

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119623.D
 Acq On : 28 Mar 2020 18:10
 Operator : CG/JU
 Sample : L2029-04
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1B-(0-2)

Quant Time: Mar 29 23:19:27 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	303592	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1095338	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	458508	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	764052	20.00	ng	0.00
76) Chrysene-d12	14.01	240	578079	20.00	ng	0.00
87) Perylene-d12	15.47	264	537880	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1779312	93.30	ng	0.01
7) Phenol-d6	6.46	99	2246494	92.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	1329686	65.98	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	404341	85.48	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2241451	72.42	ng	0.00
79) Terphenyl-d14	12.95	244	1739239	58.95	ng	-0.01

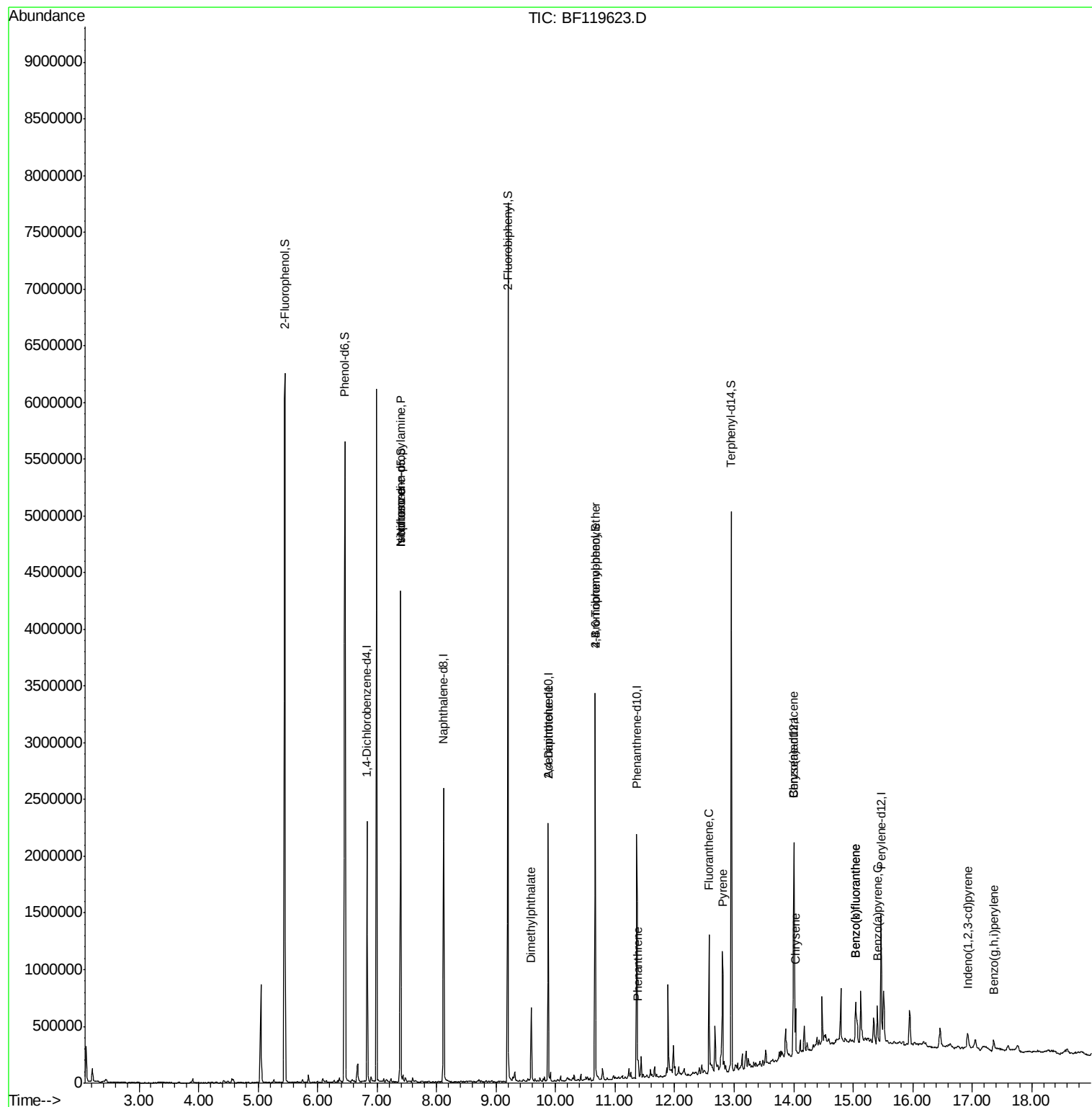
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	177394	12.08	ng	# 75
25) Isophorone	7.40	82	1321520	32.32	ng	# 65
50) Dimethylphthalate	9.59	163	250651	7.70	ng	99
57) 2,4-Dinitrotoluene	9.87	165	59691	6.79	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	25115	2.89	ng	# 1
71) Phenanthrene	11.39	178	91100	2.30	ng	96
75) Fluoranthene	12.58	202	498315	11.62	ng	98
78) Pyrene	12.80	202	431650	9.10	ng	99
81) Benzo(a)anthracene	14.00	228	183794	4.89	ng	99
83) Chrysene	14.03	228	169129	4.36	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	87029	2.38	ng	97
88) Benzo(b)fluoranthene	15.04	252	303353	8.44	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	303353	8.87	ng	# 97
90) Benzo(a)pyrene	15.40	252	161570	4.95	ng	100
92) Benzo(g,h,i)perylene	17.36	276	82445	2.87	ng	# 93

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
Data File : BF119623.D
Acq On : 28 Mar 2020 18:10
Operator : CG/JU
Sample : L2029-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

Quant Time: Mar 29 23:19:27 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: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampleId :

SB-1B-(0-2)

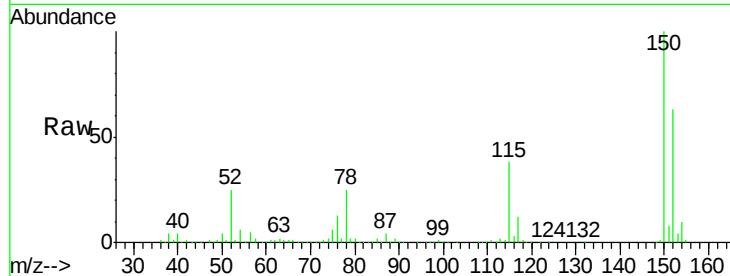
Tgt Ion:152 Resp: 303592

Ion Ratio Lower Upper

152 100

150 157.5 124.5 186.7

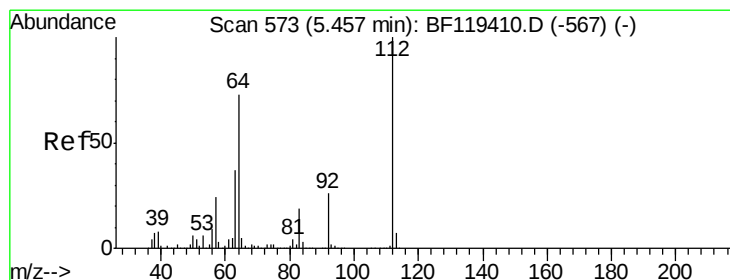
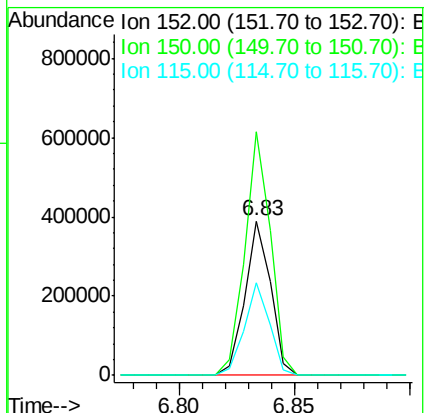
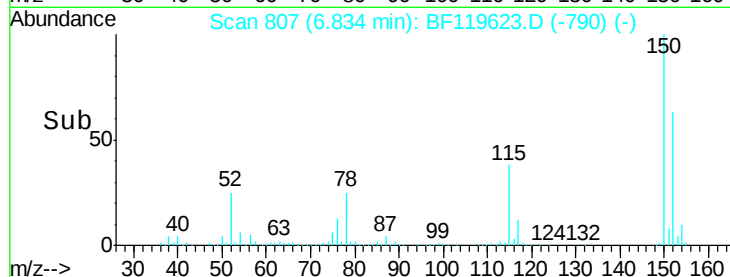
115 59.6 49.6 74.4



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: 93.30 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

