

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120475.D
 Acq On : 1 Jun 2020 17:06
 Operator : JU/CG
 Sample : L2773-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM61-COMP-2020-0-6

Quant Time: Jun 01 18:47:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	243201	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	880831	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	418045	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	700270	20.00	ng	0.00
76) Chrysene-d12	14.00	240	520607	20.00	ng	0.00
86) Perylene-d12	15.46	264	528604	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1075202	84.25	ng	0.00
7) Phenol-d6	6.47	99	1361480	86.56	ng	0.00
23) Nitrobenzene-d5	7.40	82	884535	65.69	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	354637	91.56	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1599776	64.93	ng	0.00
79) Terphenyl-d14	12.95	244	1479768	63.25	ng	0.00

Target Compounds

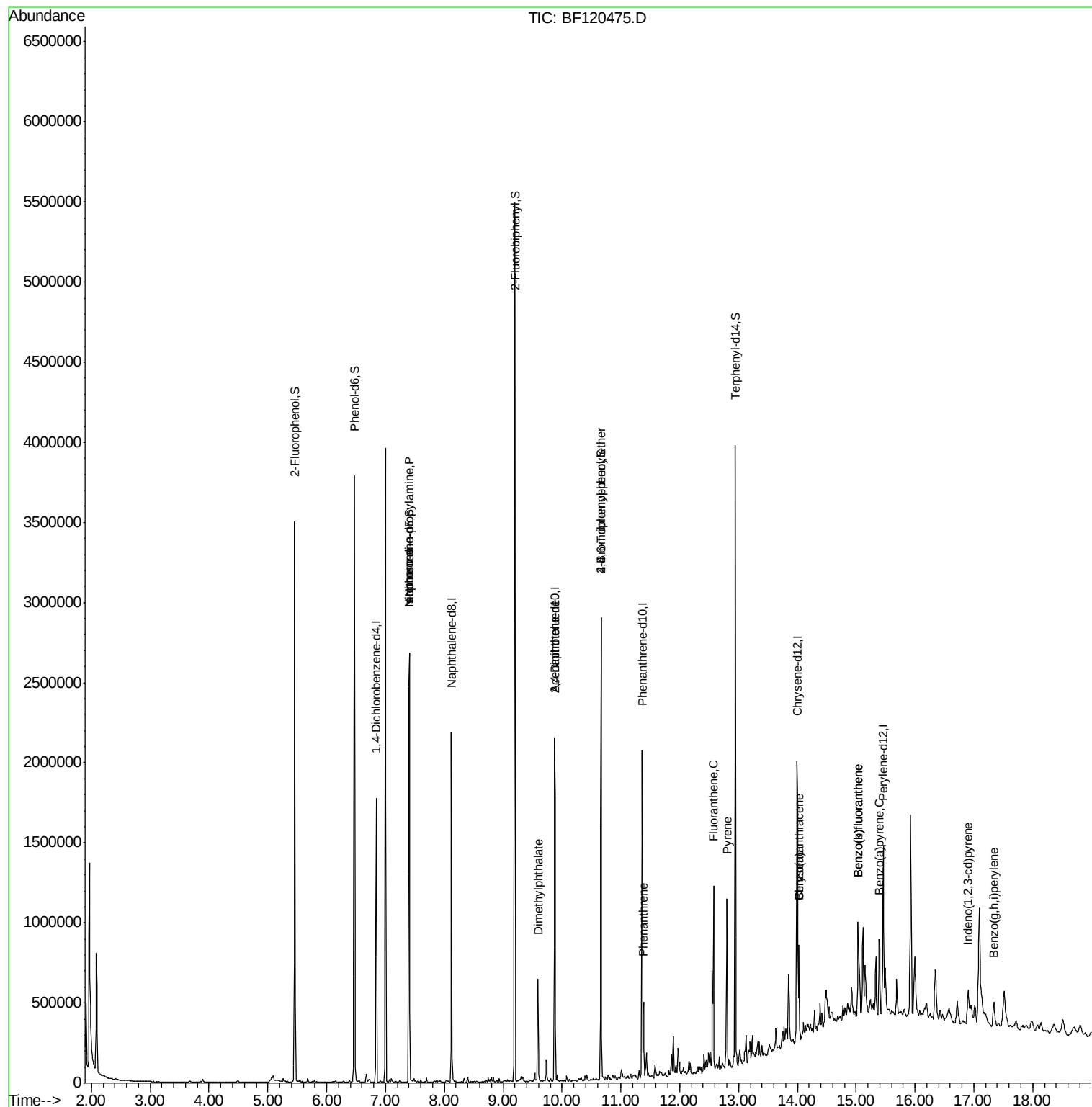
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	120461	12.048	ng	# 75
25) Isophorone	7.40	82	880536	32.535	ng	# 64
50) Dimethylphthalate	9.59	163	259466	9.928	ng	99
57) 2,4-Dinitrotoluene	9.87	165	54510	7.333	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	21297	3.013	ng	# 1
71) Phenanthrene	11.39	178	161529	5.235	ng	98
75) Fluoranthene	12.57	202	422650	12.730	ng	97
78) Pyrene	12.80	202	416387	11.501	ng	96
81) Benzo(a)anthracene	14.03	228	251957	9.030	ng	98
83) Chrysene	14.03	228	251957	8.614	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	135097	4.673	ng	# 94
88) Benzo(b)fluoranthene	15.03	252	440168	14.992	ng	97
89) Benzo(k)fluoranthene	15.03	252	440168	16.059	ng	98
90) Benzo(a)pyrene	15.39	252	226189	8.807	ng	97
92) Benzo(a,h,i)perylene	17.34	276	121981	5.247	ng	98

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

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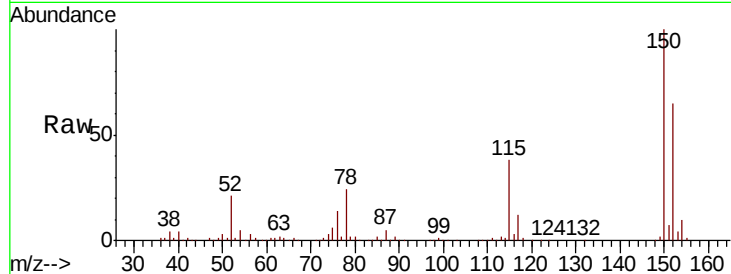


#1

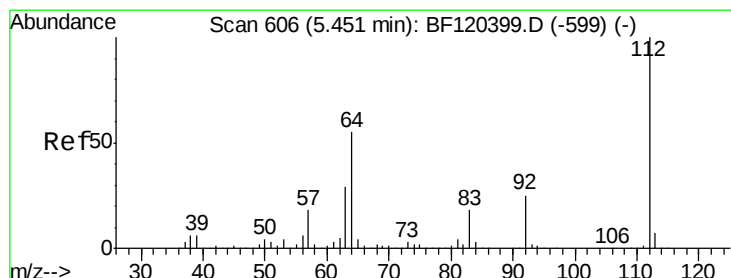
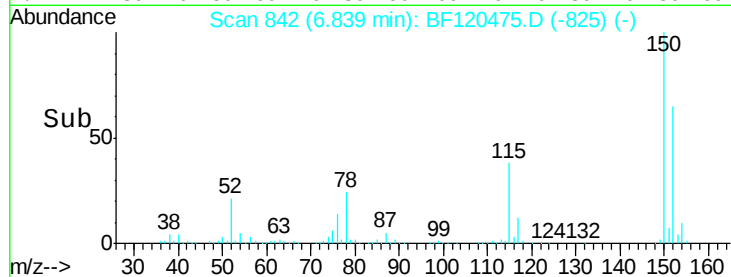
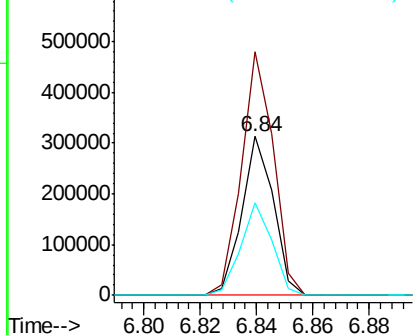
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

Instrument :
BNA_F
ClientSampleId :
NM61-COMP-2020-0-6

Tot Ion:152 Resp: 243201
Ion Ratio Lower Upper
152 100
150 153.4 126.5 189.7
115 58.3 47.6 71.4



