

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033020\
 Data File : BF119643.D
 Acq On : 30 Mar 2020 19:53
 Operator : MA/SJ
 Sample : L2042-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-1.0-1.5

Quant Time: Mar 31 00:32:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	292775	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1034425	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	466958	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	720164	20.00	ng	0.00
76) Chrysene-d12	14.01	240	518644	20.00	ng	0.00
87) Perylene-d12	15.48	264	457780	20.00	ng	0.00

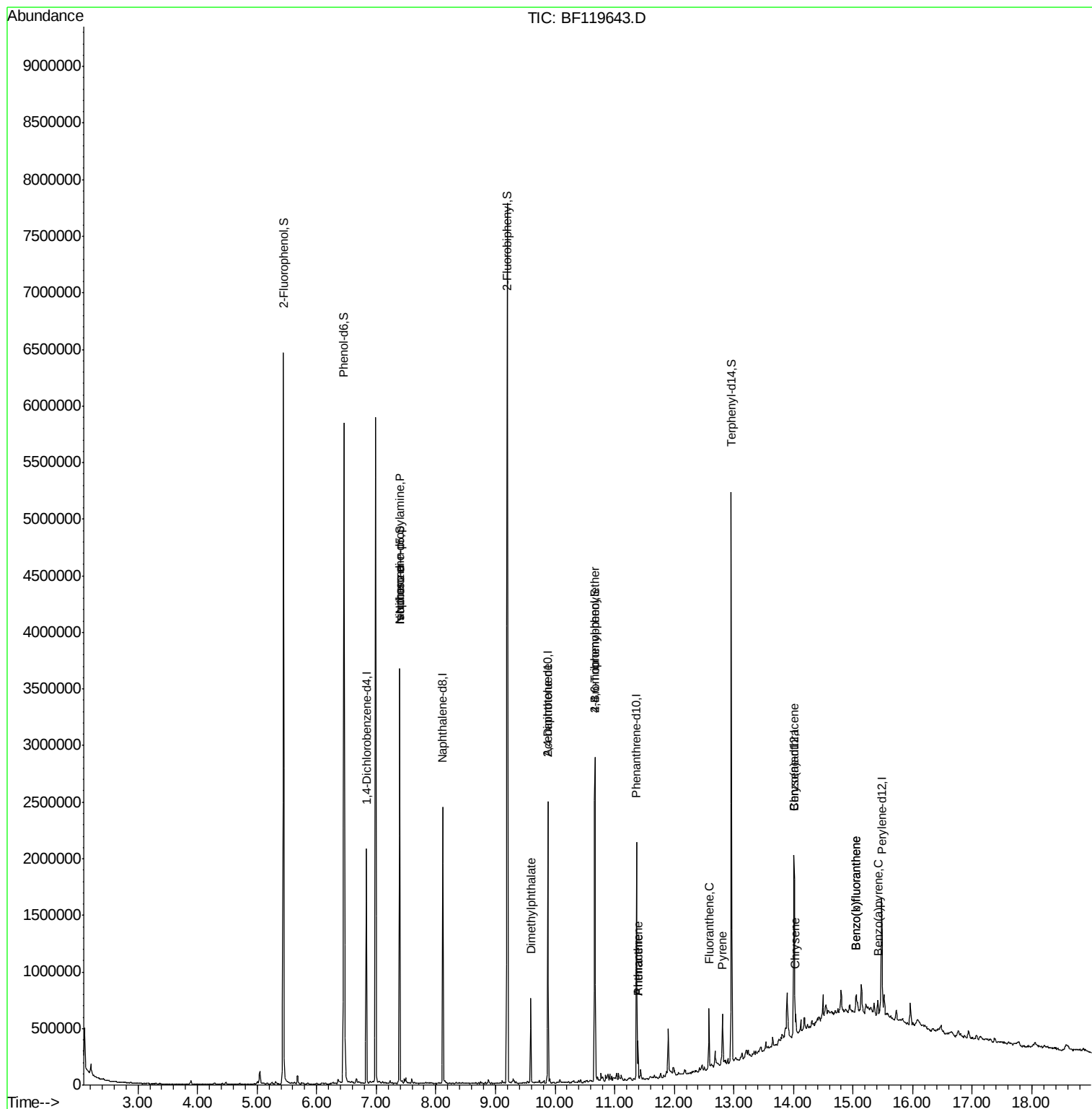
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1729503	94.04	ng	0.00
7) Phenol-d6	6.46	99	2261875	96.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	1076383	56.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	338578	70.28	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2401817	76.20	ng	0.00
79) Terphenyl-d14	12.96	244	1960166	74.05	ng	0.00

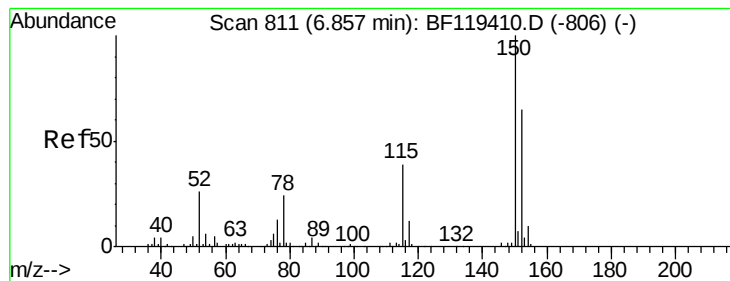
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	140220	9.90	ng	# 75
25) Isophorone	7.39	82	1067921	27.66	ng	# 65
50) Dimethylphthalate	9.59	163	263943	7.96	ng	98
57) 2,4-Dinitrotoluene	9.88	165	60897	6.80	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	20155	2.46	ng	# 1
71) Phenanthrene	11.39	178	118706	3.18	ng	99
72) Anthracene	11.39	178	118706	3.13	ng	99
75) Fluoranthene	12.58	202	206207	5.10	ng	99
78) Pyrene	12.81	202	182531	4.29	ng	98
81) Benzo(a)anthracene	14.00	228	92133	2.73	ng	95
83) Chrysene	14.04	228	81067	2.33	ng	96
88) Benzo(b)fluoranthene	15.05	252	134314	4.39	ng	# 91
89) Benzo(k)fluoranthene	15.05	252	134314	4.61	ng	# 92
90) Benzo(a)pyrene	15.42	252	66911	2.41	ng	# 91

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033020\
Data File : BF119643.D
Acq On : 30 Mar 2020 19:53
Operator : MA/SJ
Sample : L2042-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 31 00:32:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 27 07:52:09 2020
Response via : Initial Calibration



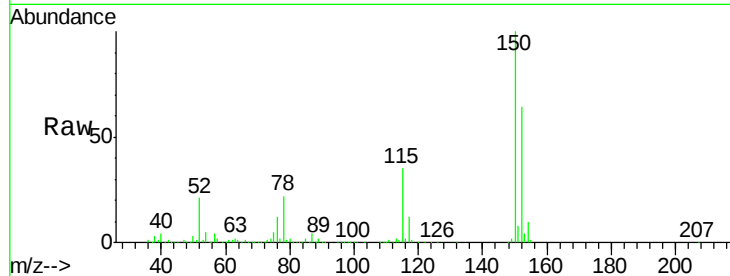


#1

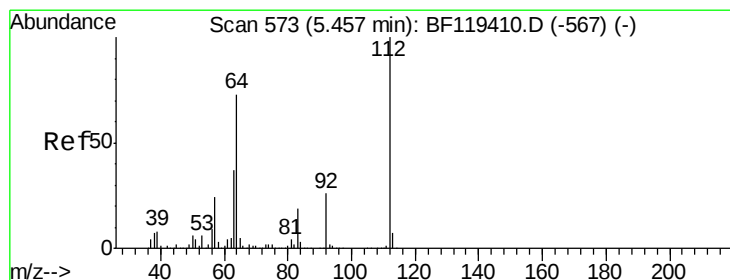
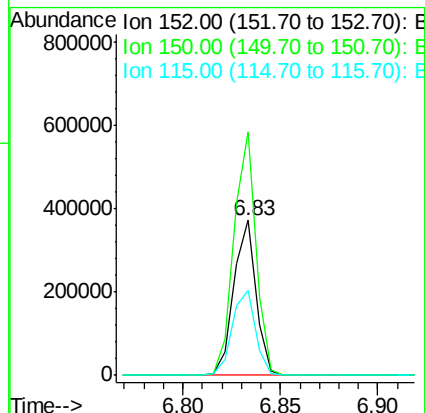
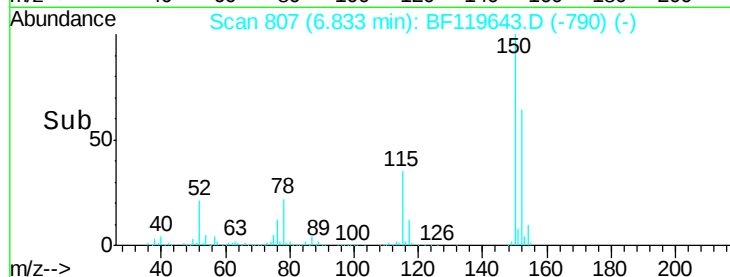
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.5	186.7
115	55.2	49.6	74.4



