

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033120\
 Data File : BF119658.D
 Acq On : 31 Mar 2020 18:07
 Operator : MA/SJ
 Sample : L2055-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-(1-3)

Quant Time: Apr 01 00:03:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 31 14:11:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	333034	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1207793	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	579041	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	915950	20.00	ng	0.00
76) Chrysene-d12	14.01	240	568726	20.00	ng	0.00
87) Perylene-d12	15.48	264	556919	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1817202	86.86	ng	0.01
7) Phenol-d6	6.46	99	2279360	85.29	ng	0.00
23) Nitrobenzene-d5	7.39	82	1399152	62.96	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	471353	78.90	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2209604	56.53	ng	0.00
79) Terphenyl-d14	12.96	244	1745855	60.14	ng	0.00

Target Compounds

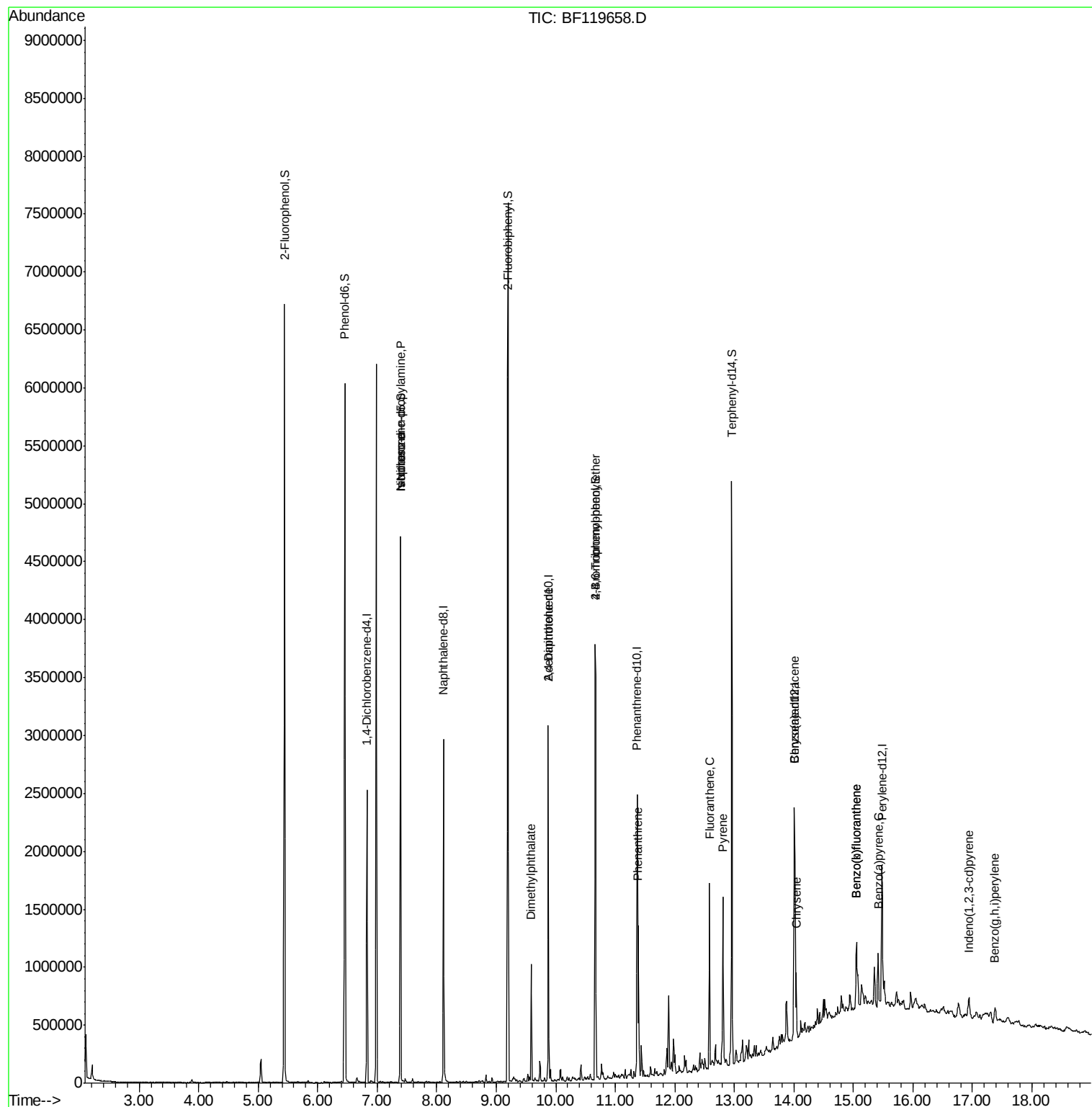
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	186027	11.55	ng	# 72
25) Isophorone	7.39	82	1386612	30.76	ng	# 65
50) Dimethylphthalate	9.59	163	367083	8.93	ng	99
57) 2,4-Dinitrotoluene	9.87	165	74373	6.70	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	28680	2.75	ng	# 1
71) Phenanthrene	11.39	178	465581	9.80	ng	97
75) Fluoranthene	12.58	202	582881	11.34	ng	99
78) Pyrene	12.81	202	565387	12.11	ng	98
81) Benzo(a)anthracene	14.00	228	263236	7.12	ng	95
83) Chrysene	14.04	228	250696	6.57	ng	96
86) Indeno(1,2,3-cd)pyrene	16.94	276	127305	3.54	ng	97
88) Benzo(b)fluoranthene	15.05	252	426608	11.47	ng	# 95
89) Benzo(k)fluoranthene	15.05	252	426608	12.04	ng	96
90) Benzo(a)pyrene	15.42	252	226738	6.71	ng	97
92) Benzo(g,h,i)perylene	17.38	276	119985	4.04	ng	93

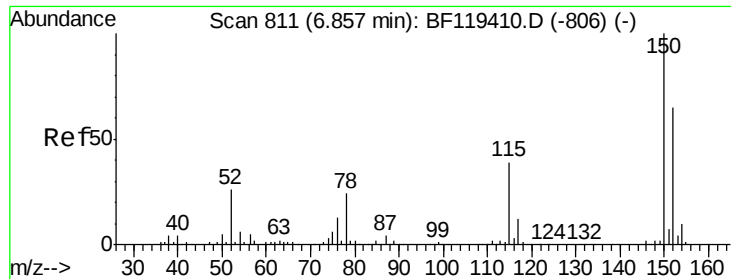
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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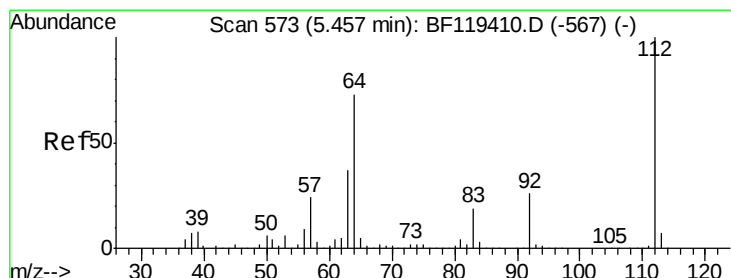
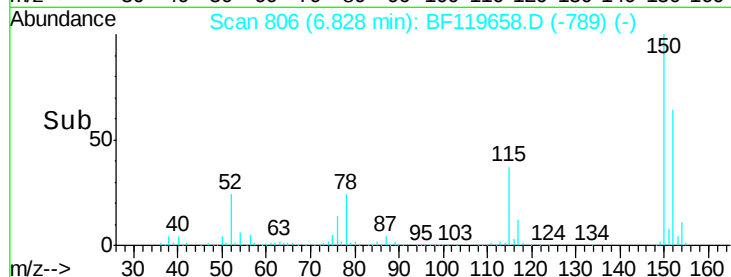
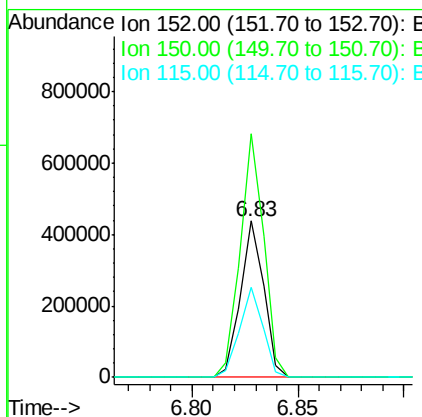
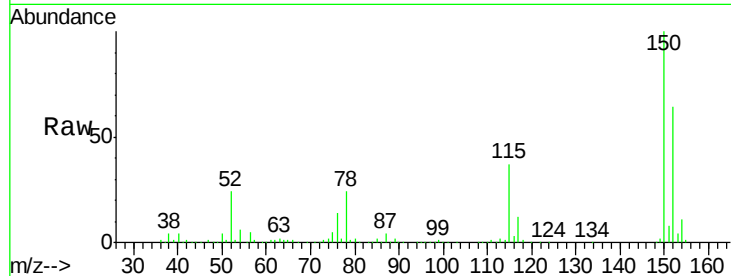


