

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120412.D
 Acq On : 28 May 2020 17:07
 Operator : MA/SJ
 Sample : L2744-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM65-COMP-2020-0-6

Quant Time: May 29 02:09:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	249567	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	892178	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	423810	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	723811	20.00	ng	0.00
76) Chrysene-d12	13.99	240	534904	20.00	ng	0.00
86) Perylene-d12	15.44	264	552132	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1319788	100.78	ng	0.00
7) Phenol-d6	6.46	99	1618226	100.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	1031947	75.66	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	405289	103.21	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1862434	74.56	ng	0.00
79) Terphenyl-d14	12.94	244	1779072	74.01	ng	0.00

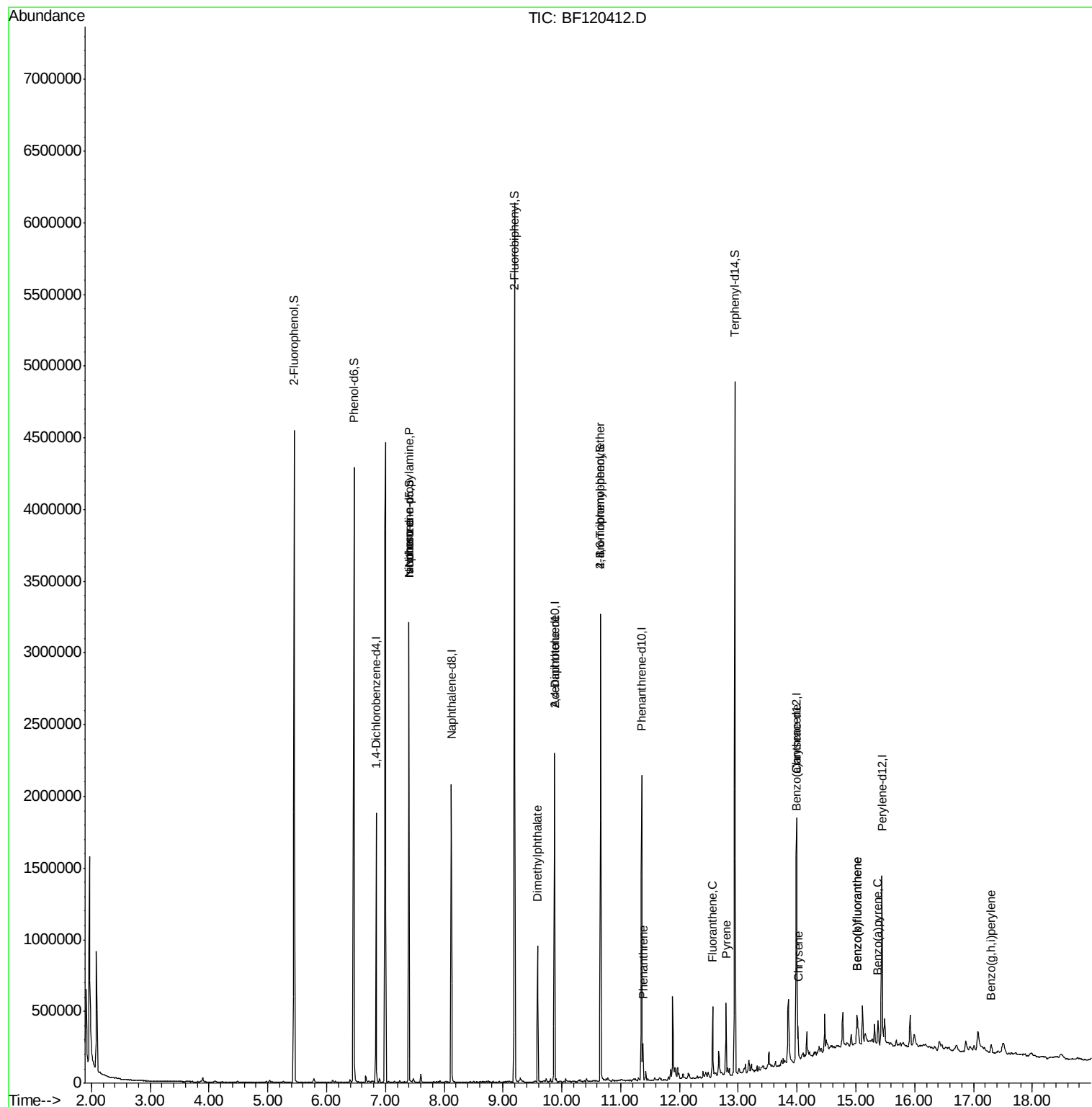
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	140576	13.701	ng	# 78
25) Isophorone	7.40	82	1028255	37.510	ng	# 64
50) Dimethylphthalate	9.59	163	334299	12.617	ng	99
57) 2,4-Dinitrotoluene	9.87	165	55200	7.325	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	24291	3.325	ng	# 1
71) Phenanthrene	11.38	178	88639	2.779	ng	96
75) Fluoranthene	12.56	202	183057	5.334	ng	100
78) Pyrene	12.79	202	184234	4.953	ng	99
81) Benzo(a)anthracene	13.98	228	98535	3.437	ng	97
83) Chrysene	14.02	228	82484	2.744	ng	97
88) Benzo(b)fluoranthene	15.02	252	148160	4.831	ng	# 96
89) Benzo(k)fluoranthene	15.02	252	148160	5.175	ng	# 97
90) Benzo(a)pyrene	15.37	252	83202	3.102	ng	# 97
92) Benzo(a,h,i)perylene	17.30	276	50242	2.069	ng	98

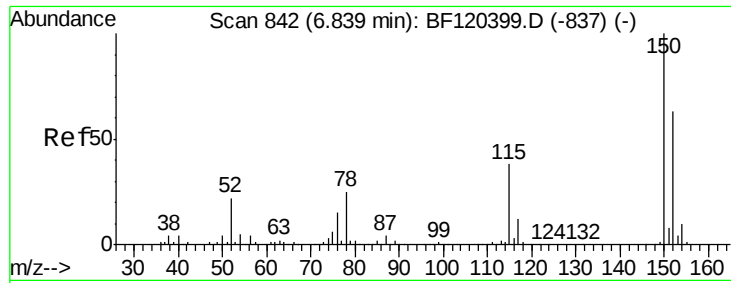
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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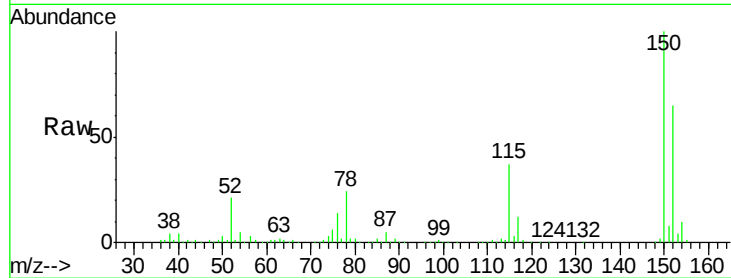


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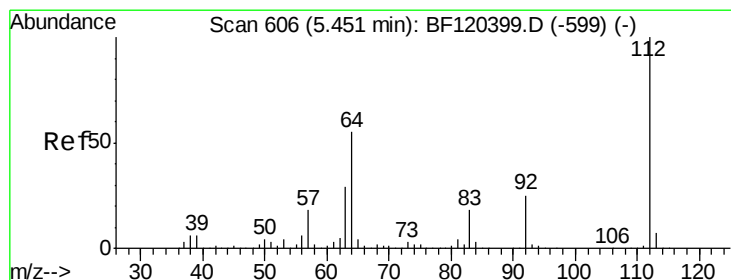
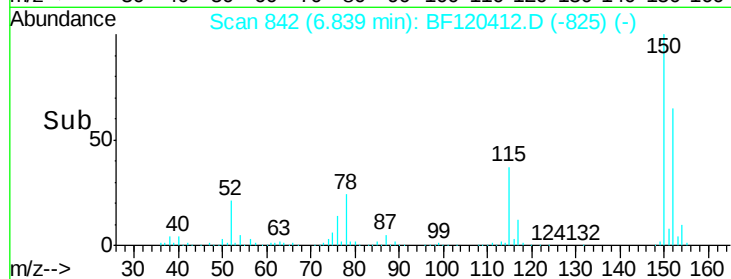
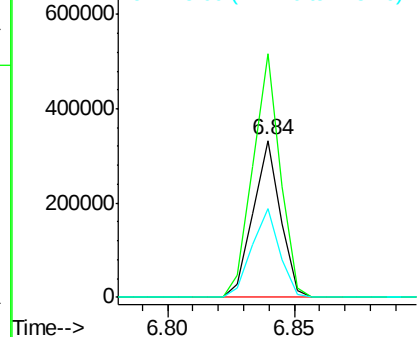
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Instrument :
BNA_F
ClientSampleId :
NM65-COMP-2020-0-6

Tot Ion:152 Resp: 249567
Ion Ratio Lower Upper
152 100
150 154.9 126.5 189.7
115 56.6 47.6 71.4



