

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120416.D
 Acq On : 28 May 2020 19:02
 Operator : MA/SJ
 Sample : L2746-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM108-COMP-2020-0-6

Quant Time: May 29 03:28:05 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	292978	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1032912	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	471639	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	741329	20.00	ng	0.00
76) Chrysene-d12	13.99	240	559811	20.00	ng	0.00
86) Perylene-d12	15.44	264	544760	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1308635	85.12	ng	0.00
7) Phenol-d6	6.46	99	1637087	86.40	ng	0.00
23) Nitrobenzene-d5	7.40	82	1040811	65.91	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	368236	84.27	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1840017	66.19	ng	0.00
79) Terphenyl-d14	12.94	244	1542927	61.33	ng	0.00

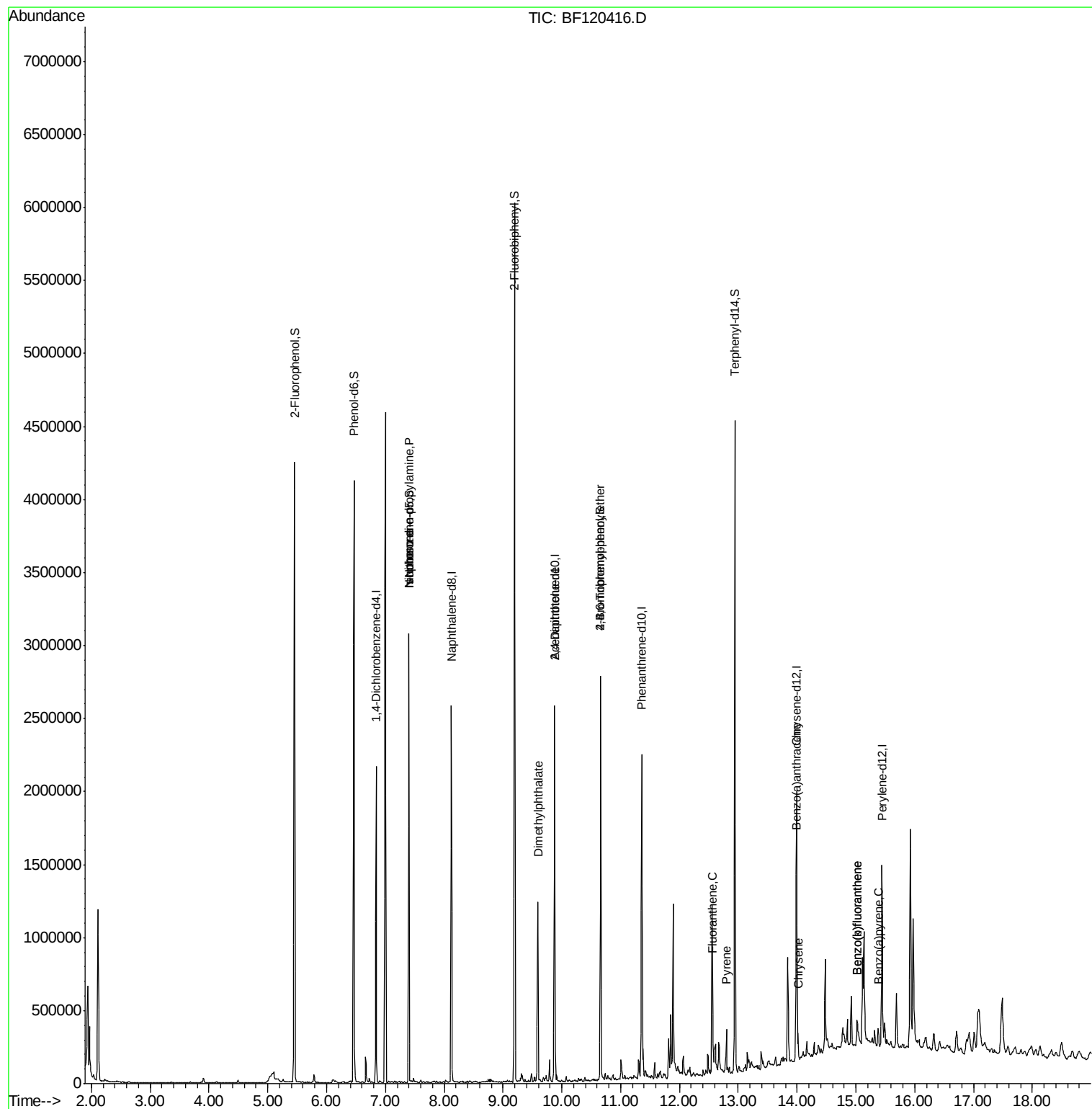
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	141013	11.707	ng	# 78
25) Isophorone	7.40	82	1037690	32.697	ng	# 64
50) Dimethylphthalate	9.59	163	510427	17.311	ng	# 99
57) 2,4-Dinitrotoluene	9.87	165	61103	7.286	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22304	2.981	ng	# 1
75) Fluoranthene	12.57	202	132786	3.778	ng	# 96
78) Pyrene	12.80	202	123977	3.184	ng	# 98
81) Benzo(a)anthracene	13.98	228	72143	2.405	ng	# 95
83) Chrysene	14.02	228	66345	2.109	ng	# 96
88) Benzo(b)fluoranthene	15.02	252	129298	4.273	ng	# 96
89) Benzo(k)fluoranthene	15.02	252	129298	4.577	ng	# 97
90) Benzo(a)pyrene	15.38	252	64528	2.438	ng	# 96

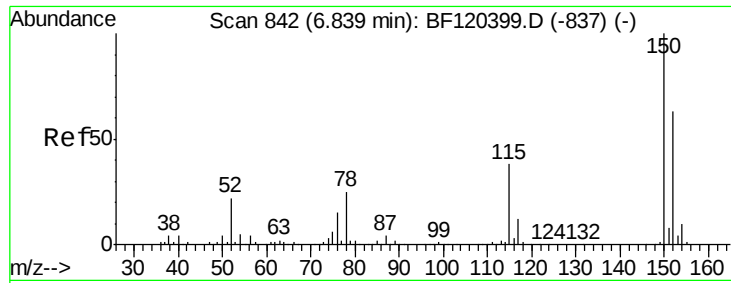
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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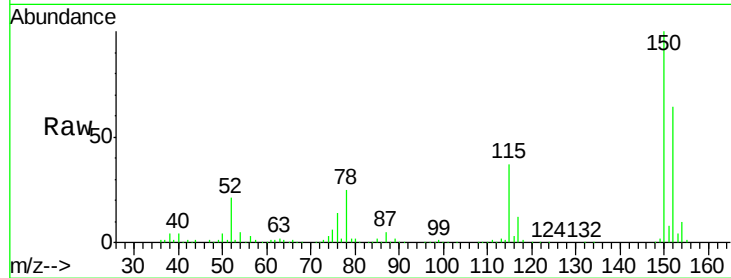


#1

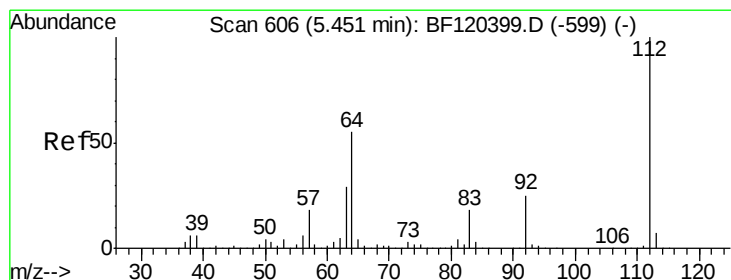
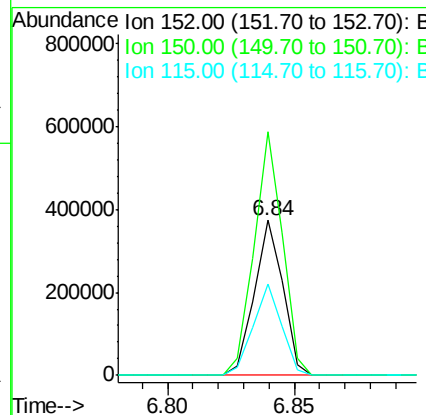
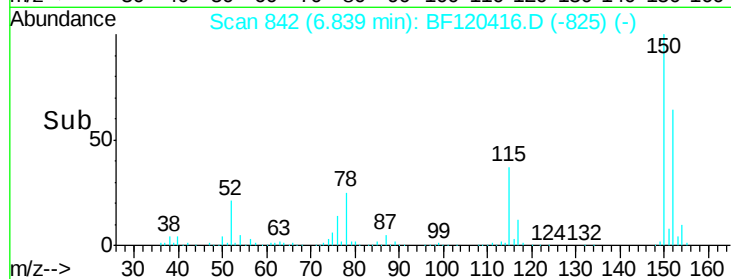
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

