

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120426.D
 Acq On : 28 May 2020 23:49
 Operator : MA/SJ
 Sample : L2745-10 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM29-COMP-2020-0-6

Quant Time: May 29 03:32:01 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

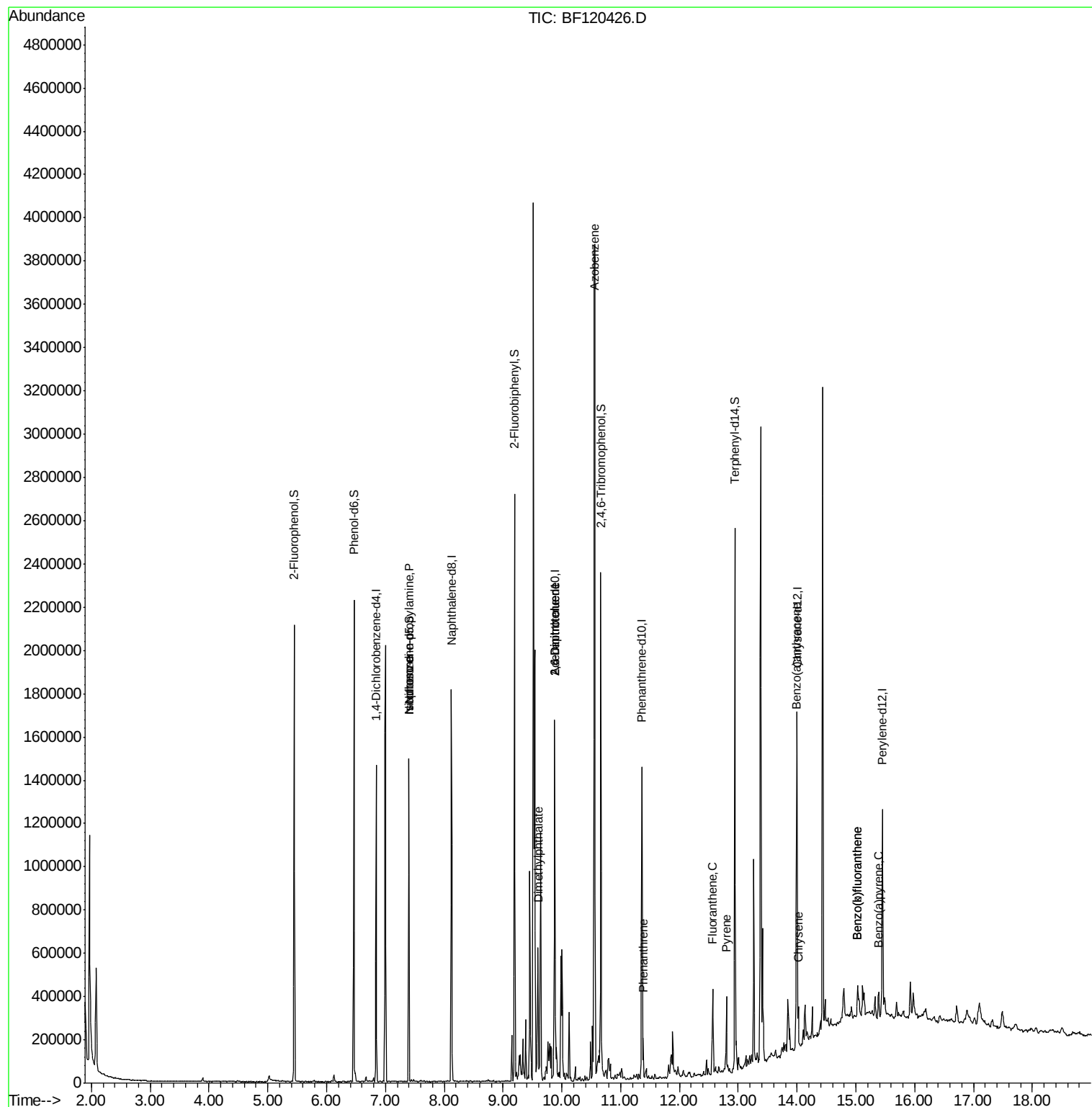
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	203467	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	715033	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	321797	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	561882	20.00	ng	0.00
76) Chrysene-d12	14.00	240	510895	20.00	ng	0.00
86) Perylene-d12	15.45	264	450218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	547376	51.27	ng	0.00
7) Phenol-d6	6.46	99	667103	50.69	ng	0.00
23) Nitrobenzene-d5	7.40	82	401211	36.70	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	150925	50.62	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	797196	42.03	ng	0.00
79) Terphenyl-d14	12.94	244	806881	35.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	52429	6.268	ng	Qvalue # 76
25) Isophorone	7.40	82	401278	18.265	ng	# 64
50) Dimethylphthalate	9.59	163	102196	5.080	ng	100
51) 2,6-Dinitrotoluene	9.87	165	42792	9.571	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	42792	7.479	ng	# 22
63) Azobenzene	10.55	77	56165	2.937	ng	# 22
71) Phenanthrene	11.38	178	61548	2.486	ng	99
75) Fluoranthene	12.57	202	140689	5.281	ng	97
78) Pyrene	12.80	202	130126	3.662	ng	97
81) Benzo(a)anthracene	13.99	228	78172	2.855	ng	100
83) Chrysene	14.02	228	61785	2.152	ng	97
88) Benzo(b)fluoranthene	15.03	252	107406	4.295	ng	# 94
89) Benzo(k)fluoranthene	15.03	252	107406	4.601	ng	# 95
90) Benzo(a)pyrene	15.39	252	55943	2.558	ng	97

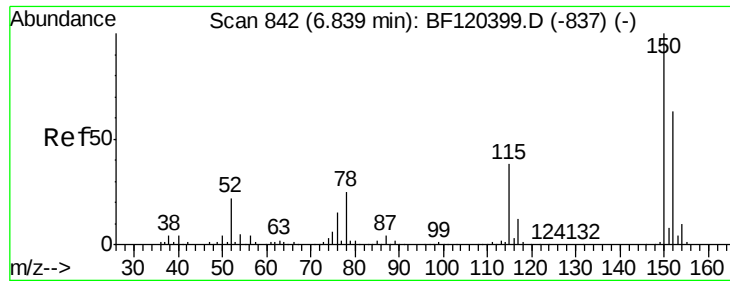
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

BNA_F

ClientSampleId :

NM29-COMP-2020-0-6

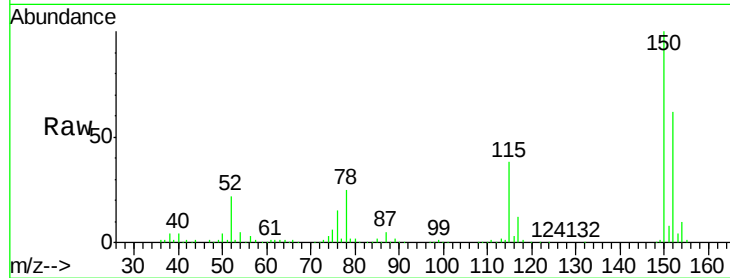
Tot Ion:152 Resp: 203467

Ion Ratio Lower Upper

152 100

150 160.6 126.5 189.7

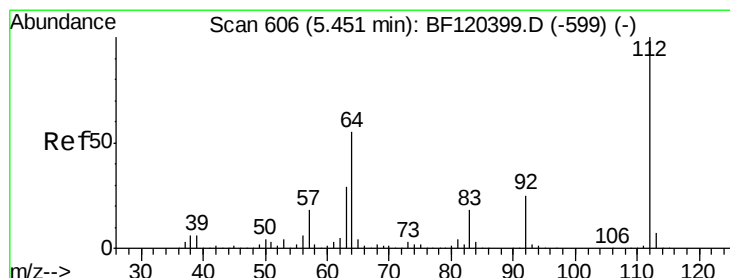
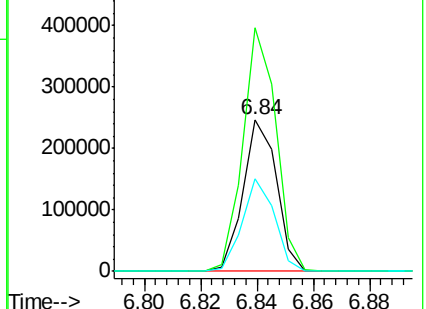
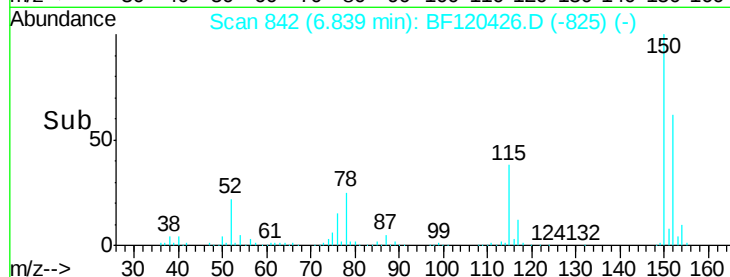
115 61.3 47.6 71.4



