

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116679.D
 Acq On : 31 Aug 2019 4:40
 Operator : HP/JU
 Sample : K4517-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:37:48 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	111384	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	438410	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	223609	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	335431	20.00	ng	0.00
76) Chrysene-d12	13.99	240	224580	20.00	ng	0.00
87) Perylene-d12	15.44	264	258290	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	831702	120.97	ng	0.00
7) Phenol-d6	6.48	99	1149585	127.33	ng	0.00
23) Nitrobenzene-d5	7.40	82	739338	96.27	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	197501	132.12	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1098081	82.84	ng	0.00
79) Terphenyl-d14	12.95	244	945333	77.87	ng	0.00

Target Compounds

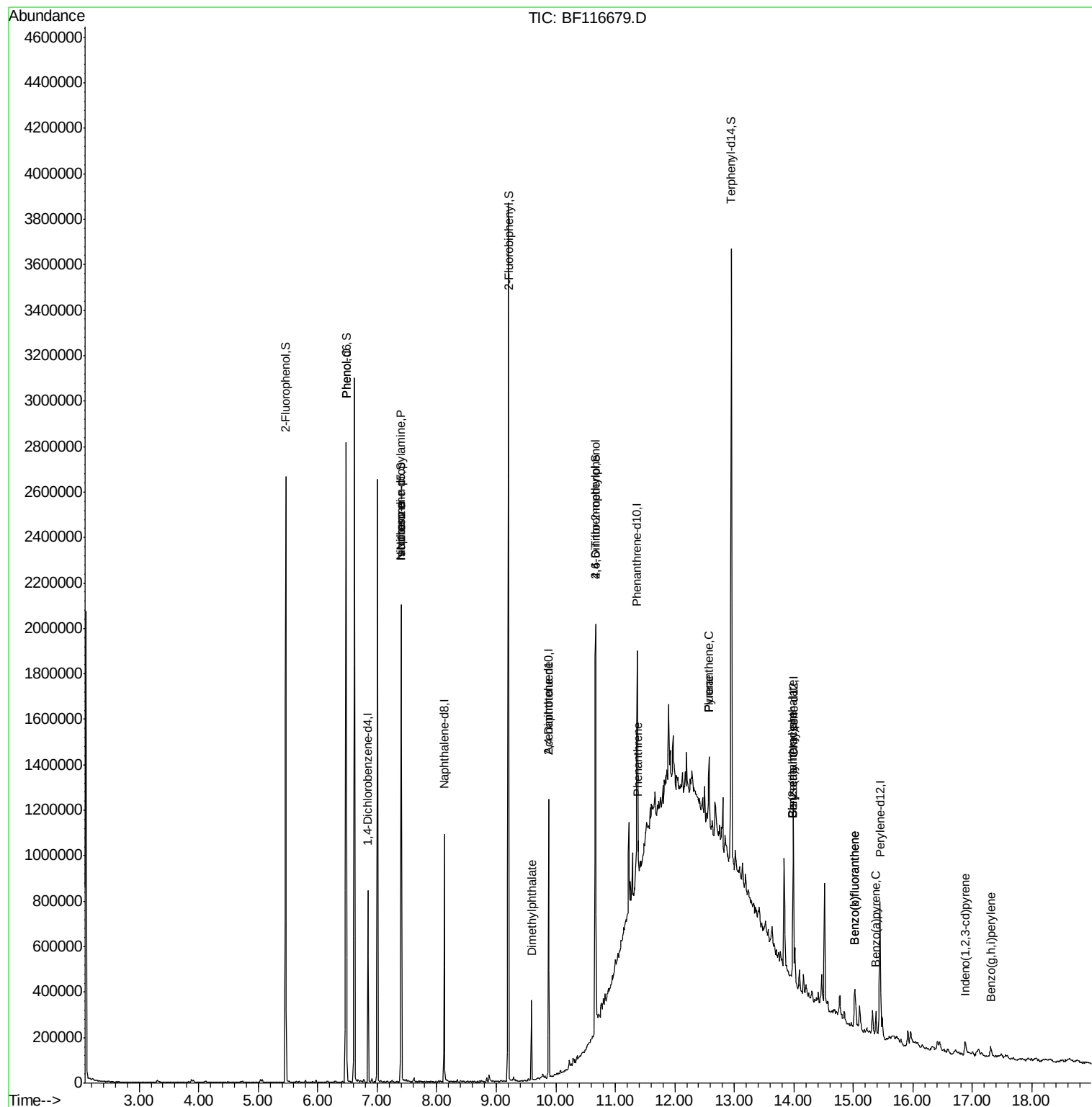
						Qvalue
10) Phenol	6.49	94	42004	4.202	ng	94
19) n-Nitroso-di-n-propylamine	7.40	70	99122	16.675	ng	# 73
25) Isophorone	7.40	82	739447	47.517	ng	# 66
50) Dimethylphthalate	9.59	163	121633	7.879	ng	98
57) 2,4-Dinitrotoluene	9.88	165	28138	7.813	ng	# 22
65) 4,6-Dinitro-2-methylphenol	10.66	198	399	7.724	ng	# 1
71) Phenanthrene	11.39	178	42200	2.260	ng	# 87
75) Fluoranthene	12.57	202	107520	5.859	ng	96
78) Pyrene	12.57	202	107520	5.386	ng	96
81) Benzo(a)anthracene	13.98	228	38172	2.686	ng	97
83) Chrysene	13.98	228	38172	2.607	ng	98
84) Bis(2-ethylhexyl)phthalate	13.98	149	47532	3.966	ng	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	33501	2.848	ng	# 91
88) Benzo(b)fluoranthene	15.02	252	101093	6.474	ng	# 94
89) Benzo(k)fluoranthene	15.02	252	101093	7.100	ng	# 95
90) Benzo(a)pyrene	15.38	252	44872	3.303	ng	# 91
92) Benzo(a,h,i)perylene	17.31	276	32553	2.684	ng	# 93

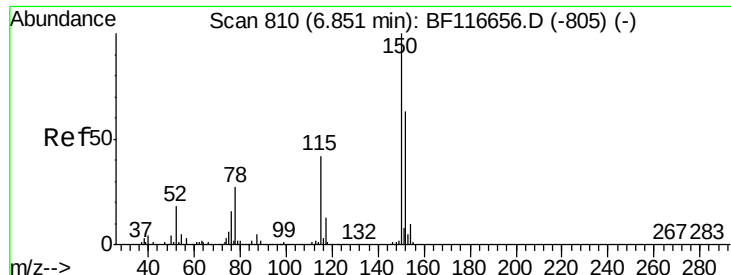
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116679.D
Acq On : 31 Aug 2019 4:40
Operator : HP/JU
Sample : K4517-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 31 06:37:48 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



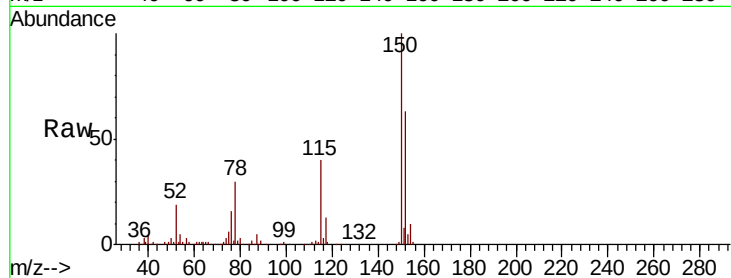


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.4	186.6
115	63.9	49.9	74.9

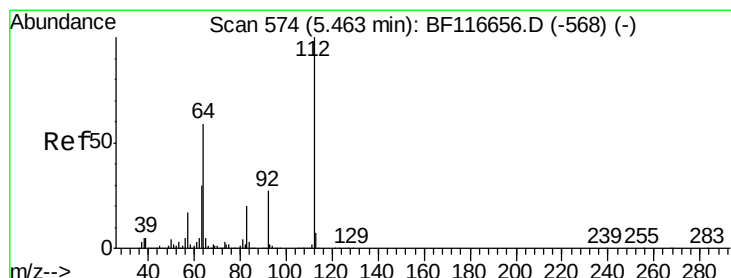
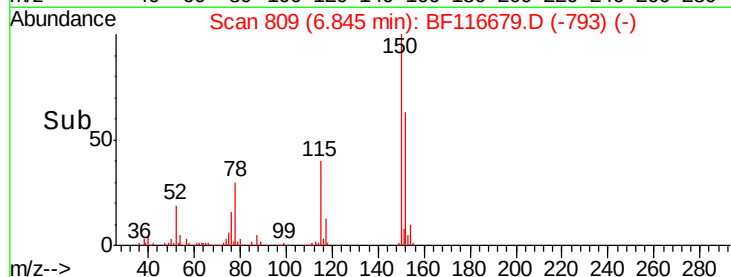
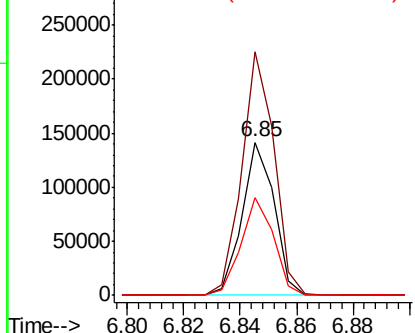


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

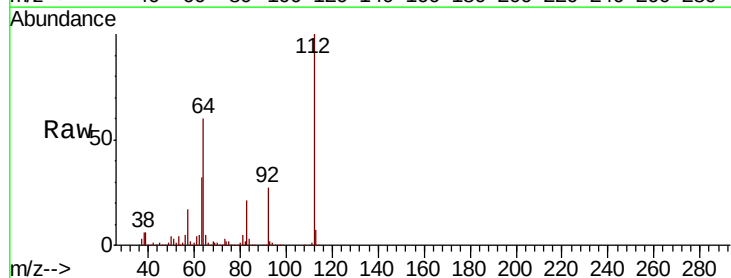
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.969 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.1	70.7
63	31.6	24.9	37.3