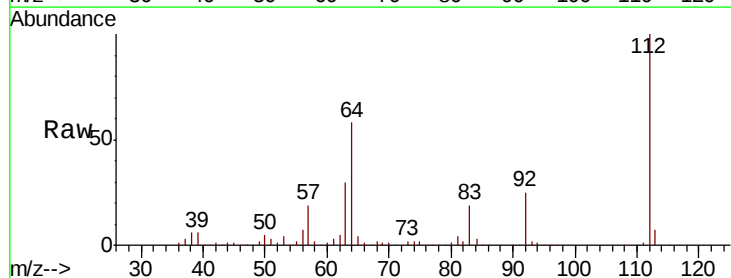
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



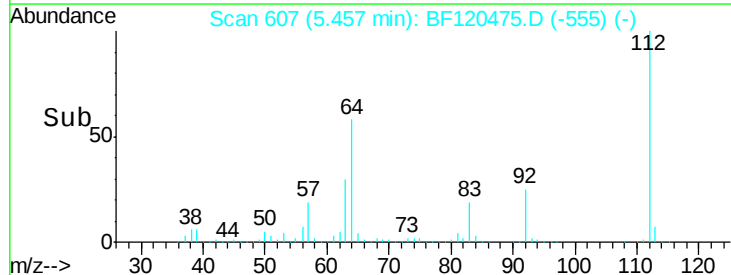
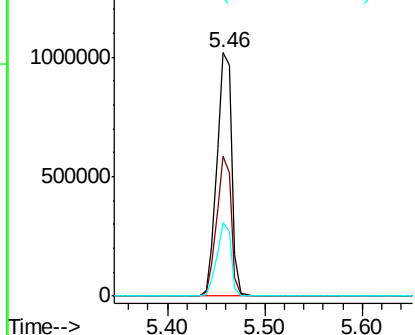
#5

2-Fluorophenol
Concen: 84.254 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

Tgt Ion:112 Resp: 1075202
Ion Ratio Lower Upper
112 100
64 57.5 44.3 66.5
63 30.1 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: 86.556 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

Instrument :

BNA_F

ClientSampleId :

NM61-COMP-2020-0-6

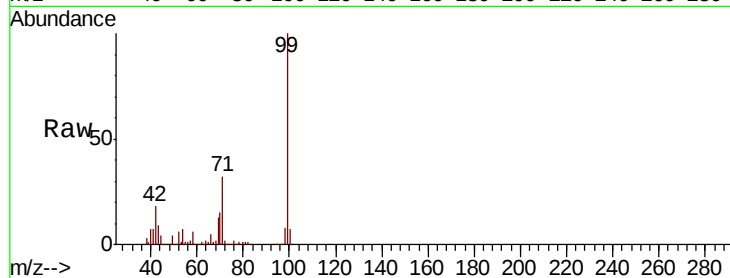
Tot Ion: 99 Resp: 1361480

Ion Ratio Lower Upper

99 100

42 18.3 15.2 22.8

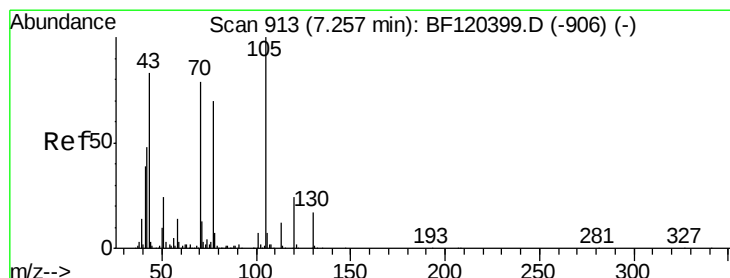
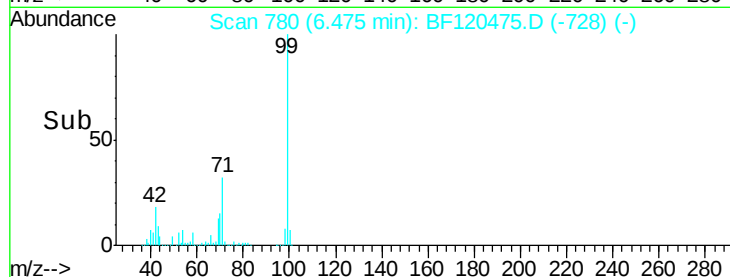
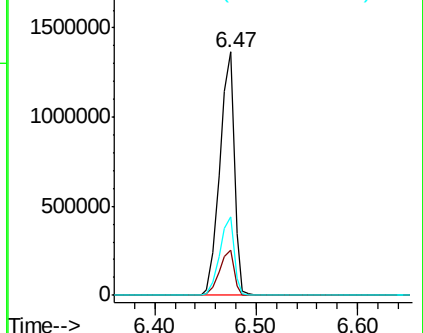
71 32.5 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.048 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

Tgt Ion: 70 Resp: 120461

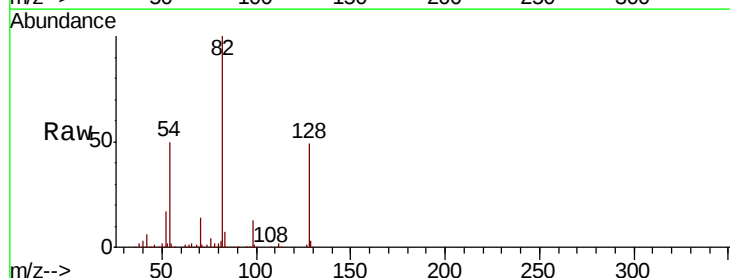
Ion Ratio Lower Upper

70 100

42 45.7 48.9 73.3#

101 0.0 7.4 11.2#

130 2.7 16.8 25.2#

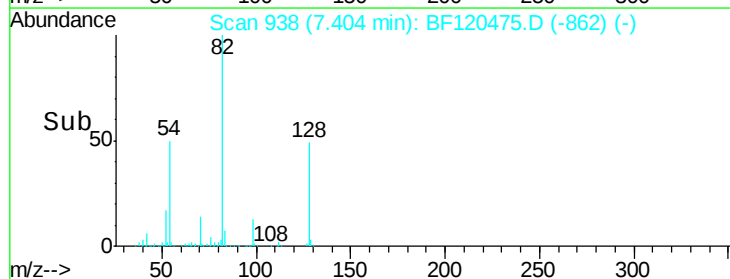
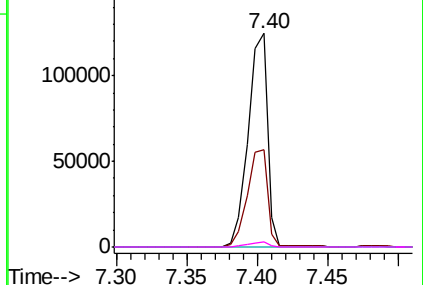


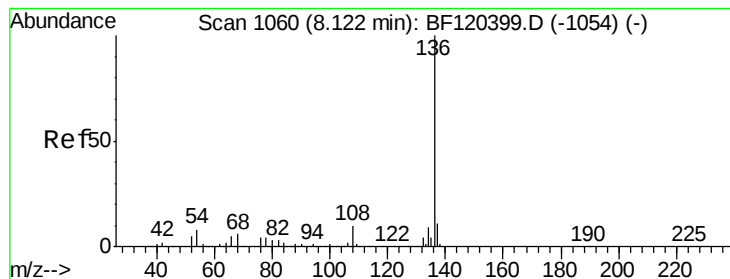
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

Instrument :

BNA_F

ClientSampleId :

NM61-COMP-2020-0-6

Tot Ion:136 Resp: 880831

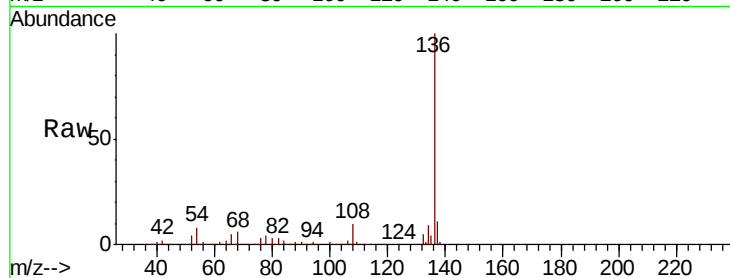
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.7 6.7 10.1

