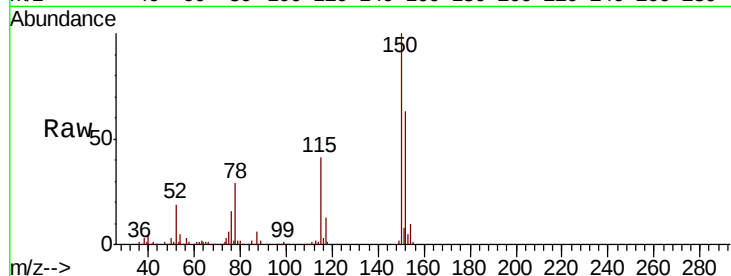


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :

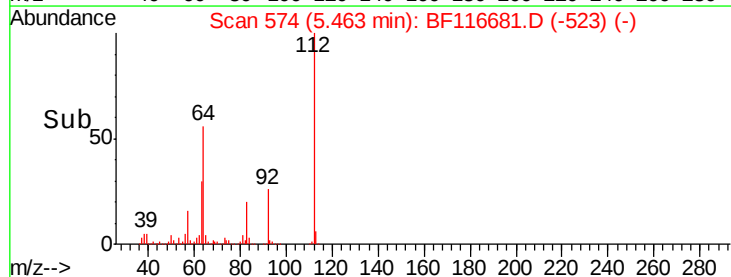
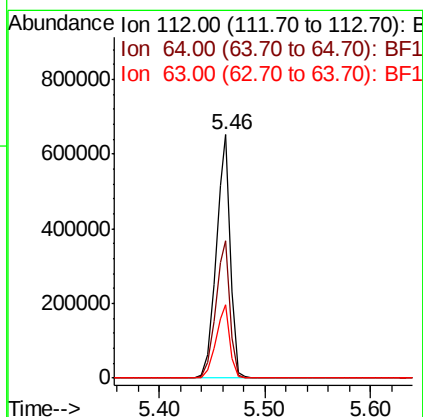
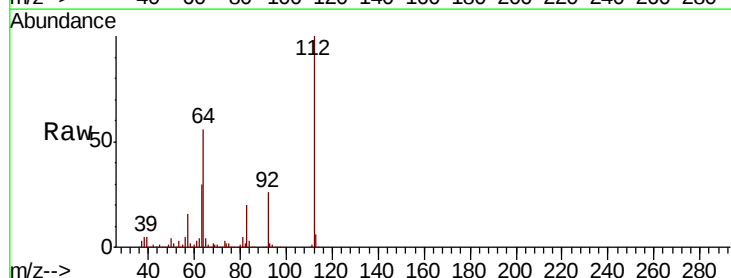
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.4	186.6
115	65.5	49.9	74.9



#5

2-Fluorophenol
Concen: 98.421 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.1	70.7
63	30.1	24.9	37.3





#7

Phenol-d6

Concen: 100.815 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampled :

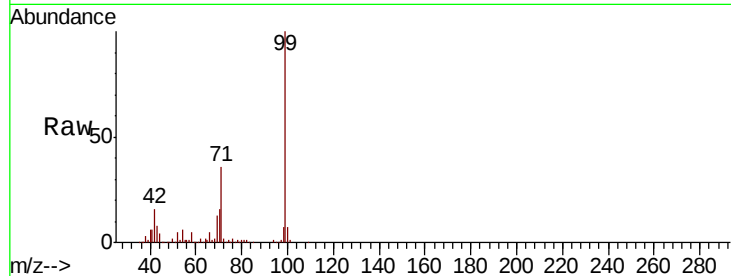
Tot Ion: 99 Resp: 829363

Ion Ratio Lower Upper

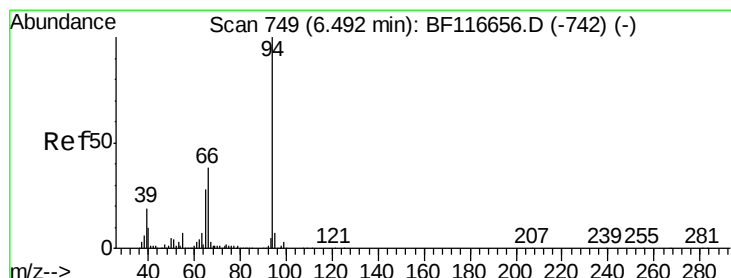
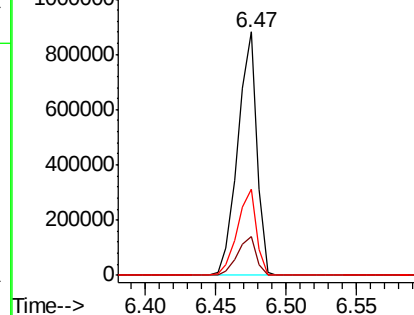
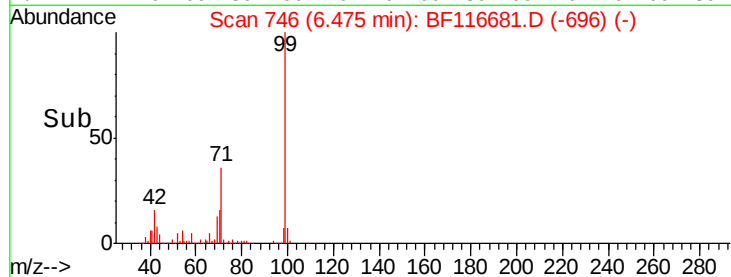
99 100

42 15.8 13.7 20.5

71 35.6 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: 6.839 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

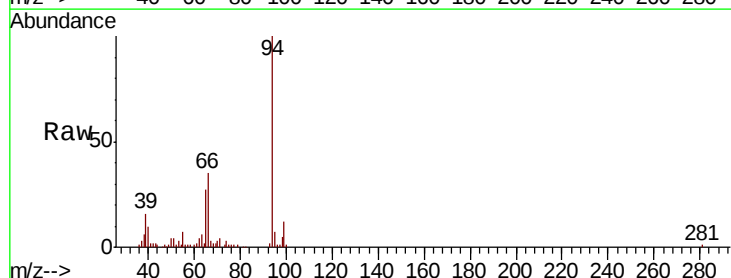
Tgt Ion: 94 Resp: 62299

Ion Ratio Lower Upper

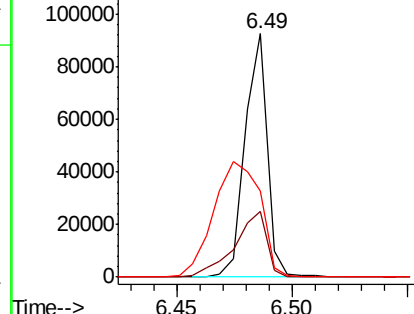
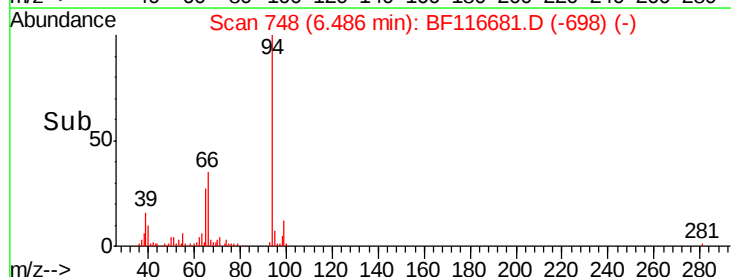
94 100

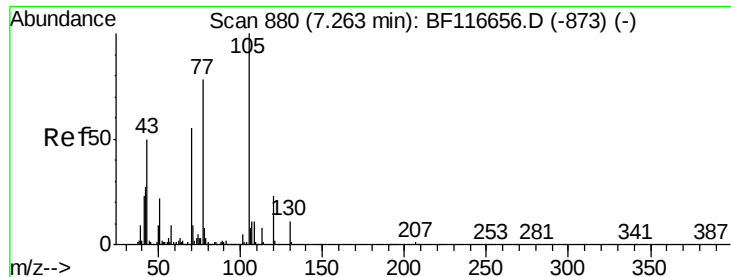
65 26.8 10.8 50.8

66 35.4 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

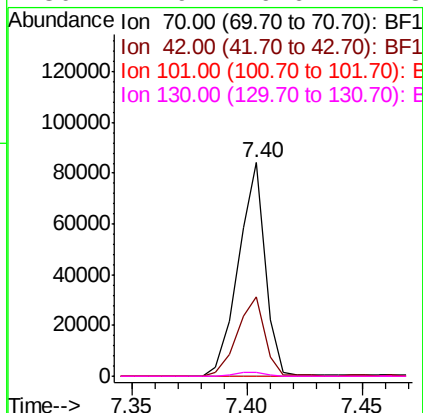
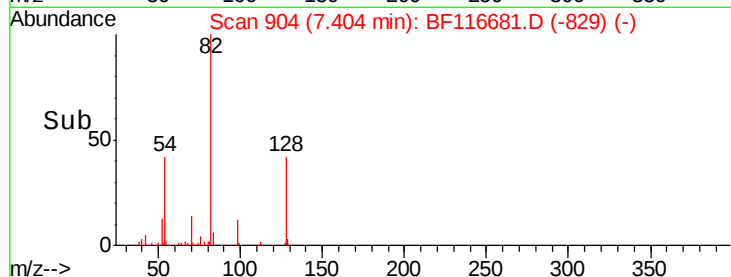
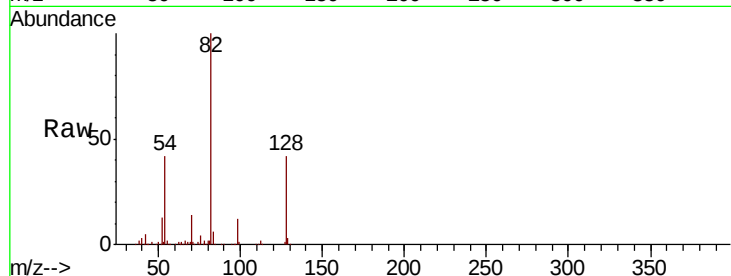




#19
n-Nitroso-di-n-propylamine
Concen: 12.610 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

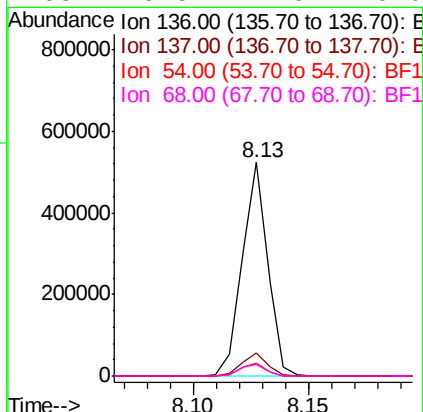
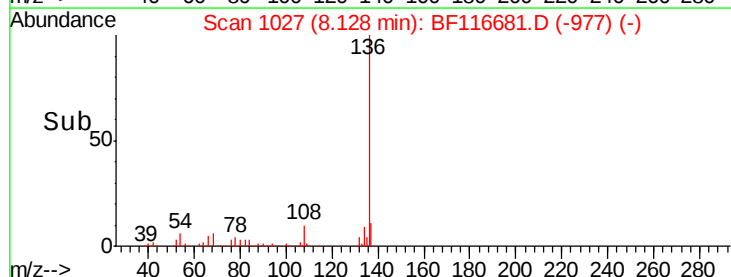
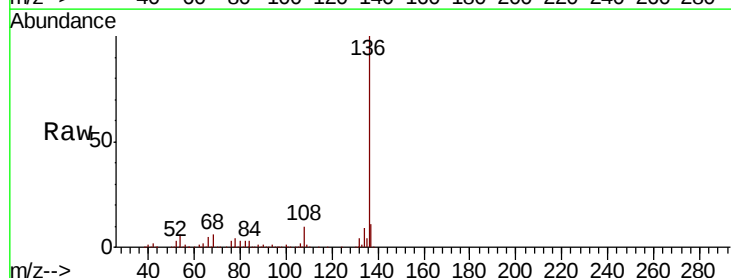
Instrument :
BNA_F
ClientSampleId :