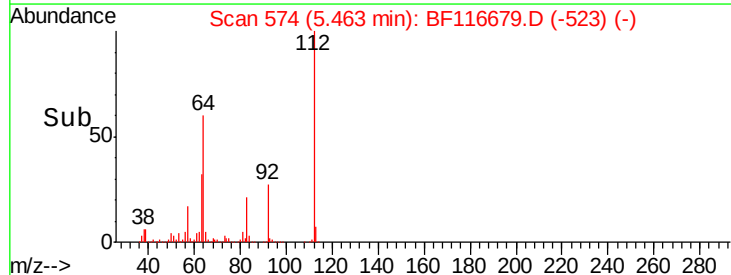
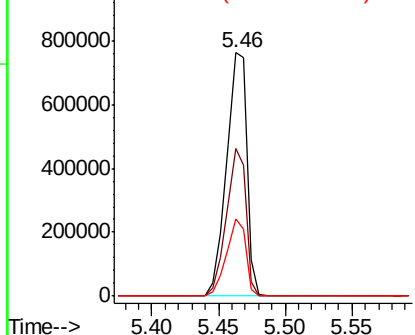


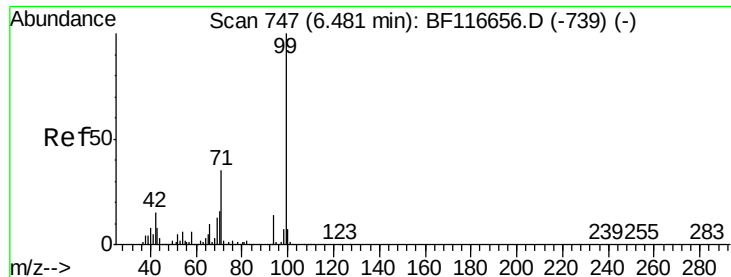
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 127.335 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

ClientSampleId :

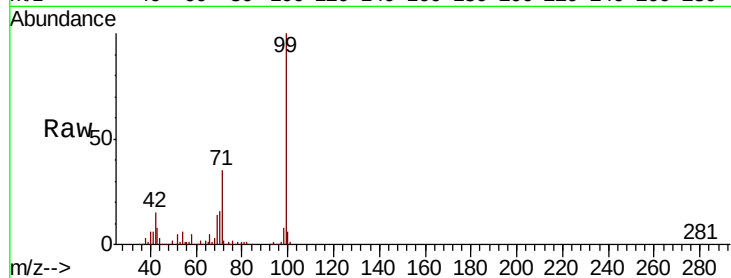
Tot Ion: 99 Resp: 1149585

Ion Ratio Lower Upper

99 100

42 15.2 13.7 20.5

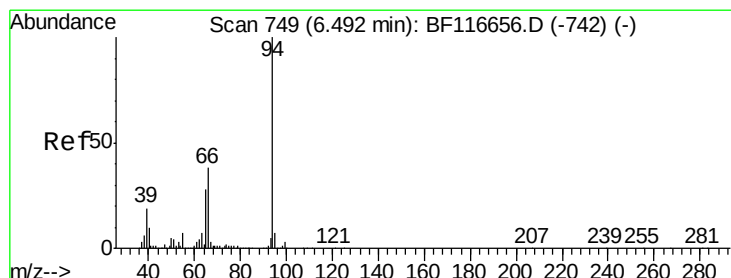
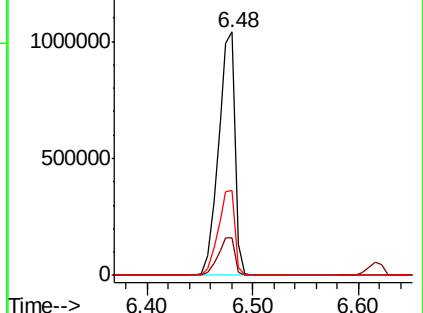
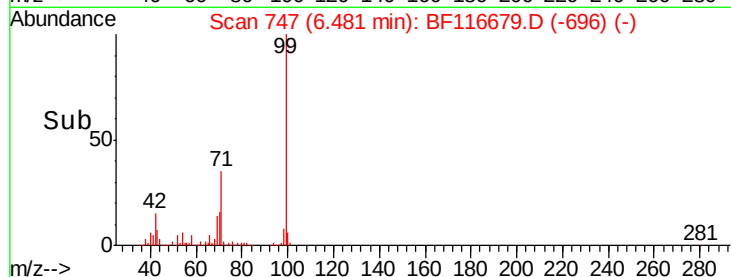
71 35.1 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.202 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

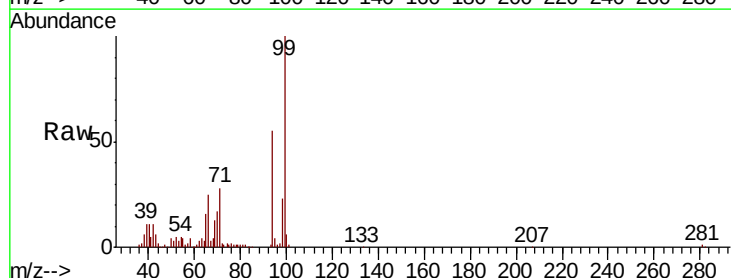
Tgt Ion: 94 Resp: 42004

Ion Ratio Lower Upper

94 100

65 28.2 10.8 50.8

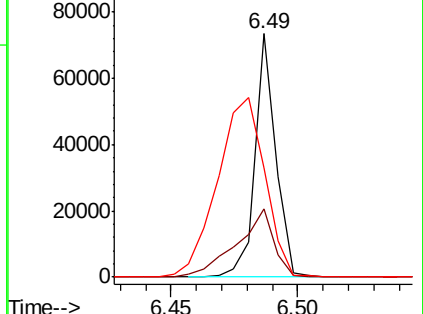
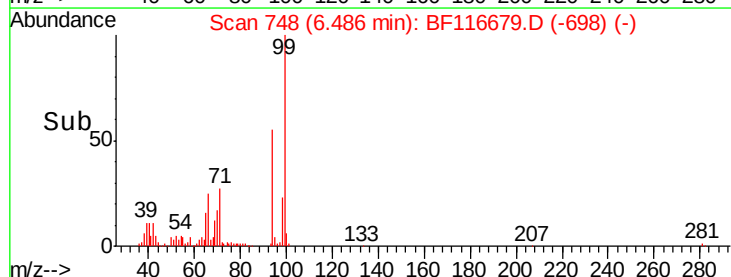
66 44.9 21.1 61.1

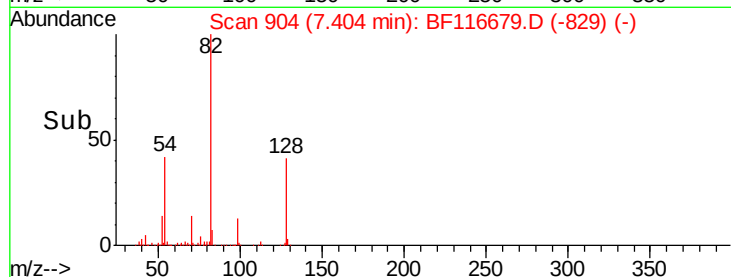
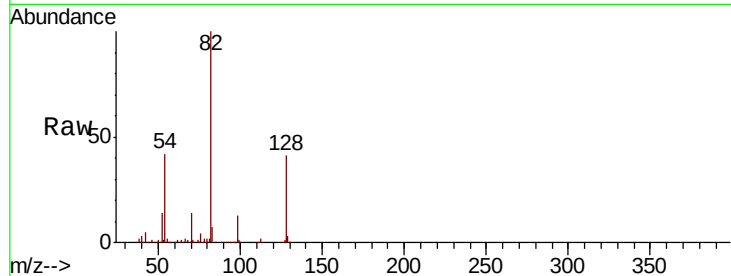
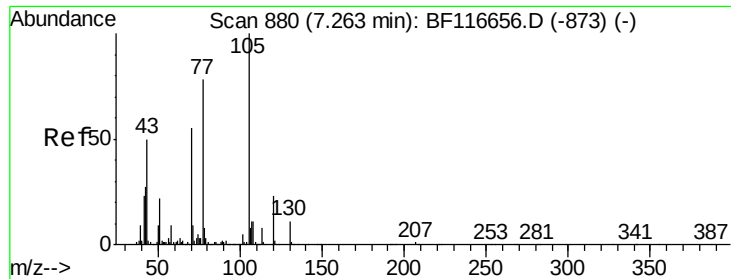


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

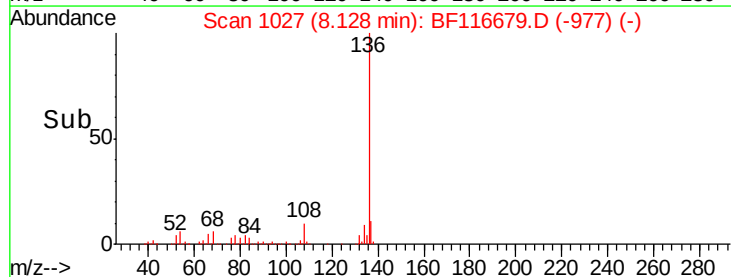
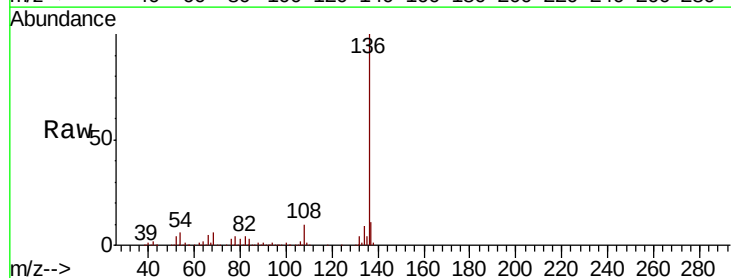
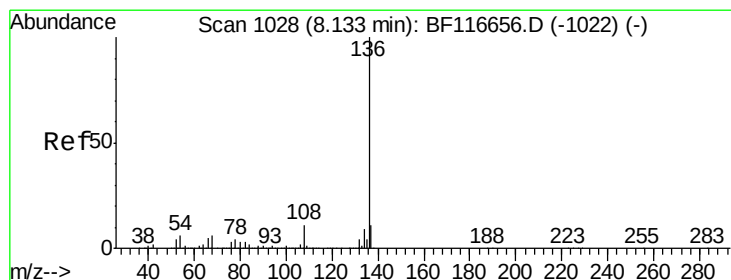
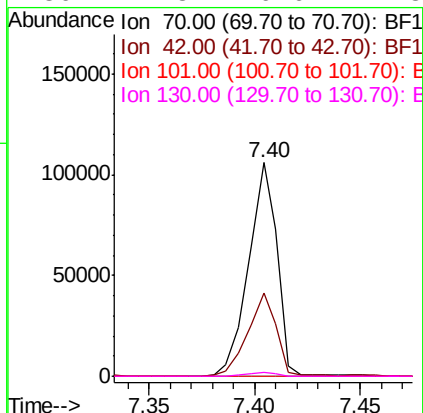




