

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119624.D
 Acq On : 28 Mar 2020 18:37
 Operator : CG/JU
 Sample : L2040-10
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-346

Quant Time: Mar 29 23:19:48 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	294176	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1003459	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	477490	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	705846	20.00	ng	0.00
76) Chrysene-d12	14.00	240	566603	20.00	ng	-0.01
87) Perylene-d12	15.47	264	515460	20.00	ng	-0.01

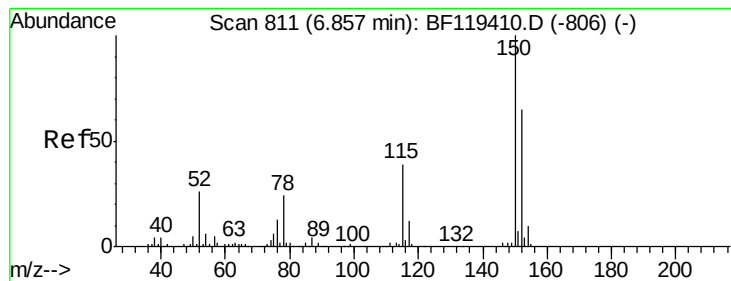
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	2072513	112.15	ng	0.01
7) Phenol-d6	6.46	99	2650820	112.29	ng	0.00
23) Nitrobenzene-d5	7.40	82	1484476	80.40	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	521879	105.94	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2564613	79.57	ng	0.00
79) Terphenyl-d14	12.96	244	2063778	71.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	197057	13.85	ng	# 75
25) Isophorone	7.40	82	1476230	39.41	ng	# 65
50) Dimethylphthalate	9.59	163	278069	8.20	ng	99
57) 2,4-Dinitrotoluene	9.87	165	61298	6.69	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	31055	3.86	ng	# 1
71) Phenanthrene	11.39	178	95887	2.62	ng	96
75) Fluoranthene	12.57	202	348606	8.80	ng	97
78) Pyrene	12.80	202	270264	5.81	ng	98
81) Benzo(a)anthracene	13.99	228	100326	2.72	ng	97
83) Chrysene	14.03	228	114931	3.02	ng	96
84) Bis(2-ethylhexyl)phthalate	13.99	149	98936	4.41	ng	# 96
88) Benzo(b)fluoranthene	15.04	252	150931	4.38	ng	# 94
89) Benzo(k)fluoranthene	15.04	252	150931	4.60	ng	95

(#) = 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# 807

Delta R.T. -0.00 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

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RO-346

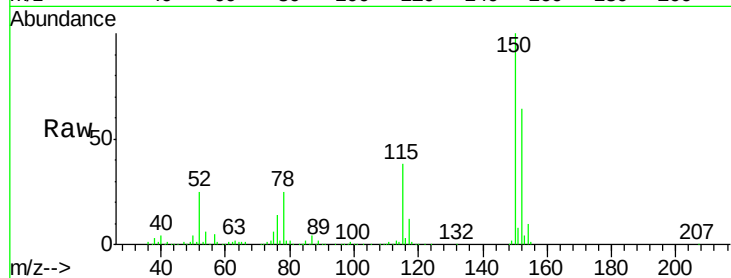
Tgt Ion:152 Resp: 294176

Ion Ratio Lower Upper

152 100

150 155.1 124.5 186.7

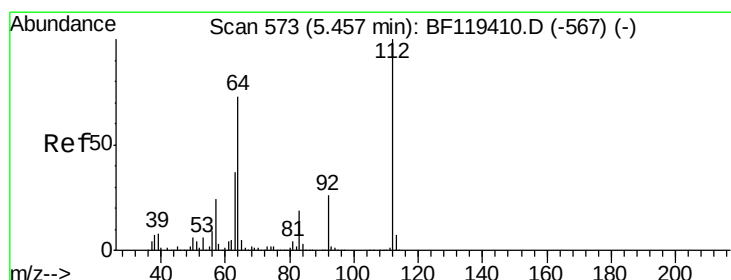
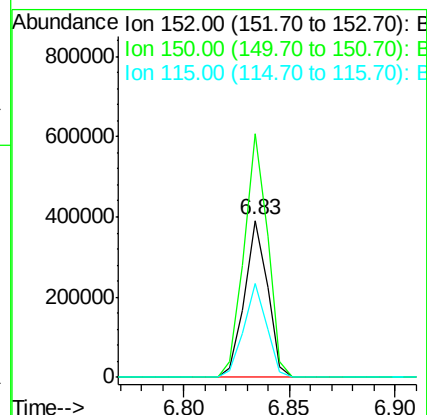
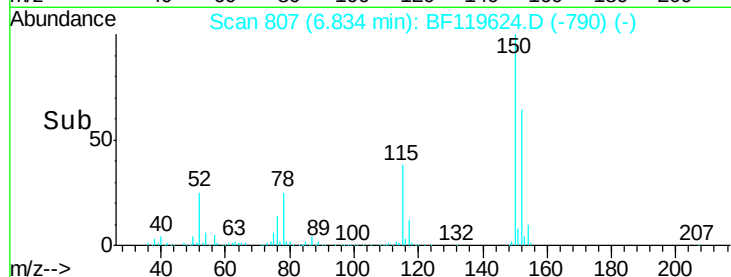
115 59.5 49.6 74.4



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: 112.15 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

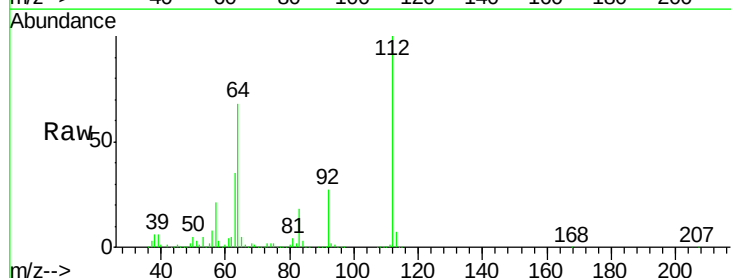
Tgt Ion:112 Resp: 2072513

Ion Ratio Lower Upper

112 100

64 67.6 56.7 85.1

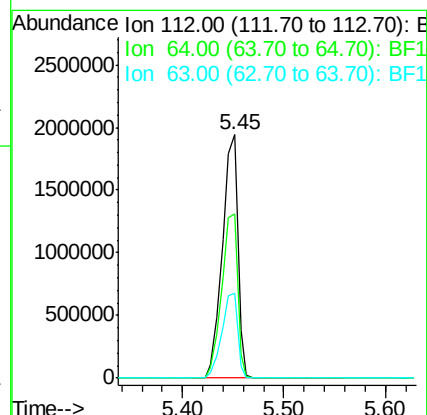
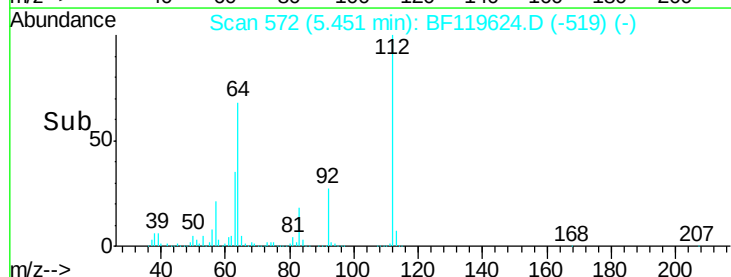
63 34.6 29.5 44.3

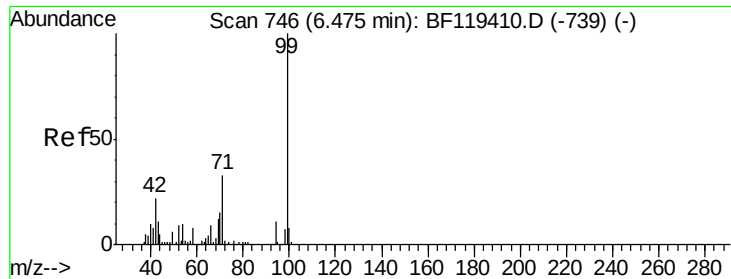


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.29 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampleId :