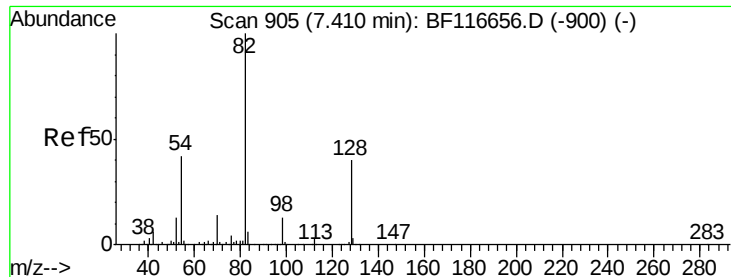
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.3	43.5	65.3#
101	0.0	7.8	11.6#
130	1.9	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	5.7	4.8	7.2
68	5.5	4.0	6.0





#23

Nitrobenzene-d5

Concen: 72.072 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

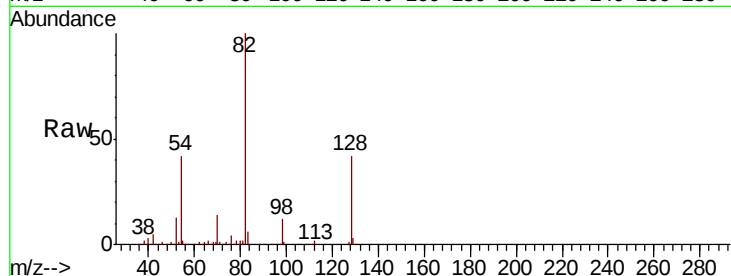
Tot Ion: 82 Resp: 510092

Ion Ratio Lower Upper

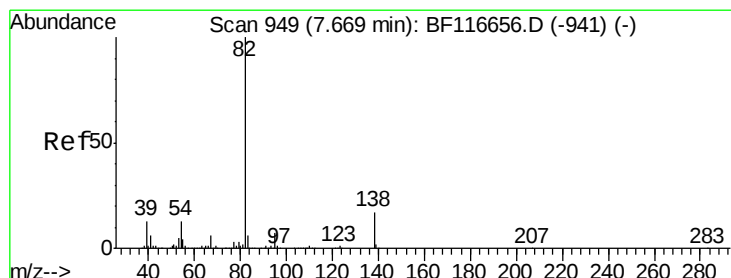
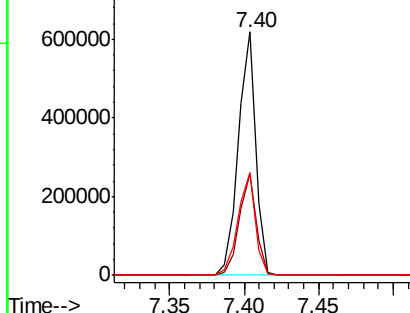
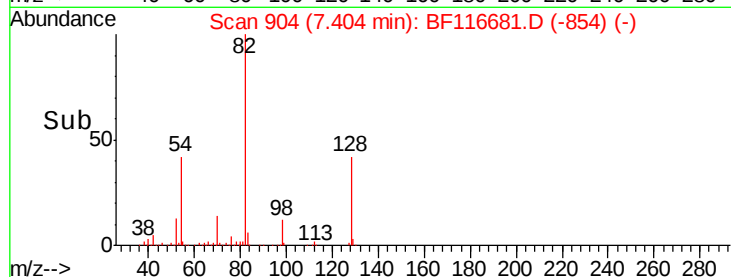
82 100

128 41.6 32.8 49.2

54 42.0 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: 35.441 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

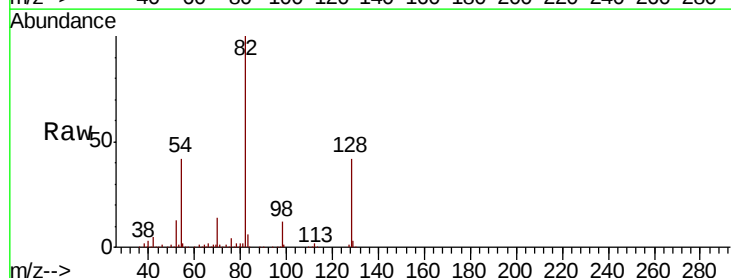
Tgt Ion: 82 Resp: 508274

Ion Ratio Lower Upper

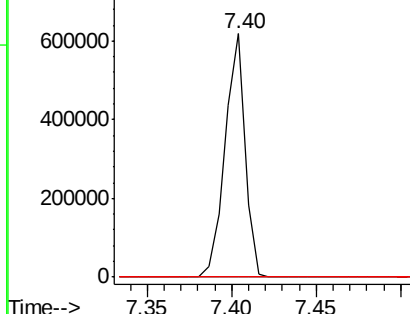
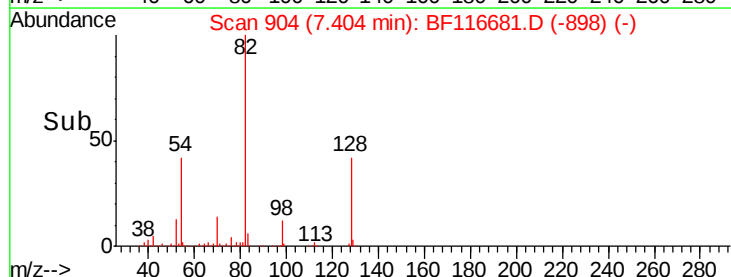
82 100

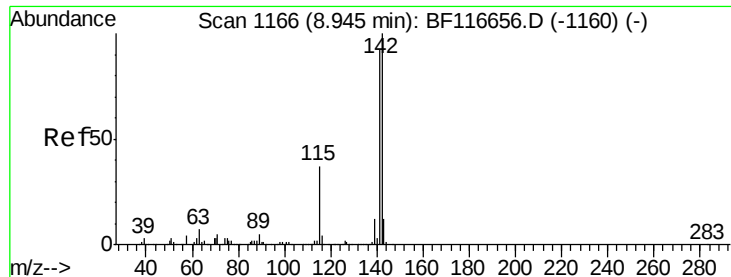
95 0.0 5.8 8.6#

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

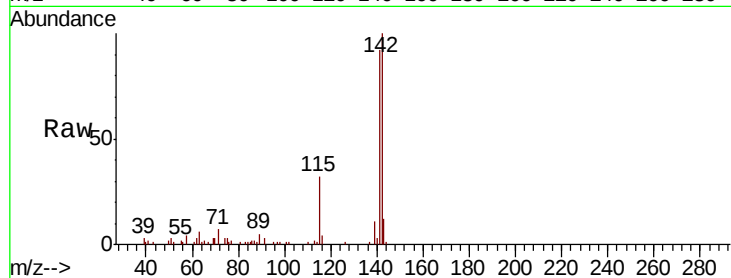




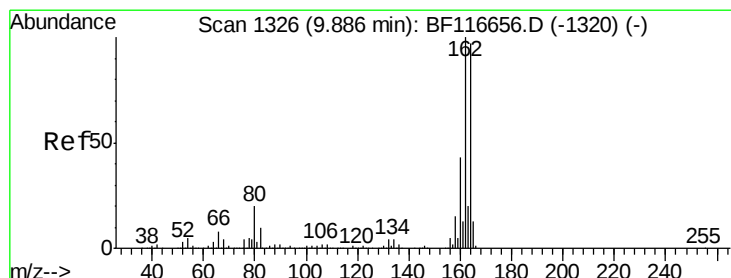
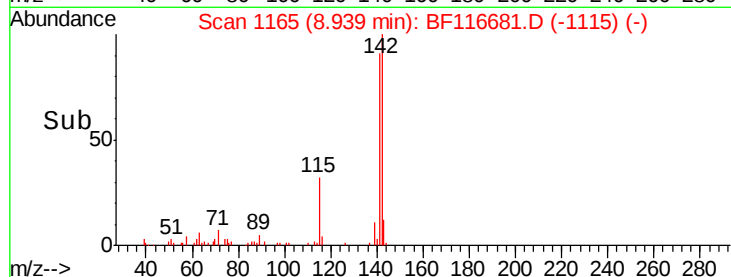
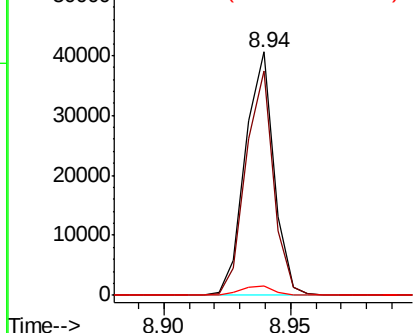
#38
1-Methylnaphthalene
Concen: 2.656 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 32045
Ion Ratio Lower Upper
142 100
141 92.0 73.9 110.9
116 3.9 3.0 4.6

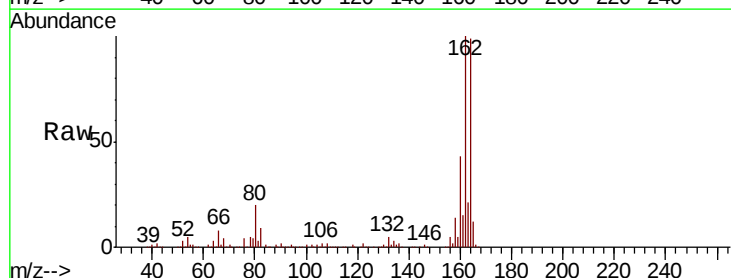


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

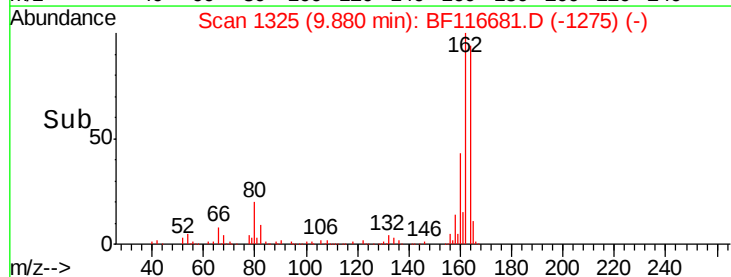
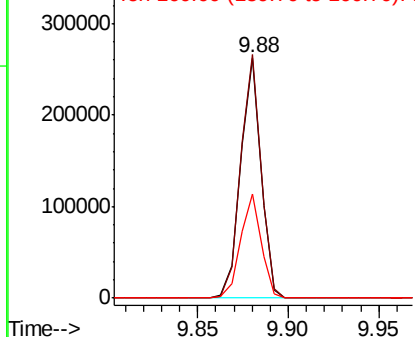