#19
n-Nitroso-di-n-propylamine
Concen: 16.675 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

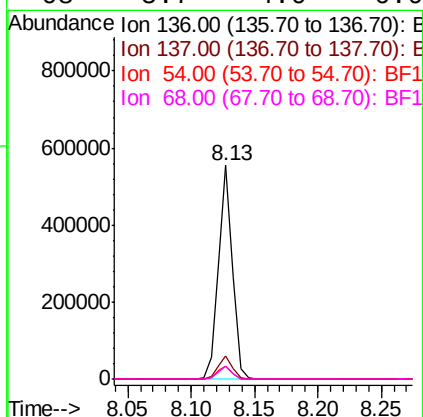
Instrument :
BNA_F
ClientSampleId :

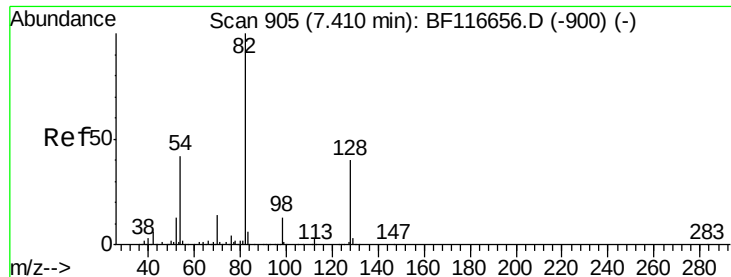
Tot Ion:	70	Resp:	99122
Ion	Ratio	Lower	Upper
70	100		
42	38.9	43.5	65.3#
101	0.0	7.8	11.6#
130	1.8	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion:	136	Resp:	438410
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.0	4.8	7.2
68	5.7	4.0	6.0





#23

Nitrobenzene-d5

Concen: 96.273 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

ClientSampleId :

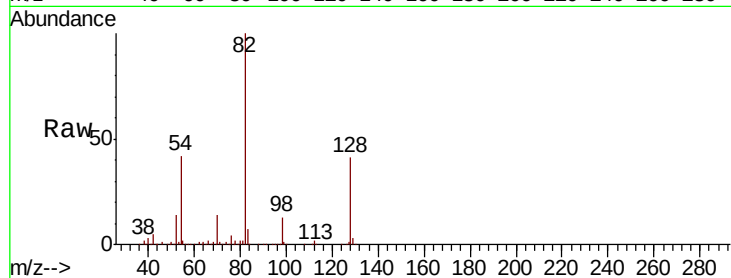
Tot Ion: 82 Resp: 739338

Ion Ratio Lower Upper

82 100

128 40.7 32.8 49.2

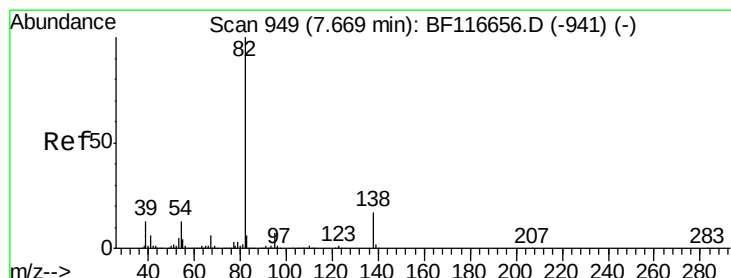
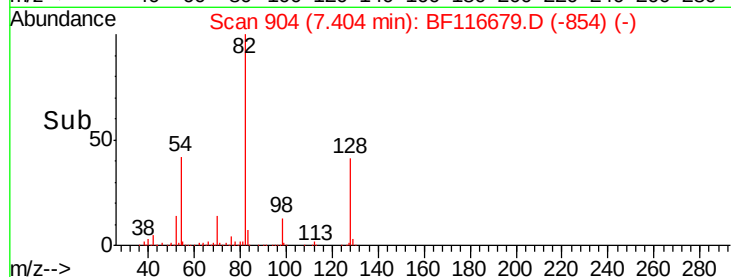
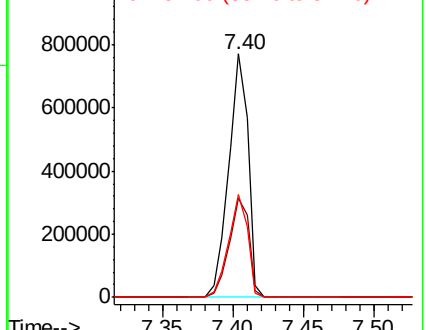
54 42.3 36.9 55.3



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: 47.517 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

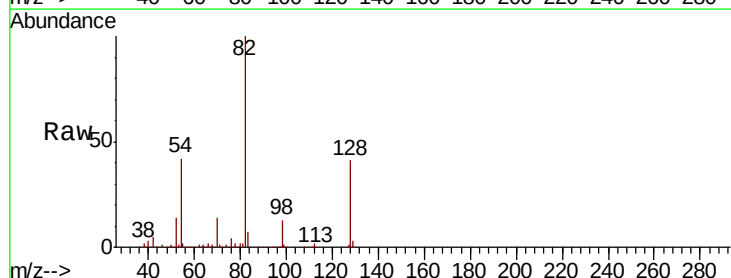
Tgt Ion: 82 Resp: 739447

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

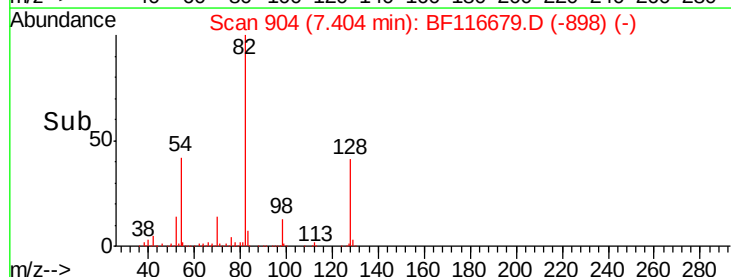
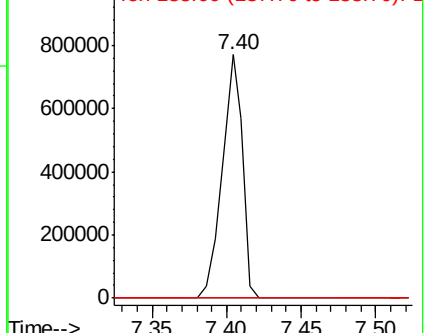
138 0.0 13.5 20.3#

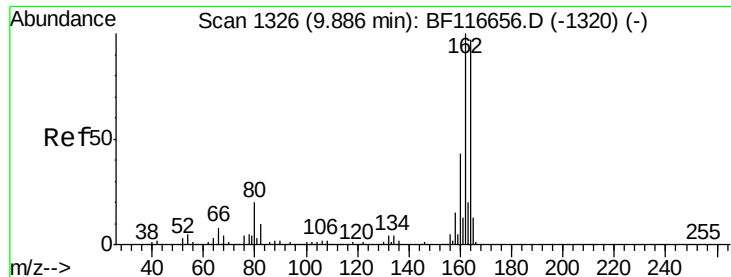


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

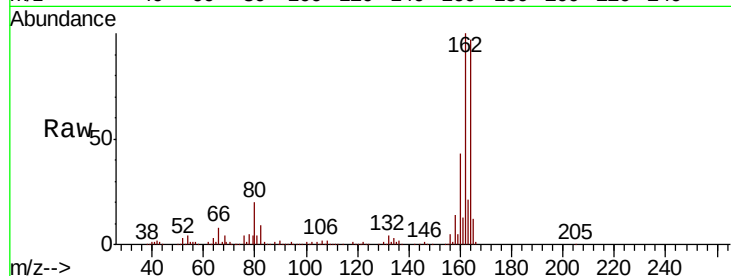




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.4	122.0
160	44.3	35.4	53.2

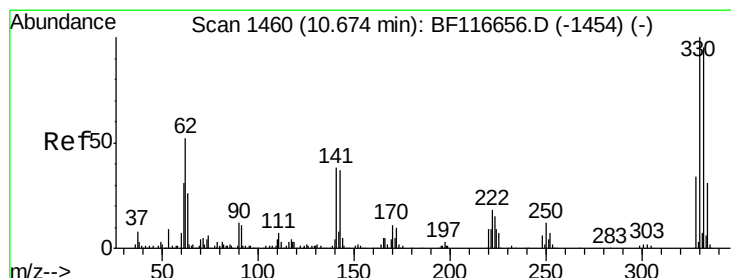
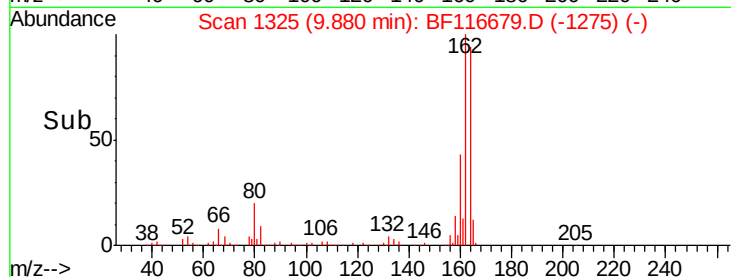
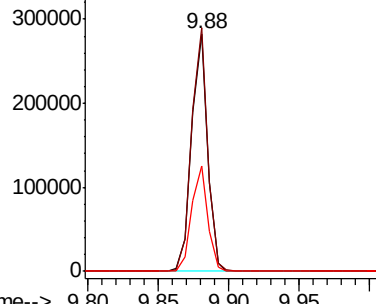


Abundance

Ion 164.00 (163.70 to 164.70): E

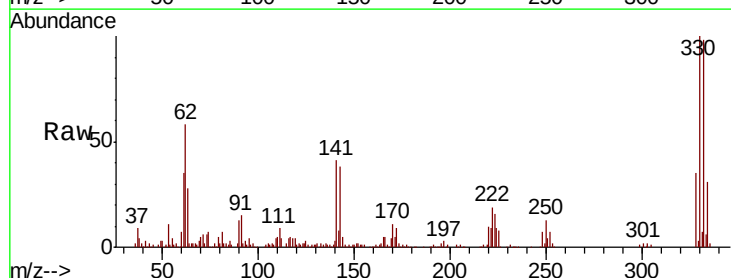
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 132.119 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.9	115.3
141	45.7	31.4	47.2