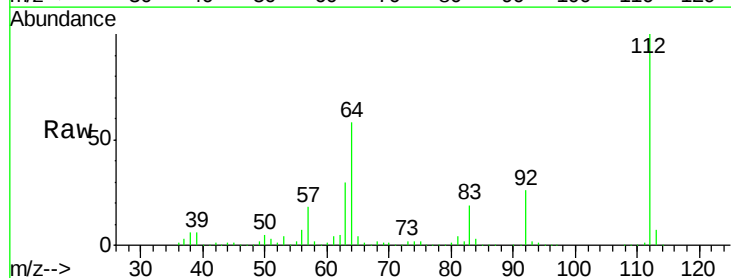
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



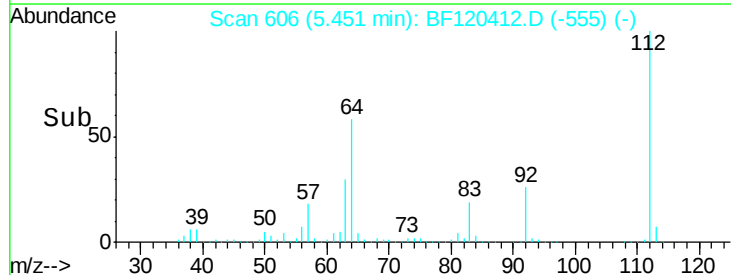
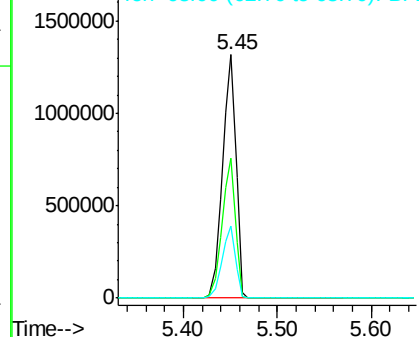
#5

2-Fluorophenol
Concen: 100.782 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Tgt Ion:112 Resp: 1319788
Ion Ratio Lower Upper
112 100
64 57.7 44.3 66.5
63 29.8 22.9 34.3



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: 100.255 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Instrument :

BNA_F

ClientSampleId :

NM65-COMP-2020-0-6

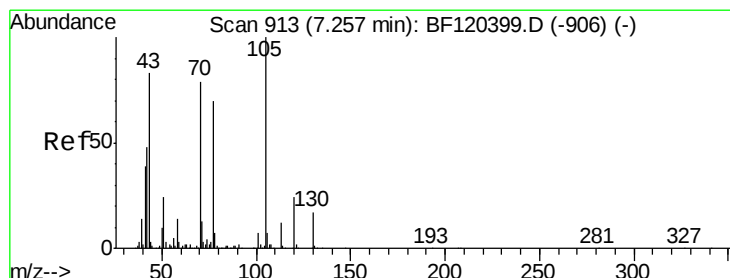
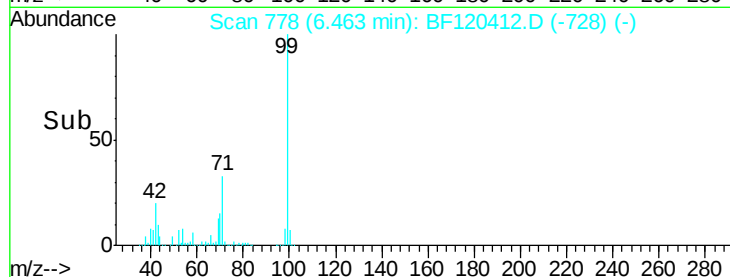
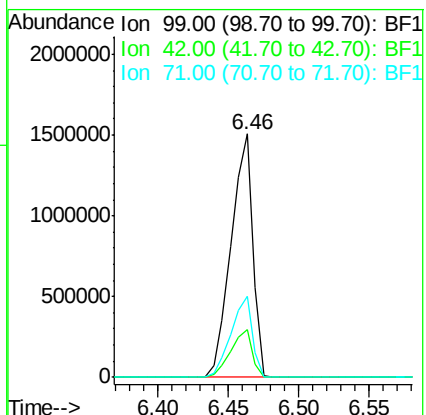
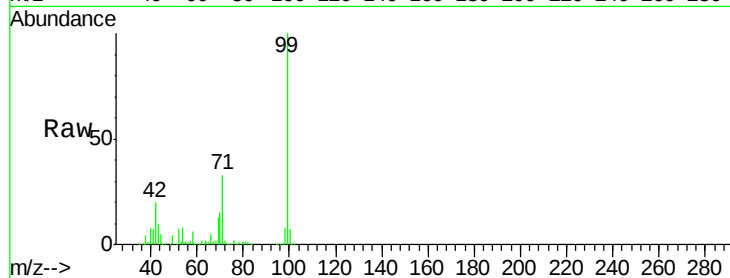
Tot Ion: 99 Resp: 1618226

Ion Ratio Lower Upper

99 100

42 19.6 15.2 22.8

71 33.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.701 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Tgt Ion: 70 Resp: 140576

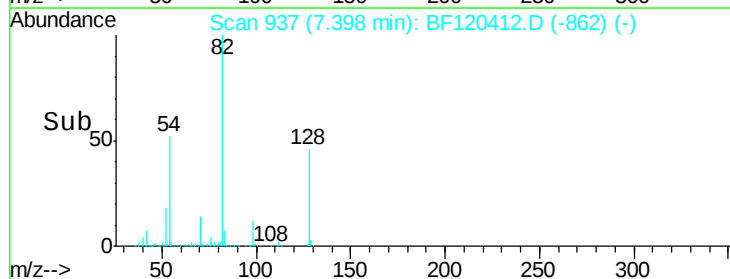
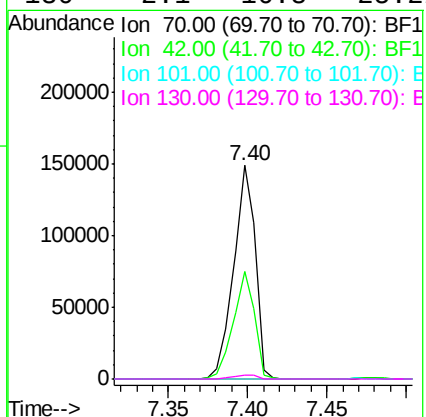
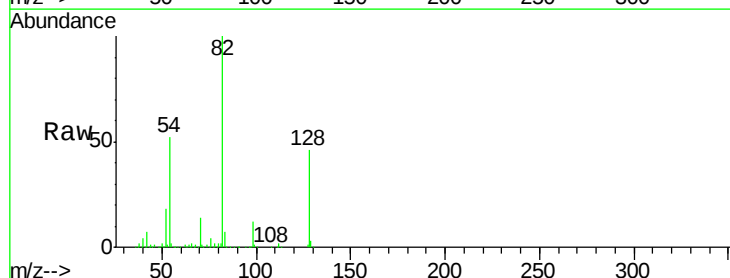
Ion Ratio Lower Upper

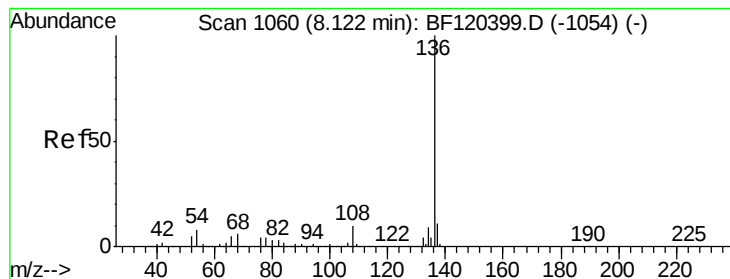
70 100

42 50.1 48.9 73.3

101 0.0 7.4 11.2#

130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Instrument :

BNA_F

ClientSampleId :

NM65-COMP-2020-0-6

Tot Ion:136 Resp: 892178

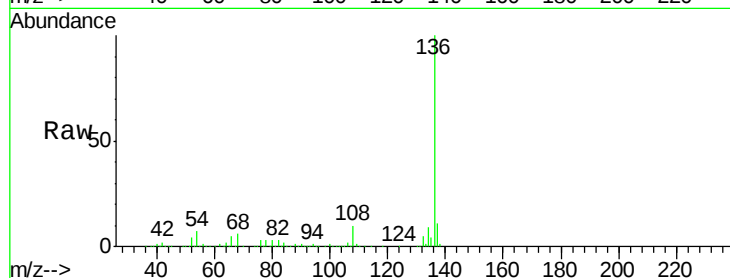
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.4 6.7 10.1