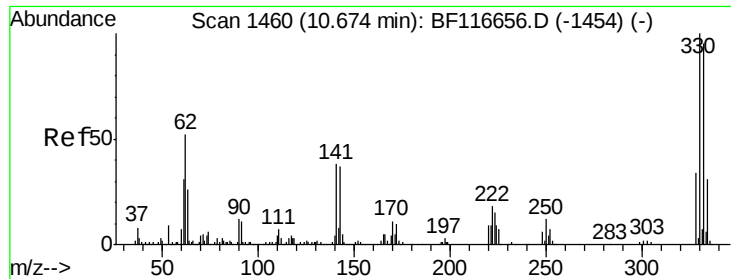
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion:164 Resp: 205503
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.0
160 43.2 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

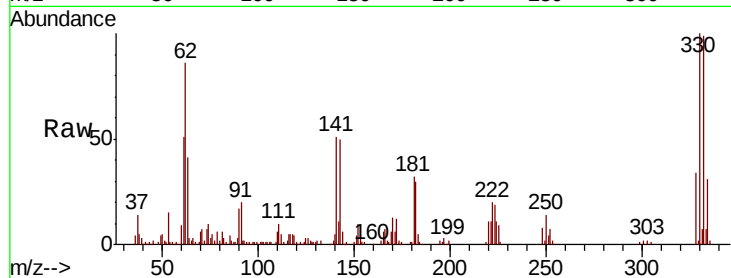




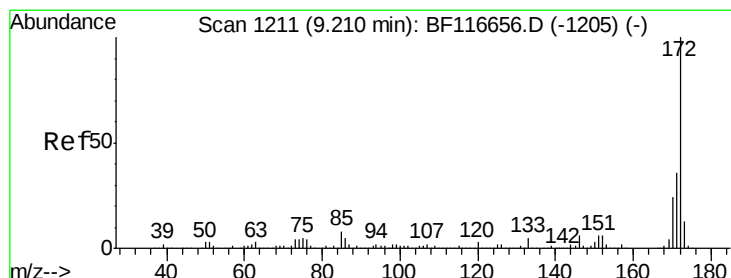
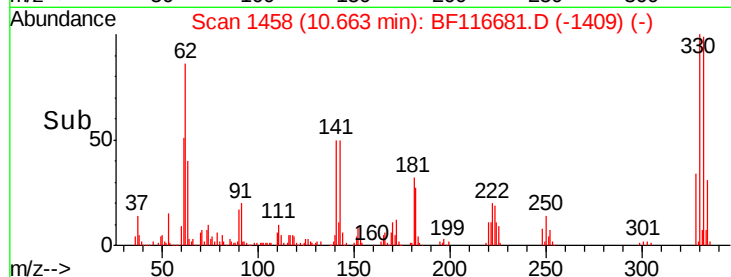
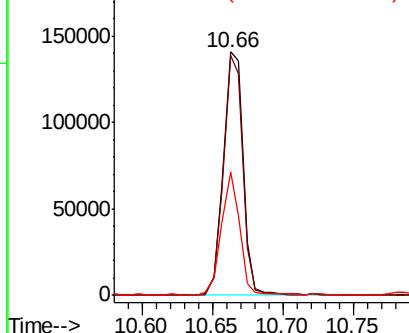
#42
 2,4,6-Tribromophenol
 Concen: 100.872 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.9	115.3
141	46.6	31.4	47.2

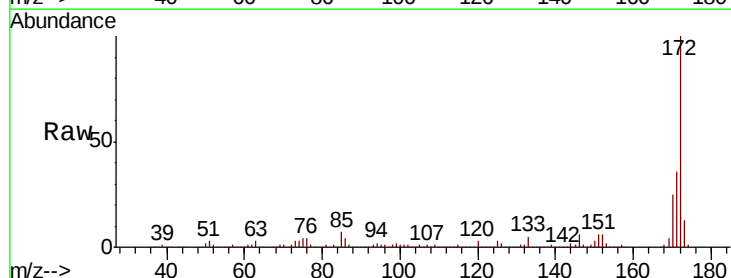


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

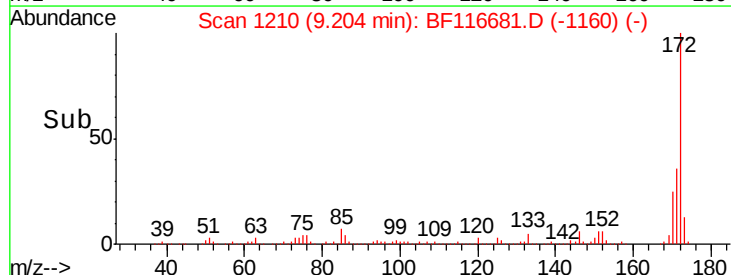
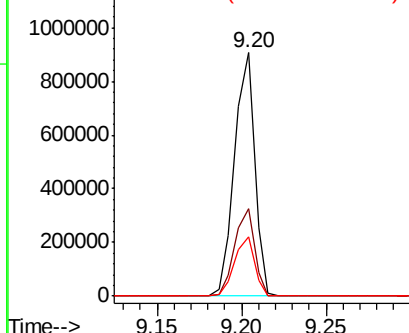


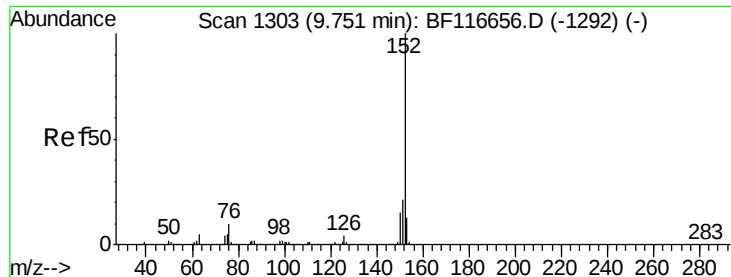
#45
 2-Fluorobiphenyl
 Concen: 62.098 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.5	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





#49

Acenaphthylene

Concen: 2.600 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

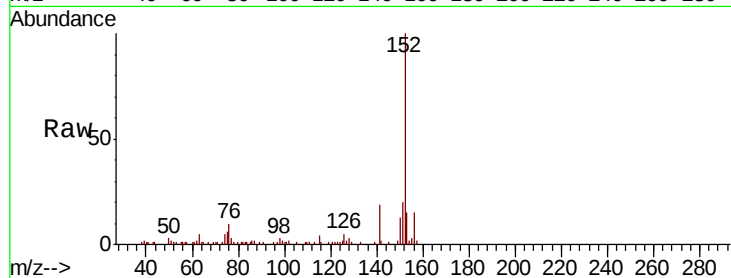
Tot Ion:152 Resp: 48549

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

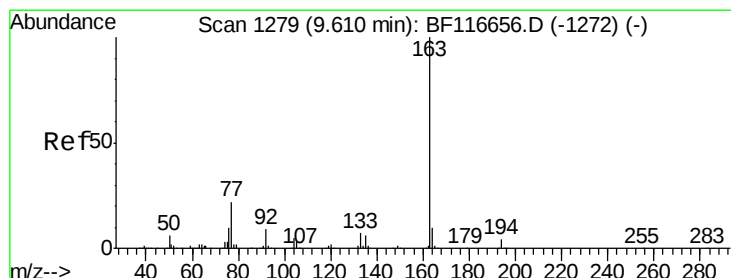
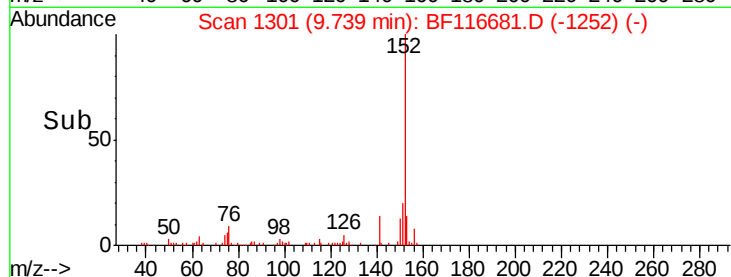
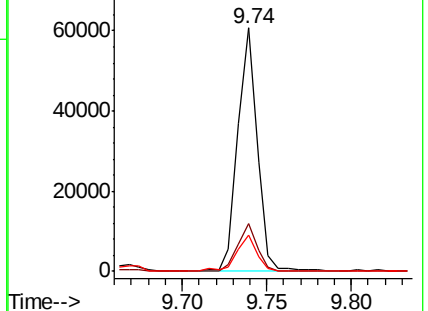
153 14.9 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 10.134 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

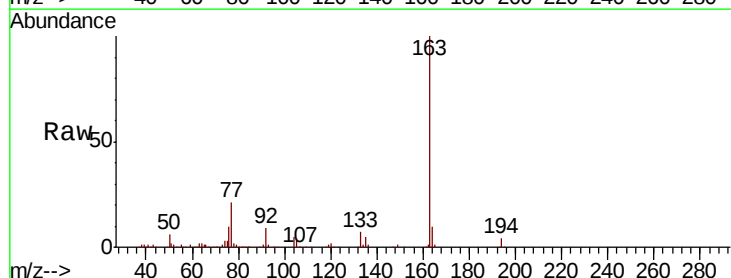
Tgt Ion:163 Resp: 143780

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

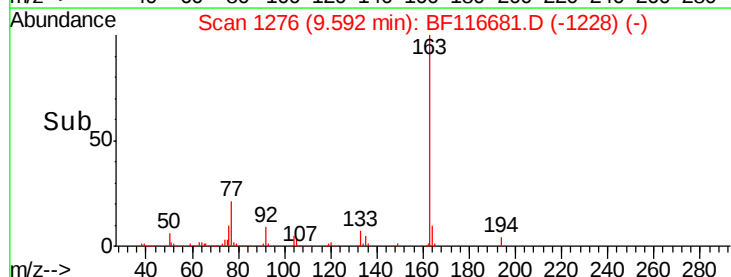
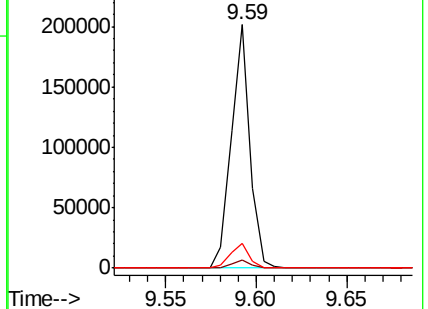
164 10.1 8.6 12.8

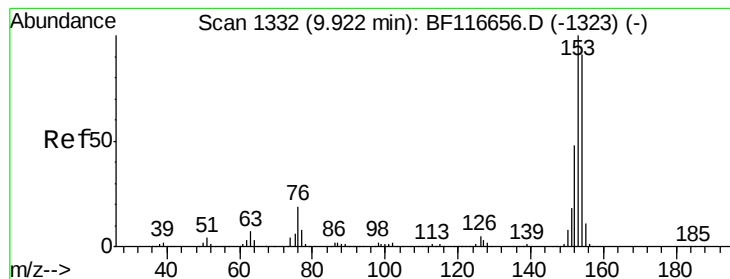


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 9.547 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