Instrument :
BNA_F
ClientSampleId :
NM108-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.5	189.7
115	58.9	47.6	71.4



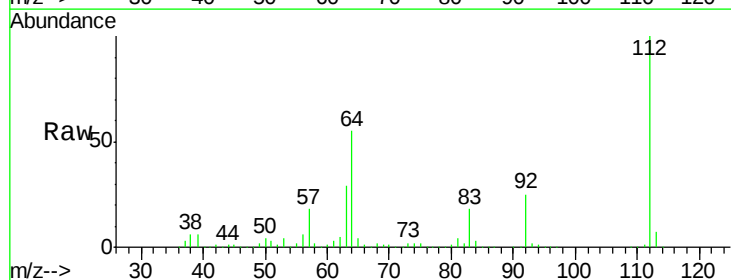
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



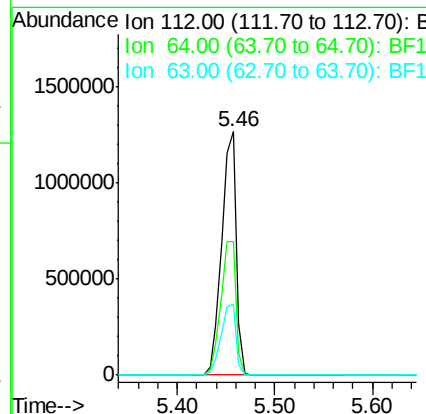
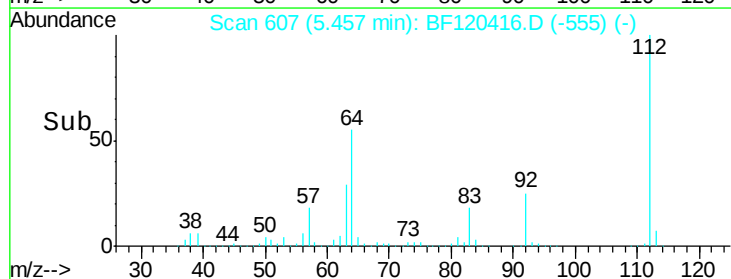
#5

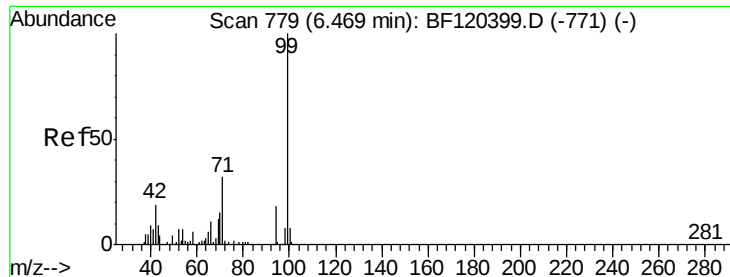
2-Fluorophenol
Concen: 85.123 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.3	66.5
63	29.2	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: 86.395 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

Instrument :

BNA_F

ClientSampleId :

NM108-COMP-2020-0-6

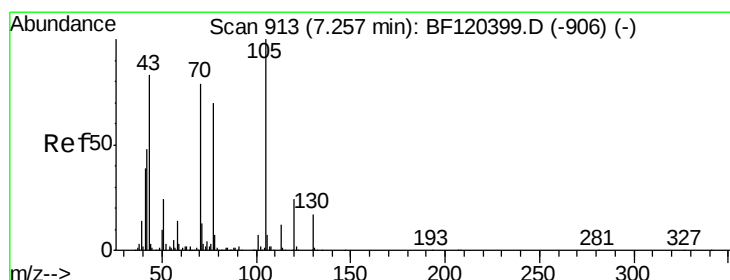
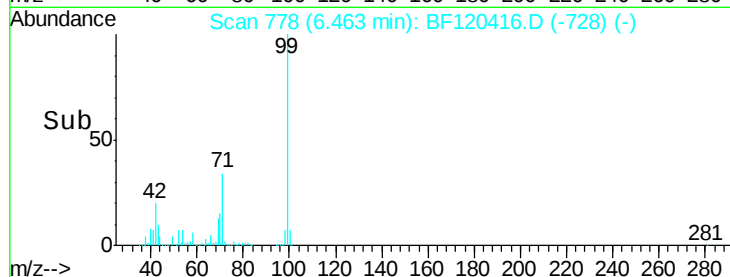
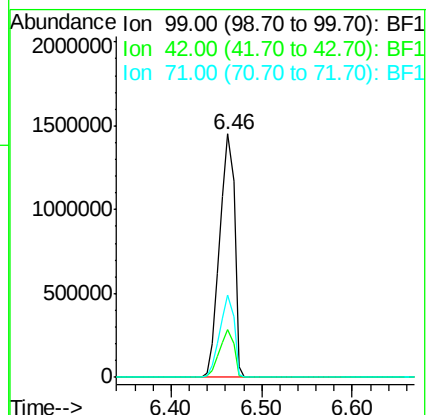
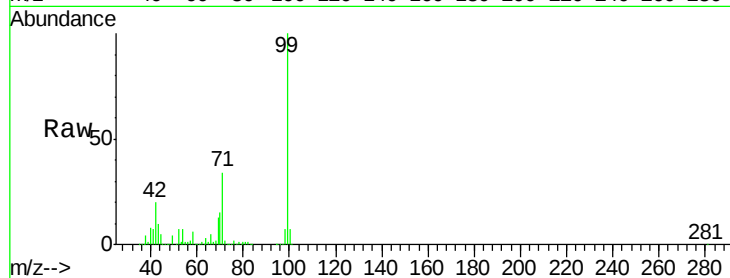
Tot Ion: 99 Resp: 1637087

Ion Ratio Lower Upper

99 100

42 19.7 15.2 22.8

71 33.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.707 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

Tgt Ion: 70 Resp: 141013

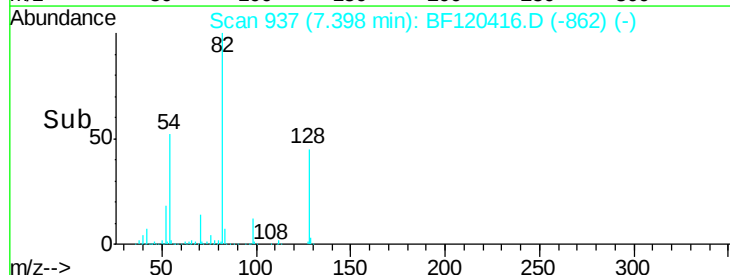
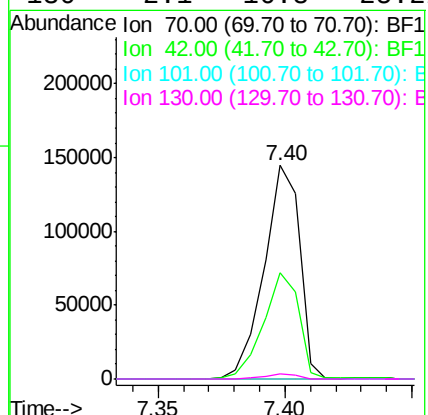
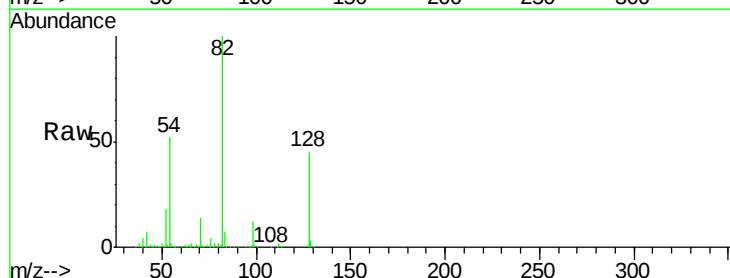
Ion Ratio Lower Upper

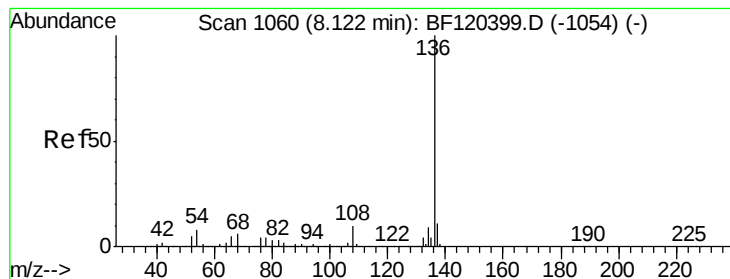
70 100

42 49.8 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: BF120416.D

Acq: 28 May 2020 19:02

Instrument :

BNA_F

ClientSampleId :