RO-346

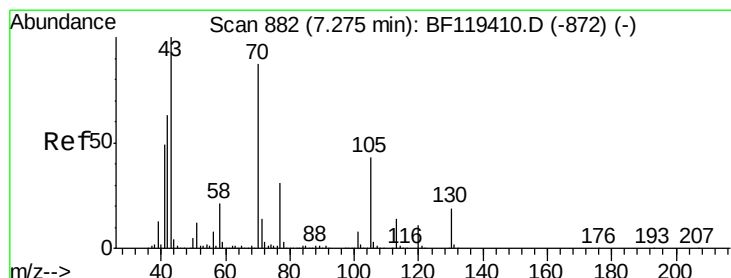
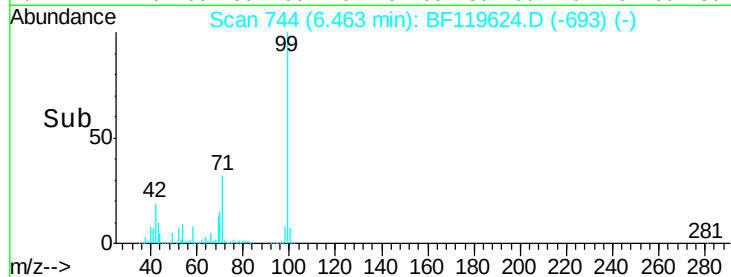
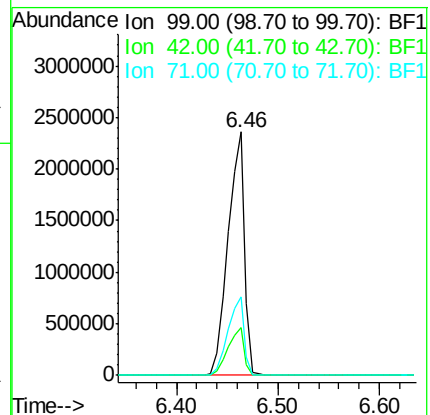
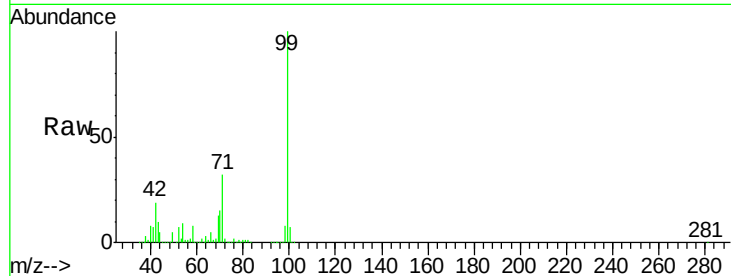
Tgt Ion: 99 Resp: 2650820

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

71 32.4 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.85 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Tgt Ion: 70 Resp: 197057

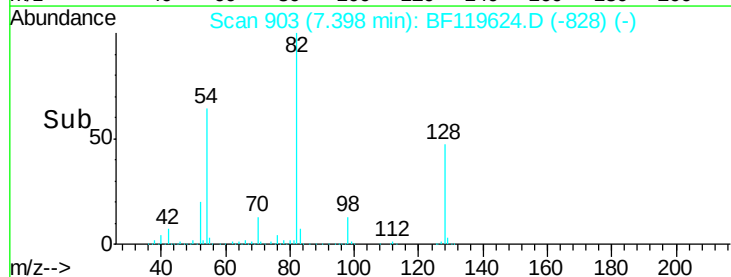
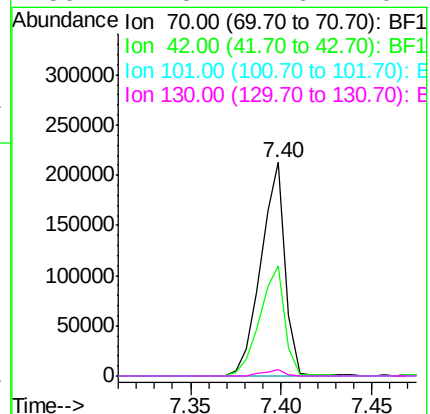
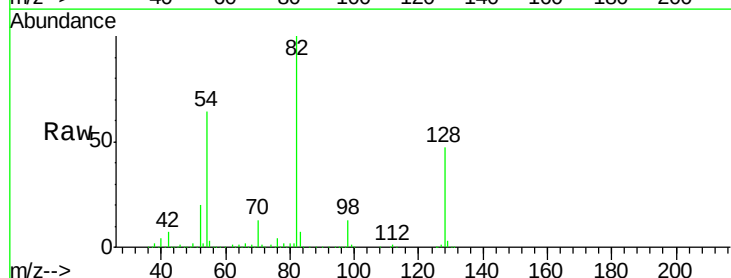
Ion Ratio Lower Upper

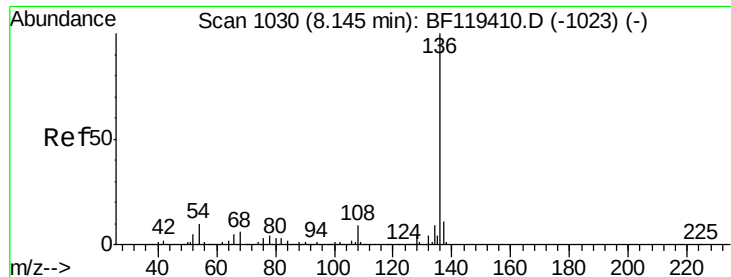
70 100

42 51.6 54.5 81.7#

101 0.0 7.6 11.4#

130 2.8 17.6 26.4#

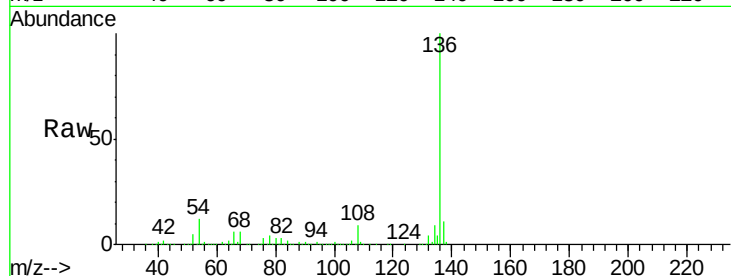




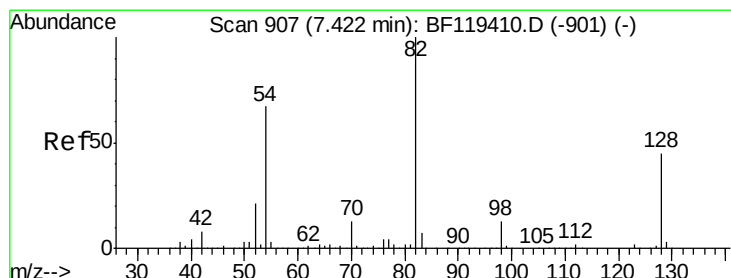
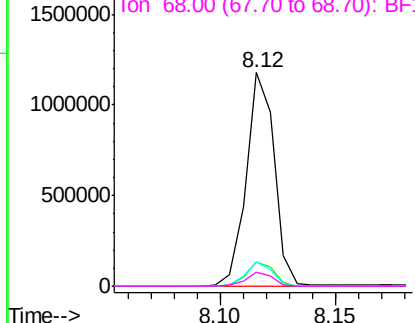
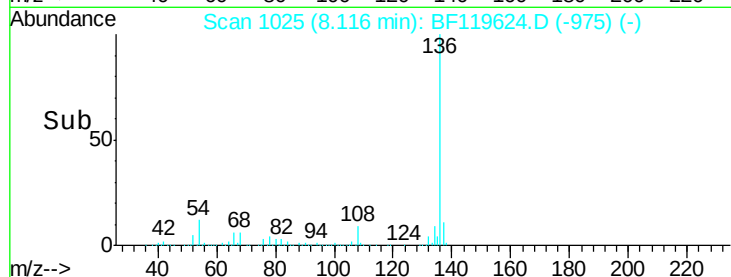
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119624.D
Acq: 28 Mar 2020 18:37

Instrument :
BNA_F
ClientSampleId :
RO-346

Tgt Ion:136 Resp: 1003459
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 11.5 9.1 13.7
68 6.5 4.6 6.8

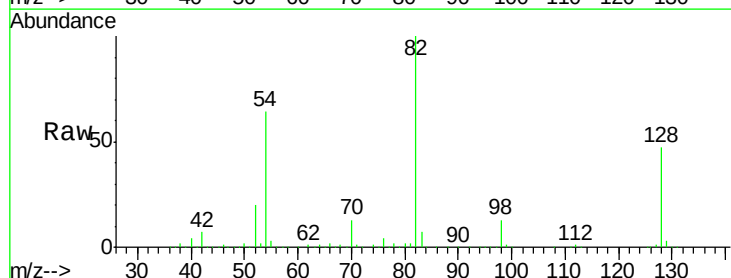


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

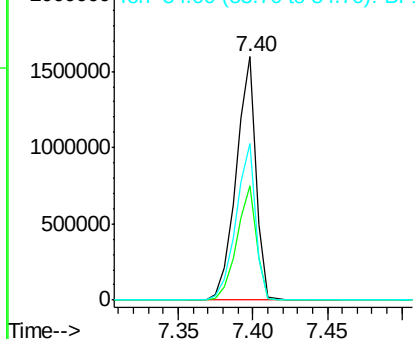
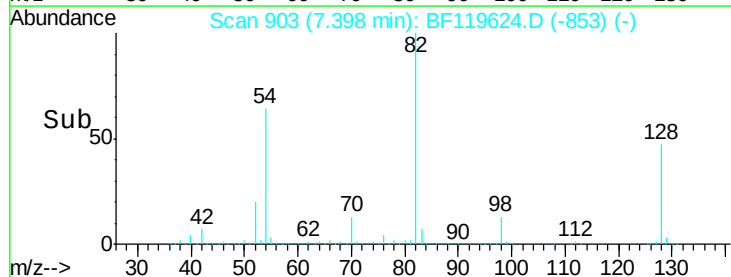