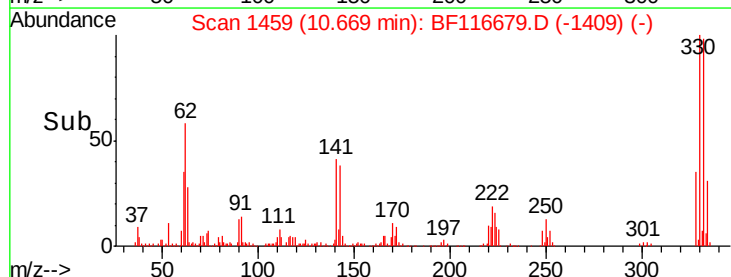
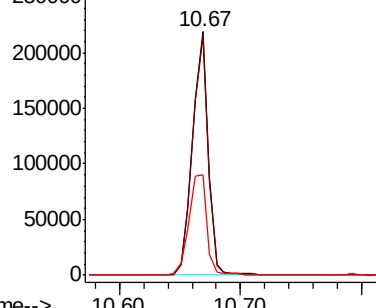


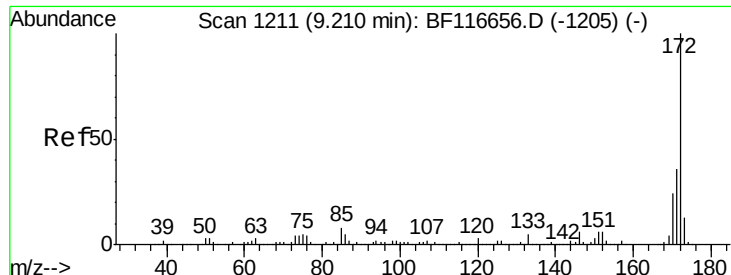
Abundance

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

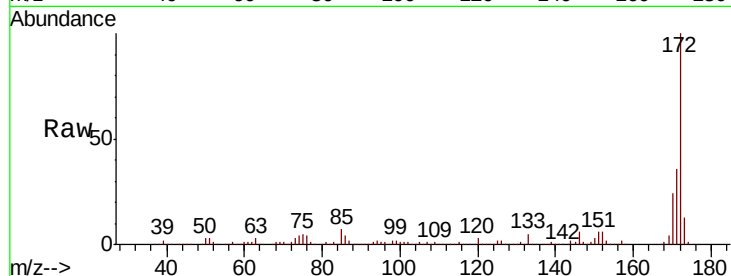




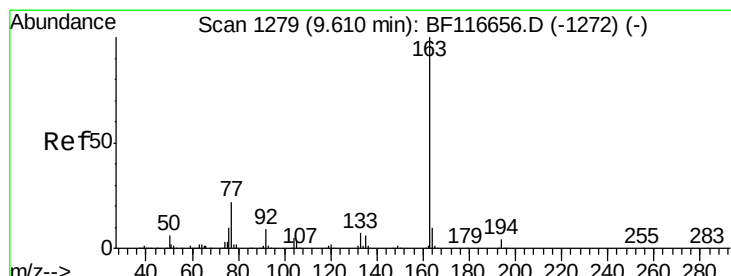
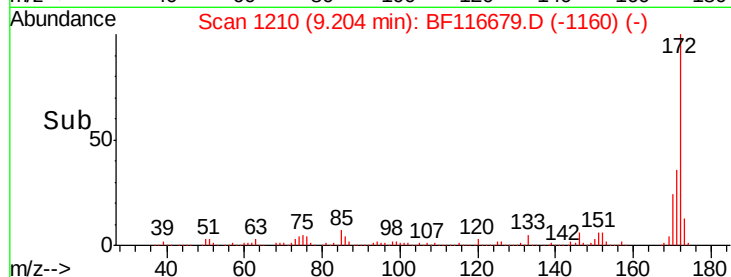
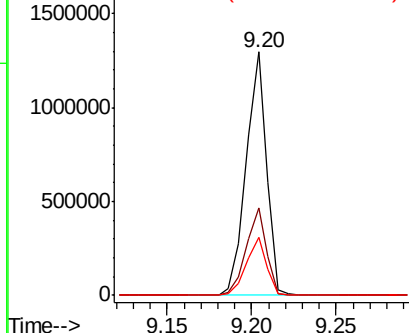
#45
2-Fluorobiphenyl
Concen: 82.839 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1098081
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 23.9 18.9 28.3

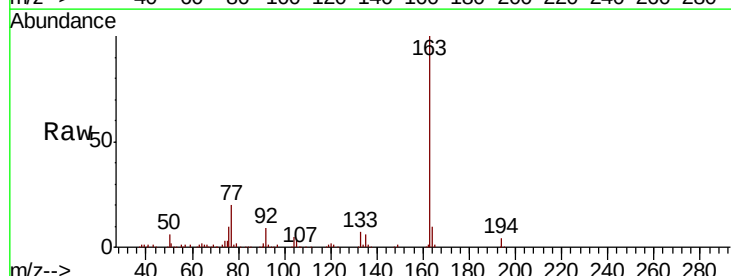


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

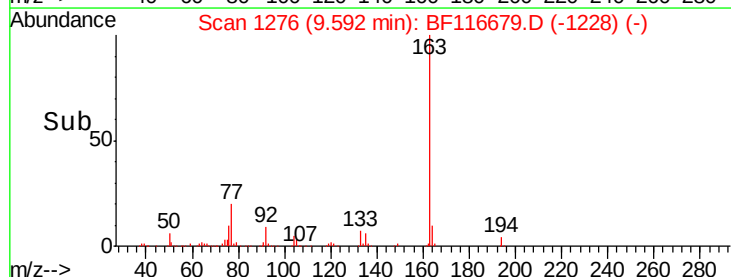
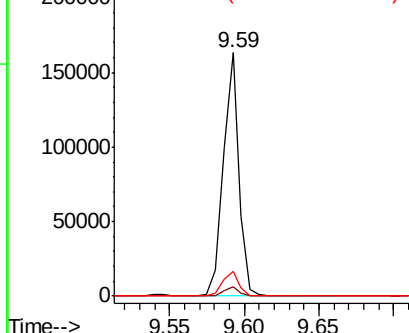


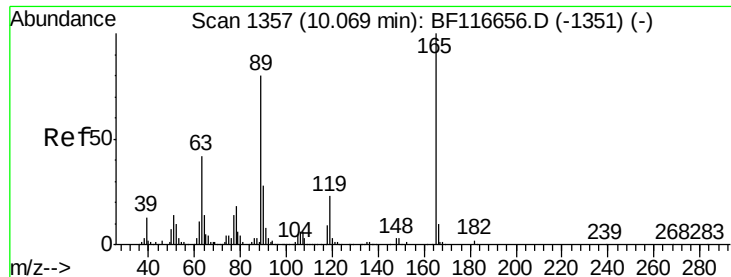
#50
Dimethylphthalate
Concen: 7.879 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion:163 Resp: 121633
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.9 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

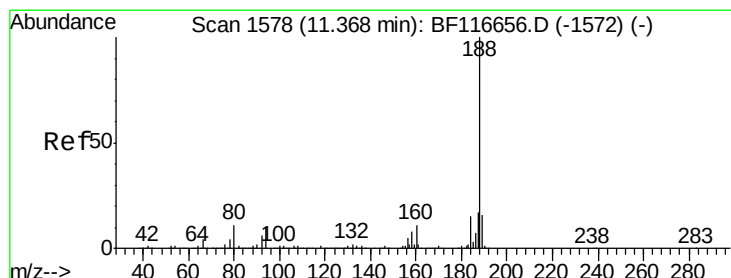
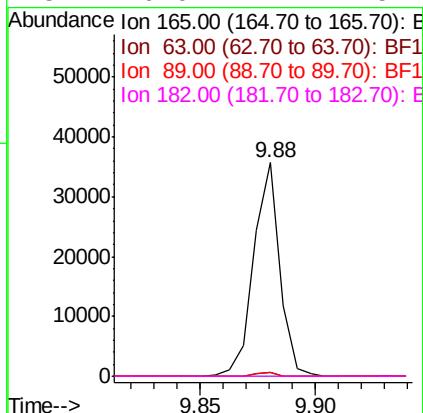
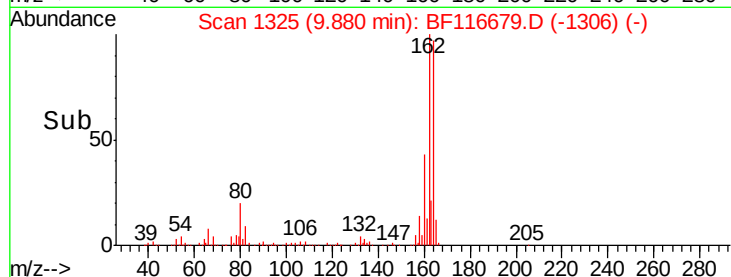
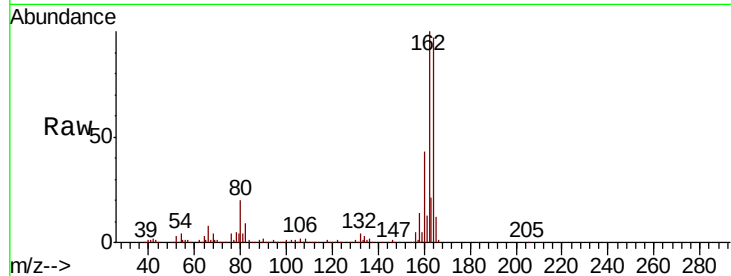




#57
 2,4-Dinitrotoluene
 Concen: 7.813 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116679.D
 Acq: 31 Aug 2019 4:40