NM108-COMP-2020-0-6

Tot Ion:136 Resp: 1032912

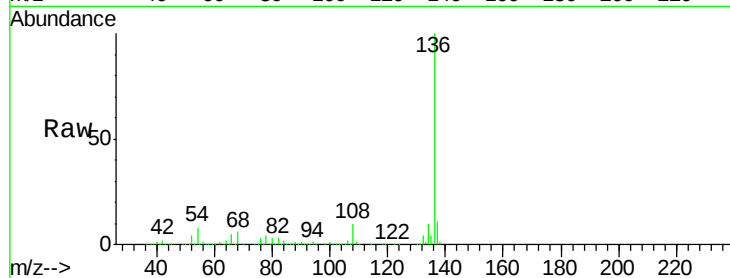
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.9 6.7 10.1

68 6.1 5.0 7.4

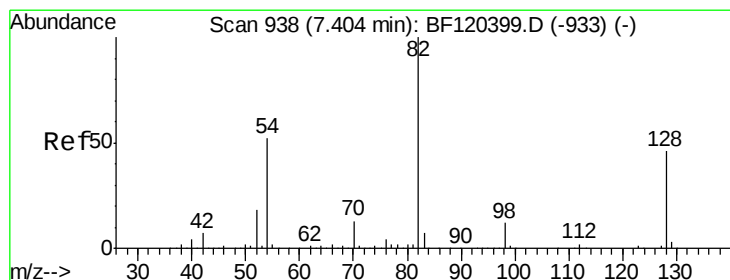
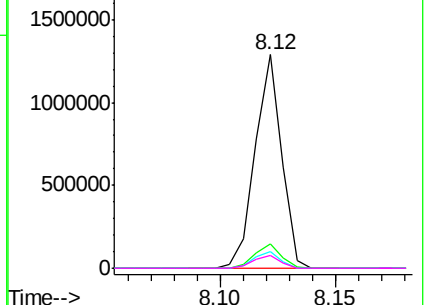
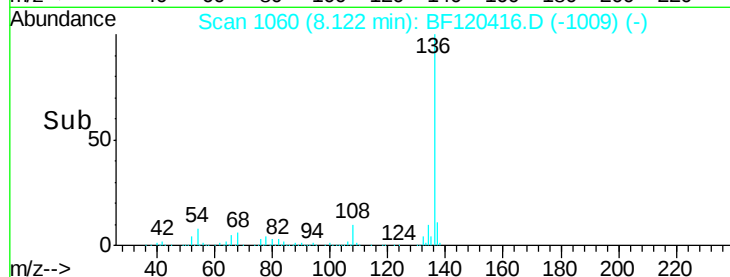


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.913 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

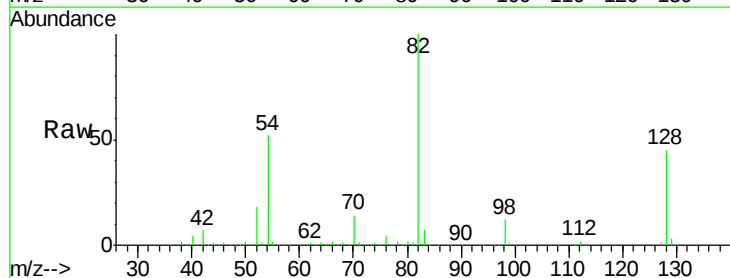
Tgt Ion: 82 Resp: 1040811

Ion Ratio Lower Upper

82 100

128 45.0 36.8 55.2

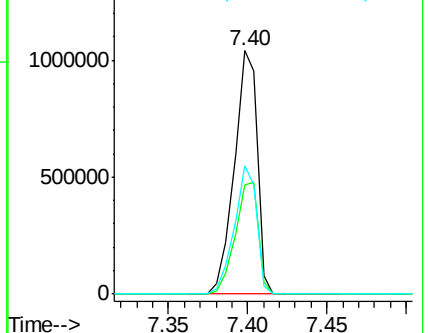
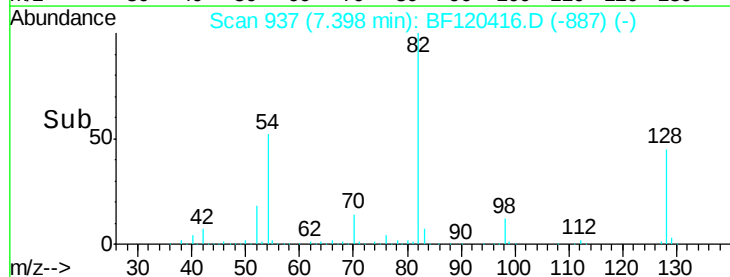
54 52.5 41.6 62.4

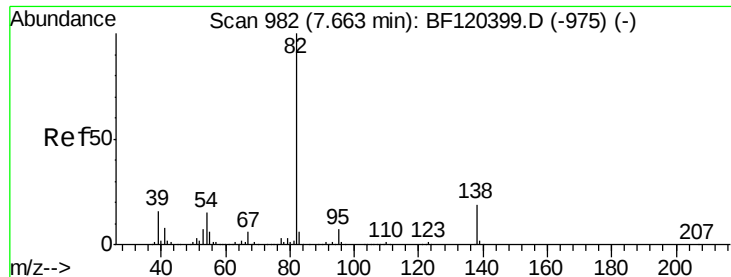


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.697 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

Instrument :

BNA_F

ClientSampleId :

NM108-COMP-2020-0-6

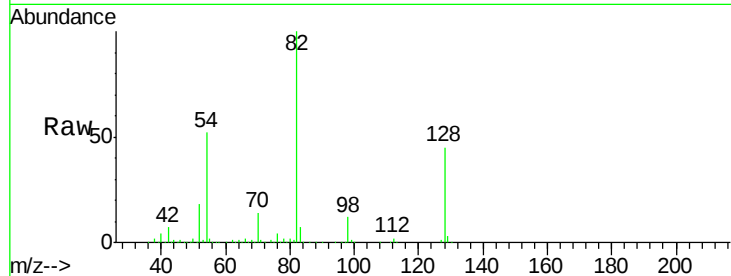
Tot Ion: 82 Resp: 1037690

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

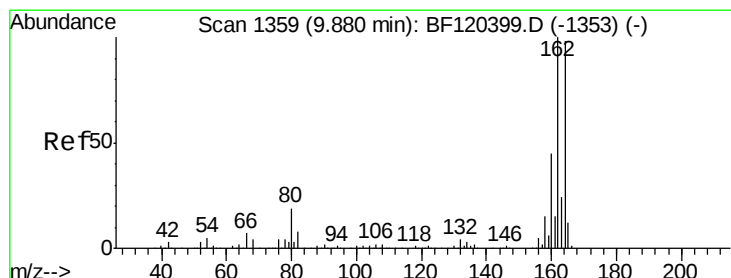
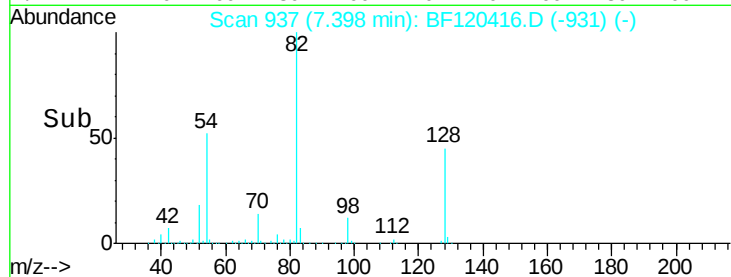
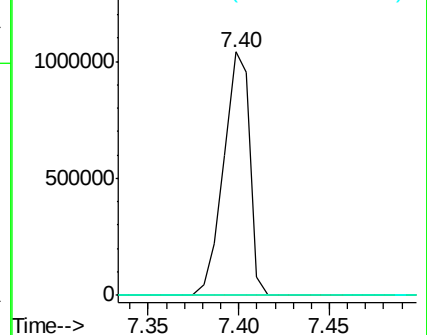
138 0.0 15.0 22.4#



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: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