68 5.8 5.0 7.4

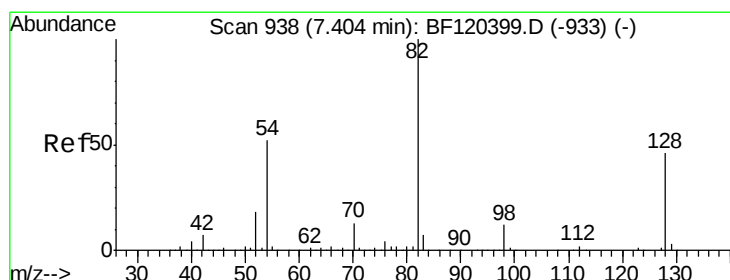
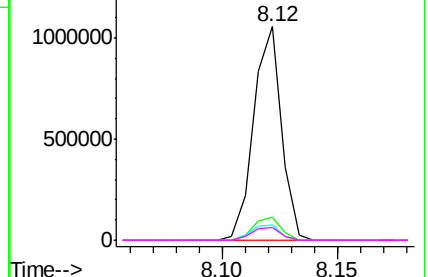
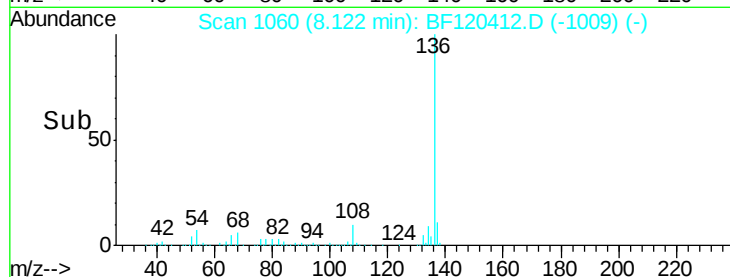


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.661 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

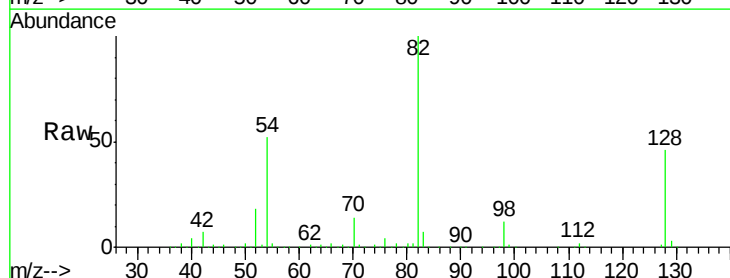
Tgt Ion: 82 Resp: 1031947

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

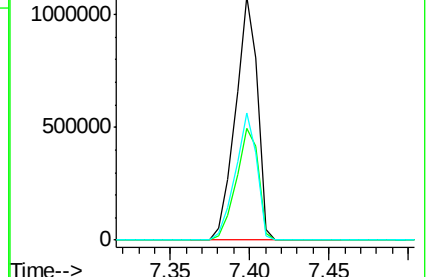
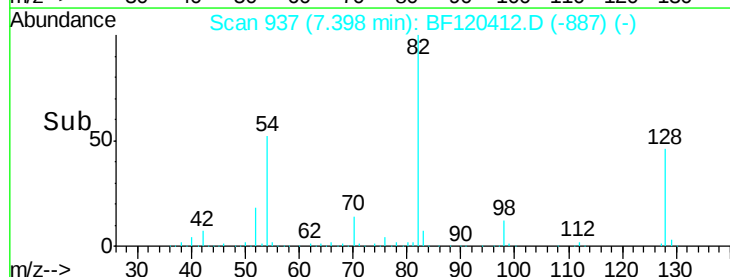
54 52.1 41.6 62.4

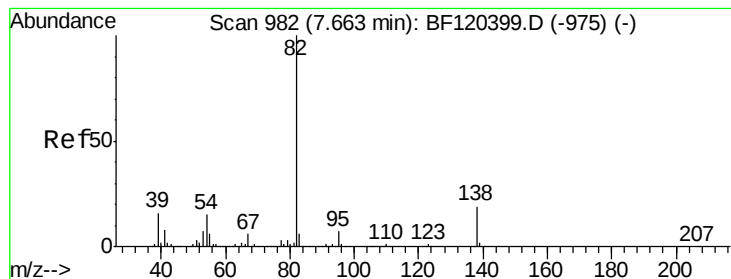


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.510 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Instrument :

BNA_F

ClientSampleId :

NM65-COMP-2020-0-6

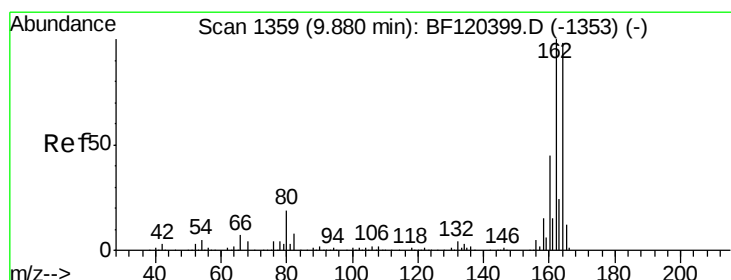
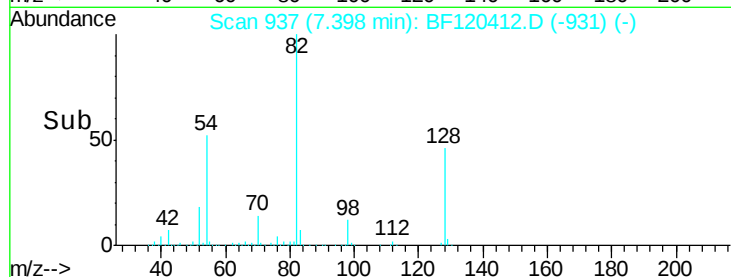
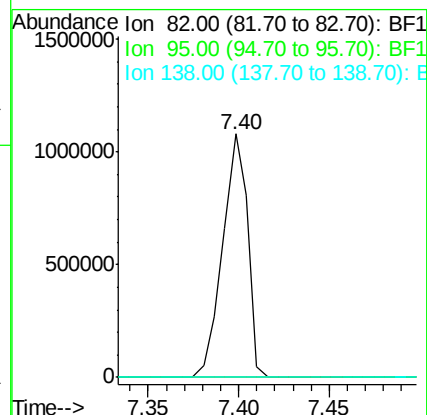
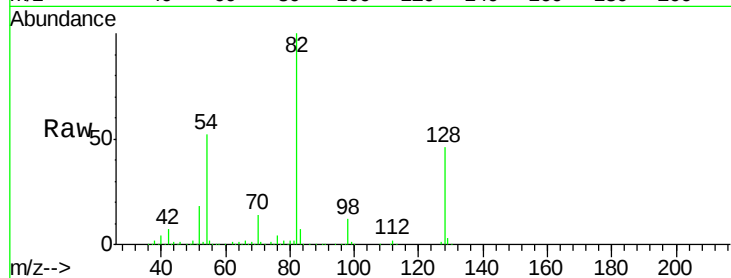
Tot Ion: 82 Resp: 1028255

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

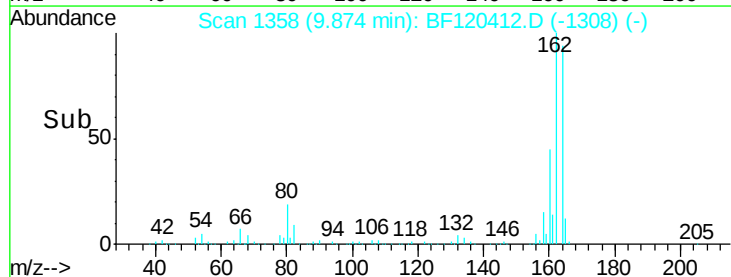
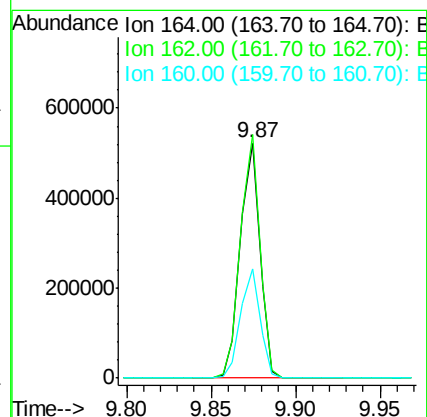
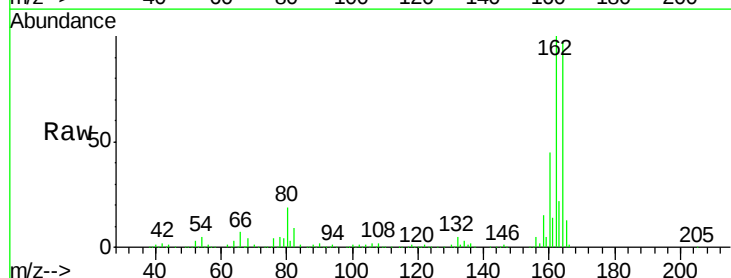
Tgt Ion: 164 Resp: 423810