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

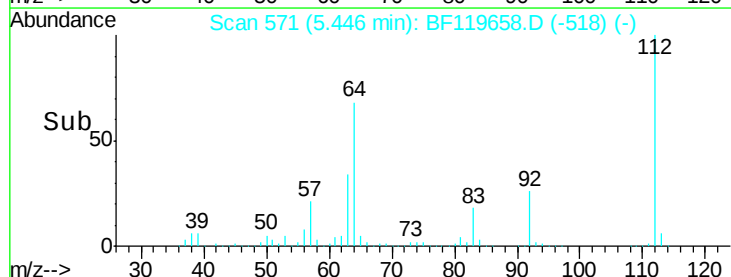
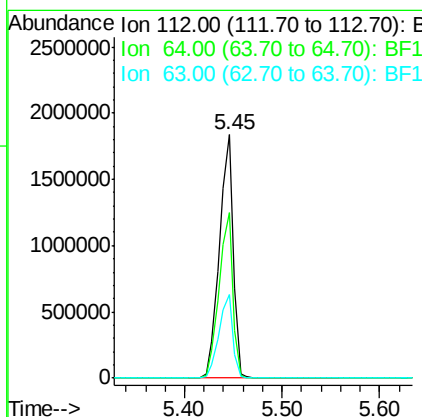
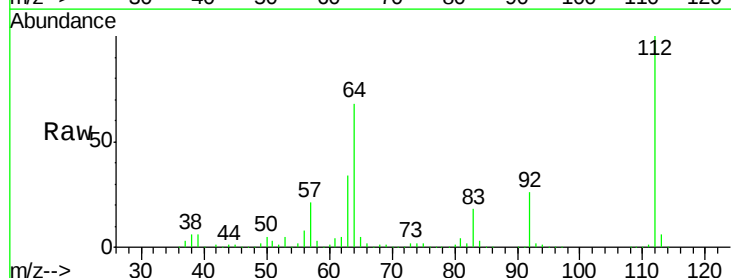
Tgt Ion:152 Resp: 333034
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 57.9 49.6 74.4

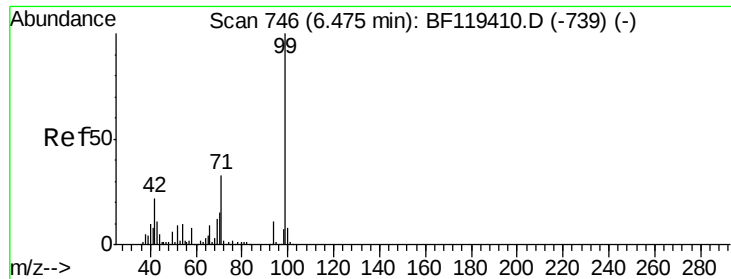


#5

2-Fluorophenol
Concen: 86.86 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion:112 Resp: 1817202
Ion Ratio Lower Upper
112 100
64 68.0 56.7 85.1
63 34.3 29.5 44.3





#7

Phenol-d6

Concen: 85.29 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Instrument :

BNA_F

ClientSampled :

SB-2-(1-3)

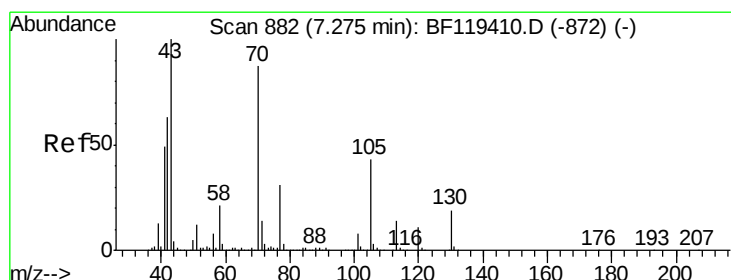
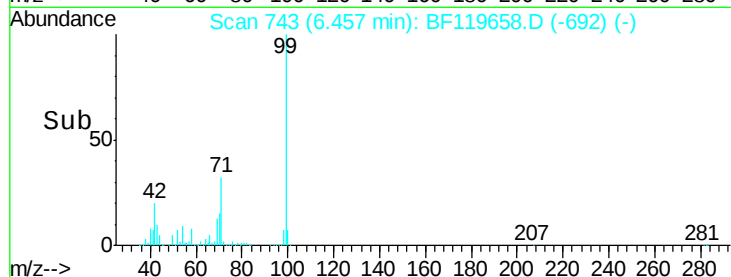
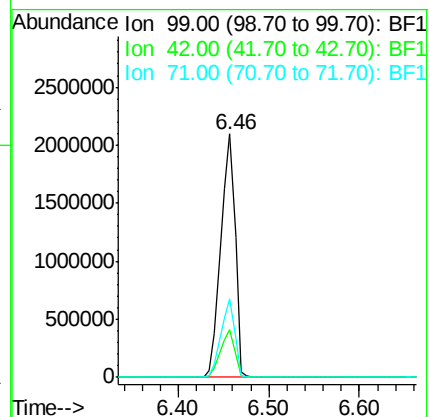
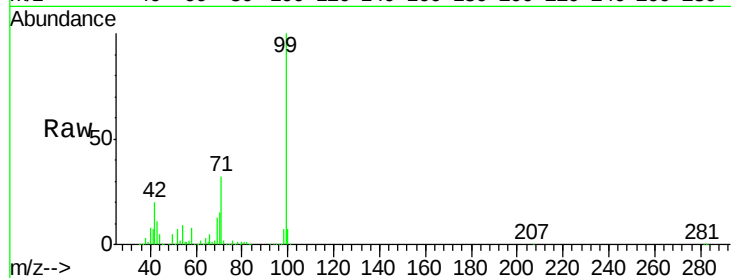
Tgt Ion: 99 Resp: 2279360

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

71 32.4 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.55 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Tgt Ion: 70 Resp: 186027

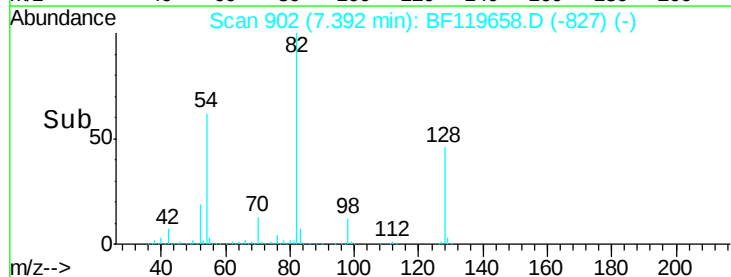
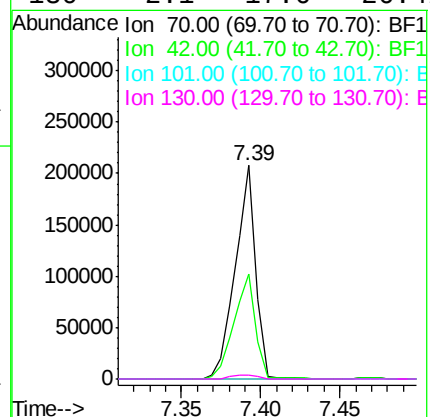
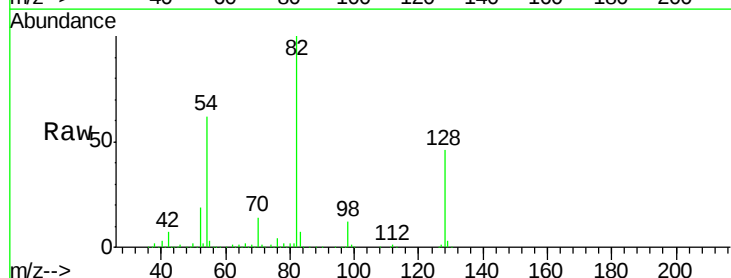
Ion Ratio Lower Upper

70 100

42 49.1 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#



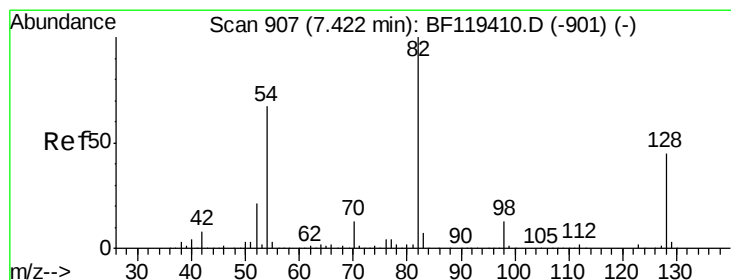
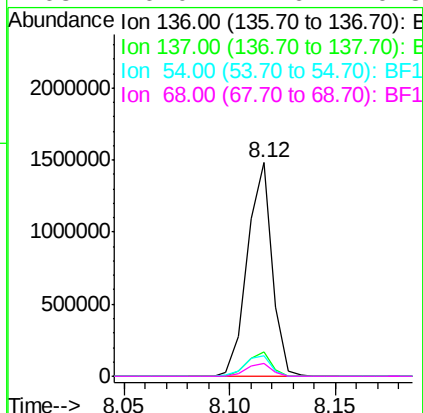
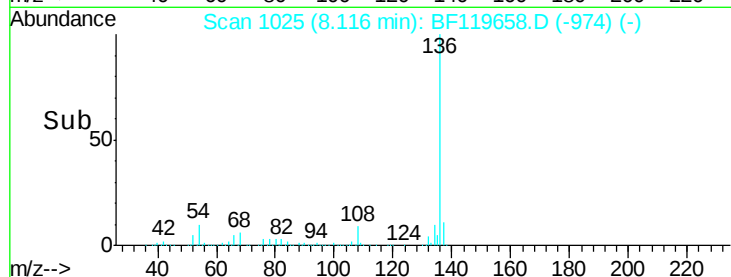
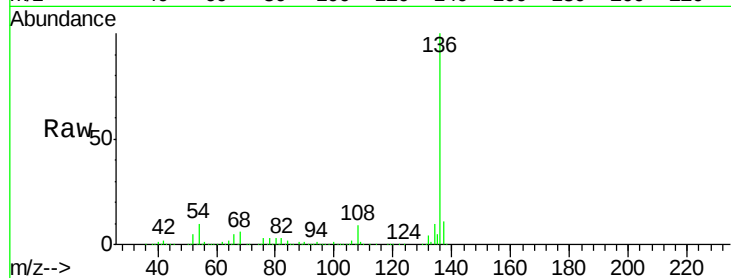