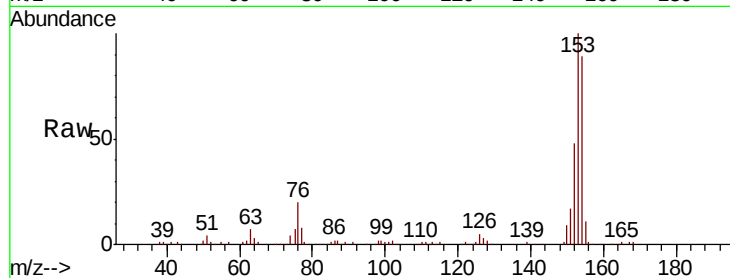
Tot Ion:154 Resp: 109517

Ion Ratio Lower Upper

154 100

153 112.4 89.5 134.3

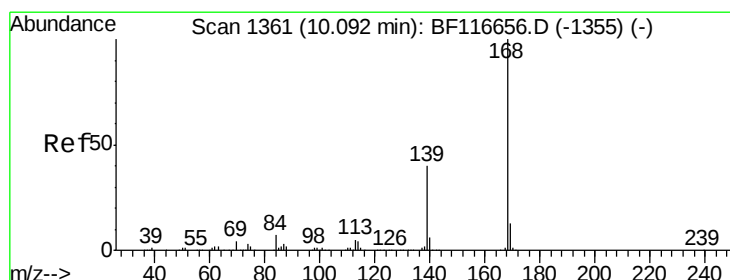
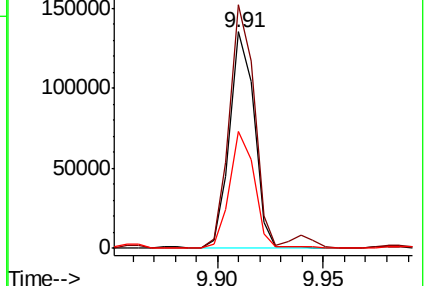
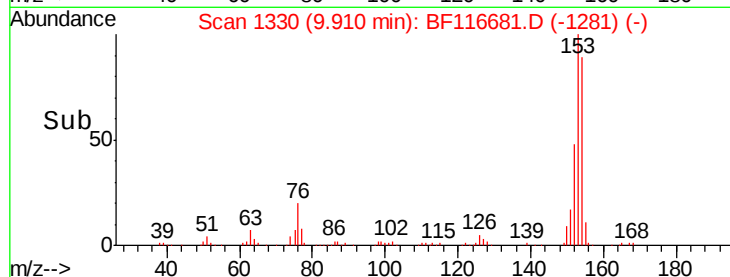
152 54.3 41.9 62.9



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: 6.122 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

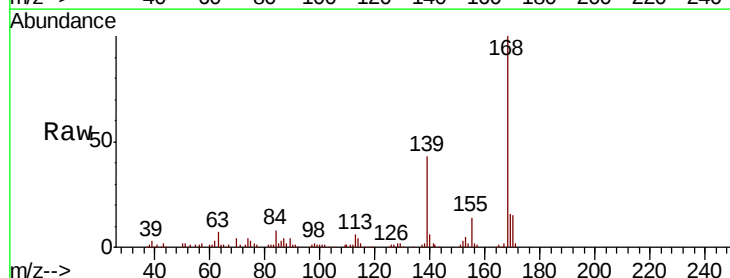
Tgt Ion:168 Resp: 99008

Ion Ratio Lower Upper

168 100

139 42.6 31.5 47.3

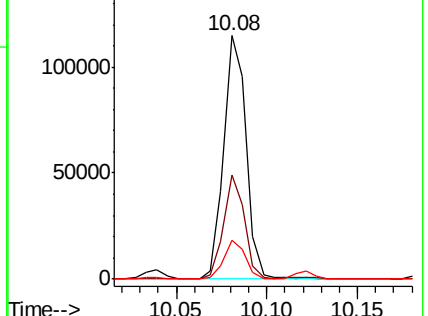
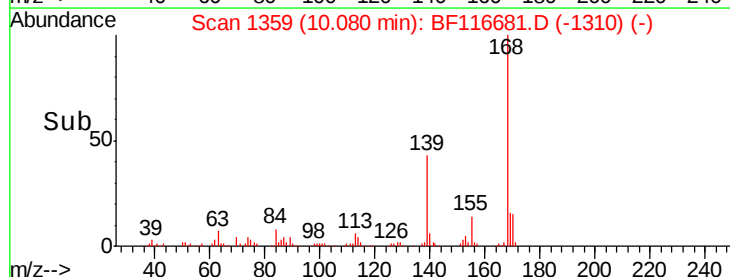
169 16.1 10.3 15.5#

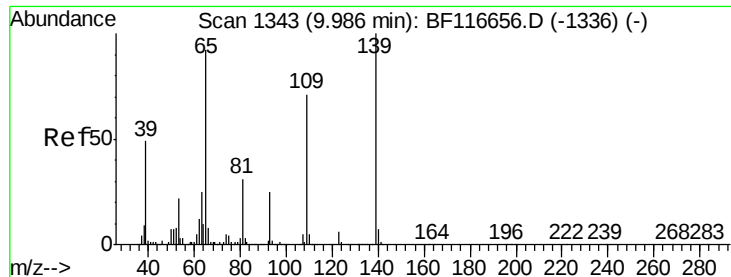


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

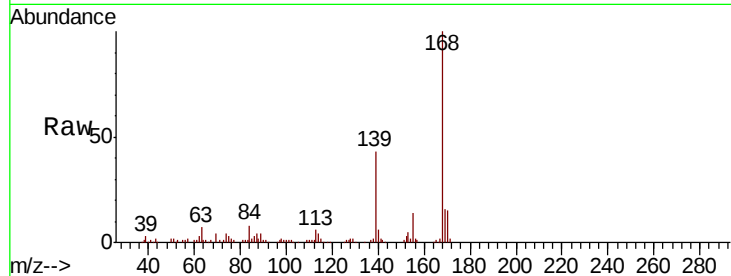




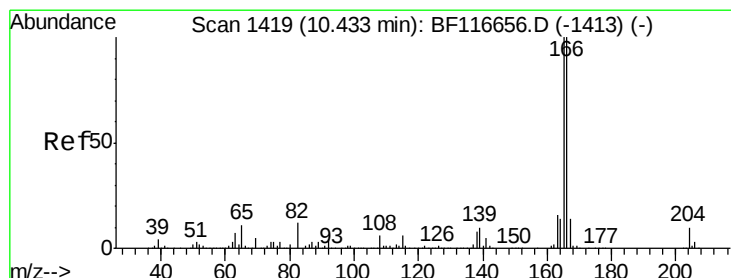
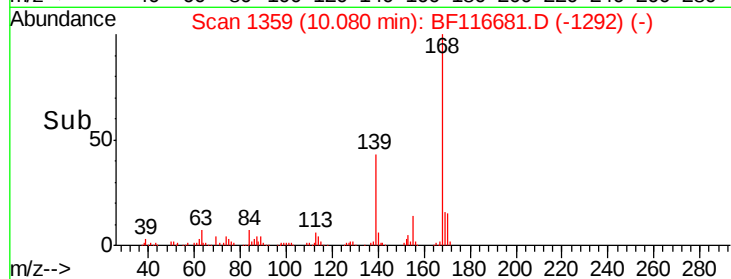
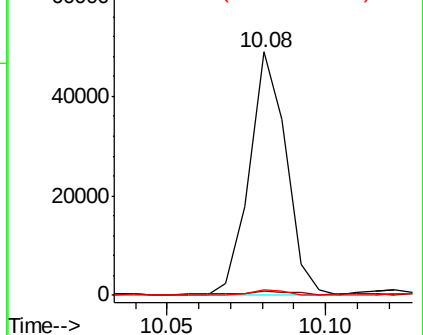
#56
4-Nitrophenol
Concen: 16.939 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.09 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 39400
Ion Ratio Lower Upper
139 100
109 1.5 61.7 101.7#
65 2.1 89.1 129.1#

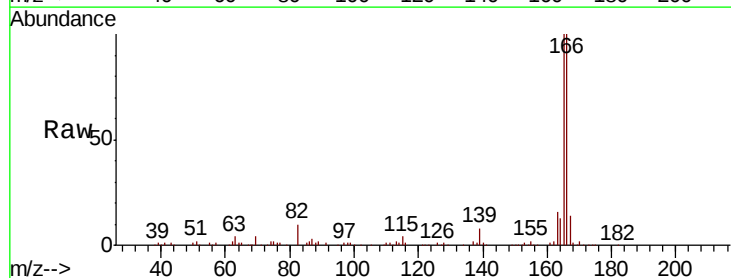


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

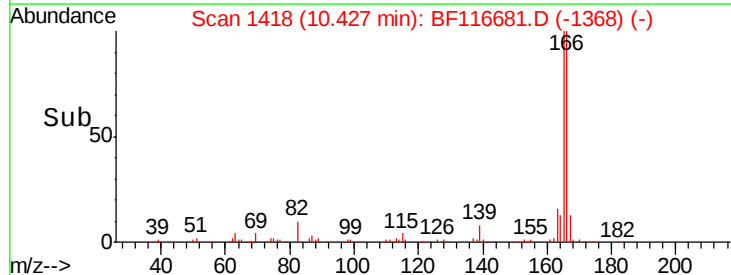
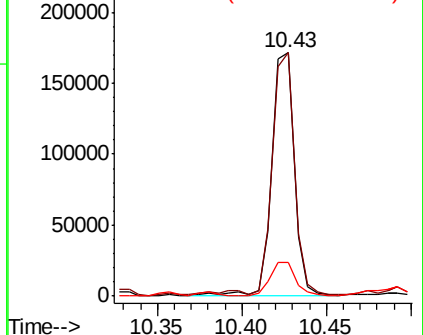


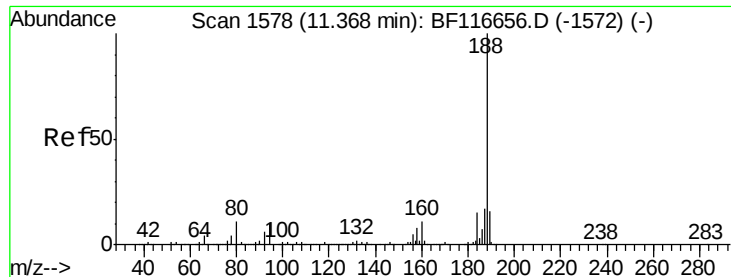
#58
Fluorene
Concen: 12.726 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion:166 Resp: 156814
Ion Ratio Lower Upper
166 100
165 99.9 78.8 118.2
167 13.7 10.0 15.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

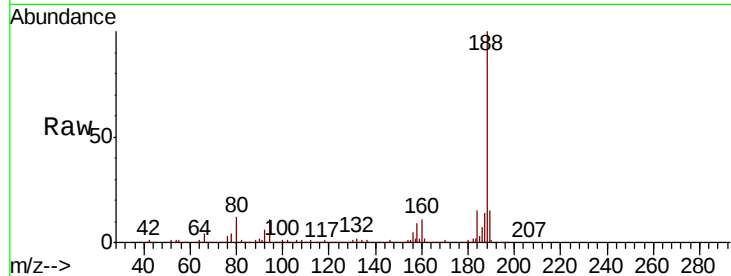
Tot Ion:188 Resp: 316168

Ion Ratio Lower Upper

188 100

94 11.0 7.3 10.9#

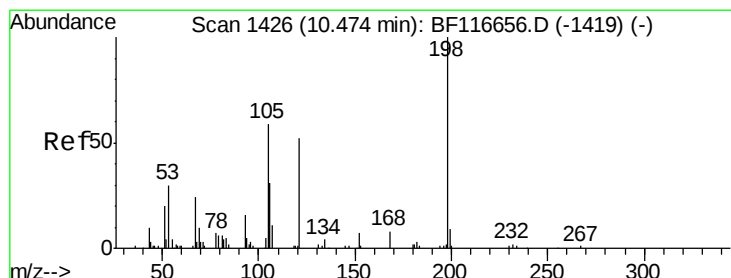
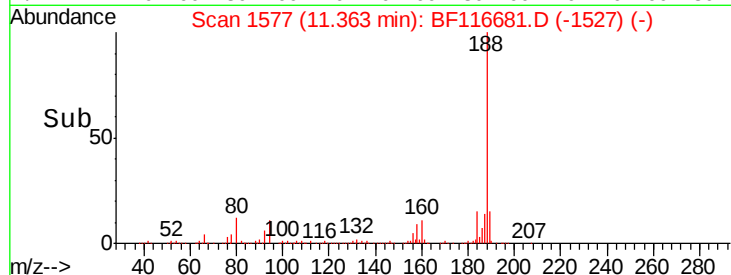
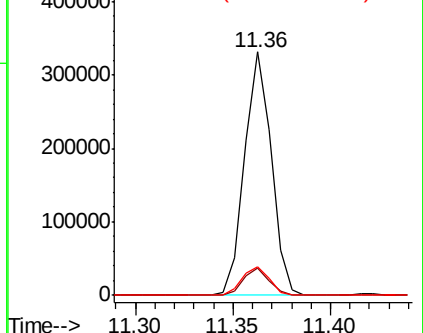
80 11.7 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.667 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