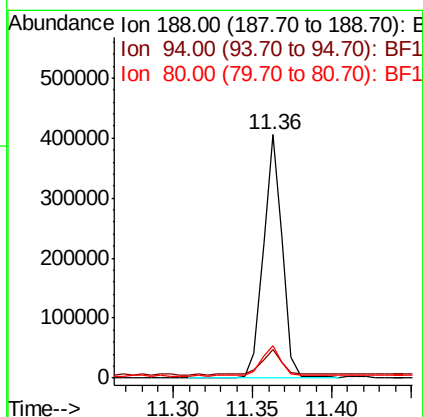
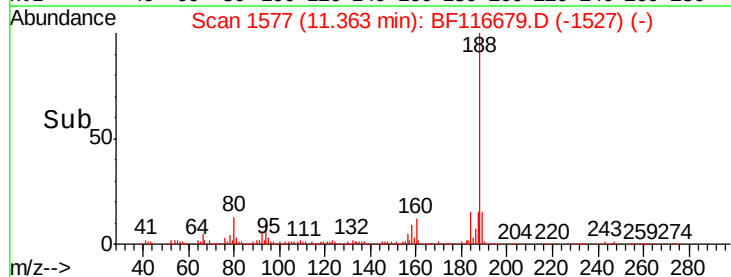
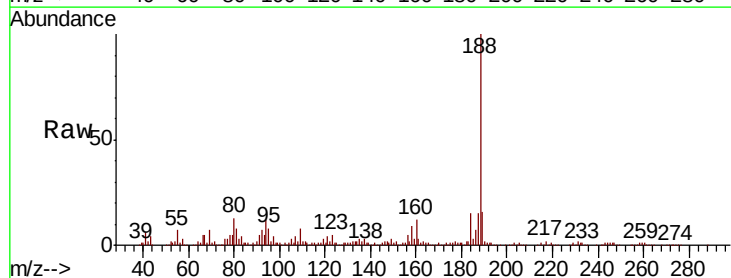
Instrument :
 BNA_F
 ClientSampled :

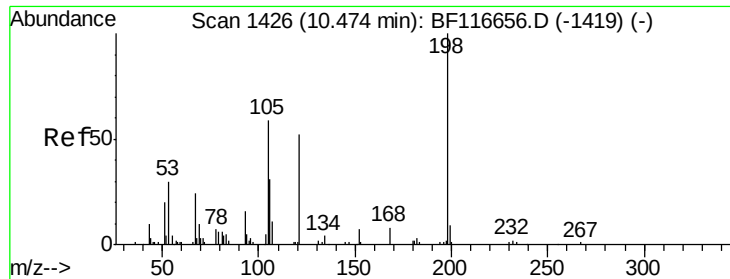
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	2.0	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116679.D
 Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	7.3	10.9#
80	13.4	8.4	12.6#

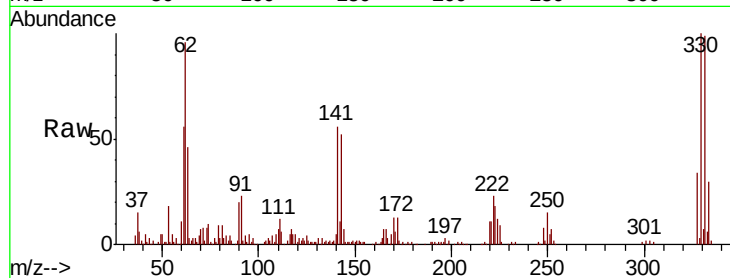




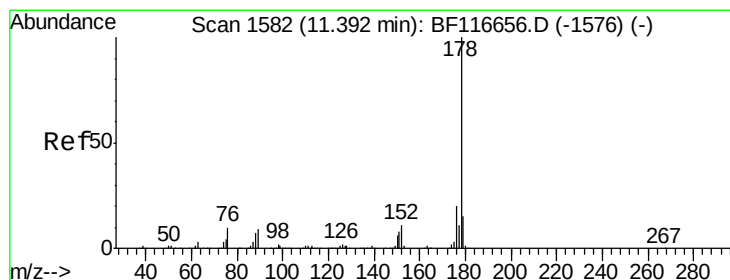
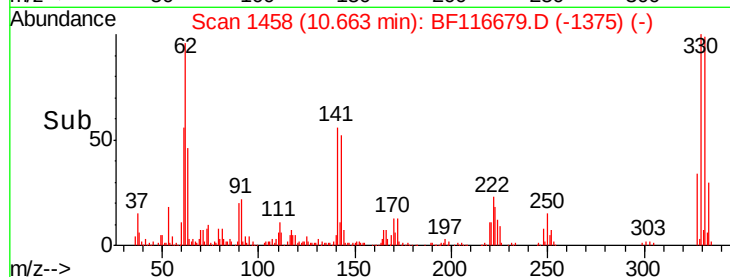
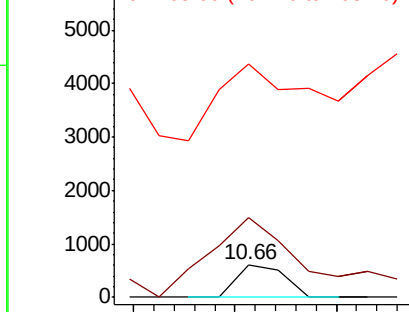
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.724 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.19 min
 Lab File: BF116679.D
 Acq: 31 Aug 2019 4:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 399
 Ion Ratio Lower Upper
 198 100
 51 244.7 18.4 58.4#
 105 710.9 22.9 62.9#

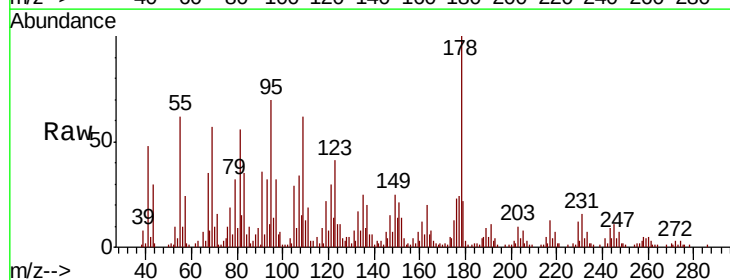


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

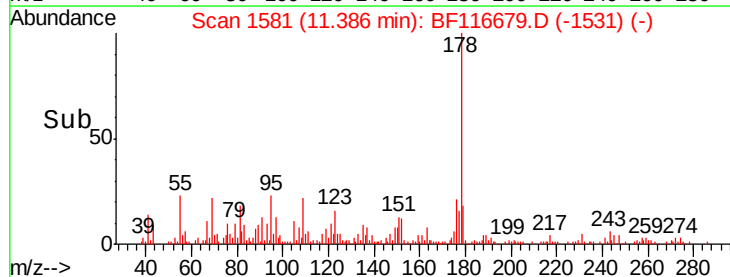
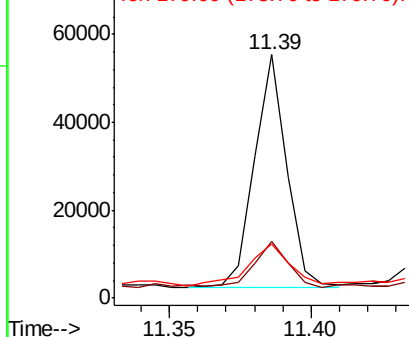


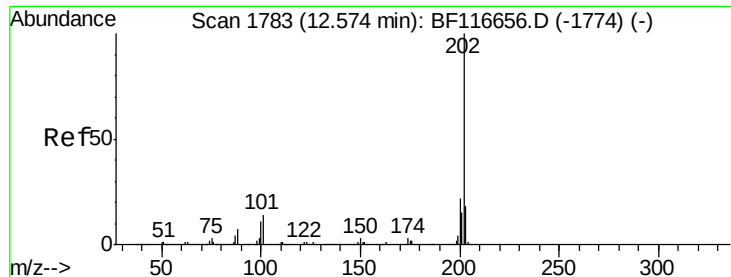
#71
 Phenanthrene
 Concen: 2.260 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116679.D
 Acq: 31 Aug 2019 4:40

Tgt Ion:178 Resp: 42200
 Ion Ratio Lower Upper
 178 100
 176 23.5 15.4 23.0#
 179 22.5 12.2 18.2#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.859 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

ClientSampleId :

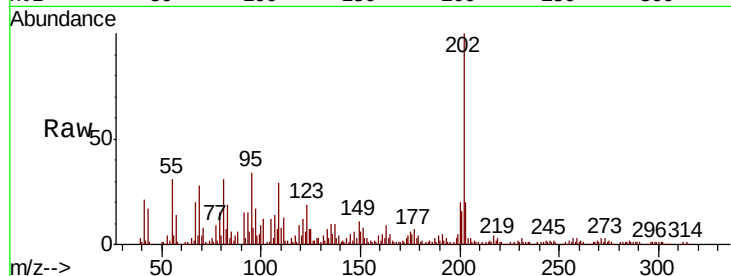
Tot Ion:202 Resp: 107520

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.3

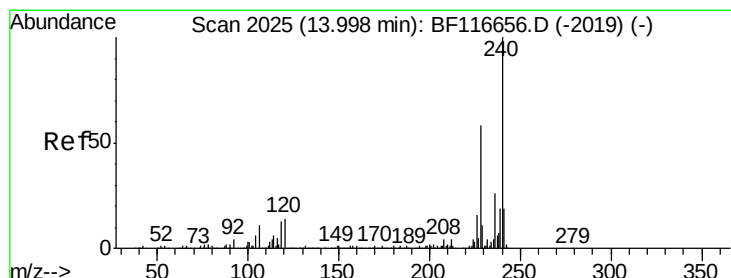
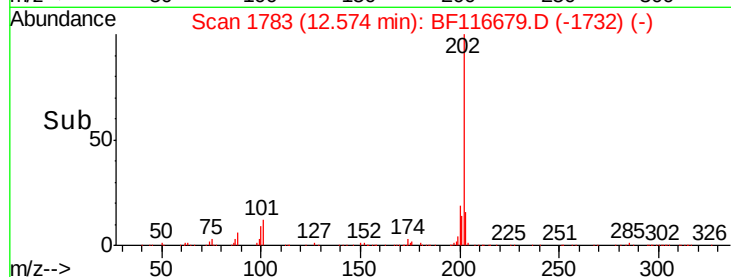
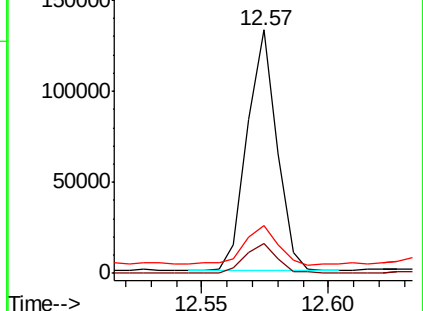
203 19.9 0.0 37.6