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tgt Ion:136 Resp: 1207793

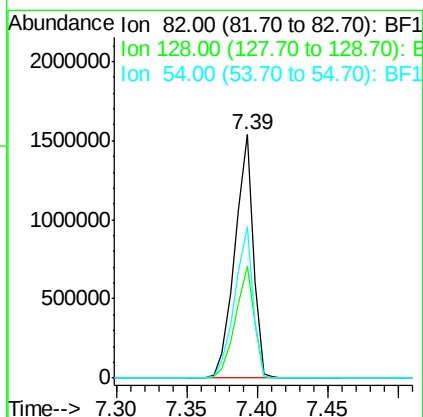
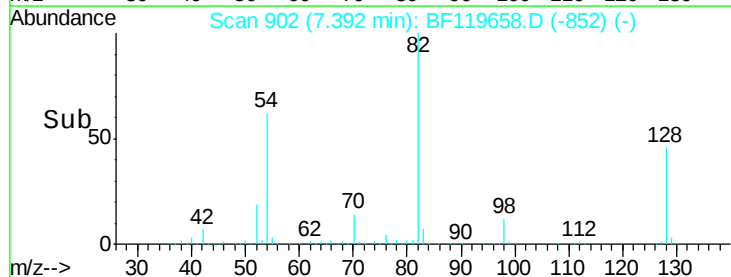
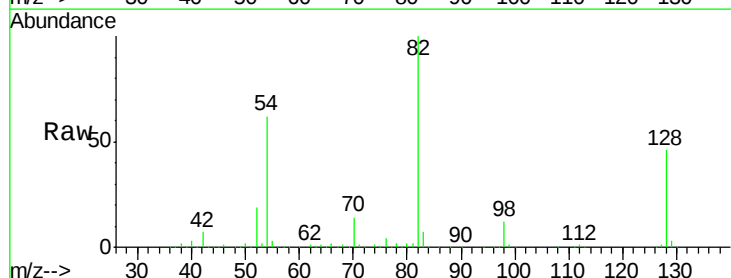
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	9.8	9.1	13.7
68	6.0	4.6	6.8

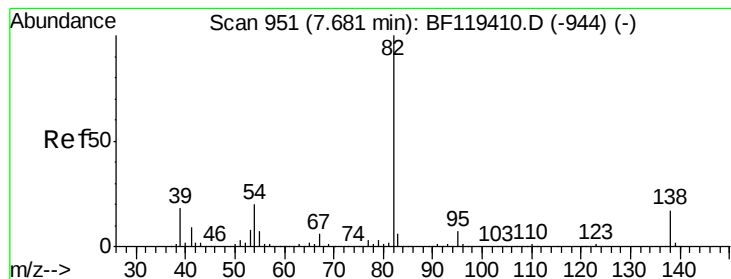


#23
Nitrobenzene-d5
Concen: 62.96 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion: 82 Resp: 1399152

Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.3	54.5
54	62.4	50.6	75.8





#25

Isophorone

Concen: 30.76 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Instrument :

BNA_F

ClientSampleId :

SB-2-(1-3)

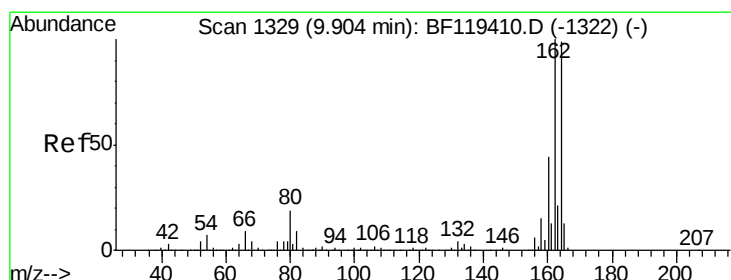
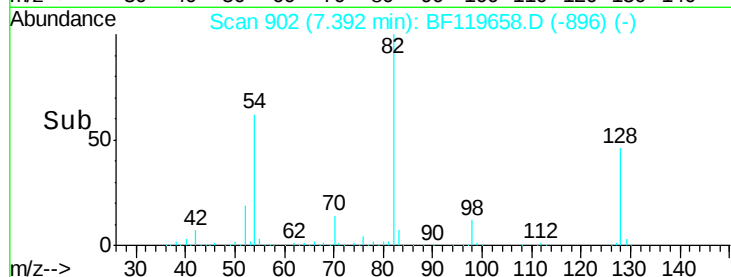
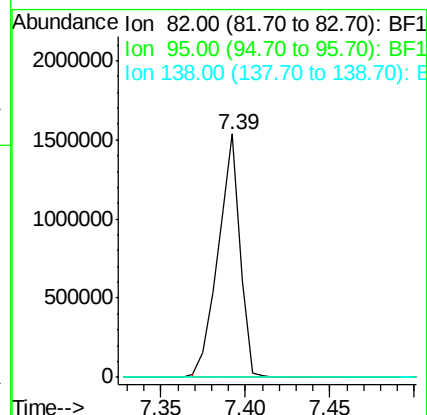
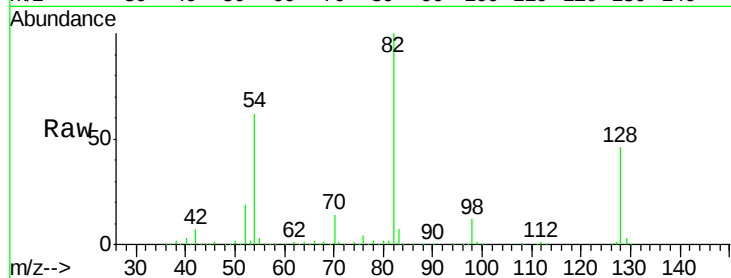
Tgt Ion: 82 Resp: 1386612

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

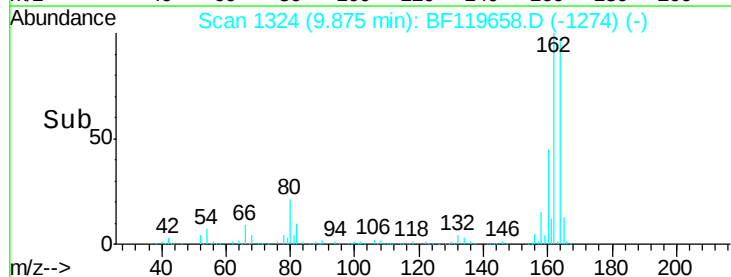
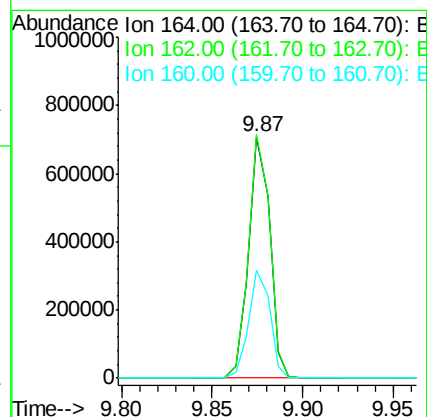
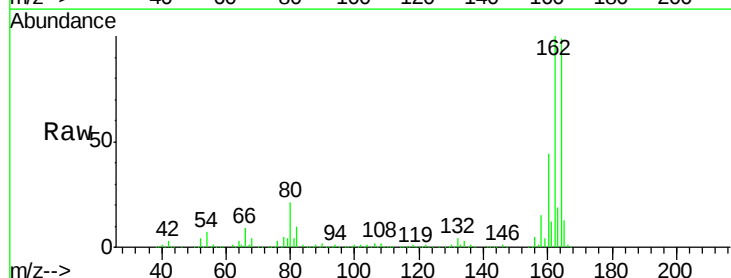
Tgt Ion: 164 Resp: 579041