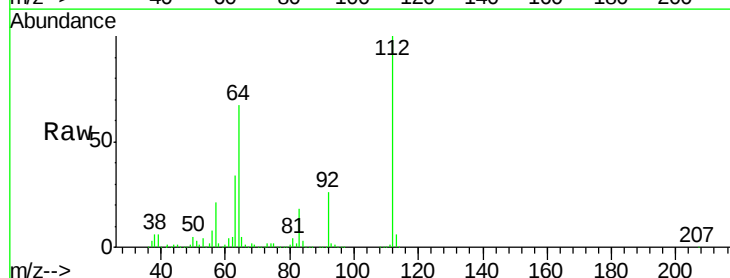
Tgt Ion:112 Resp: 1779312

Ion Ratio Lower Upper

112 100

64 66.5 56.7 85.1

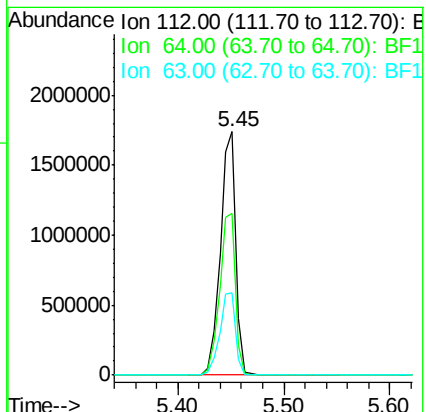
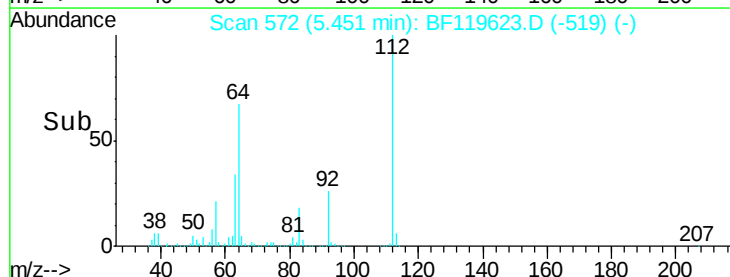
63 33.7 29.5 44.3

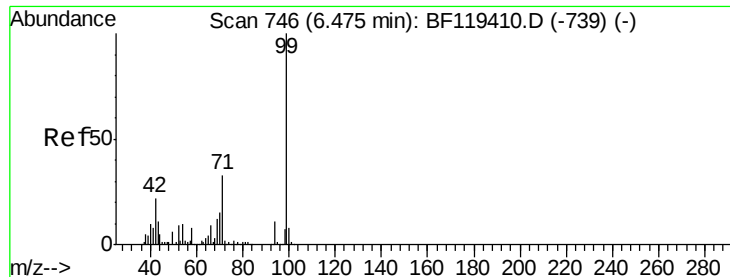


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.21 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampleId :

SB-1B-(0-2)

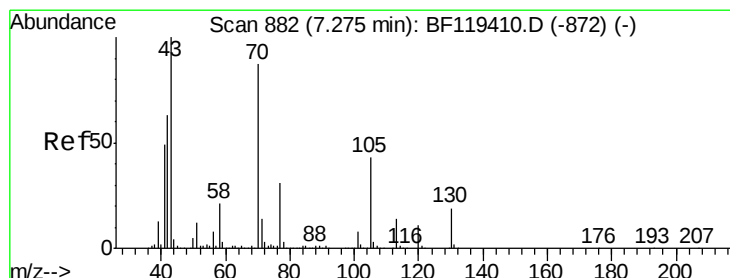
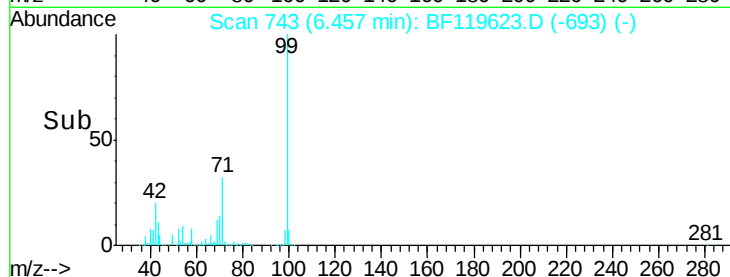
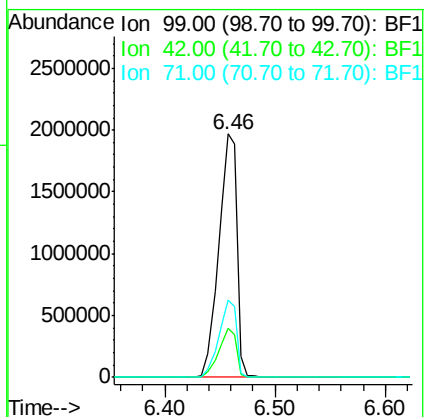
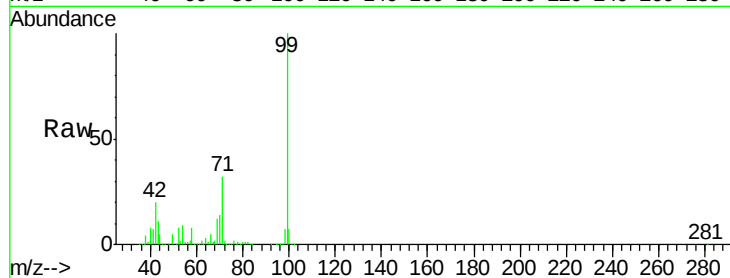
Tgt Ion: 99 Resp: 2246494

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

71 31.6 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.08 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Tgt Ion: 70 Resp: 177394

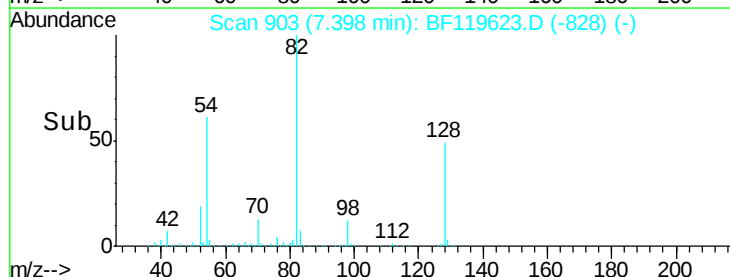
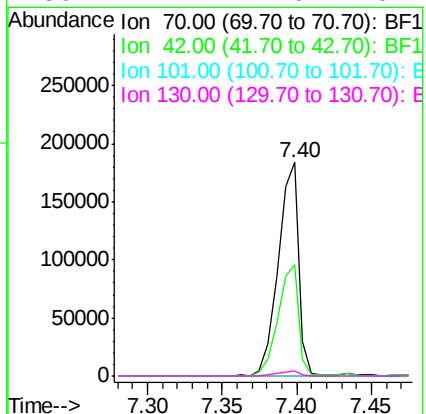
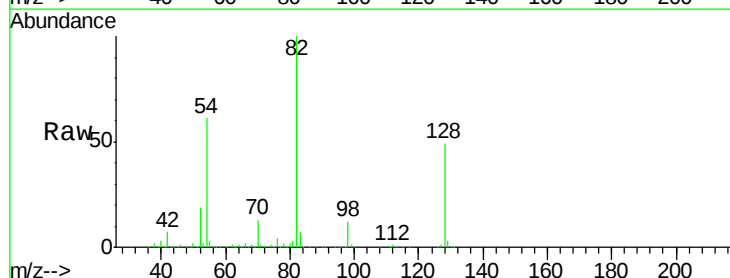
Ion Ratio Lower Upper

70 100

42 52.3 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: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampleId :

SB-1B-(0-2)

Tgt Ion:136 Resp: 1095338

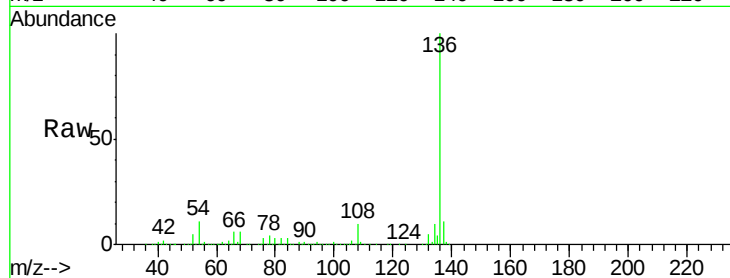
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 11.4 9.1 13.7

68 6.4 4.6 6.8

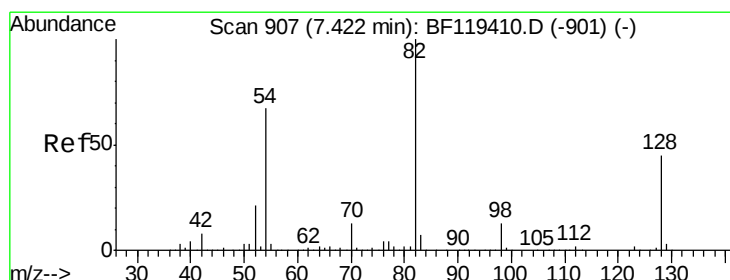
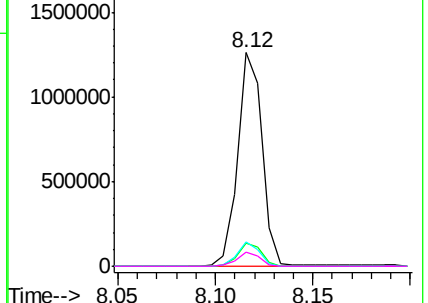
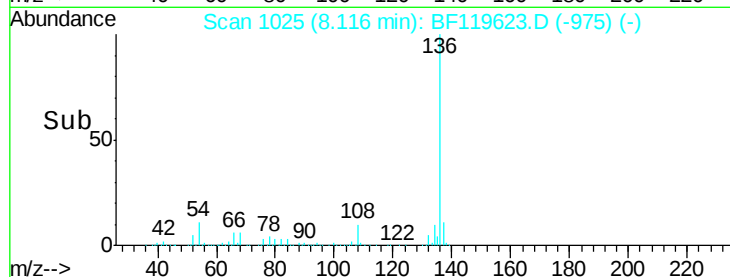