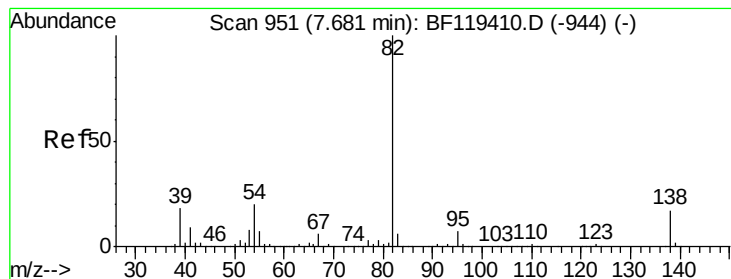
#23
Nitrobenzene-d5
Concen: 80.40 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF119624.D
Acq: 28 Mar 2020 18:37

Tgt Ion: 82 Resp: 1484476
Ion Ratio Lower Upper
82 100
128 46.9 36.3 54.5
54 64.2 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: 39.41 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampled :

RO-346

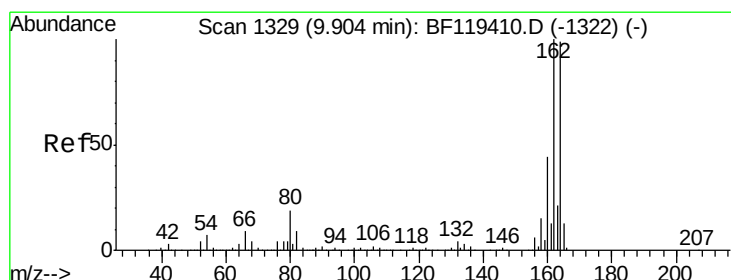
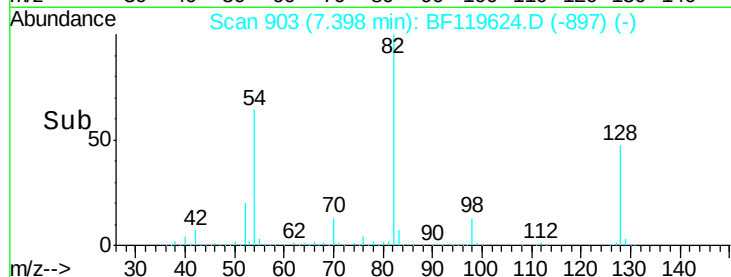
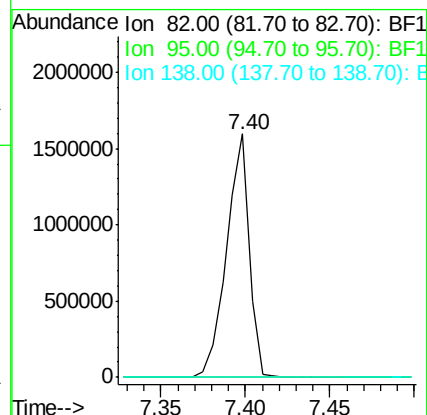
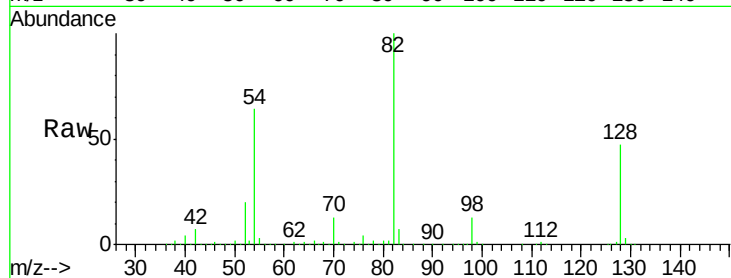
Tgt Ion: 82 Resp: 1476230

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: BF119624.D

Acq: 28 Mar 2020 18:37

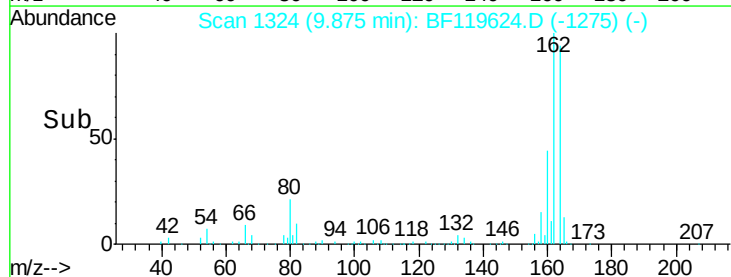
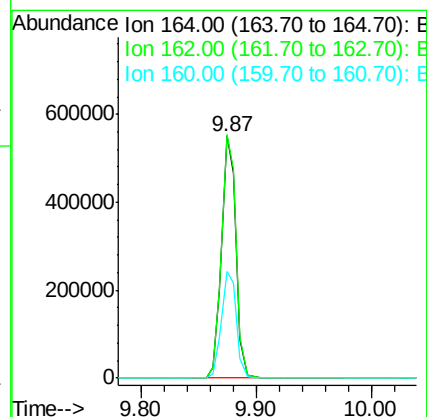
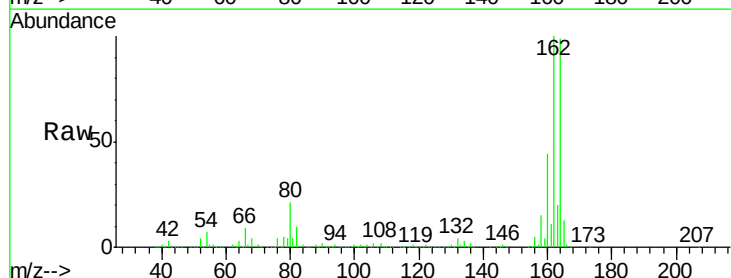
Tgt Ion: 164 Resp: 477490