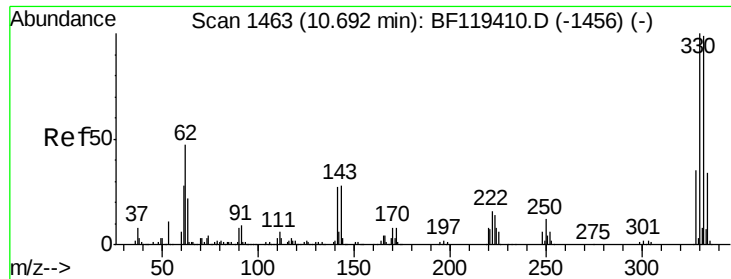
Ion Ratio Lower Upper

164 100

162 101.0 80.6 121.0

160 44.9 35.7 53.5

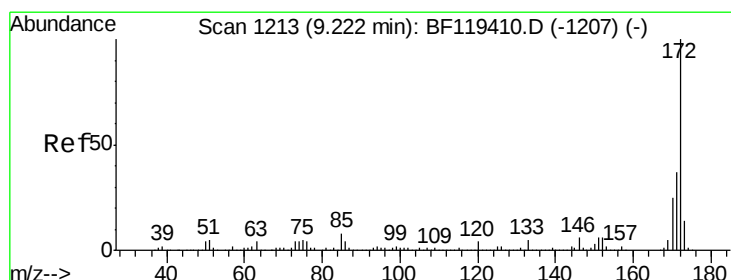
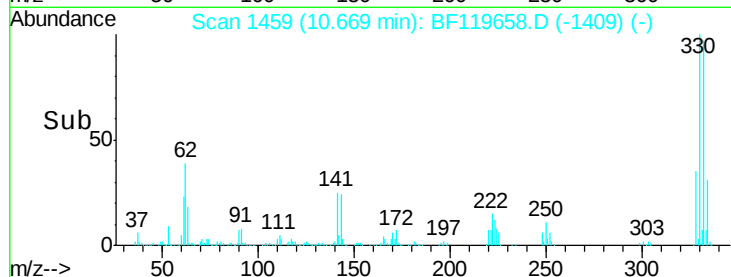
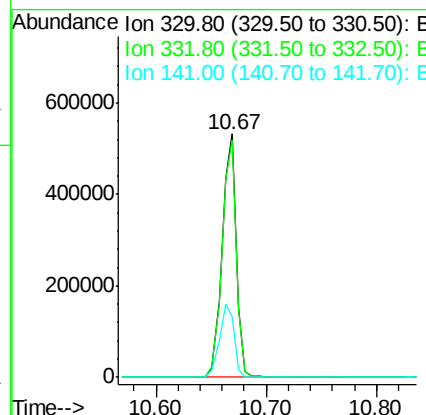
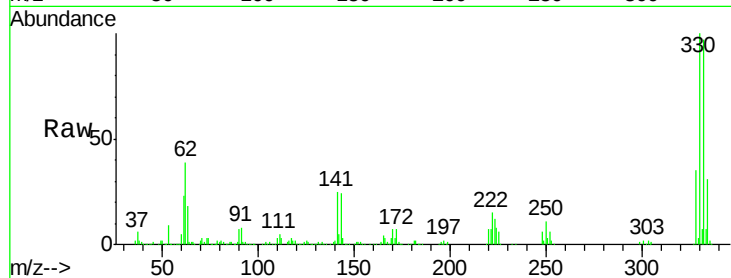




#42
 2,4,6-Tribromophenol
 Concen: 78.90 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

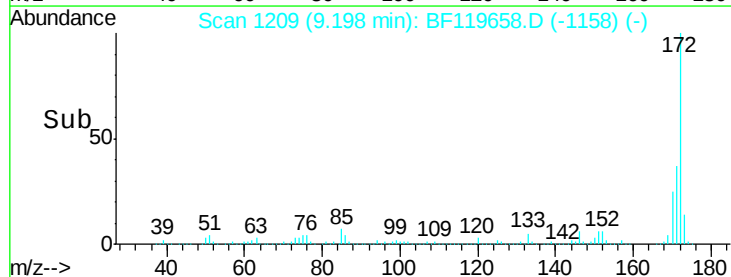
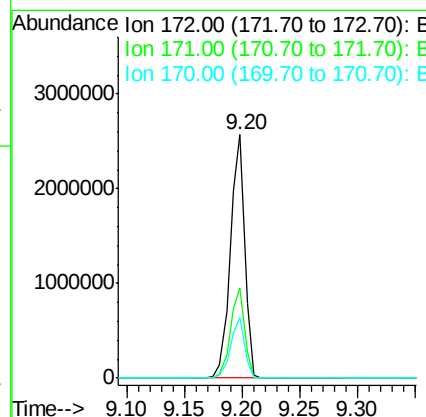
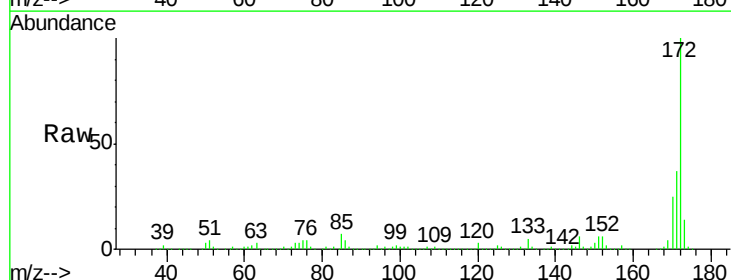
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 SB-2-(1-3)

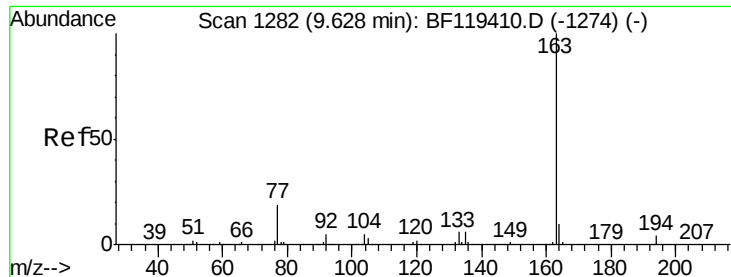
Tgt Ion:330 Resp: 471353
 Ion Ratio Lower Upper
 330 100
 332 98.1 75.7 113.5
 141 30.7 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 56.53 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Tgt Ion:172 Resp: 2209604
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.8 20.2 30.2

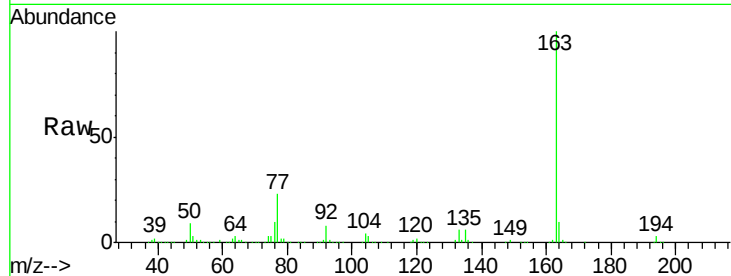




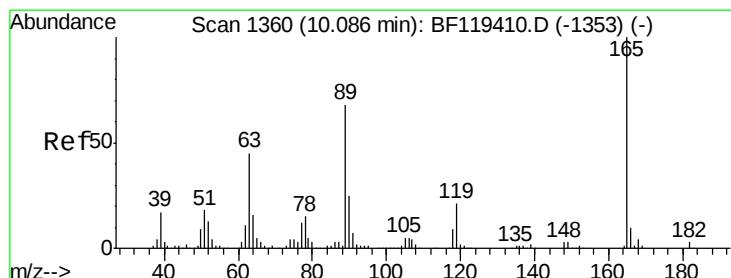
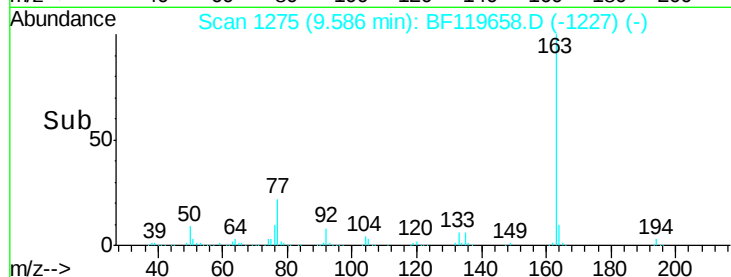
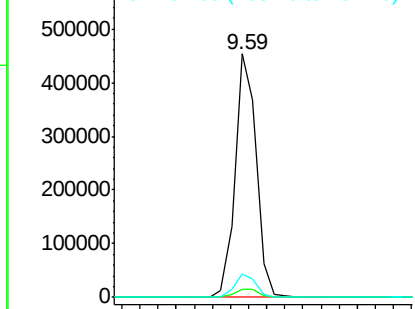
#50
Dimethylphthalate
Concen: 8.93 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tgt Ion:163 Resp: 367083
Ion Ratio Lower Upper
163 100
194 3.5 3.1 4.7
164 9.9 8.2 12.2

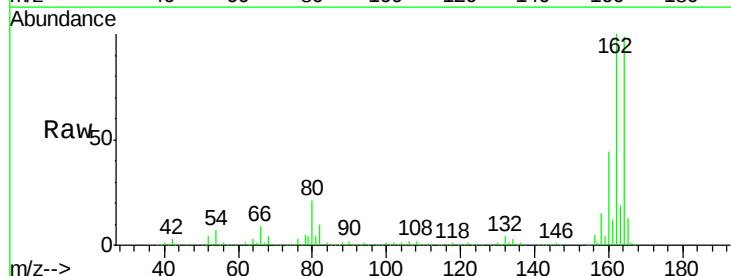


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

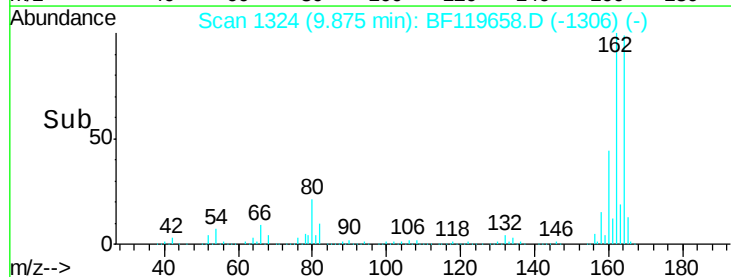
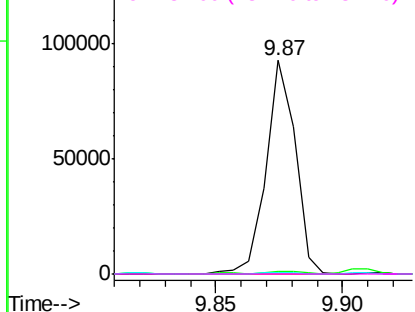


#57
2,4-Dinitrotoluene
Concen: 6.70 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion:165 Resp: 74373
Ion Ratio Lower Upper
165 100
63 1.5 42.6 64.0#
89 0.9 61.0 91.4#
182 0.0 2.2 3.2#