68 6.1 5.0 7.4

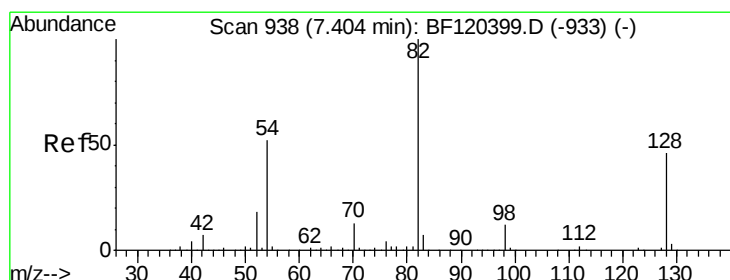
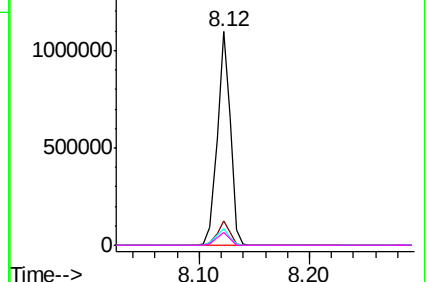
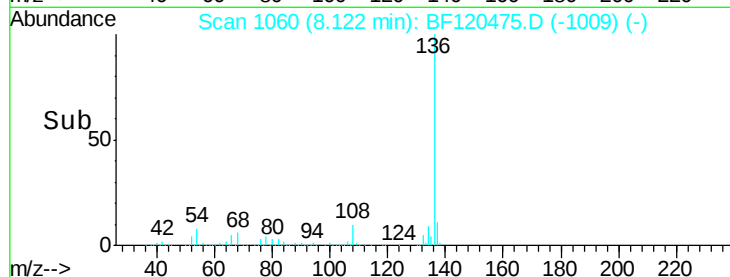


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.688 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

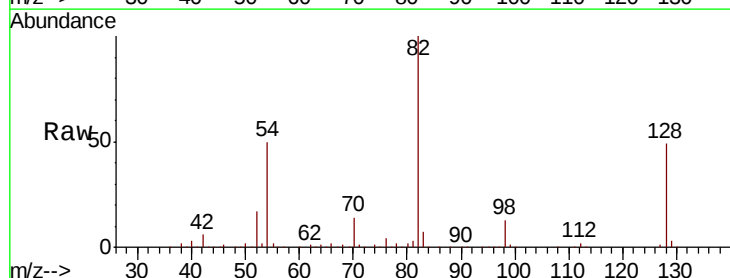
Tgt Ion: 82 Resp: 884535

Ion Ratio Lower Upper

82 100

128 48.8 36.8 55.2

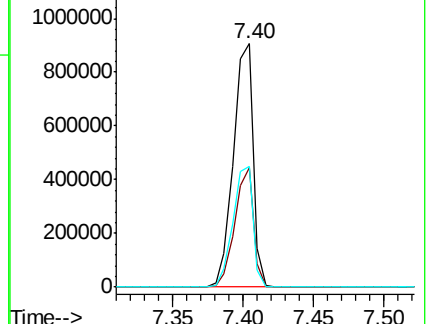
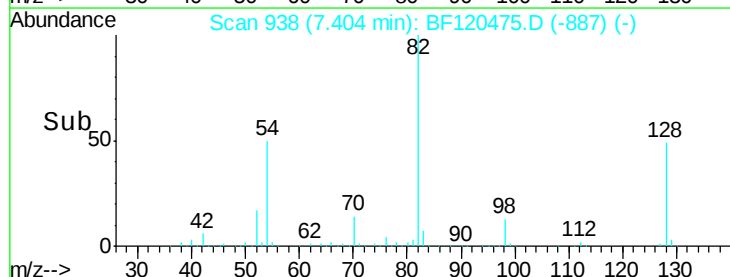
54 49.8 41.6 62.4



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: 32.535 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120475.D

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NM61-COMP-2020-0-6

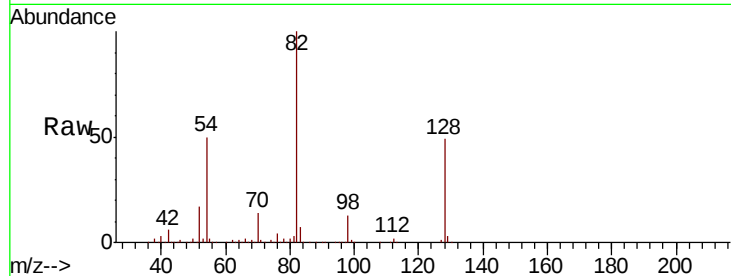
Tot Ion: 82 Resp: 880536

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

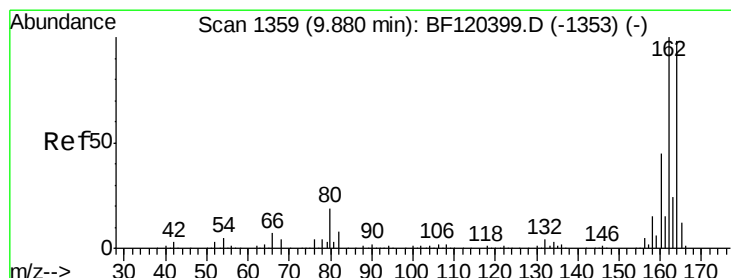
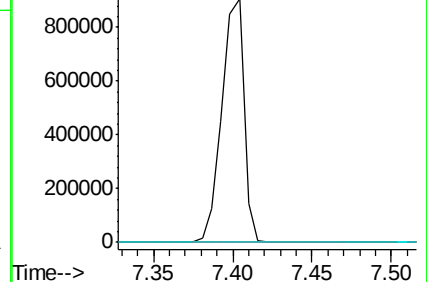
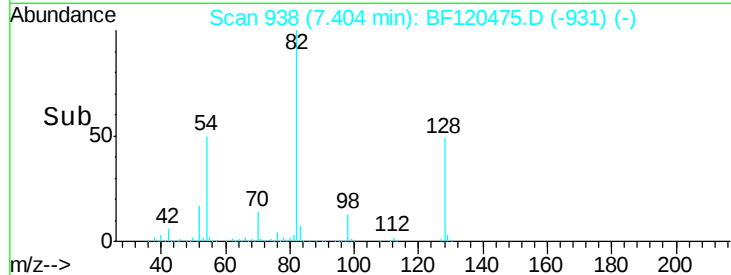
138 0.0 15.0 22.4#



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. 0.00 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

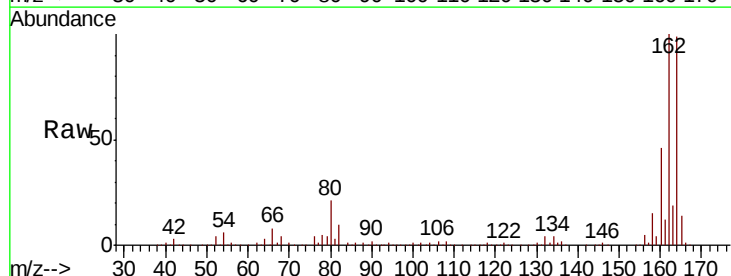
Tgt Ion:164 Resp: 418045

Ion Ratio Lower Upper

164 100

162 100.9 81.3 121.9

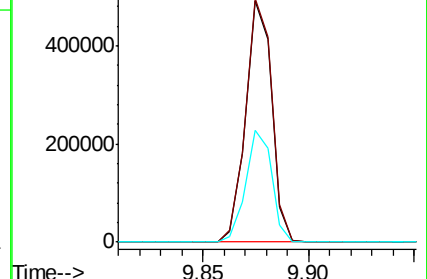
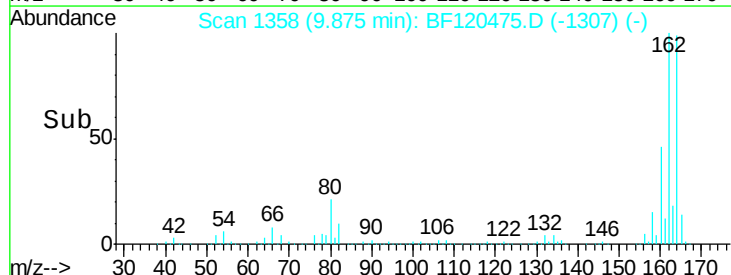
160 46.1 36.9 55.3



