

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116938.D
 Acq On : 10 Sep 2019 22:54
 Operator : HP/JU
 Sample : K4791-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 01:03:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	83881	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	331926	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	166381	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	249725	20.00	ng	0.00
76) Chrysene-d12	13.98	240	138557	20.00	ng	0.00
87) Perylene-d12	15.43	264	170430	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	479325	92.58	ng	0.00
7) Phenol-d6	6.47	99	655425	96.40	ng	0.00
23) Nitrobenzene-d5	7.39	82	411661	70.80	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	105858	95.17	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	693004	70.26	ng	0.00
79) Terphenyl-d14	12.93	244	467381	62.40	ng	0.00

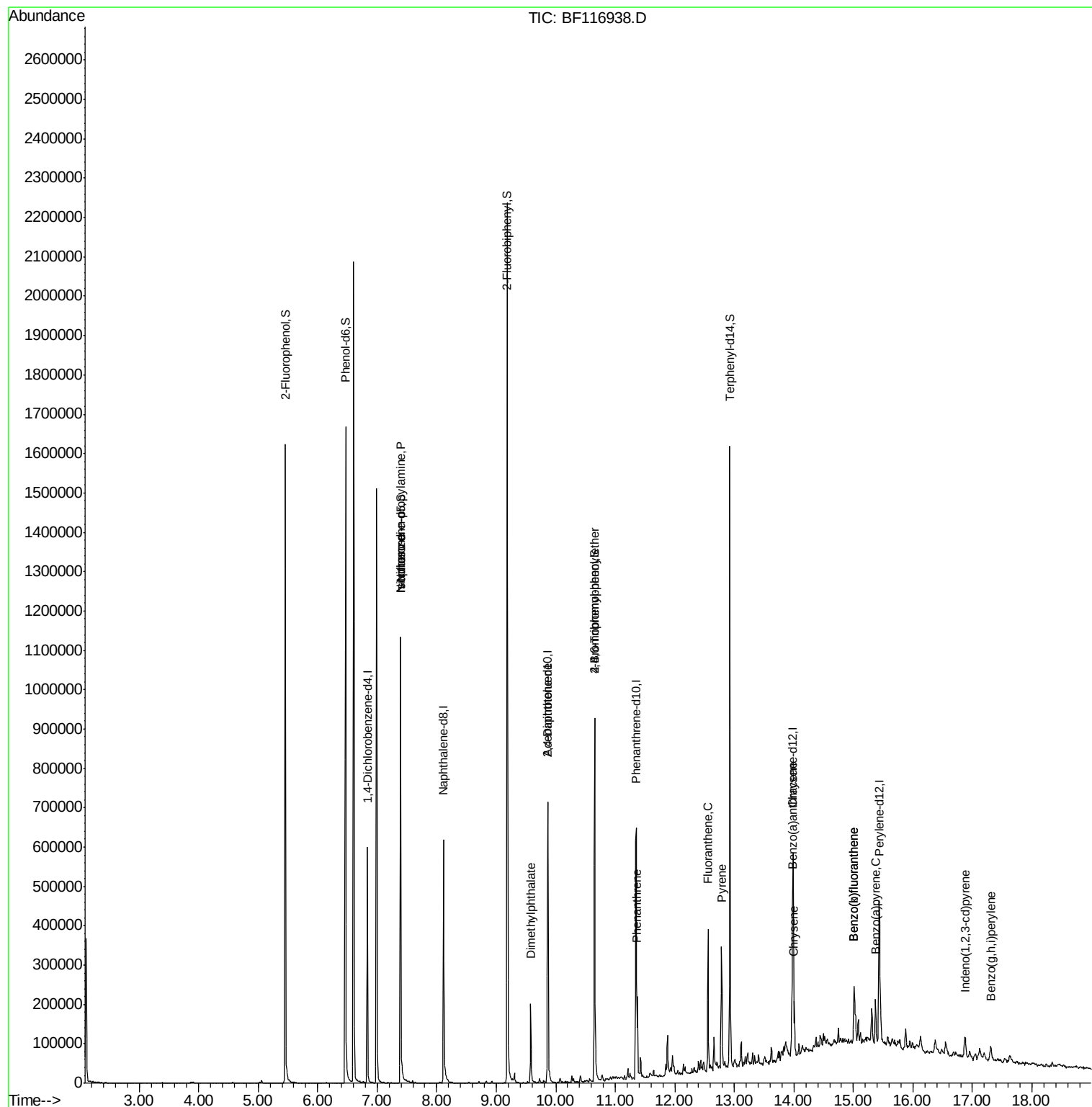
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.39	70	53929	12.047	ng	# 72
25) Isophorone	7.39	82	411657	34.940	ng	# 66
50) Dimethylphthalate	9.58	163	96395	8.392	ng	98
57) 2,4-Dinitrotoluene	9.86	165	20898	7.798	ng	# 21
67) 4-Bromophenyl-phenylether	10.65	248	6134	2.418	ng	# 1
71) Phenanthrene	11.37	178	86672	6.235	ng	98
75) Fluoranthene	12.56	202	144199	10.555	ng	98
78) Pyrene	12.79	202	124593	10.116	ng	99
81) Benzo(a)anthracene	13.97	228	57470	6.554	ng	95
83) Chrysene	14.00	228	52969	5.863	ng	94
86) Indeno(1,2,3-cd)pyrene	16.87	276	33129	4.565	ng	96
88) Benzo(b)fluoranthene	15.01	252	96180	9.334	ng	98
89) Benzo(k)fluoranthene	15.01	252	96180	10.237	ng	99
90) Benzo(a)pyrene	15.37	252	52123	5.814	ng	98
92) Benzo(a,h,i)perylene	17.31	276	29306	3.662	ng	# 90

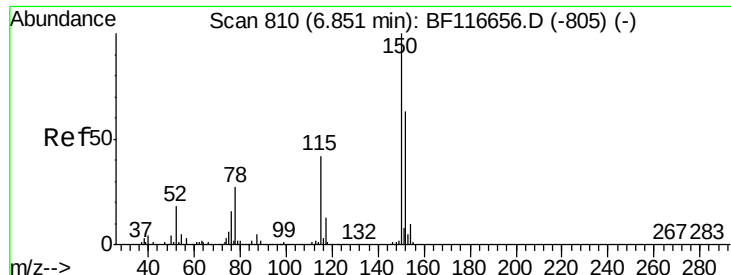
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
Data File : BF116938.D
Acq On : 10 Sep 2019 22:54
Operator : HP/JU
Sample : K4791-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 11 01:03:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration



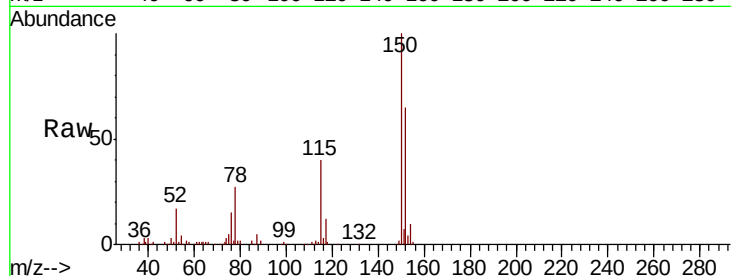


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.4	186.6
115	61.7	49.9	74.9

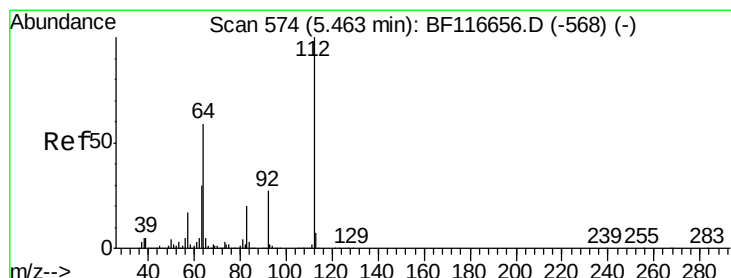
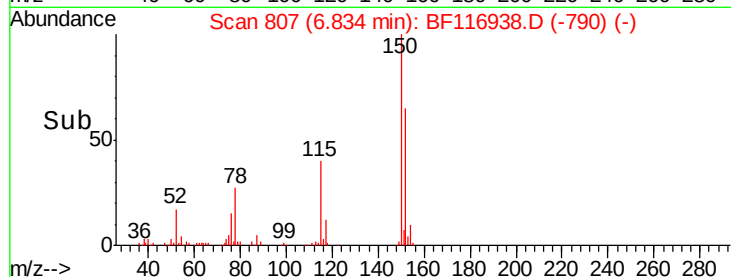
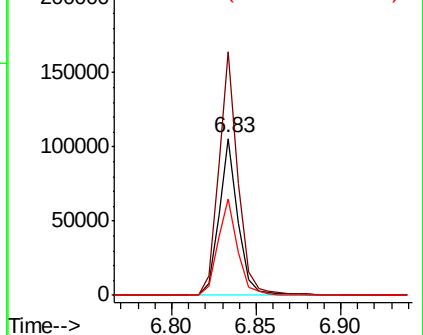


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

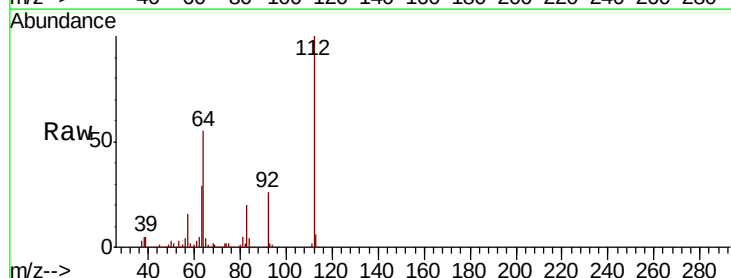
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.576 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.1	70.7
63	29.3	24.9	37.3