Ion Ratio Lower Upper

164 100

162 103.5 81.3 121.9

160 46.2 36.9 55.3

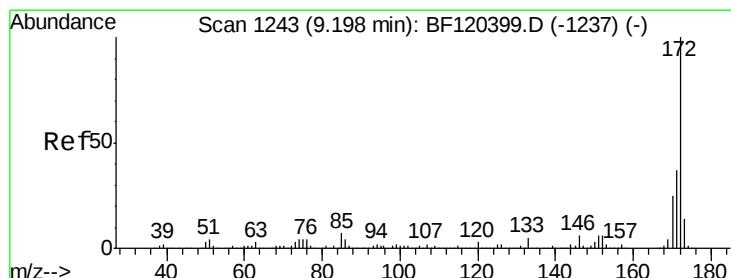
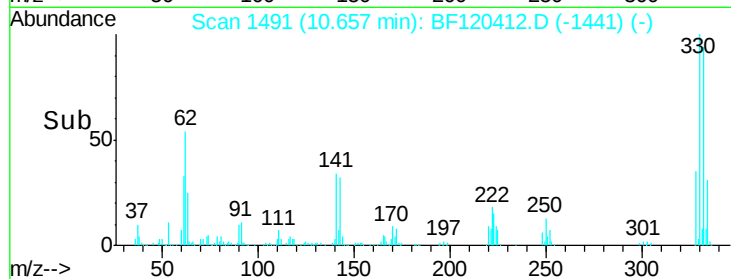
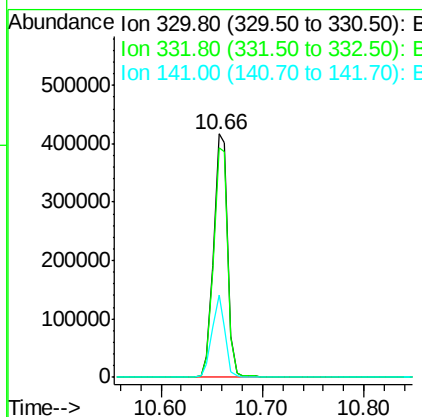
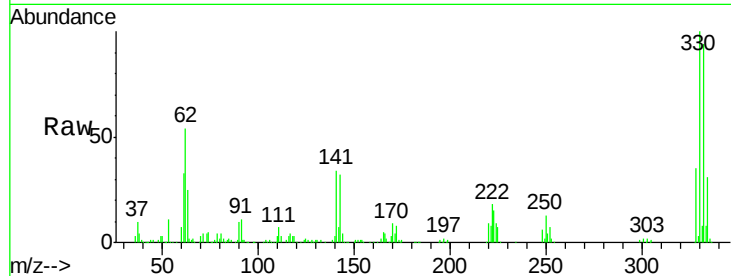




#42
 2,4,6-Tribromophenol
 Concen: 103.211 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120412.D
 Acq: 28 May 2020 17:07

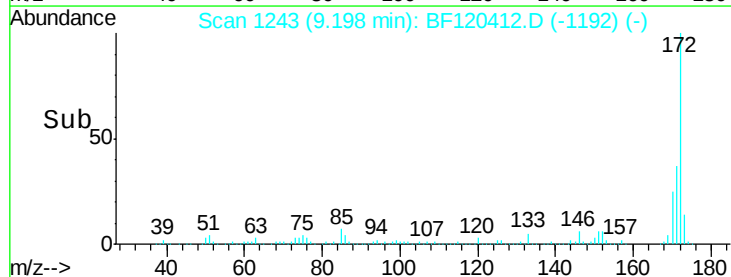
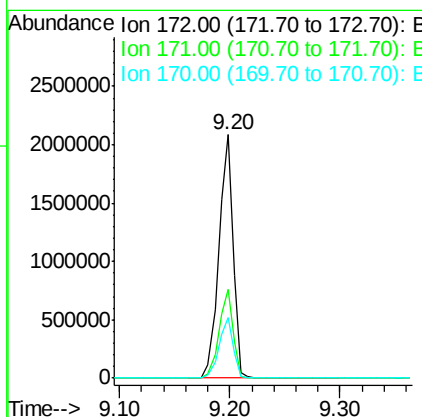
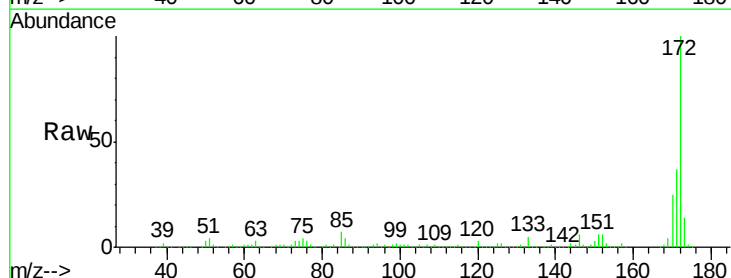
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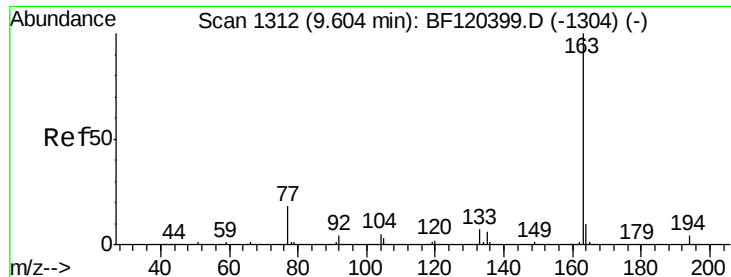
Tot Ion:330 Resp: 405289
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 30.8 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 74.561 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120412.D
 Acq: 28 May 2020 17:07

Tgt Ion:172 Resp: 1862434
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.7 19.9 29.9

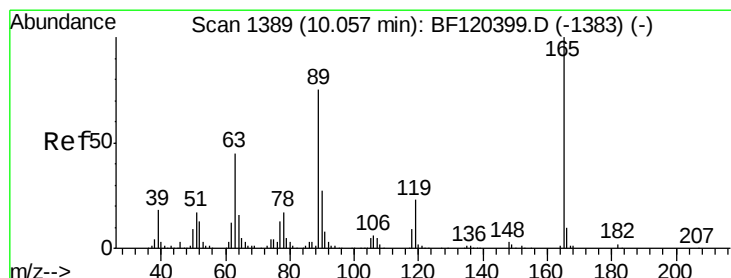
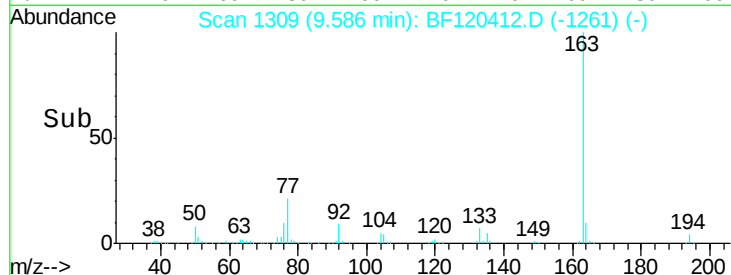
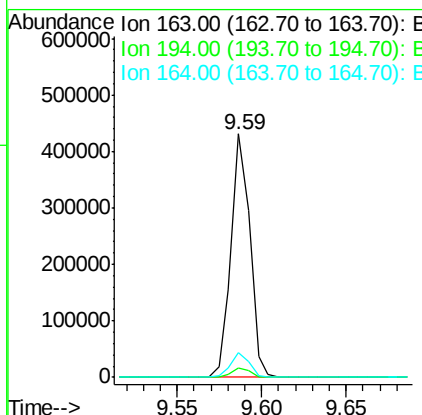
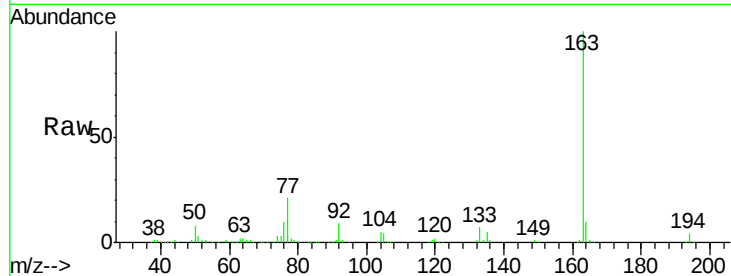




#50
Dimethylphthalate
Concen: 12.617 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

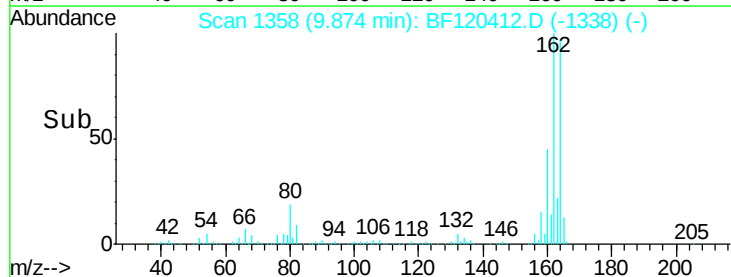
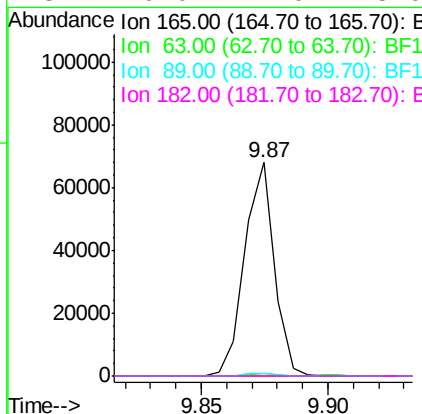
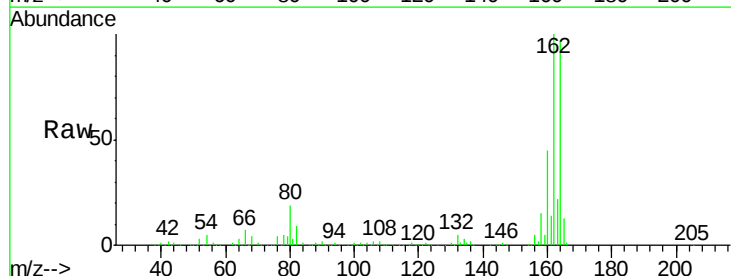
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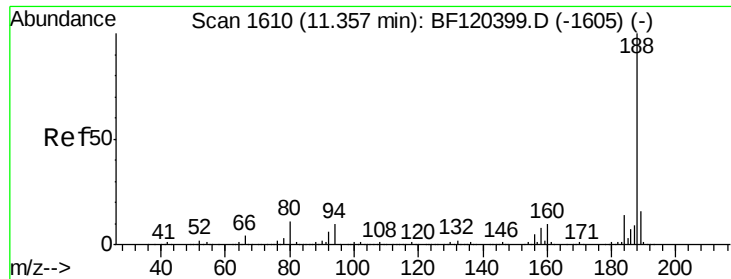
Tot Ion:163 Resp: 334299
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.325 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Tgt Ion:165 Resp: 55200
Ion Ratio Lower Upper
165 100
63 1.2 35.9 53.9#
89 1.2 60.0 90.0#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Instrument :