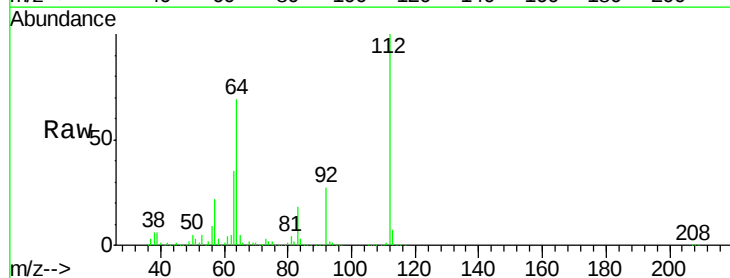
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



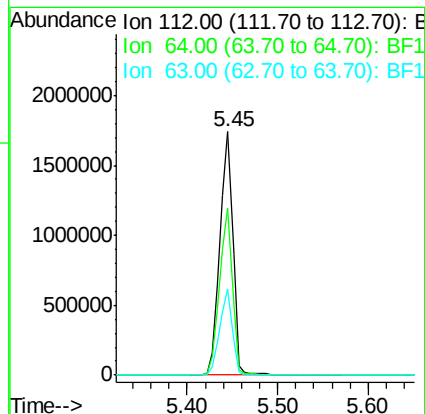
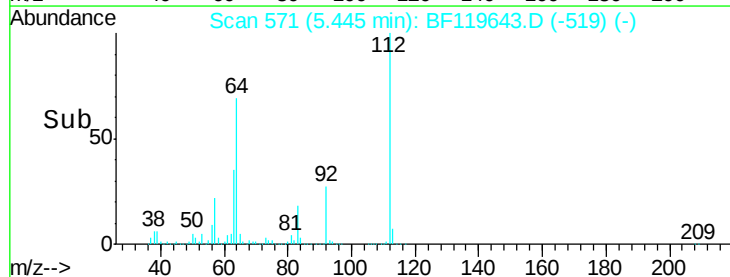
#5

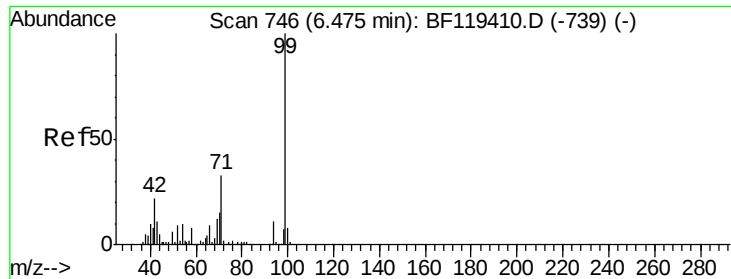
2-Fluorophenol
Concen: 94.04 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	56.7	85.1
63	35.5	29.5	44.3



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: 96.28 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

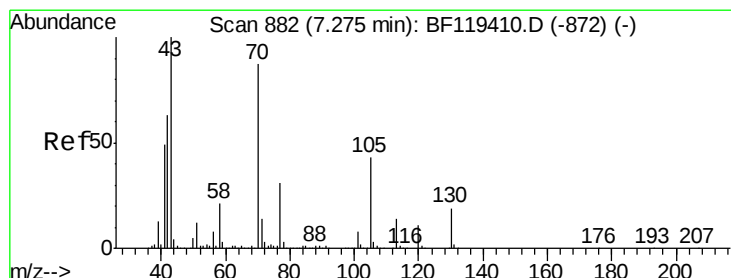
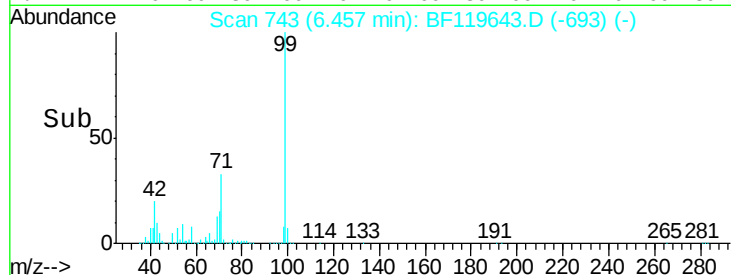
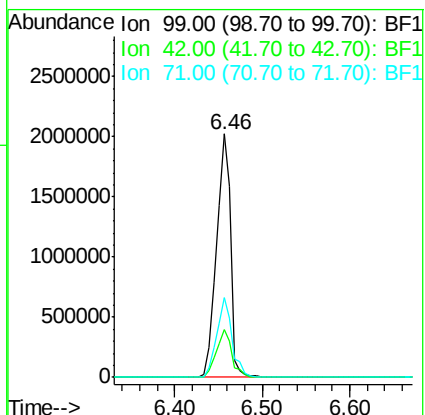
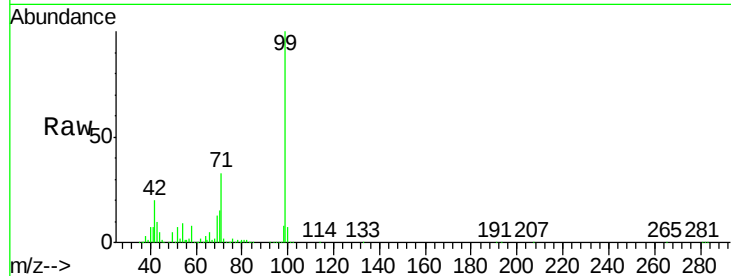
Tgt Ion: 99 Resp: 2261875

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 32.6 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.90 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Tgt Ion: 70 Resp: 140220

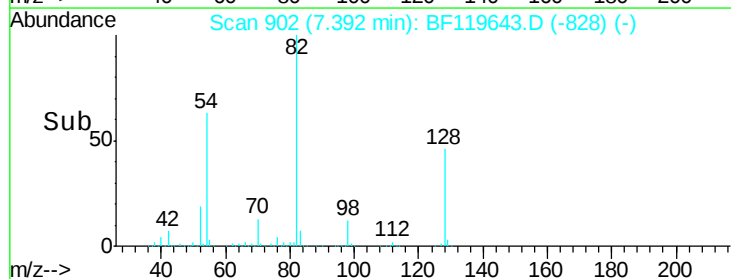
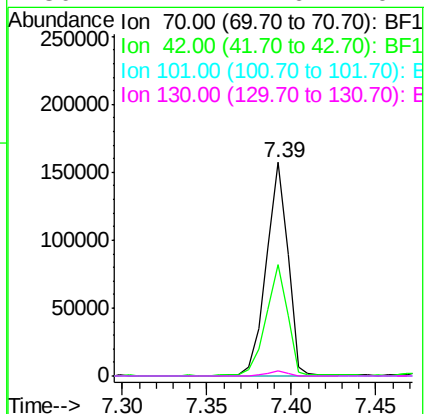
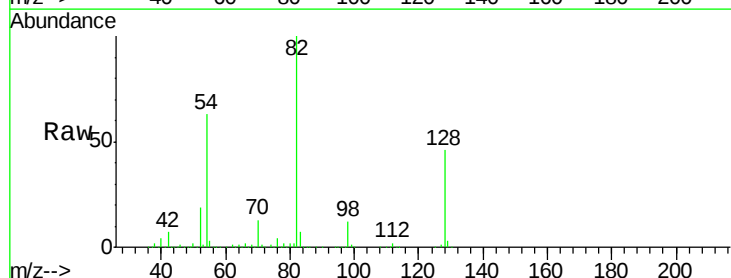
Ion Ratio Lower Upper

70 100

42 52.2 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#

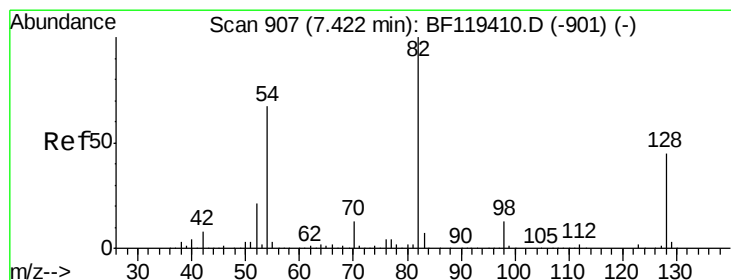
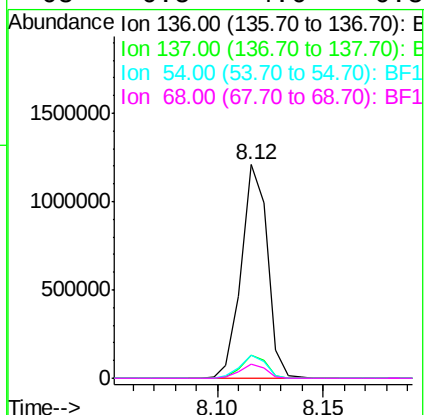
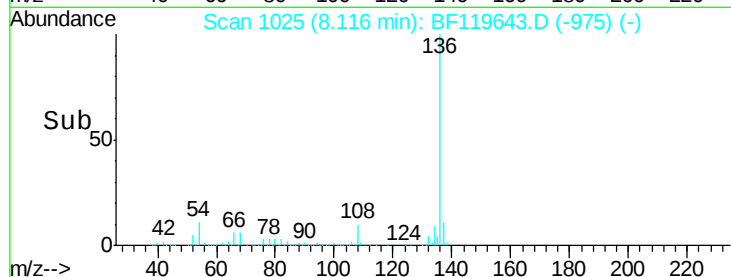
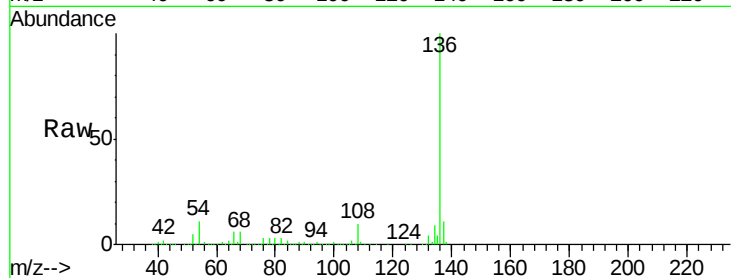