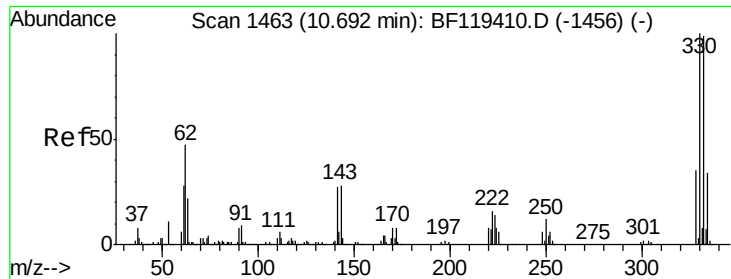
Ion Ratio Lower Upper

164 100

162 100.7 80.6 121.0

160 44.0 35.7 53.5

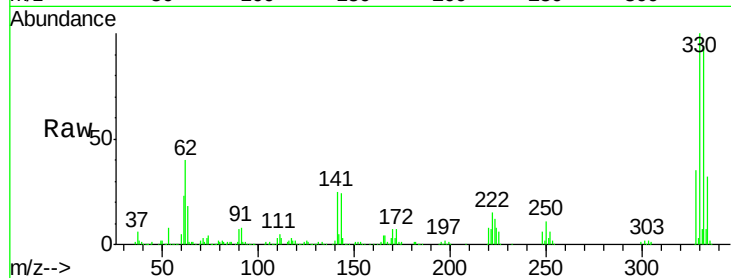




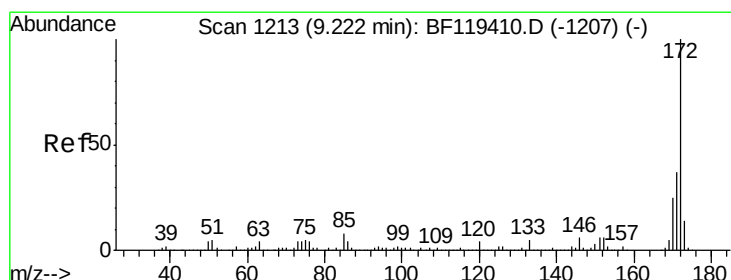
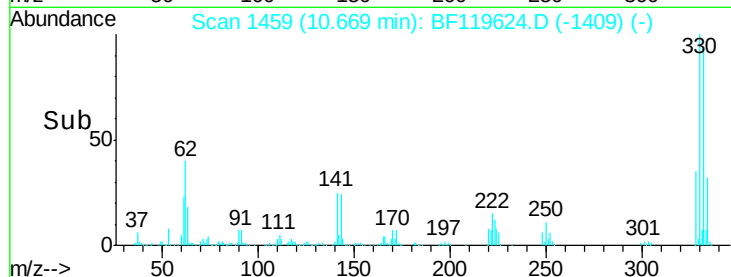
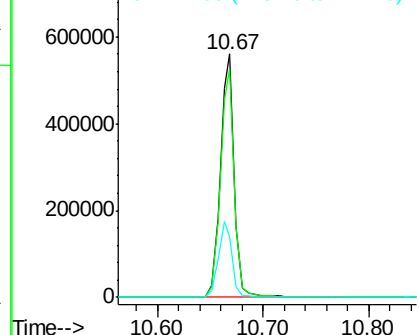
#42
 2,4,6-Tribromophenol
 Concen: 105.94 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119624.D
 Acq: 28 Mar 2020 18:37

Instrument :
 BNA_F
 ClientSampleId :
 RO-346

Tgt Ion:330 Resp: 521879
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.7 113.5
 141 31.2 25.4 38.0

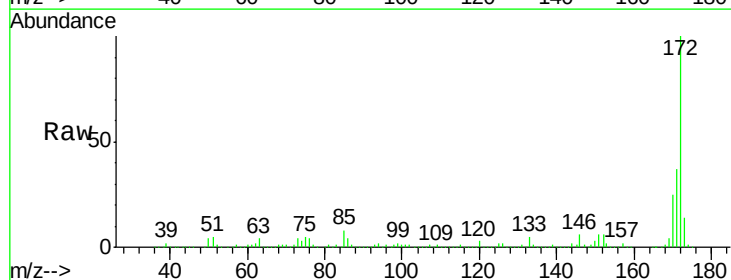


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

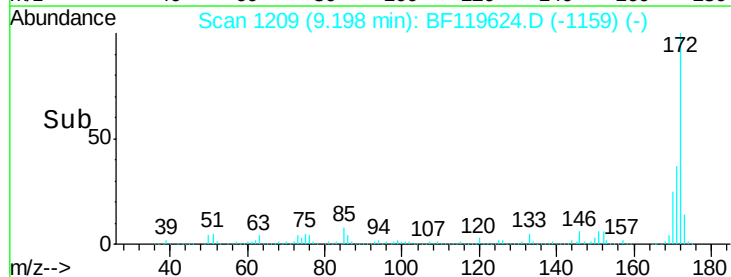
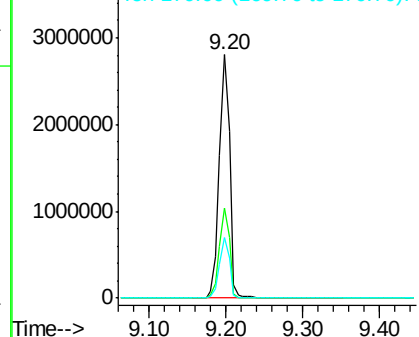


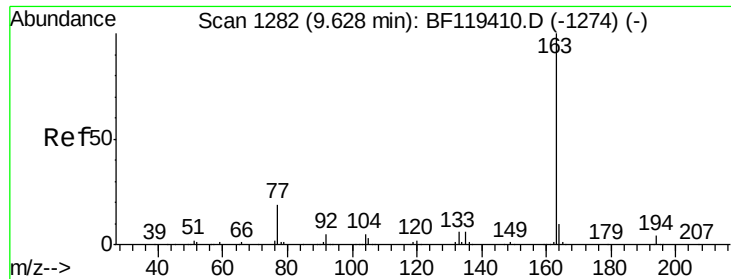
#45
 2-Fluorobiphenyl
 Concen: 79.57 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119624.D
 Acq: 28 Mar 2020 18:37

Tgt Ion:172 Resp: 2564613
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 25.1 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

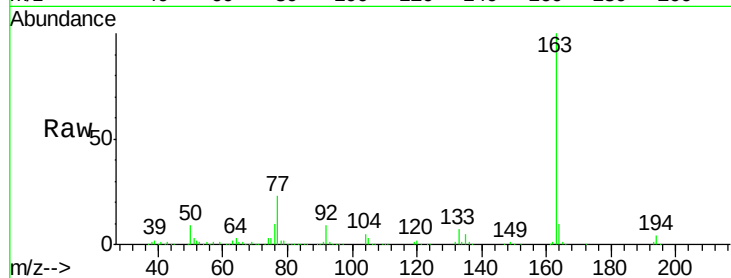




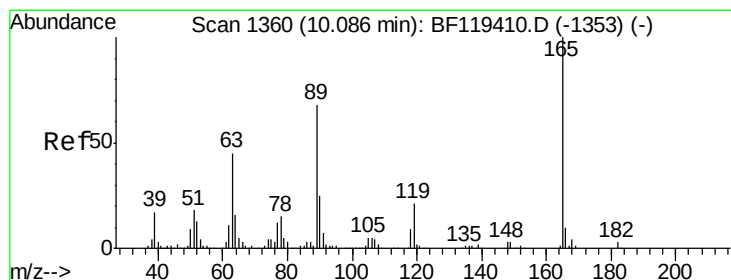
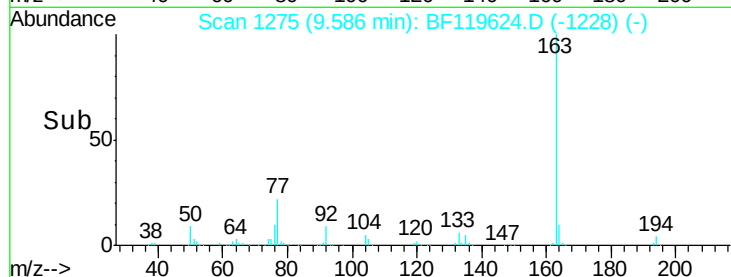
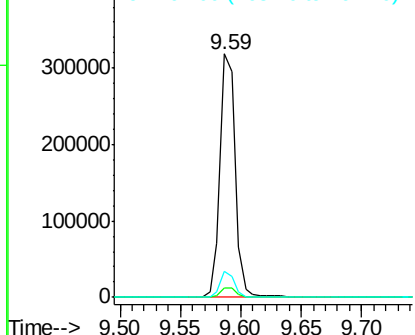
#50
Dimethylphthalate
Concen: 8.20 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119624.D
Acq: 28 Mar 2020 18:37

Instrument :
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ClientSampleId :
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Tgt Ion:163 Resp: 278069
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 10.5 8.2 12.2

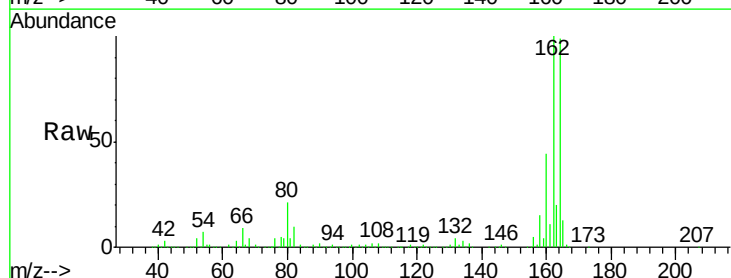


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

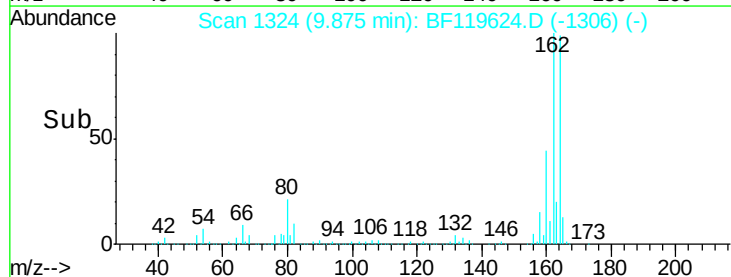
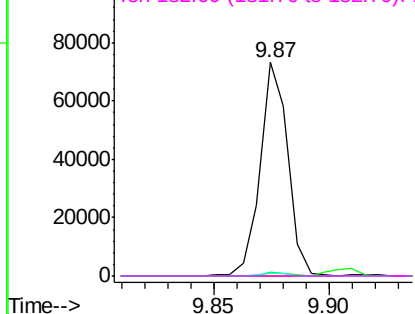