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

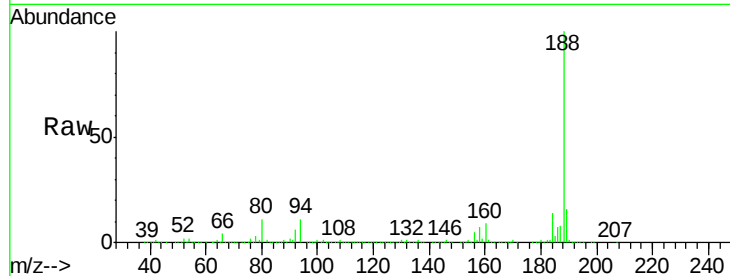




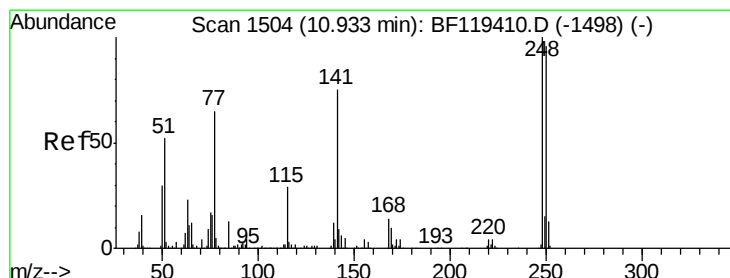
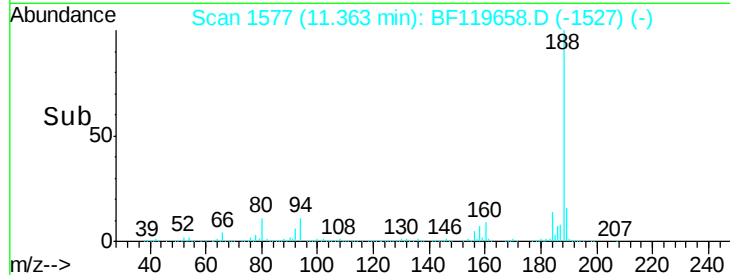
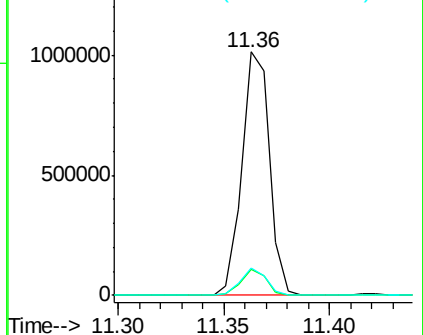
#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Instrument :
 BNA_F
 ClientSampled :
 SB-2-(1-3)

Tgt Ion:188 Resp: 915950
 Ion Ratio Lower Upper
 188 100
 94 10.7 7.5 11.3
 80 11.3 9.0 13.4

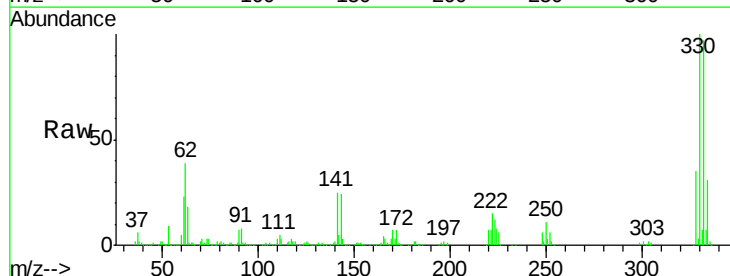


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

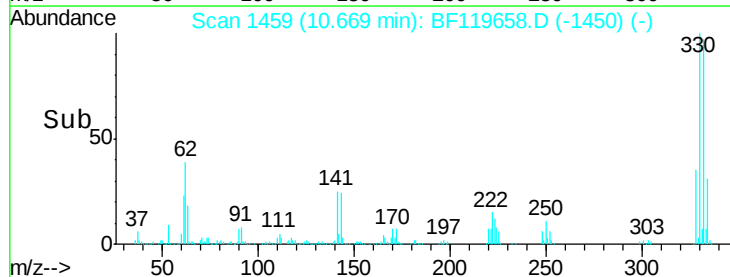
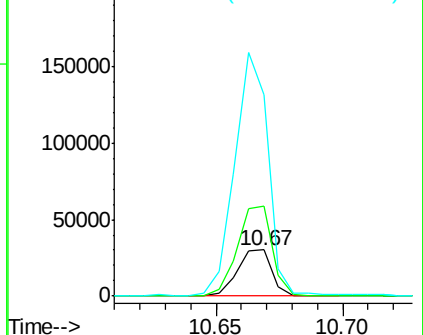


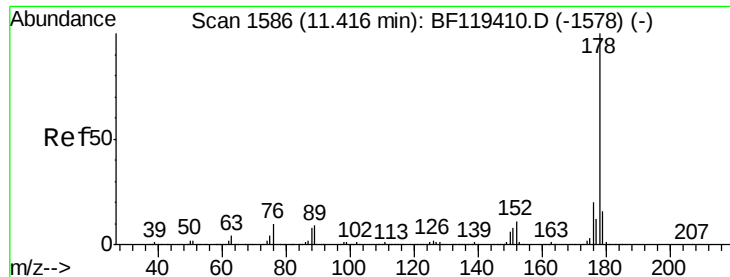
#67
 4-Bromophenyl-phenylether
 Concen: 2.75 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Tgt Ion:248 Resp: 28680
 Ion Ratio Lower Upper
 248 100
 250 195.3 77.3 115.9#
 141 436.5 58.6 87.8#



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: 9.80 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Instrument :

BNA_F

ClientSampleId :

SB-2-(1-3)

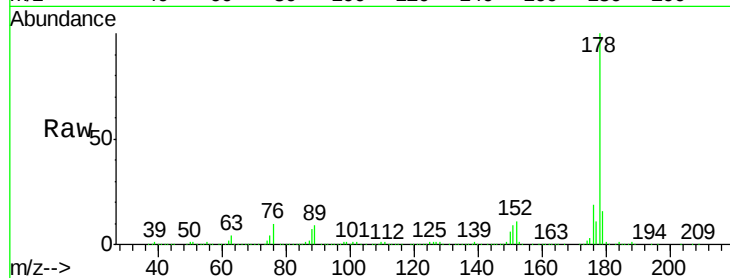
Tgt Ion:178 Resp: 465581

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

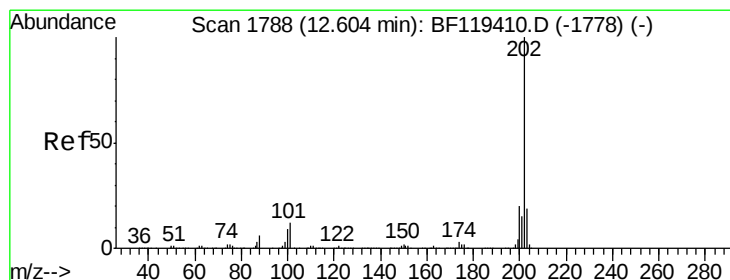
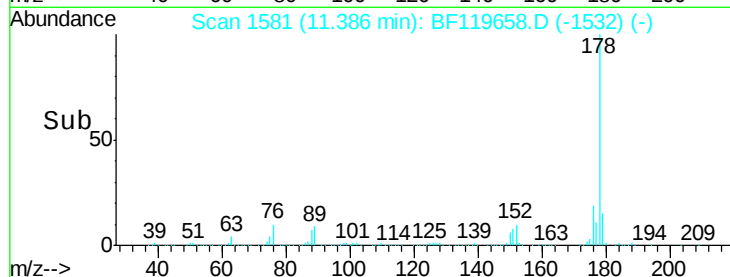
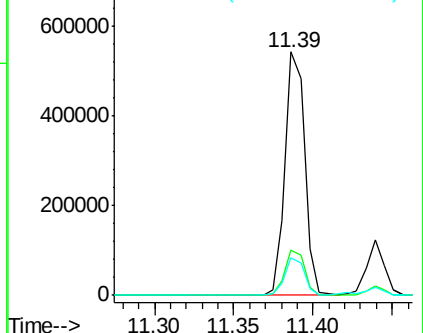
179 15.5 13.2 19.8



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: 11.34 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF119658.D

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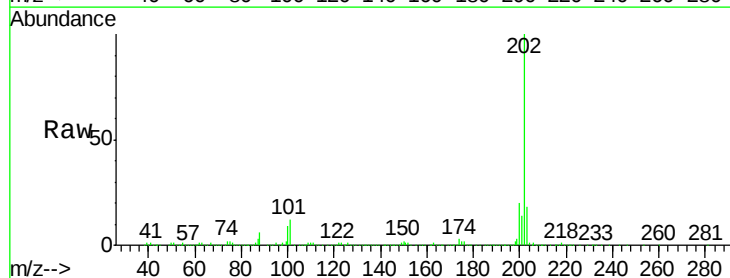
Tgt Ion:202 Resp: 582881

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.2

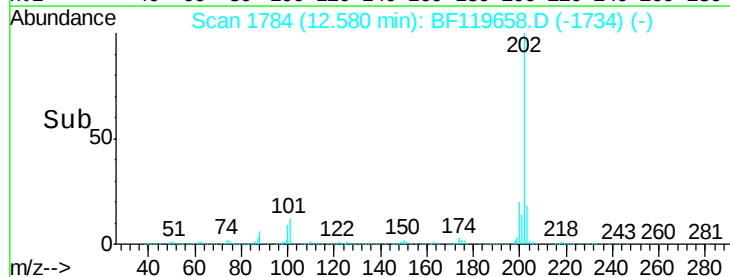
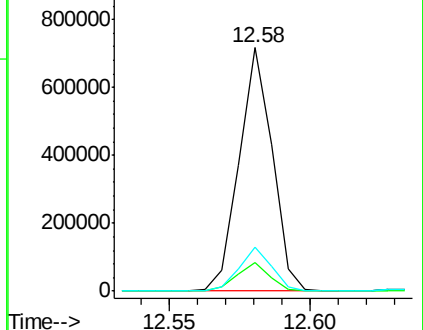
203 18.0 0.0 38.8