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

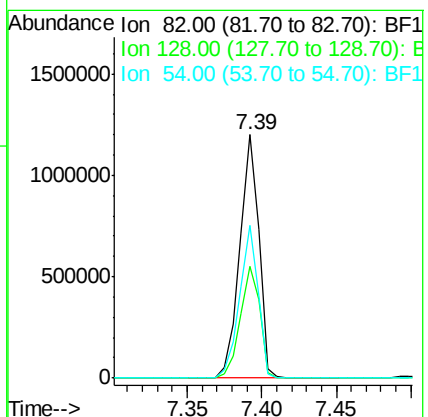
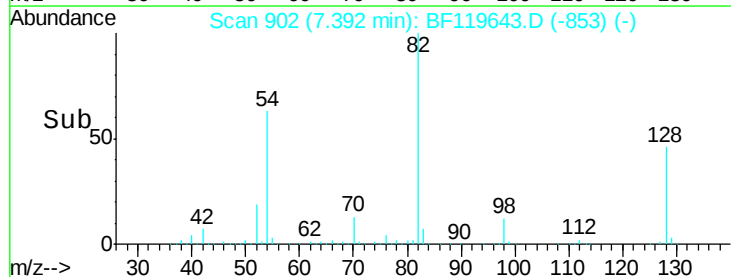
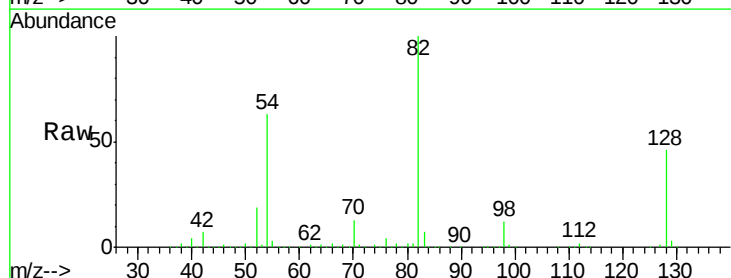
Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

Tgt Ion:	136	Resp:	1034425
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.9	9.1	13.7
68	6.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 56.55 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Tgt Ion:	82	Resp:	1076383
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.3	54.5
54	62.5	50.6	75.8





#25

Isophorone

Concen: 27.66 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.27 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

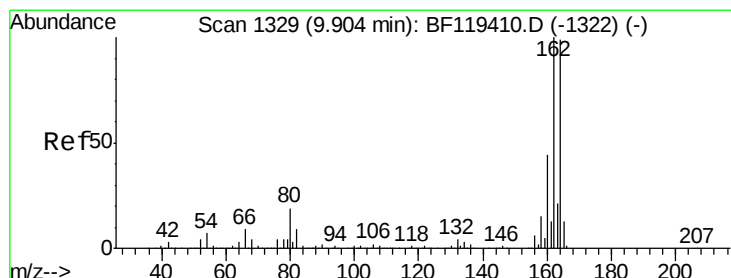
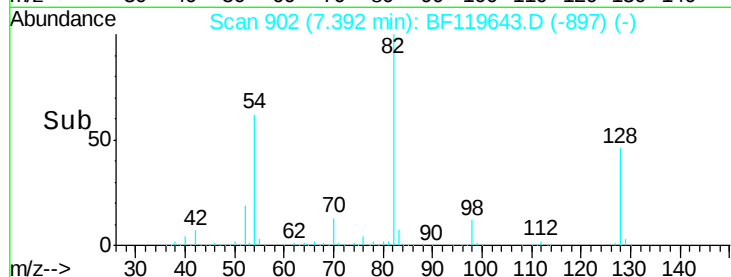
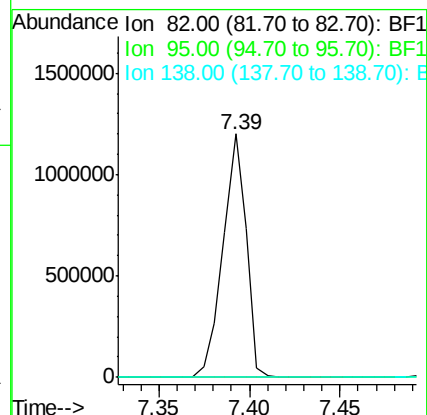
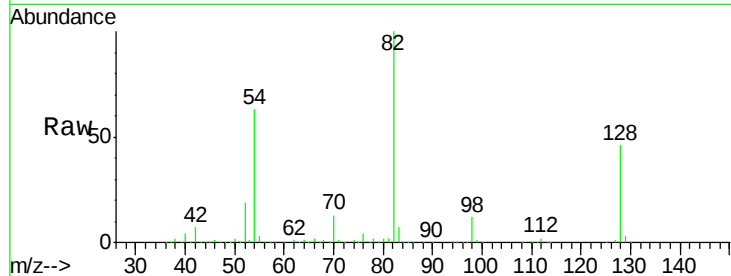
Tgt Ion: 82 Resp: 1067921

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

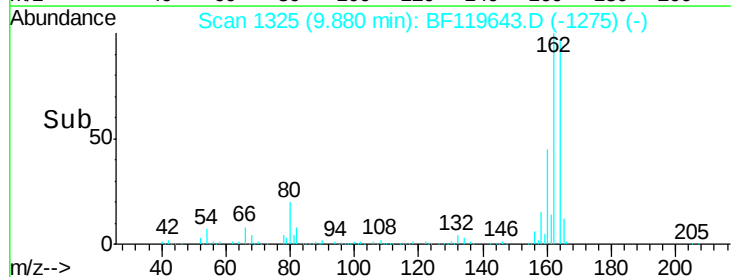
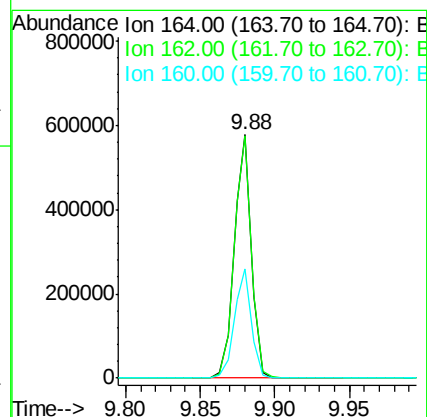
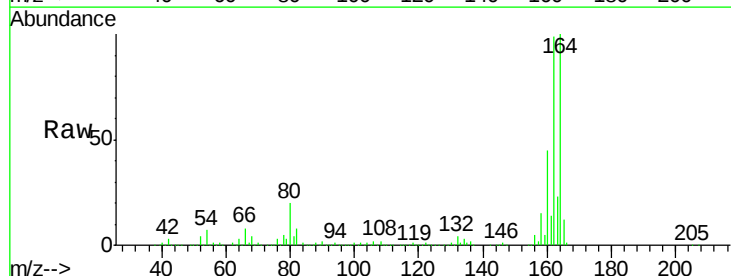
Tgt Ion: 164 Resp: 466958