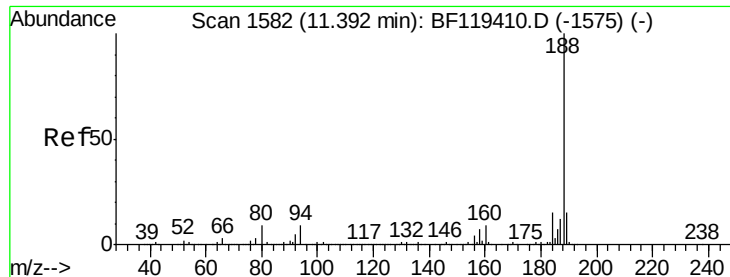
#57
2,4-Dinitrotoluene
Concen: 6.69 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119624.D
Acq: 28 Mar 2020 18:37

Tgt Ion:165 Resp: 61298
Ion Ratio Lower Upper
165 100
63 1.6 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: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampled :

RO-346

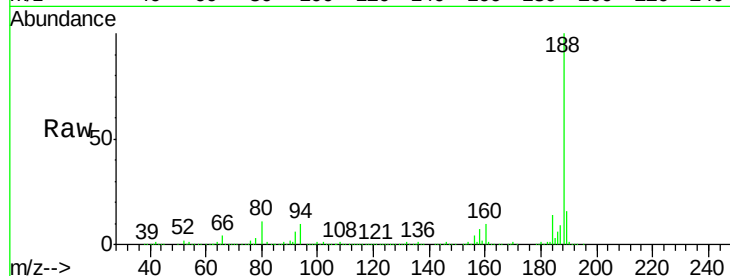
Tgt Ion:188 Resp: 705846

Ion Ratio Lower Upper

188 100

94 9.9 7.5 11.3

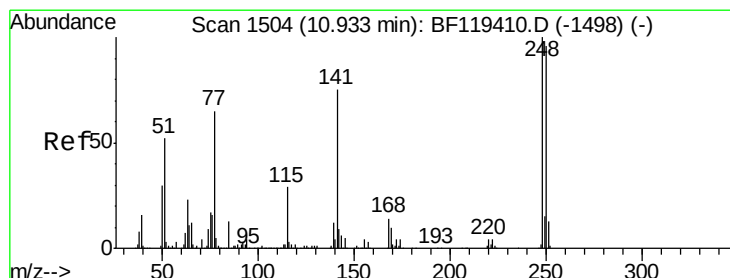
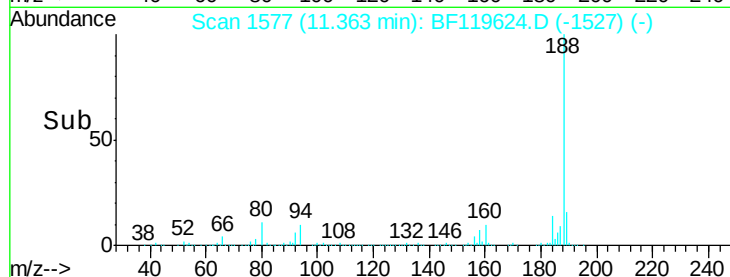
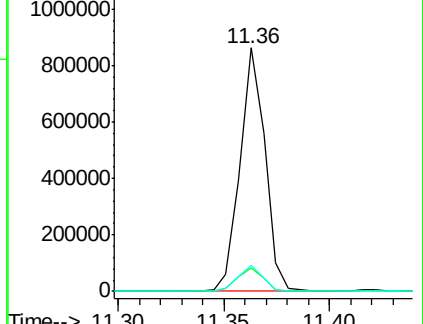
80 10.9 9.0 13.4



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: 3.86 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

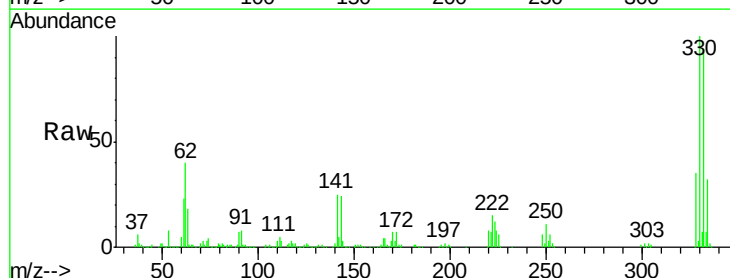
Tgt Ion:248 Resp: 31055

Ion Ratio Lower Upper

248 100

250 189.9 77.3 115.9#

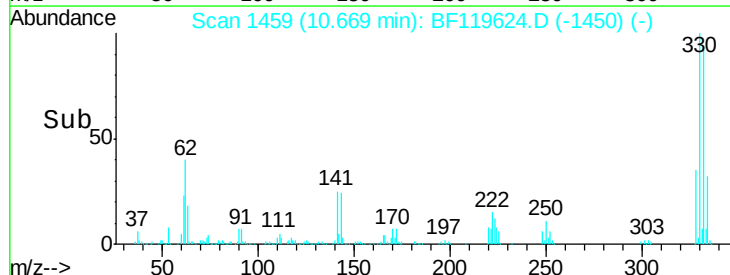
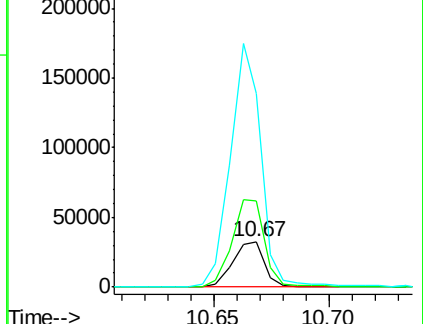
141 428.4 58.6 87.8#

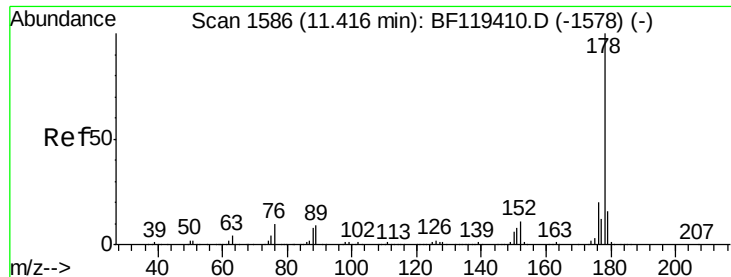


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.62 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampleId :

RO-346

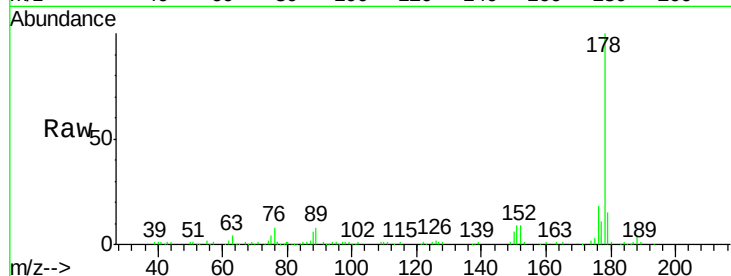
Tgt Ion:178 Resp: 95887

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

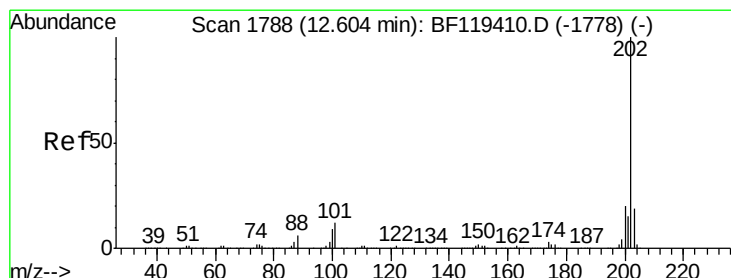
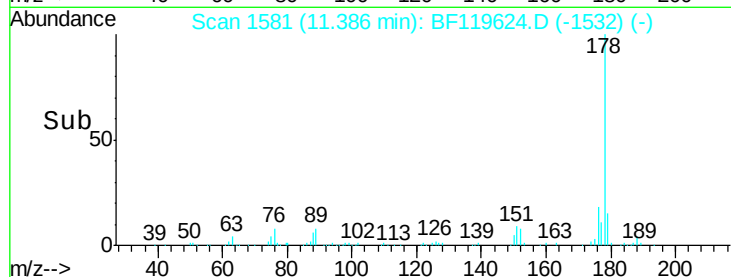
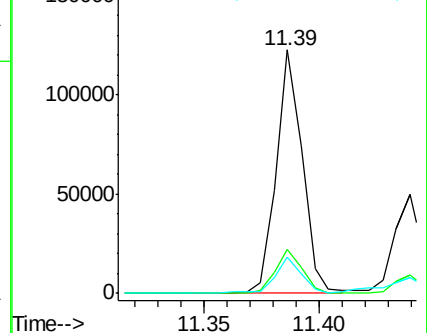
179 14.8 13.2 19.8