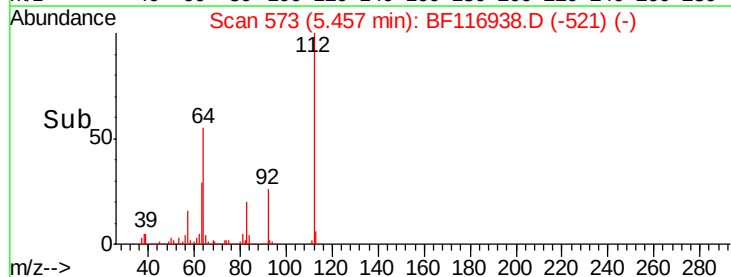
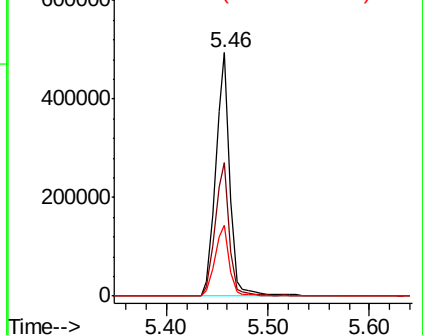


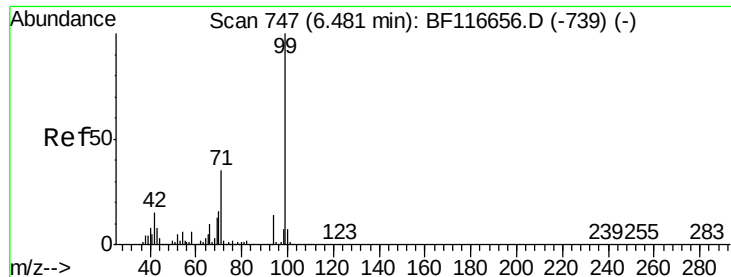
Abundance

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: 96.403 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

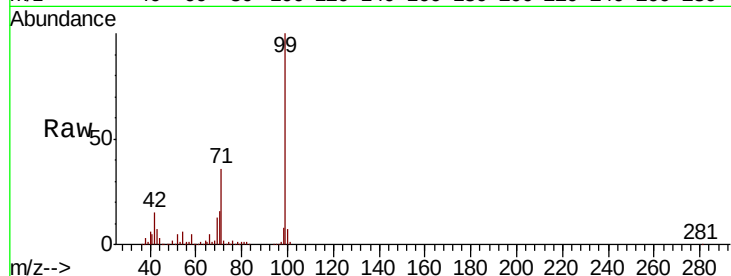
Tot Ion: 99 Resp: 655425

Ion Ratio Lower Upper

99 100

42 14.6 13.7 20.5

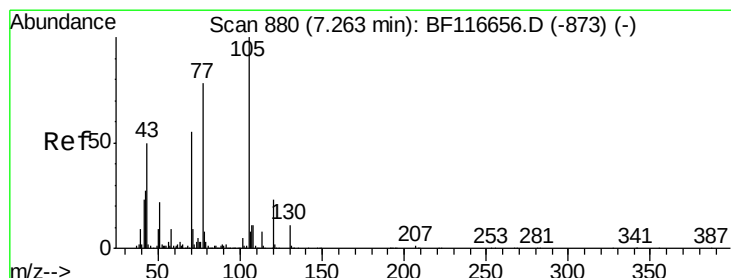
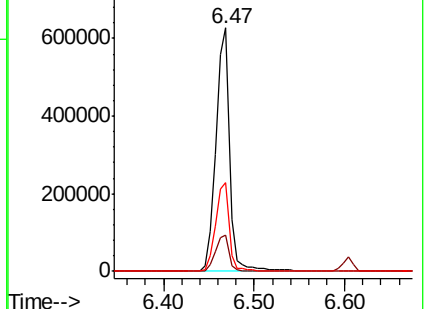
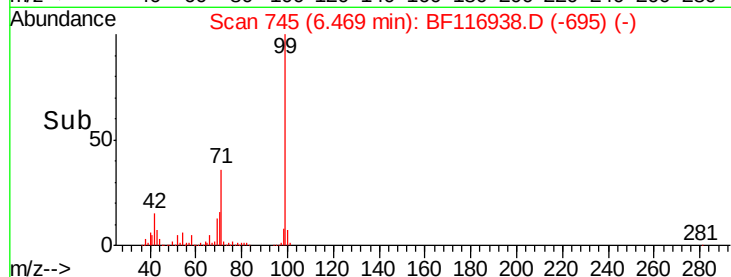
71 36.2 30.8 46.2



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: 12.047 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Tgt Ion: 70 Resp: 53929

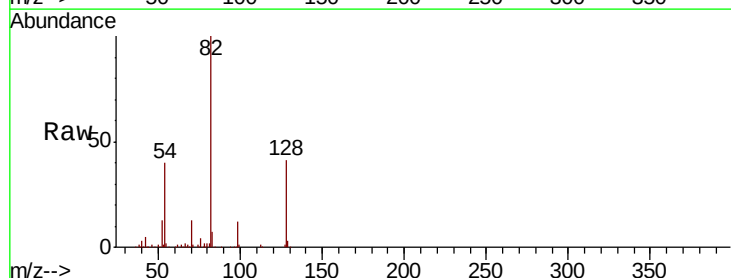
Ion Ratio Lower Upper

70 100

42 36.9 43.5 65.3#

101 0.0 7.8 11.6#

130 2.1 16.6 24.8#

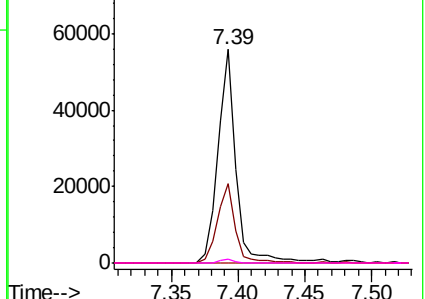
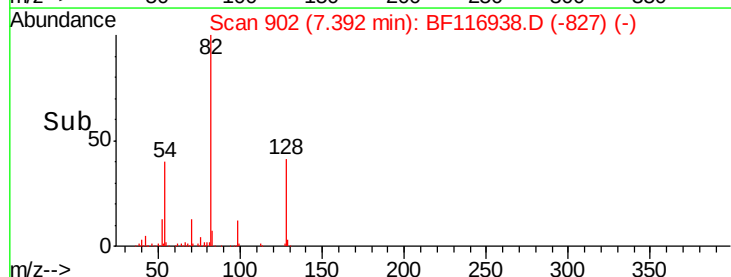


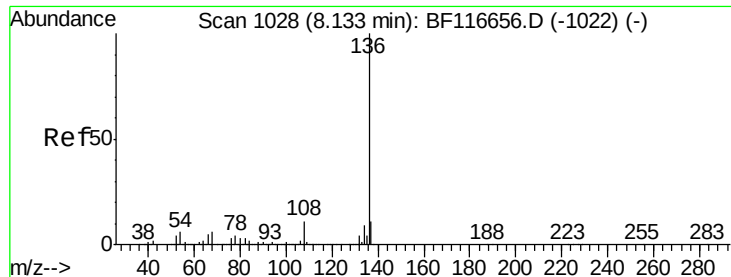
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

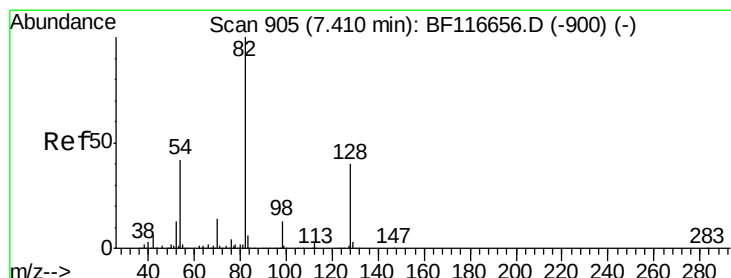
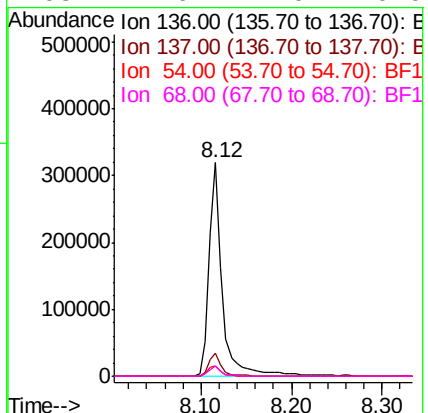
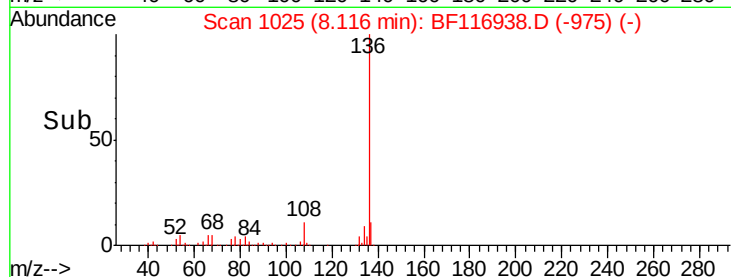
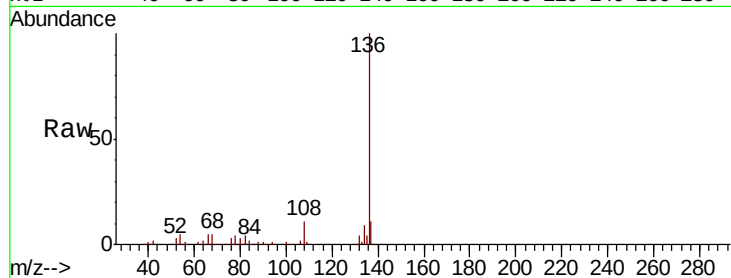