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: 51.269 ng

RT: 5.45 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

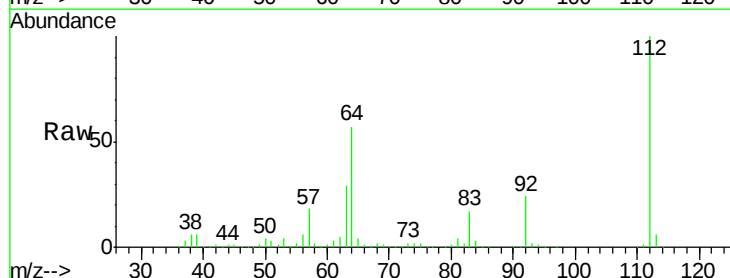
Tgt Ion:112 Resp: 547376

Ion Ratio Lower Upper

112 100

64 56.9 44.3 66.5

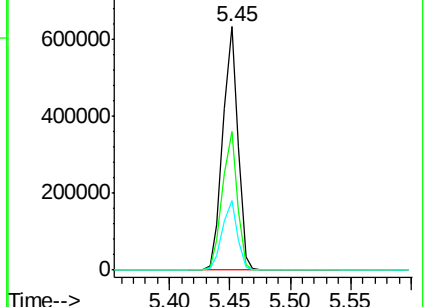
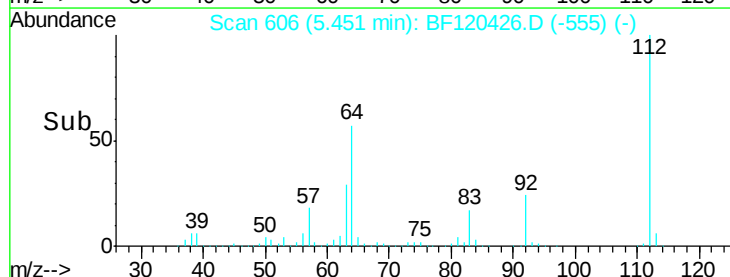
63 28.5 22.9 34.3



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: 50.693 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

BNA_F

ClientSampleId :

NM29-COMP-2020-0-6

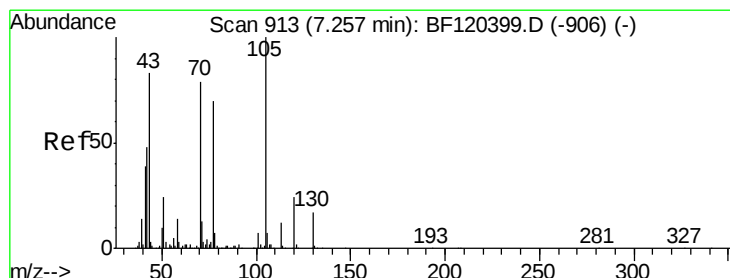
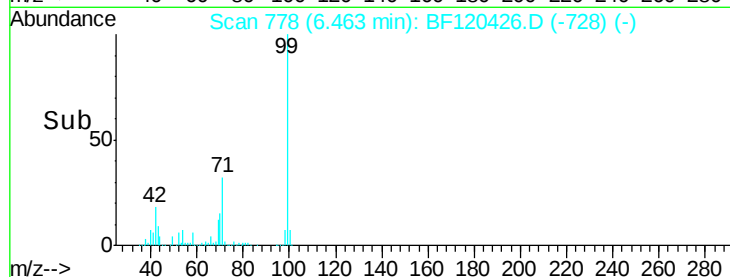
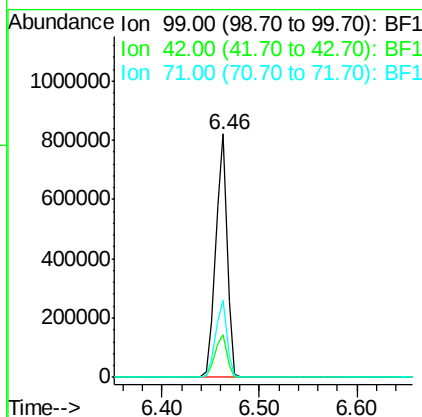
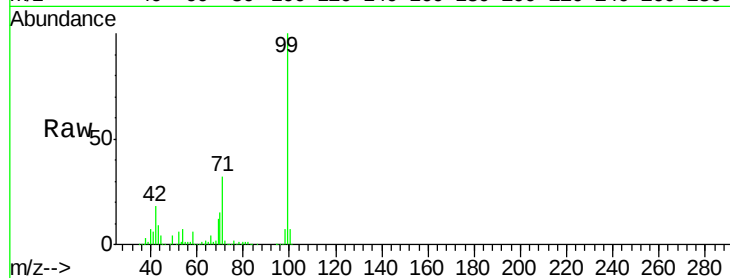
Tot Ion: 99 Resp: 667103

Ion Ratio Lower Upper

99 100

42 17.7 15.2 22.8

71 31.5 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 6.268 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

Tgt Ion: 70 Resp: 52429

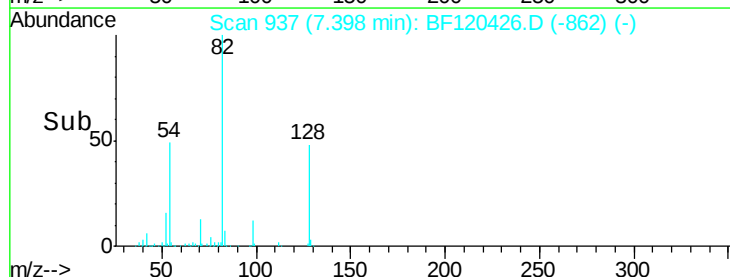
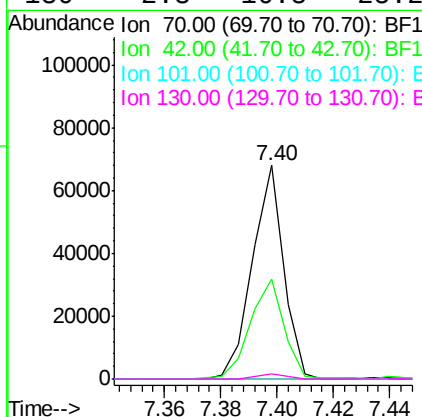
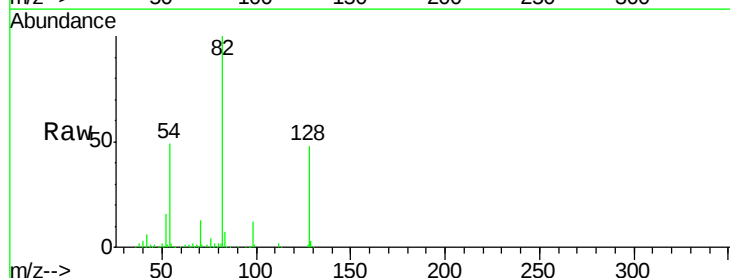
Ion Ratio Lower Upper

70 100

42 46.7 48.9 73.3#

101 0.0 7.4 11.2#

130 2.3 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: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

BNA_F

ClientSampleId :

NM29-COMP-2020-0-6

Tot Ion:136 Resp: 715033

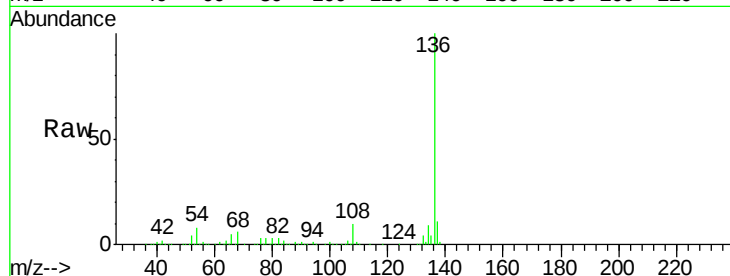
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.0 6.7 10.1

68 6.1 5.0 7.4

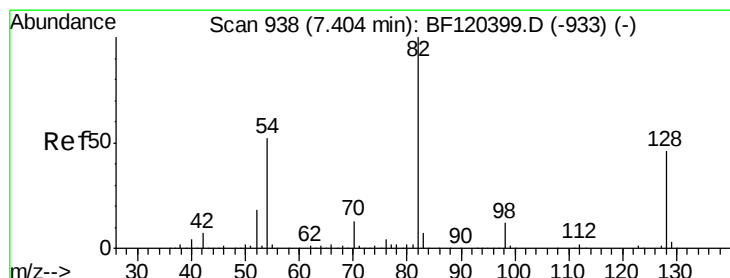
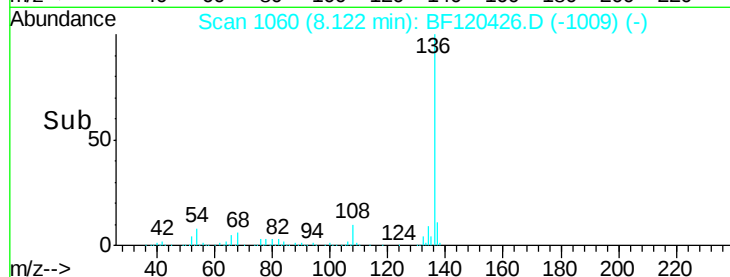
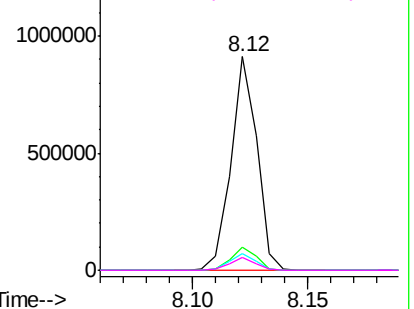