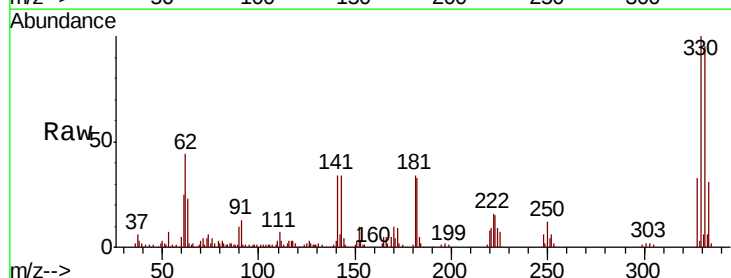
Tgt Ion:198 Resp: 298

Ion Ratio Lower Upper

198 100

51 482.1 18.4 58.4#

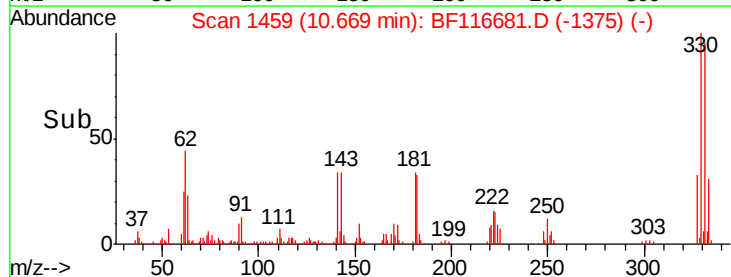
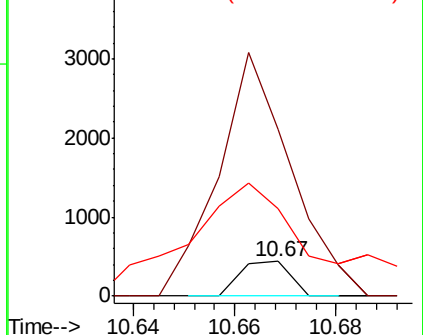
105 254.4 22.9 62.9#

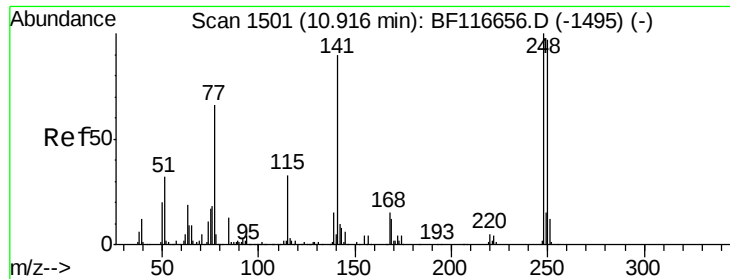


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 2.955 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

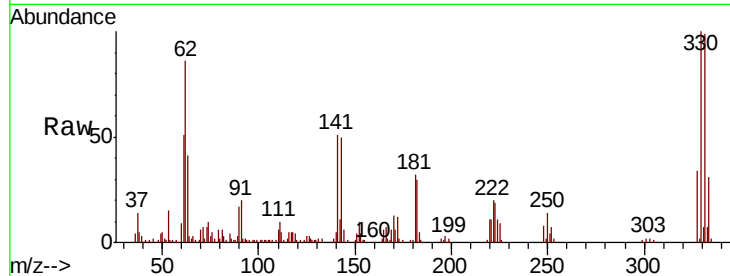
Tot Ion:248 Resp: 9492

Ion Ratio Lower Upper

248 100

250 185.7 77.8 116.8#

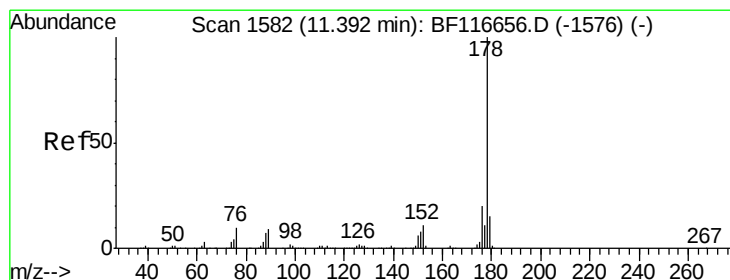
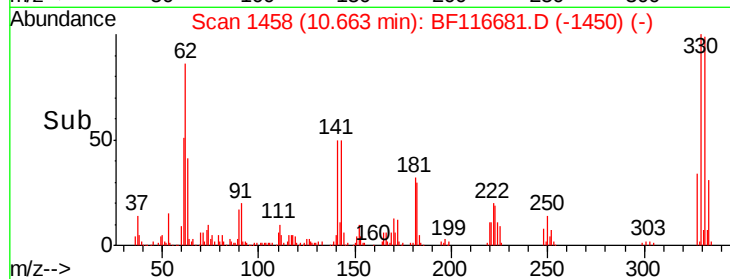
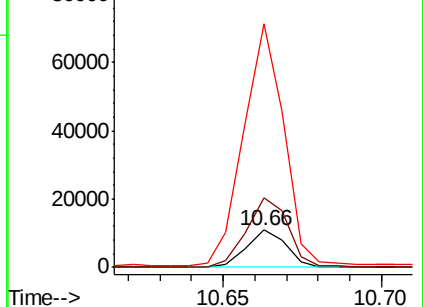
141 650.5 75.9 113.9#



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: 88.191 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

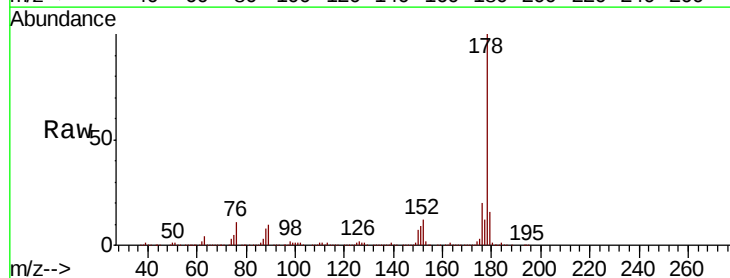
Tgt Ion:178 Resp: 1552153

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.0

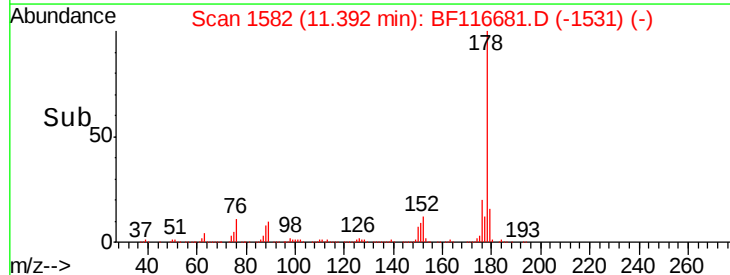
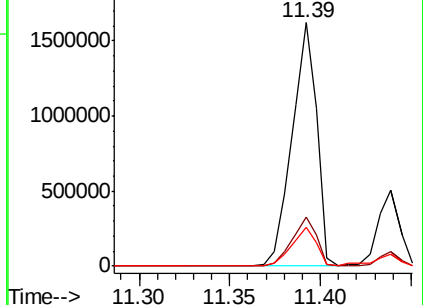
179 15.9 12.2 18.2

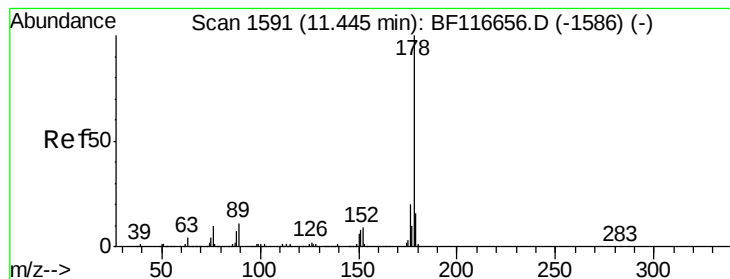


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 22.947 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

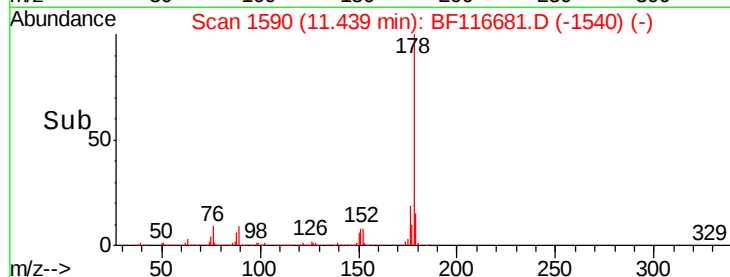
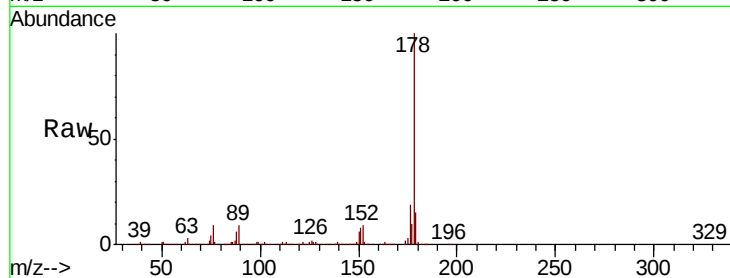
Tot Ion:178 Resp: 406540