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

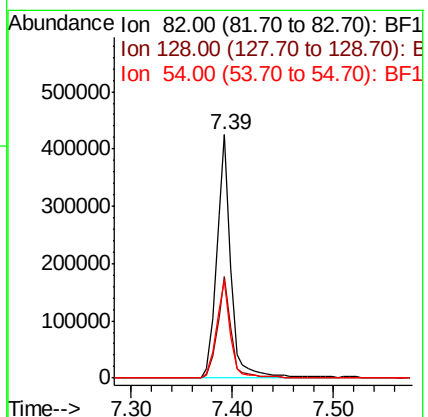
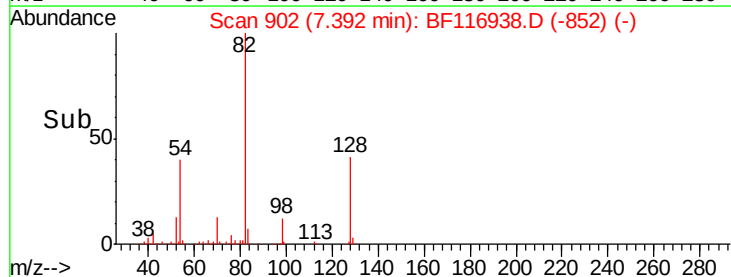
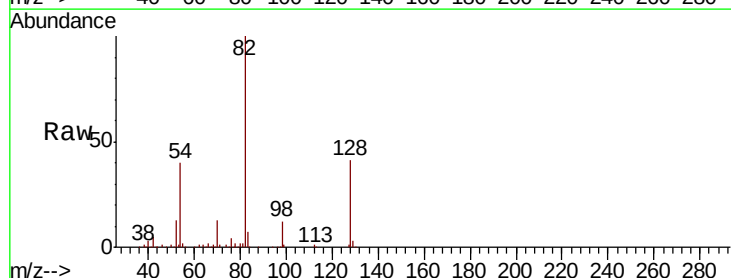
Instrument :
BNA_F
ClientSampled :

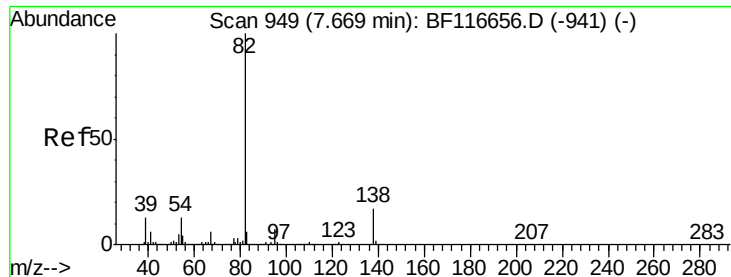
Tot Ion:136	Resp:	331926
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.9	13.3
54 5.0	4.8	7.2
68 4.6	4.0	6.0



#23
Nitrobenzene-d5
Concen: 70.801 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion: 82	Resp: 411661
Ion Ratio	Lower Upper
82 100	
128 41.5	32.8 49.2
54 40.2	36.9 55.3





#25

Isophorone

Concen: 34.940 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Instrument :

BNA_F

ClientSampled :

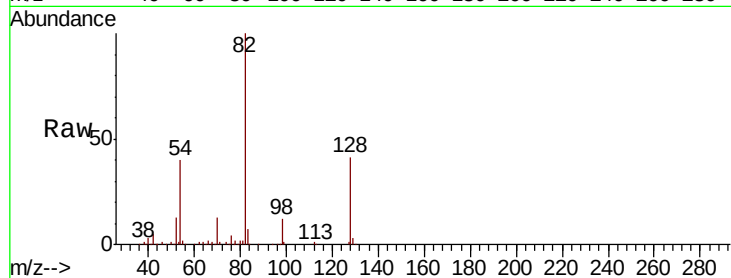
Tot Ion: 82 Resp: 411657

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

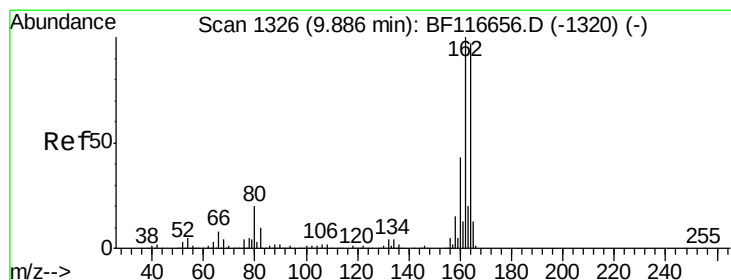
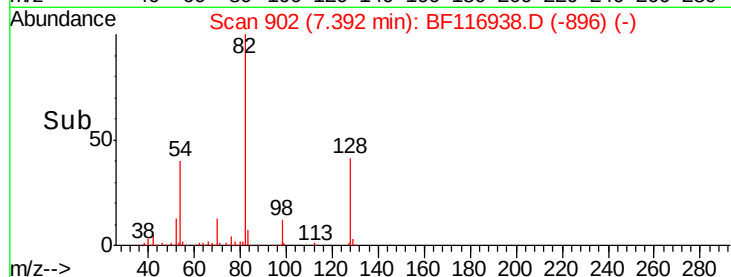
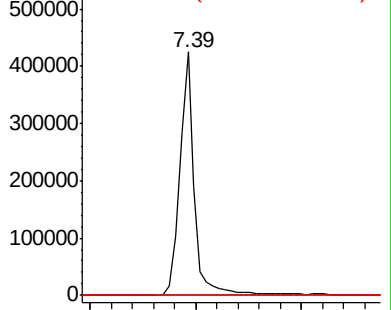
138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

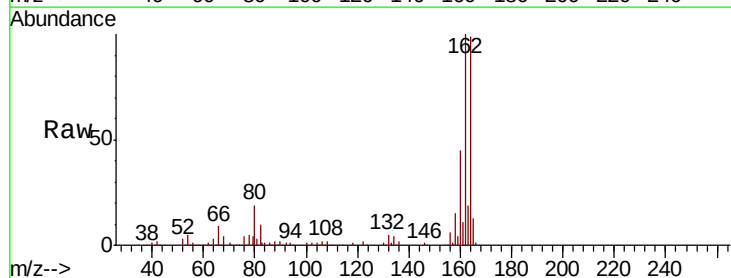
Tgt Ion: 164 Resp: 166381

Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

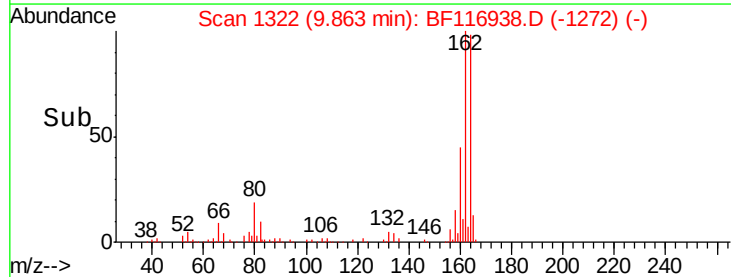
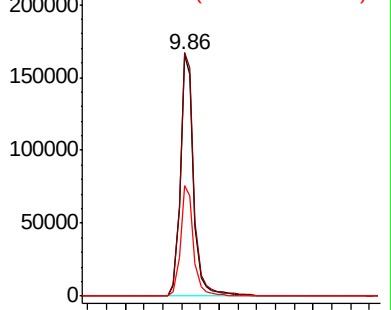
160 45.7 35.4 53.2

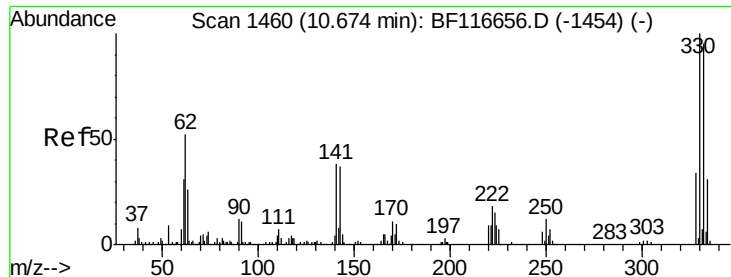


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 95.171 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Instrument :

BNA_F

ClientSampleId :