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.704 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

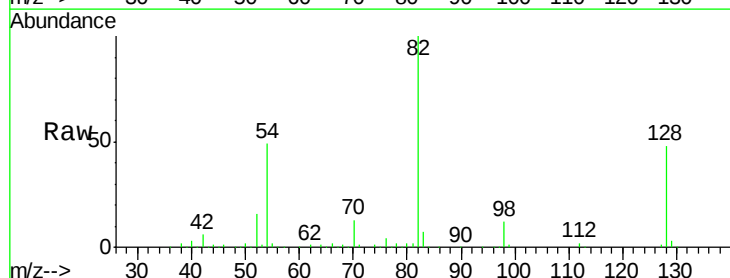
Tgt Ion: 82 Resp: 401211

Ion Ratio Lower Upper

82 100

128 47.7 36.8 55.2

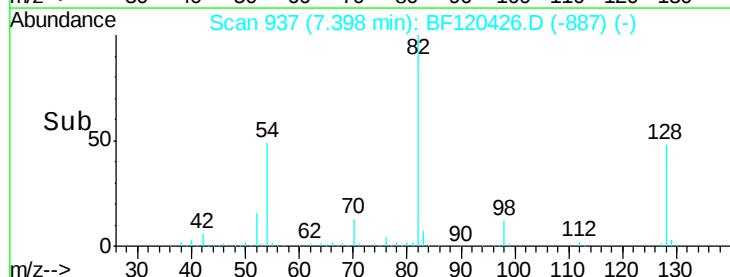
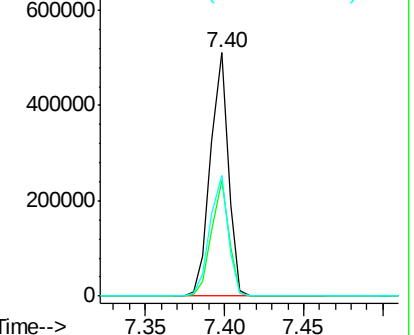
54 49.4 41.6 62.4



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: 18.265 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

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ClientSampleId :

NM29-COMP-2020-0-6

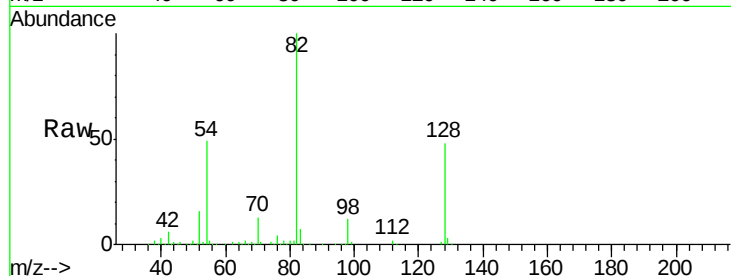
Tot Ion: 82 Resp: 401278

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

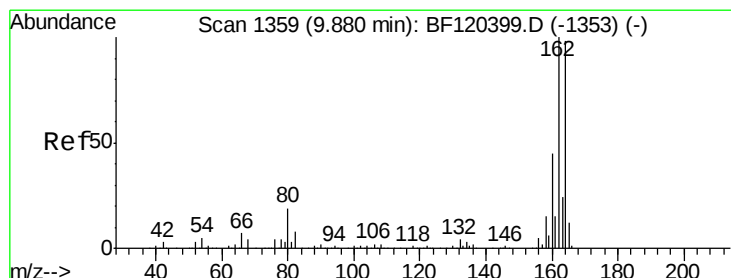
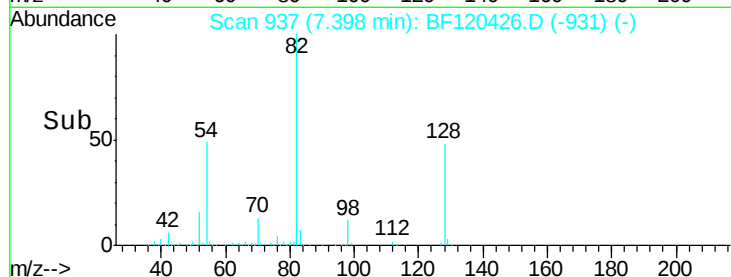
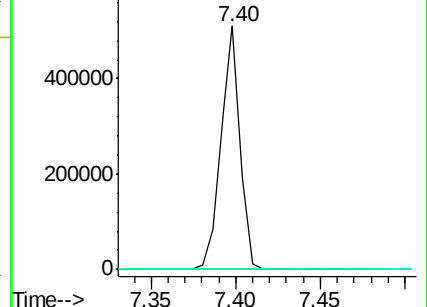
138 0.0 15.0 22.4#



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: BF120426.D

Acq: 28 May 2020 23:49

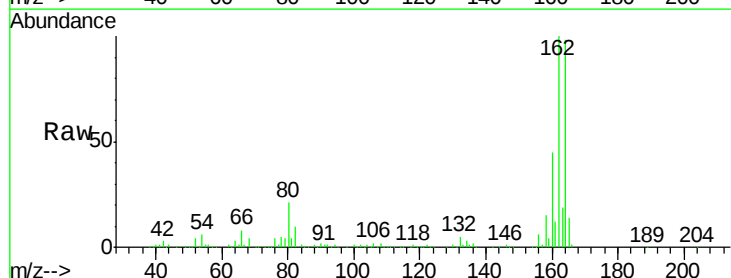
Tgt Ion: 164 Resp: 321797

Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

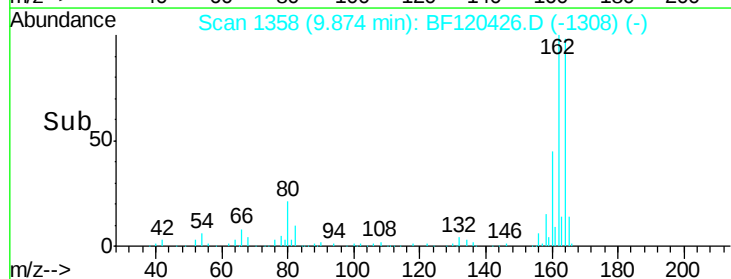
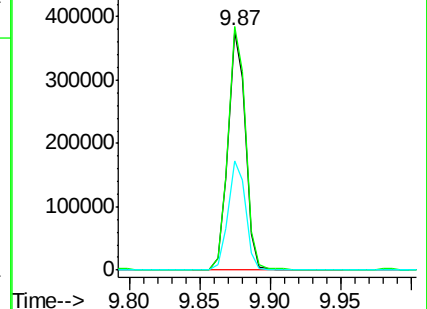
160 45.8 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 50.619 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

BNA_F

ClientSampleId :

NM29-COMP-2020-0-6

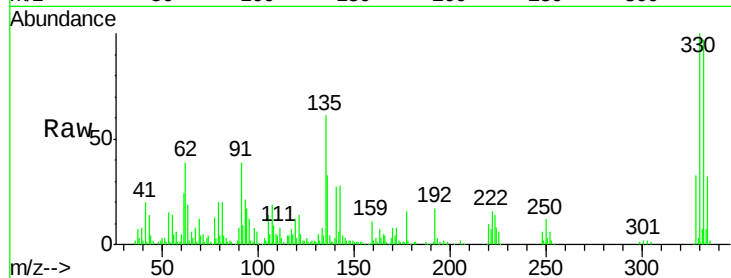
Tot Ion:330 Resp: 150925

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

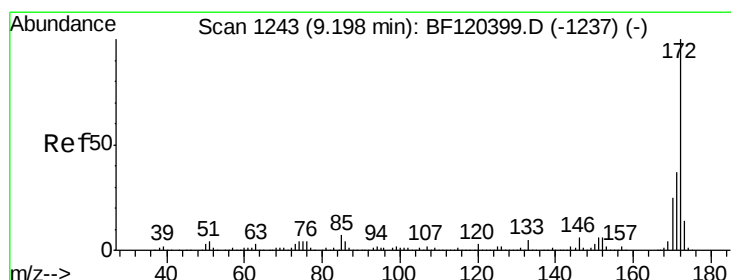
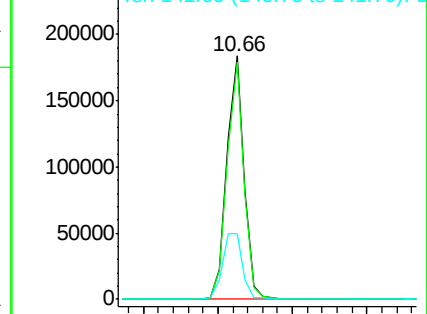
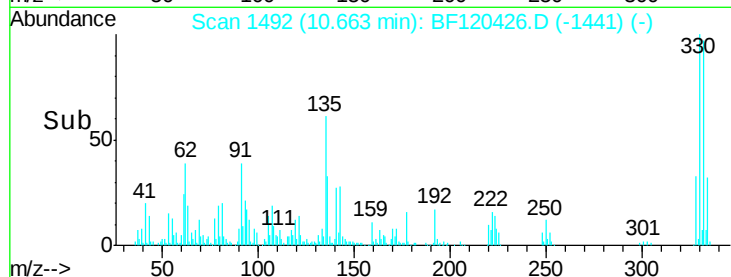
141 31.4 25.3 37.9