Ion Ratio Lower Upper

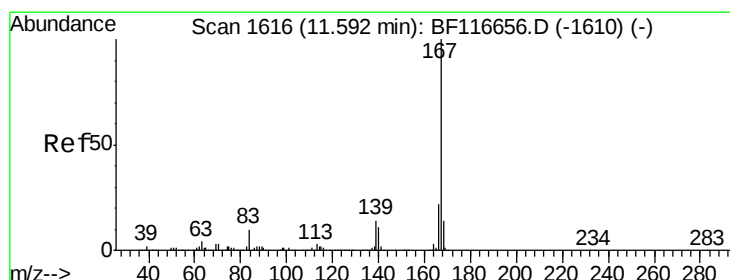
178 100

176 18.7 15.4 23.0

179 15.0 12.5 18.7



Time-->



#73

Carbazole

Concen: 4.663 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

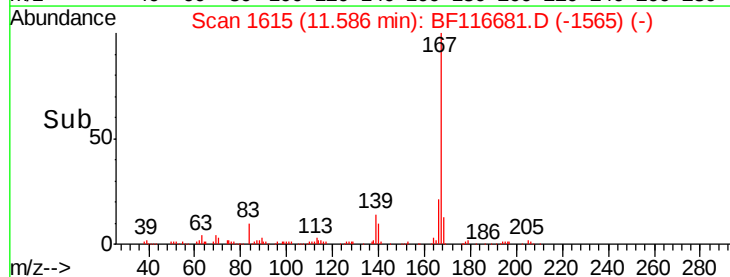
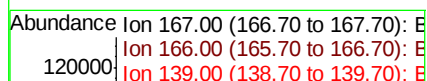
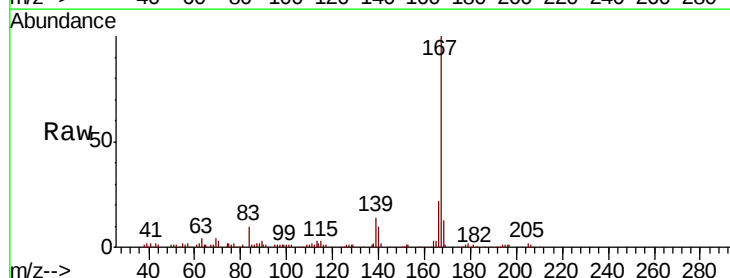
Tgt Ion:167 Resp: 78692

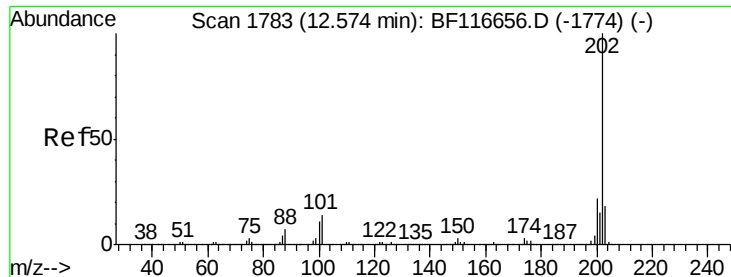
Ion Ratio Lower Upper

167 100

166 21.6 17.8 26.6

139 13.6 11.1 16.7





#75

Fluoranthene

Concen: 91.363 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

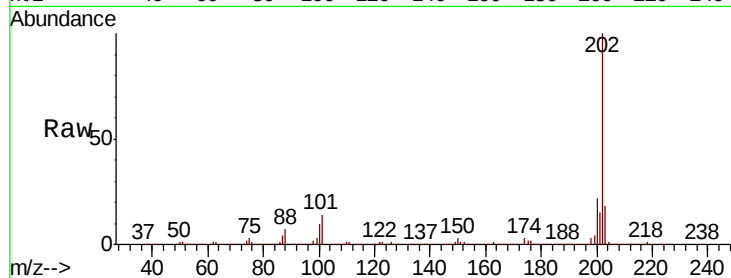
Tot Ion:202 Resp: 1580253

Ion Ratio Lower Upper

202 100

101 13.8 0.0 31.3

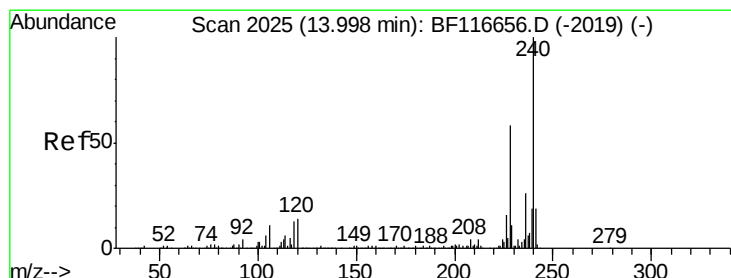
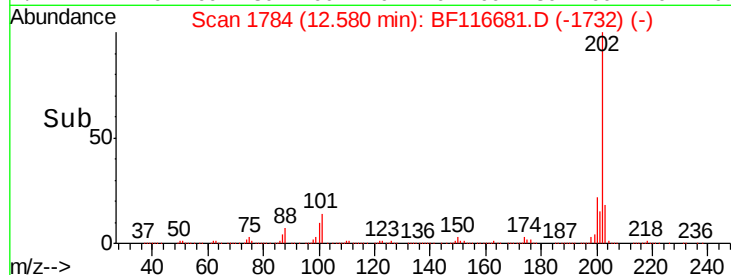
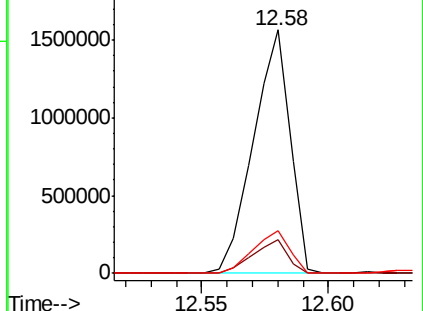
203 17.8 0.0 37.6



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: BF116681.D

Acq: 31 Aug 2019 5:34

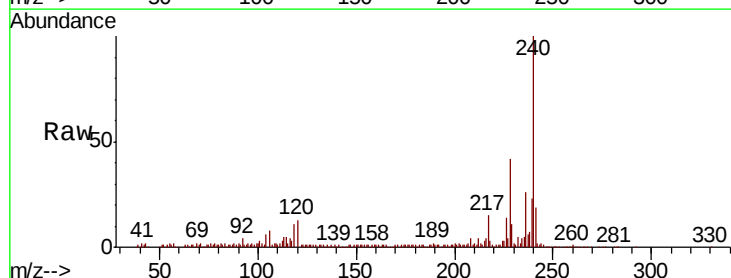
Tgt Ion:240 Resp: 192072

Ion Ratio Lower Upper

240 100

120 12.7 9.1 13.7

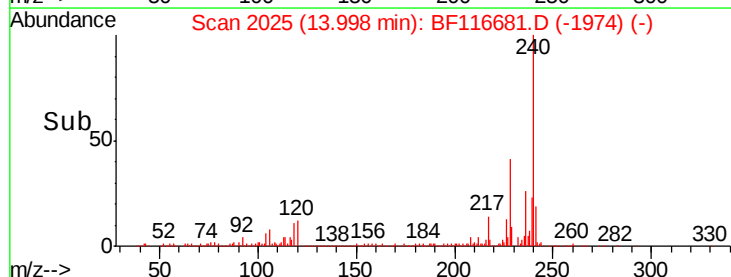
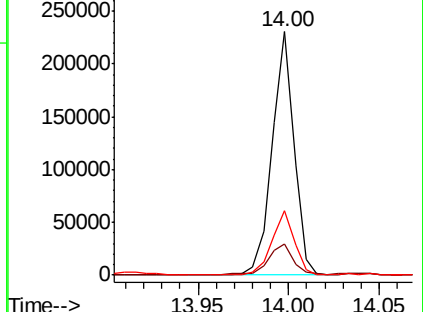
236 26.3 21.1 31.7

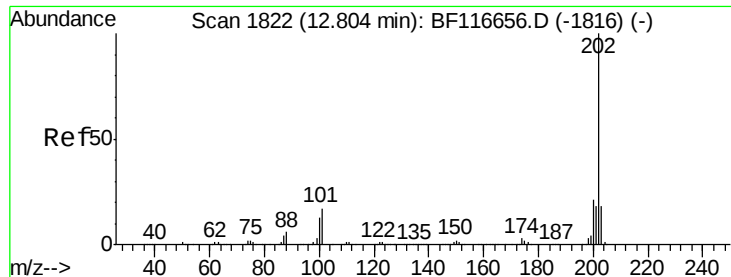


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

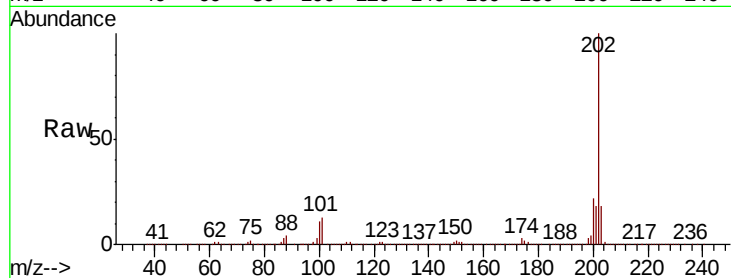




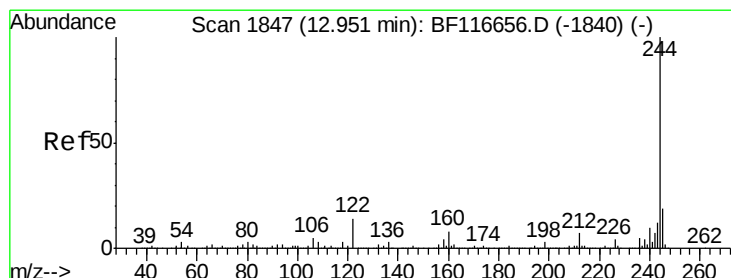
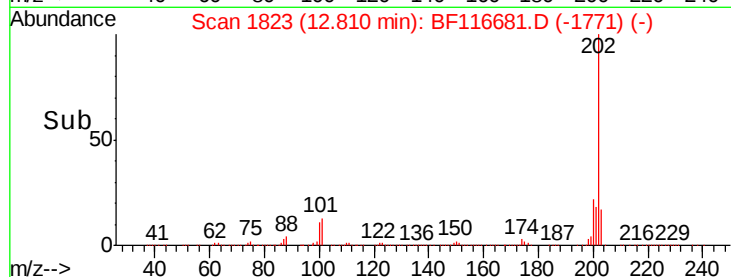
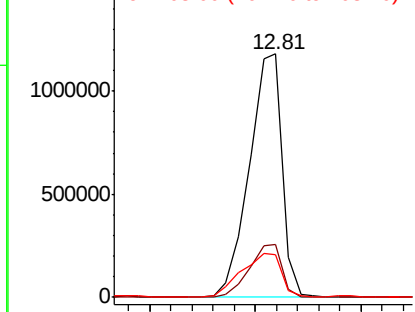
#78
Pvrene
Concen: 74.586 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1273482
Ion Ratio Lower Upper
202 100
200 21.9 16.5 24.7
203 17.6 13.7 20.5

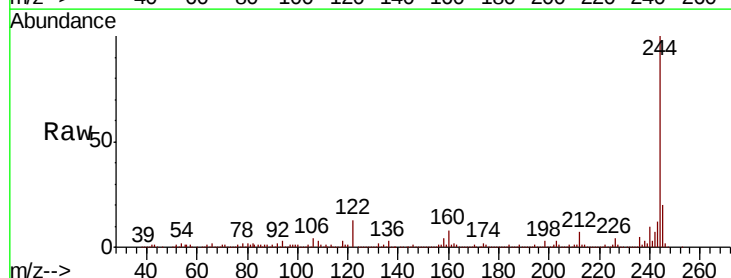


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

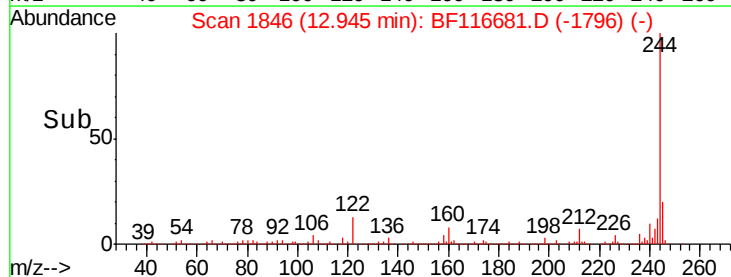
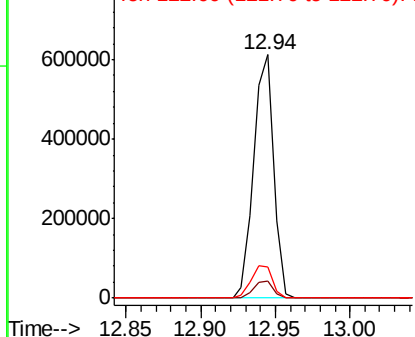