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

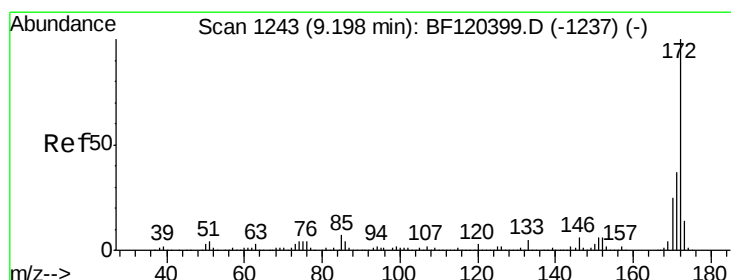
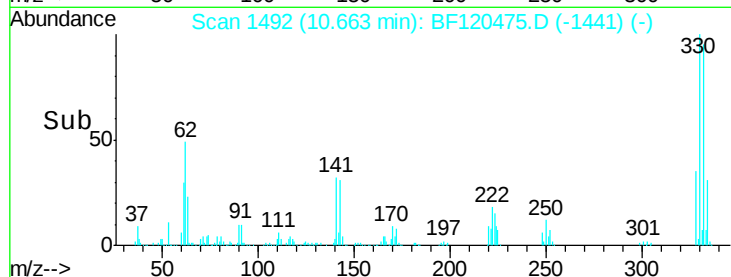
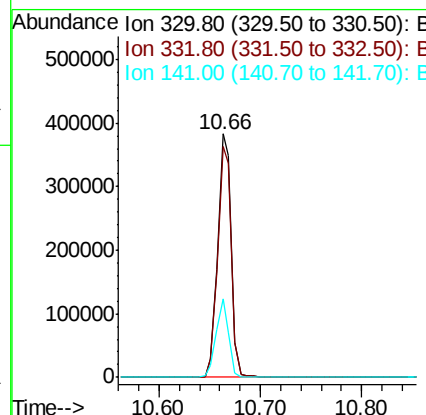
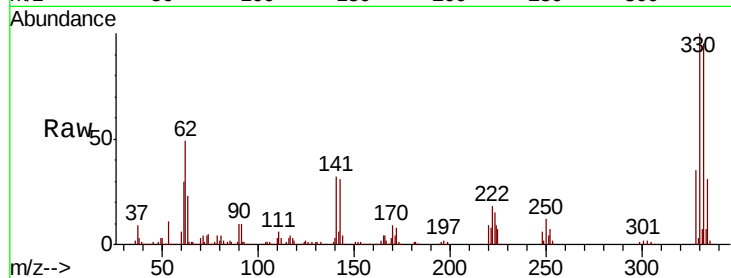




#42
 2,4,6-Tribromophenol
 Concen: 91.558 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120475.D
 Acq: 1 Jun 2020 17:06

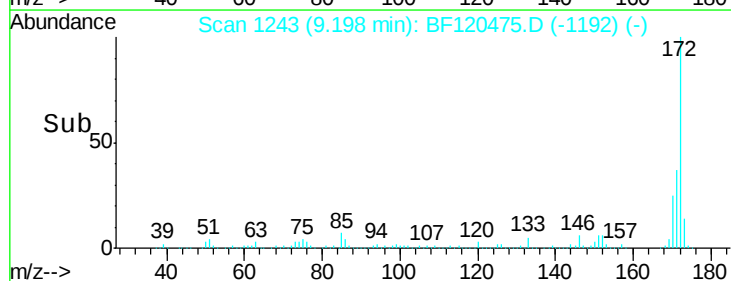
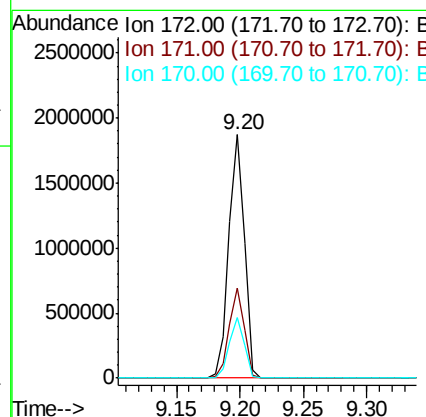
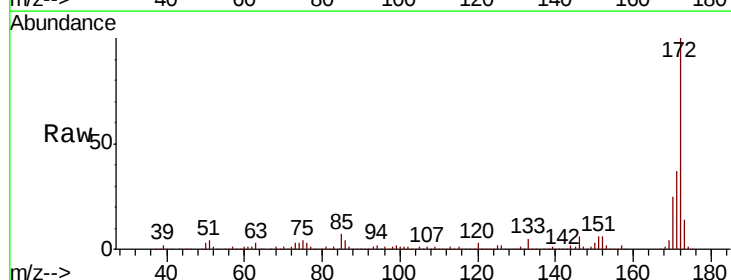
Instrument :
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 NM61-COMP-2020-0-6

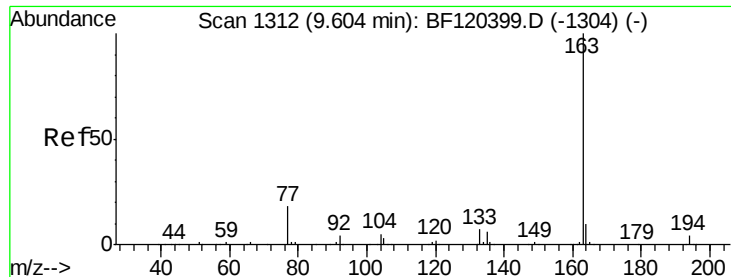
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	30.0	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 64.929 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120475.D
 Acq: 1 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.7	19.9	29.9

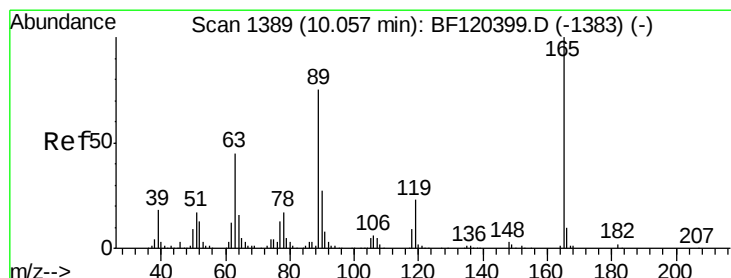
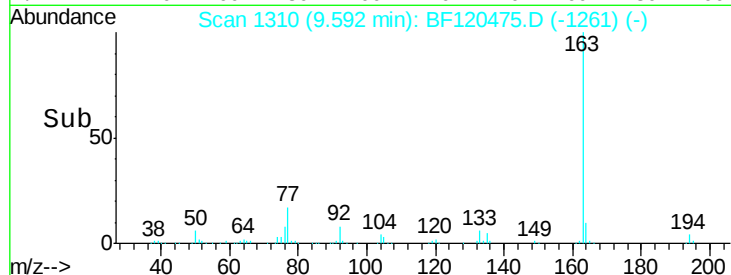
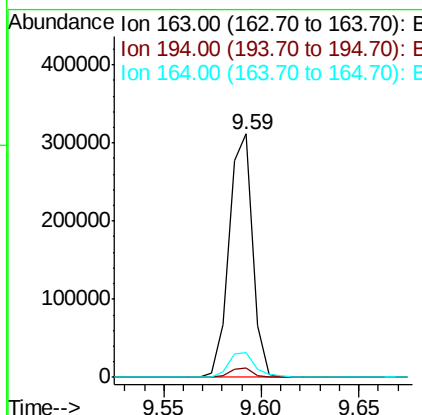
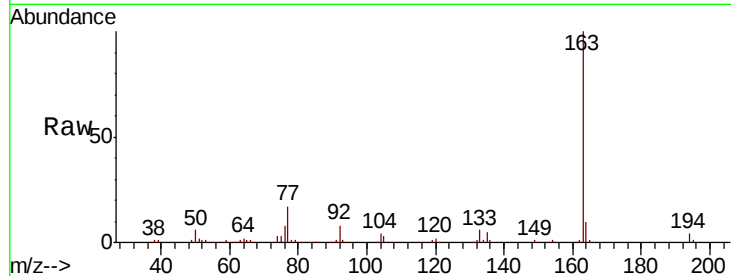




#50
Dimethylphthalate
Concen: 9.928 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