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 65.98 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

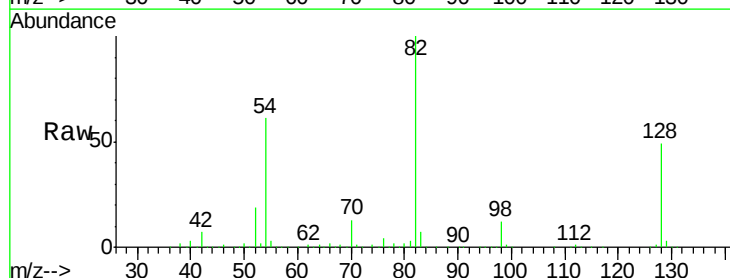
Tgt Ion: 82 Resp: 1329686

Ion Ratio Lower Upper

82 100

128 48.8 36.3 54.5

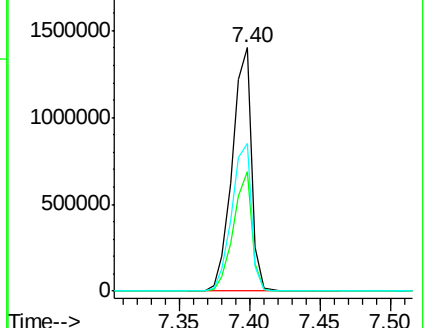
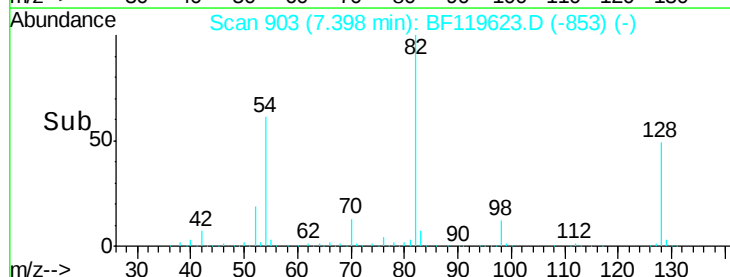
54 60.7 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.32 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampleId :

SB-1B-(0-2)

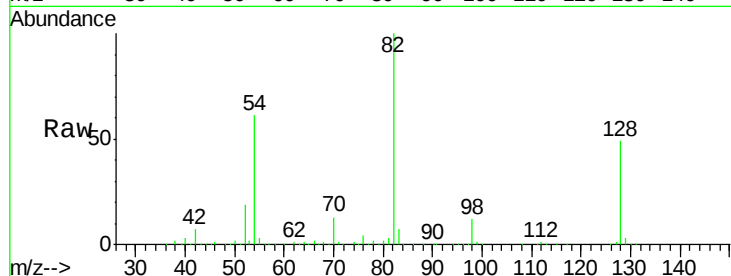
Tgt Ion: 82 Resp: 1321520

Ion Ratio Lower Upper

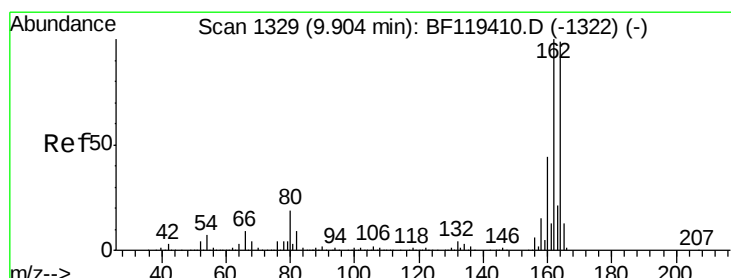
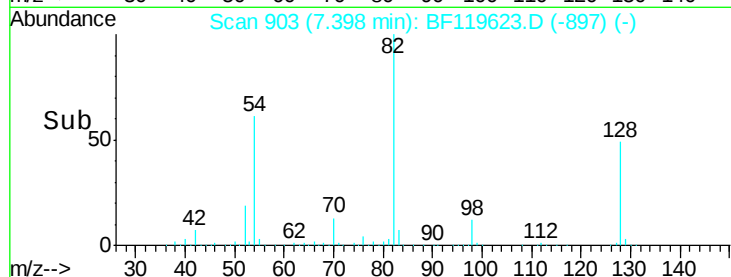
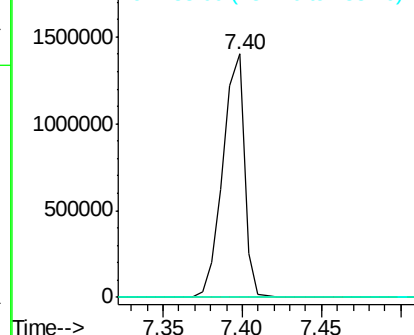
82 100

95 0.1 5.8 8.6#

138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

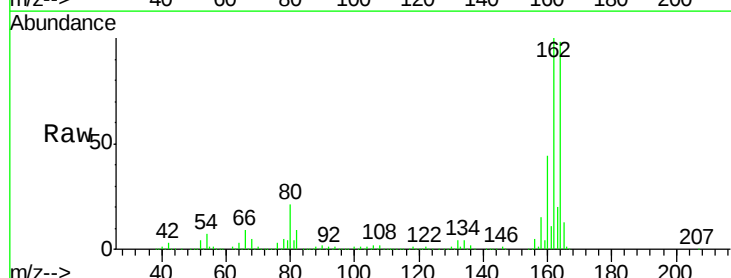
Tgt Ion: 164 Resp: 458508

Ion Ratio Lower Upper

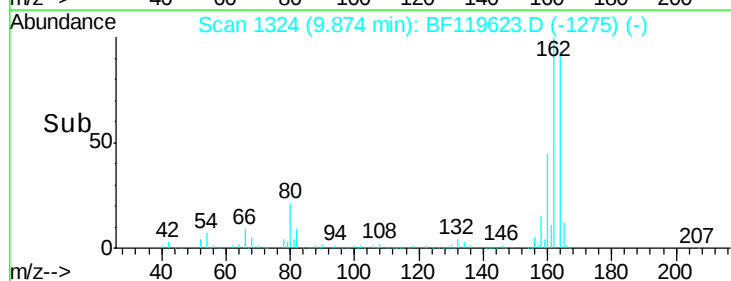
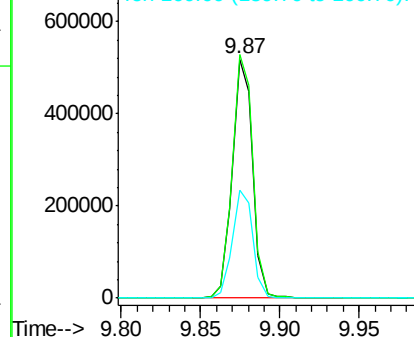
164 100

162 102.0 80.6 121.0

160 45.3 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

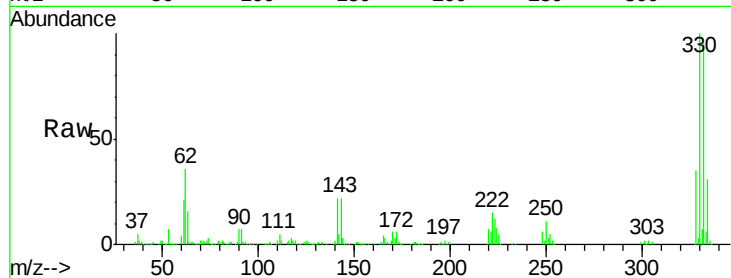




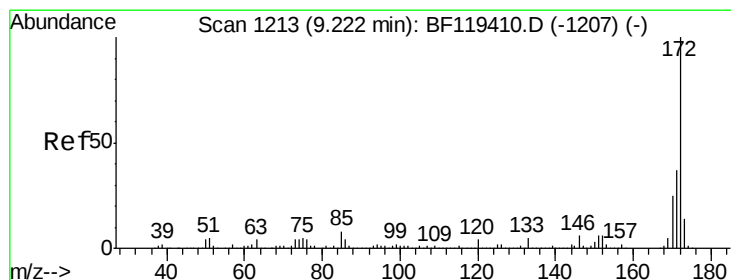
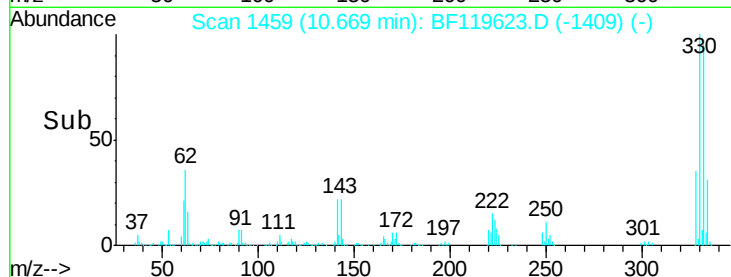
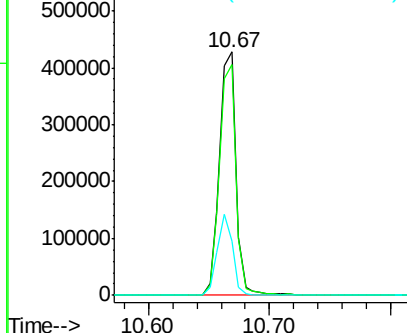
#42
 2,4,6-Tribromophenol
 Concen: 85.48 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119623.D
 Acq: 28 Mar 2020 18:10