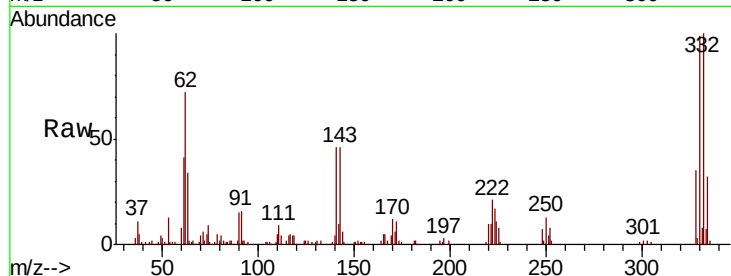
Tot Ion:330 Resp: 105858

Ion Ratio Lower Upper

330 100

332 96.6 76.9 115.3

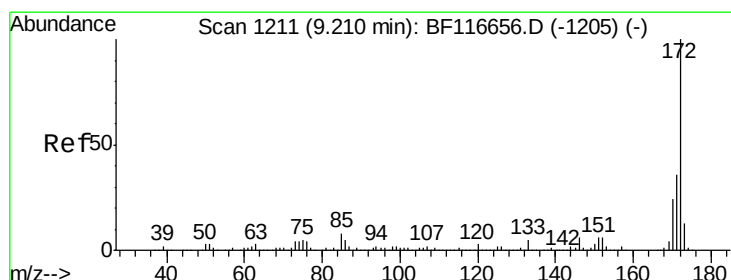
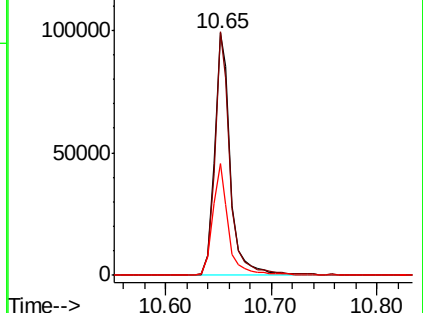
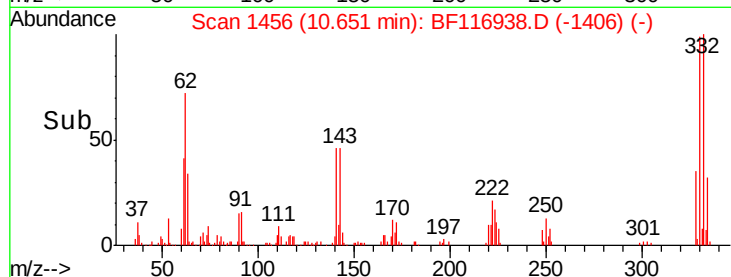
141 44.9 31.4 47.2



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: 70.262 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

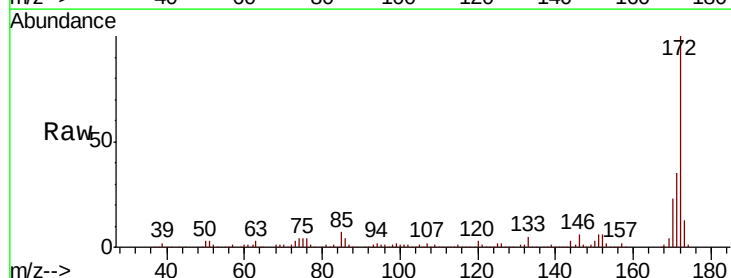
Tgt Ion:172 Resp: 693004

Ion Ratio Lower Upper

172 100

171 35.4 27.8 41.6

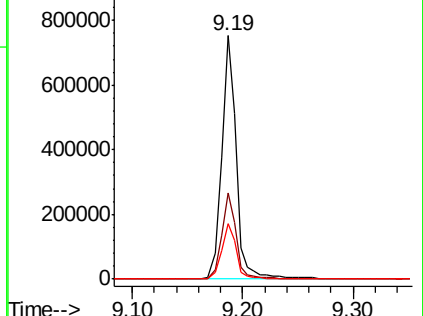
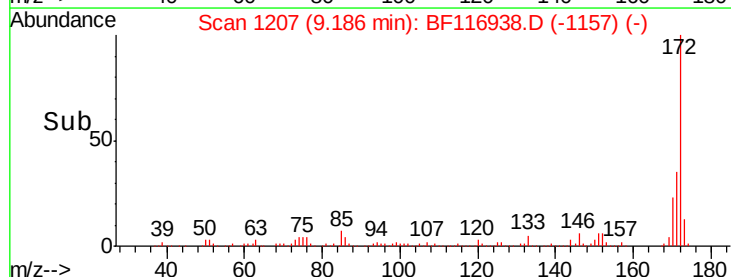
170 23.0 18.9 28.3

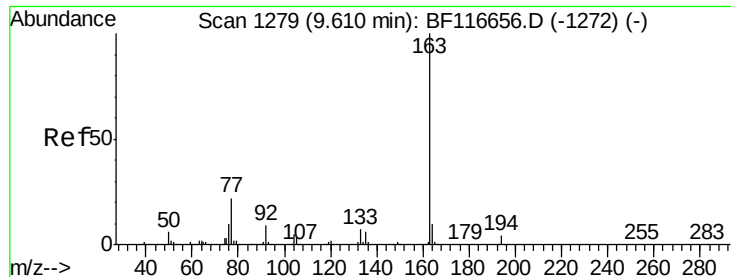


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

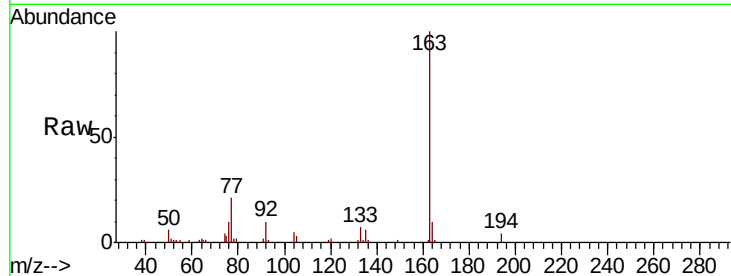




#50
Dimethylphthalate
Concen: 8.392 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	10.0	8.6	12.8

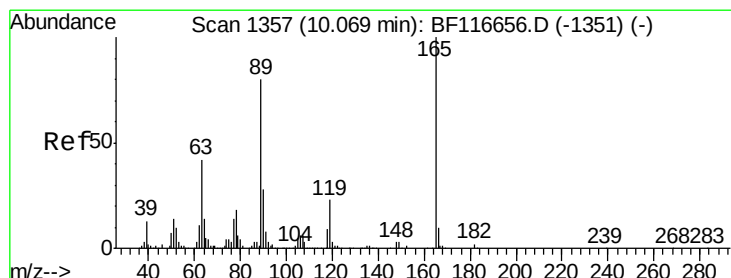
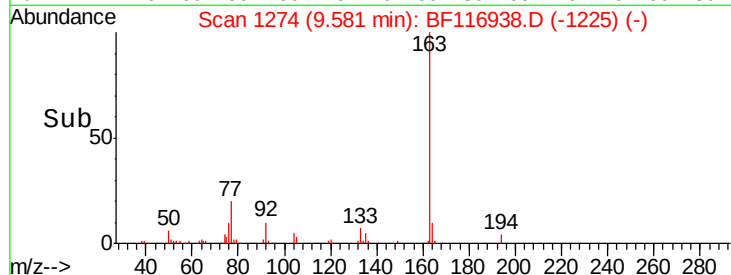
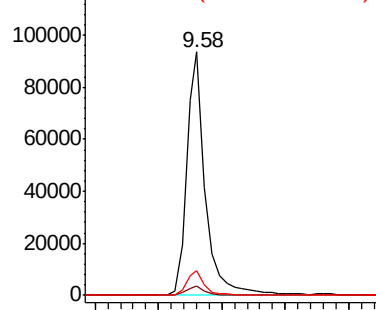


Abundance

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: 7.798 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.19 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#

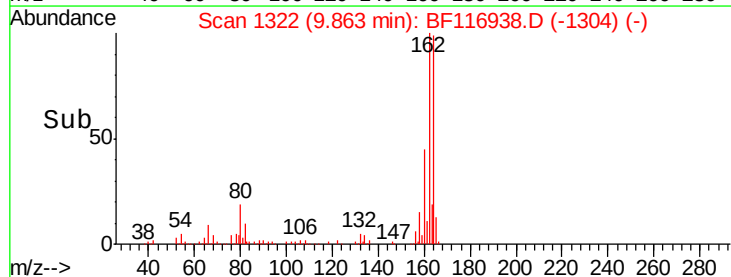
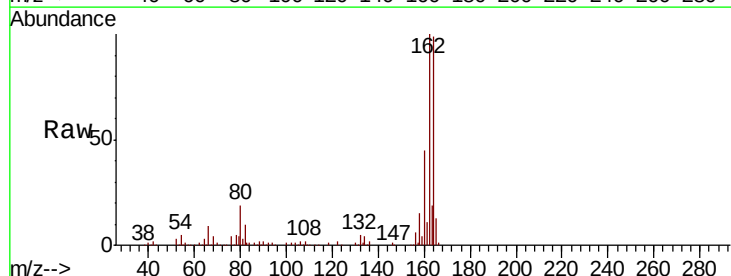
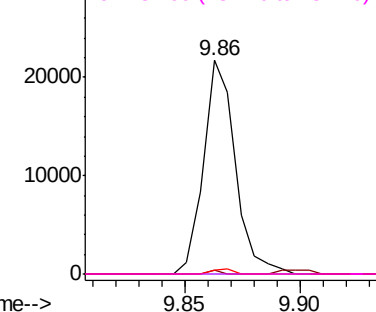
Abundance

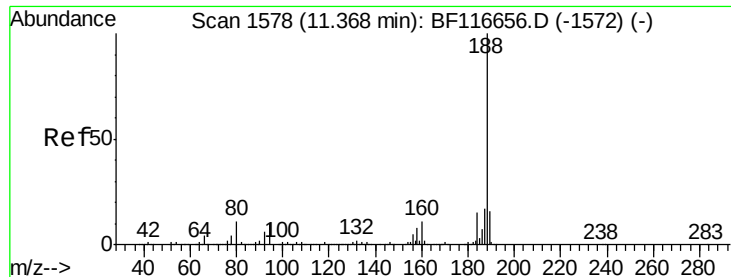
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