BNA_F

ClientSampleId :

NM65-COMP-2020-0-6

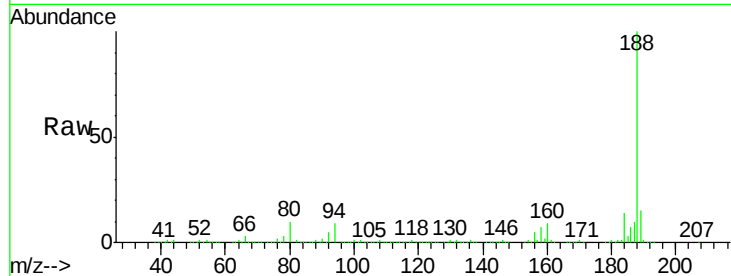
Tot Ion:188 Resp: 723811

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

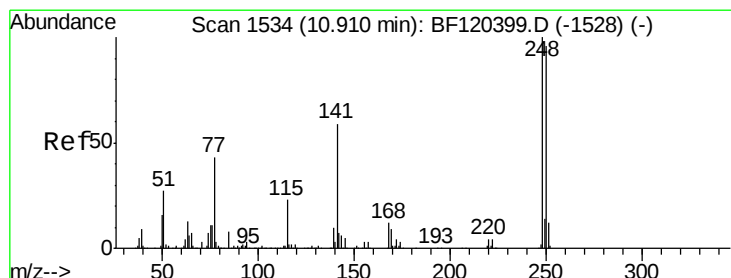
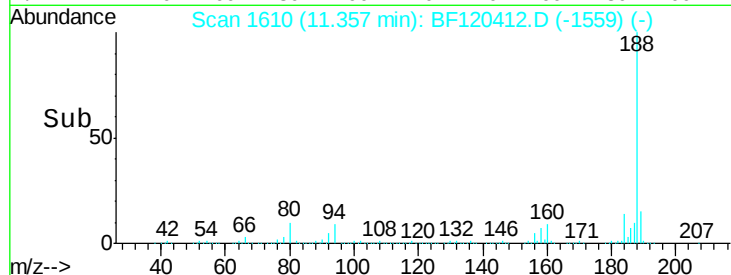
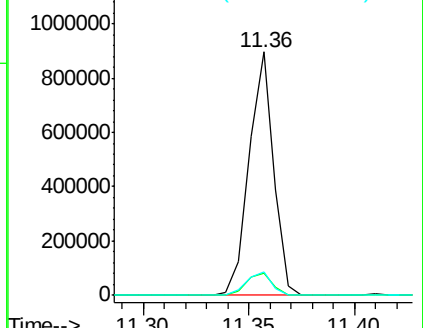
80 9.8 8.6 13.0



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: 3.325 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

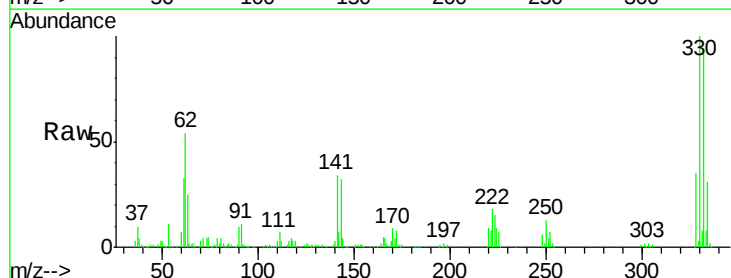
Tgt Ion:248 Resp: 24291

Ion Ratio Lower Upper

248 100

250 207.4 76.5 114.7#

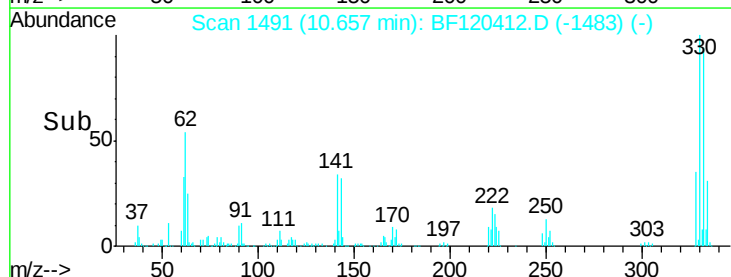
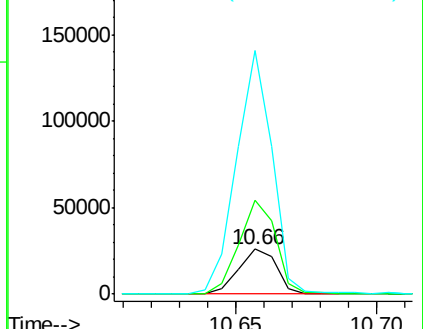
141 539.5 47.2 70.8#

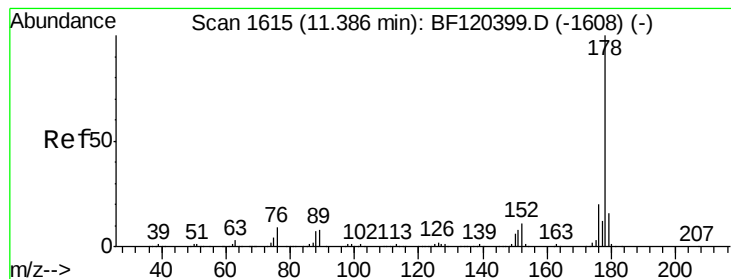


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.779 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Instrument :

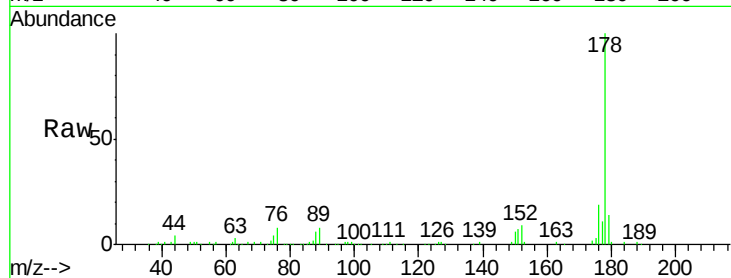
BNA_F

ClientSampleId :

NM65-COMP-2020-0-6

Tot Ion:178 Resp: 88639

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.4	24.6
179	14.5	13.0	19.4

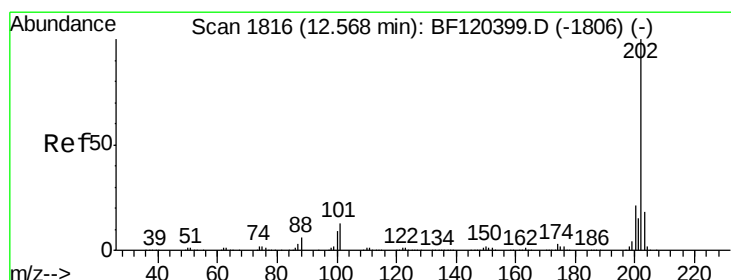
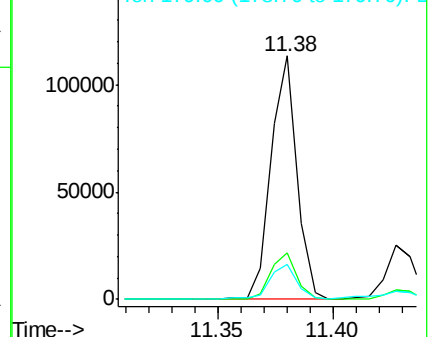
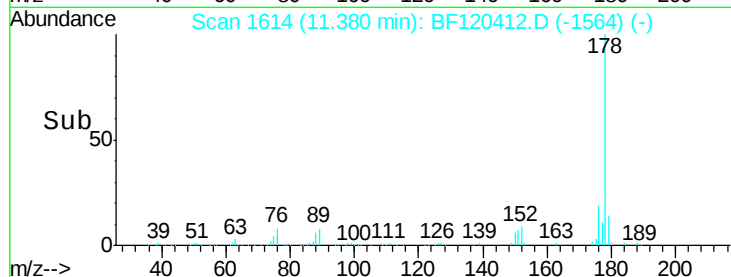