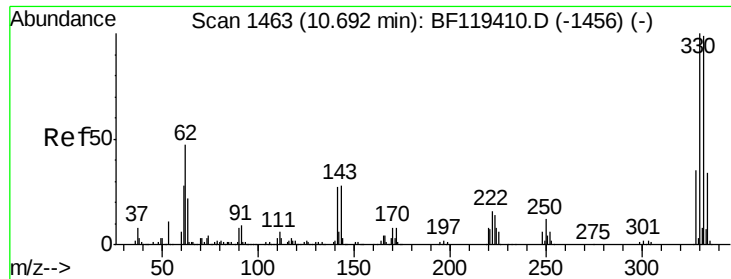
Ion Ratio Lower Upper

164 100

162 99.3 80.6 121.0

160 44.7 35.7 53.5

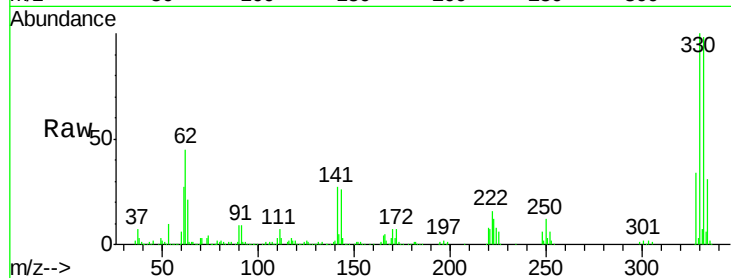




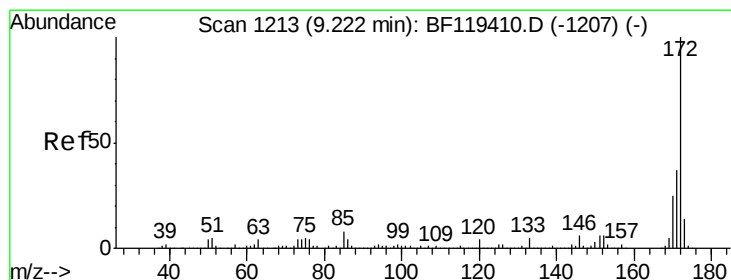
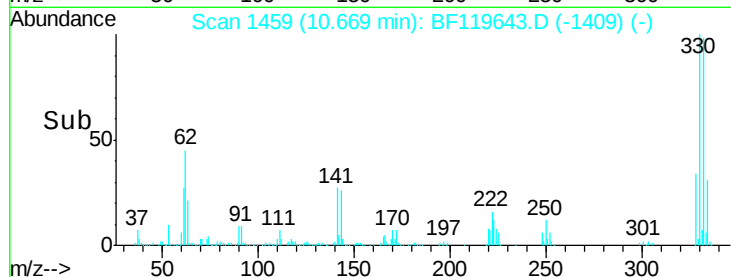
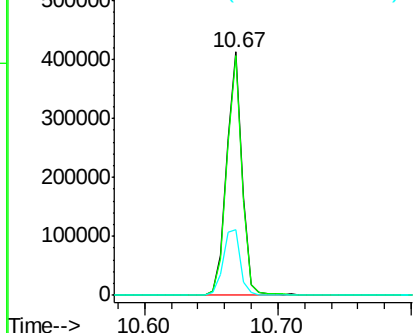
#42
 2,4,6-Tribromophenol
 Concen: 70.28 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119643.D
 Acq: 30 Mar 2020 19:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-1.0-1.5

Tgt Ion:330 Resp: 338578
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.7 113.5
 141 30.8 25.4 38.0

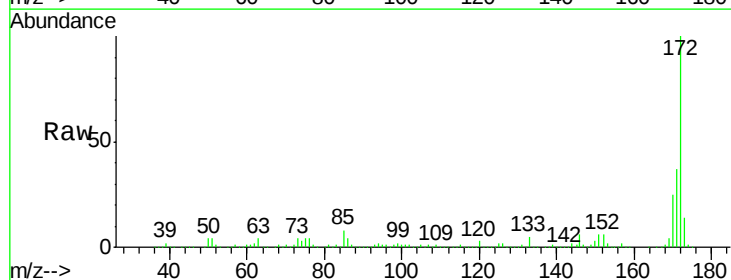


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

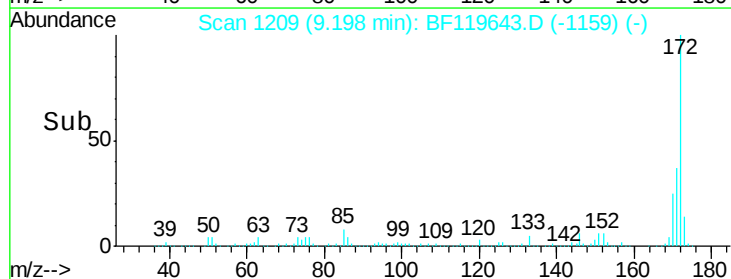
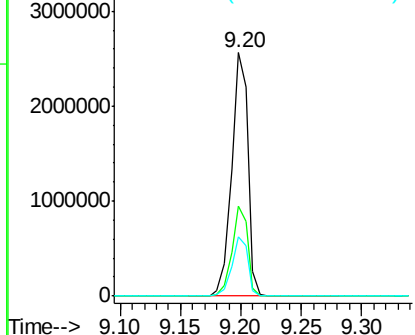


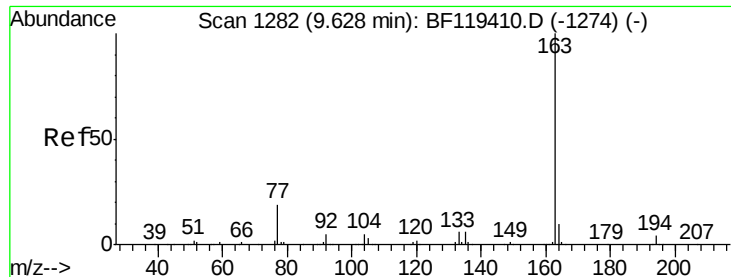
#45
 2-Fluorobiphenyl
 Concen: 76.20 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119643.D
 Acq: 30 Mar 2020 19:53

Tgt Ion:172 Resp: 2401817
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 24.6 20.2 30.2



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

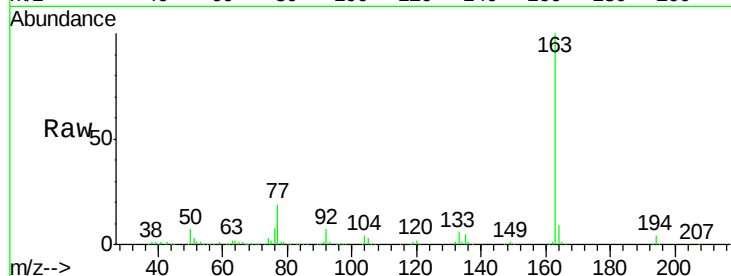




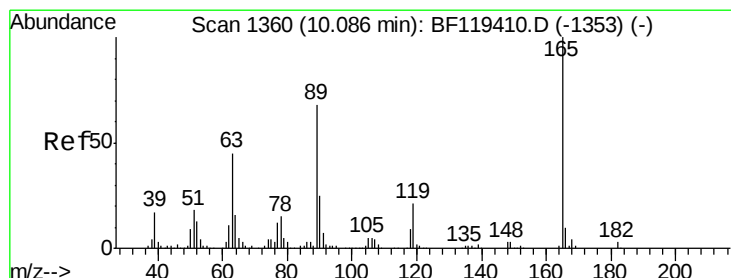
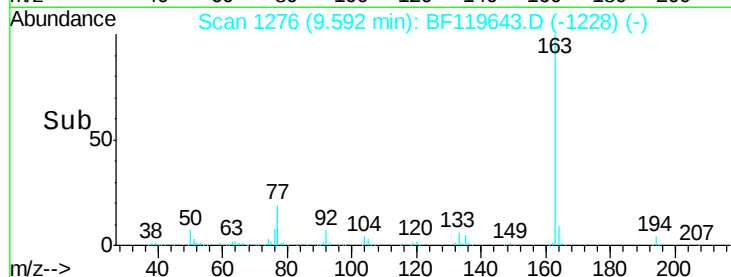
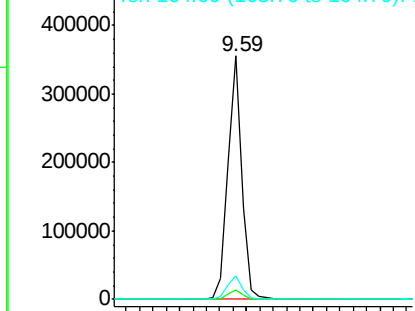
#50
Dimethylphthalate
Concen: 7.96 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

Tgt Ion:163 Resp: 263943
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.4 8.2 12.2

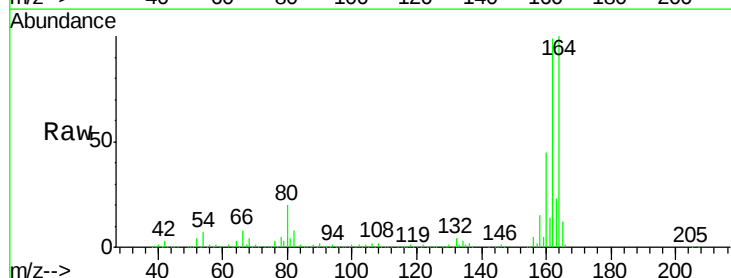


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

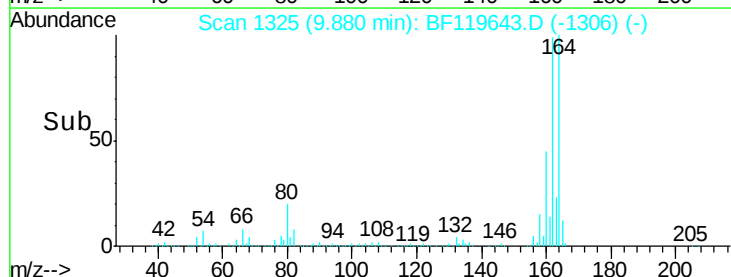
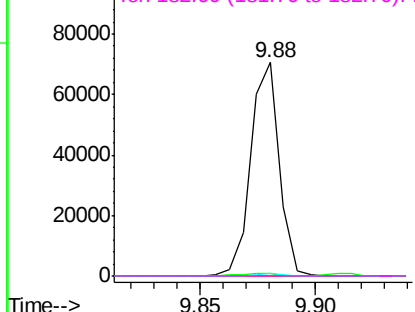