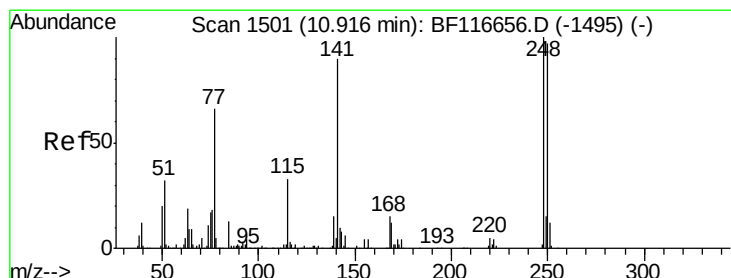
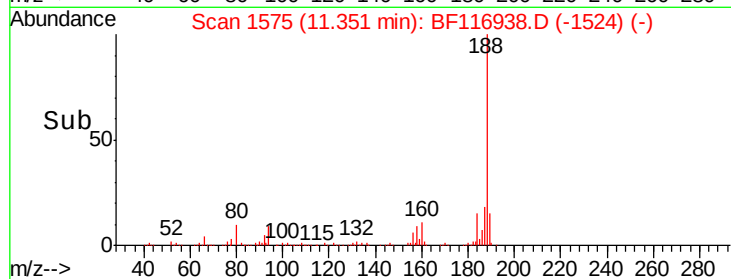
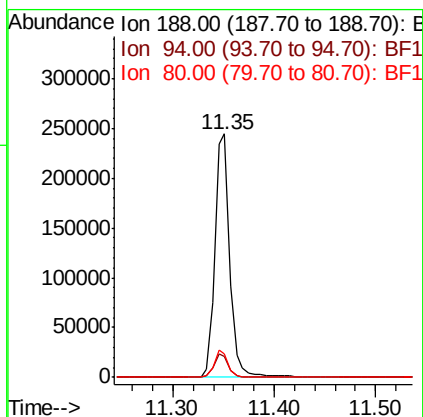
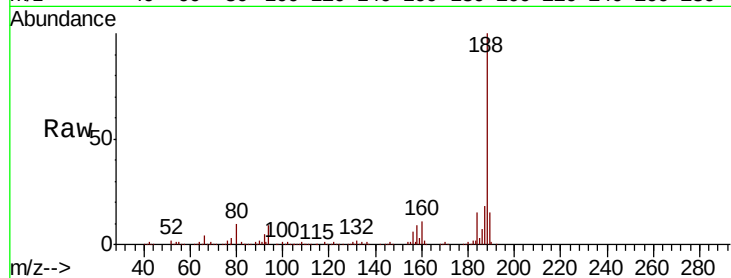




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

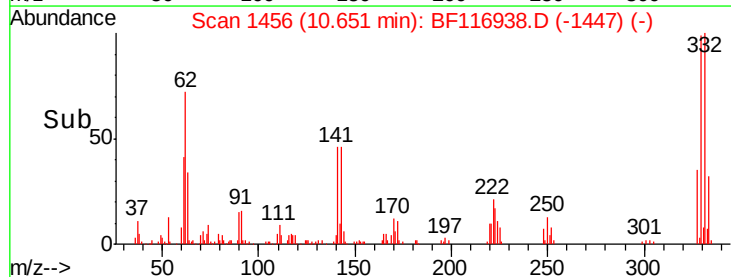
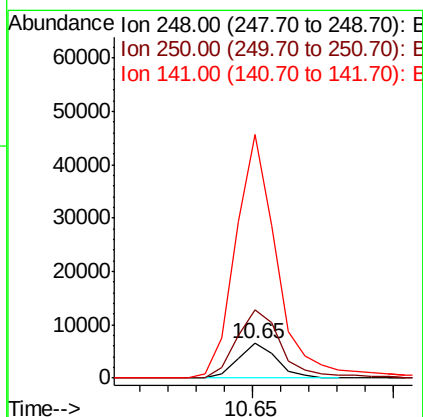
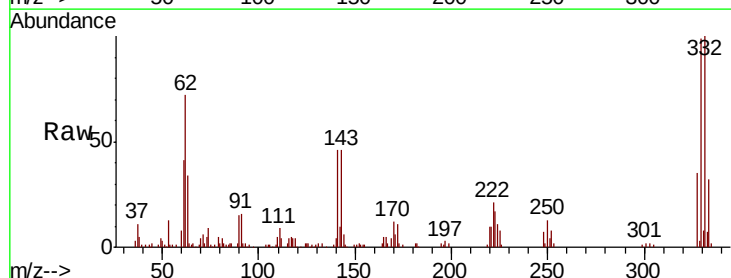
Instrument :
BNA_F
ClientSampleId :

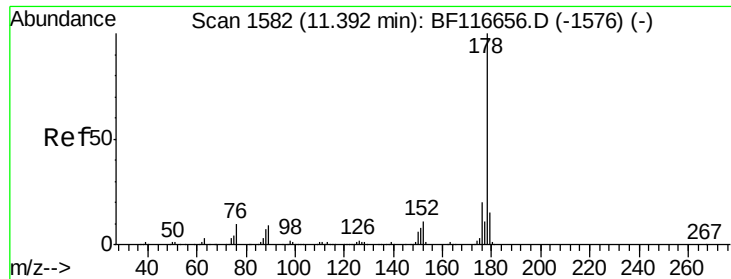
Tot Ion:188 Resp: 249725
Ion Ratio Lower Upper
188 100
94 8.5 7.3 10.9
80 9.9 8.4 12.6



#67
4-Bromophenyl-phenylether
Concen: 2.418 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.25 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion:248 Resp: 6134
Ion Ratio Lower Upper
248 100
250 195.6 77.8 116.8#
141 699.2 75.9 113.9#

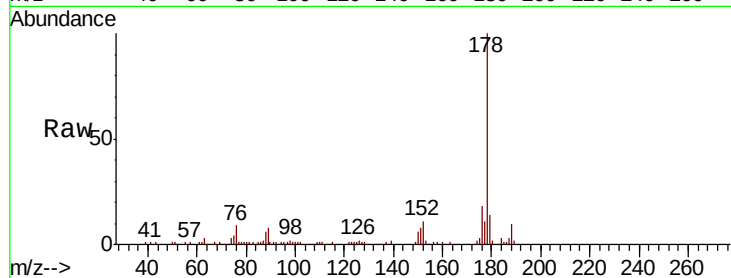




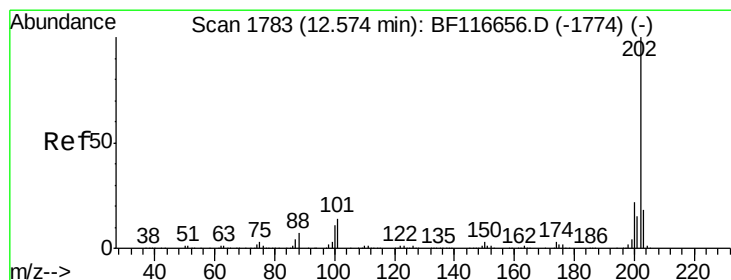
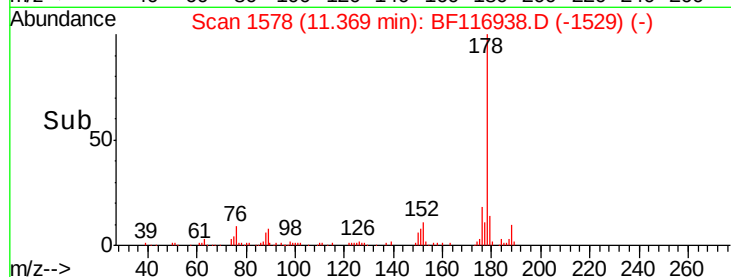
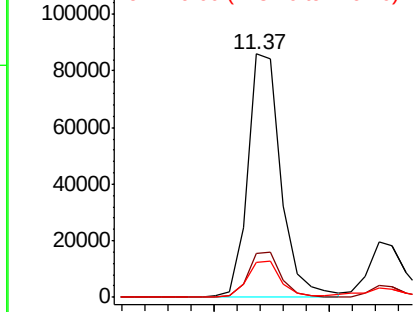
#71
Phenanthrene
Concen: 6.235 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 86672
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 14.3 12.2 18.2

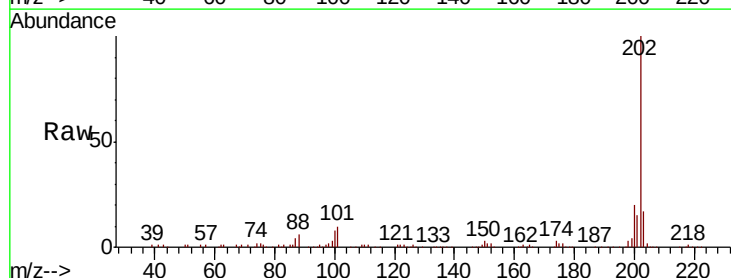


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

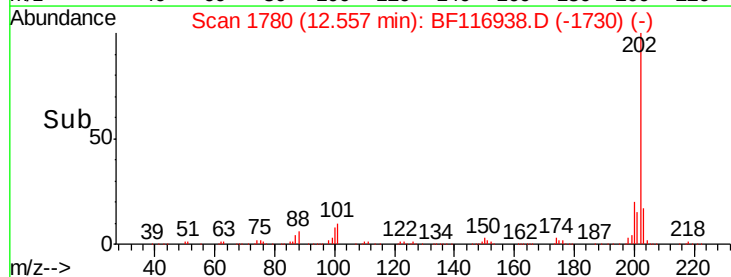
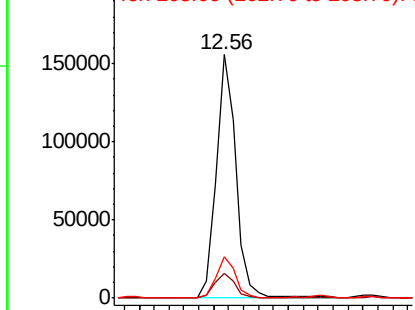