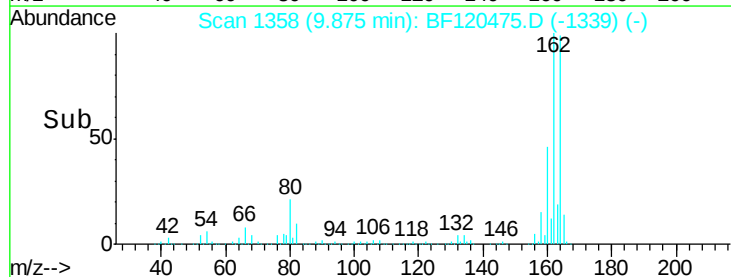
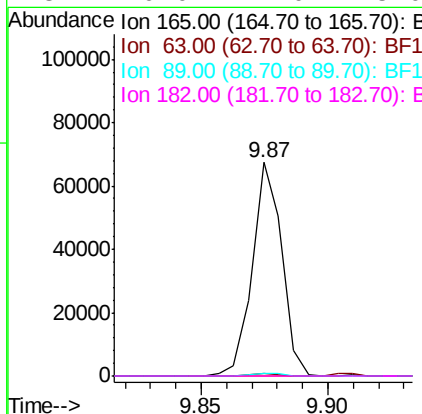
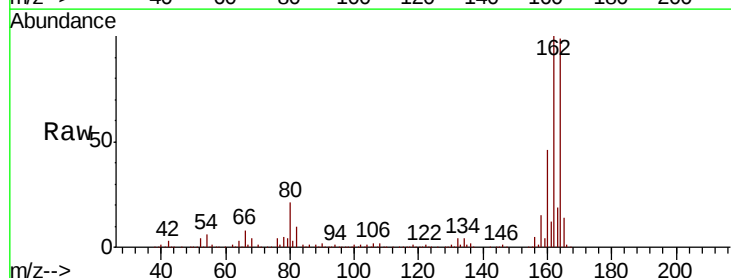
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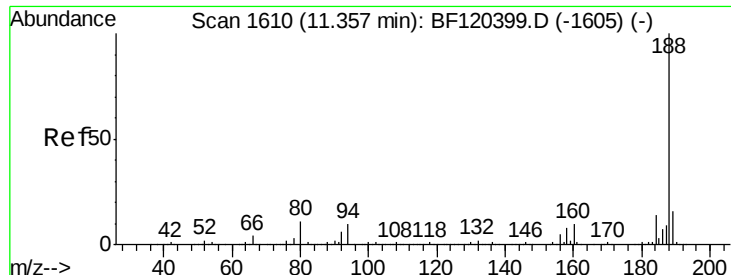
Tot Ion:163	Resp:	259466
Ion Ratio	Lower	Upper
163	100	
194	4.1	3.3 4.9
164	10.1	8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.333 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

Tgt Ion:165	Resp:	54510
Ion Ratio	Lower	Upper
165	100	
63	1.4	35.9 53.9#
89	1.0	60.0 90.0#
182	0.0	2.0 3.0#

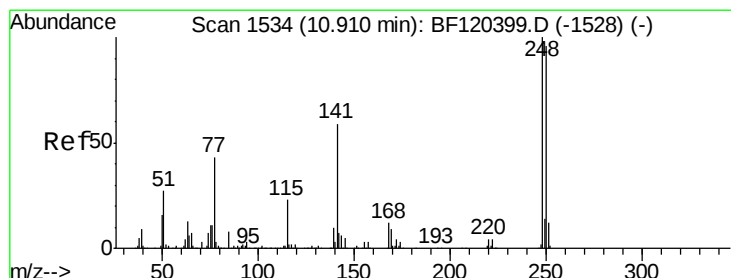
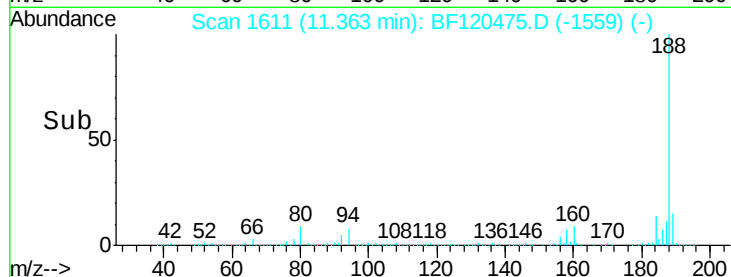
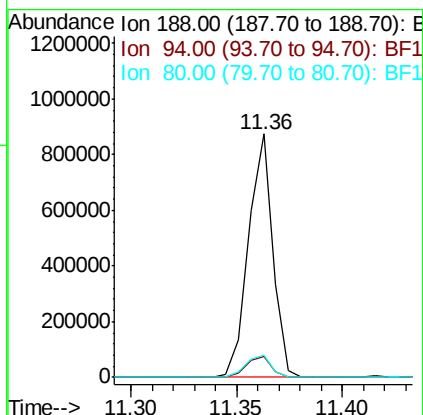
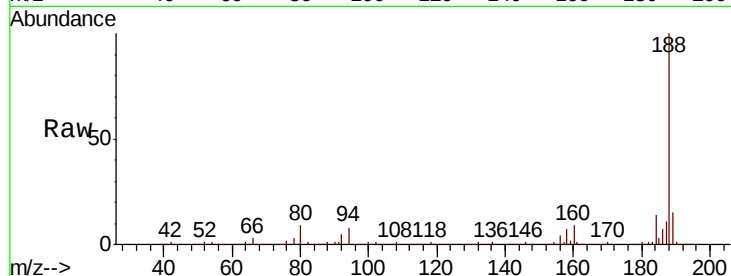




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF120475.D
 Acq: 1 Jun 2020 17:06

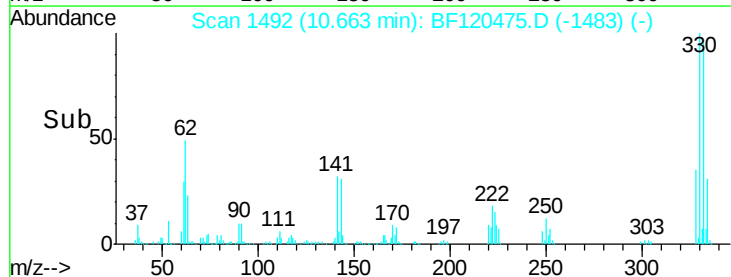
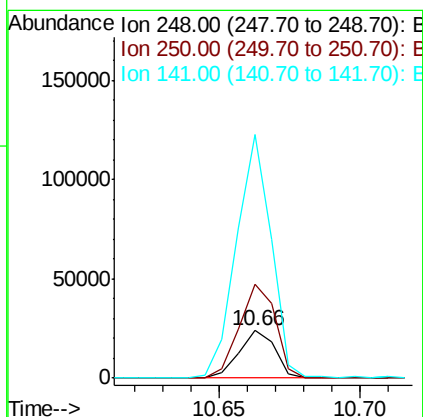
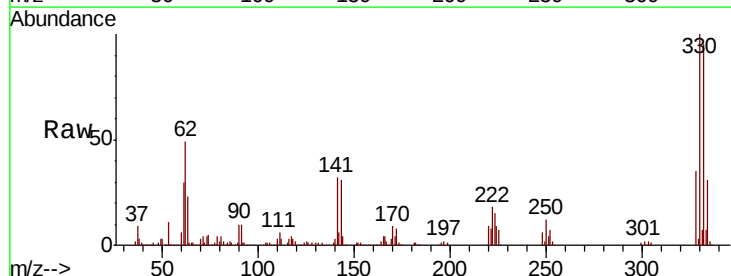
Instrument :
 BNA_F
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 NM61-COMP-2020-0-6

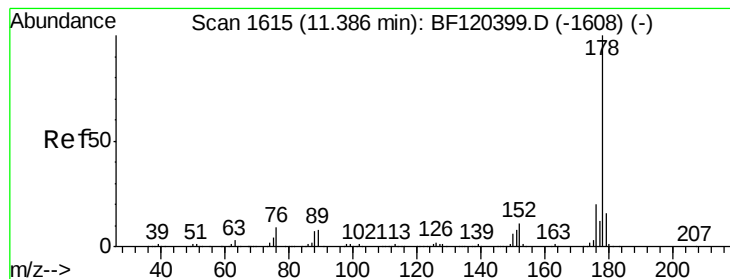
Tot Ion:188 Resp: 700270
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.9 11.9
 80 9.2 8.6 13.0



#67
 4-Bromophenyl-phenylether
 Concen: 3.013 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120475.D
 Acq: 1 Jun 2020 17:06

Tgt Ion:248 Resp: 21297
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.5 114.7#
 141 510.7 47.2 70.8#





#71

Phenanthrene

Concen: 5.235 ng

RT: 11.39 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

Instrument :

