

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF033120\
 Data File : BF119656.D
 Acq On : 31 Mar 2020 17:14
 Operator : MA/SJ
 Sample : L2042-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 31 17:44:13 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	310578	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1153680	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	558904	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	929548	20.00	ng	0.00
76) Chrysene-d12	14.01	240	538838	20.00	ng	0.00
87) Perylene-d12	15.48	264	549006	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	2001743	102.60	ng	0.01
7) Phenol-d6	6.46	99	2549905	102.31	ng	0.00
23) Nitrobenzene-d5	7.39	82	1575544	74.22	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	569354	98.74	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2710450	71.85	ng	0.00
79) Terphenyl-d14	12.96	244	2367548	86.08	ng	0.00

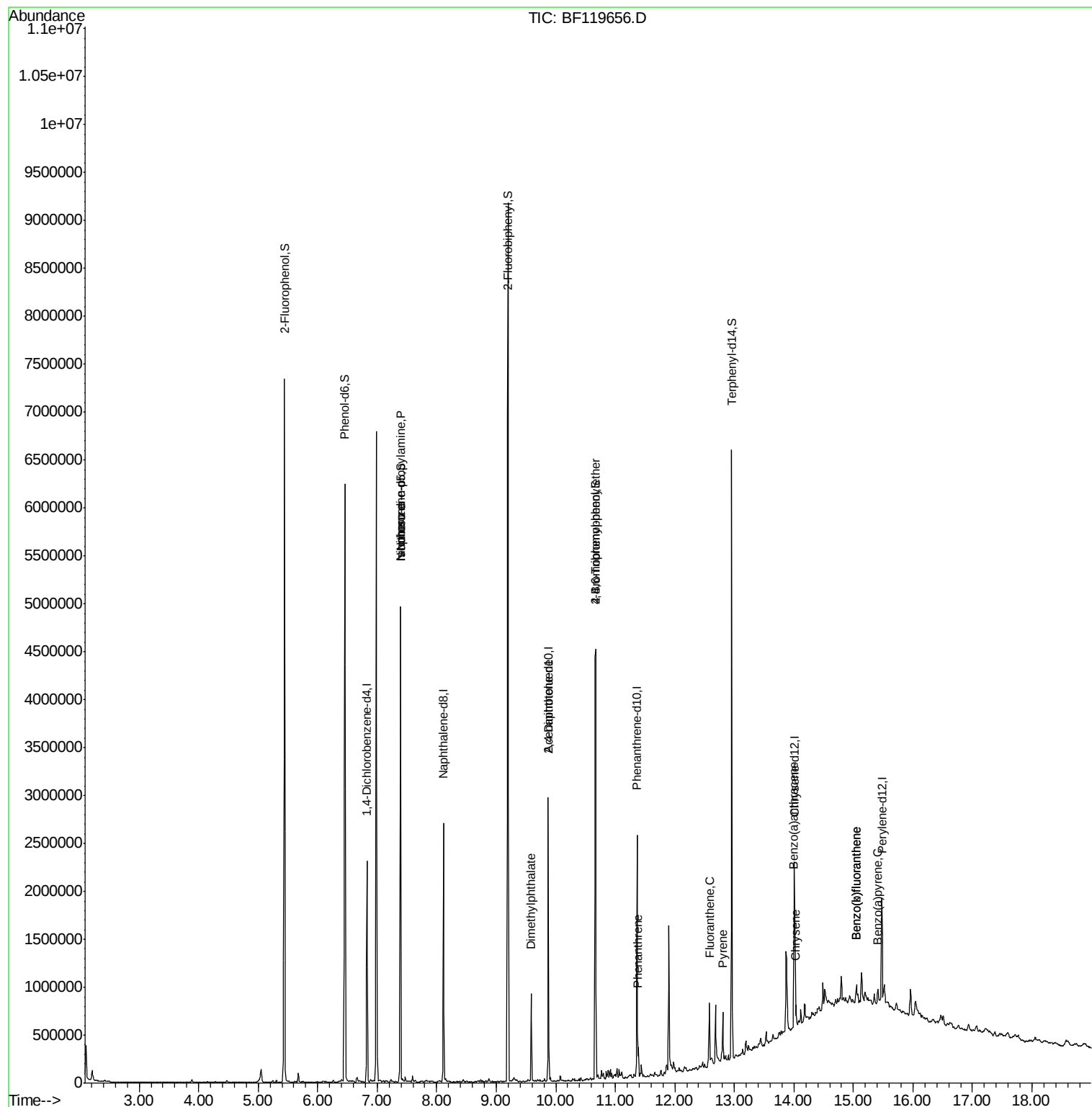
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	208043	13.849	ng	# 74
25) Isophorone	7.39	82	1556215	36.140	ng	# 65
50) Dimethylphthalate	9.59	163	324626	8.177	ng	100
57) 2,4-Dinitrotoluene	9.87	165	72317	6.746	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	36167	3.416	ng	# 1
71) Phenanthrene	11.39	178	156773	3.253	ng	97
75) Fluoranthene	12.58	202	252778	4.846	ng	96
78) Pyrene	12.81	202	212599	4.808	ng	96
81) Benzo(a)anthracene	14.00	228	95781	2.733	ng	98
83) Chrysene	14.03	228	84728	2.343	ng	94
88) Benzo(b)fluoranthene	15.05	252	152554	4.160	ng	# 90
89) Benzo(k)fluoranthene	15.05	252	152554	4.369	ng	# 91
90) Benzo(a)pyrene	15.41	252	80475	2.415	ng	# 88

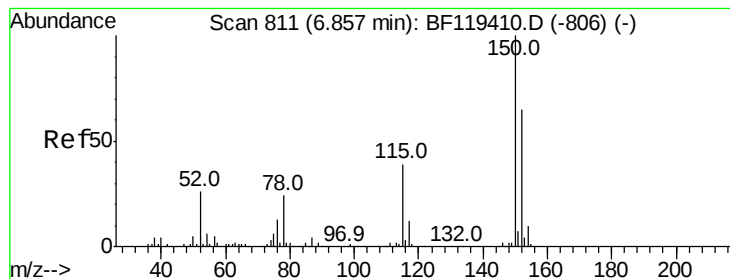
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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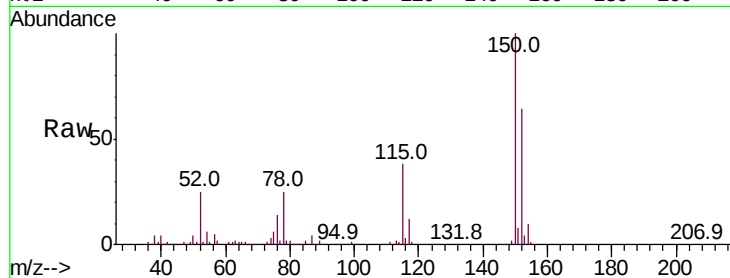


#1

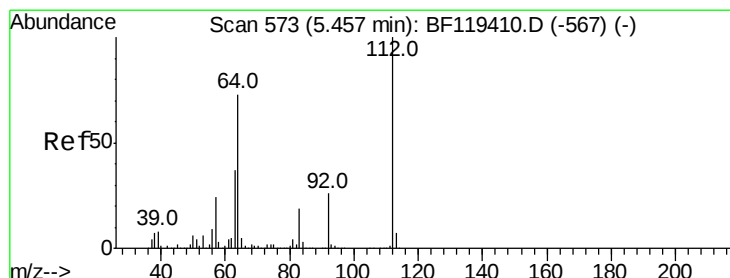
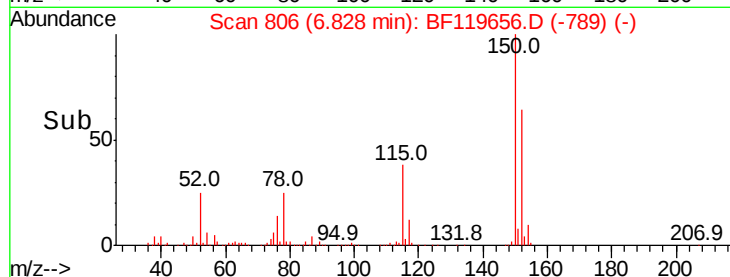
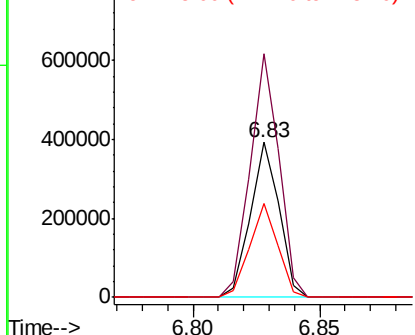
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

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

Tot Ion:152 Resp: 310578
Ion Ratio Lower Upper
152 100
150 157.0 124.5 186.7
115 60.2 49.6 74.4