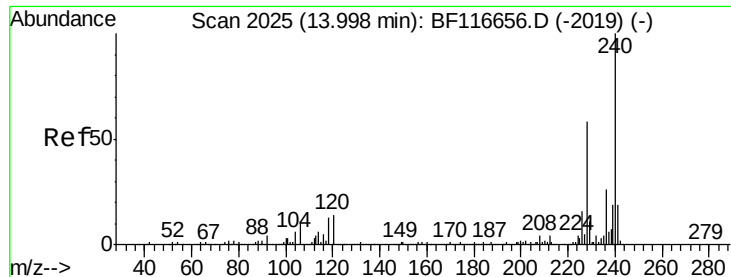
#75
Fluoranthene
Concen: 10.555 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion:202 Resp: 144199
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.3
203 16.8 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

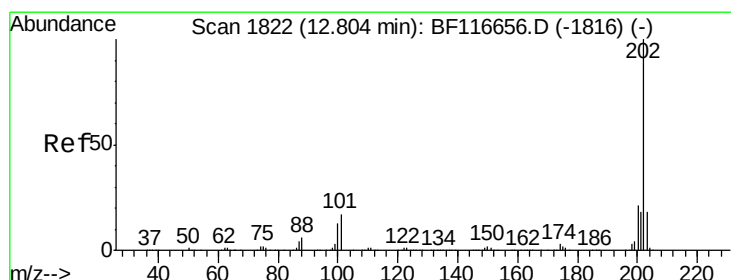
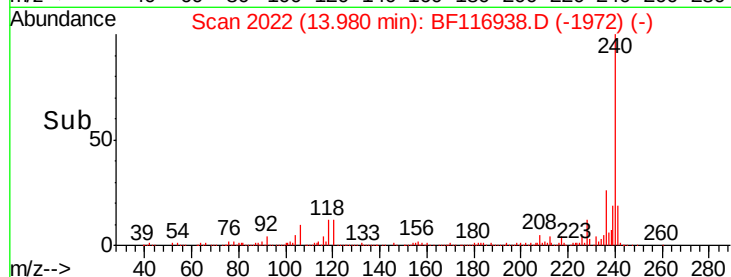
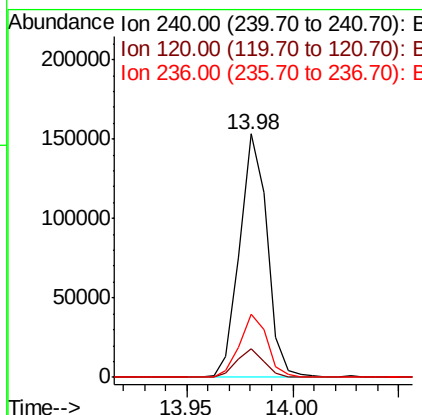
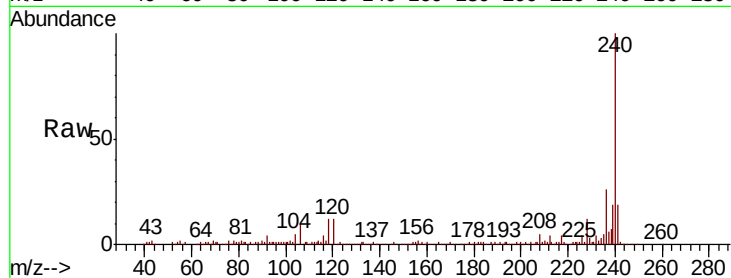




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

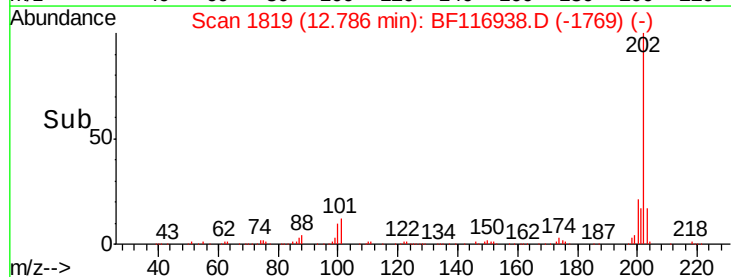
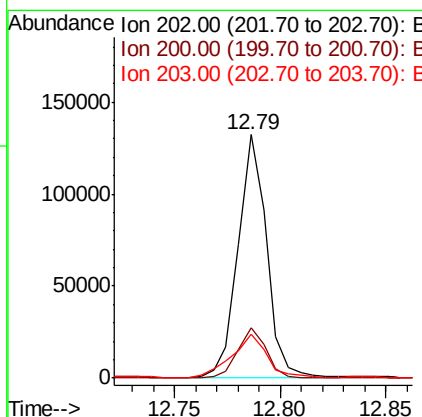
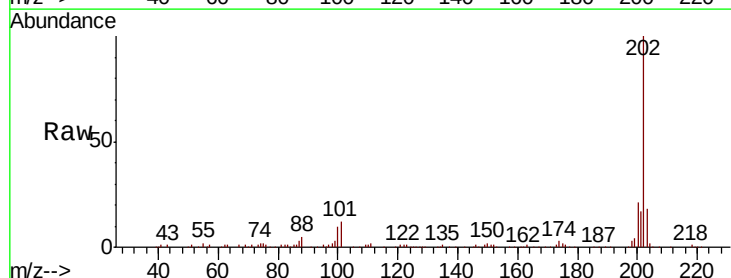
Instrument :
BNA_F
ClientSampleId :

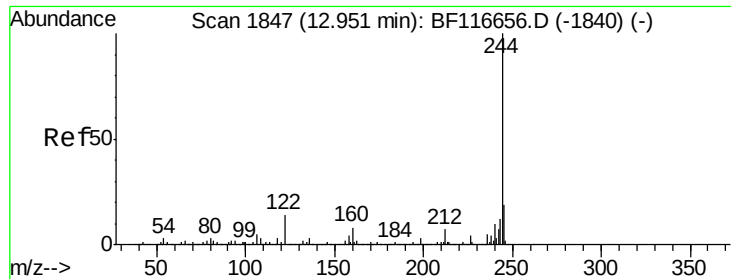
Tot Ion:240 Resp: 138557
Ion Ratio Lower Upper
240 100
120 11.8 9.1 13.7
236 26.0 21.1 31.7



#78
Pyrene
Concen: 10.116 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion:202 Resp: 124593
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 17.9 13.7 20.5

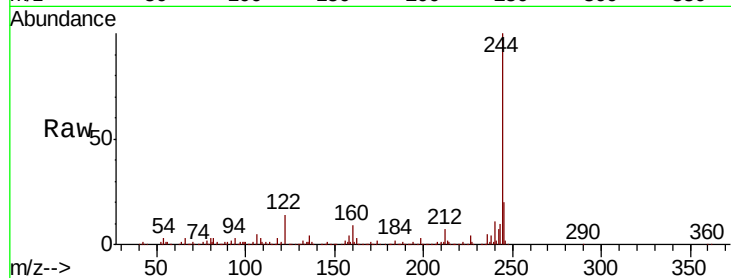




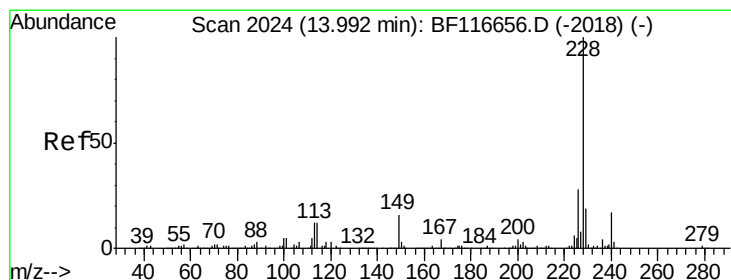
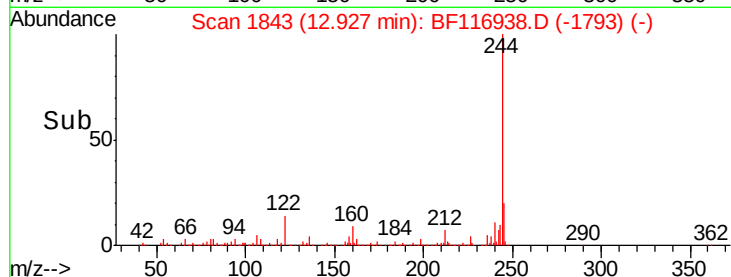
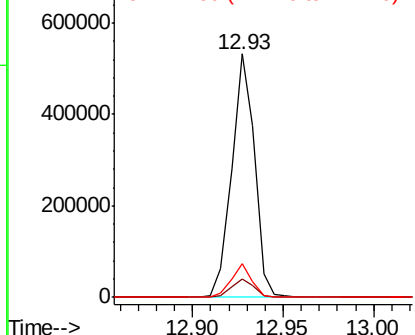
#79
 Terphenyl-d14
 Concen: 62.402 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF116938.D
 Acq: 10 Sep 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 467381
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 13.6 10.2 15.4