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: 8.80 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

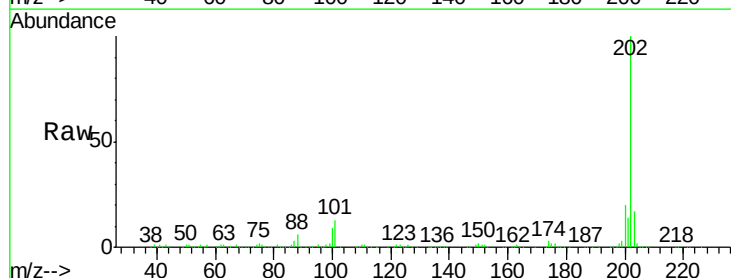
Tgt Ion:202 Resp: 348606

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.2

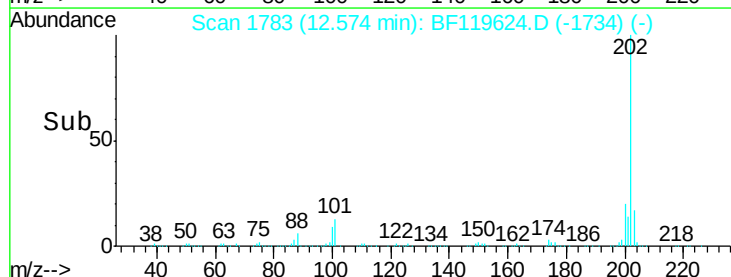
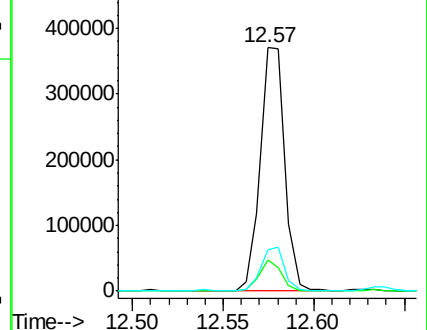
203 16.8 0.0 38.8

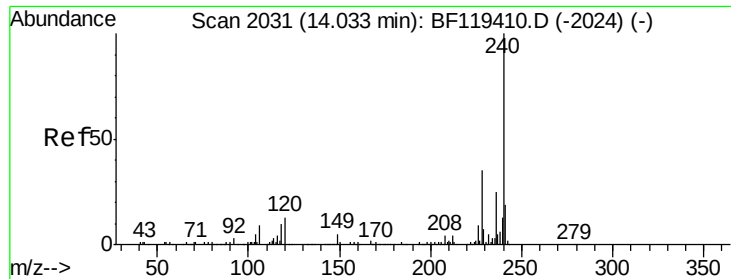


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampleId :

RO-346

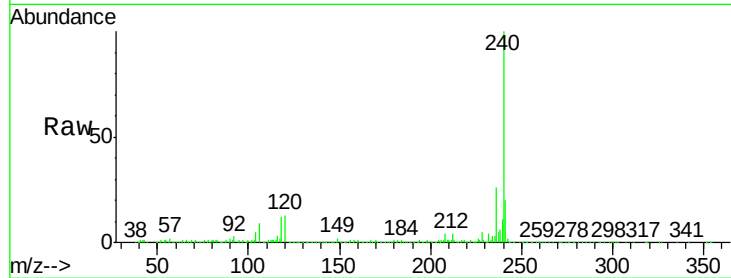
Tgt Ion:240 Resp: 566603

Ion Ratio Lower Upper

240 100

120 12.9 10.6 15.8

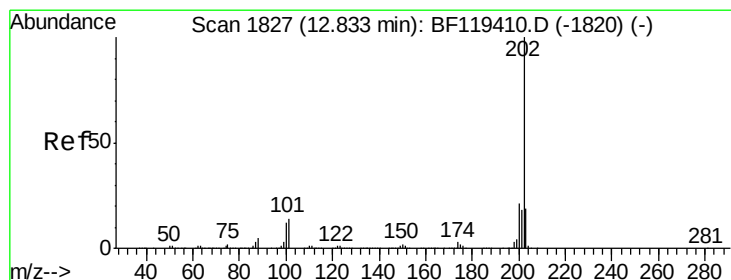
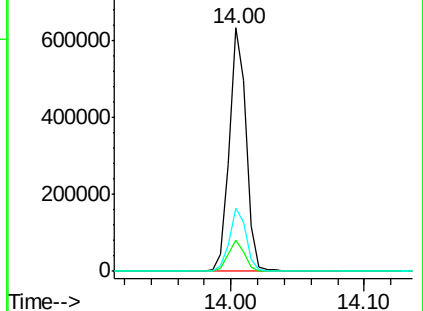
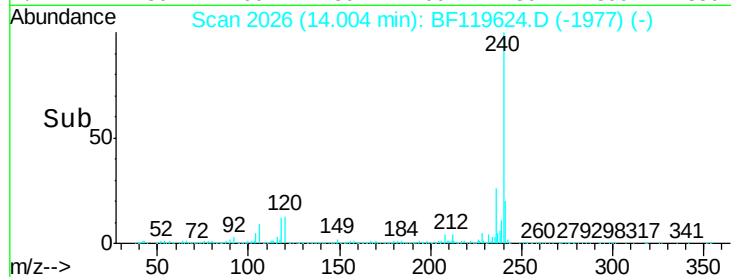
236 26.1 20.2 30.2



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



#78

Pyrene

Concen: 5.81 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

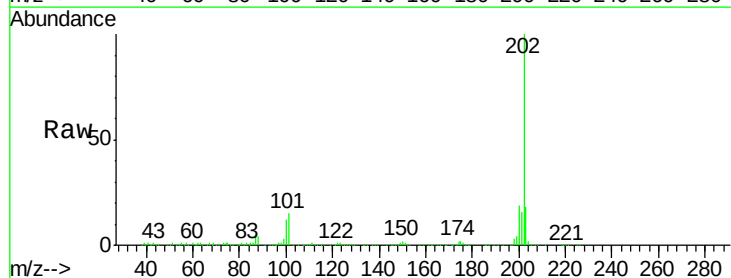
Tgt Ion:202 Resp: 270264

Ion Ratio Lower Upper

202 100

200 19.4 16.8 25.2

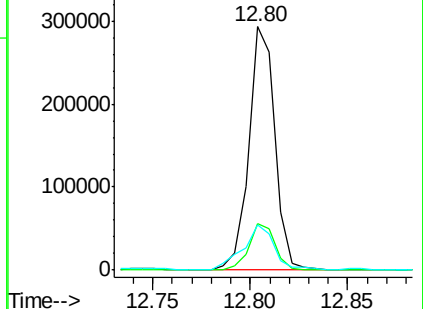
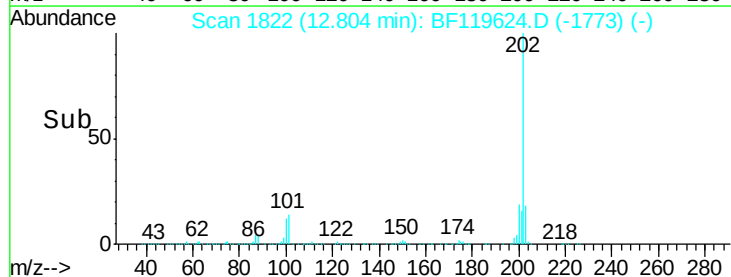
203 18.4 15.1 22.7

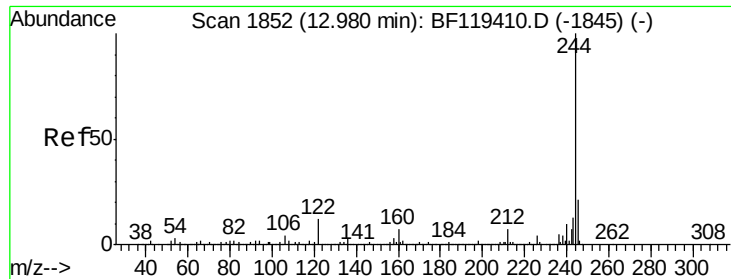


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.36 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampled :