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: 42.033 ng

RT: 9.20 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

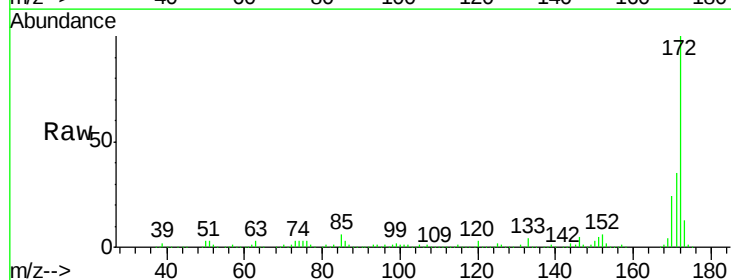
Tgt Ion:172 Resp: 797196

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

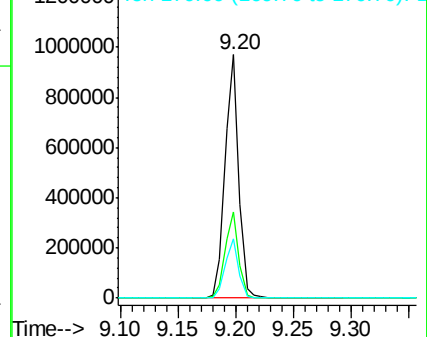
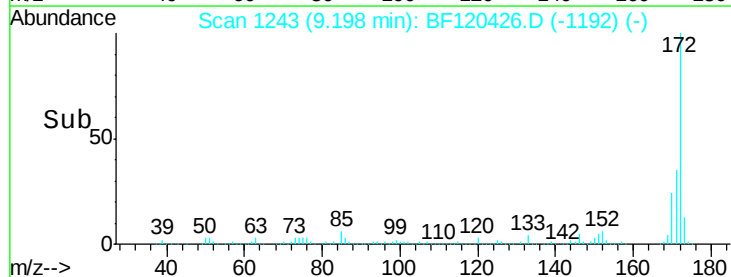
170 24.1 19.9 29.9

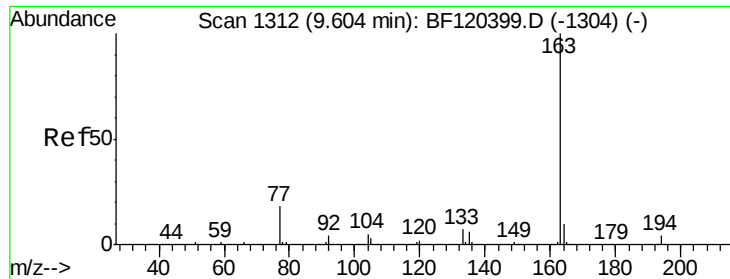


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

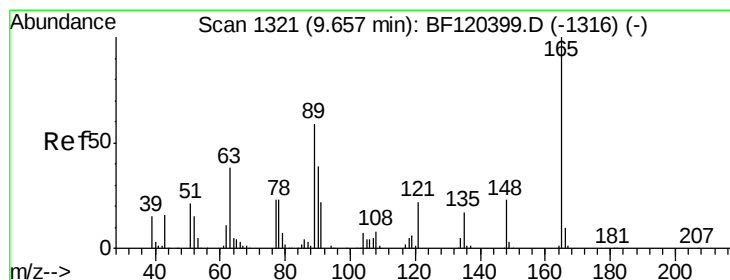
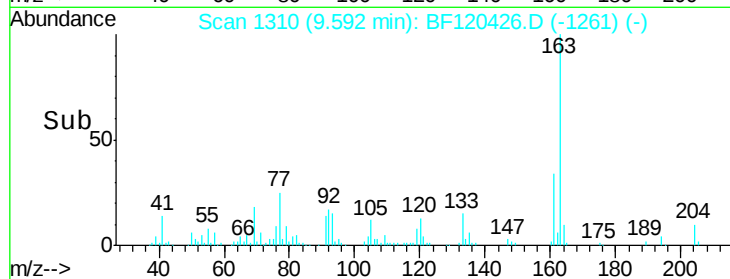
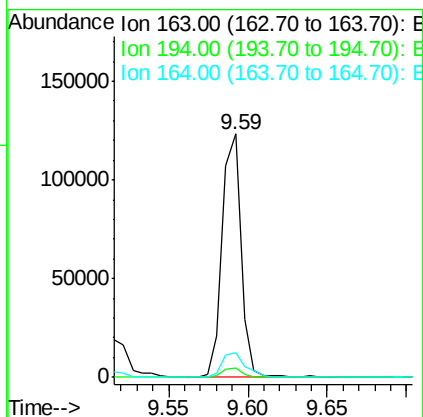
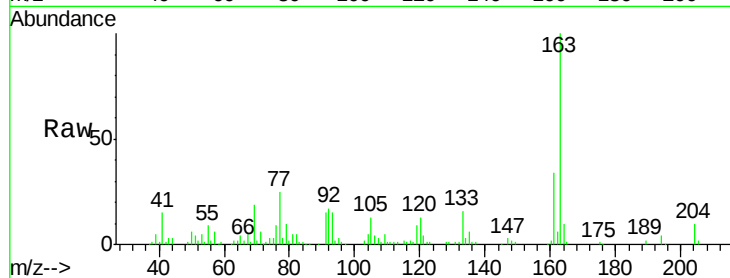




#50
Dimethylphthalate
Concen: 5.080 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

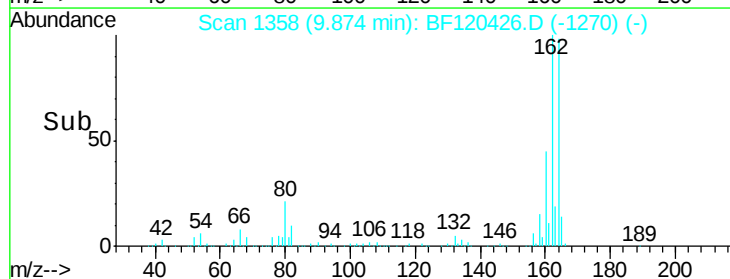
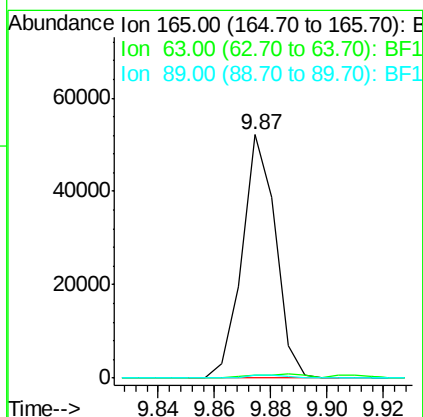
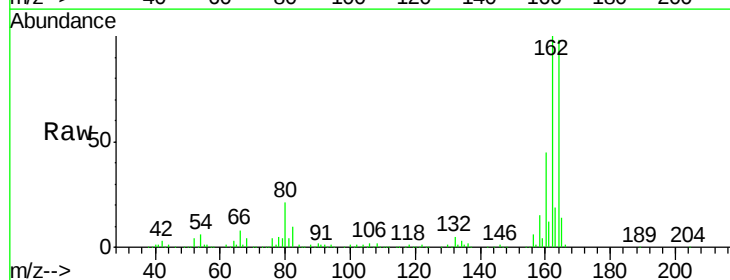
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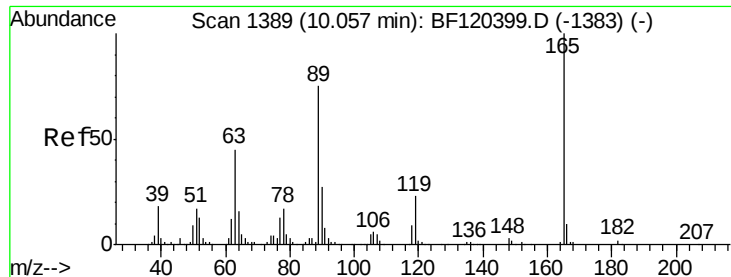
Tot Ion:163 Resp: 102196
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.4 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 9.571 ng
RT: 9.87 min Scan# 1358
Delta R.T. 0.22 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

Tgt Ion:165 Resp: 42792
Ion Ratio Lower Upper
165 100
63 1.4 46.9 70.3#
89 1.2 47.5 71.3#