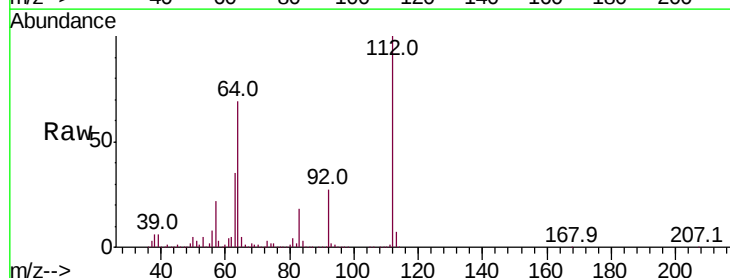
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



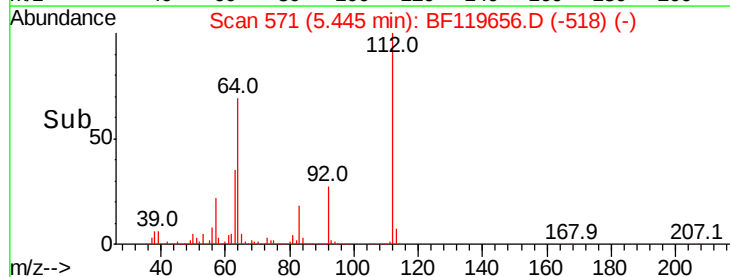
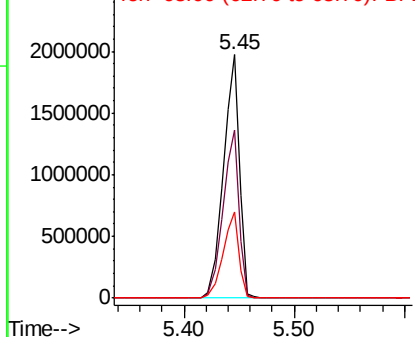
#5

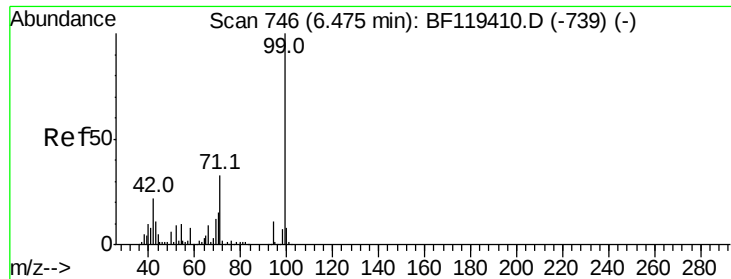
2-Fluorophenol
Concen: 102.602 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

Tgt Ion:112 Resp: 2001743
Ion Ratio Lower Upper
112 100
64 69.1 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: 102.314 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

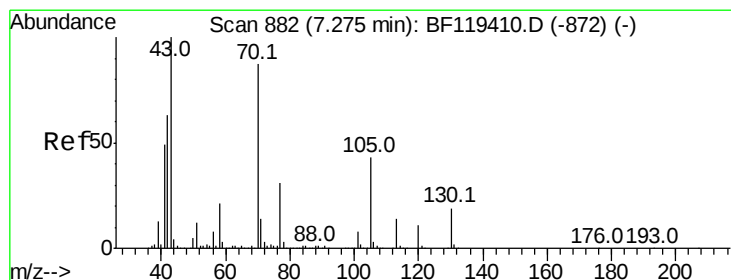
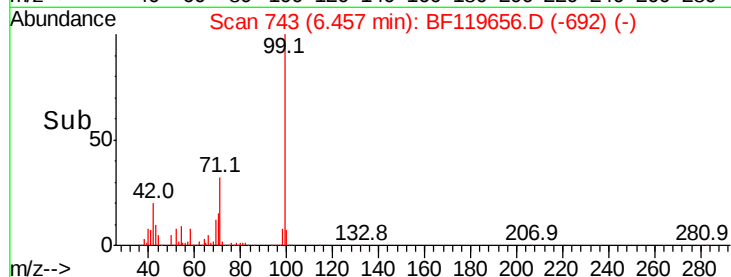
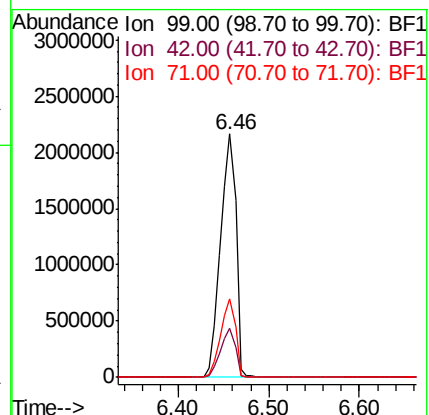
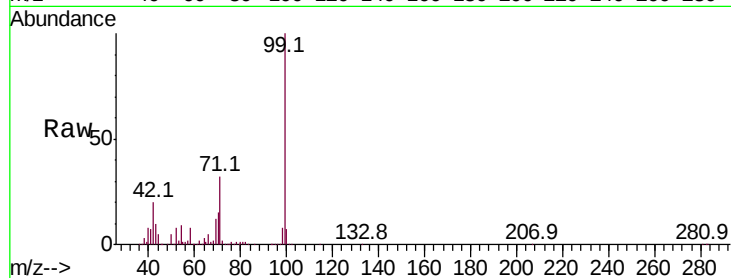
Tot Ion: 99 Resp: 2549905

Ion Ratio Lower Upper

99 100

42 20.1 16.6 24.8

71 32.3 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.849 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

Tgt Ion: 70 Resp: 208043

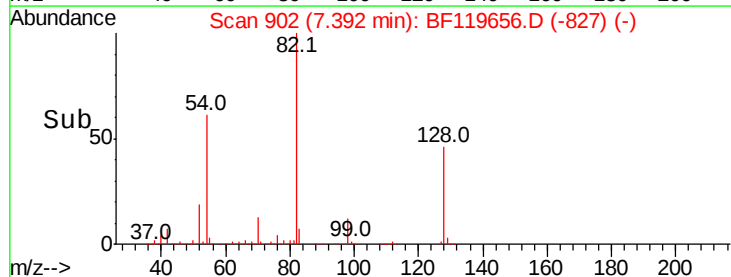
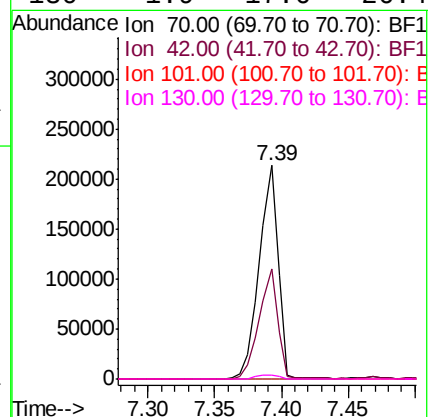
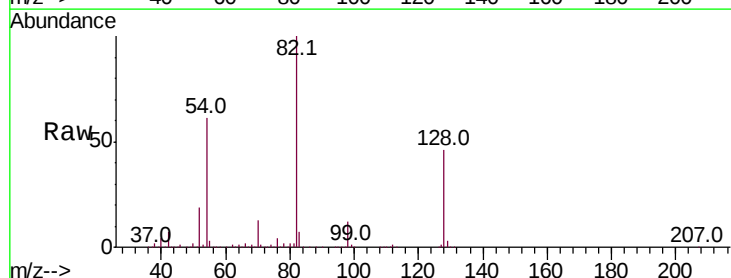
Ion Ratio Lower Upper

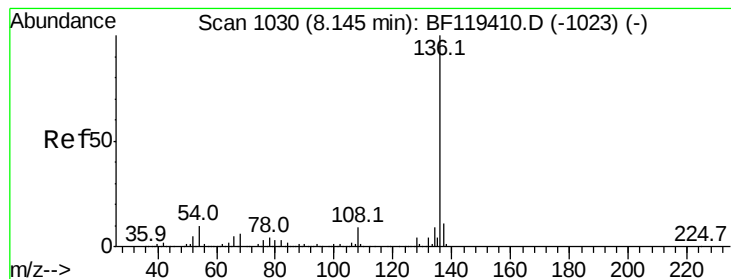
70 100

42 51.4 54.5 81.7#

101 0.0 7.6 11.4#

130 1.9 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

Tot Ion:136 Resp: 1153680

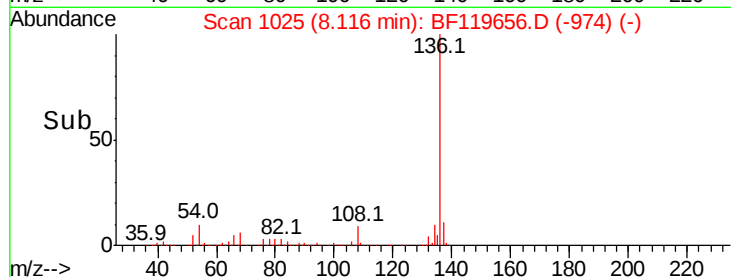
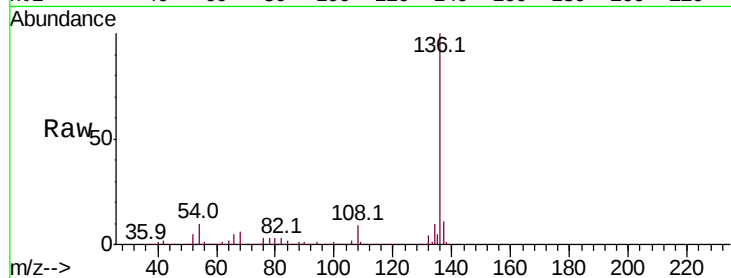
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.0 9.1 13.7