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

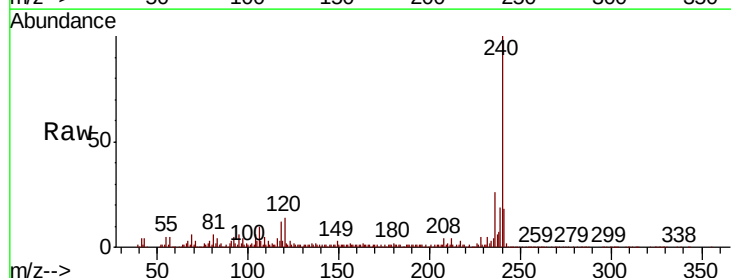
Tgt Ion:240 Resp: 224580

Ion Ratio Lower Upper

240 100

120 13.6 9.1 13.7

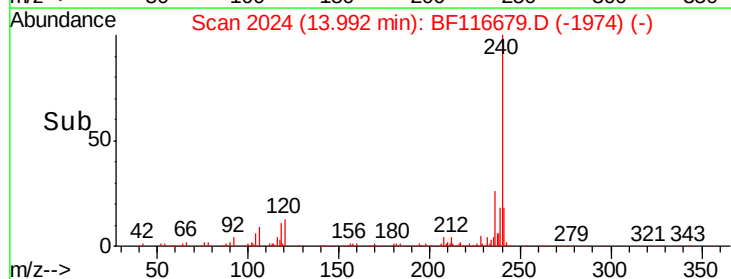
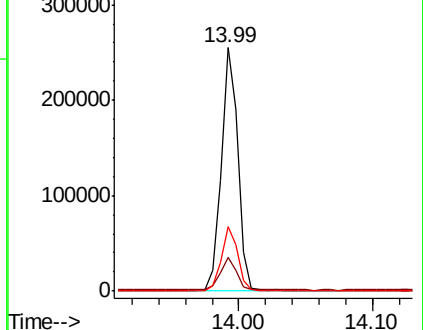
236 26.2 21.1 31.7

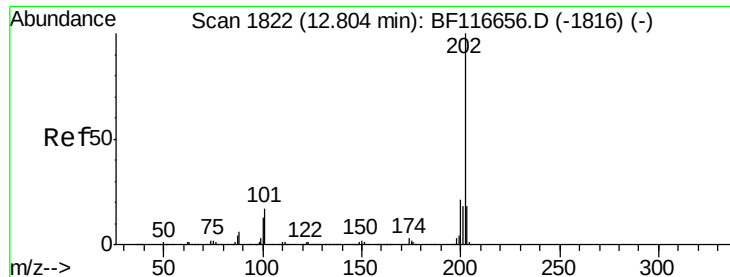


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

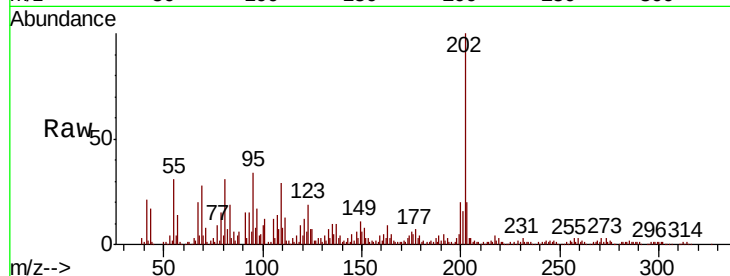




#78
Pvrene
Concen: 5.386 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.23 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.5	24.7
203	19.9	13.7	20.5

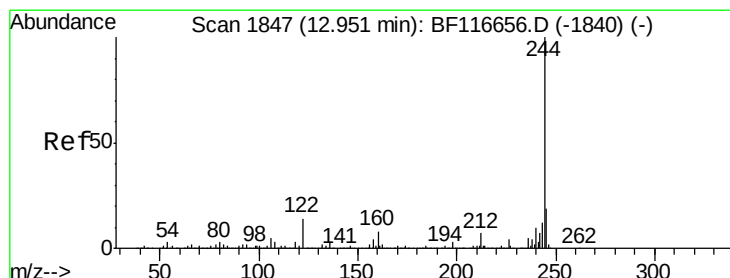
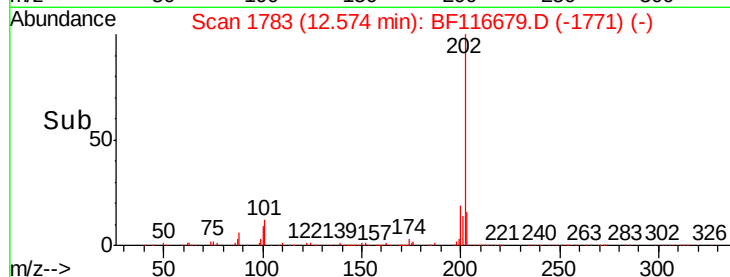
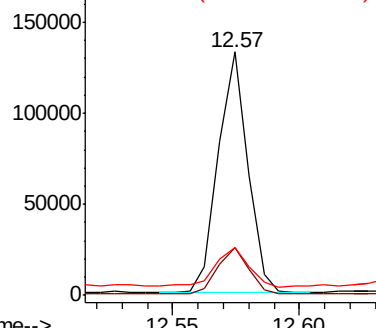


Abundance

Ion 202.00 (201.70 to 202.70): E

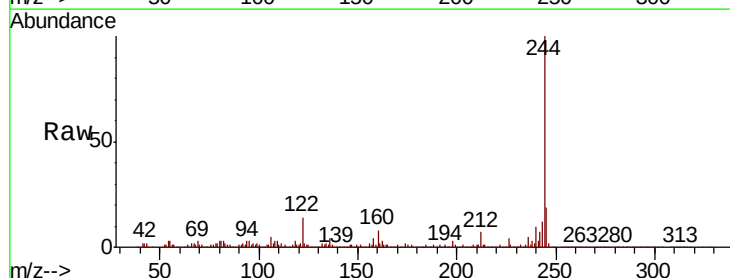
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 77.870 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	13.9	10.2	15.4

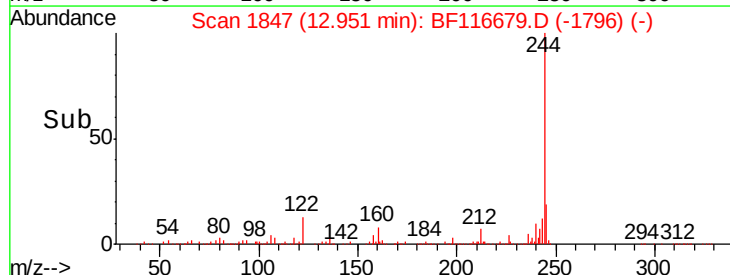
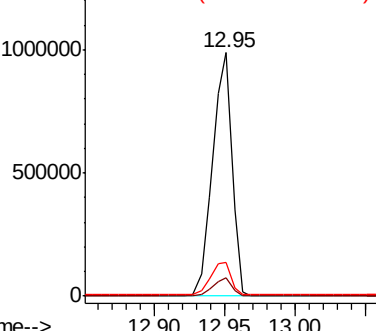


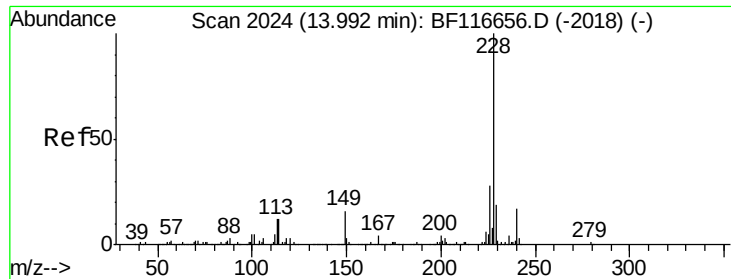
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

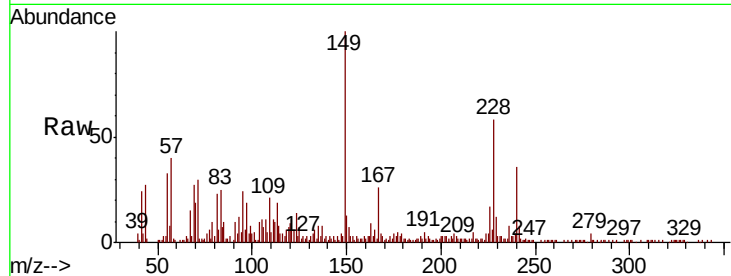




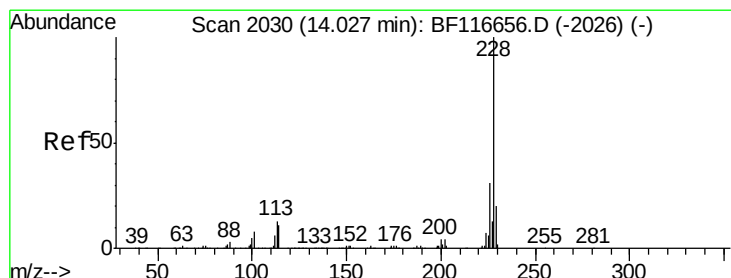
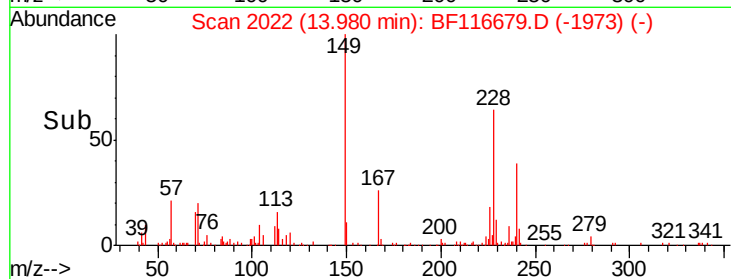
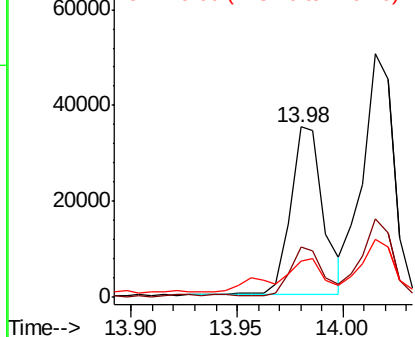
#81
Benzo(a)anthracene
Concen: 2.686 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 38172
Ion Ratio Lower Upper
228 100
226 29.5 22.0 33.0
229 21.2 16.4 24.6