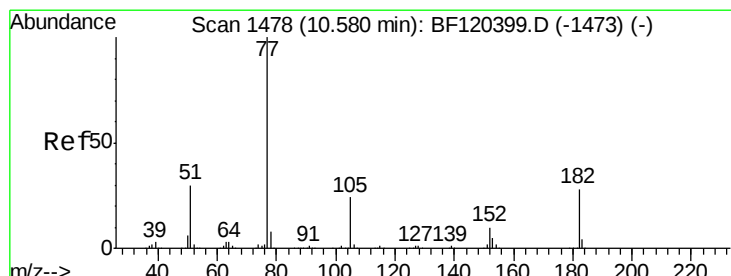
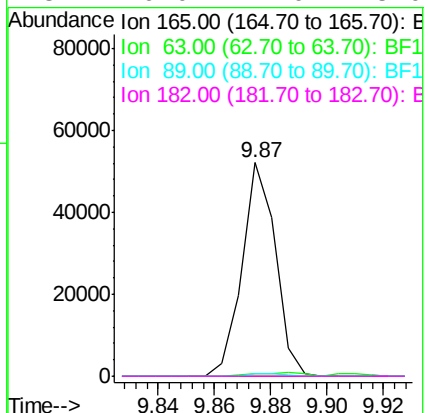
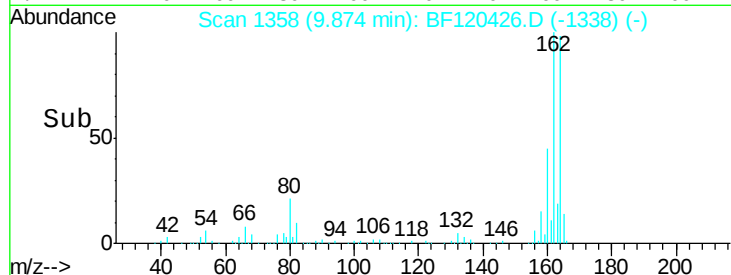
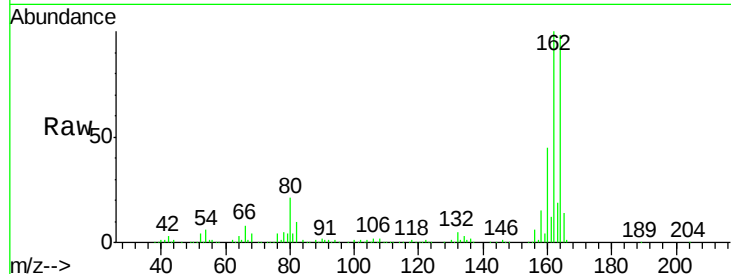




#57
 2,4-Dinitrotoluene
 Concen: 7.479 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.18 min
 Lab File: BF120426.D
 Acq: 28 May 2020 23:49

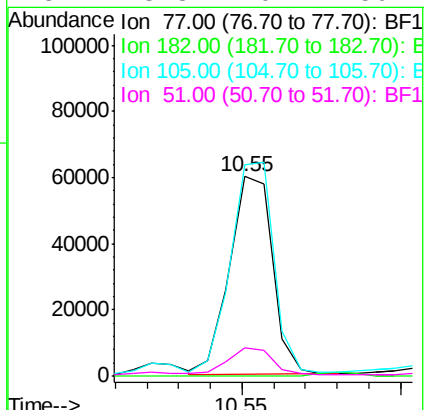
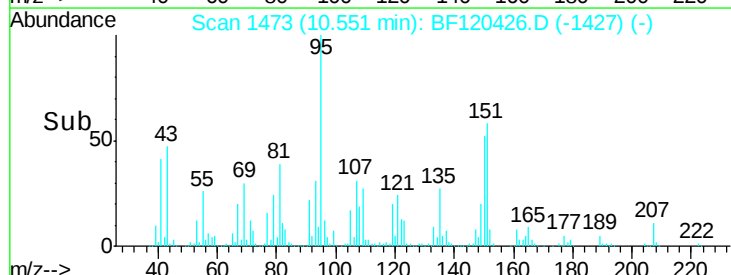
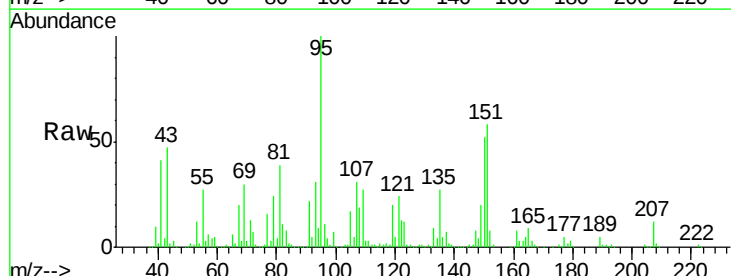
Instrument :
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 NM29-COMP-2020-0-6

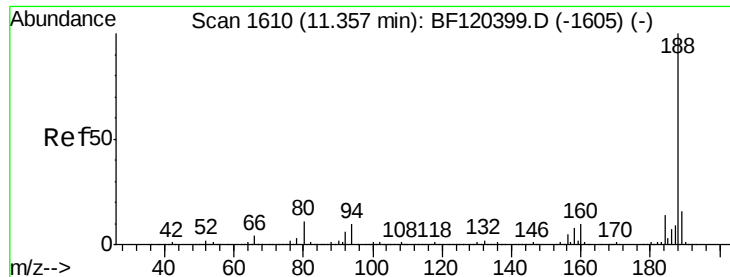
Tot Ion:	165	Resp:	42792
Ion Ratio	Lower	Upper	
165	100		
63	1.4	35.9	53.9#
89	1.2	60.0	90.0#
182	0.0	2.0	3.0#



#63
 Azobenzene
 Concen: 2.937 ng
 RT: 10.55 min Scan# 1473
 Delta R.T. -0.03 min
 Lab File: BF120426.D
 Acq: 28 May 2020 23:49

Tgt Ion:	77	Resp:	56165
Ion Ratio	Lower	Upper	
77	100		
182	0.0	8.1	48.1#
105	105.9	3.8	43.8#
51	13.8	10.1	50.1

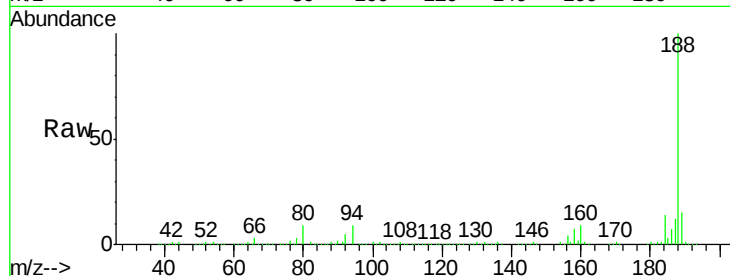




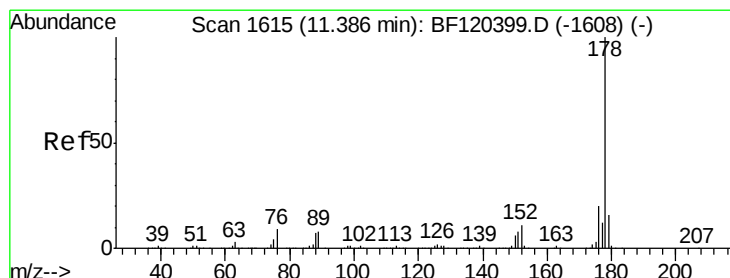
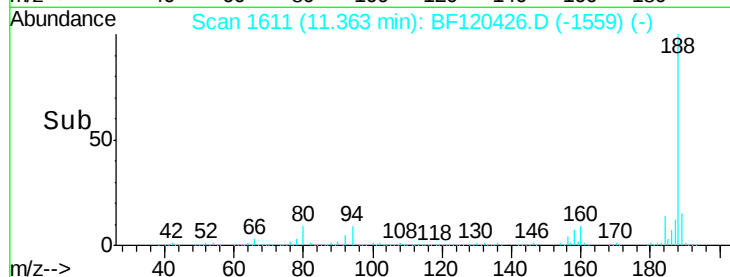
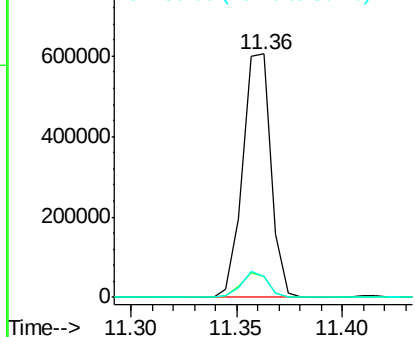
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

Instrument :
BNA_F
ClientSampleId :
NM29-COMP-2020-0-6

Tot Ion:188 Resp: 561882
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 8.6 8.6 13.0#