RO-346

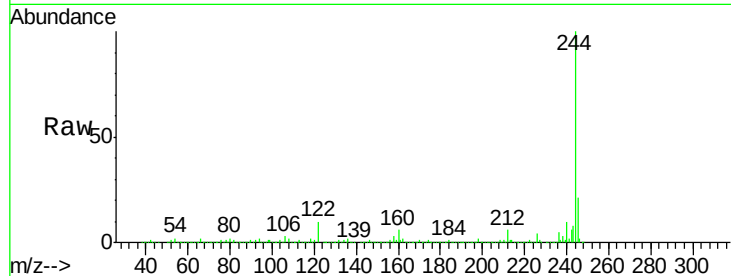
Tgt Ion:244 Resp: 2063778

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

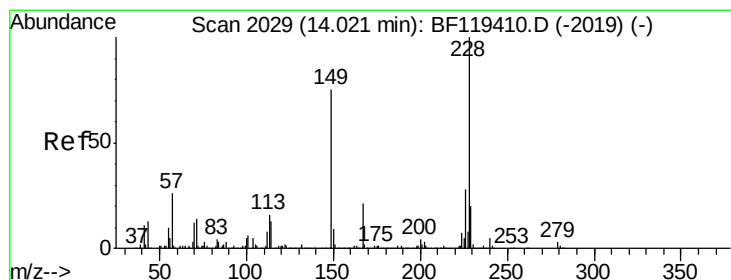
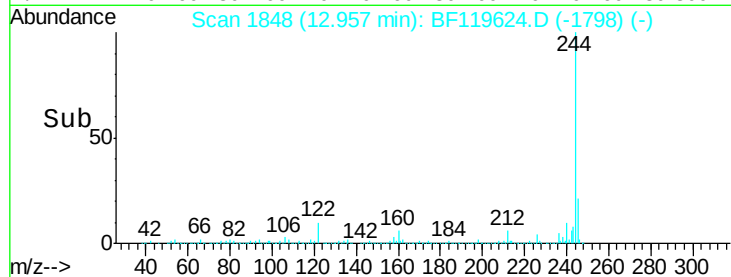
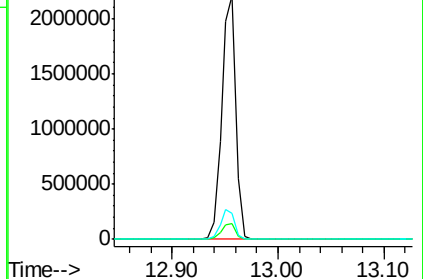
122 10.4 10.3 15.5



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: 2.72 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

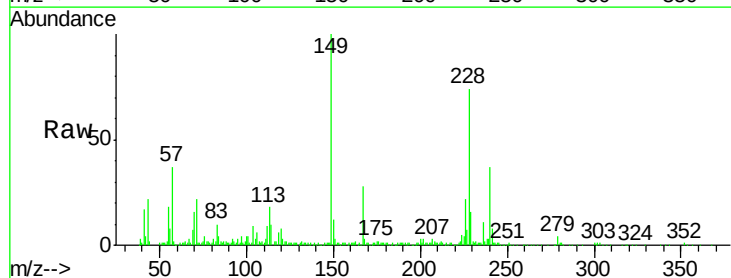
Tgt Ion:228 Resp: 100326

Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.8

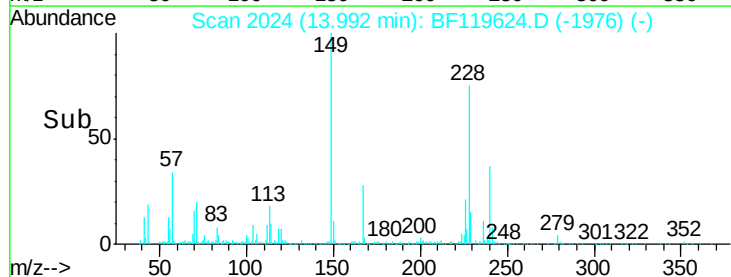
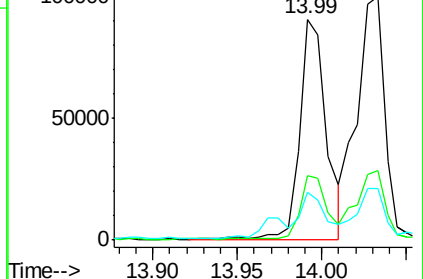
229 21.6 16.2 24.4

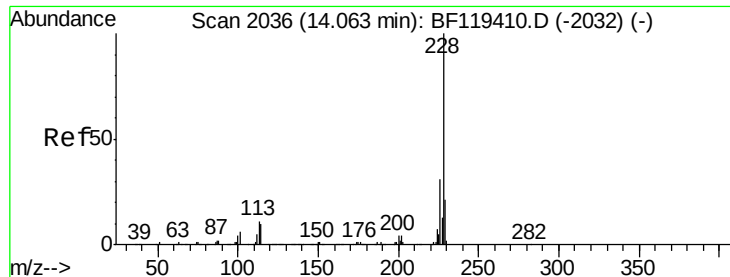


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.02 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampleId :

RO-346

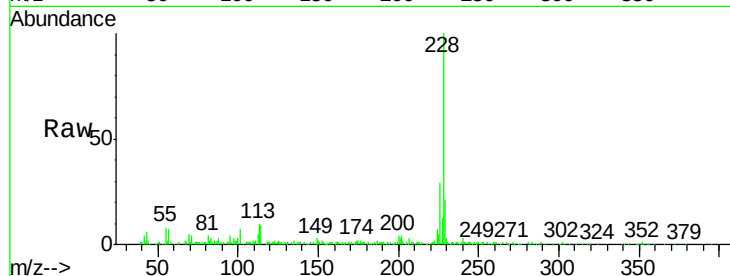
Tgt Ion:228 Resp: 114931

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.0

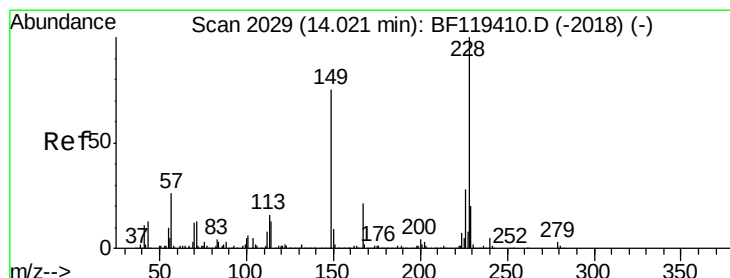
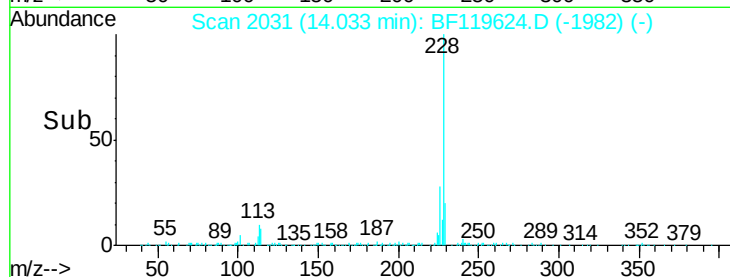
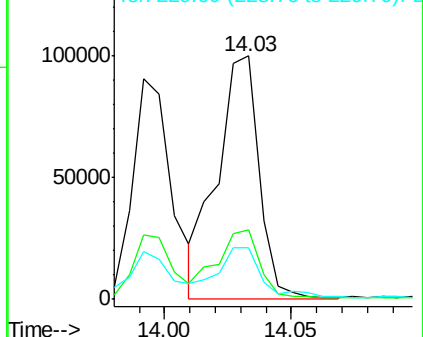
229 21.2 16.6 24.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.41 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

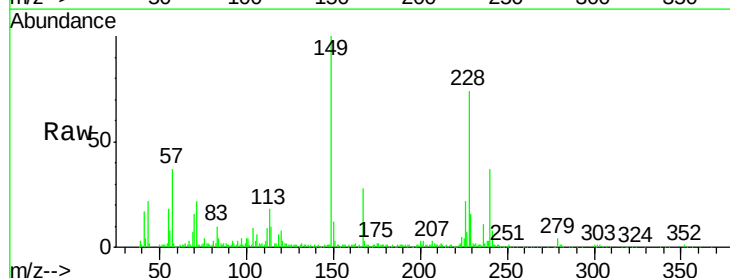
Tgt Ion:149 Resp: 98936

Ion Ratio Lower Upper

149 100

167 28.5 21.3 31.9

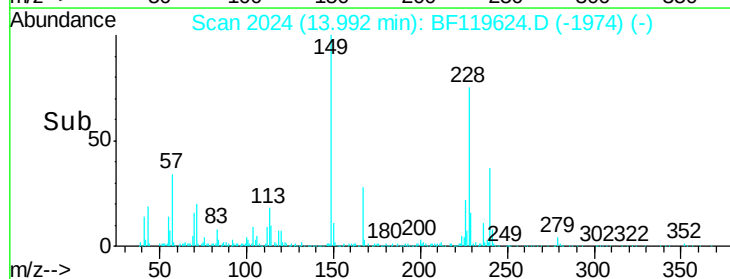
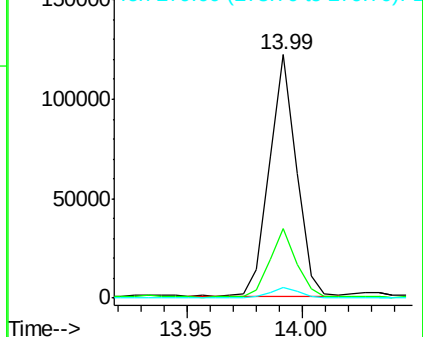
279 4.3 2.7 4.1#