Instrument :
 BNA_F
 ClientSampled :
 SB-1B-(0-2)

Tgt Ion:330 Resp: 404341
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.7 113.5
 141 31.1 25.4 38.0

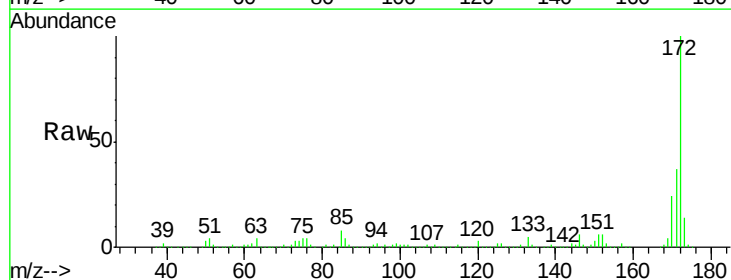


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

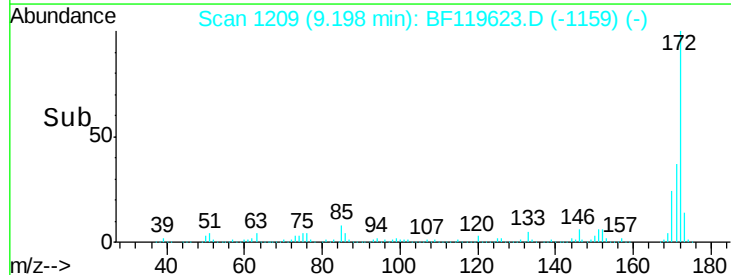
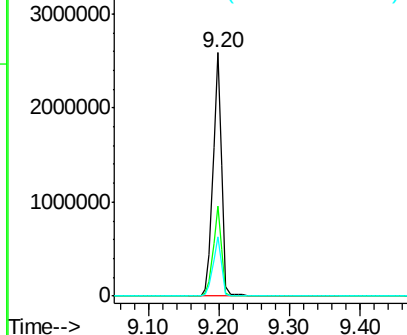


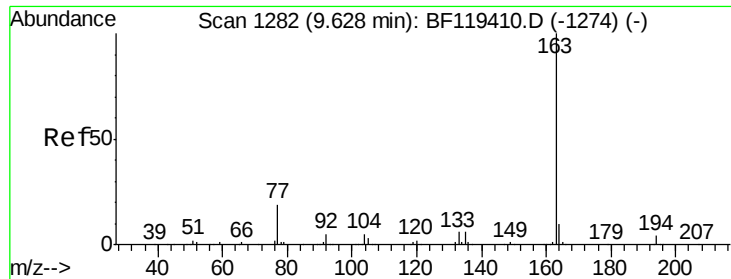
#45
 2-Fluorobiphenyl
 Concen: 72.42 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119623.D
 Acq: 28 Mar 2020 18:10

Tgt Ion:172 Resp: 2241451
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 24.4 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

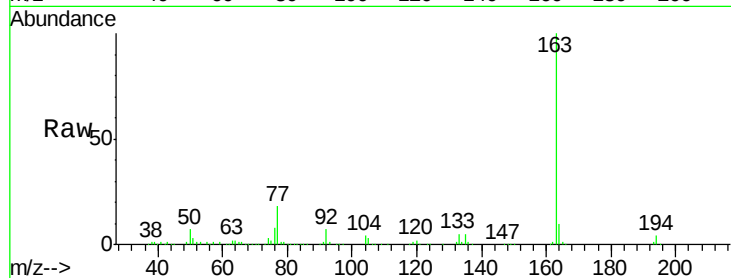




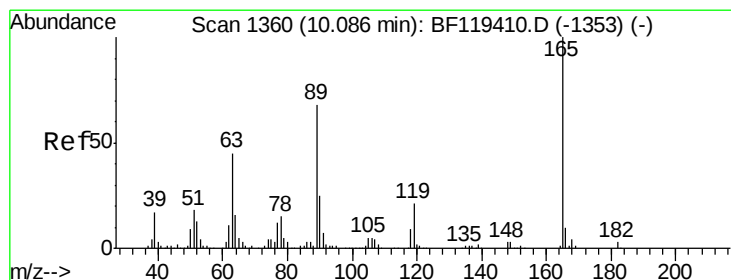
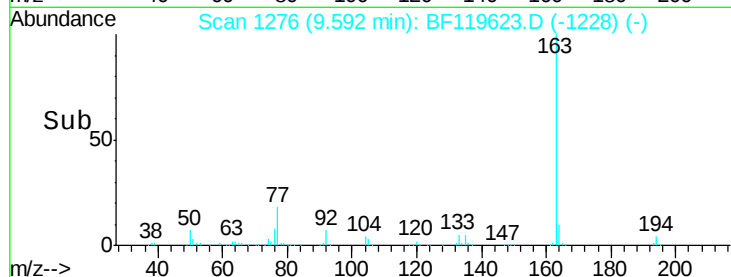
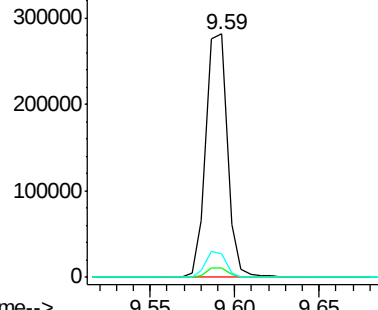
#50
Dimethylphthalate
Concen: 7.70 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	9.8	8.2	12.2



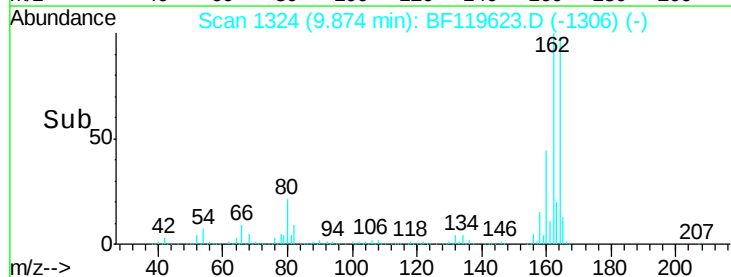
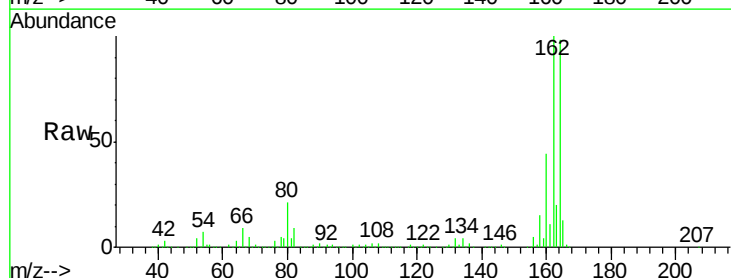
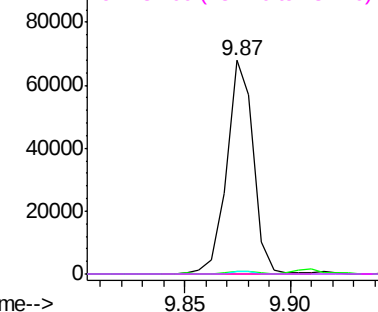
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 6.79 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.6	64.0#
89	1.2	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

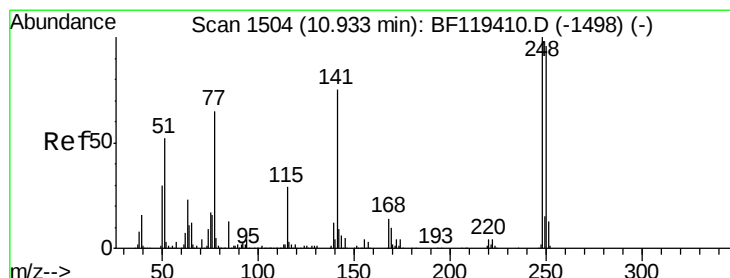
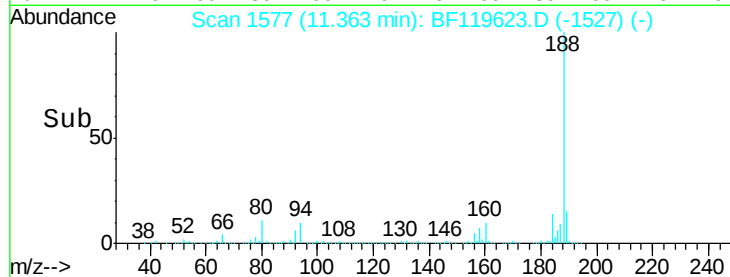
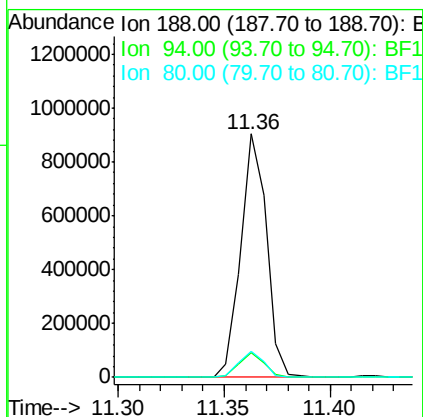
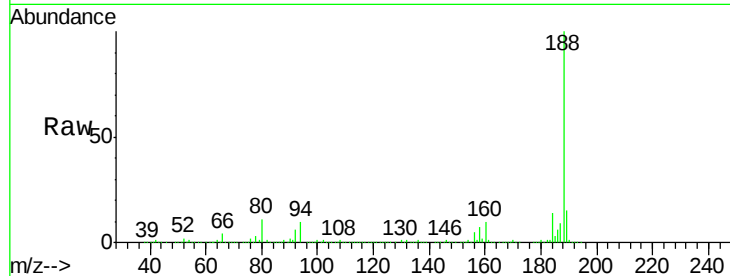