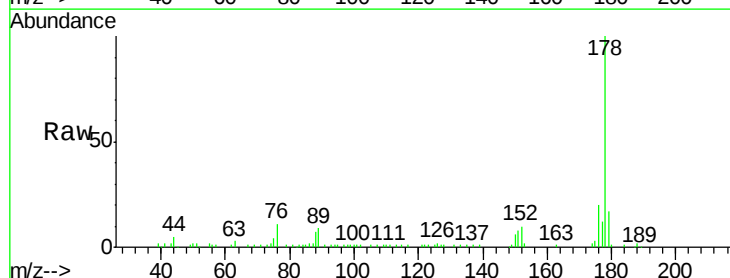


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

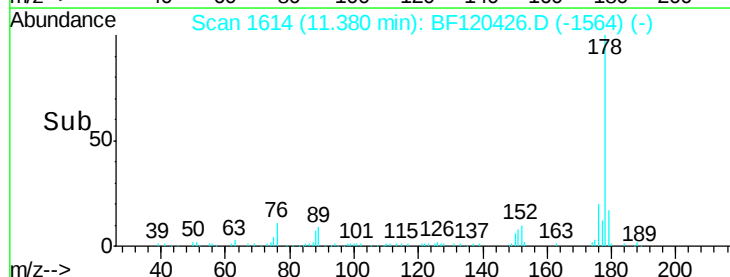
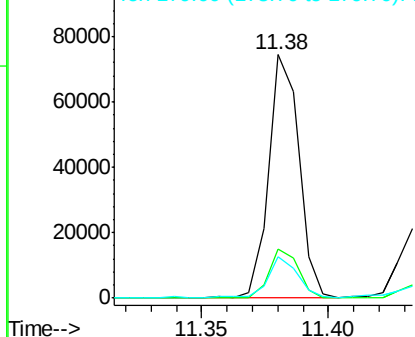


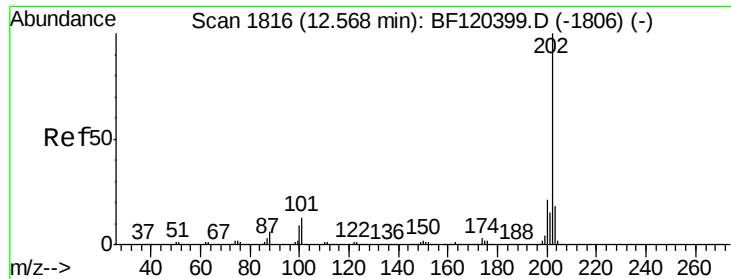
#71
Phenanthrene
Concen: 2.486 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

Tgt Ion:178 Resp: 61548
Ion Ratio Lower Upper
178 100
176 20.4 16.4 24.6
179 16.8 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: 5.281 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

BNA_F

ClientSampleId :

NM29-COMP-2020-0-6

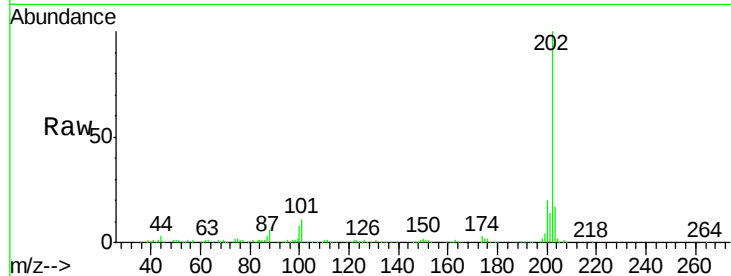
Tot Ion:202 Resp: 140689

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.6

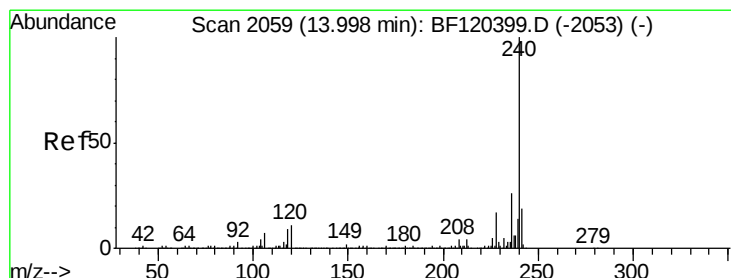
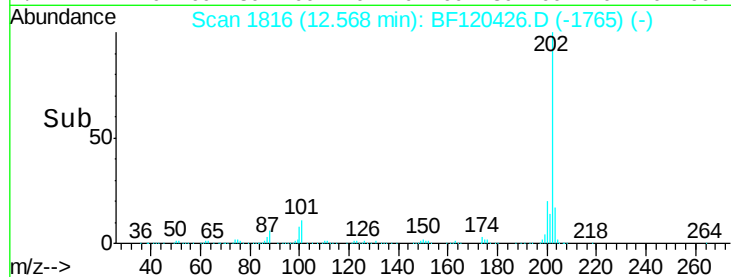
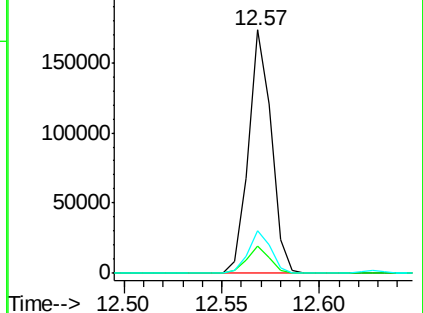
203 17.4 0.0 38.4



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: 14.00 min Scan# 2059

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

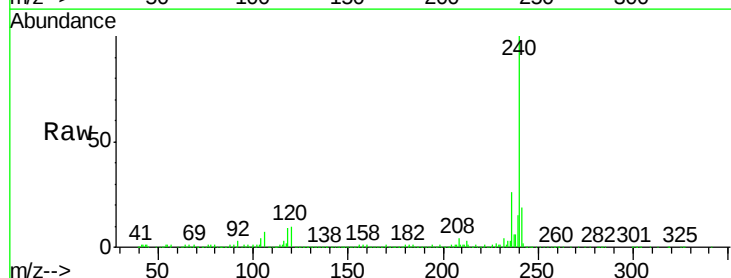
Tgt Ion:240 Resp: 510895

Ion Ratio Lower Upper

240 100

120 10.2 8.8 13.2

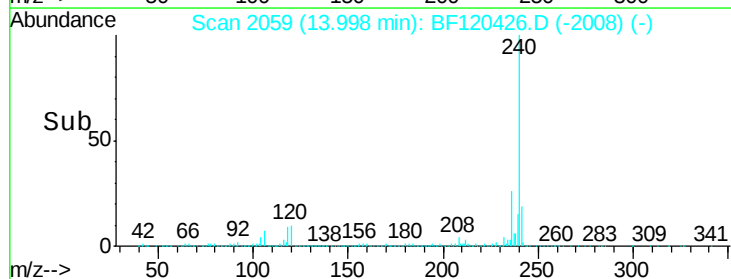
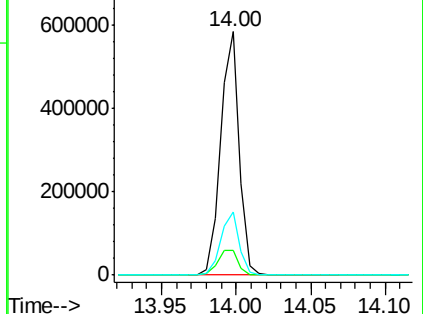
236 26.0 21.0 31.4

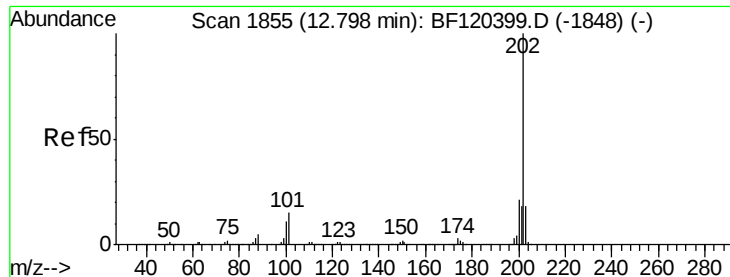


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.662 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

BNA_F

ClientSampleId :

NM29-COMP-2020-0-6

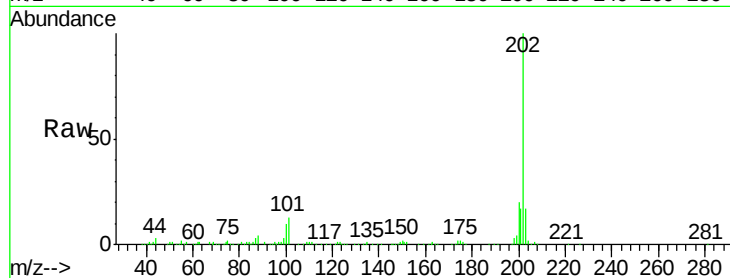
Tot Ion:202 Resp: 130126

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

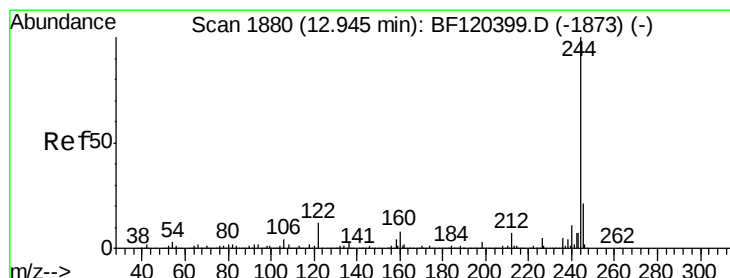
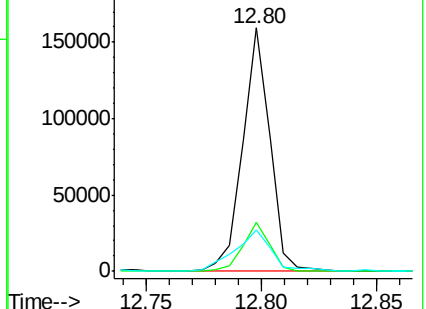
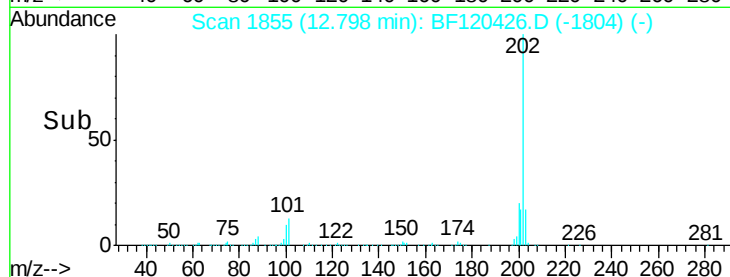
203 16.9 14.7 22.1