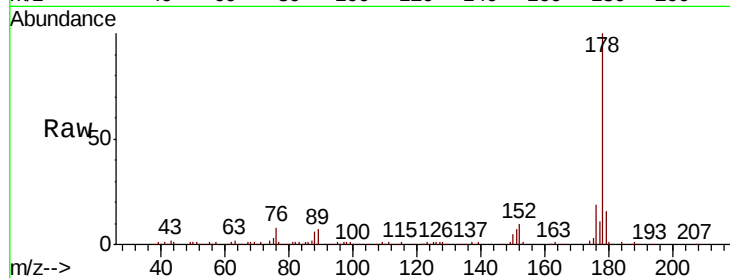
BNA_F

ClientSampleId :

NM61-COMP-2020-0-6

Tot Ion:178 Resp: 161529

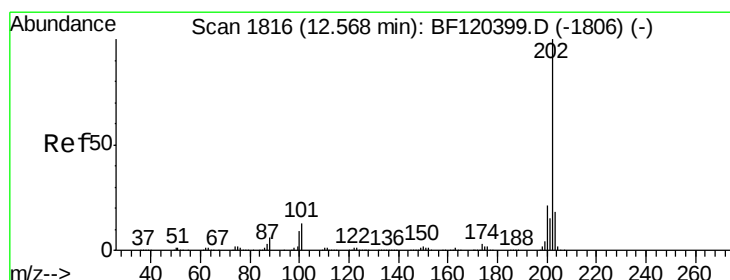
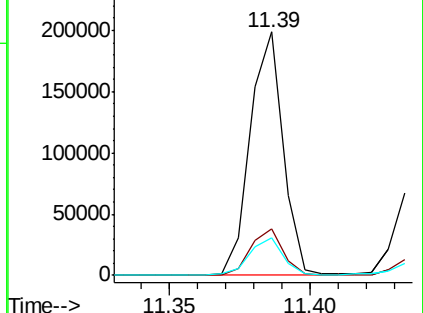
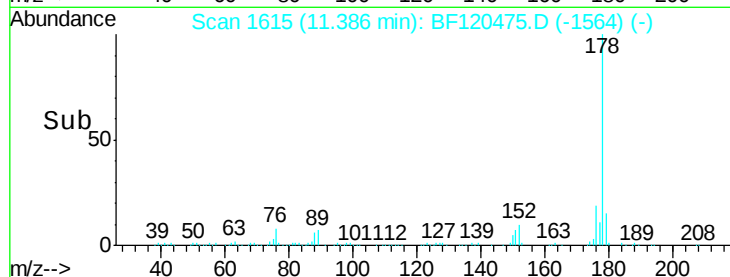
Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.4	24.6
179	15.7	13.0	19.4



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: 12.730 ng

RT: 12.57 min Scan# 1817

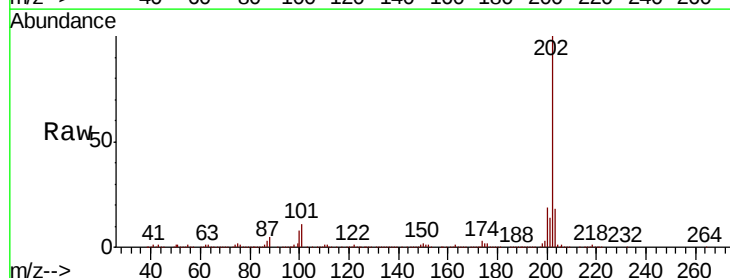
Delta R.T. 0.00 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

Tgt Ion:202 Resp: 422650

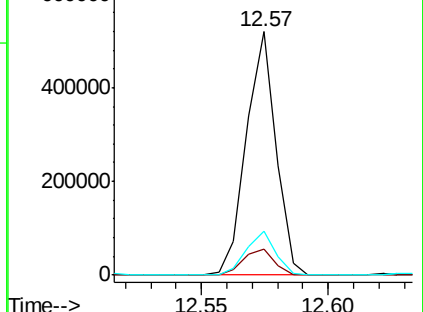
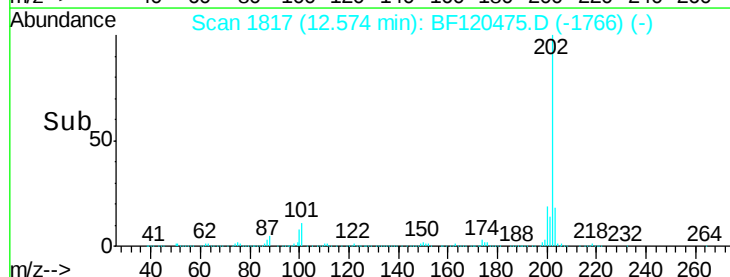
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.6
203	17.8	0.0	38.4

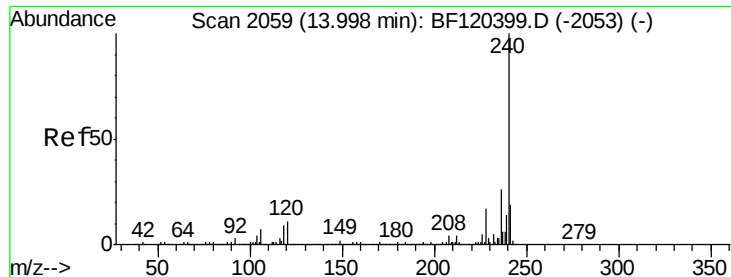


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

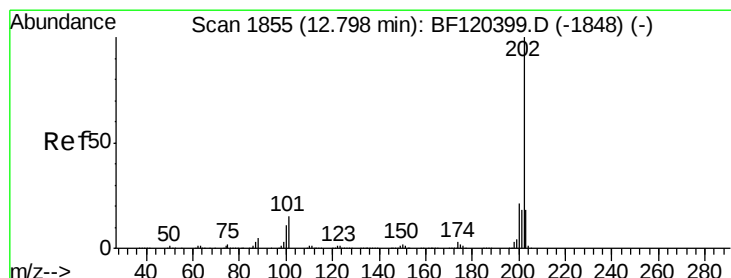
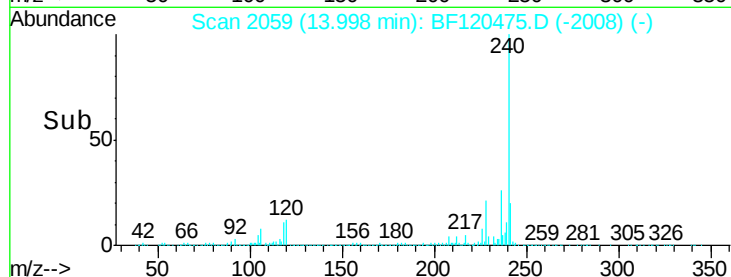
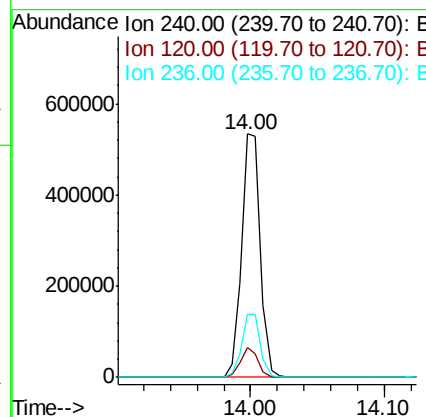
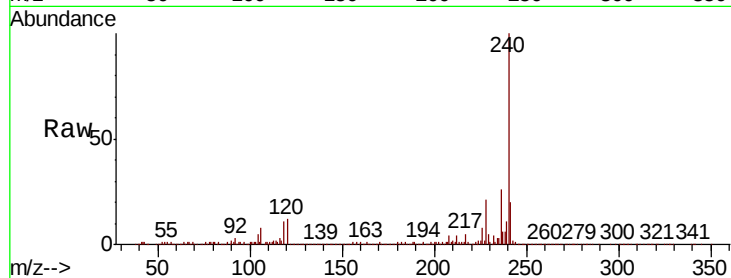