68 6.1 4.6 6.8

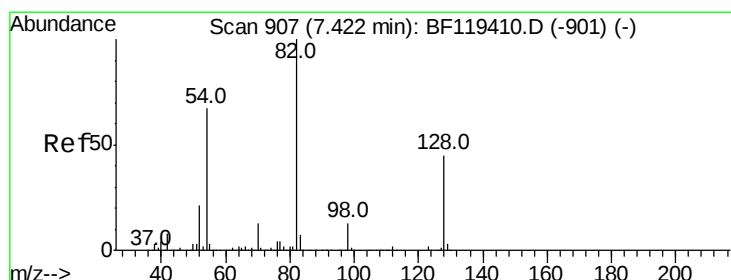
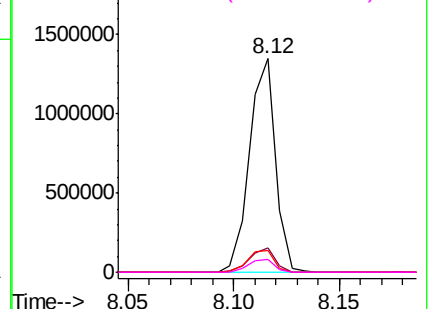


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.221 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

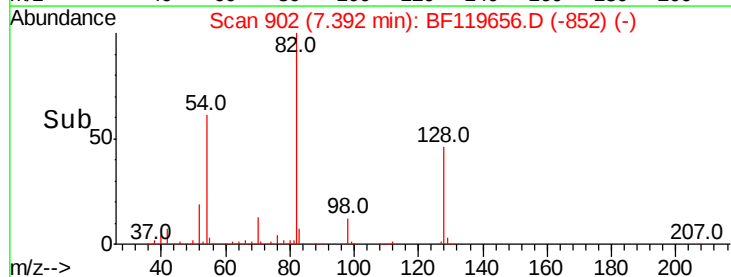
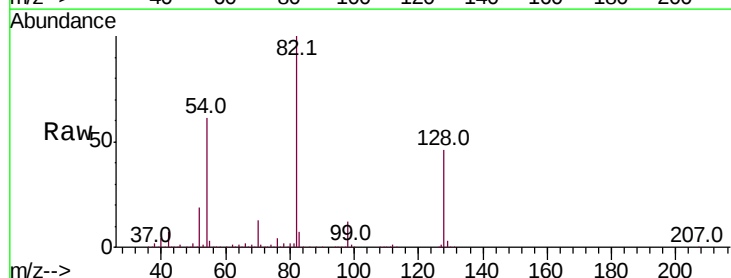
Tgt Ion: 82 Resp: 1575544

Ion Ratio Lower Upper

82 100

128 46.4 36.3 54.5

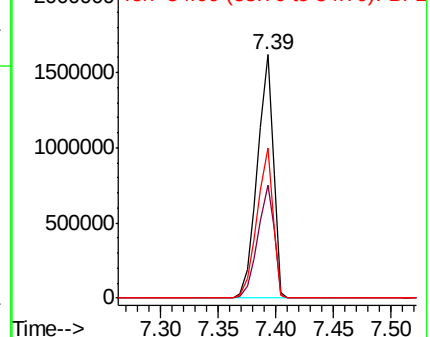
54 61.5 50.6 75.8

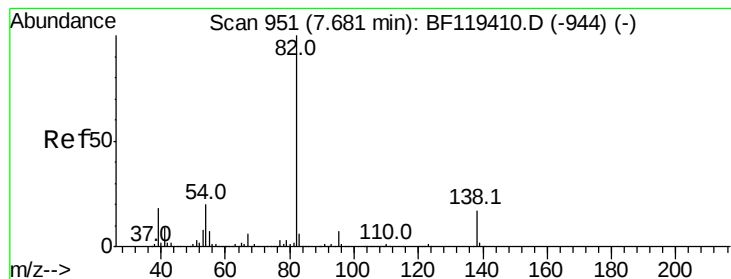


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.140 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

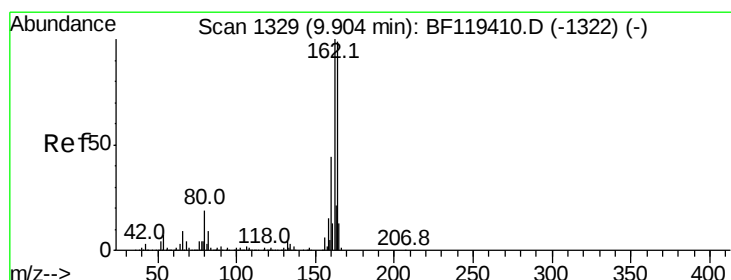
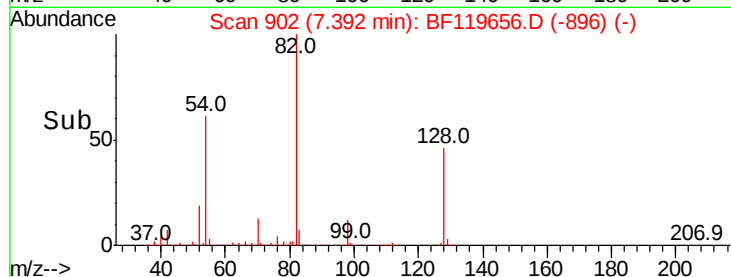
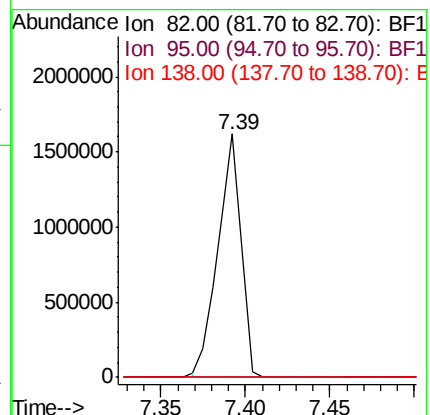
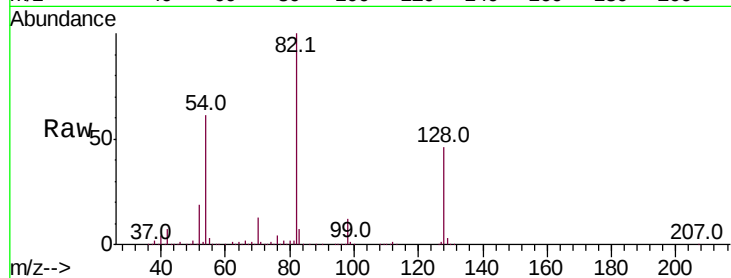
Tot Ion: 82 Resp: 1556215

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

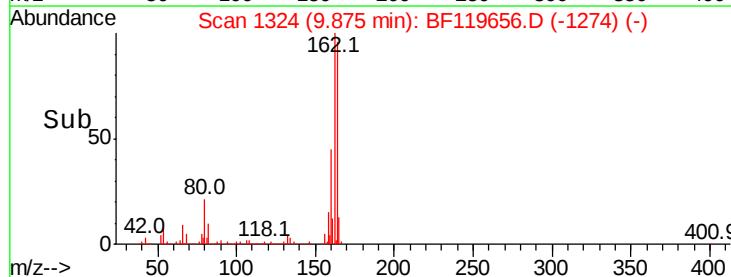
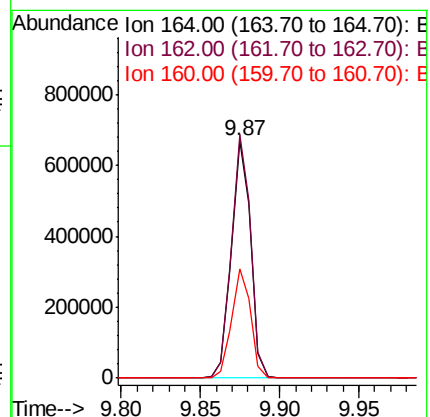
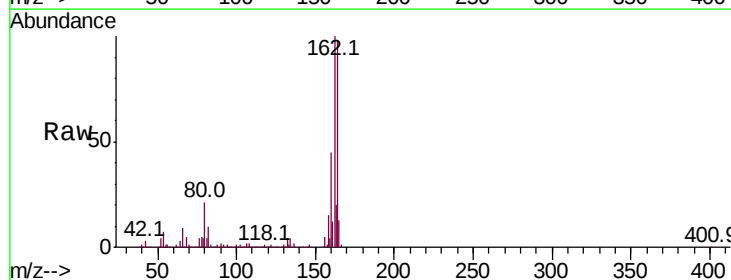
Tgt Ion:164 Resp: 558904