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: 35.144 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

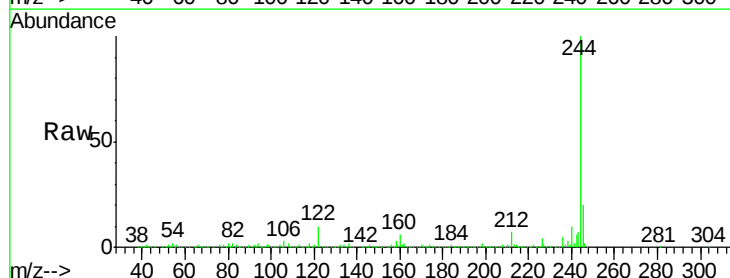
Tgt Ion:244 Resp: 806881

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

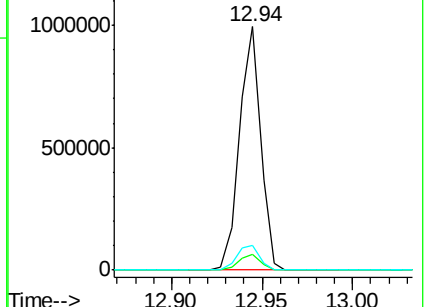
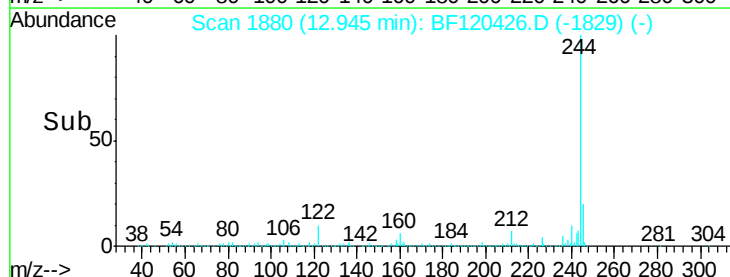
122 10.4 9.2 13.8

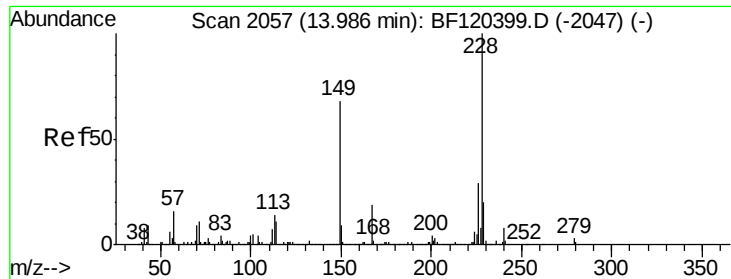


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

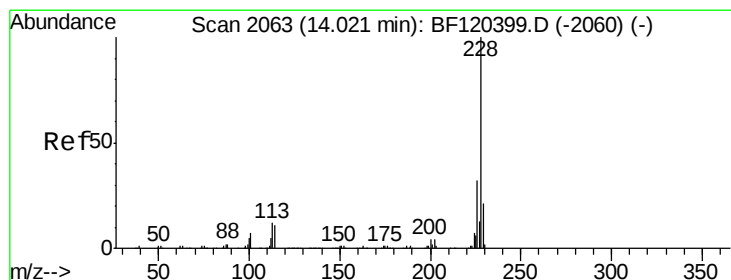
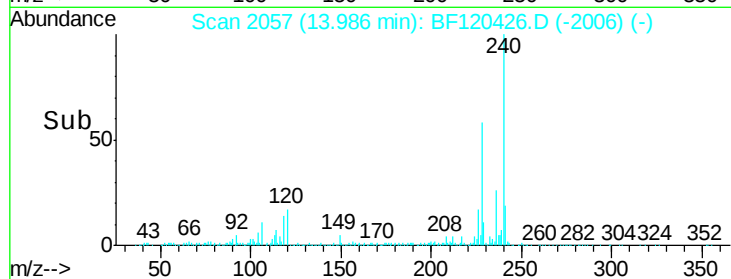
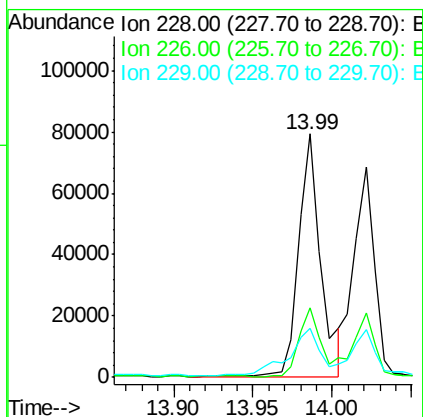
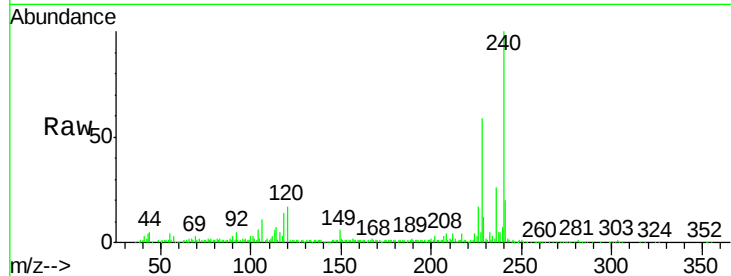




#81
Benzo(a)anthracene
Concen: 2.855 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

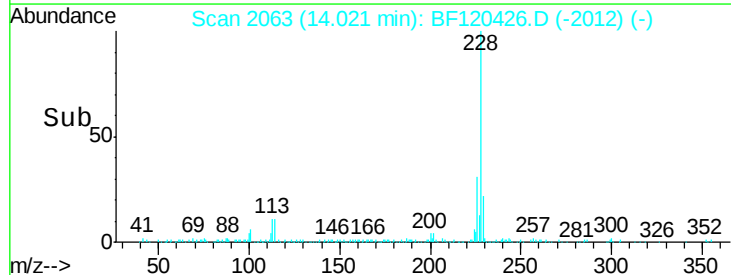
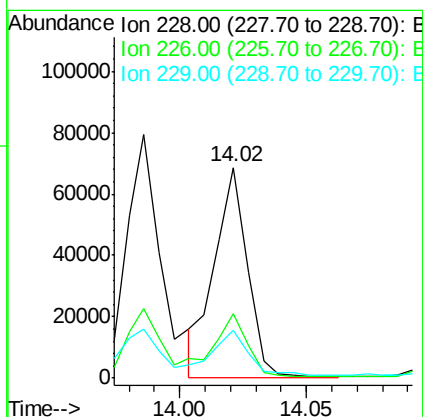
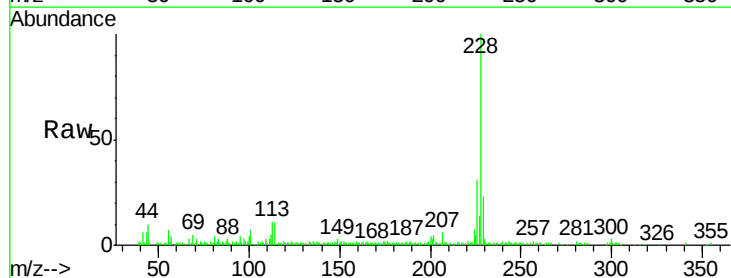
Instrument :
BNA_F
ClientSampleId :
NM29-COMP-2020-0-6

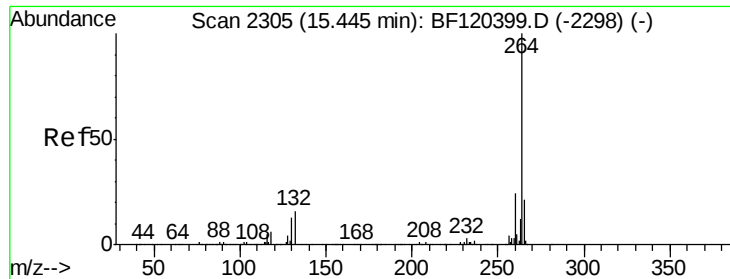
Tot Ion:228 Resp: 78172
Ion Ratio Lower Upper
228 100
226 28.7 23.0 34.4
229 20.2 16.2 24.4



#83
Chrysene
Concen: 2.152 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.00 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

Tgt Ion:228 Resp: 61785
Ion Ratio Lower Upper
228 100
226 30.9 25.6 38.4
229 22.9 16.6 25.0