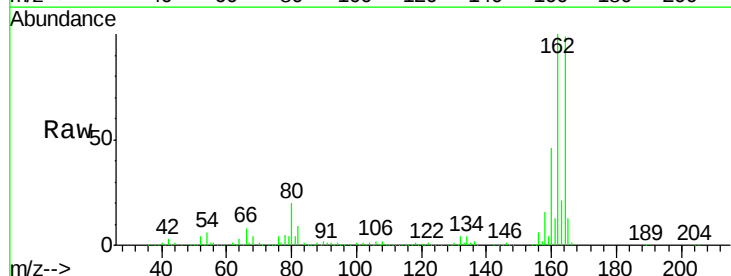
Tgt Ion:164 Resp: 471639

Ion Ratio Lower Upper

164 100

162 101.0 81.3 121.9

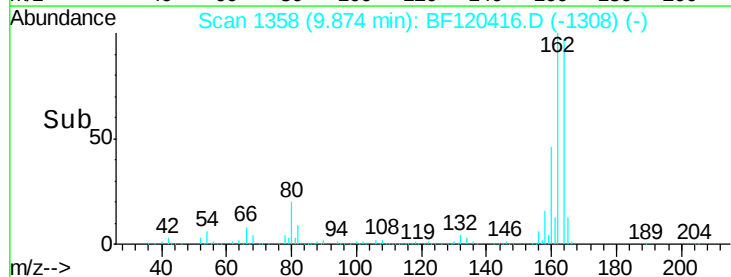
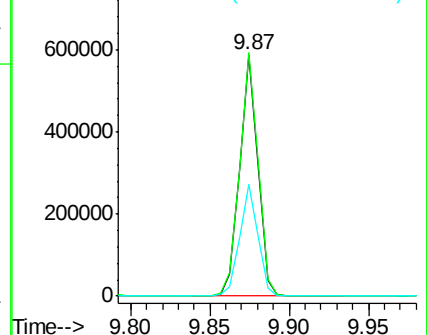
160 46.3 36.9 55.3

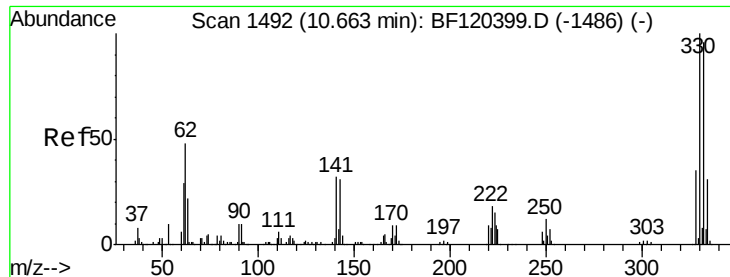


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

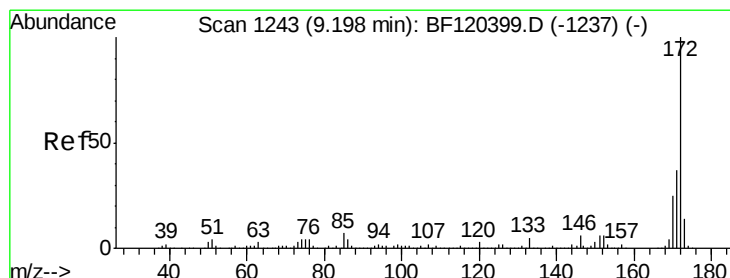
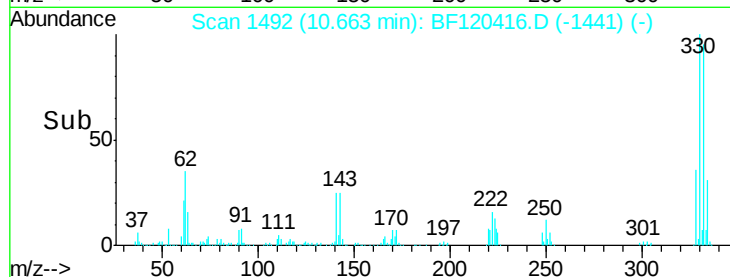
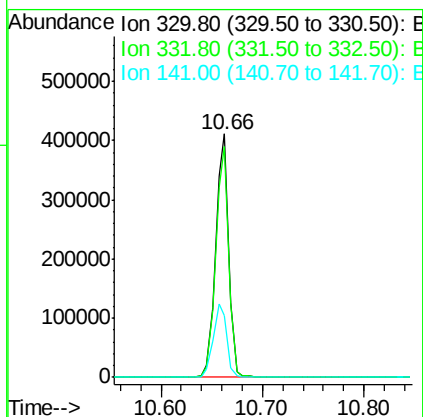
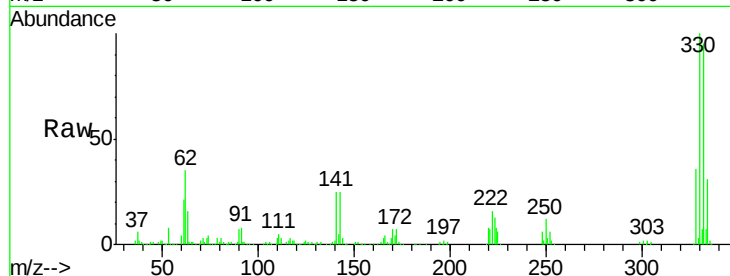




#42
 2,4,6-Tribromophenol
 Concen: 84.266 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BF120416.D
 Acq: 28 May 2020 19:02

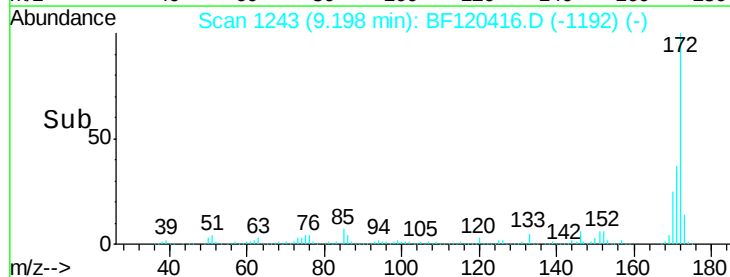
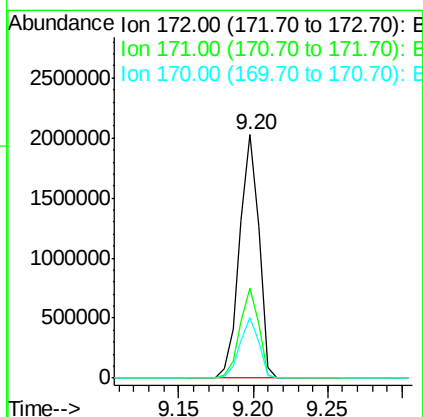
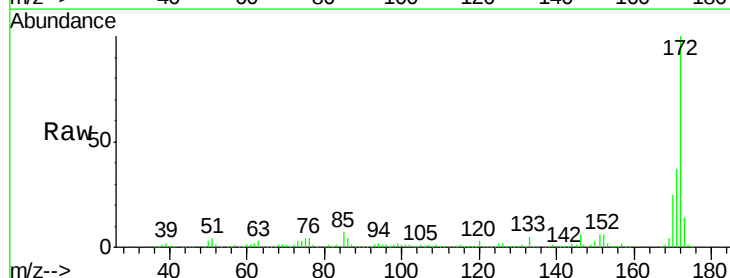
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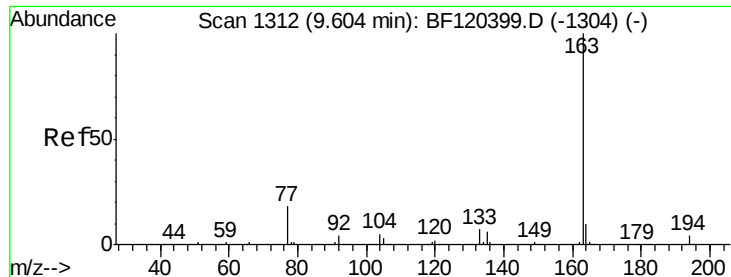
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	31.2	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 66.194 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120416.D
 Acq: 28 May 2020 19:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.7	19.9	29.9