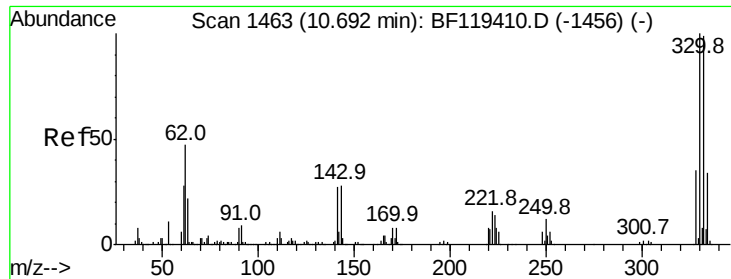
Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

160 45.7 35.7 53.5

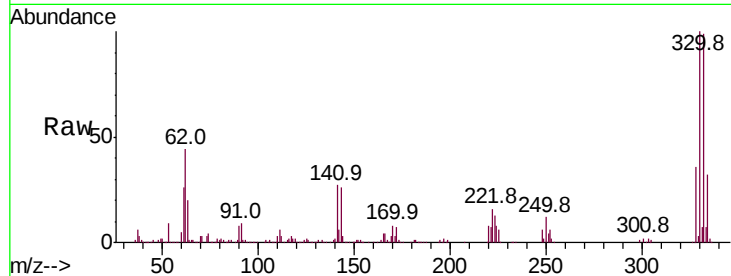




#42
 2,4,6-Tribromophenol
 Concen: 98.743 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119656.D
 Acq: 31 Mar 2020 17:14

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.7	113.5
141	31.5	25.4	38.0

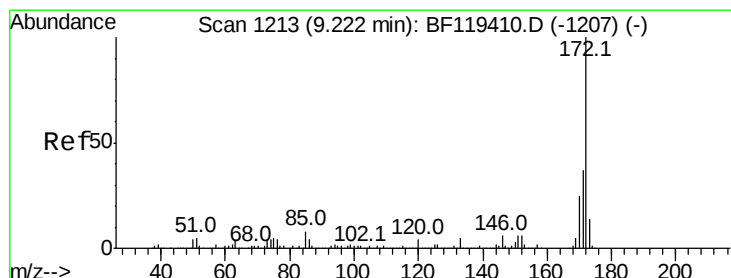
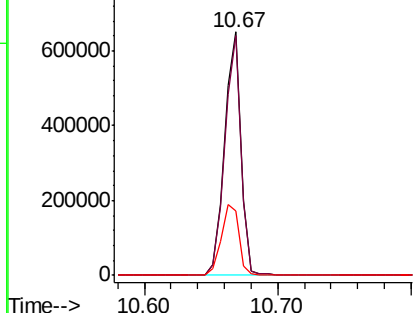
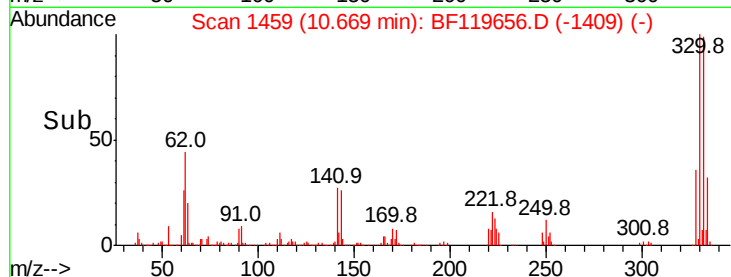


Abundance

Ion 329.80 (329.50 to 330.50): E

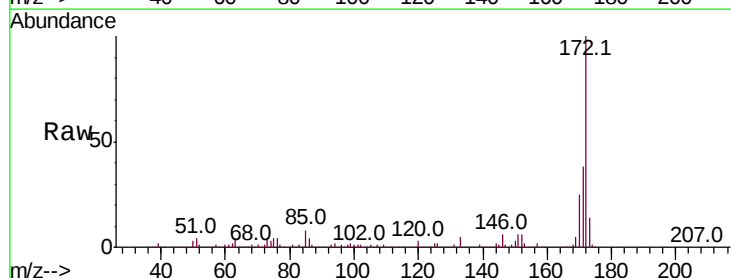
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 71.845 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF119656.D
 Acq: 31 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.6	44.4
170	25.3	20.2	30.2

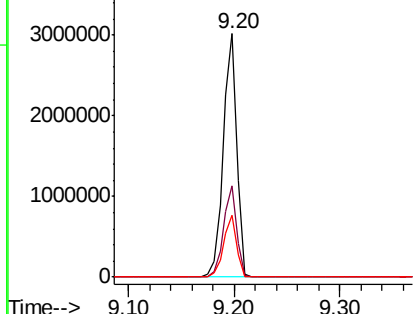
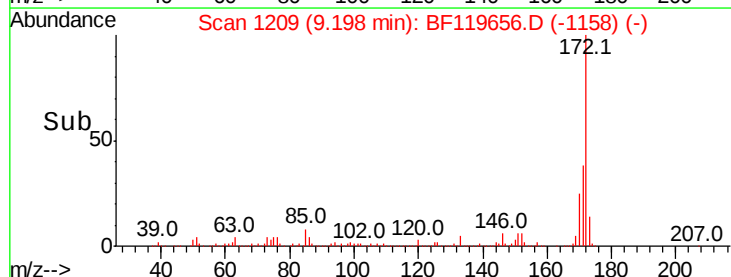


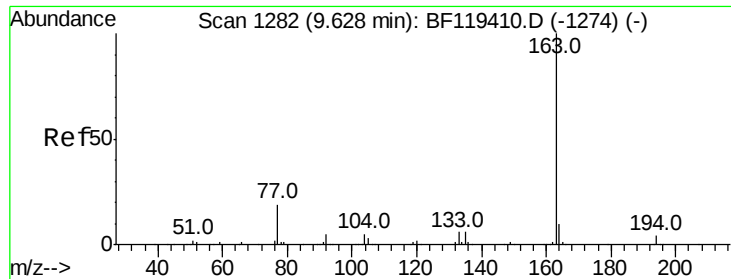
Abundance

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

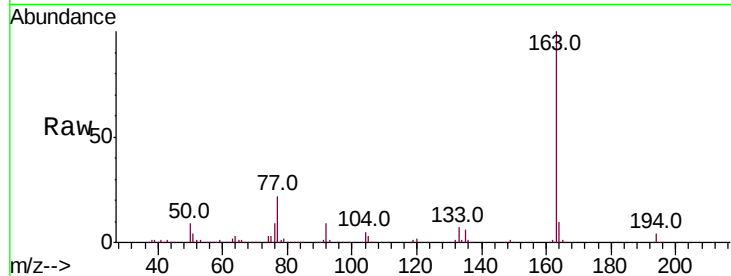




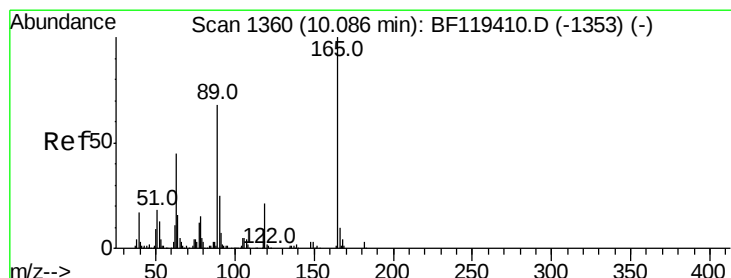
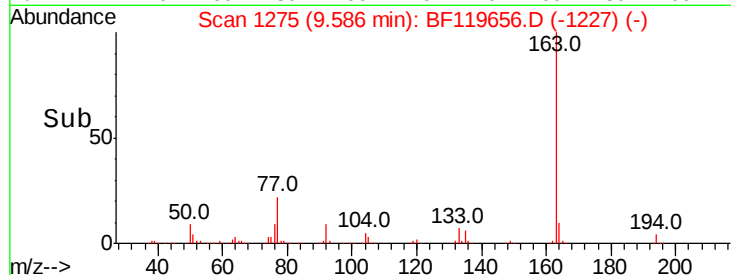
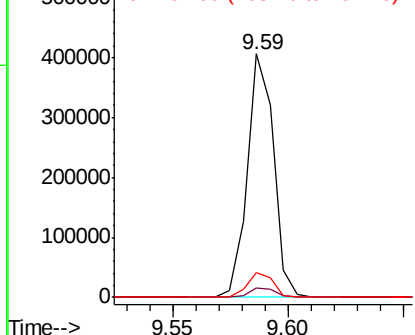
#50
Dimethylphthalate
Concen: 8.177 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.2	8.2	12.2