#57
2,4-Dinitrotoluene
Concen: 6.80 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Tgt Ion:165 Resp: 60897
Ion Ratio Lower Upper
165 100
63 1.3 42.6 64.0#
89 1.1 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: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

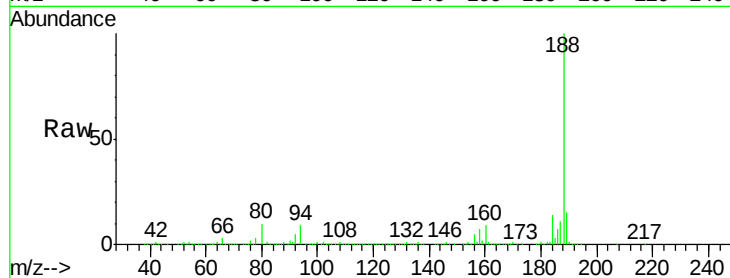
Tgt Ion:188 Resp: 720164

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

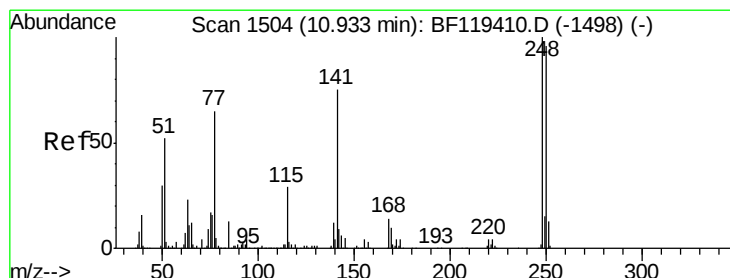
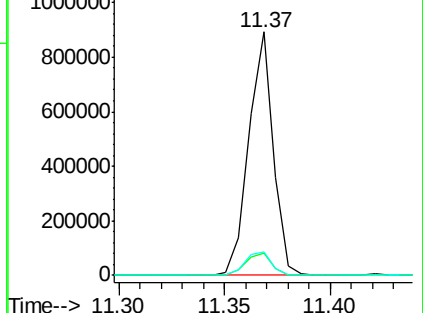
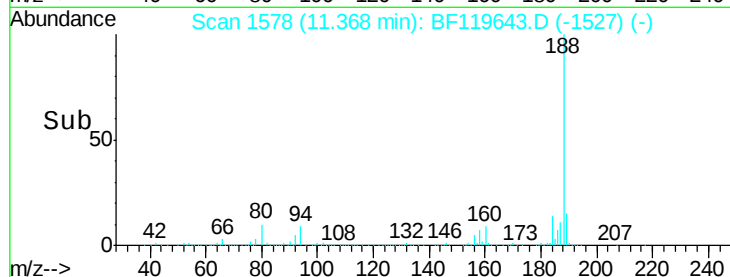
80 9.7 9.0 13.4



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: 2.46 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

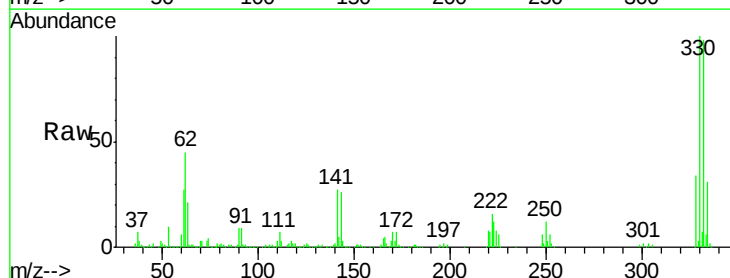
Tgt Ion:248 Resp: 20155

Ion Ratio Lower Upper

248 100

250 206.1 77.3 115.9#

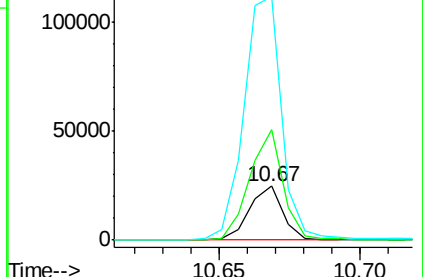
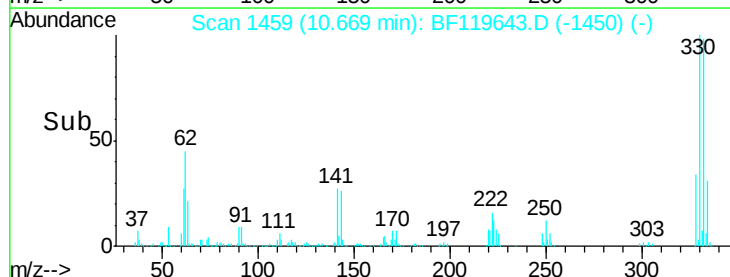
141 452.1 58.6 87.8#

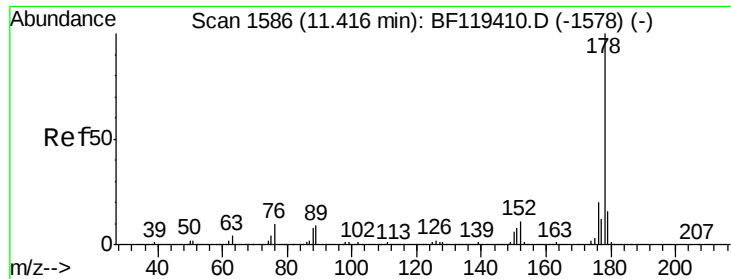


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

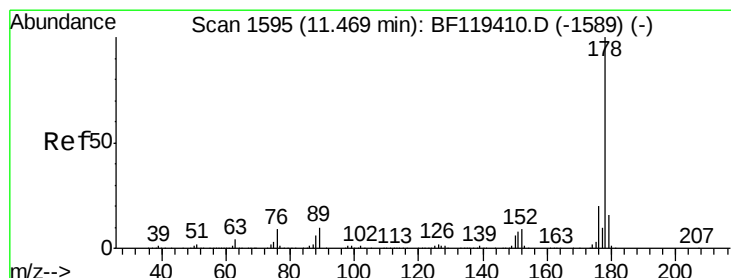
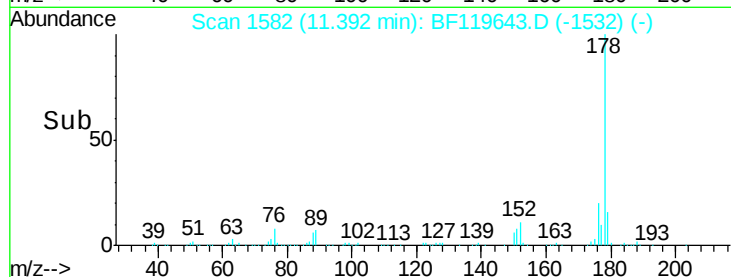
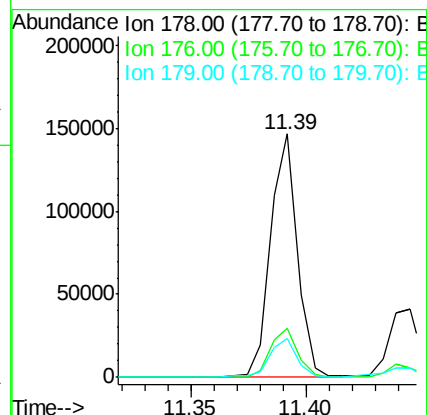
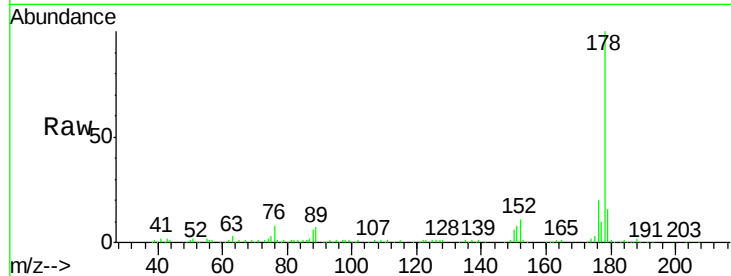




#71
Phenanthrene
Concen: 3.18 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