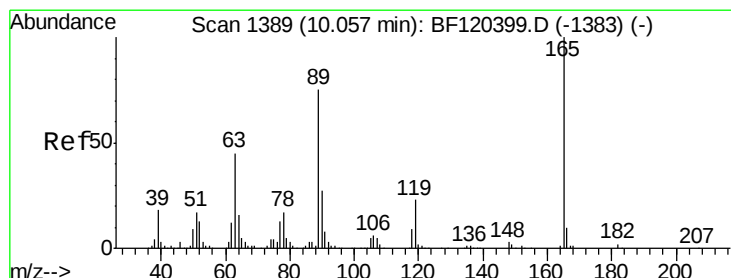
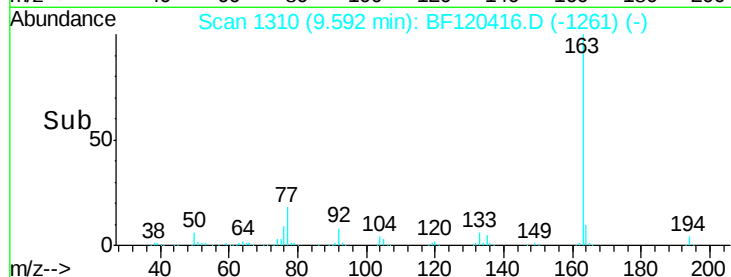
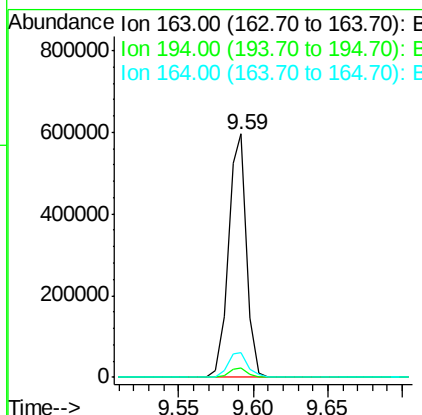
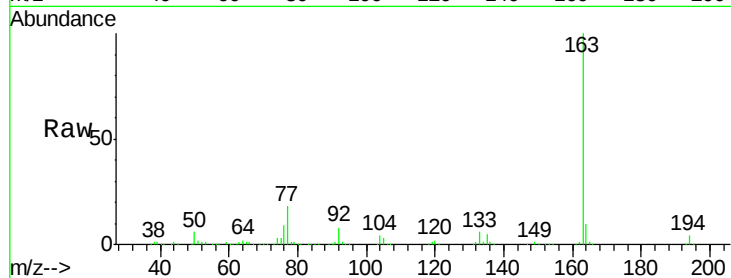




#50
Dimethylphthalate
Concen: 17.311 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

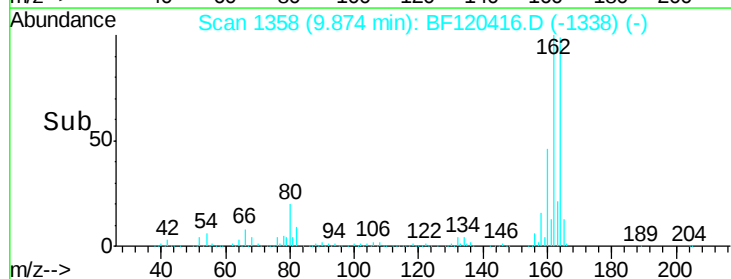
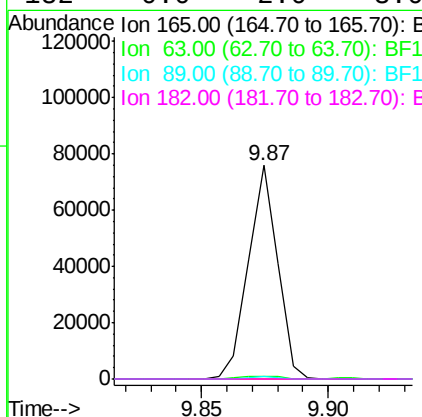
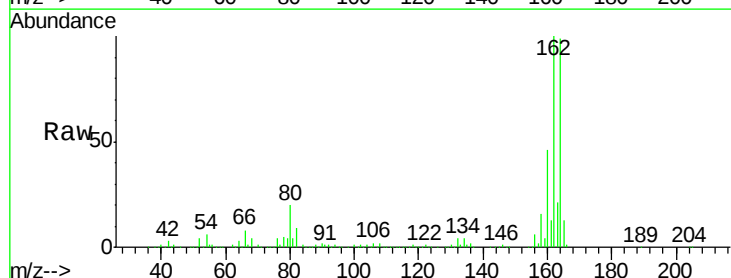
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NM108-COMP-2020-0-6

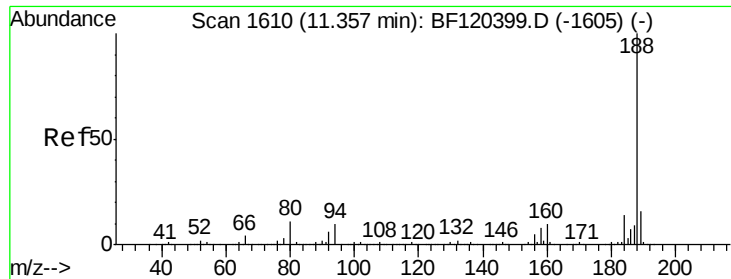
Tot Ion:163 Resp: 510427
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.1 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.286 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

Tgt Ion:165 Resp: 61103
Ion Ratio Lower Upper
165 100
63 1.3 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: BF120416.D

Acq: 28 May 2020 19:02

Instrument :

BNA_F

ClientSampleId :

NM108-COMP-2020-0-6

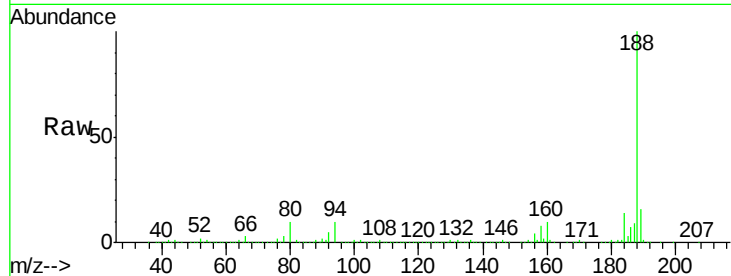
Tot Ion:188 Resp: 741329

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

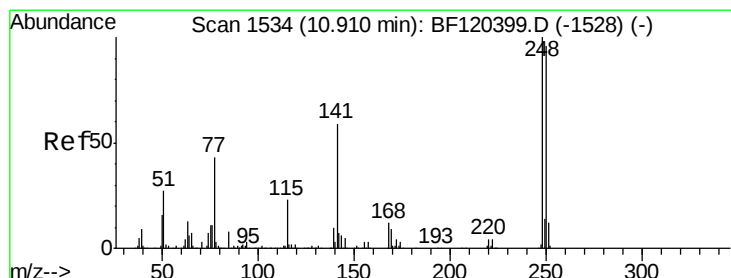
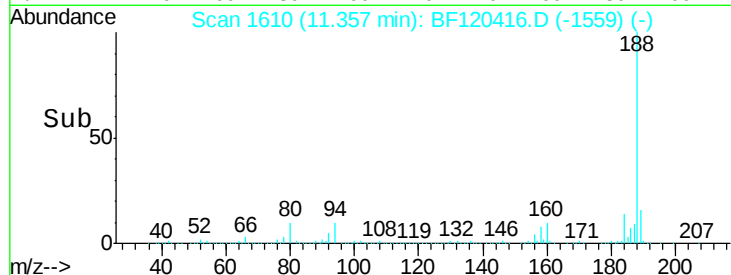
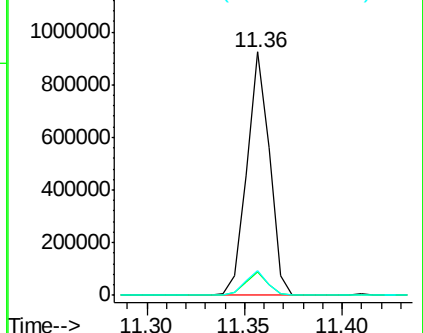
80 10.0 8.6 13.0



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: 2.981 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

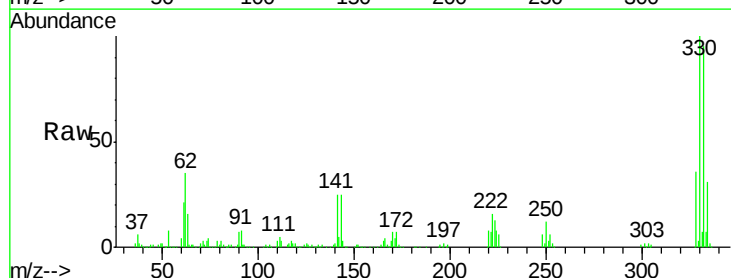
Tgt Ion:248 Resp: 22304

Ion Ratio Lower Upper

248 100

250 204.6 76.5 114.7#

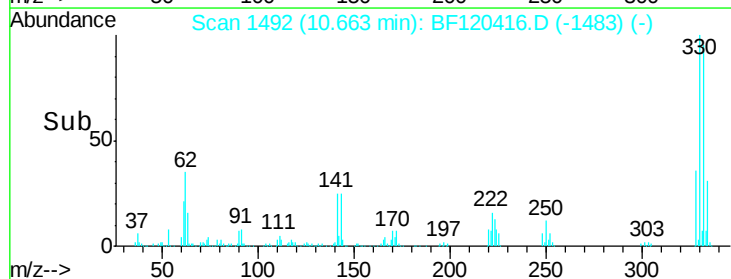
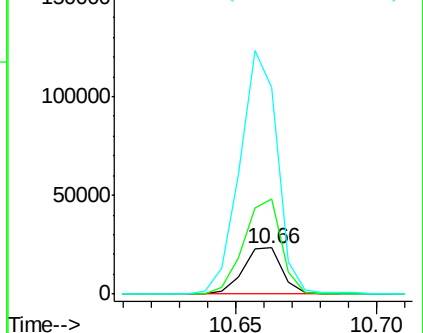
141 445.9 47.2 70.8#