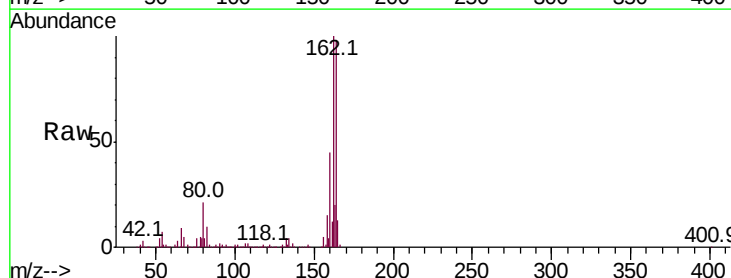


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

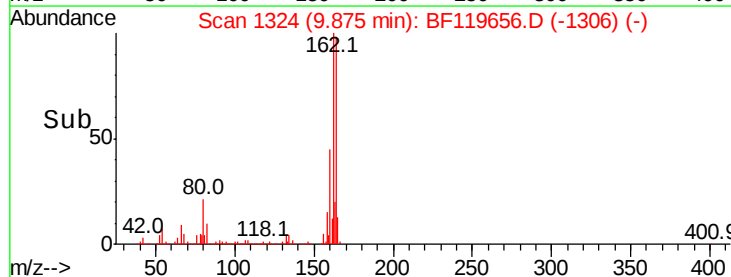
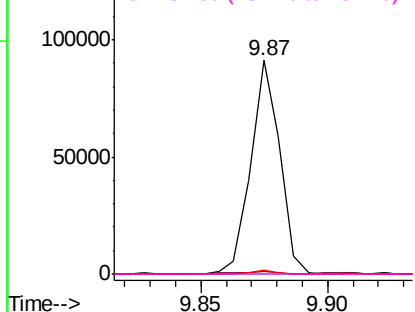


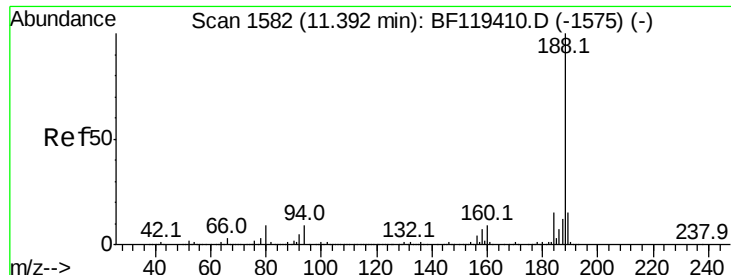
#57
2,4-Dinitrotoluene
Concen: 6.746 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.6	64.0#
89	1.5	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

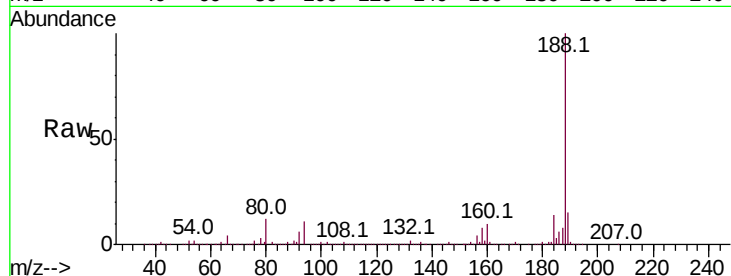




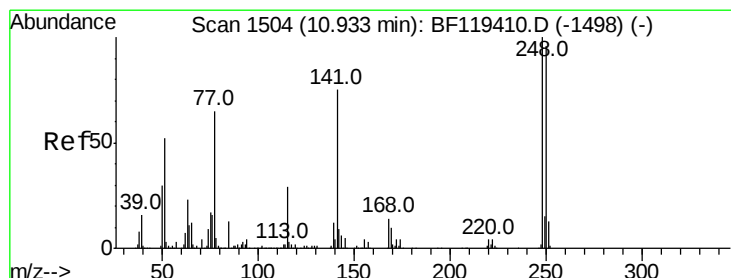
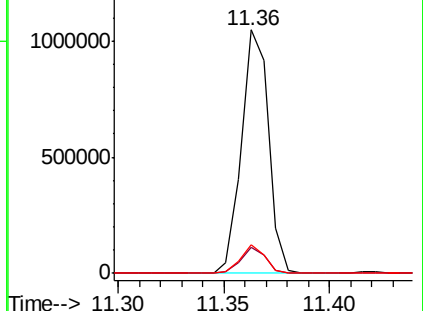
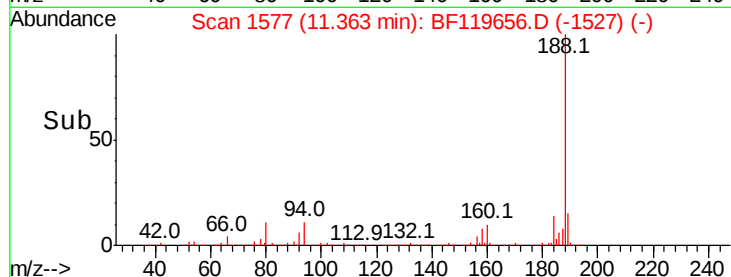
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

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

Tot Ion:188 Resp: 929548
Ion Ratio Lower Upper
188 100
94 10.8 7.5 11.3
80 11.5 9.0 13.4

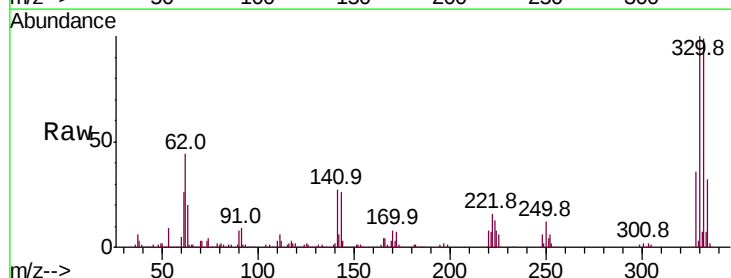


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

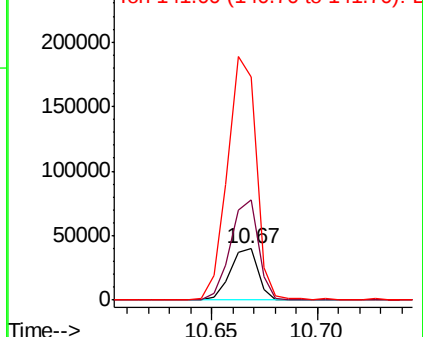
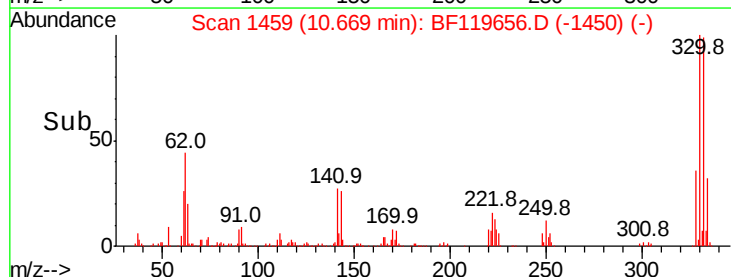


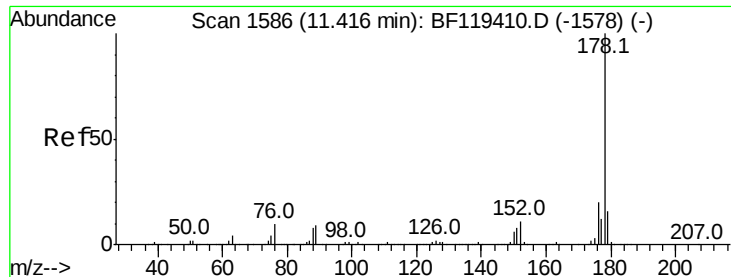
#67
4-Bromophenyl-phenylether
Concen: 3.416 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

Tgt Ion:248 Resp: 36167
Ion Ratio Lower Upper
248 100
250 195.1 77.3 115.9#
141 437.2 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

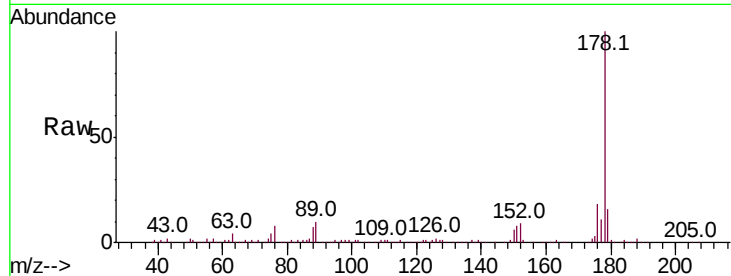




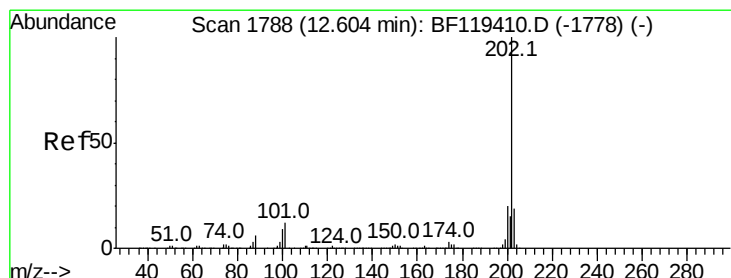
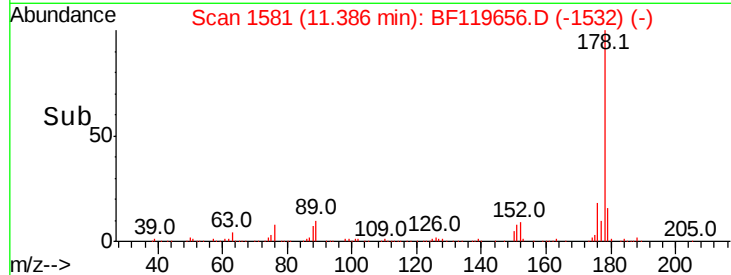
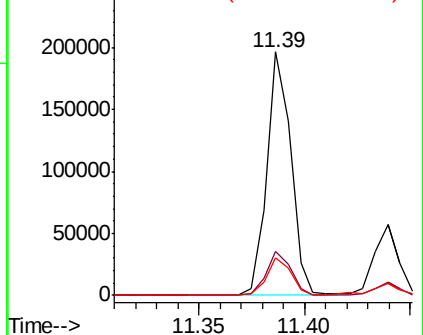
#71
Phenanthrene
Concen: 3.253 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