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

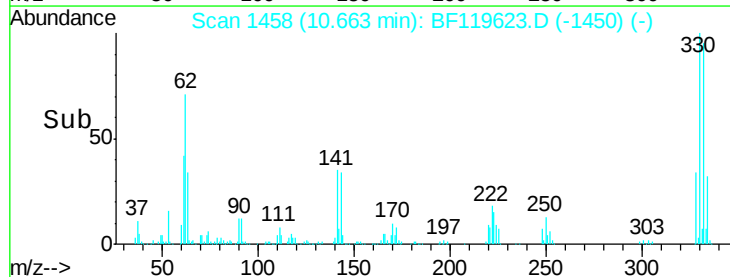
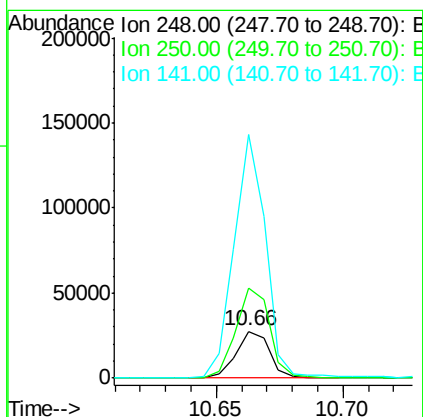
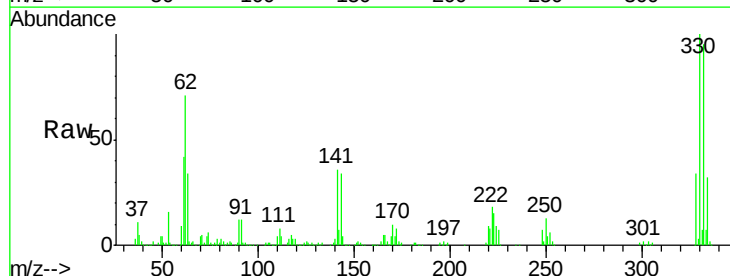
Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

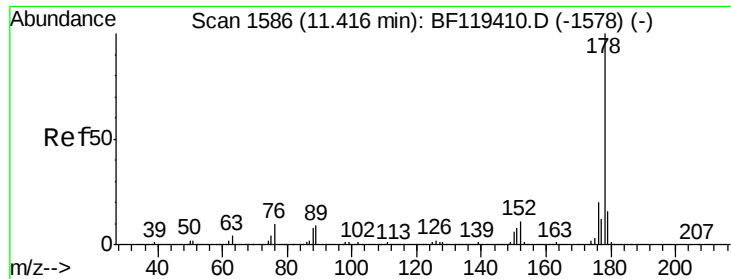
Tgt Ion:188 Resp: 764052
Ion Ratio Lower Upper
188 100
94 10.2 7.5 11.3
80 10.8 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 2.89 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion:248 Resp: 25115
Ion Ratio Lower Upper
248 100
250 190.4 77.3 115.9#
141 516.5 58.6 87.8#

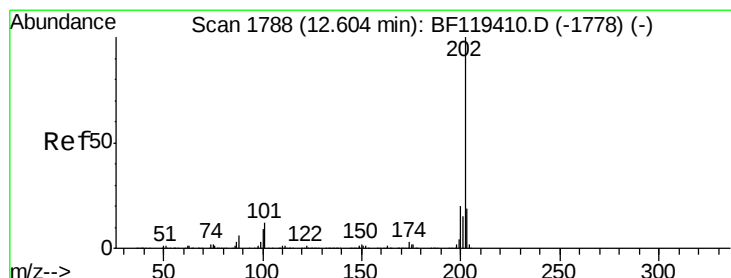
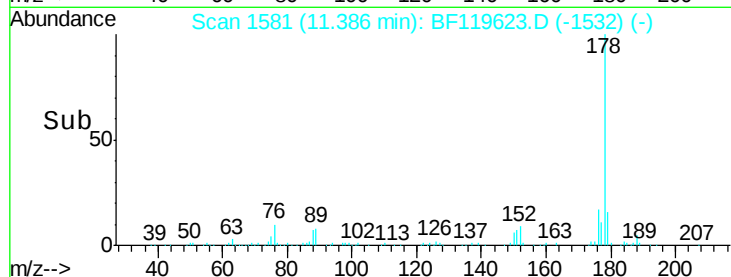
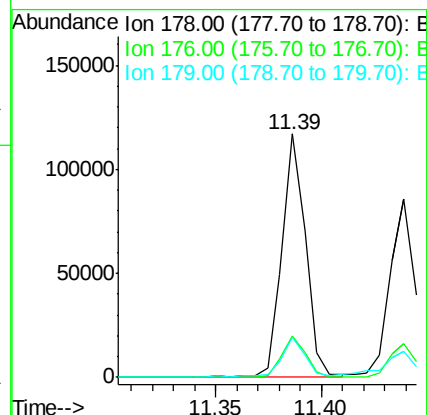
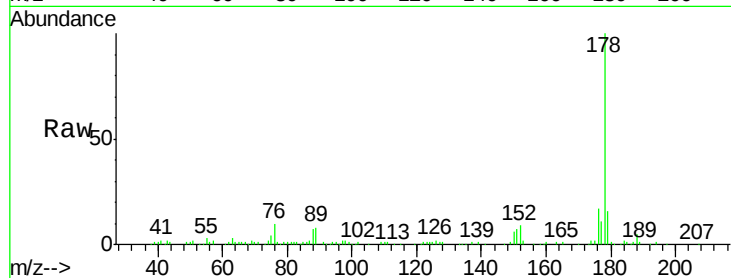




#71
Phenanthrene
Concen: 2.30 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

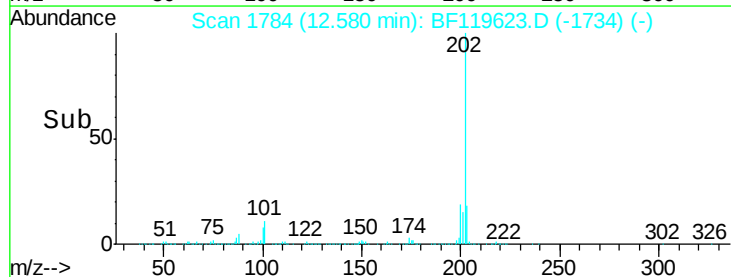
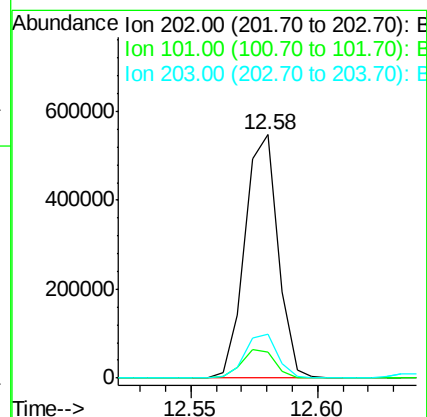
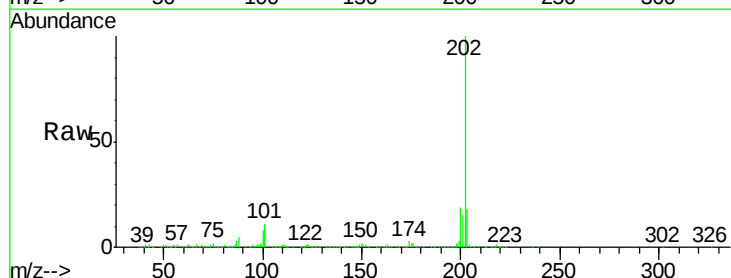
Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

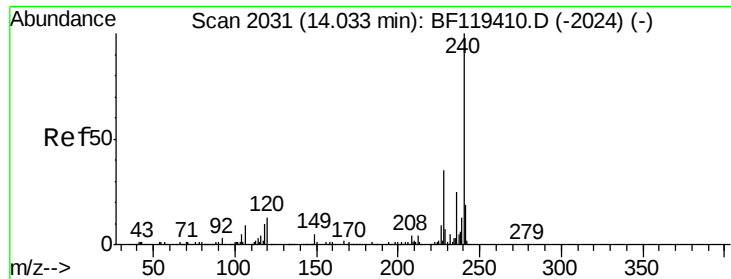
Tgt Ion:178 Resp: 91100
Ion Ratio Lower Upper
178 100
176 17.0 16.2 24.4
179 16.4 13.2 19.8



#75
Fluoranthene
Concen: 11.62 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion:202 Resp: 498315
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.2
203 17.9 0.0 38.8