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

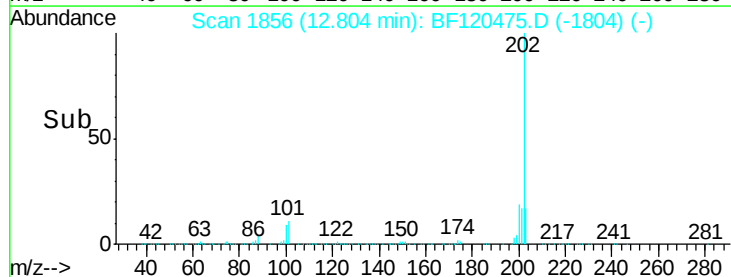
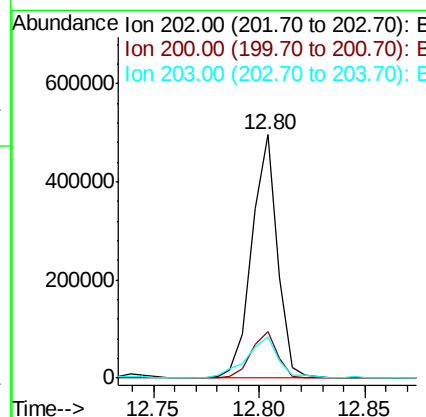
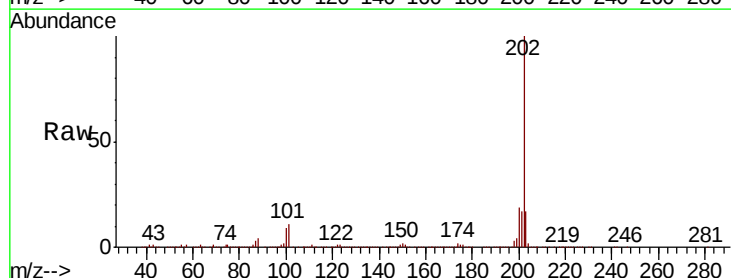
Instrument :
BNA_F
ClientSampleId :
NM61-COMP-2020-0-6

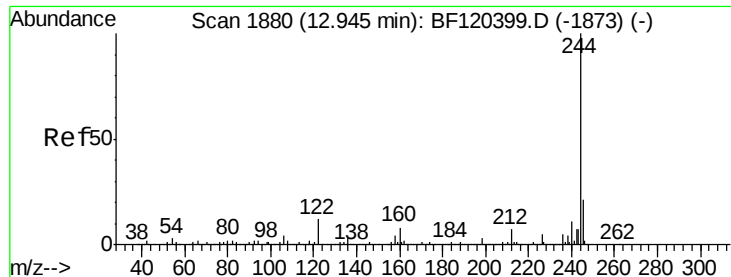
Tot Ion:240 Resp: 520607
Ion Ratio Lower Upper
240 100
120 12.1 8.8 13.2
236 26.0 21.0 31.4



#78
Pyrene
Concen: 11.501 ng
RT: 12.80 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

Tgt Ion:202 Resp: 416387
Ion Ratio Lower Upper
202 100
200 19.2 17.0 25.4
203 17.2 14.7 22.1





#79

Terphenyl-d14

Concen: 63.250 ng

RT: 12.95 min Scan# 1881

Delta R.T. 0.01 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

Instrument :

BNA_F

ClientSampleId :

NM61-COMP-2020-0-6

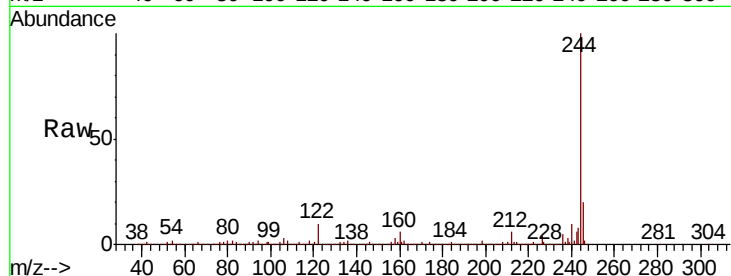
Tot Ion:244 Resp: 1479768

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

122 9.7 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

12.95

1500000

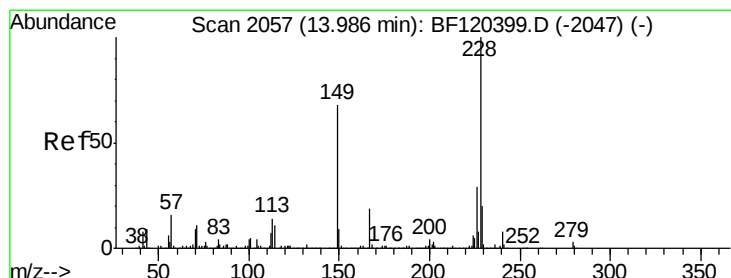
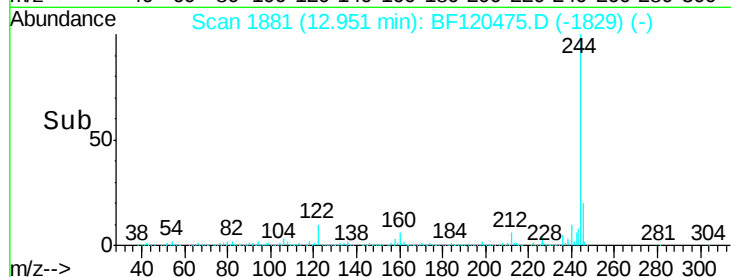
1000000

500000

0

Time-->

12.90 13.00



#81

Benzo(a)anthracene

Concen: 9.030 ng

RT: 14.03 min Scan# 2064

Delta R.T. 0.04 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

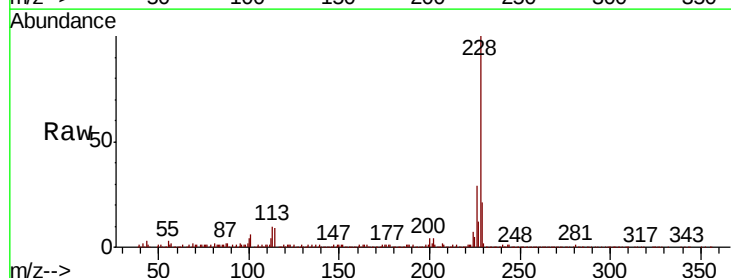
Tgt Ion:228 Resp: 251957

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.4

229 21.4 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

14.03

300000

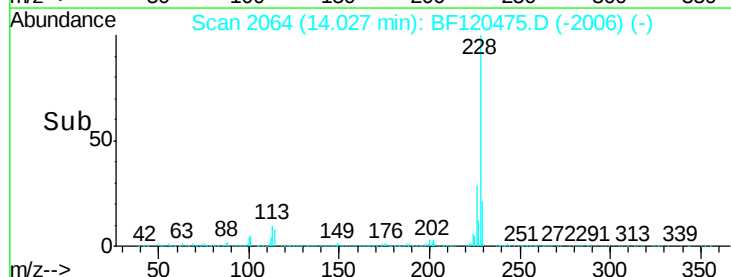
200000

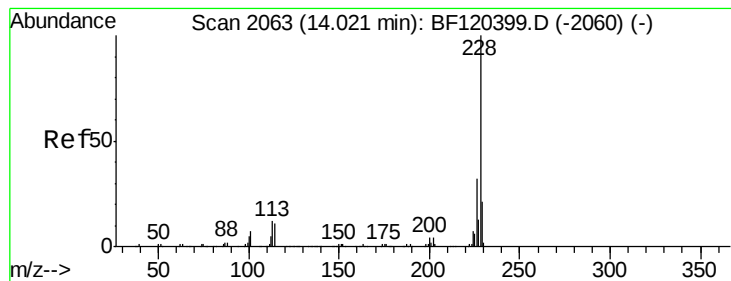
100000

0

Time-->

14.00 14.05





#83

Chrysene

Concen: 8.614 ng

RT: 14.03 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

Instrument :

BNA_F

ClientSampleId :