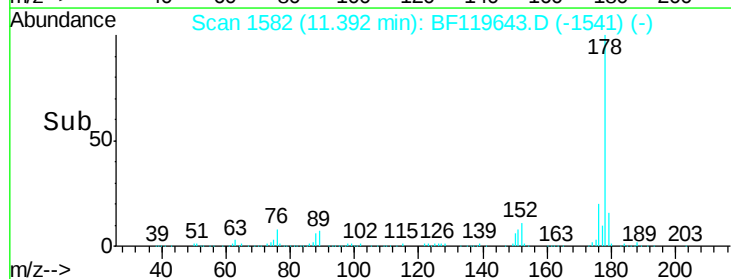
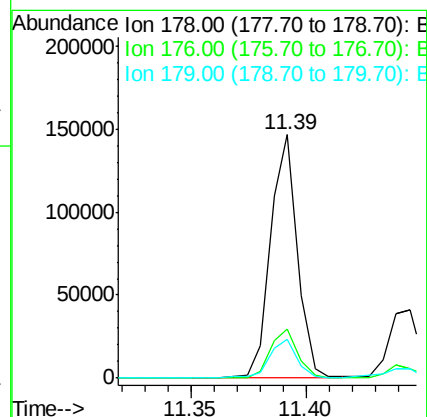
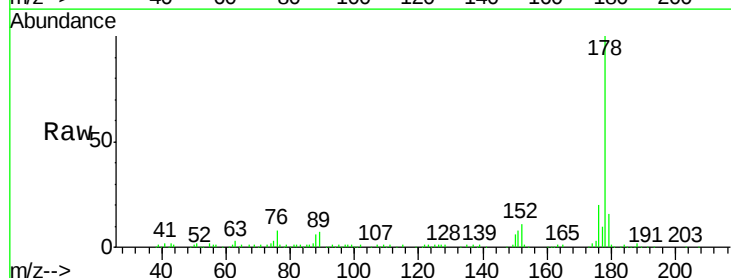
Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

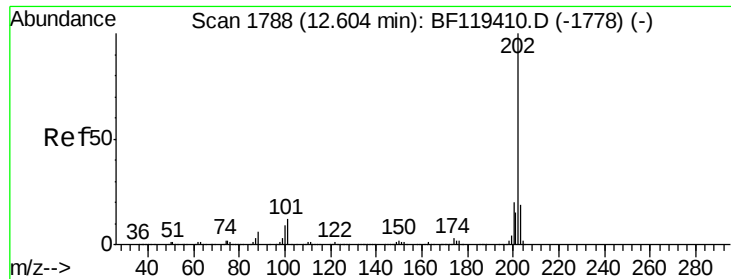
Tgt Ion:178 Resp: 118706
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 15.7 13.2 19.8



#72
Anthracene
Concen: 3.13 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.06 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Tgt Ion:178 Resp: 118706
Ion Ratio Lower Upper
178 100
176 20.2 16.1 24.1
179 15.7 13.0 19.4





#75

Fluoranthene

Concen: 5.10 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

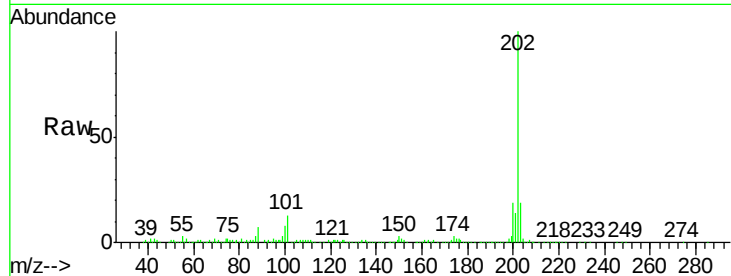
Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

Tgt Ion:	202	Resp:	206207
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.2
203	18.6	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

12.58

250000

200000

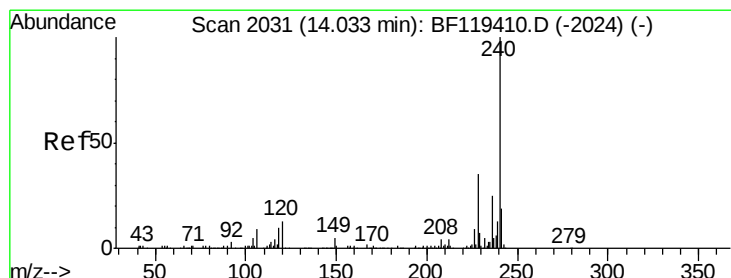
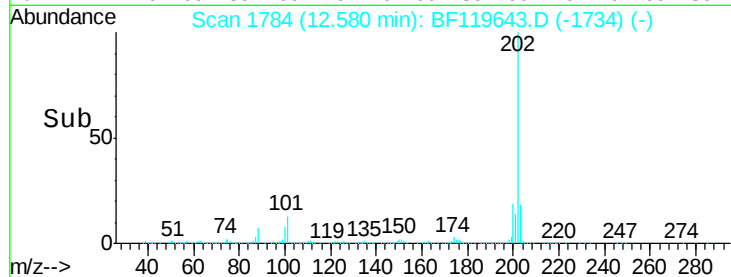
150000

100000

50000

0

Time-->



#76

Chrysene-d12

Concen: 20.00 ng

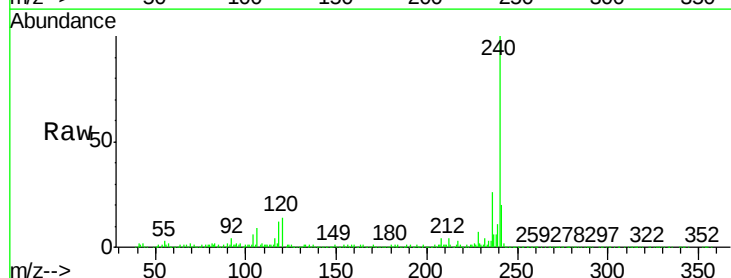
RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Tgt Ion:	240	Resp:	518644
Ion	Ratio	Lower	Upper
240	100		
120	14.0	10.6	15.8
236	25.7	20.2	30.2



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

14.01

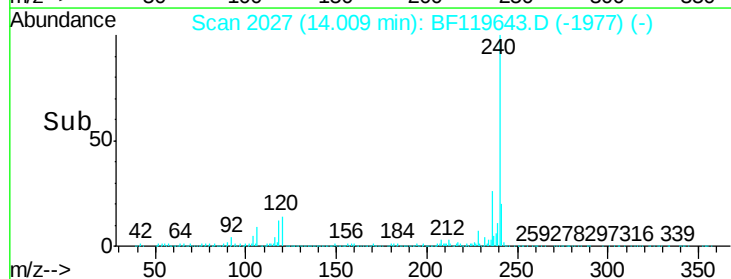
600000

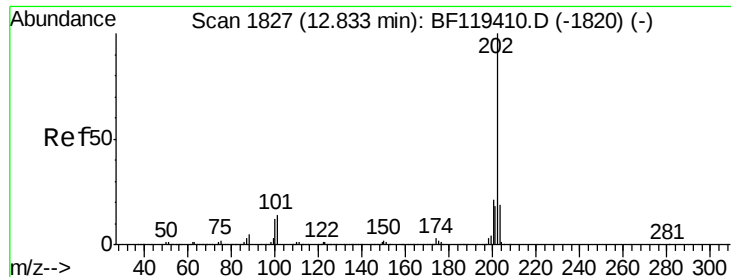
400000

200000

0

Time-->





#78

Pyrene

Concen: 4.29 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

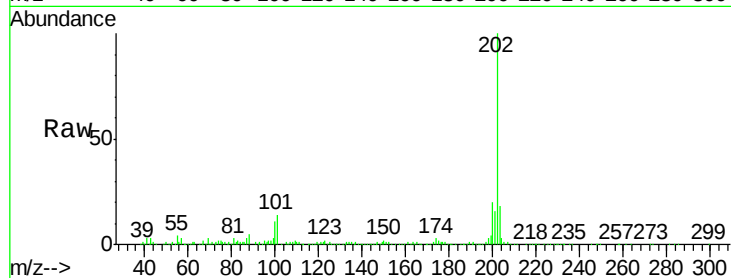
Tgt Ion:202 Resp: 182531

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

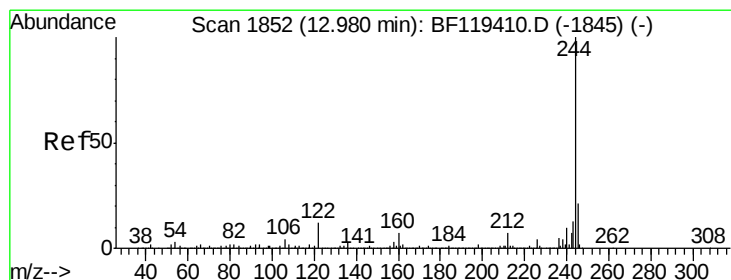
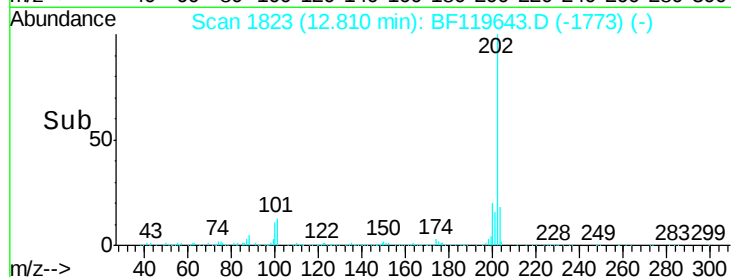
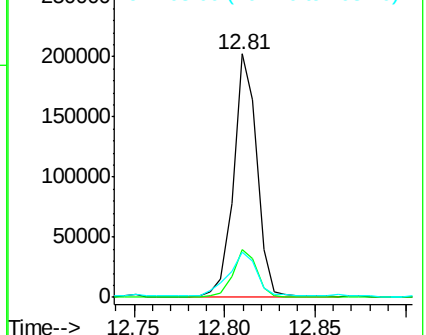
203 18.3 15.1 22.7