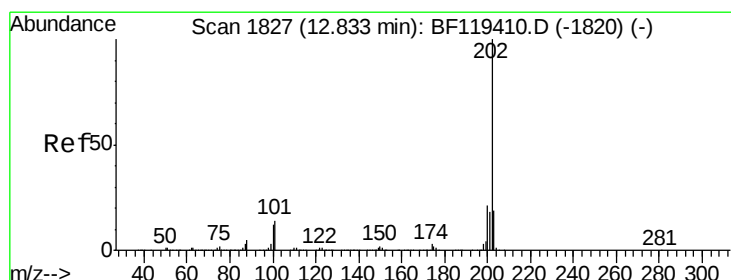
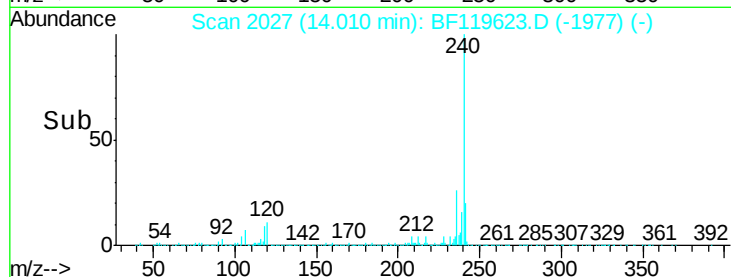
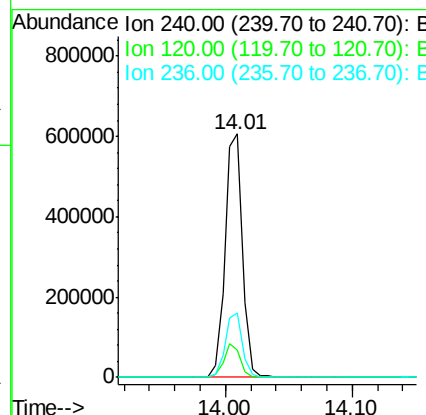
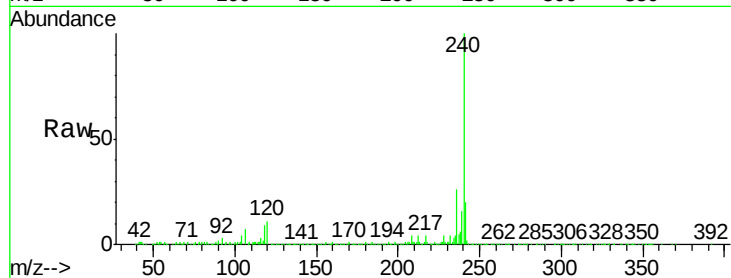




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

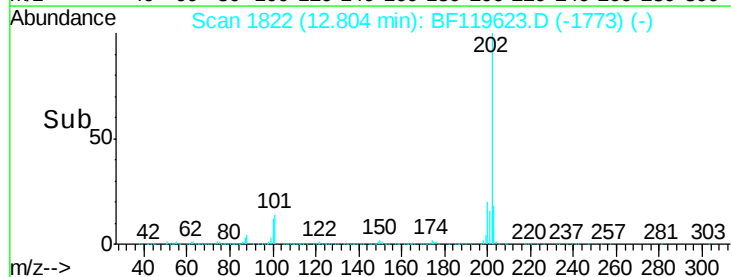
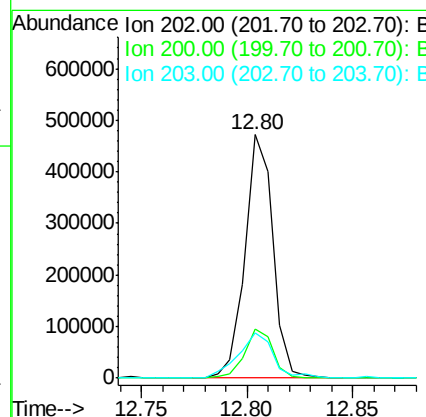
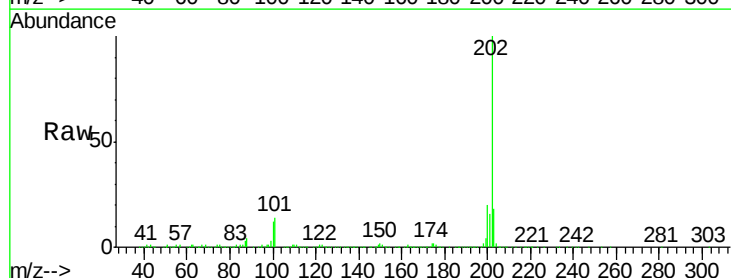
Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

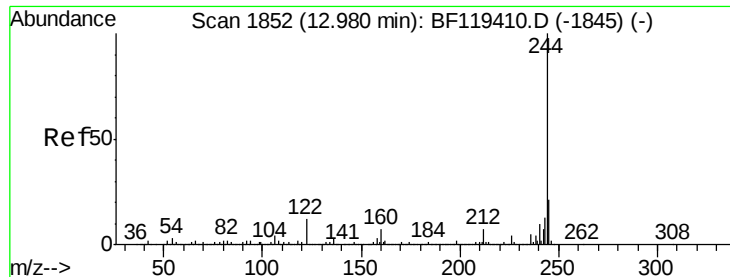
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.6	15.8
236	26.3	20.2	30.2



#78
Pyrene
Concen: 9.10 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	18.4	15.1	22.7

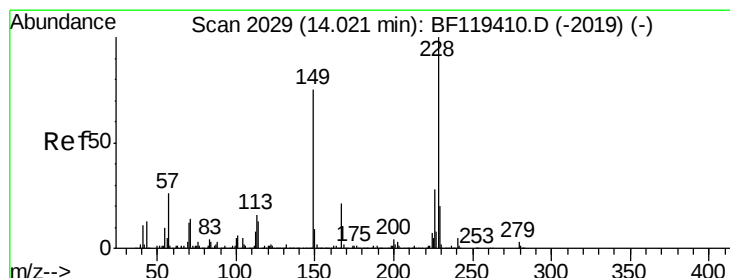
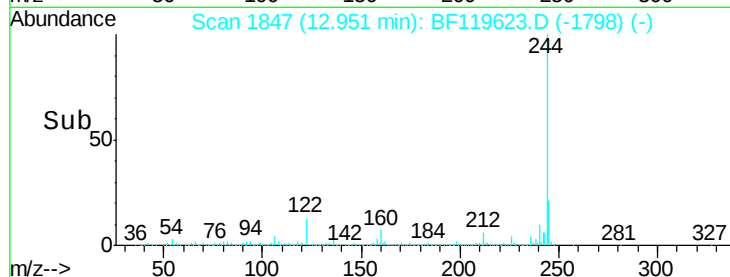
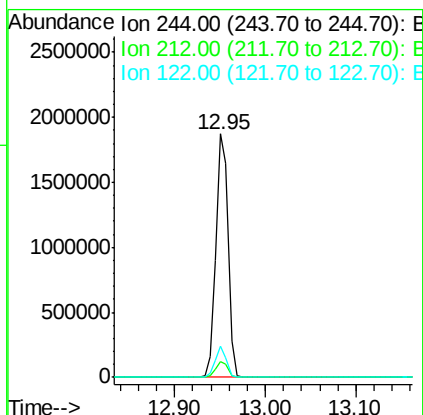
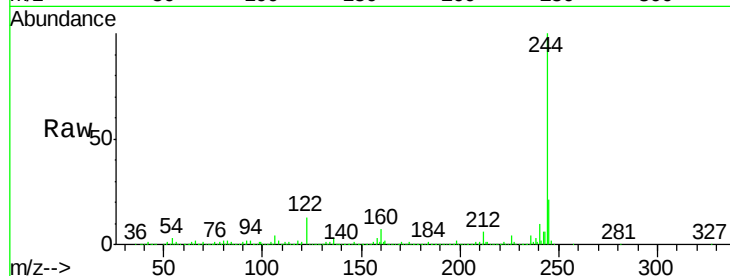




#79
 Terphenyl-d14
 Concen: 58.95 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF119623.D
 Acq: 28 Mar 2020 18:10

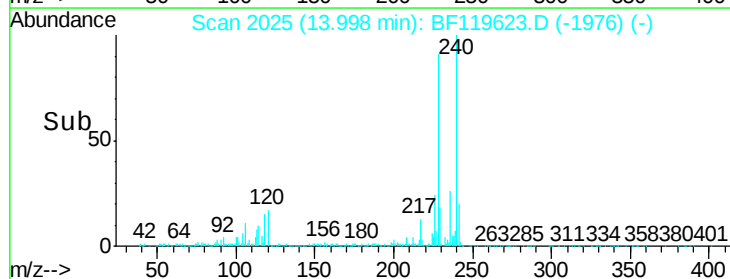
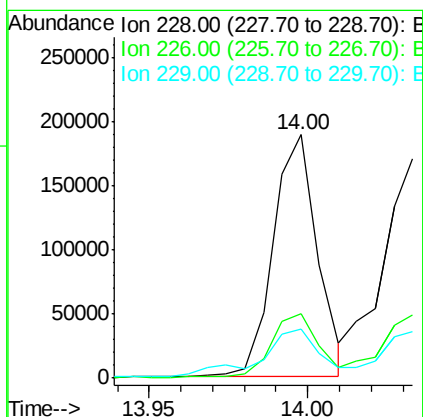
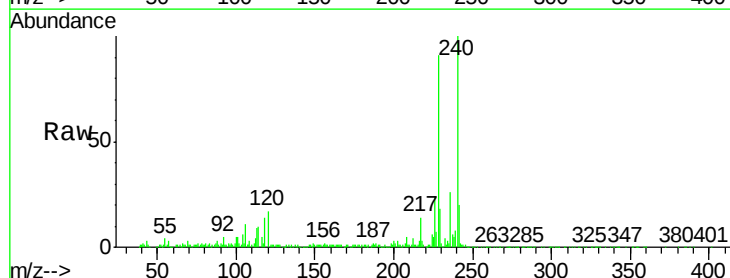
Instrument :
 BNA_F
 ClientSampleId :
 SB-1B-(0-2)