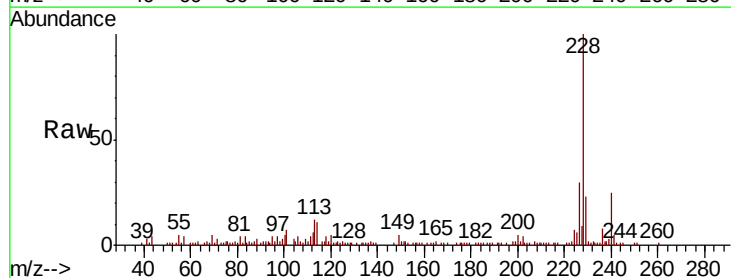


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

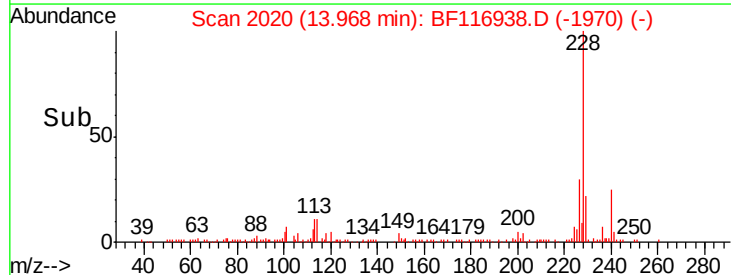
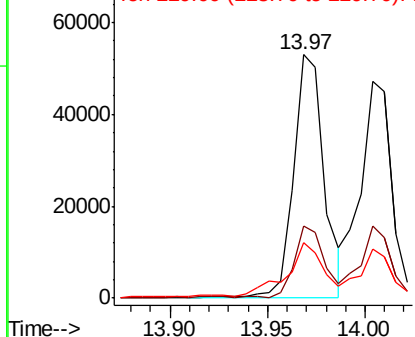


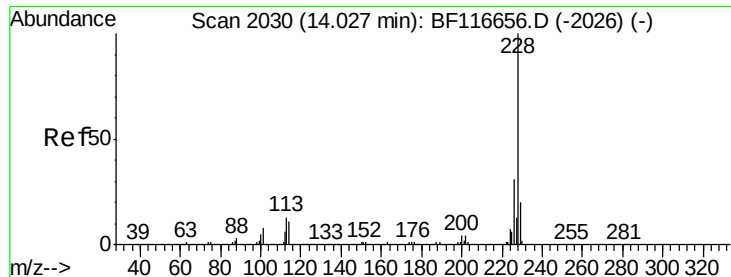
#81
 Benzo(a)anthracene
 Concen: 6.554 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116938.D
 Acq: 10 Sep 2019 22:54

Tgt Ion:228 Resp: 57470
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.0 33.0
 229 22.8 16.4 24.6



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

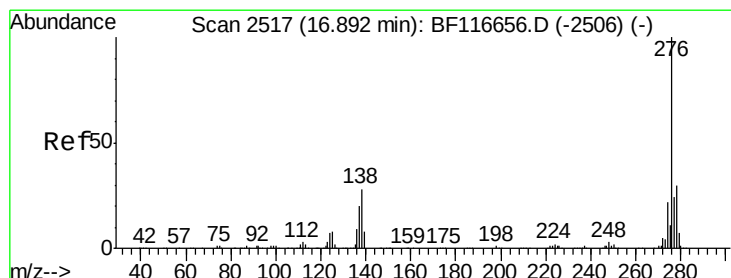
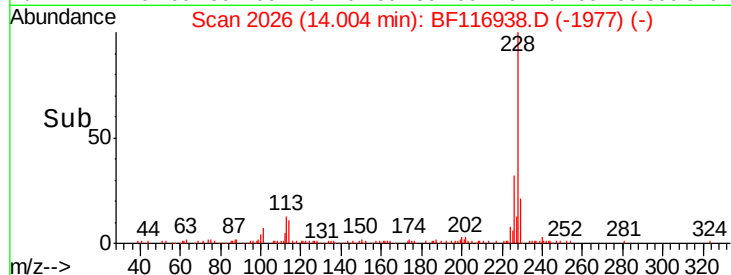
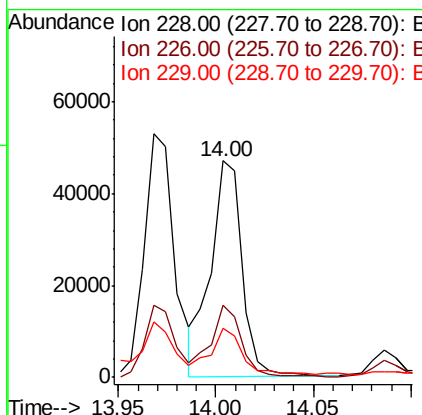
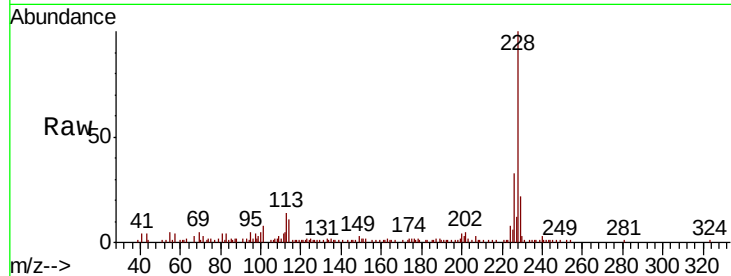




#83
Chrysene
Concen: 5.863 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

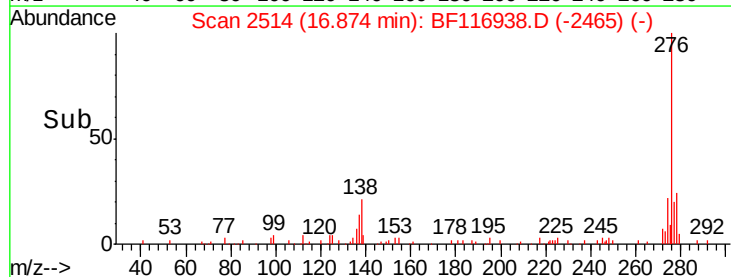
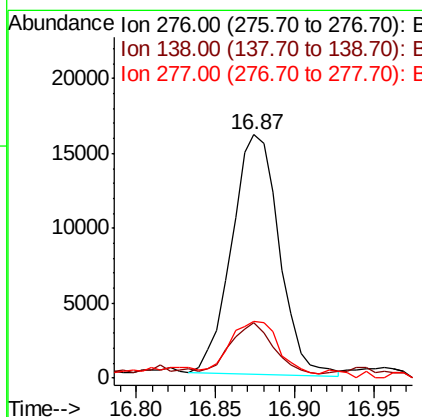
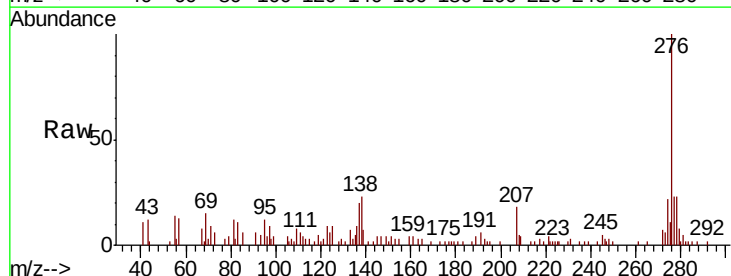
Instrument :
BNA_F
ClientSampleId :

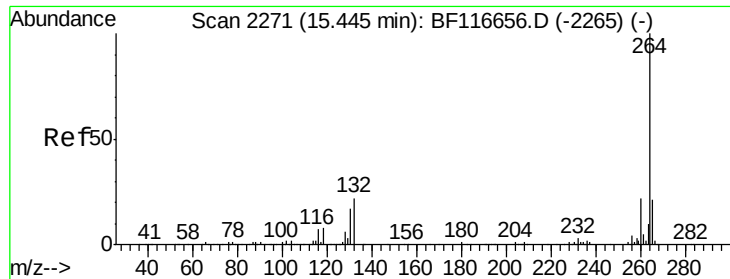
Tot Ion:228 Resp: 52969
Ion Ratio Lower Upper
228 100
226 33.1 24.0 36.0
229 22.4 15.4 23.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.565 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion:276 Resp: 33129
Ion Ratio Lower Upper
276 100
138 21.0 19.4 29.2
277 26.2 20.5 30.7