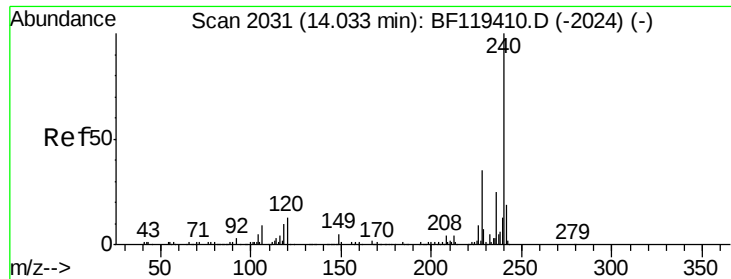


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

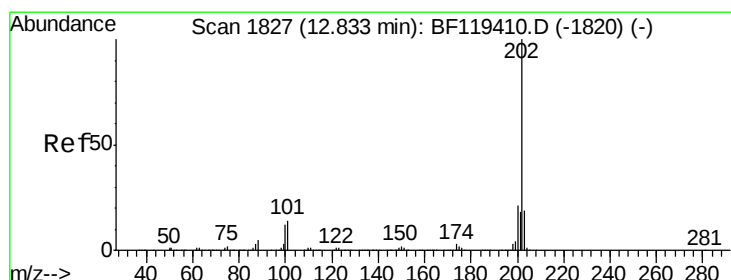
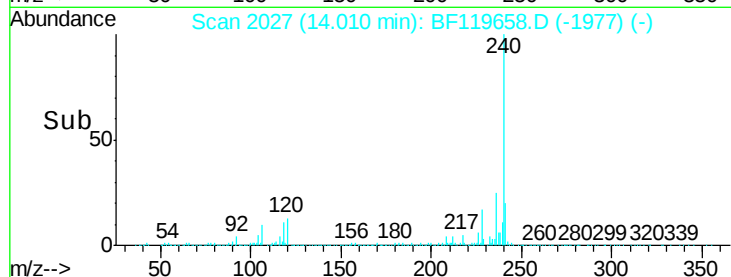
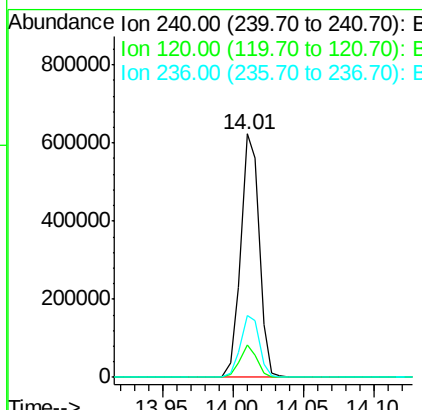
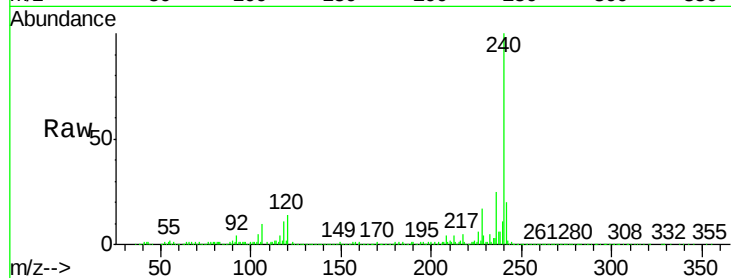




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

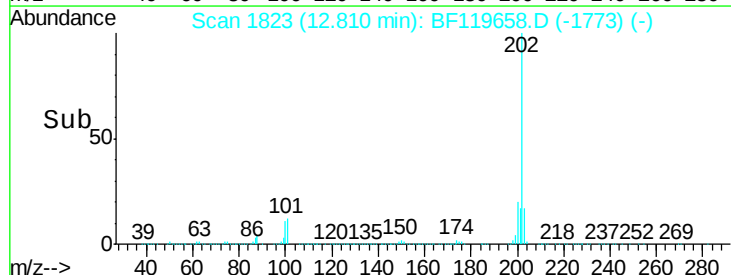
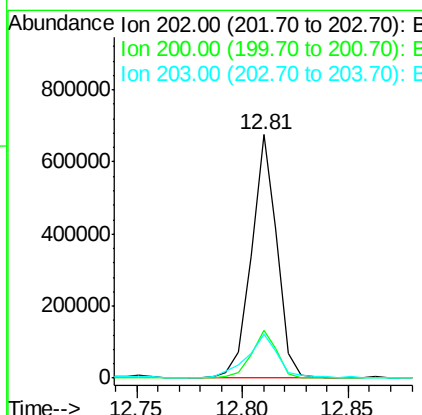
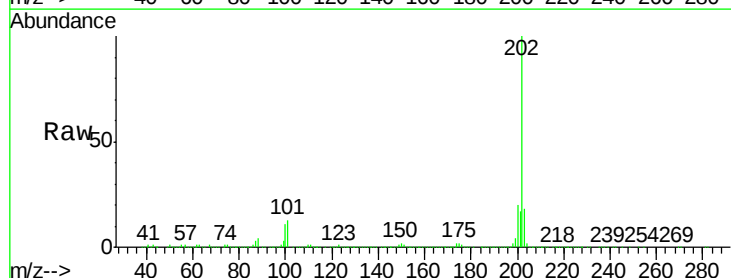
Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

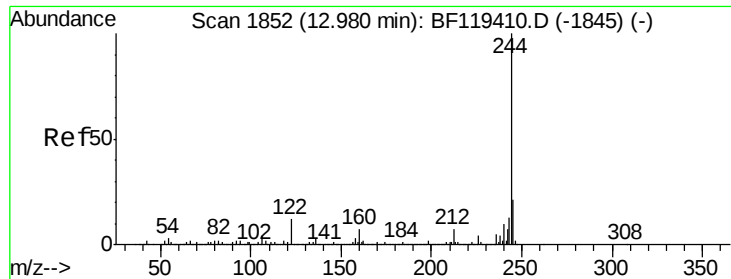
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.6	10.6	15.8
236	25.4	20.2	30.2



#78
Pyrene
Concen: 12.11 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.8	25.2
203	17.9	15.1	22.7

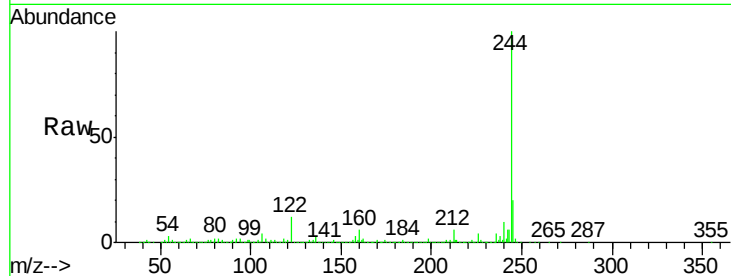




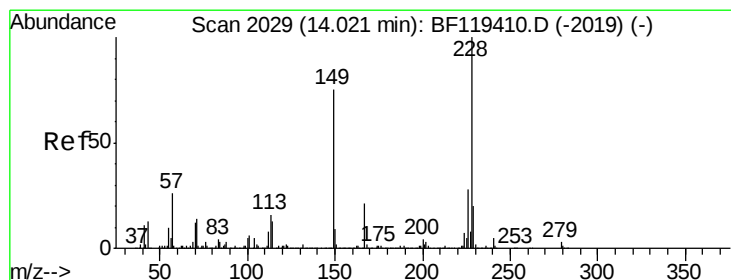
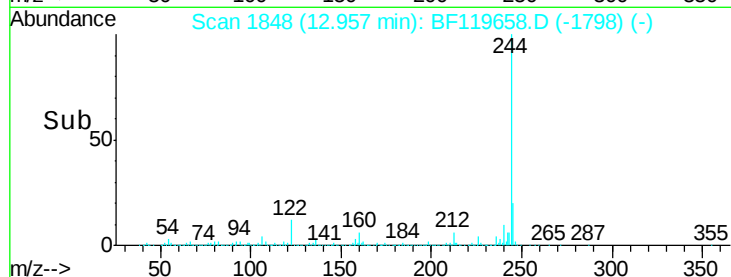
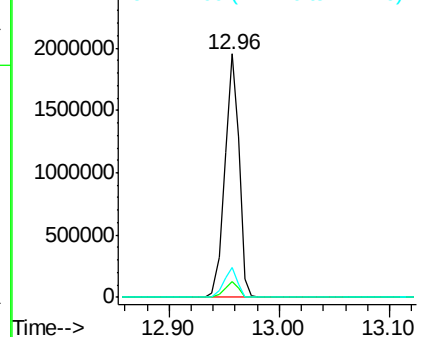
#79
 Terphenyl-d14
 Concen: 60.14 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-(1-3)

Tgt Ion:244 Resp: 1745855
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.8 8.8
 122 12.1 10.3 15.5