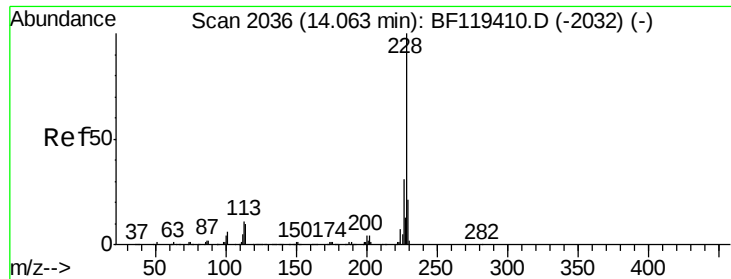
Tgt Ion:244 Resp: 1739239
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.8
 122 12.7 10.3 15.5



#81
 Benzo(a)anthracene
 Concen: 4.89 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF119623.D
 Acq: 28 Mar 2020 18:10

Tgt Ion:228 Resp: 183794
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.8 32.8
 229 20.2 16.2 24.4





#83

Chrysene

Concen: 4.36 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampleId :

SB-1B-(0-2)

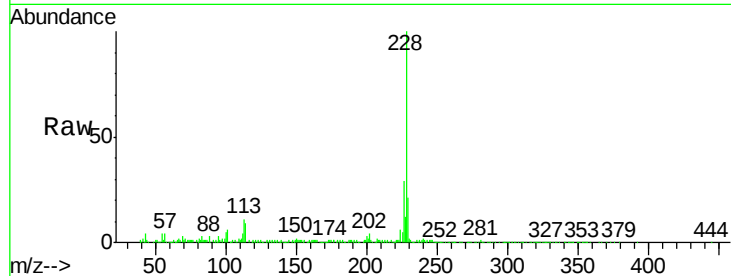
Tgt Ion:228 Resp: 169129

Ion Ratio Lower Upper

228 100

226 28.7 25.4 38.0

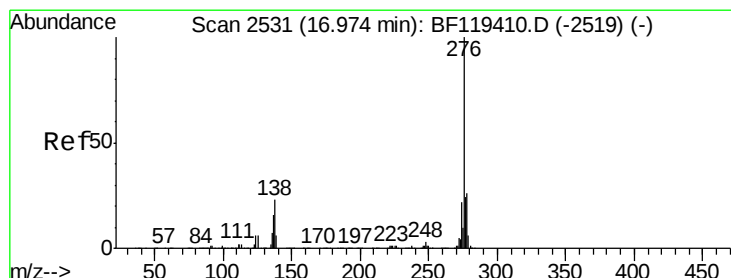
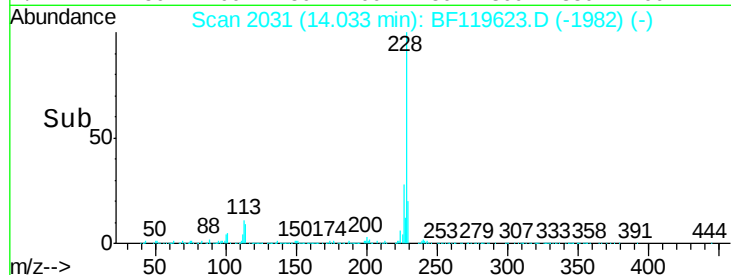
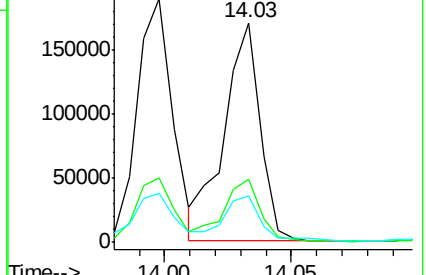
229 20.9 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.38 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

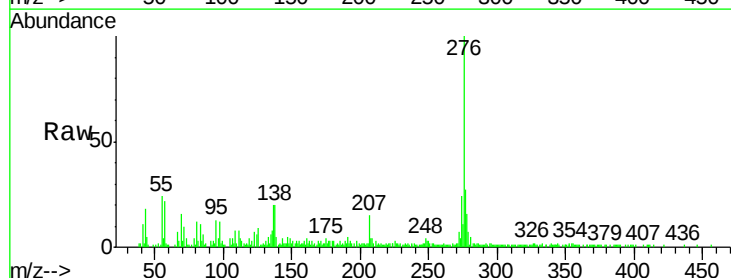
Tgt Ion:276 Resp: 87029

Ion Ratio Lower Upper

276 100

138 23.7 19.6 29.4

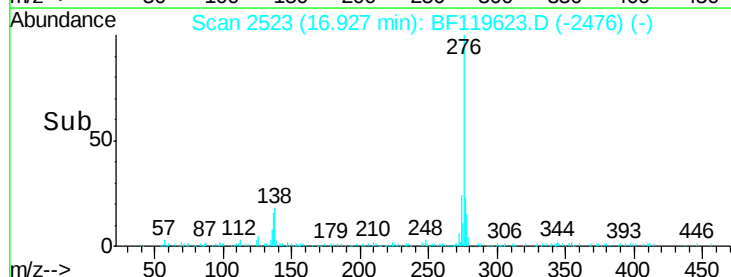
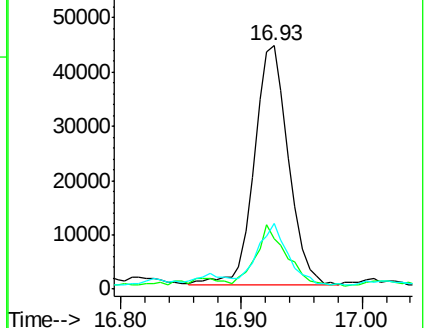
277 22.8 20.0 30.0

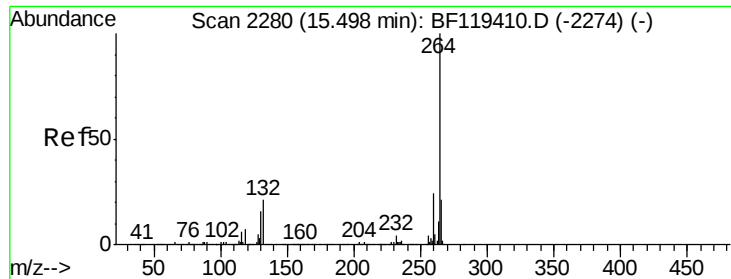


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

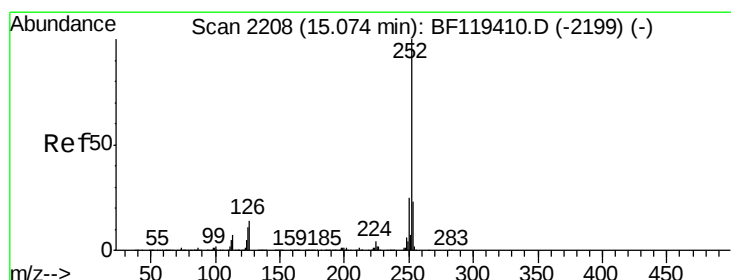
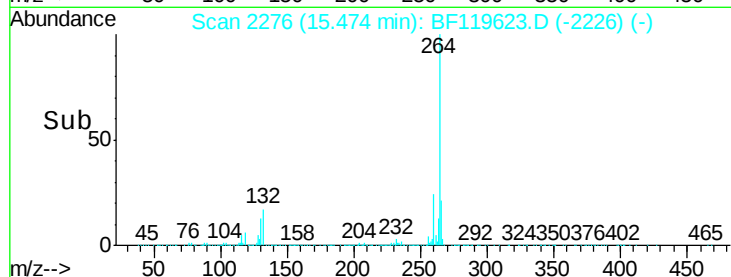
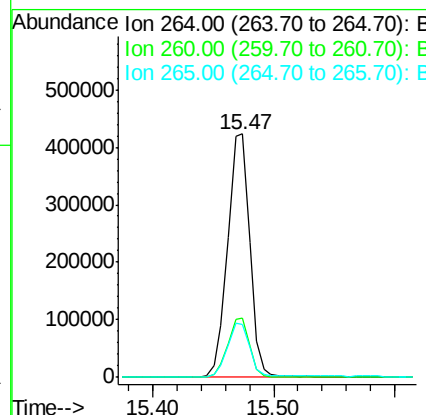
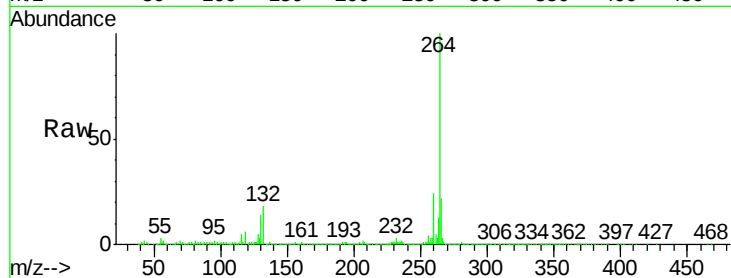