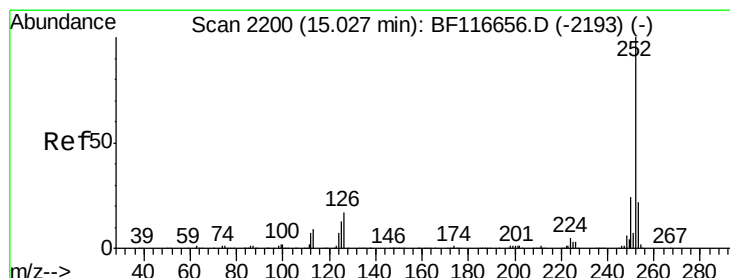
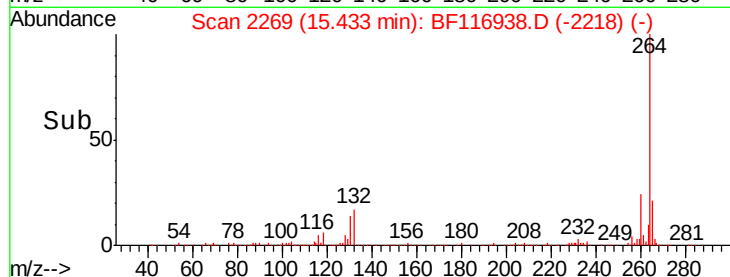
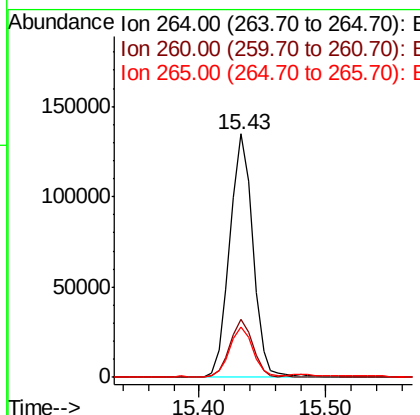
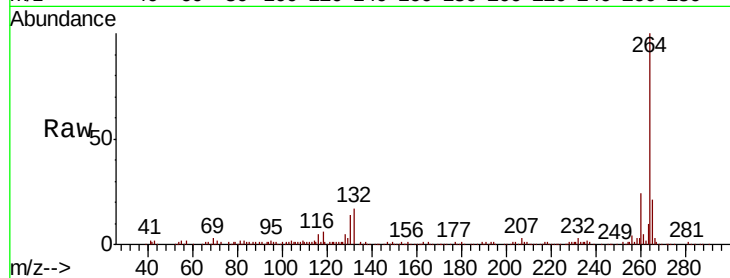


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 170430

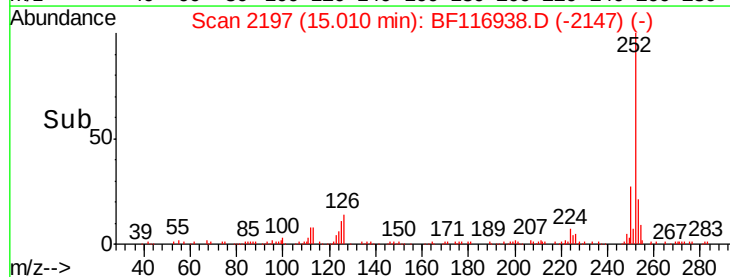
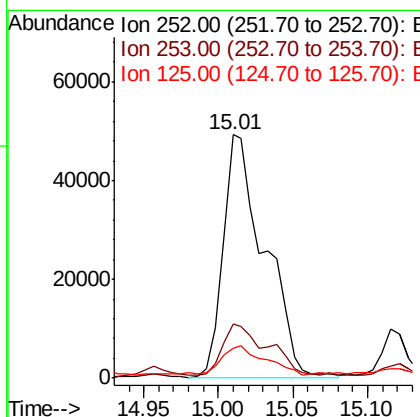
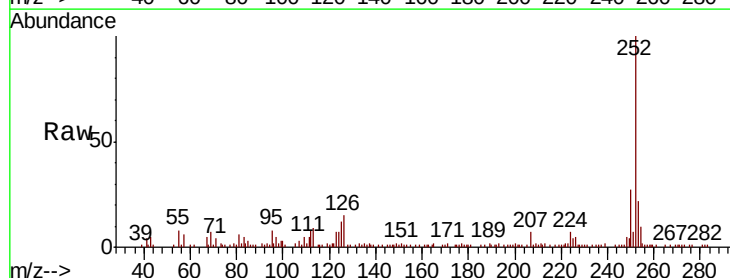
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	20.8	16.5	24.7

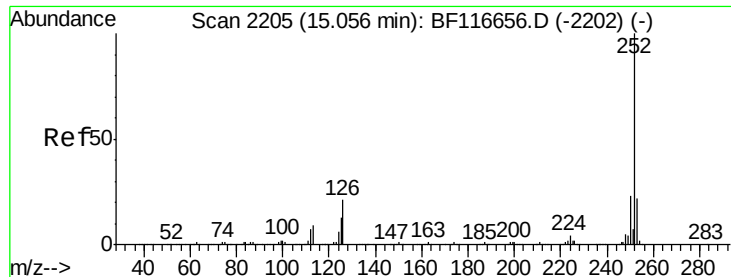


#88
Benzo(b)fluoranthene
Concen: 9.334 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion:252 Resp: 96180

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	12.2	8.2	12.2

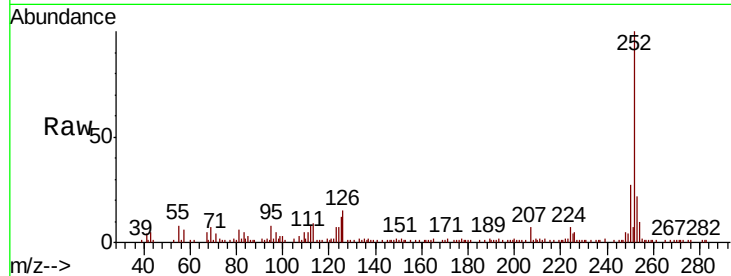




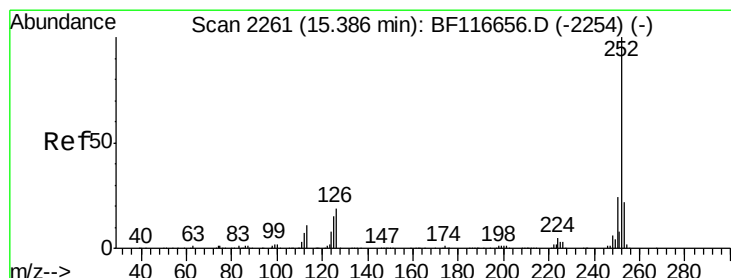
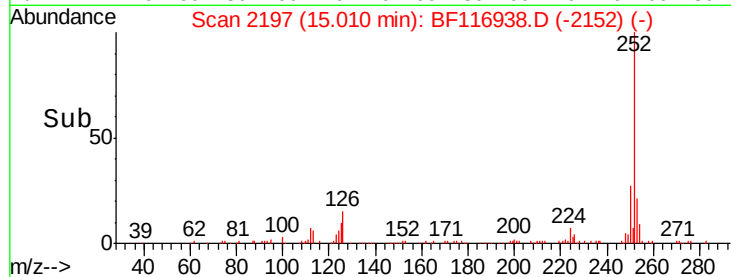
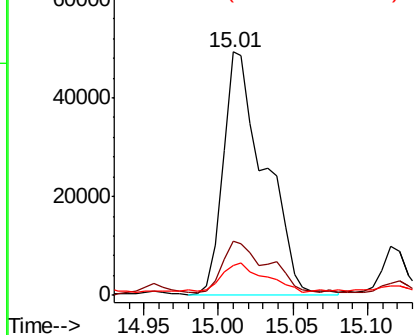
#89
Benzo(k)fluoranthene
Concen: 10.237 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 96180
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 12.2 8.6 13.0

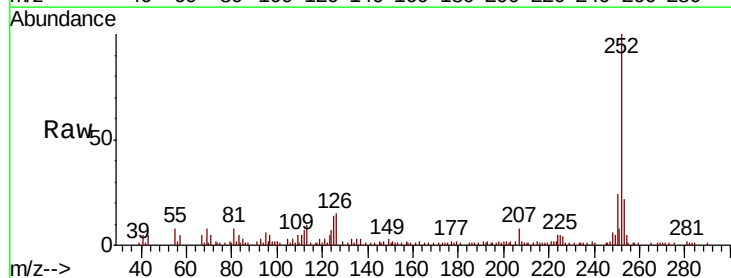


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

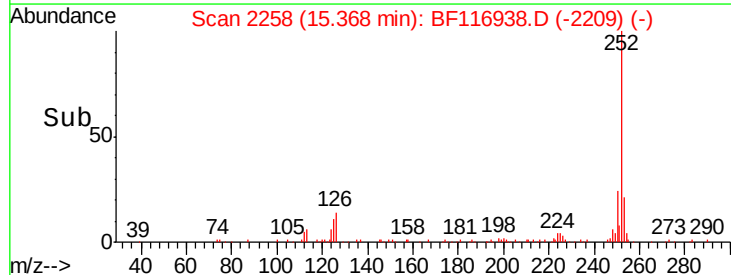
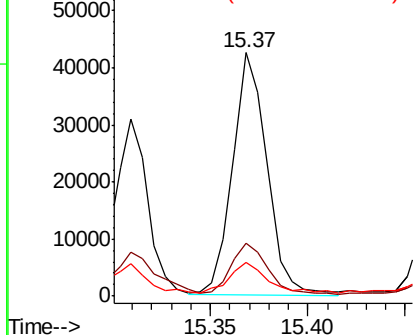


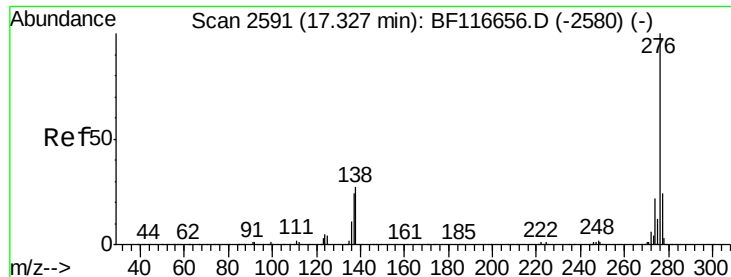
#90
Benzo(a)pyrene
Concen: 5.814 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion:252 Resp: 52123
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 13.9 9.8 14.8



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





#92
 Benzo(a,h,i)perylene
 Concen: 3.662 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.01 min
 Lab File: BF116938.D
 Acq: 10 Sep 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.5	27.7
138	28.5	16.2	24.2