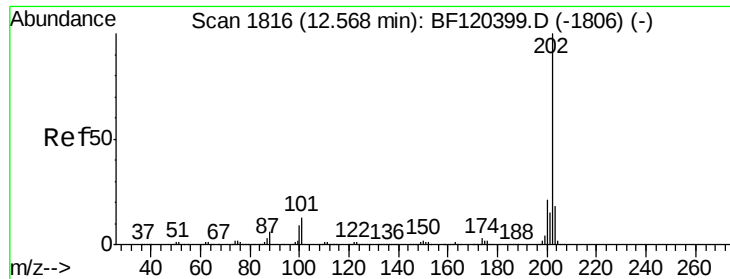


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.778 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

Instrument :

BNA_F

ClientSampleId :

NM108-COMP-2020-0-6

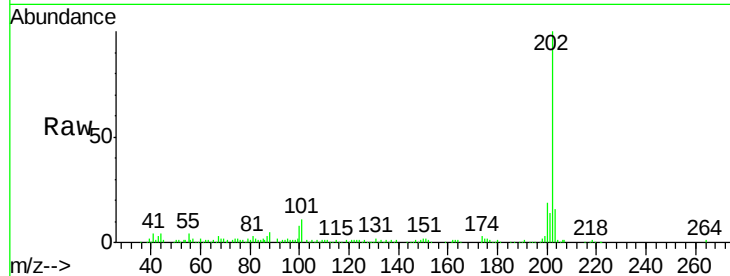
Tot Ion:202 Resp: 132786

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.6

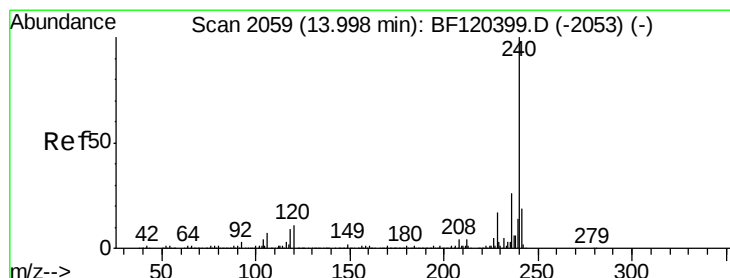
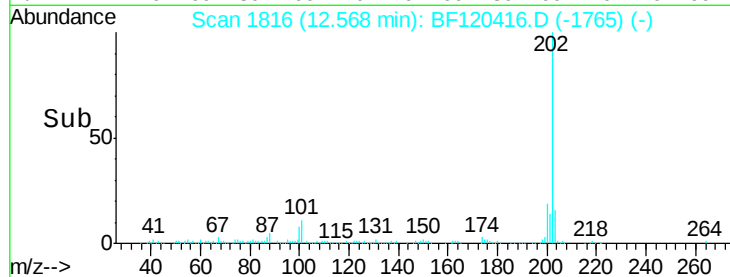
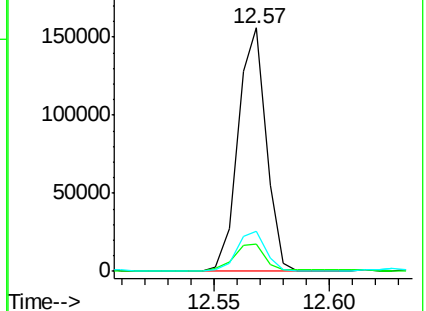
203 16.4 0.0 38.4



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: BF120416.D

Acq: 28 May 2020 19:02

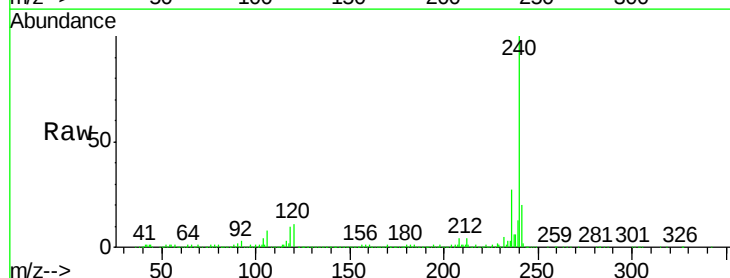
Tgt Ion:240 Resp: 559811

Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

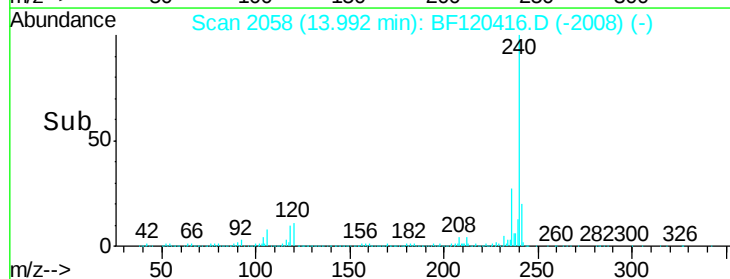
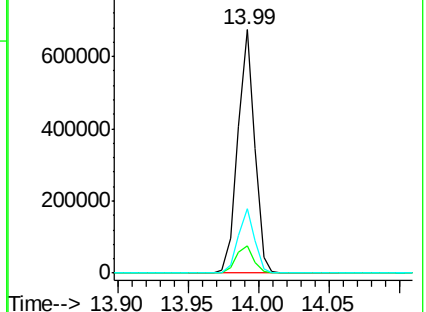
236 26.6 21.0 31.4

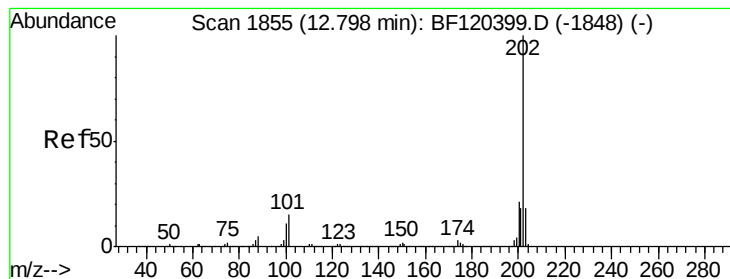


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.184 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

Instrument :

BNA_F

ClientSampleId :

NM108-COMP-2020-0-6

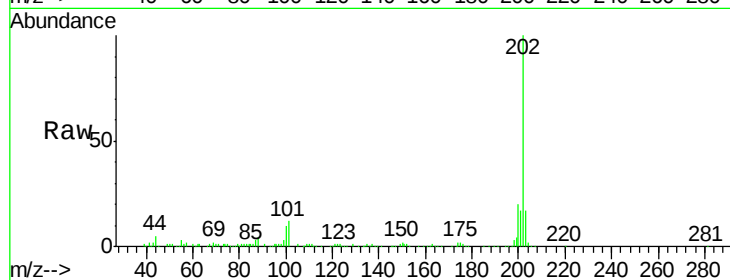
Tot Ion:202 Resp: 123977

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

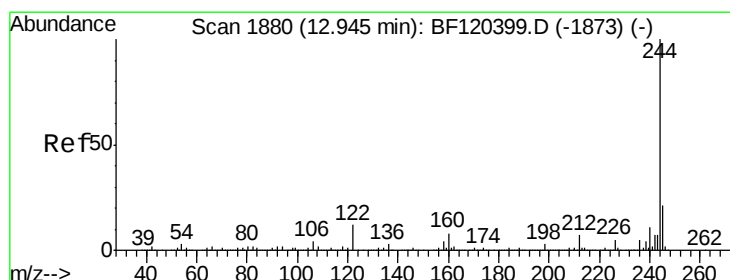
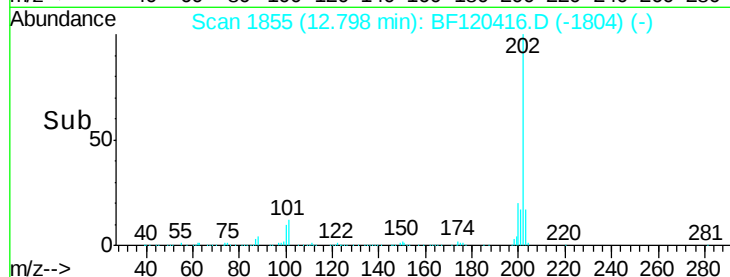
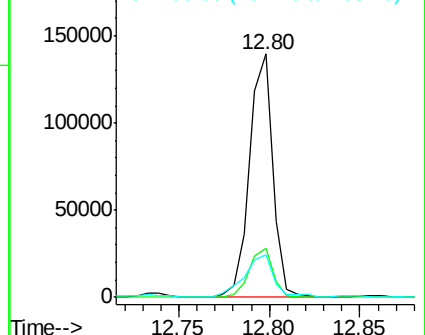
203 17.5 14.7 22.1