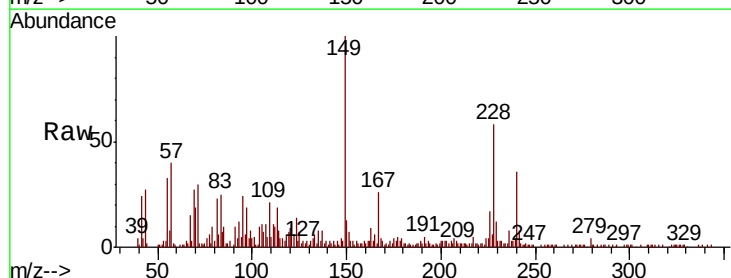


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

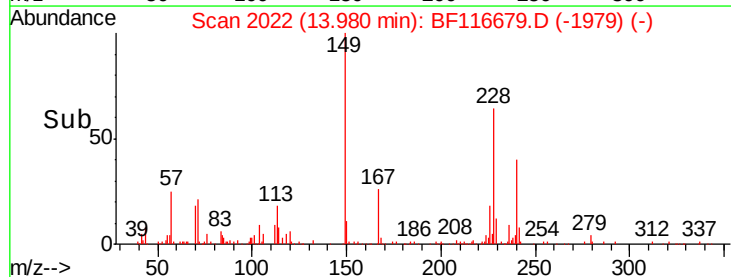
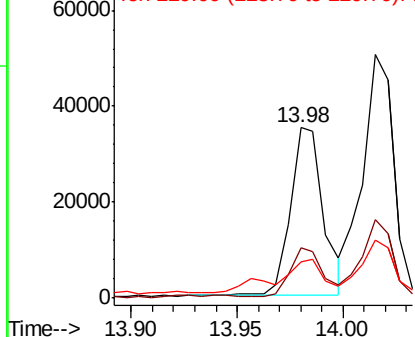


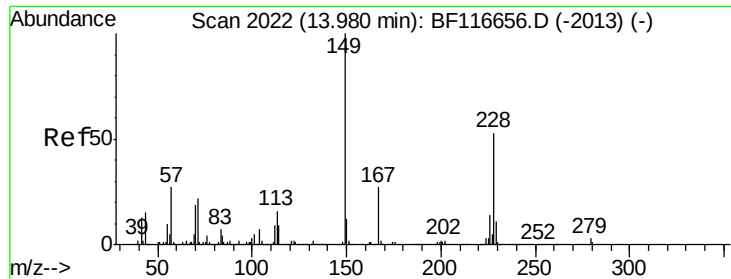
#83
Chrysene
Concen: 2.607 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.05 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion:228 Resp: 38172
Ion Ratio Lower Upper
228 100
226 29.5 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: 3.966 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

ClientSampleId :

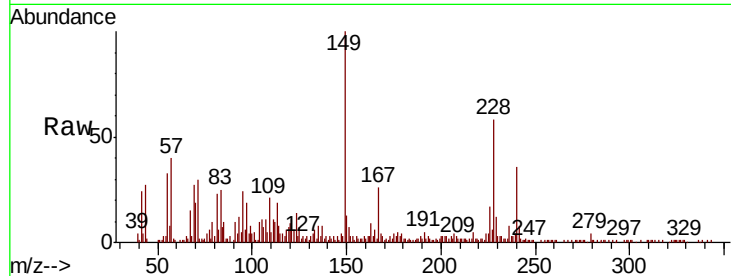
Tot Ion:149 Resp: 47532

Ion Ratio Lower Upper

149 100

167 25.6 21.0 31.4

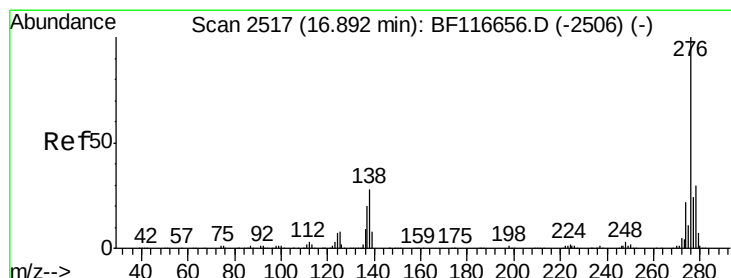
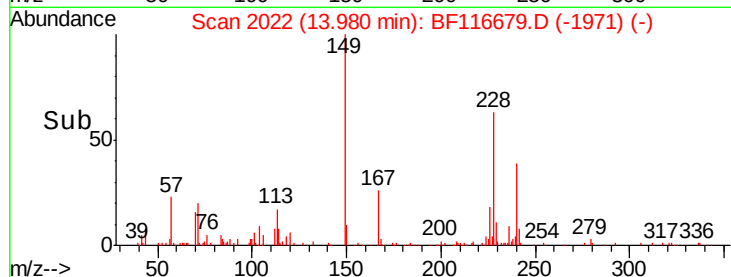
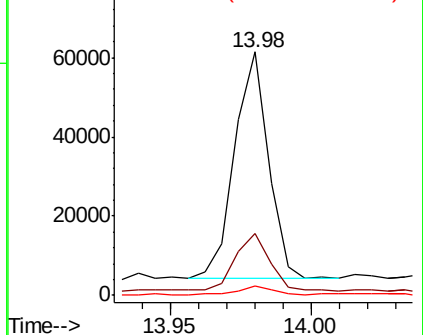
279 3.9 2.8 4.2



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: 2.848 ng

RT: 16.87 min Scan# 2514

Delta R.T. -0.02 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

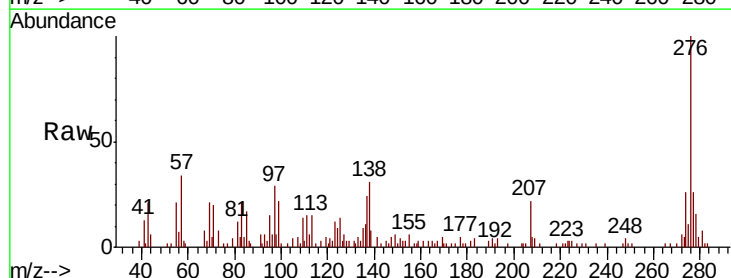
Tgt Ion:276 Resp: 33501

Ion Ratio Lower Upper

276 100

138 29.9 19.4 29.2#

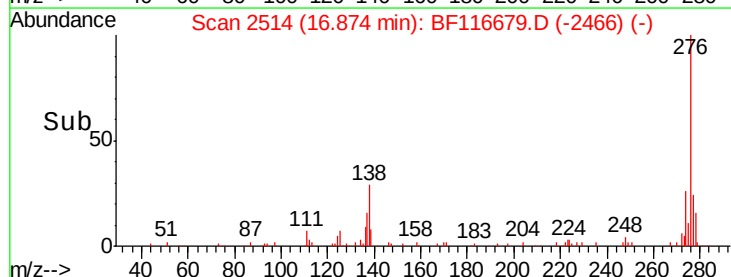
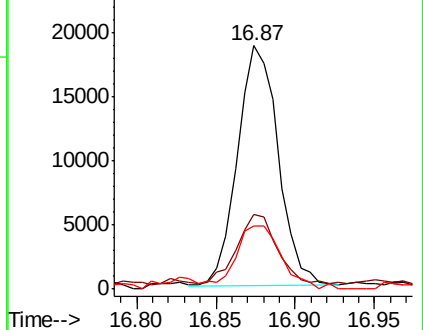
277 28.8 20.5 30.7

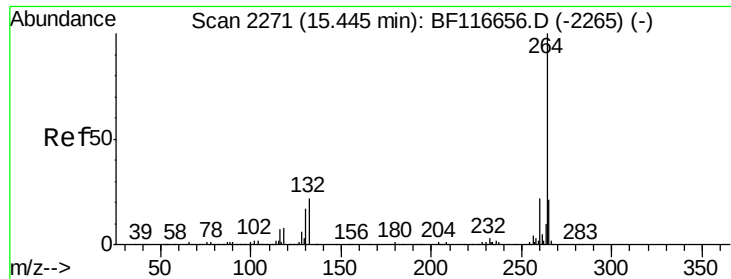


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

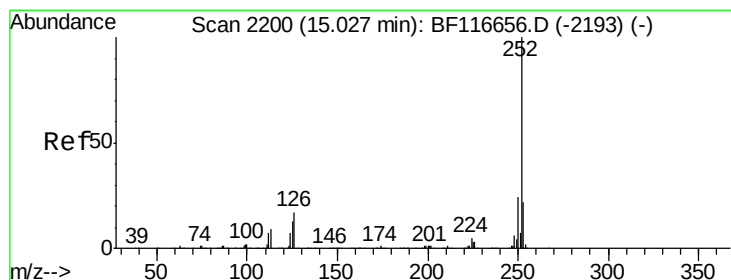
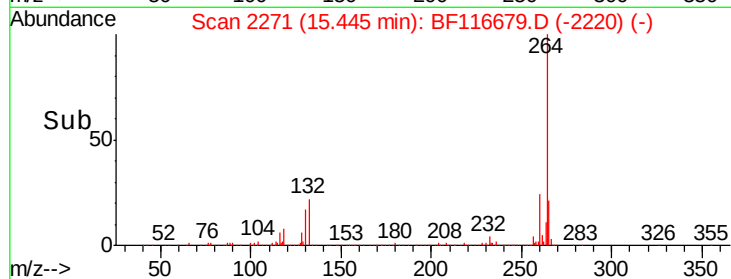
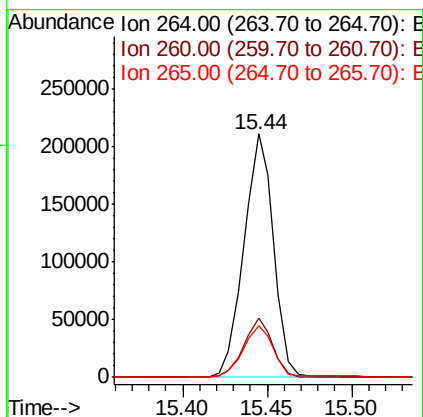
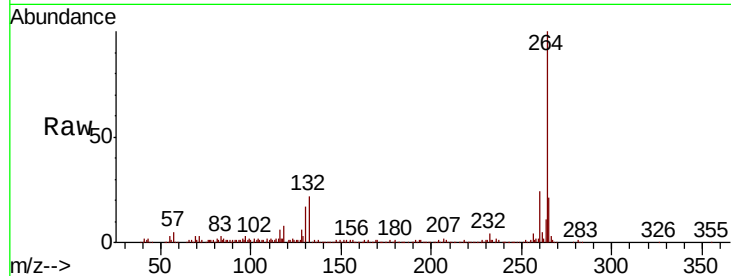