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

Tot Ion:178 Resp: 156773
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 15.5 13.2 19.8

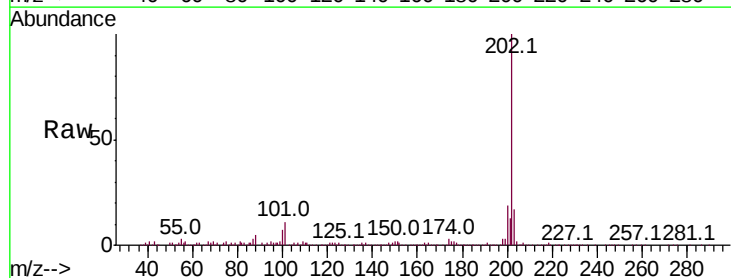


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

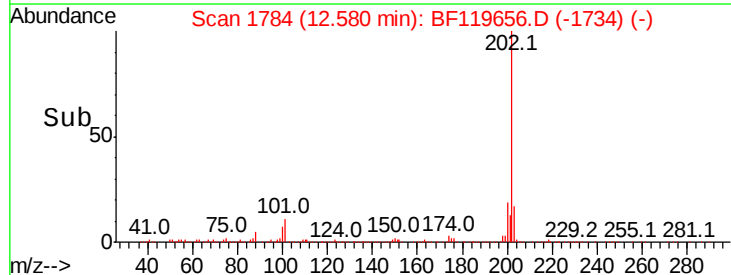
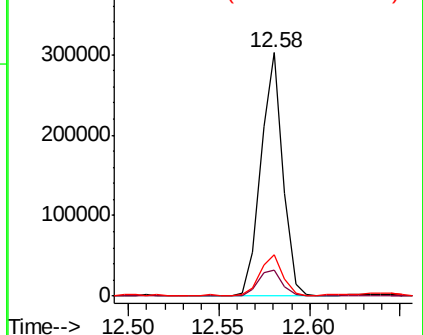


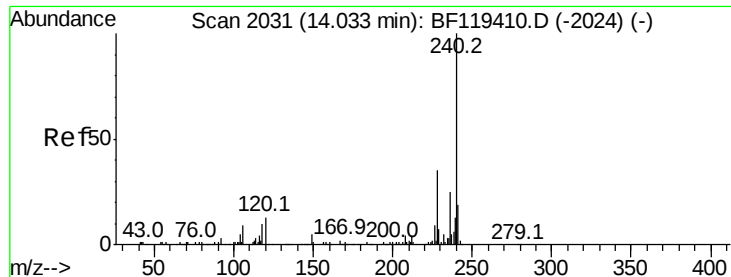
#75
Fluoranthene
Concen: 4.846 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

Tgt Ion:202 Resp: 252778
Ion Ratio Lower Upper
202 100
101 10.6 0.0 32.2
203 17.0 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

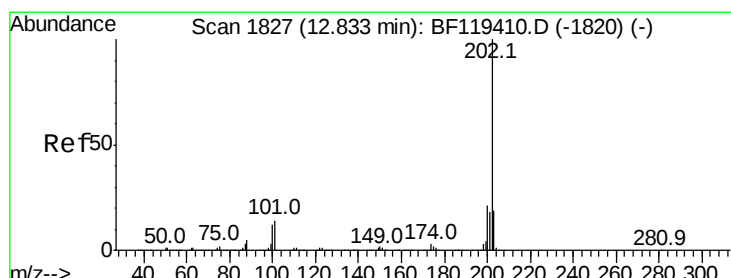
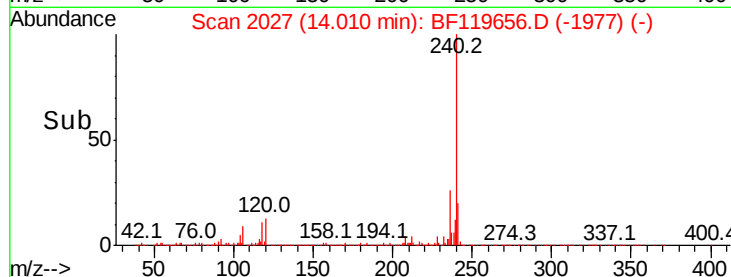
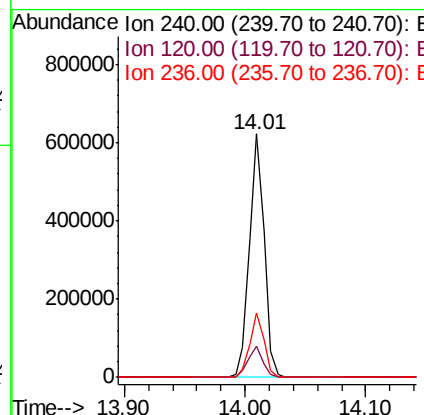
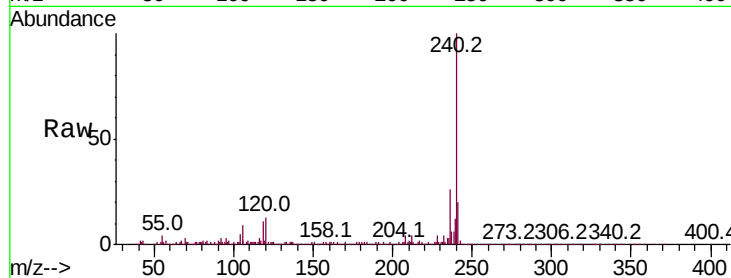




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF119656.D
 Acq: 31 Mar 2020 17:14

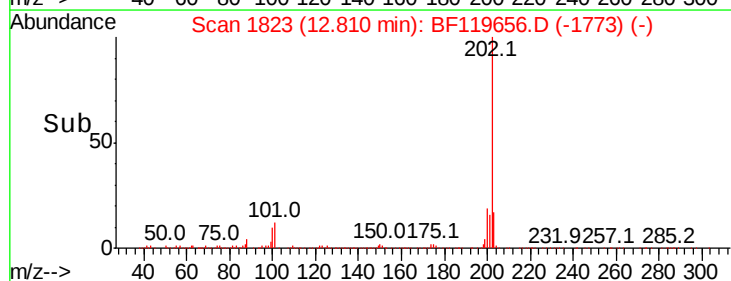
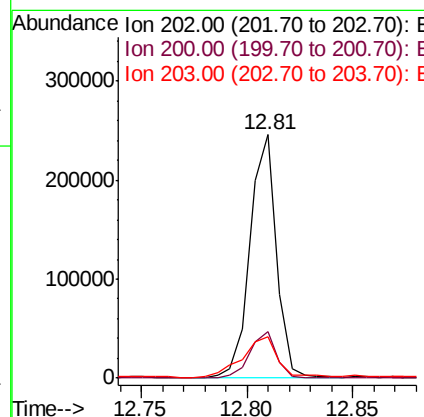
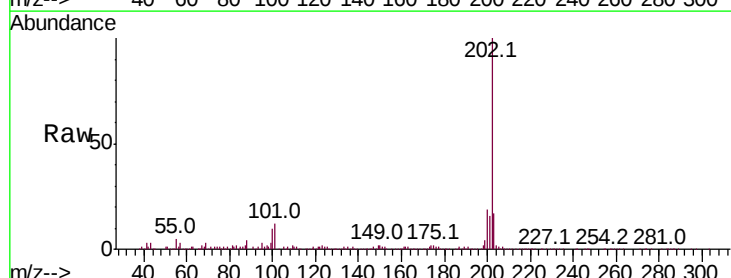
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-1.0-1.5

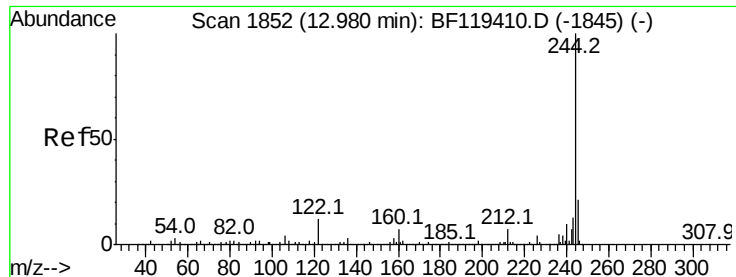
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.6	15.8
236	26.4	20.2	30.2