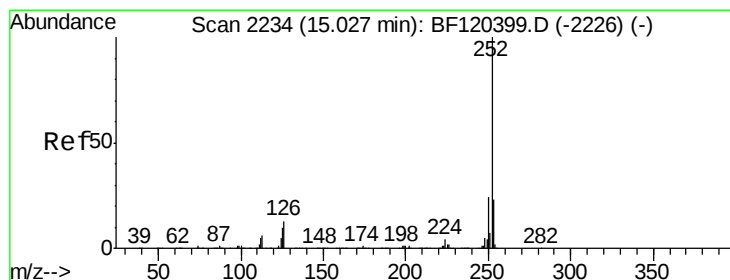
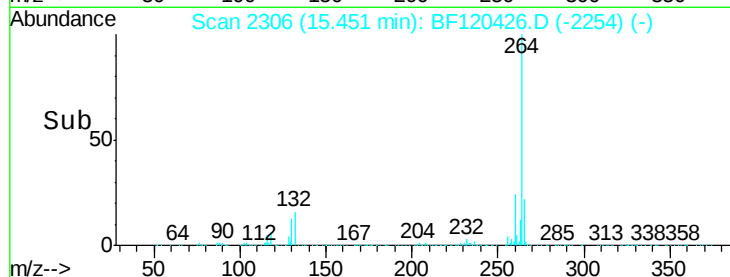
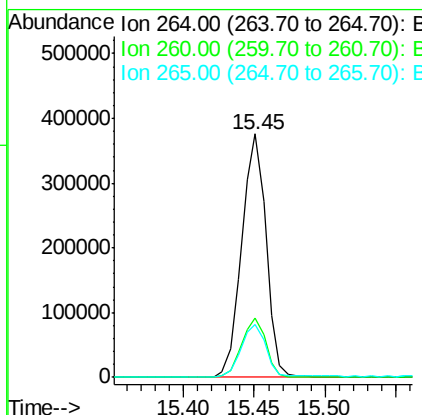
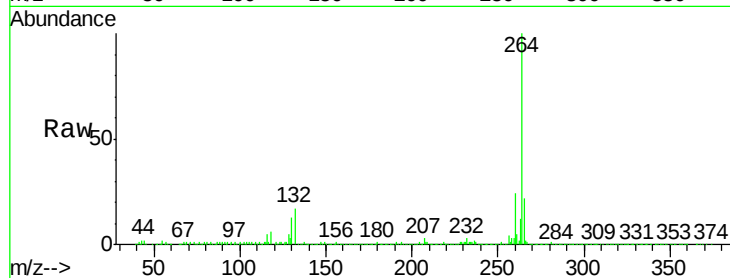


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

Instrument :
BNA_F
ClientSampleId :
NM29-COMP-2020-0-6

Tot Ion:264 Resp: 450218

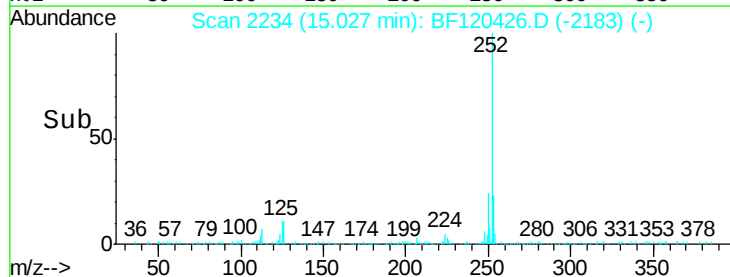
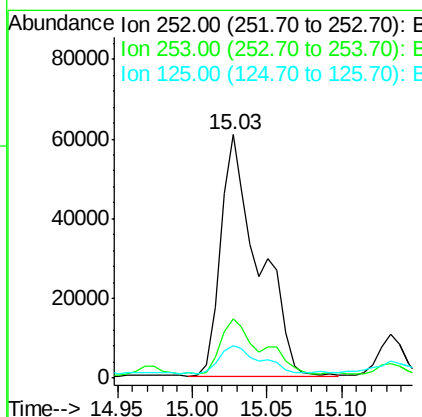
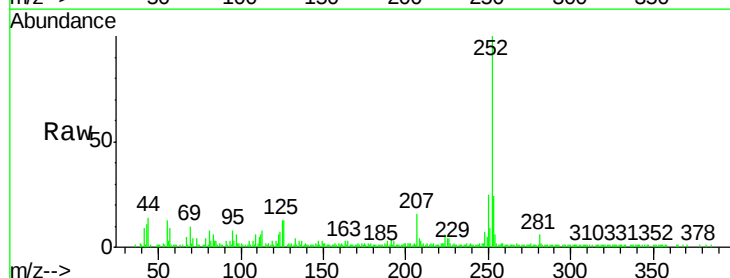
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.7	16.9	25.3

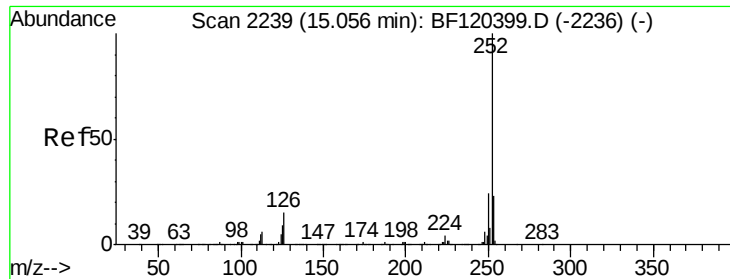


#88
Benzo(b)fluoranthene
Concen: 4.295 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF120426.D
Acq: 28 May 2020 23:49

Tgt Ion:252 Resp: 107406

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	13.2	7.8	11.8





#89

Benzo(k)fluoranthene

Concen: 4.601 ng

RT: 15.03 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

Instrument :

BNA_F

ClientSampleId :

NM29-COMP-2020-0-6

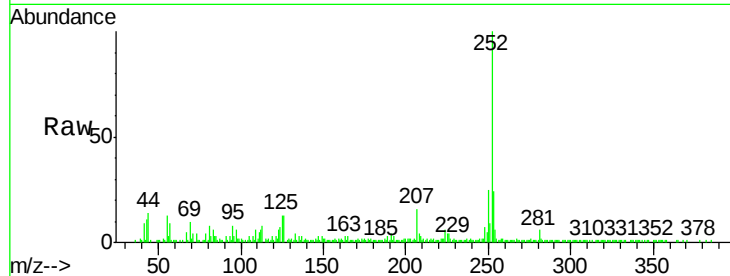
Tot Ion:252 Resp: 107406

Ion Ratio Lower Upper

252 100

253 24.5 18.5 27.7

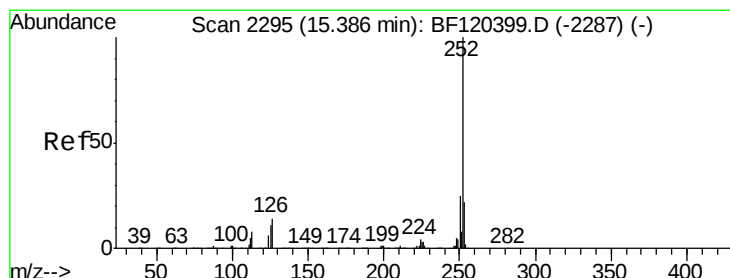
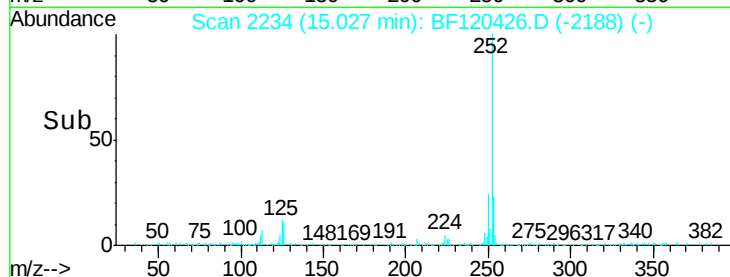
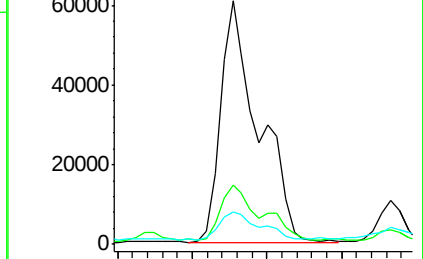
125 13.2 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 2.558 ng

RT: 15.39 min Scan# 2295

Delta R.T. -0.00 min

Lab File: BF120426.D

Acq: 28 May 2020 23:49

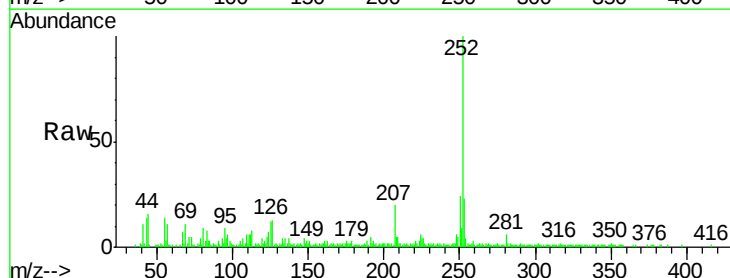
Tgt Ion:252 Resp: 55943

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 11.5 8.7 13.1



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