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: 61.331 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

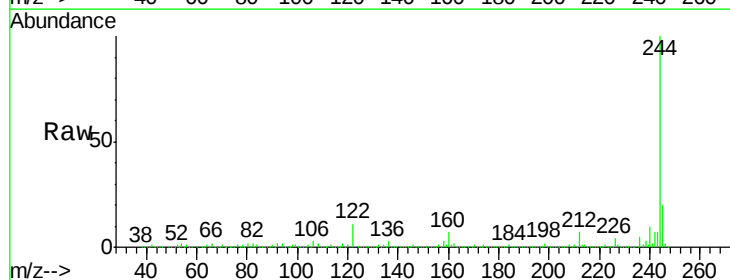
Tgt Ion:244 Resp: 1542927

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

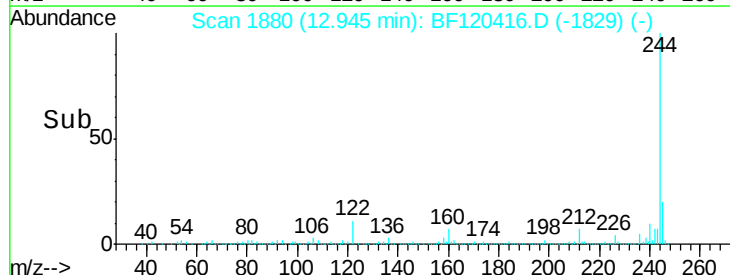
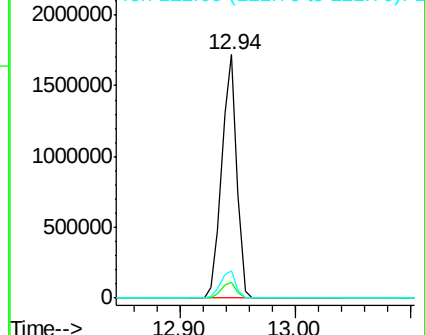
122 11.0 9.2 13.8

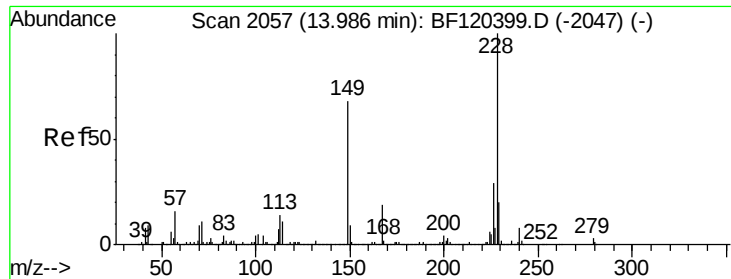


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

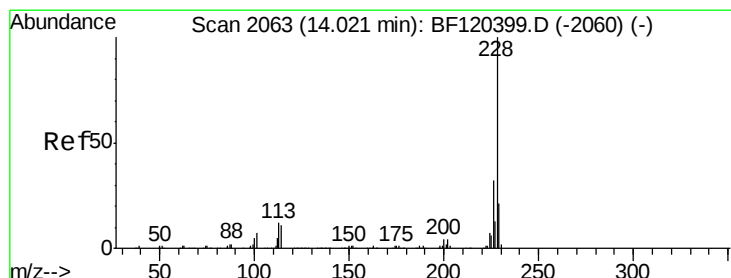
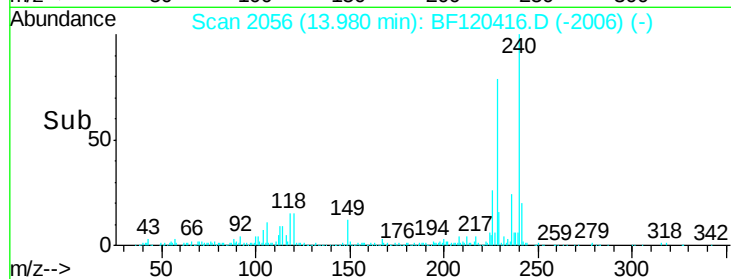
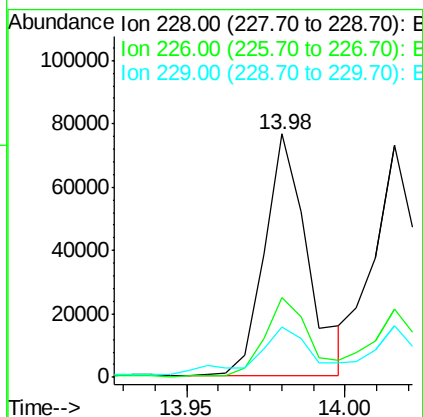
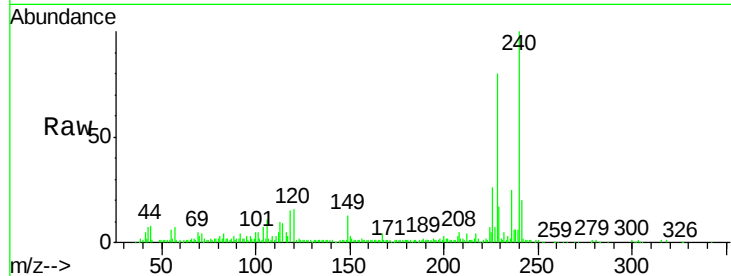




#81
Benzo(a)anthracene
Concen: 2.405 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

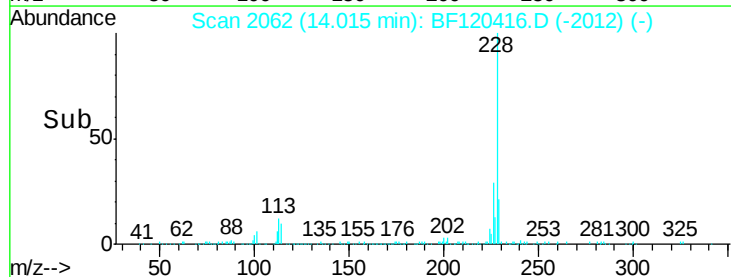
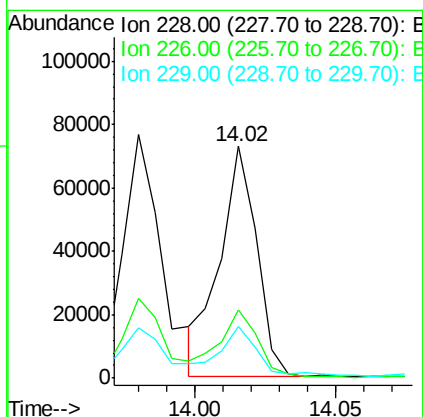
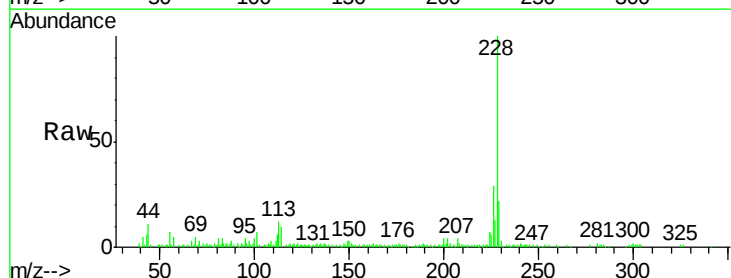
Instrument :
BNA_F
ClientSampleId :
NM108-COMP-2020-0-6

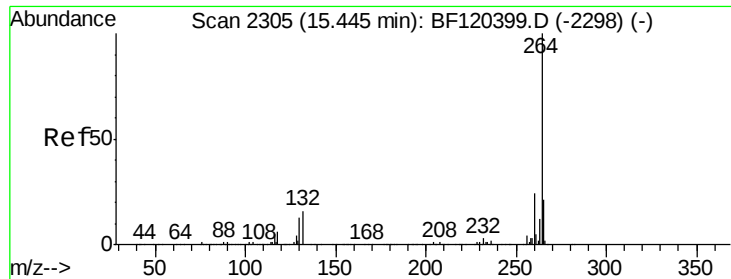
Tot Ion:228 Resp: 72143
Ion Ratio Lower Upper
228 100
226 32.8 23.0 34.4
229 20.7 16.2 24.4



#83
Chrysene
Concen: 2.109 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

Tgt Ion:228 Resp: 66345
Ion Ratio Lower Upper
228 100
226 29.2 25.6 38.4
229 22.3 16.6 25.0