#78
 Pyrene
 Concen: 4.808 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF119656.D
 Acq: 31 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.9	16.8	25.2
203	17.2	15.1	22.7





#79

Terphenyl-d14

Concen: 86.084 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

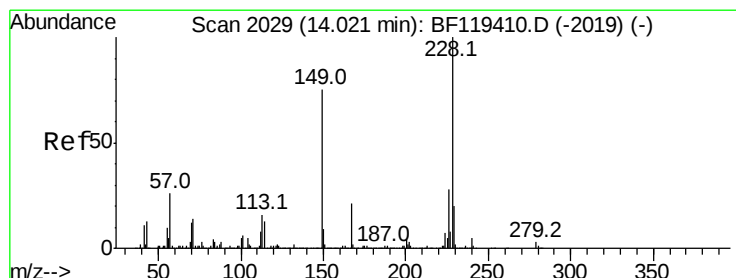
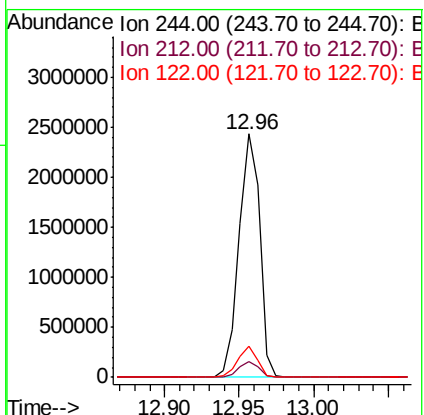
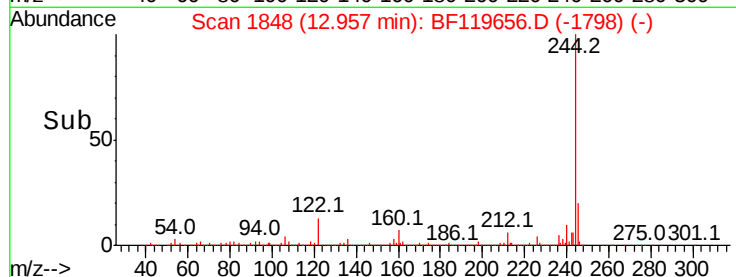
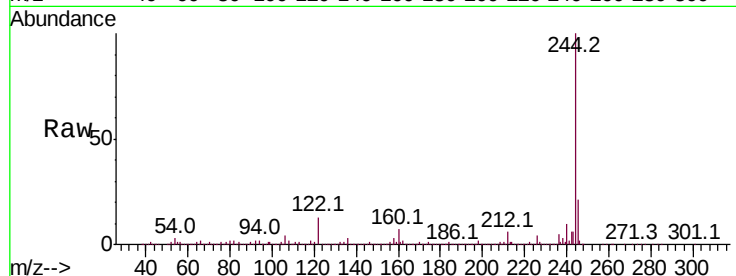
Tot Ion:244 Resp: 2367548

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

122 12.7 10.3 15.5



#81

Benzo(a)anthracene

Concen: 2.733 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

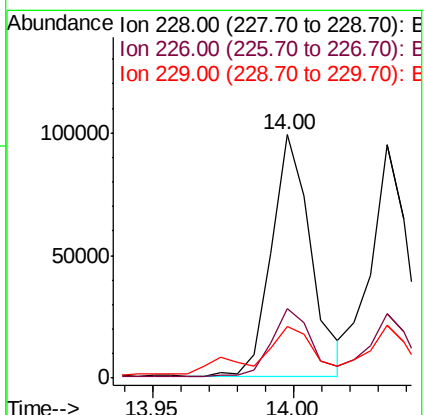
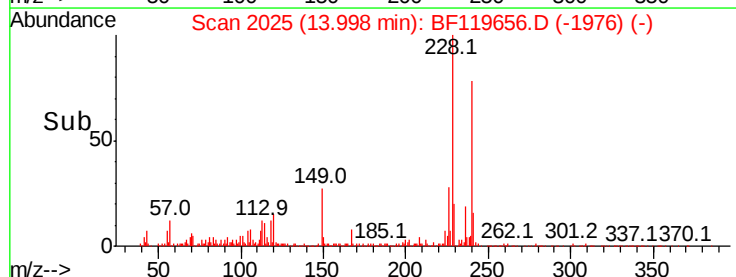
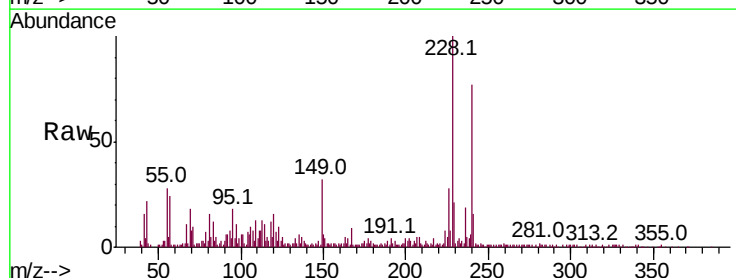
Tgt Ion:228 Resp: 95781

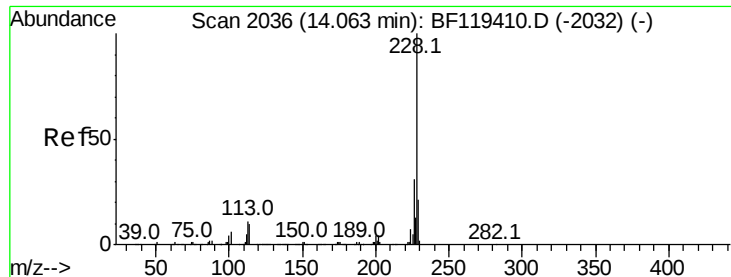
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 21.4 16.2 24.4

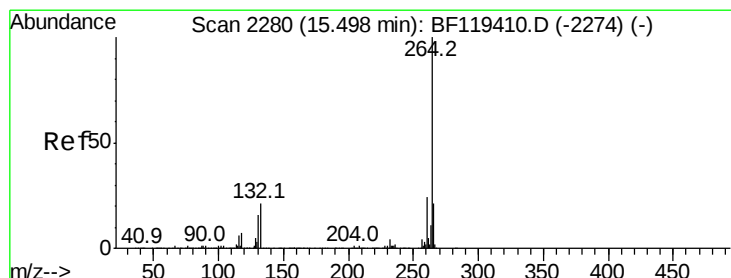
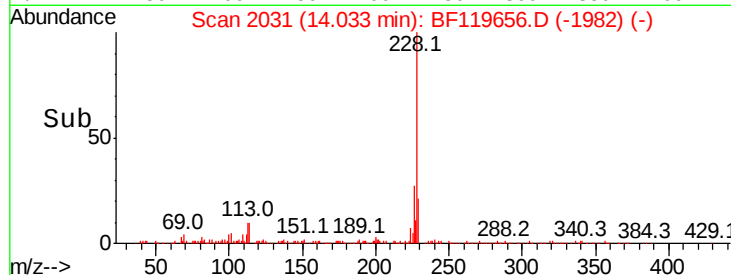
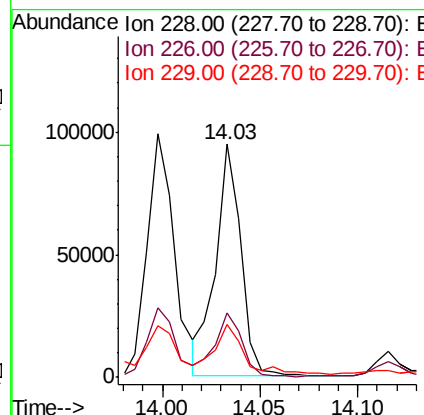
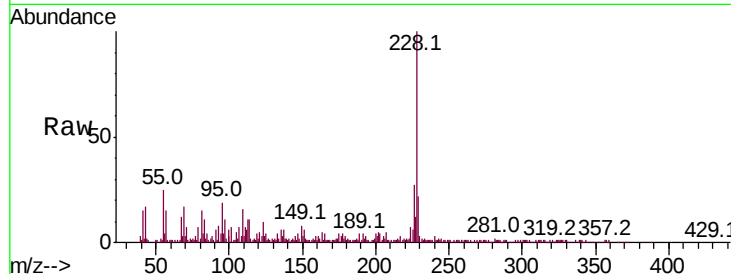