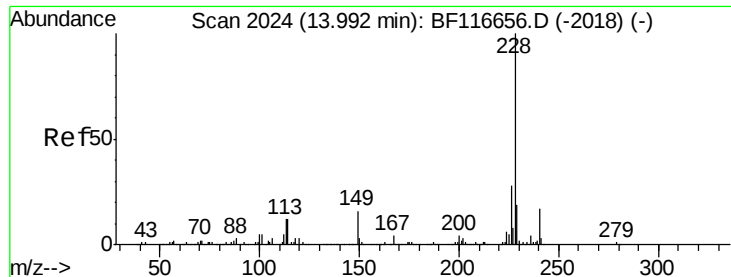
#79
Terphenyl-d14
Concen: 54.307 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion:244 Resp: 563846
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 12.7 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: 46.890 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

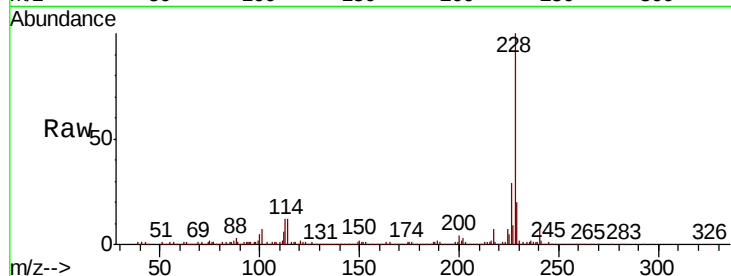
Tot Ion:228 Resp: 570004

Ion Ratio Lower Upper

228 100

226 29.4 22.0 33.0

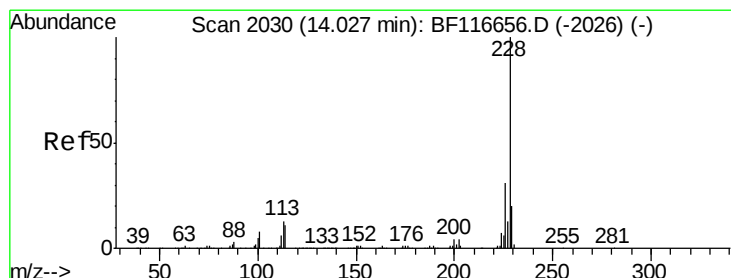
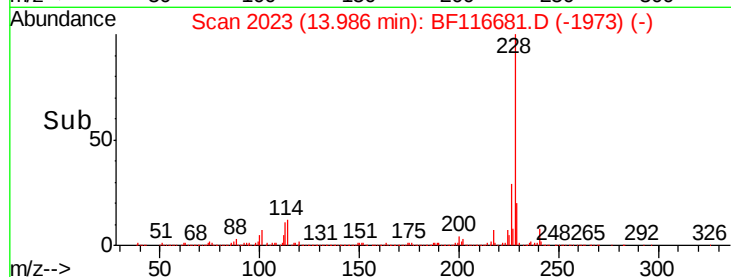
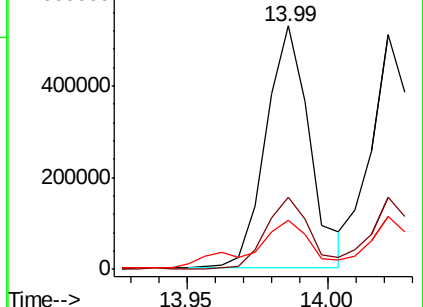
229 20.3 16.4 24.6



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: 38.059 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

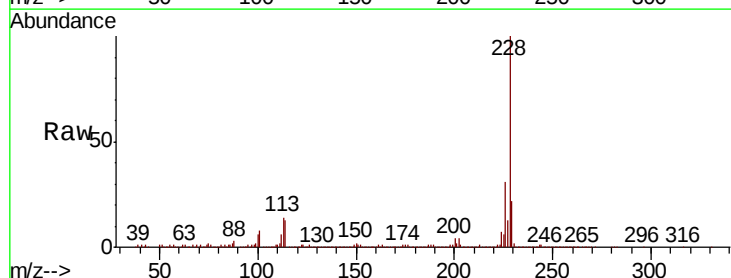
Tgt Ion:228 Resp: 476642

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

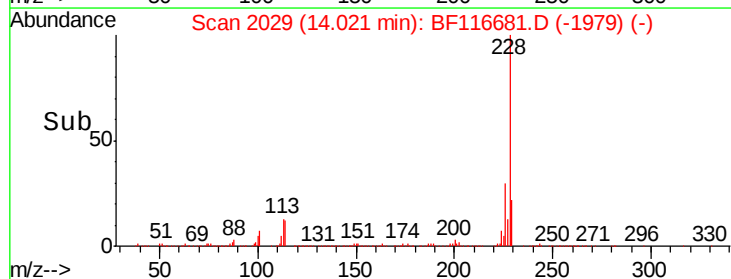
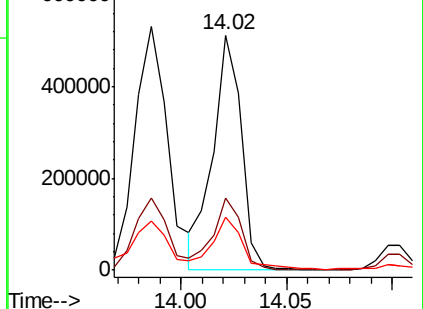
229 22.4 15.4 23.0

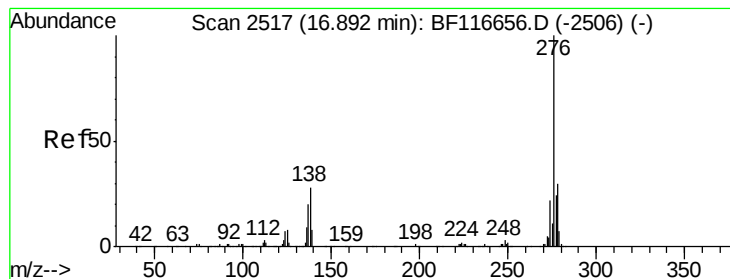


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.003 ng

RT: 16.90 min Scan# 2518

Delta R.T. 0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

ClientSampleId :

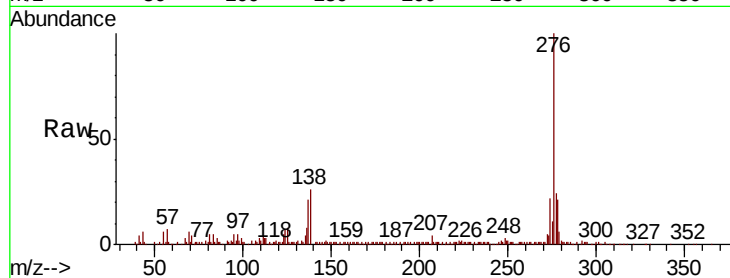
Tot Ion:276 Resp: 221333

Ion Ratio Lower Upper

276 100

138 25.4 19.4 29.2

277 23.7 20.5 30.7

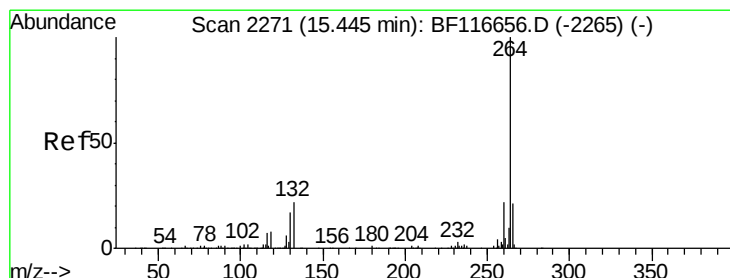
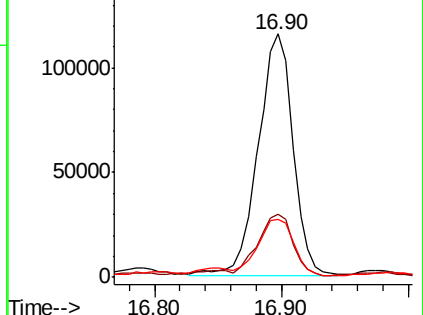
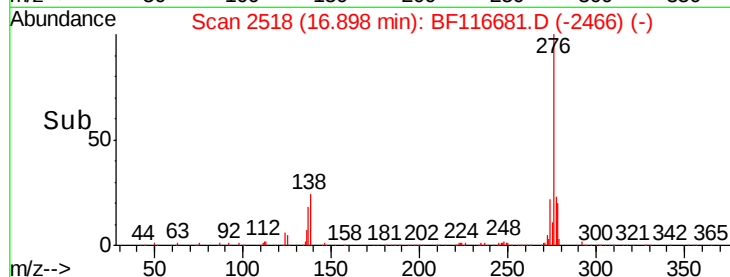


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

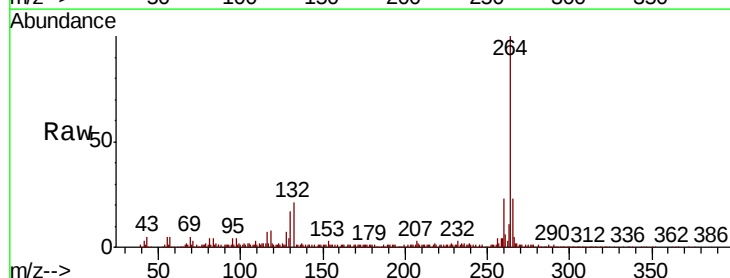
Tgt Ion:264 Resp: 230943

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 23.0 16.5 24.7

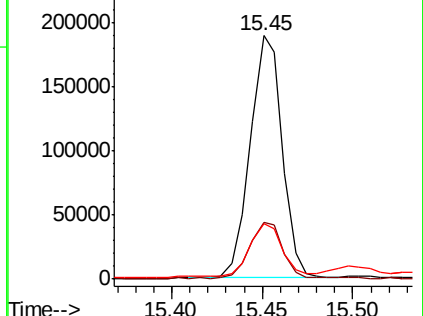
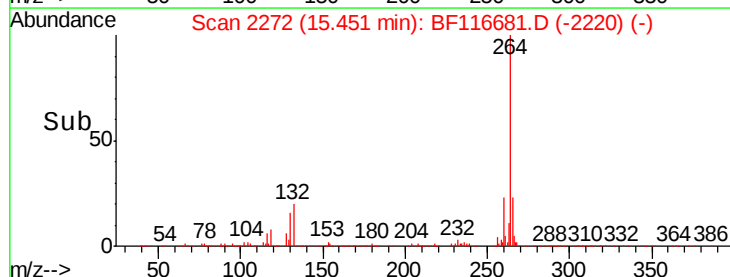