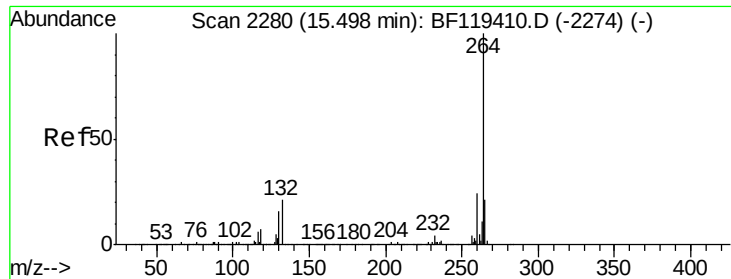


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

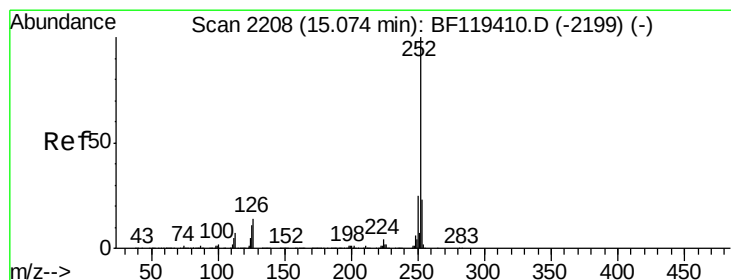
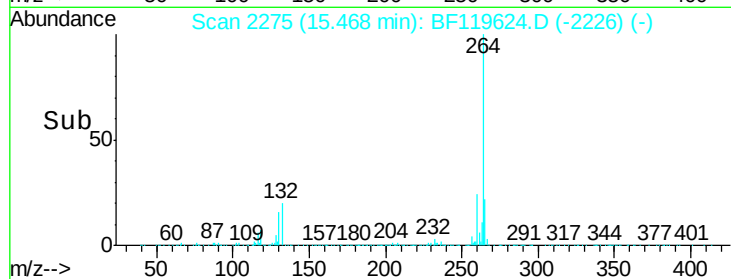
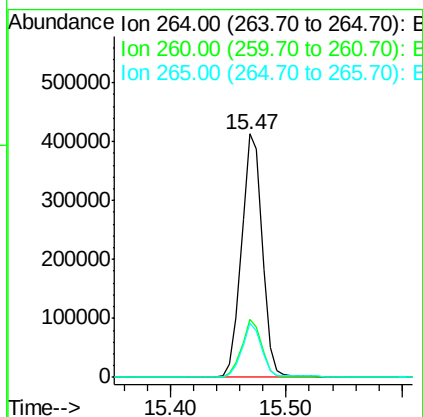
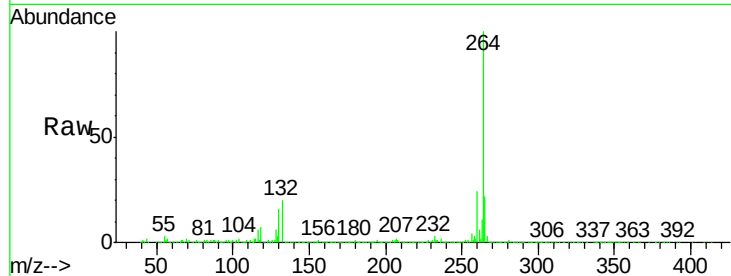




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF119624.D
Acq: 28 Mar 2020 18:37

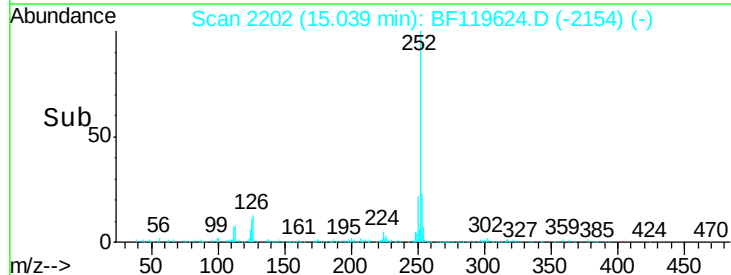
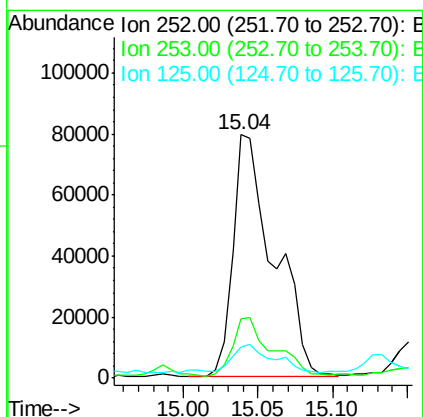
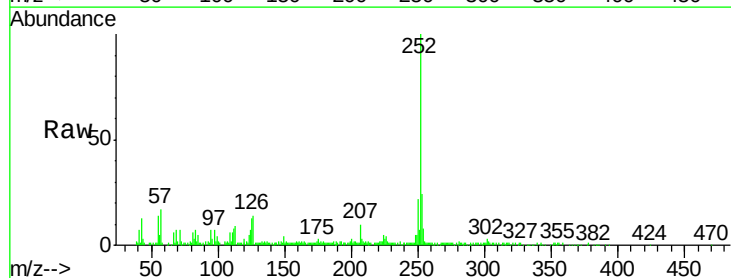
Instrument :
BNA_F
ClientSampleId :
RO-346

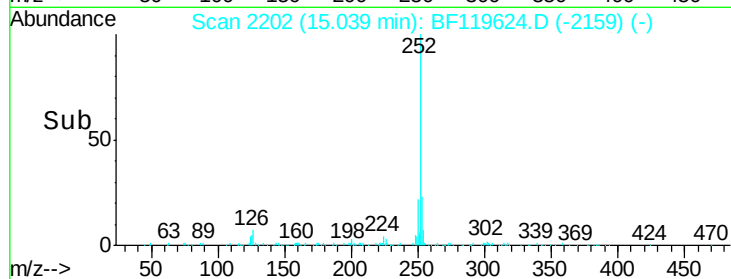
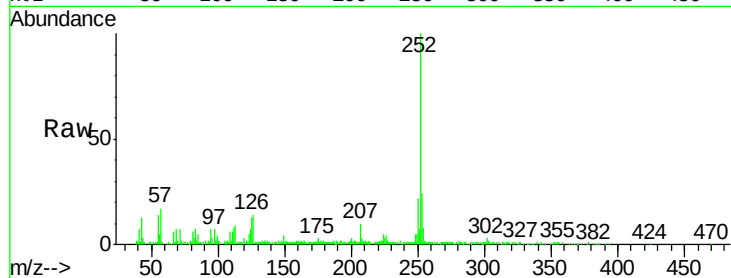
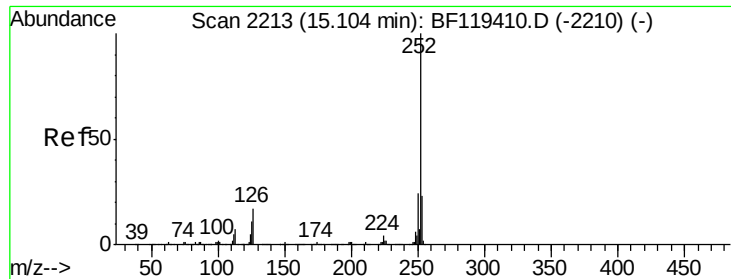
Tgt Ion:264 Resp: 515460
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.2 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 4.38 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF119624.D
Acq: 28 Mar 2020 18:37

Tgt Ion:252 Resp: 150931
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 12.6 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 4.60 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.05 min

Lab File: BF119624.D

Acq: 28 Mar 2020 18:37

Instrument :

BNA_F

ClientSampleId :

RO-346

Tgt Ion: 252 Resp: 150931

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 12.6 8.4 12.6