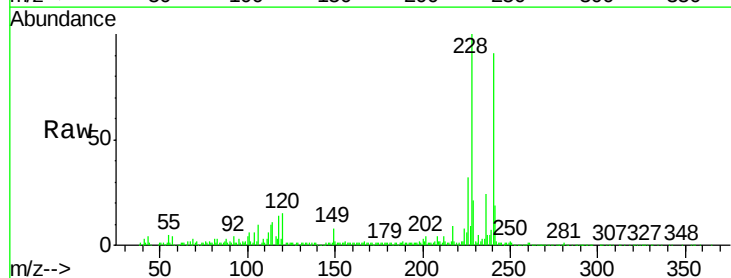


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

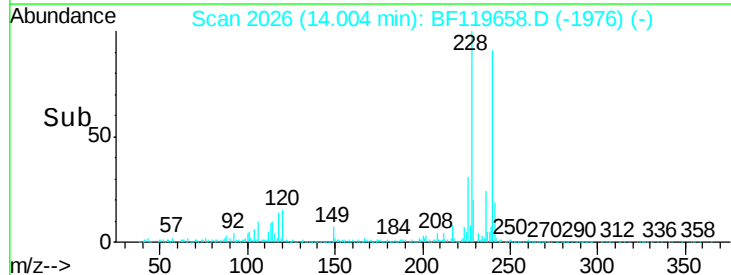
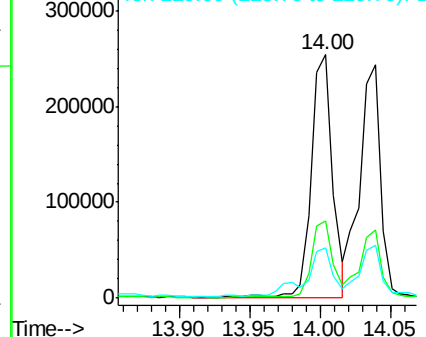


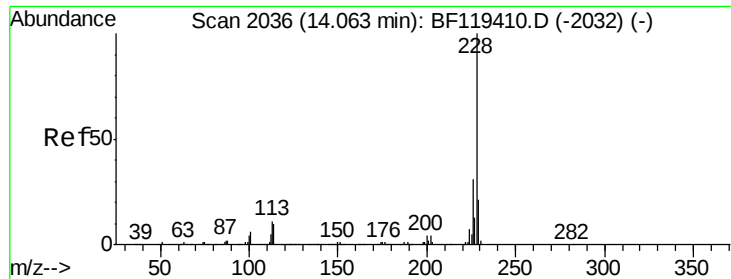
#81
 Benzo(a)anthracene
 Concen: 7.12 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Tgt Ion:228 Resp: 263236
 Ion Ratio Lower Upper
 228 100
 226 31.7 21.8 32.8
 229 20.8 16.2 24.4



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: 6.57 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

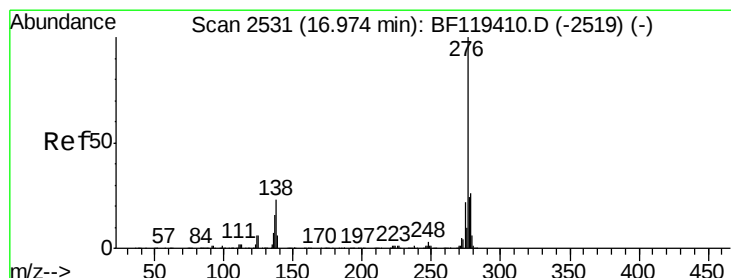
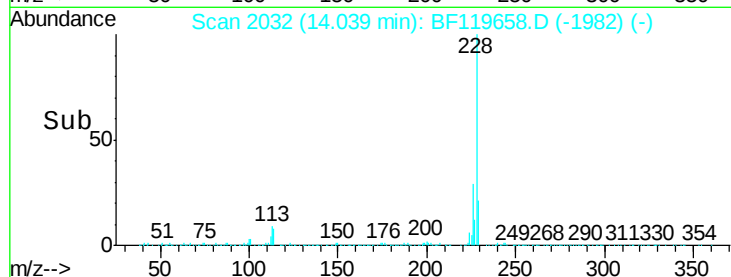
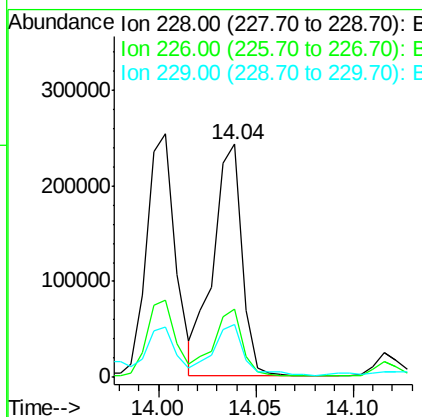
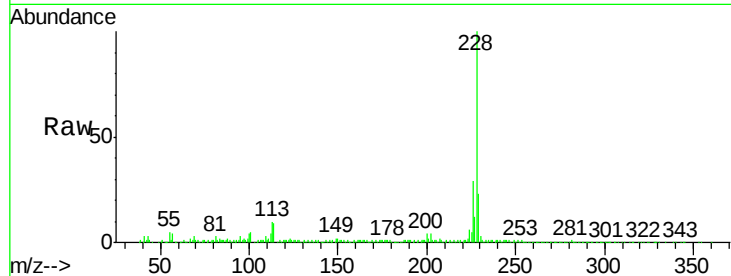
Instrument :

BNA_F

ClientSampleId :

SB-2-(1-3)

Tgt Ion:	228	Resp:	250696
Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.0
229	22.5	16.6	24.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.54 ng

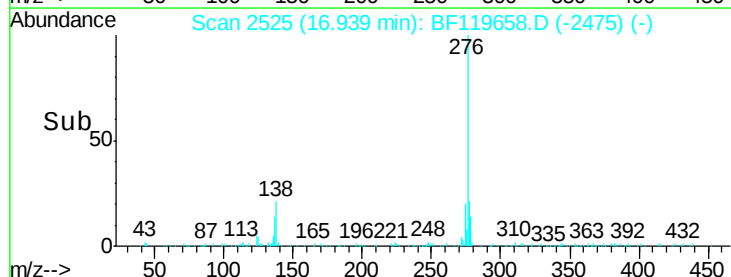
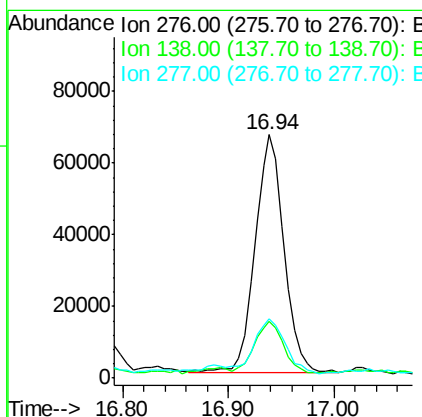
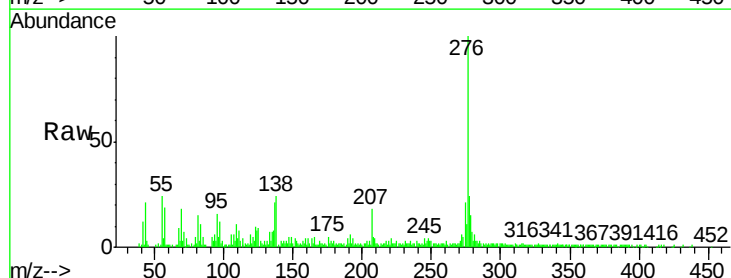
RT: 16.94 min Scan# 2525

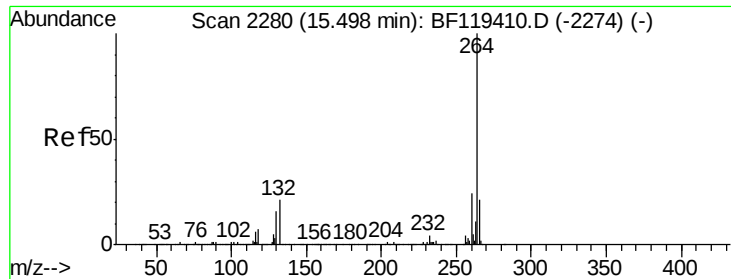
Delta R.T. -0.01 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Tgt Ion:	276	Resp:	127305
Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.6	29.4
277	24.6	20.0	30.0

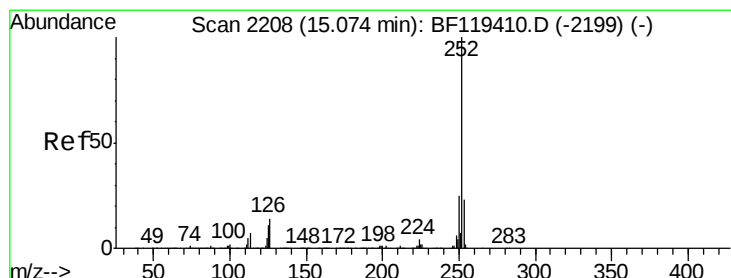
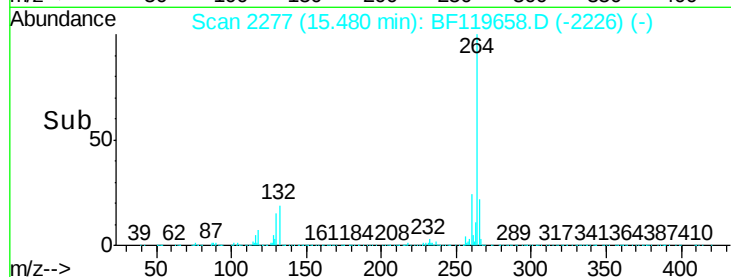
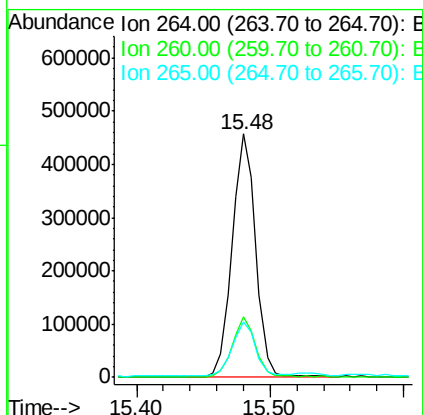
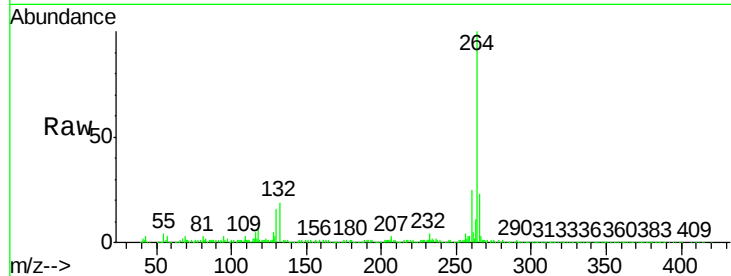