Abundance

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: 5.334 ng

RT: 12.56 min Scan# 1815

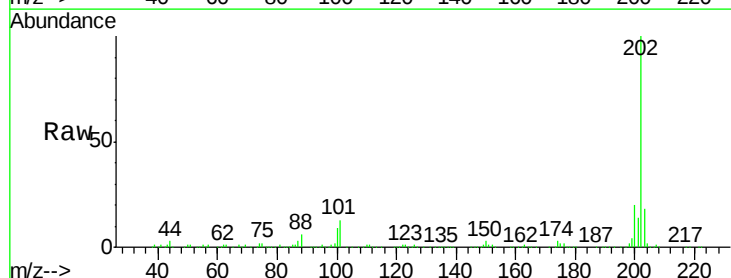
Delta R.T. -0.01 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Tgt Ion:202 Resp: 183057

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.6
203	18.3	0.0	38.4

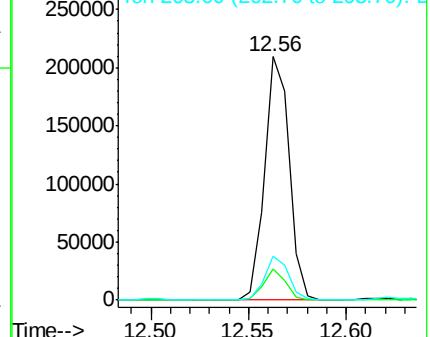
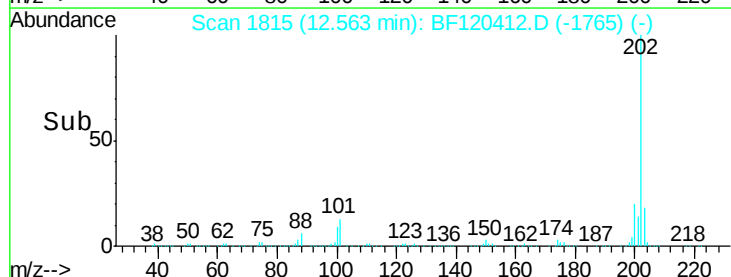


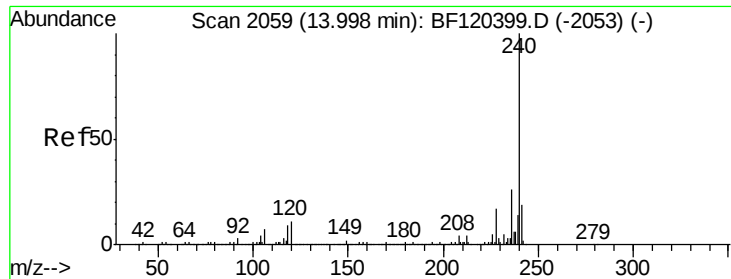
Abundance

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

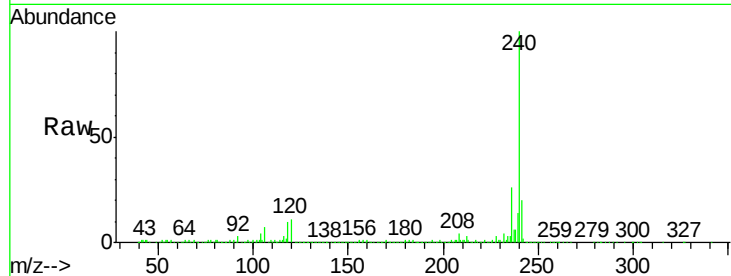




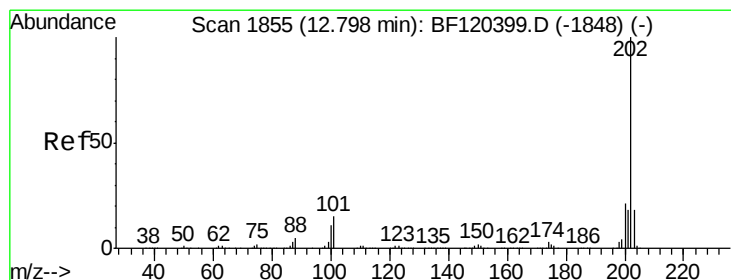
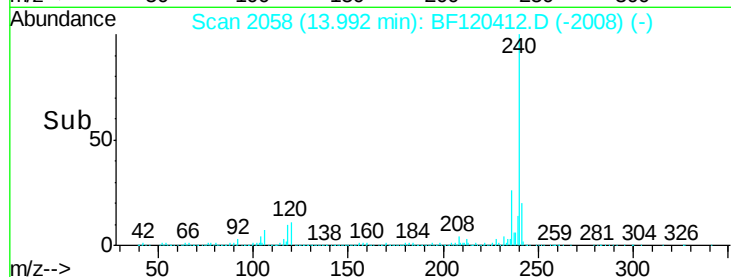
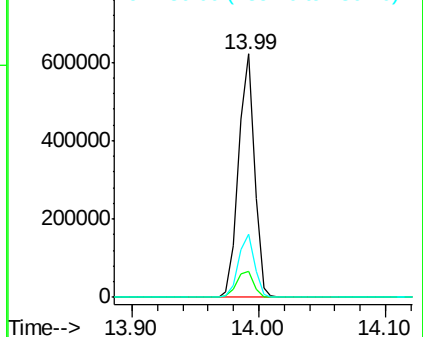
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Instrument :
BNA_F
ClientSampleId :
NM65-COMP-2020-0-6

Tot Ion:240 Resp: 534904
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 26.0 21.0 31.4

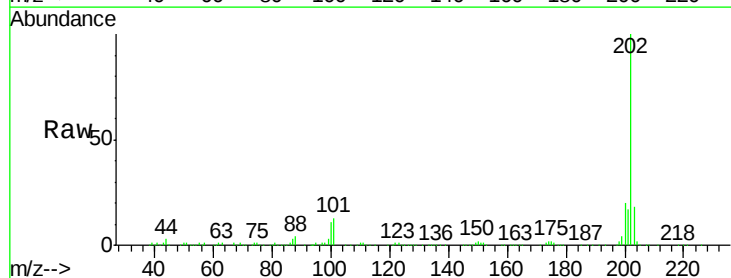


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

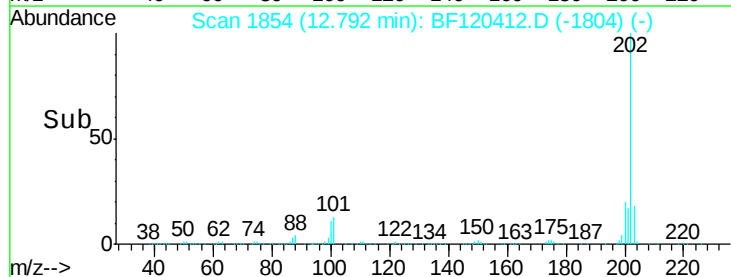
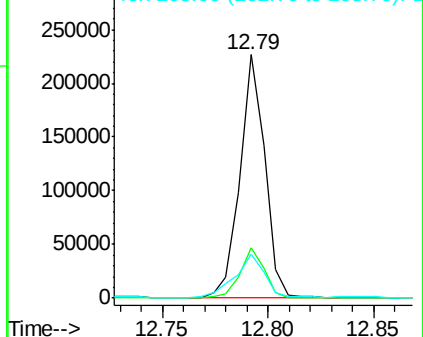


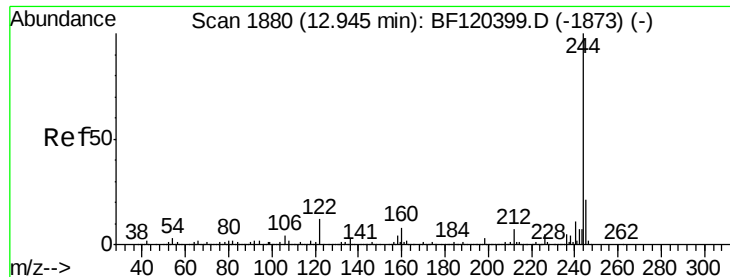
#78
Pyrene
Concen: 4.953 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Tgt Ion:202 Resp: 184234
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 18.0 14.7 22.1



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: 74.011 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

Instrument :

BNA_F

ClientSampleId :