#83
Chrysene
Concen: 2.343 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

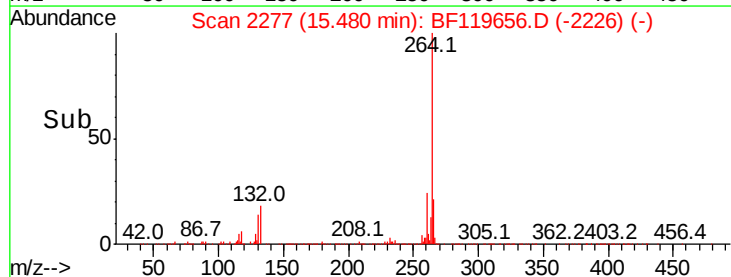
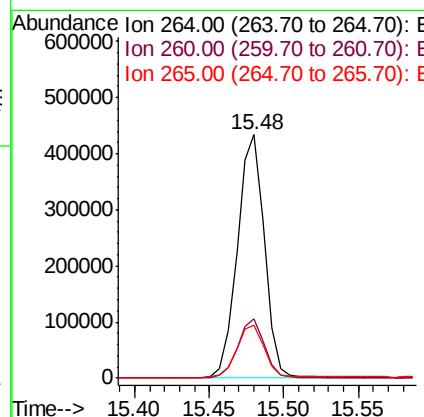
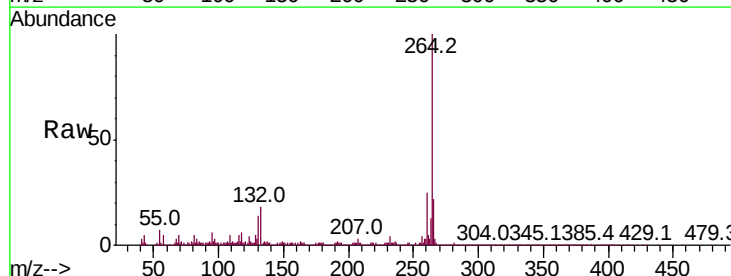
Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

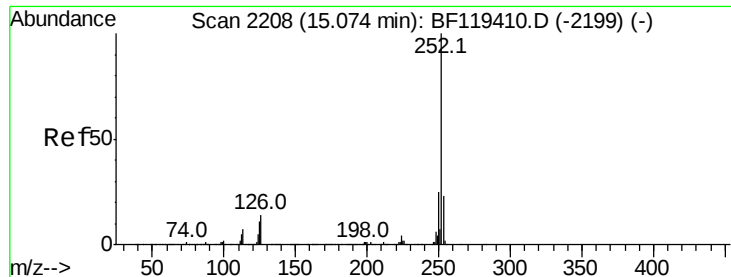
Tot Ion:228 Resp: 84728
Ion Ratio Lower Upper
228 100
226 27.4 25.4 38.0
229 22.5 16.6 24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

Tgt Ion:264 Resp: 549006
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 21.5 17.7 26.5

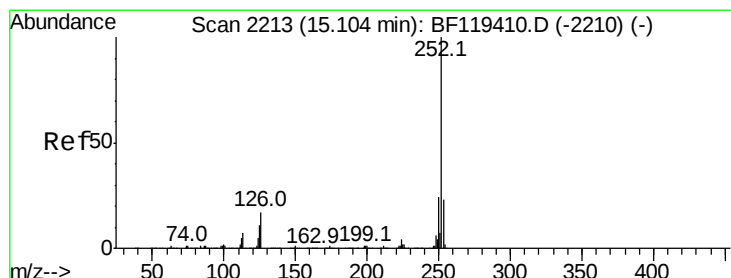
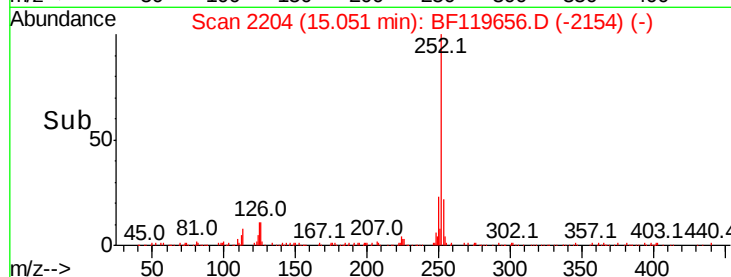
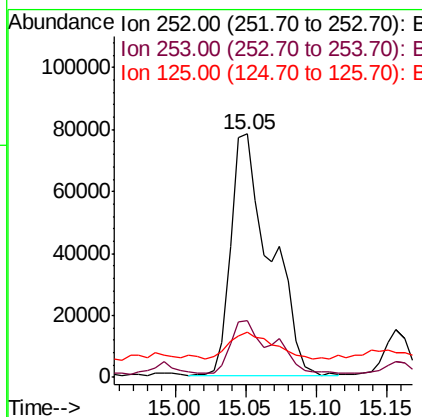
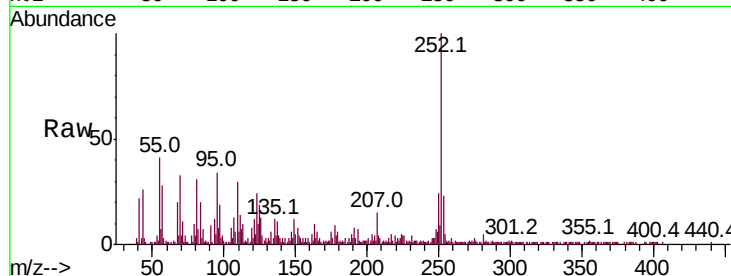




#88
Benzo(b)fluoranthene
Concen: 4.160 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

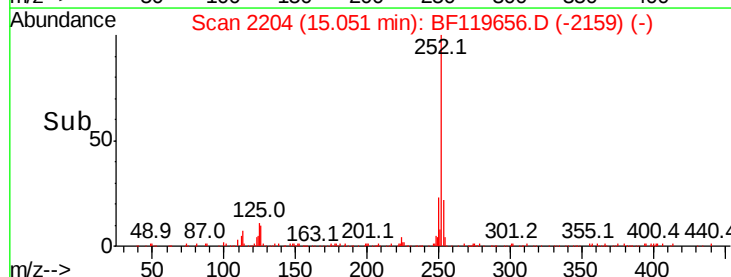
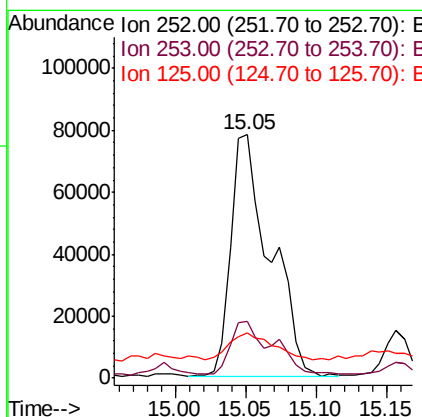
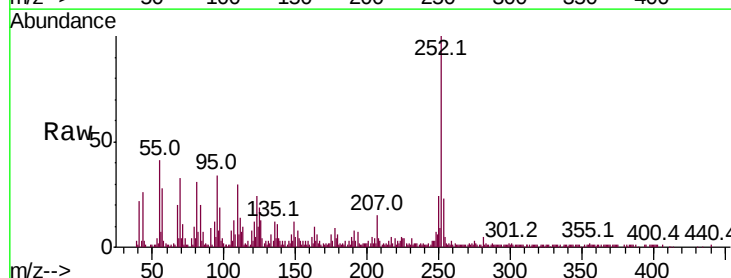
Instrument :
BNA_F
ClientSampleId :
SB-02-1.0-1.5

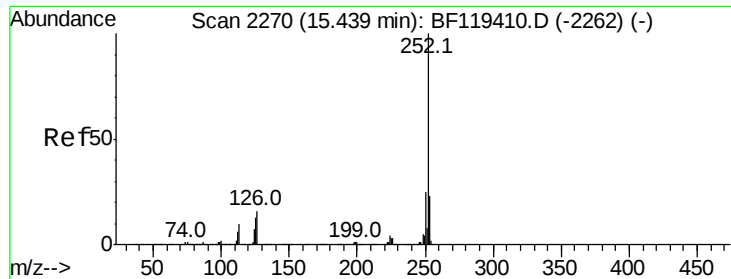
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	18.7	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 4.369 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF119656.D
Acq: 31 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	18.7	8.4	12.6#





#90

Benzo(a)pyrene

Concen: 2.415 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF119656.D

Acq: 31 Mar 2020 17:14

Instrument :

BNA_F

ClientSampleId :

SB-02-1.0-1.5

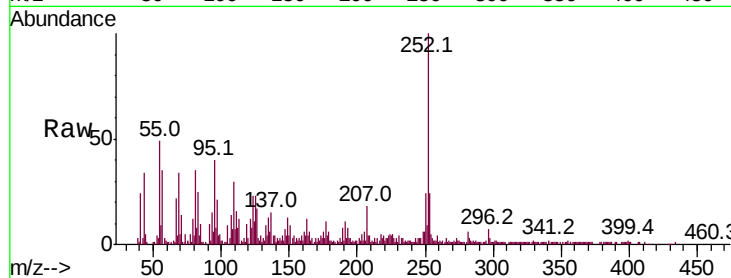
Tot Ion:252 Resp: 80475

Ion Ratio Lower Upper

252 100

253 24.4 18.2 27.2

125 23.2 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