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

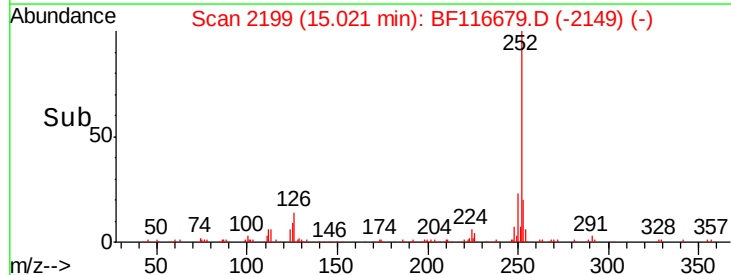
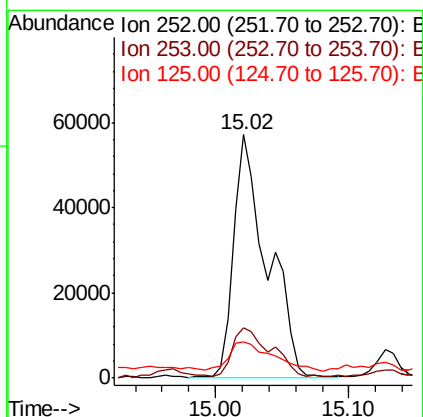
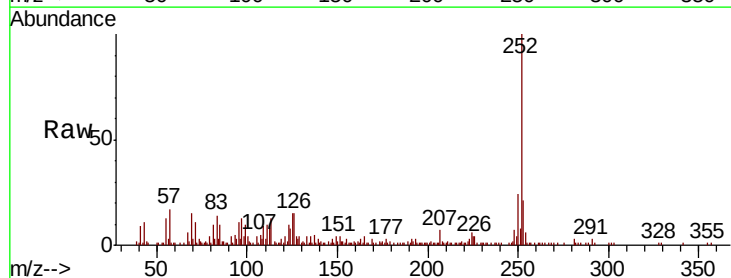
Instrument :
BNA_F
ClientSampleId :

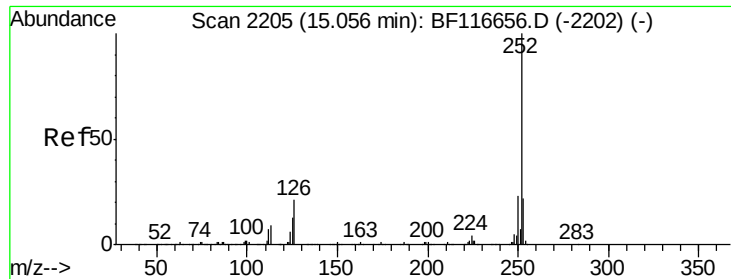
Tot Ion:264 Resp: 258290
Ion Ratio Lower Upper
264 100
260 24.4 18.3 27.5
265 21.1 16.5 24.7



#88
Benzo(b)fluoranthene
Concen: 6.474 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion:252 Resp: 101093
Ion Ratio Lower Upper
252 100
253 20.7 17.7 26.5
125 14.9 8.2 12.2#

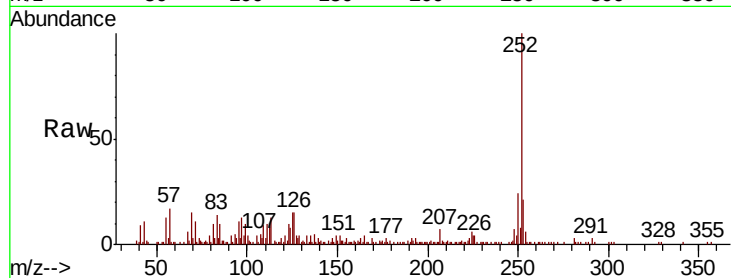




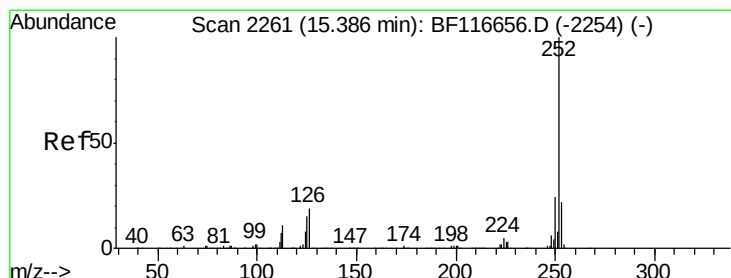
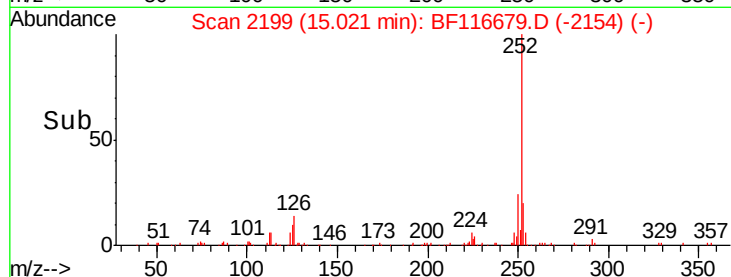
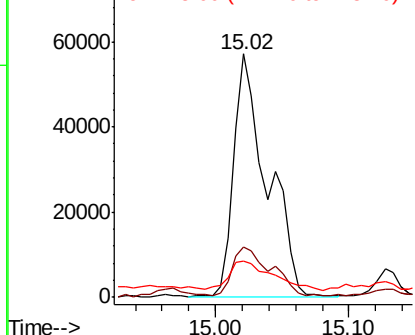
#89
Benzo(k)fluoranthene
Concen: 7.100 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 101093
Ion Ratio Lower Upper
252 100
253 20.7 17.7 26.5
125 14.9 8.6 13.0#

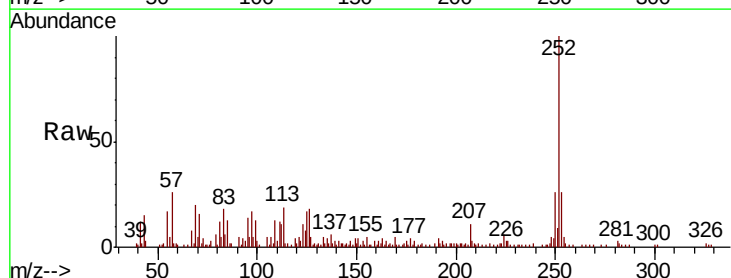


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

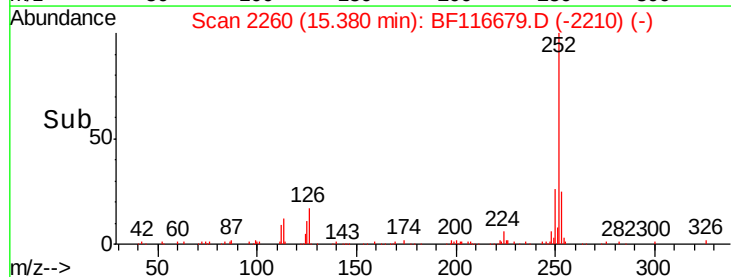
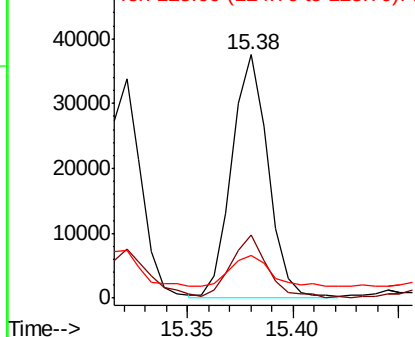


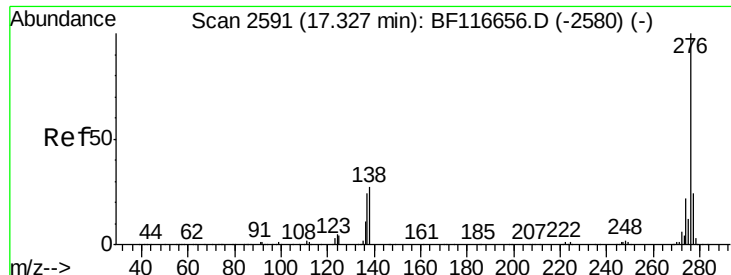
#90
Benzo(a)pyrene
Concen: 3.303 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116679.D
Acq: 31 Aug 2019 4:40

Tgt Ion:252 Resp: 44872
Ion Ratio Lower Upper
252 100
253 25.8 18.1 27.1
125 17.3 9.8 14.8#



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





#92

Benzo(a,h,i)perylene

Concen: 2.684 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.02 min

Lab File: BF116679.D

Acq: 31 Aug 2019 4:40

Instrument :

BNA_F

ClientSampleId :

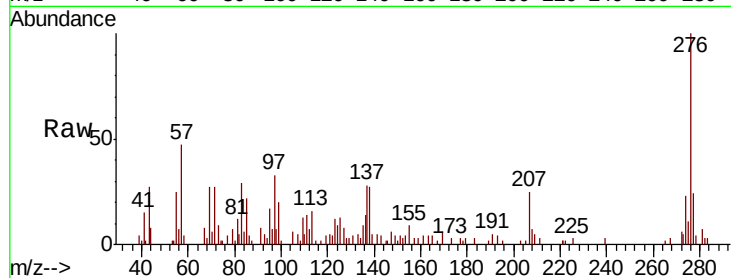
Tot Ion: 276 Resp: 32553

Ion Ratio Lower Upper

276 100

277 23.7 18.5 27.7

138 26.6 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