NM65-COMP-2020-0-6

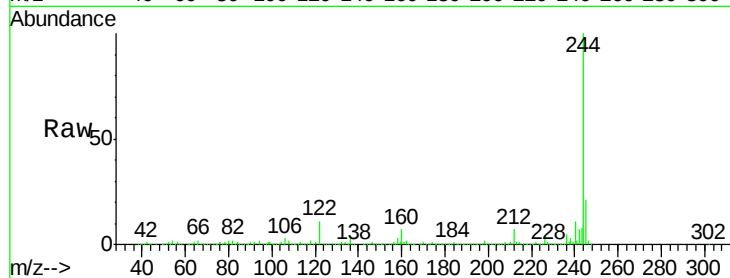
Tot Ion:244 Resp: 1779072

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

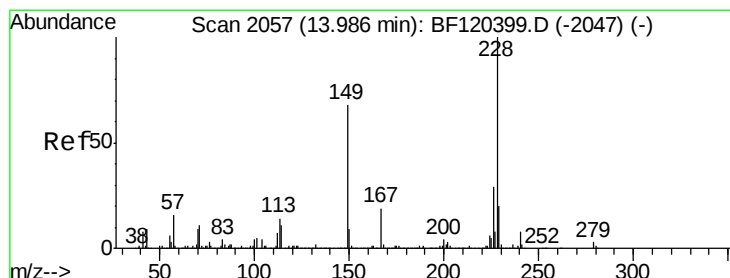
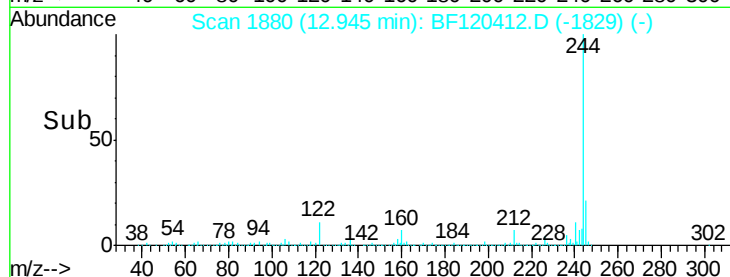
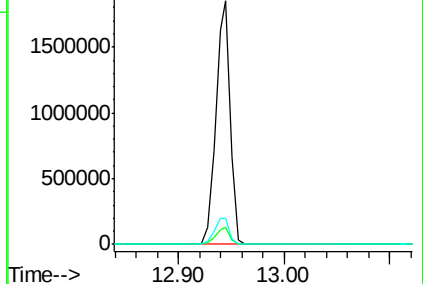
122 10.6 9.2 13.8



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: 3.437 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120412.D

Acq: 28 May 2020 17:07

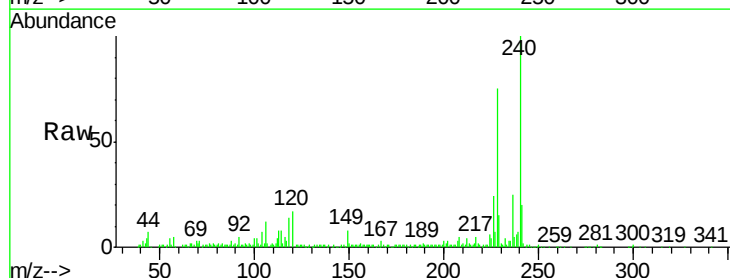
Tgt Ion:228 Resp: 98535

Ion Ratio Lower Upper

228 100

226 31.4 23.0 34.4

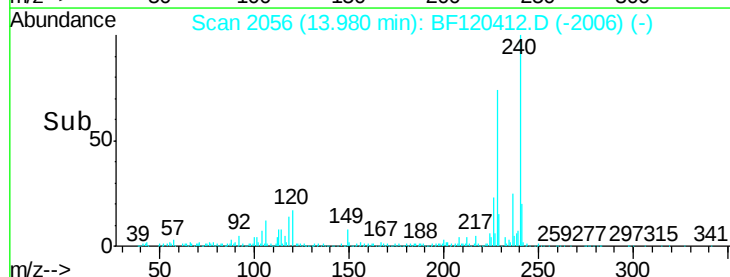
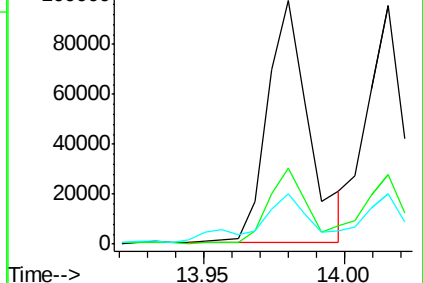
229 20.6 16.2 24.4

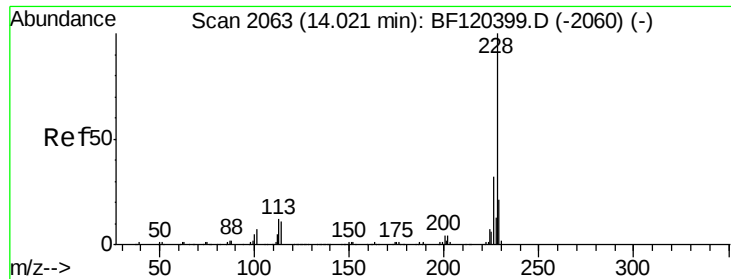


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

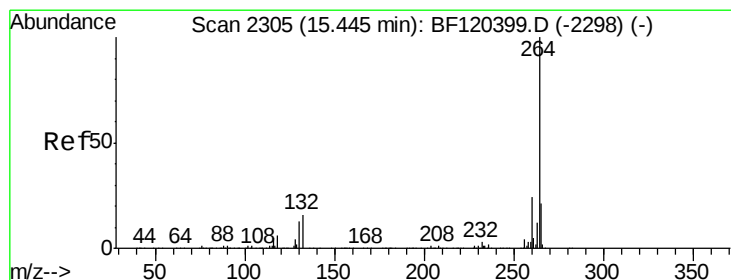
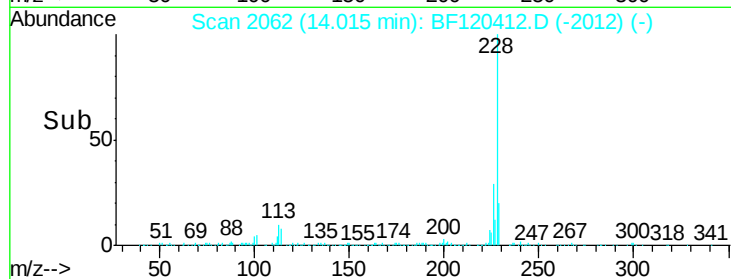
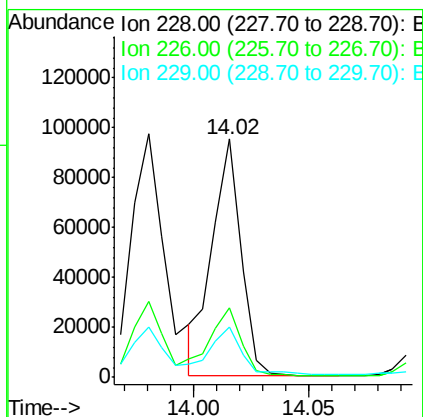
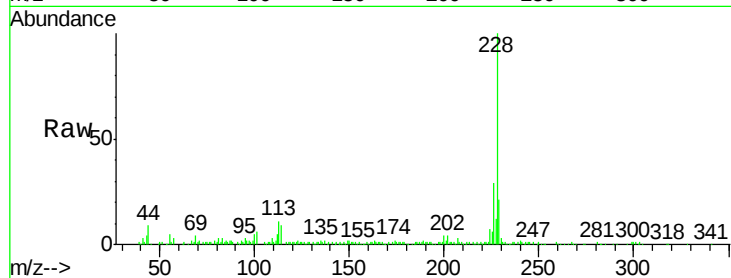




#83
Chrysene
Concen: 2.744 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

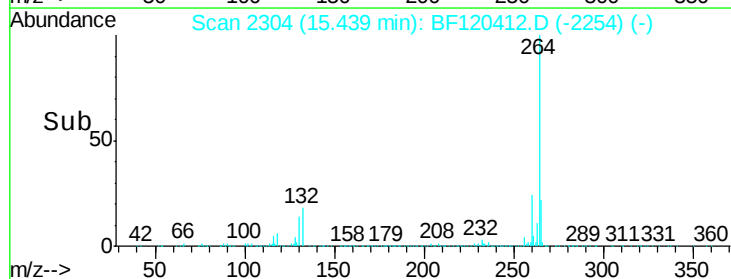
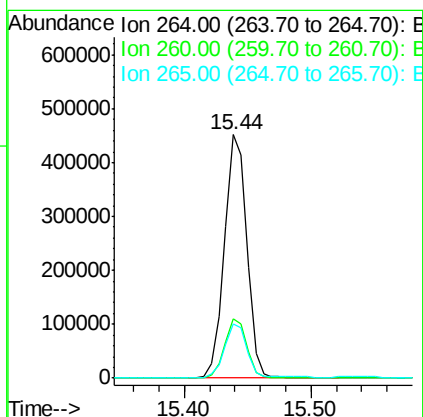
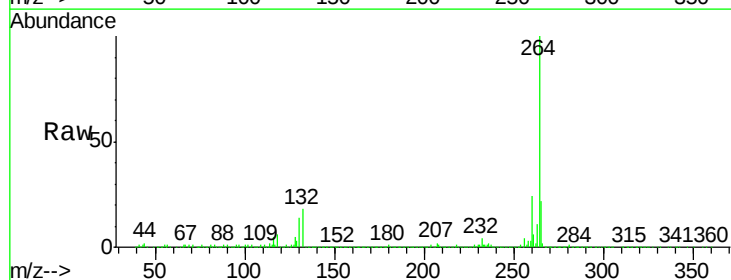
Instrument :
BNA_F
ClientSampleId :
NM65-COMP-2020-0-6