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

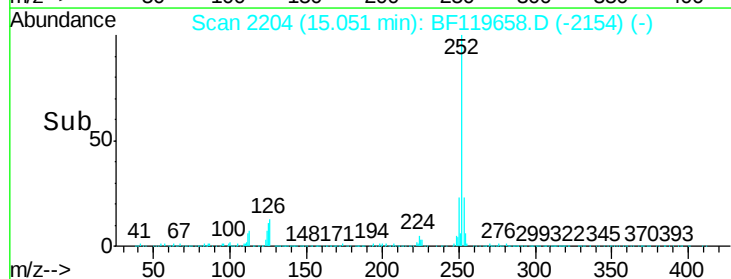
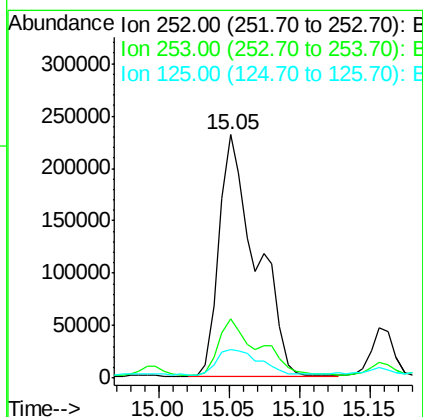
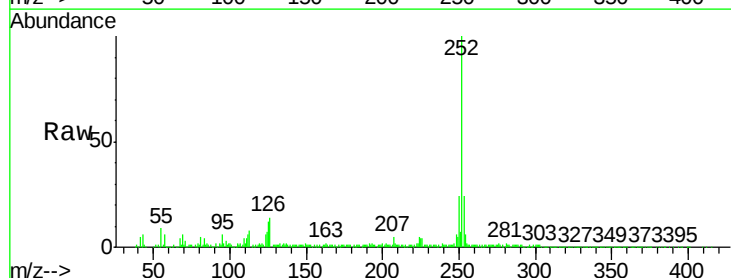
Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

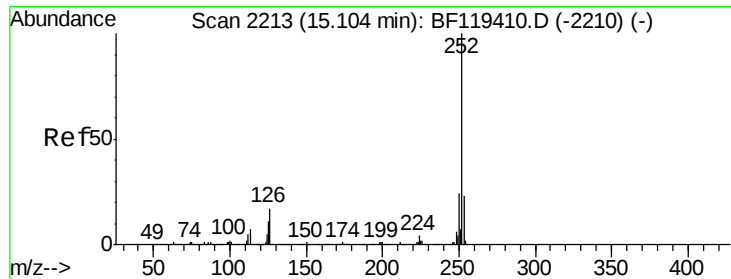
Tgt Ion:264 Resp: 556919
Ion Ratio Lower Upper
264 100
260 24.9 18.7 28.1
265 22.8 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 11.47 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion:252 Resp: 426608
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 12.0 7.9 11.9#

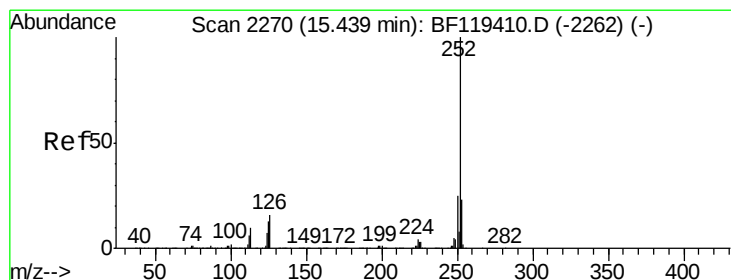
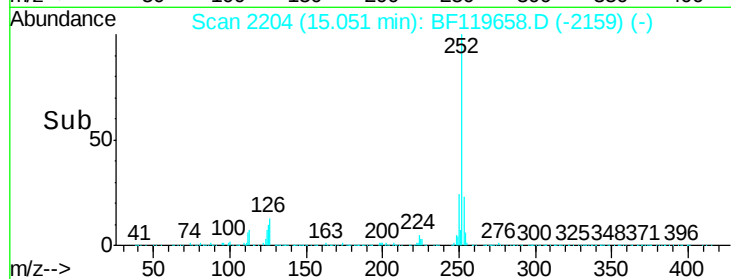
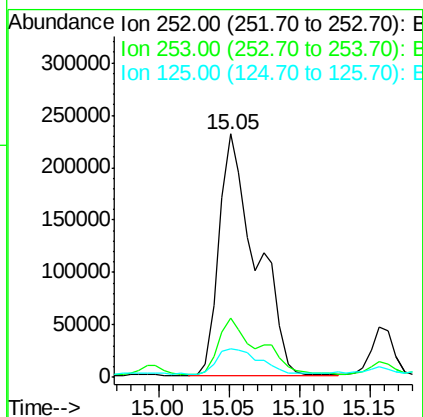
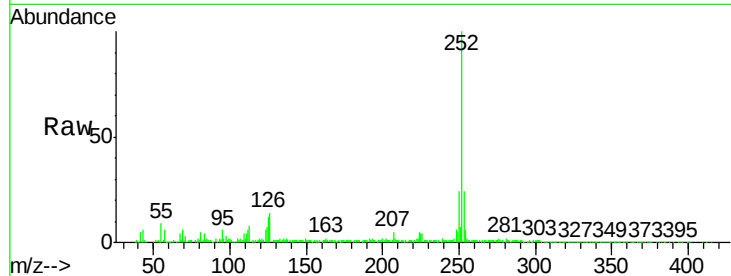




#89
Benzo(k)fluoranthene
Concen: 12.04 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

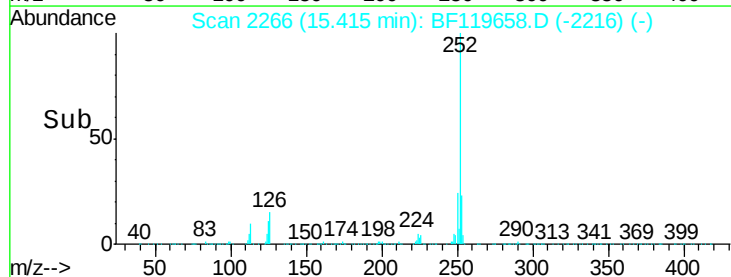
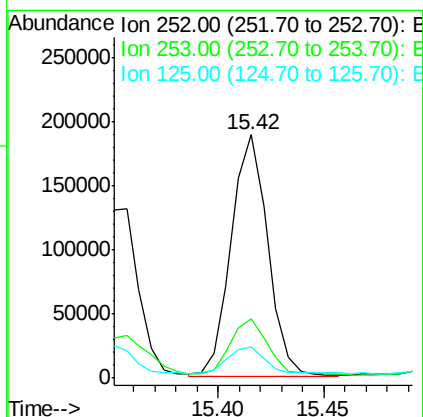
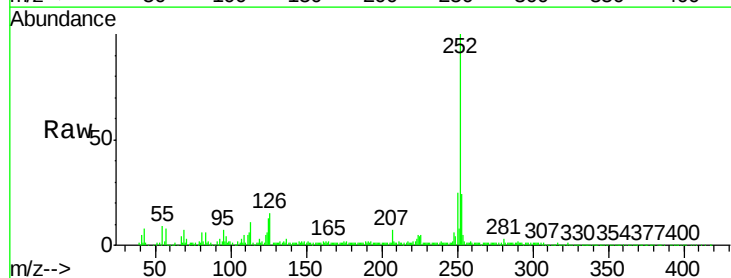
Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

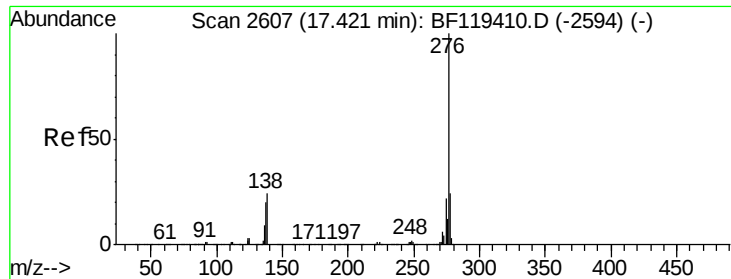
Tgt Ion:252 Resp: 426608
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 12.0 8.4 12.6



#90
Benzo(a)pyrene
Concen: 6.71 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion:252 Resp: 226738
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 13.0 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.04 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-(1-3)

Tgt Ion:	276	Resp:	119985
Ion Ratio		Lower	Upper
276	100		
277	26.6	18.4	27.6
138	22.2	15.4	23.0