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: 74.05 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

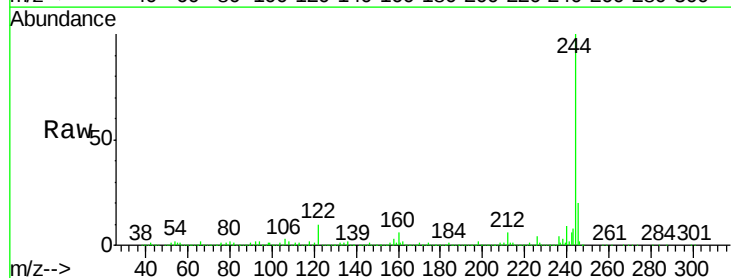
Tgt Ion:244 Resp: 1960166

Ion Ratio Lower Upper

244 100

212 6.0 5.8 8.8

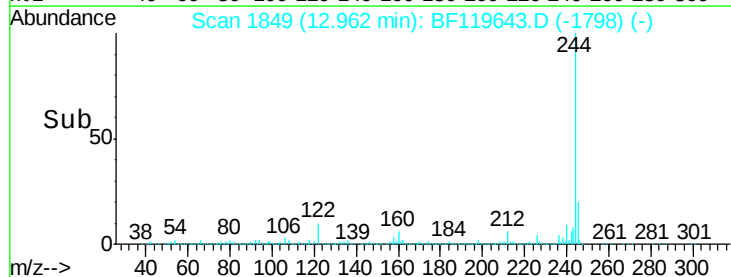
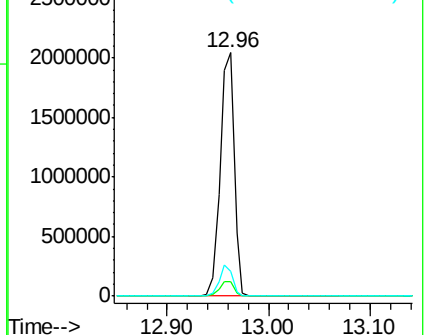
122 10.0 10.3 15.5#

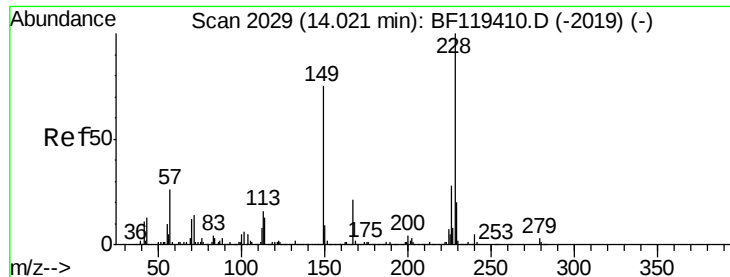


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

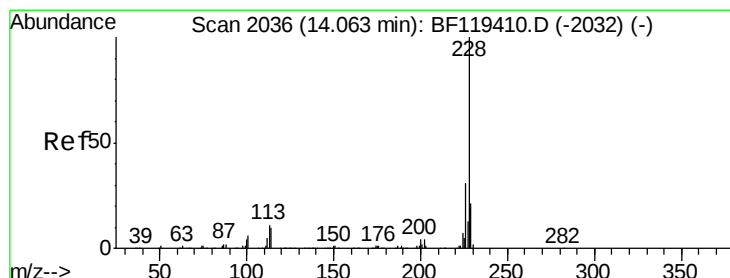
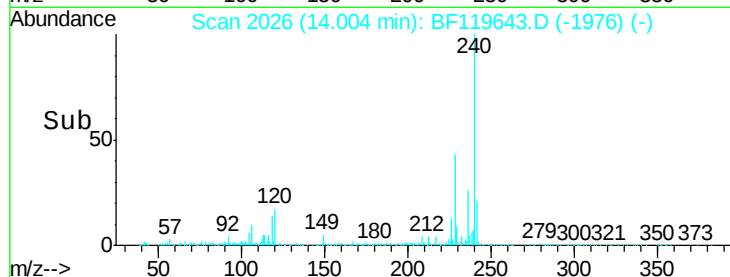
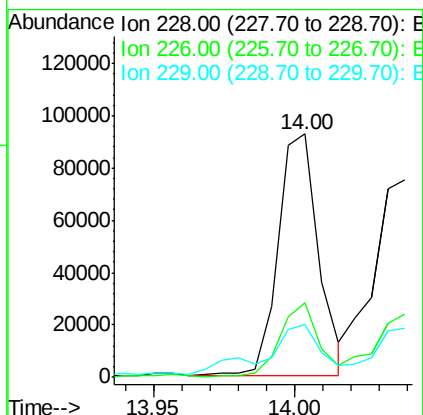
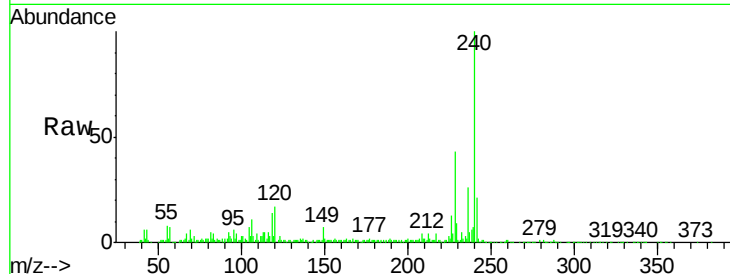




#81
Benzo(a)anthracene
Concen: 2.73 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

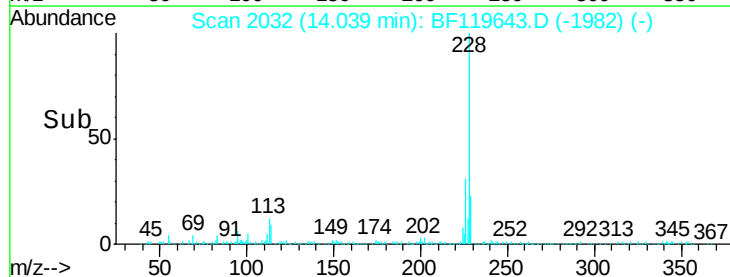
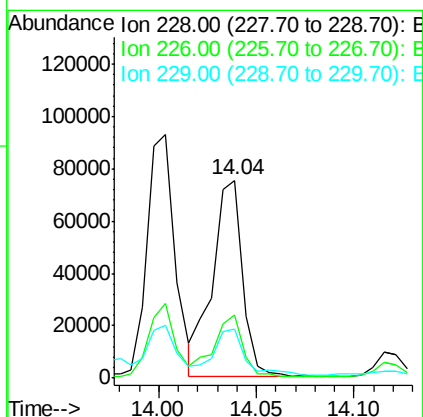
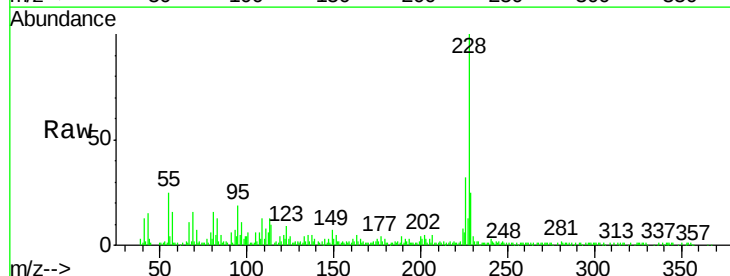
Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

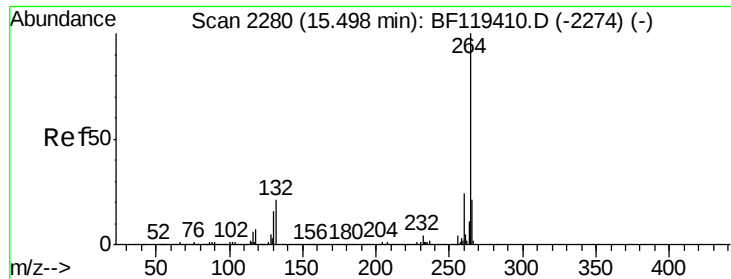
Tgt Ion: 228 Resp: 92133
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.8
229 21.7 16.2 24.4



#83
Chrysene
Concen: 2.33 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Tgt Ion: 228 Resp: 81067
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.0
229 24.8 16.6 24.8