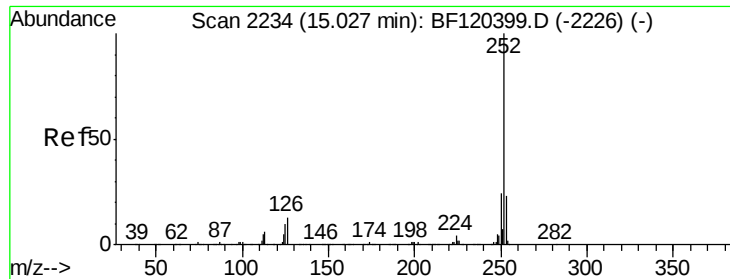
Tot Ion:228 Resp: 82484
Ion Ratio Lower Upper
228 100
226 29.4 25.6 38.4
229 21.1 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Tgt Ion:264 Resp: 552132
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.3 16.9 25.3

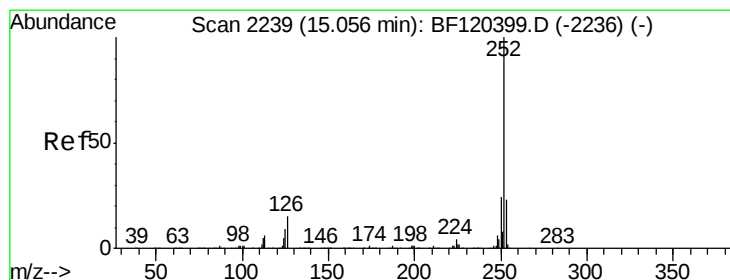
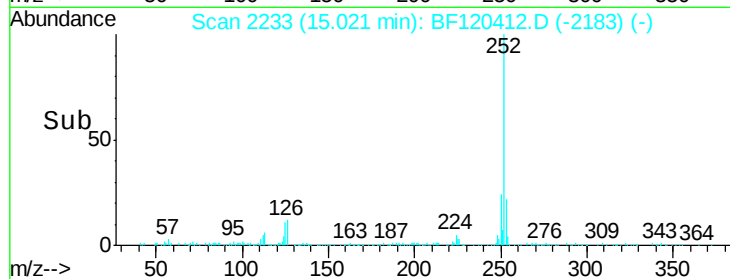
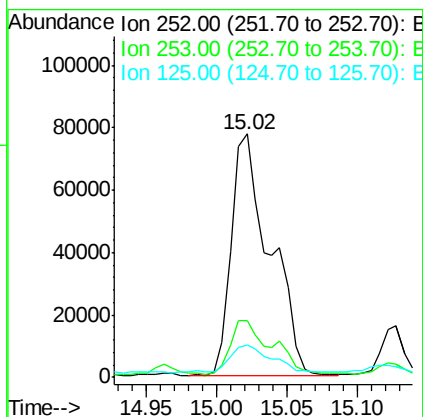
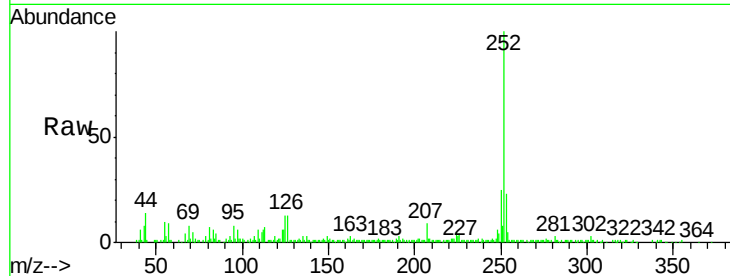




#88
Benzo(b)fluoranthene
Concen: 4.831 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

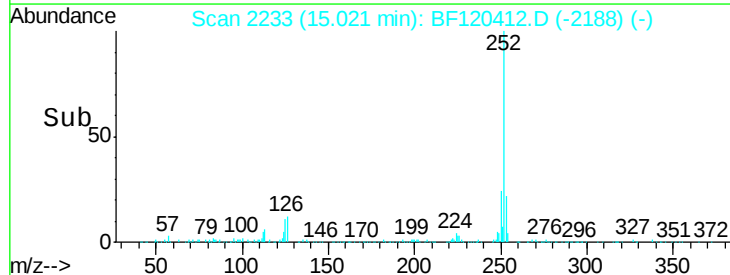
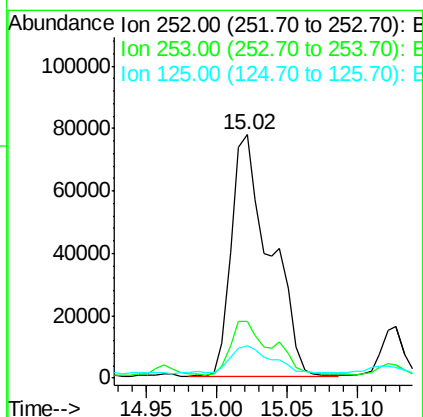
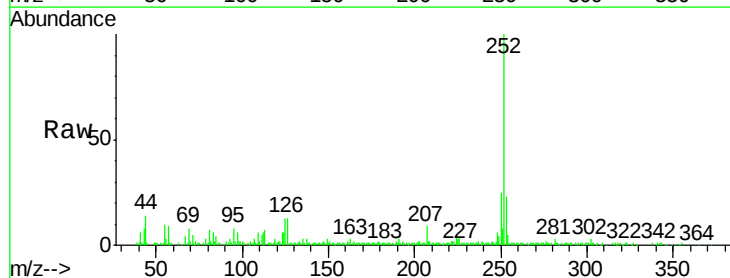
Instrument :
BNA_F
ClientSampleId :
NM65-COMP-2020-0-6

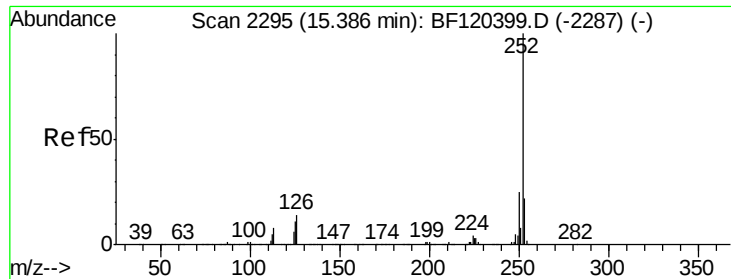
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	13.1	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 5.175 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	13.1	8.0	12.0

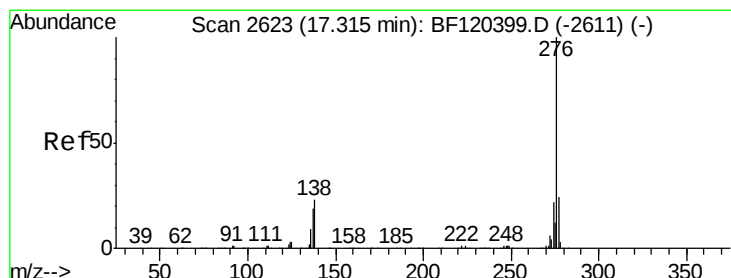
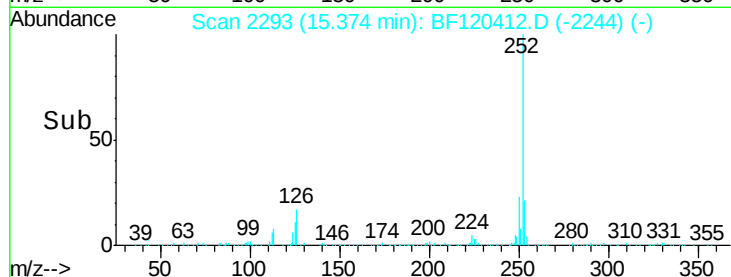
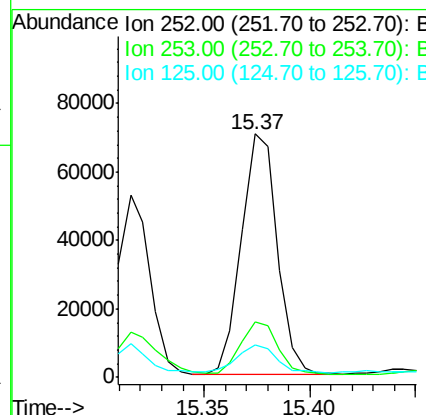
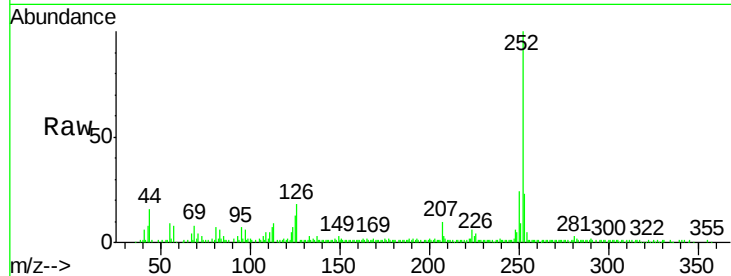




#90
Benzo(a)pyrene
Concen: 3.102 ng
RT: 15.37 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Instrument :
BNA_F
ClientSampleId :
NM65-COMP-2020-0-6

Tot Ion:252 Resp: 83202
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 13.2 8.7 13.1#



#92
Benzo(g,h,i)perylene
Concen: 2.069 ng
RT: 17.30 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF120412.D
Acq: 28 May 2020 17:07

Tgt Ion:276 Resp: 50242
Ion Ratio Lower Upper
276 100
277 24.9 19.5 29.3
138 21.1 18.1 27.1