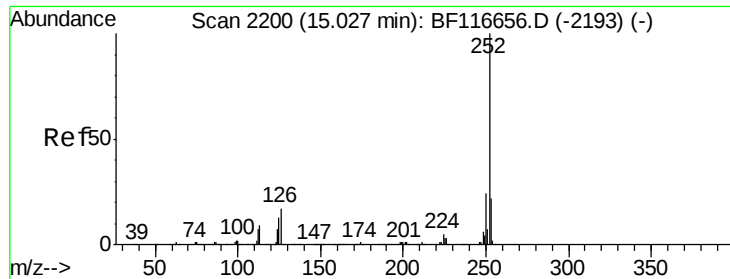
Abundance

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

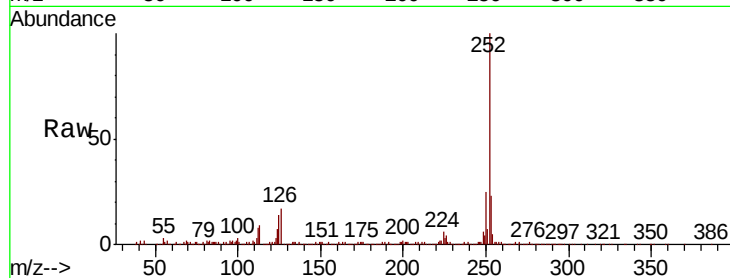




#88
Benzo(b)fluoranthene
Concen: 54.717 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	14.1	8.2	12.2#

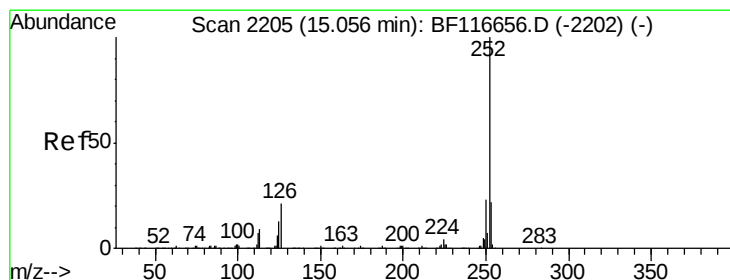
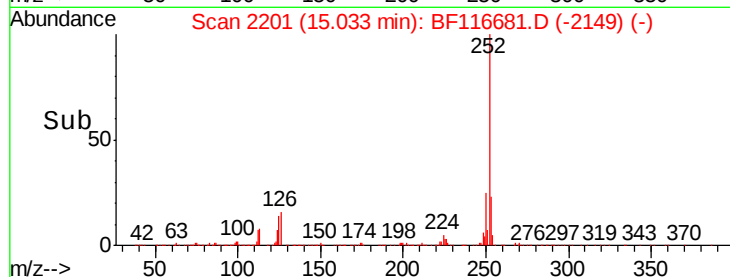
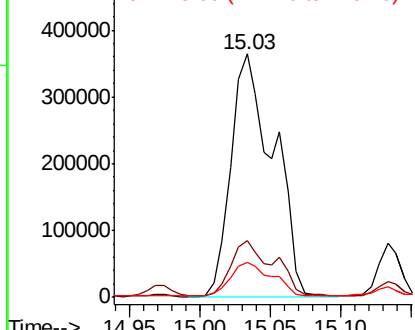


Abundance

Ion 252.00 (251.70 to 252.70): E

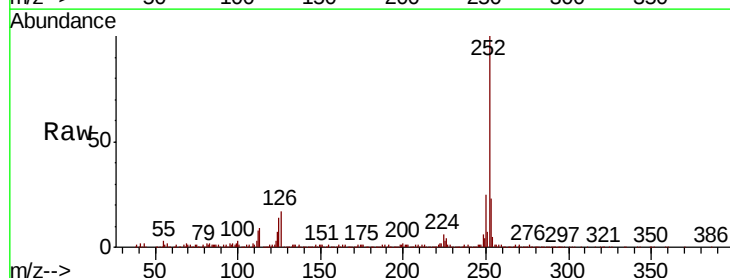
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 60.011 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	14.1	8.6	13.0#

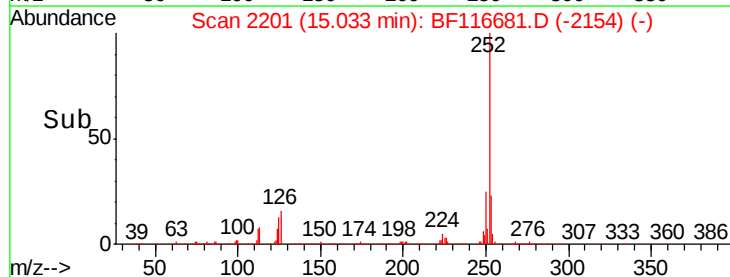
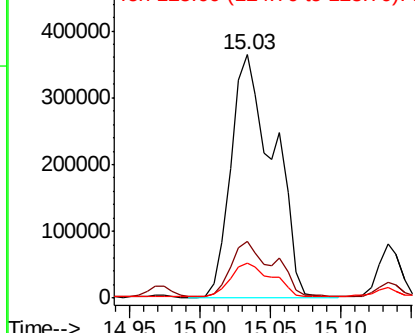


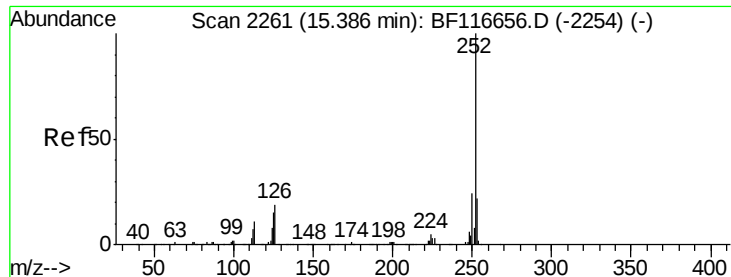
Abundance

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

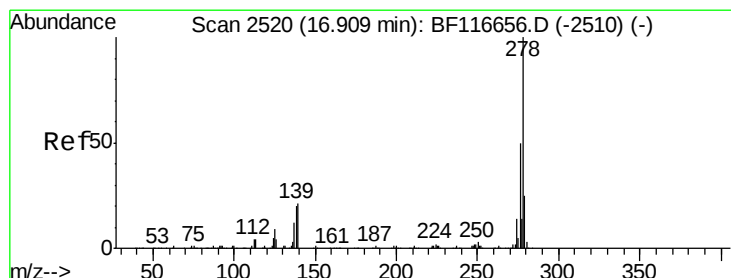
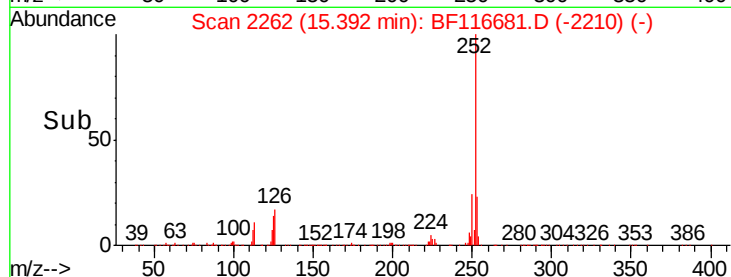
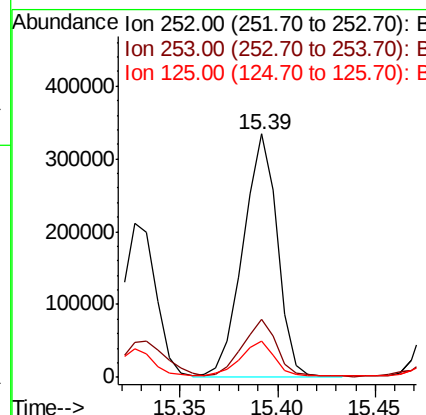
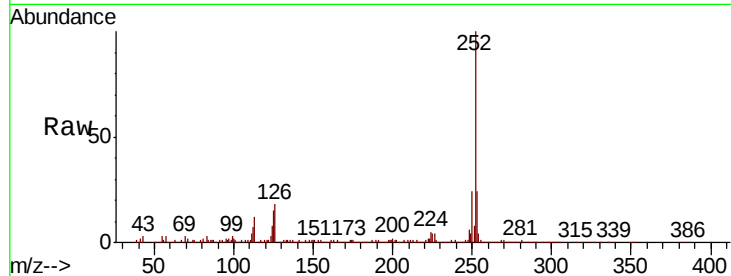




#90
Benzo(a)pyrene
Concen: 33.202 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

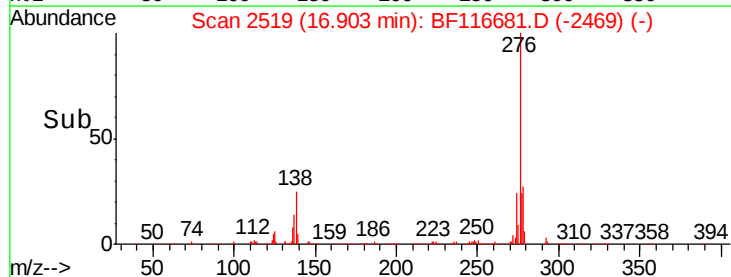
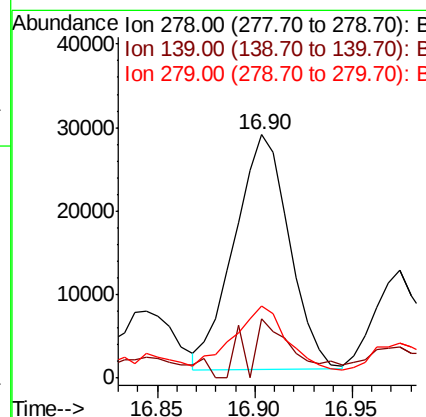
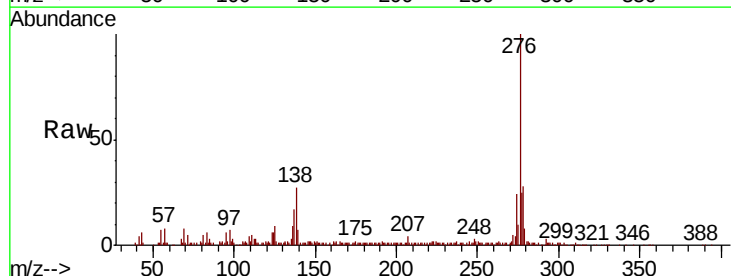
Instrument :
BNA_F
ClientSampled :

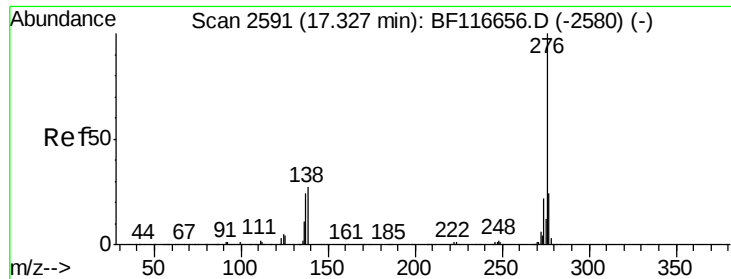
Tot Ion:252 Resp: 403319
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 14.7 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 5.138 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion:278 Resp: 54631
Ion Ratio Lower Upper
278 100
139 24.6 12.4 18.6#
279 29.9 18.2 27.4#





#92
 Benzo(a,h,i)perylene
 Concen: 16.594 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.5	27.7
138	24.4	16.2	24.2