#87

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

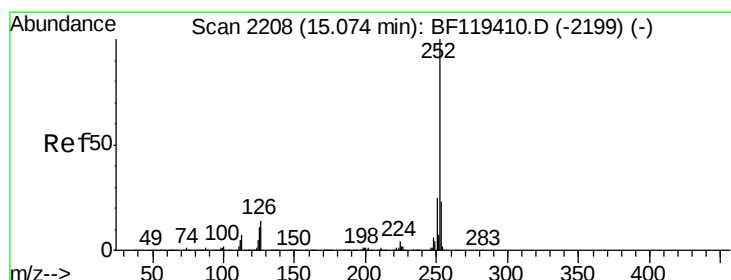
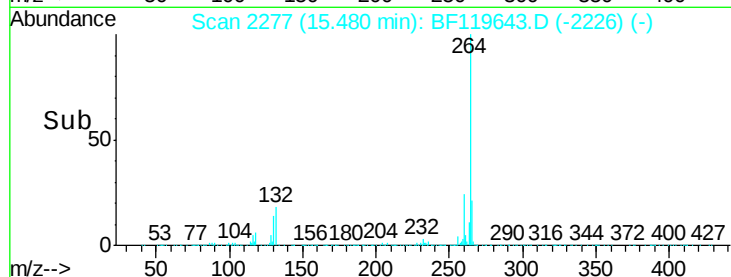
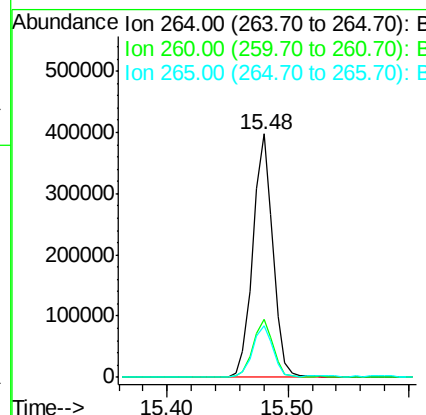
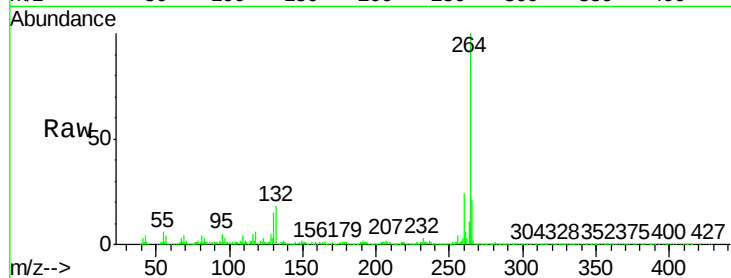
Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

Tgt Ion: 264 Resp: 457780

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.4	17.7	26.5



#88

Benzo(b)fluoranthene

Concen: 4.39 ng

RT: 15.05 min Scan# 2204

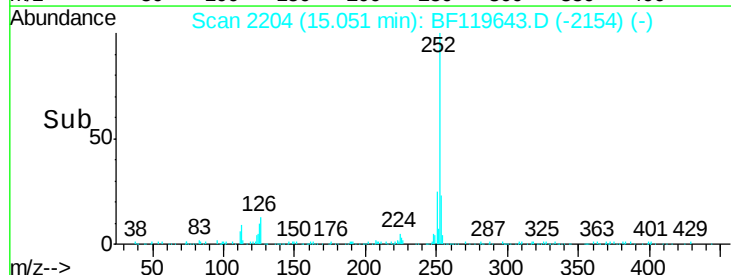
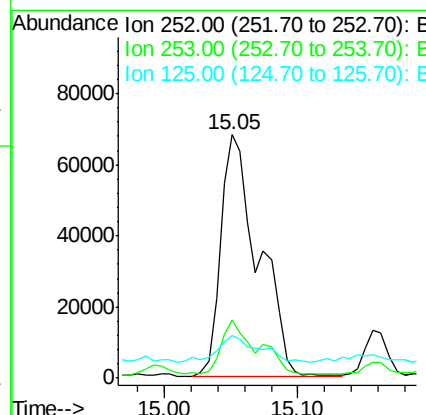
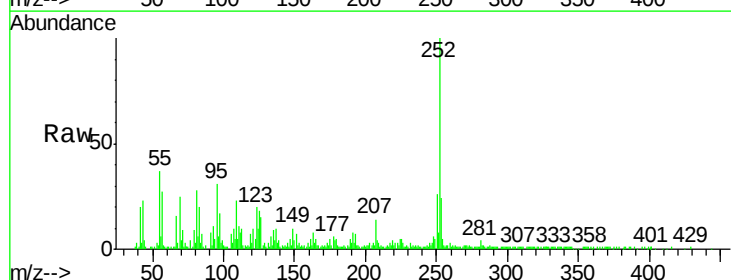
Delta R.T. -0.01 min

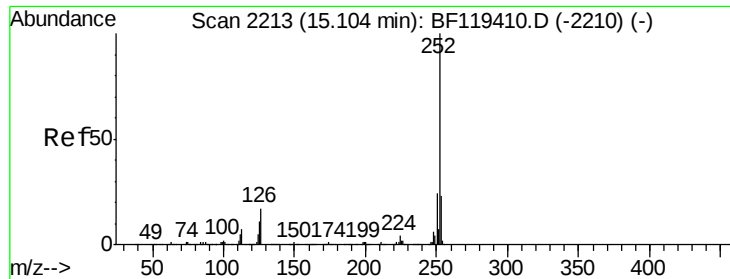
Lab File: BF119643.D

Acq: 30 Mar 2020 19:53

Tgt Ion: 252 Resp: 134314

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	17.6	7.9	11.9

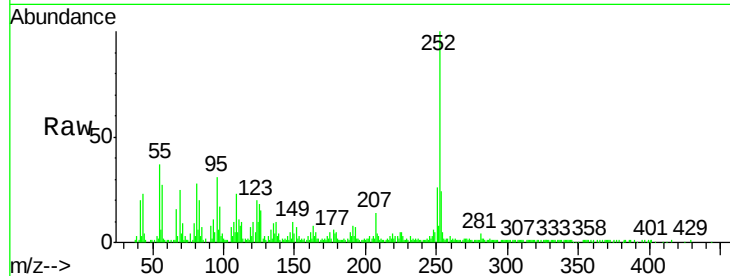




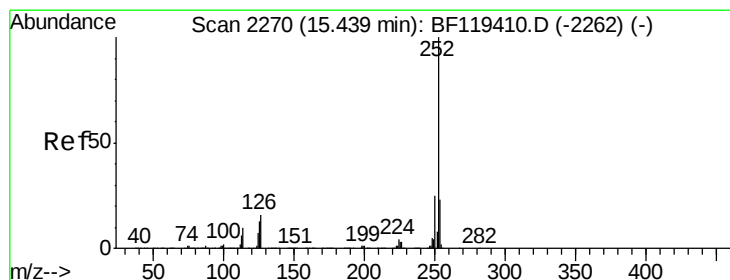
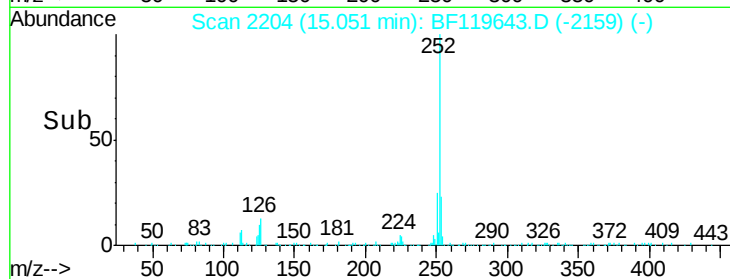
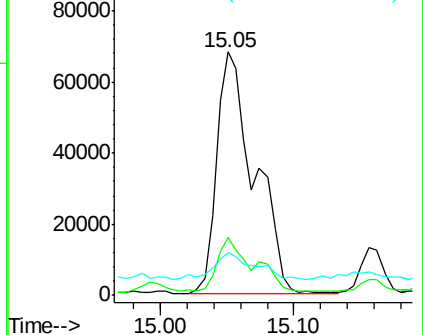
#89
Benzo(k)fluoranthene
Concen: 4.61 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

Tgt Ion: 252 Resp: 134314
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 17.6 8.4 12.6#

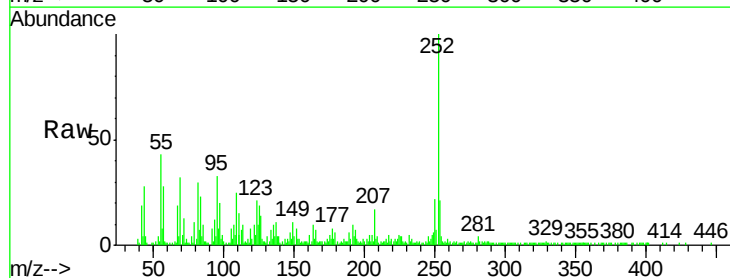


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.41 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119643.D
Acq: 30 Mar 2020 19:53

Tgt Ion: 252 Resp: 66911
Ion Ratio Lower Upper
252 100
253 20.5 18.2 27.2
125 18.5 9.4 14.2#



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