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

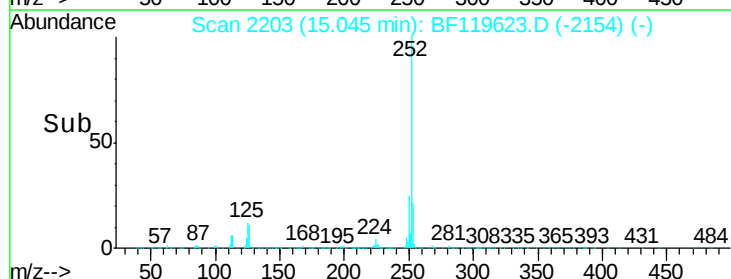
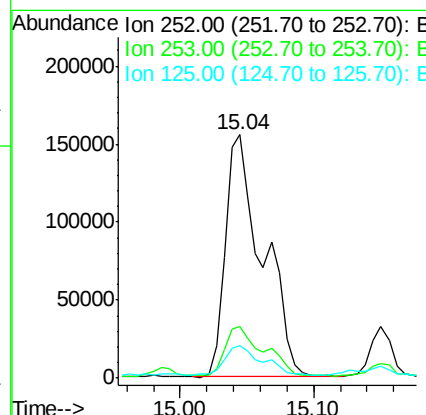
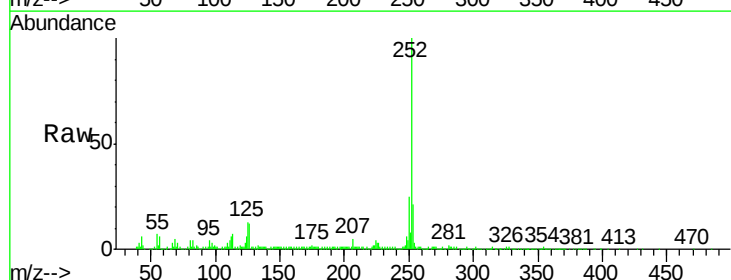
Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

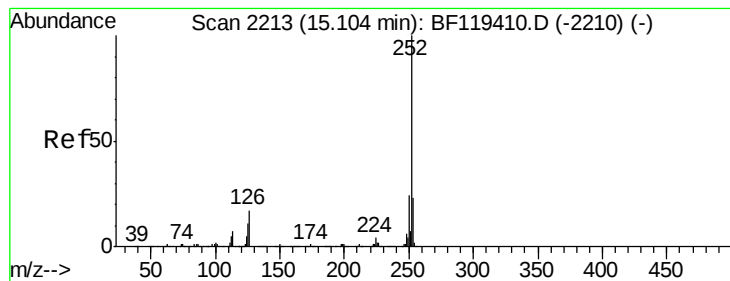
Tgt Ion:264 Resp: 537880
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 21.5 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 8.44 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion:252 Resp: 303353
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 13.1 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 8.87 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampleId :

SB-1B-(0-2)

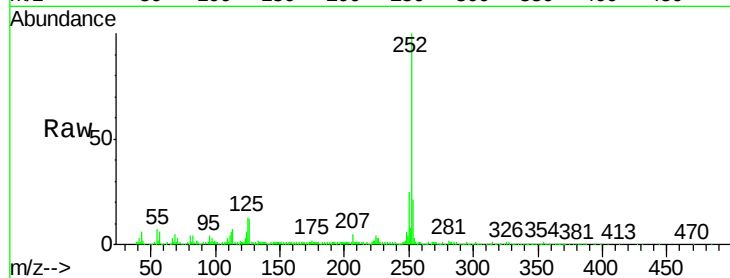
Tgt Ion:252 Resp: 303353

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

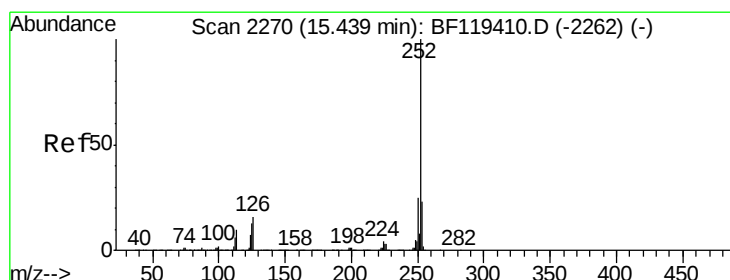
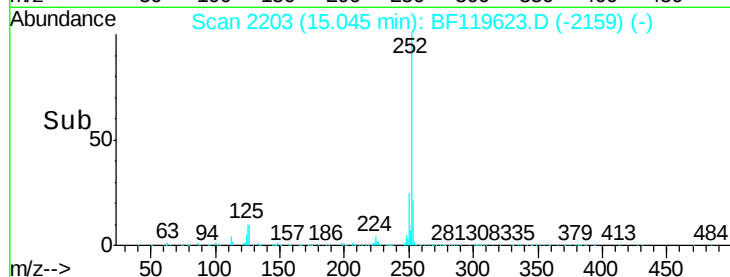
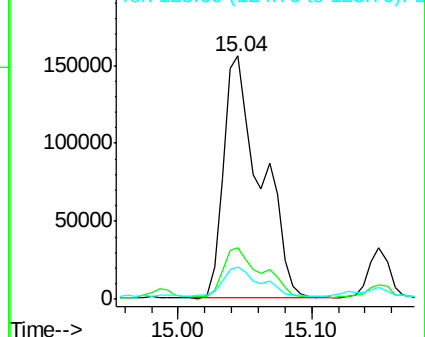
125 13.1 8.4 12.6#



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: 4.95 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.02 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

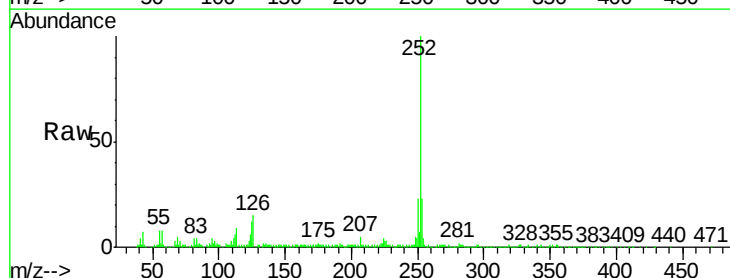
Tgt Ion:252 Resp: 161570

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

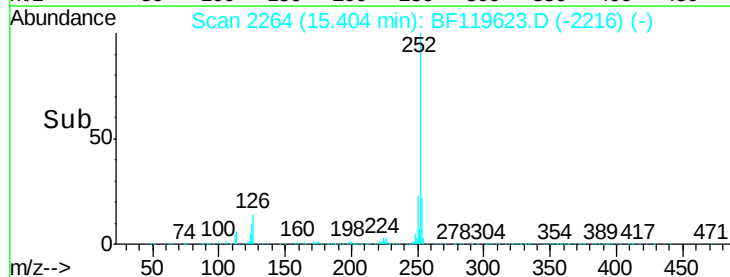
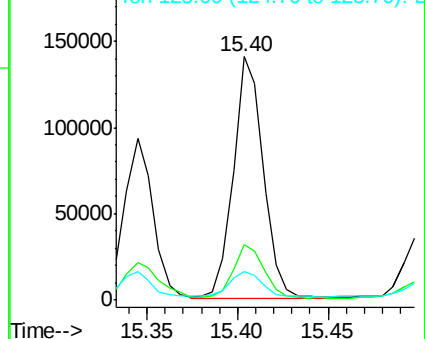
125 11.8 9.4 14.2

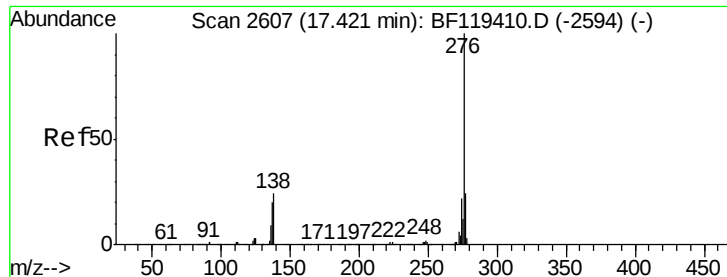


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 2.87 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.04 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampleId :

SB-1B-(0-2)

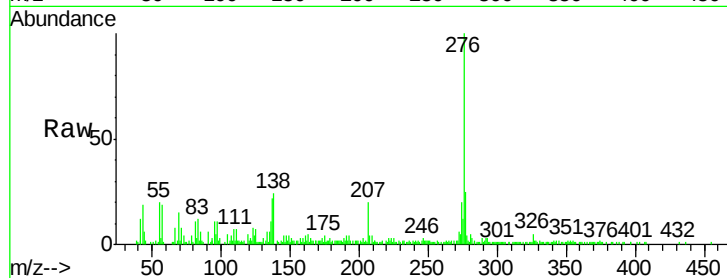
Tgt Ion: 276 Resp: 82445

Ion Ratio Lower Upper

276 100

277 24.8 18.4 27.6

138 24.2 15.4 23.0#



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