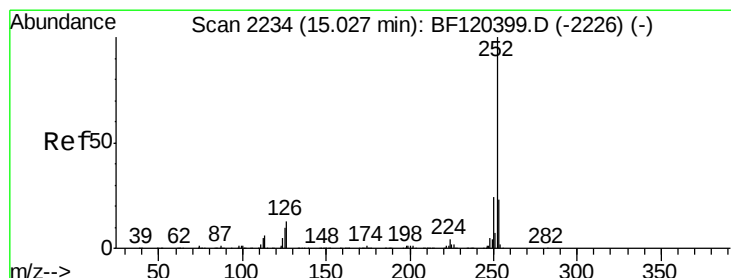
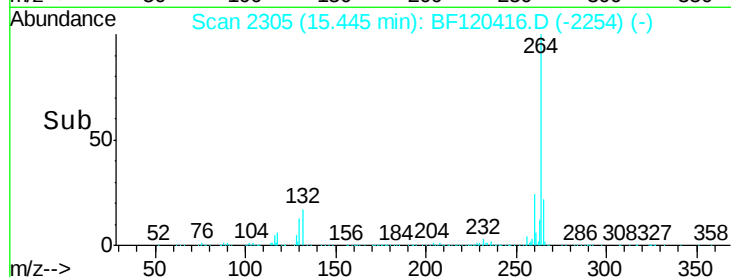
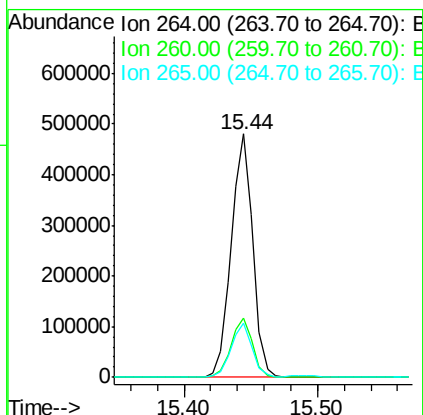
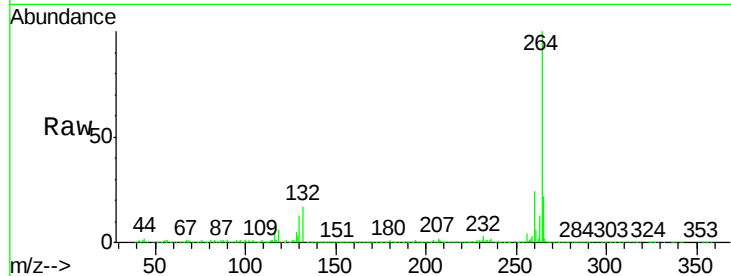




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

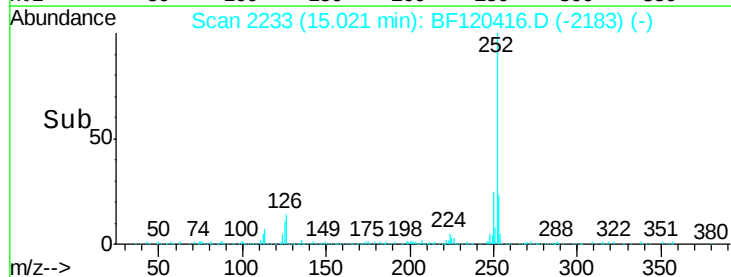
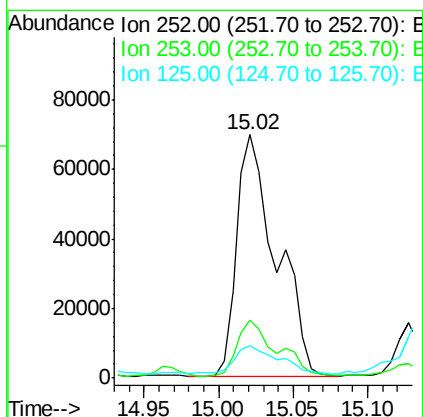
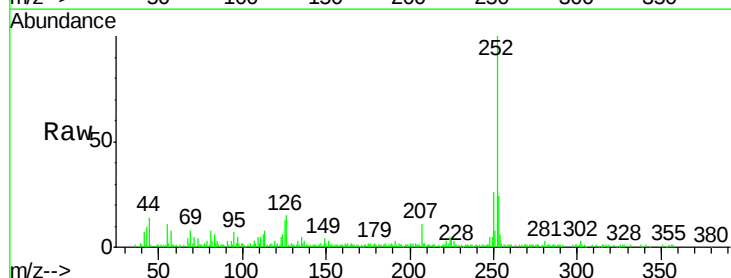
Instrument :
BNA_F
ClientSampleId :
NM108-COMP-2020-0-6

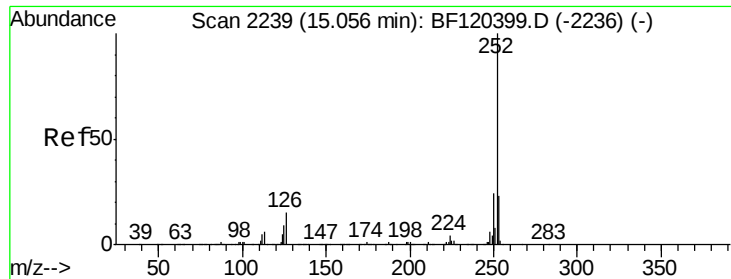
Tot Ion:264 Resp: 544760
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.2 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 4.273 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120416.D
Acq: 28 May 2020 19:02

Tgt Ion:252 Resp: 129298
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 13.2 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 4.577 ng

RT: 15.02 min Scan# 2233

Delta R.T. -0.04 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

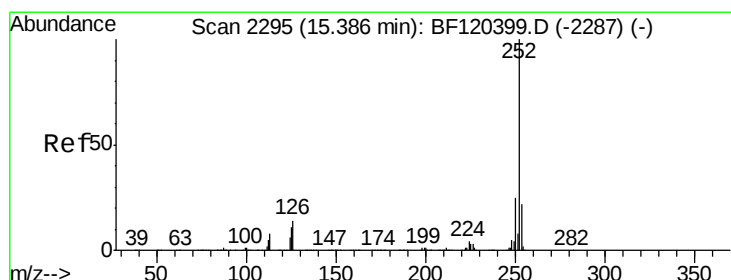
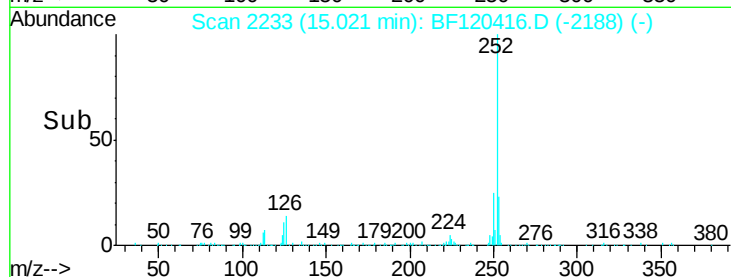
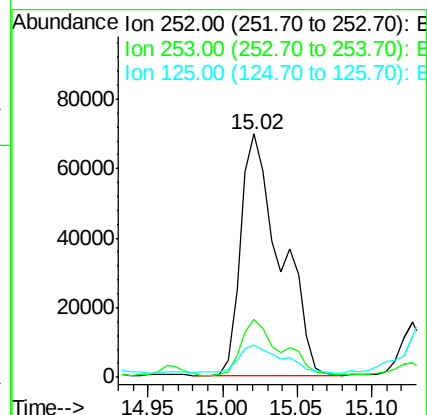
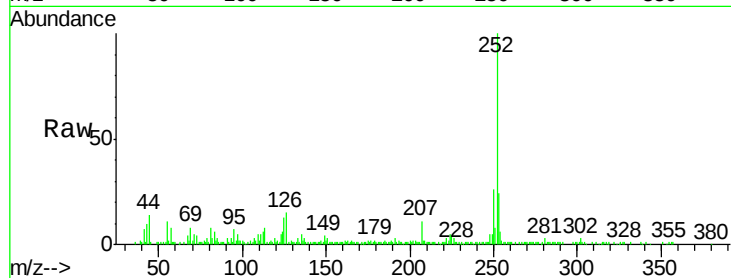
Instrument :

BNA_F

ClientSampleId :

NM108-COMP-2020-0-6

Tot Ion:252	Resp:	129298
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.5 27.7
125	13.2	8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.438 ng

RT: 15.38 min Scan# 2294

Delta R.T. -0.01 min

Lab File: BF120416.D

Acq: 28 May 2020 19:02

Tgt Ion:252	Resp:	64528
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.4 26.0
125	14.7	8.7 13.1#