NM61-COMP-2020-0-6

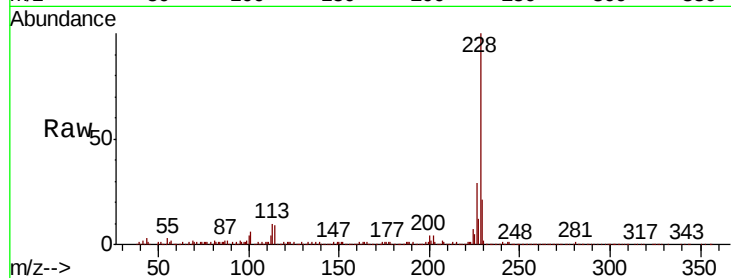
Tot Ion:228 Resp: 251957

Ion Ratio Lower Upper

228 100

226 29.4 25.6 38.4

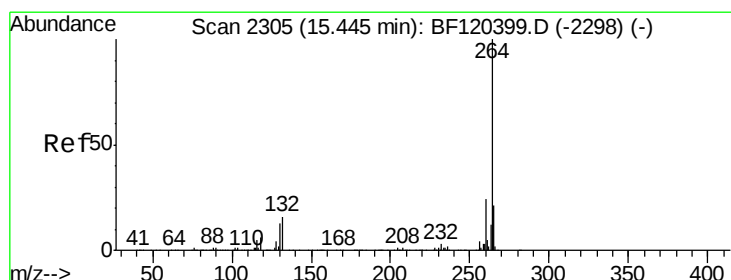
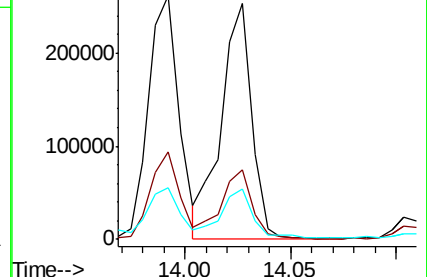
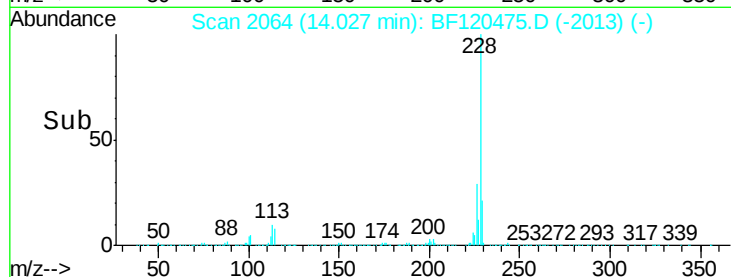
229 21.4 16.6 25.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF120475.D

Acq: 1 Jun 2020 17:06

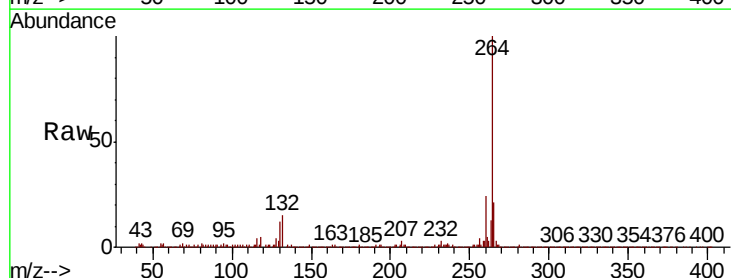
Tgt Ion:264 Resp: 528604

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

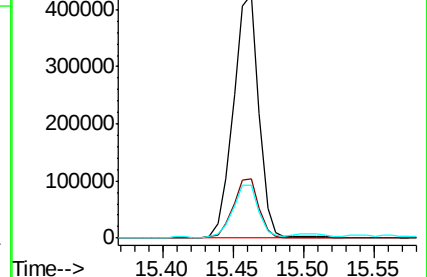
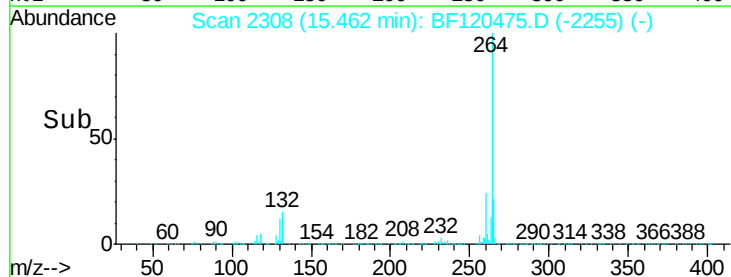
265 21.5 16.9 25.3

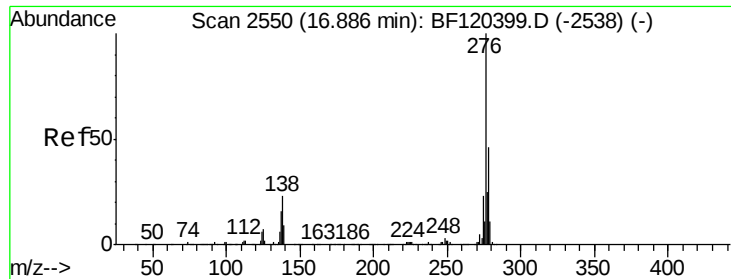


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

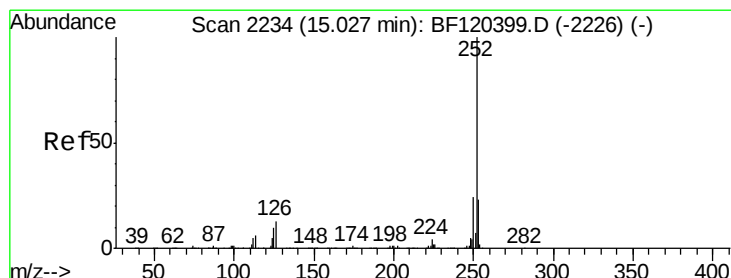
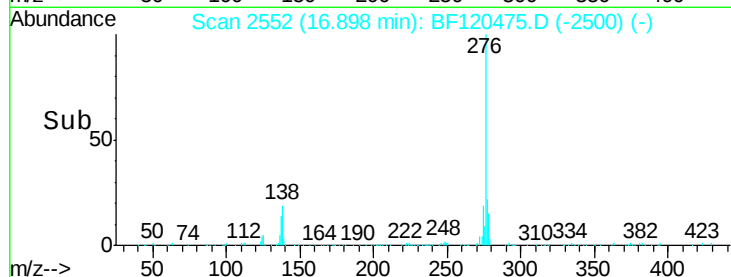
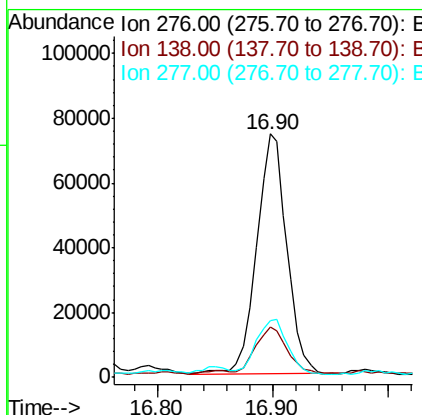
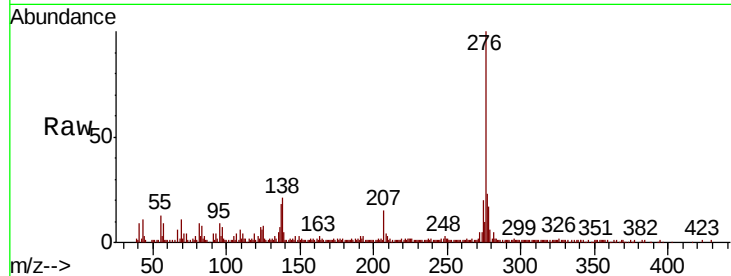




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.673 ng
 RT: 16.90 min Scan# 2552
 Delta R.T. 0.01 min
 Lab File: BF120475.D
 Acq: 1 Jun 2020 17:06

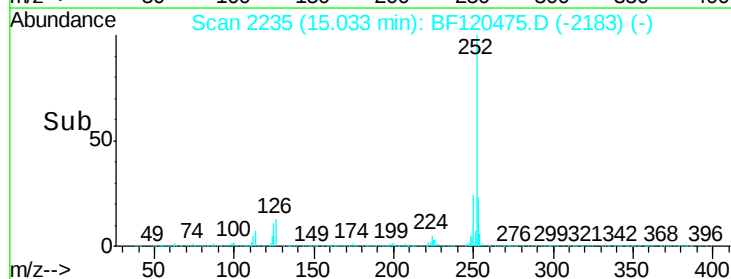
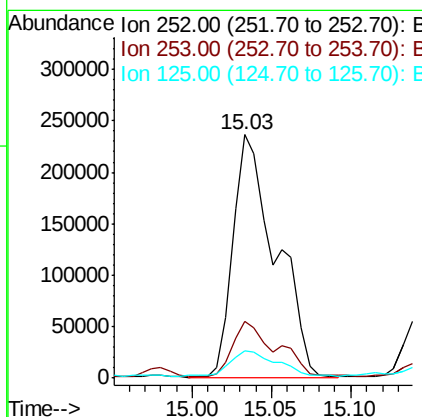
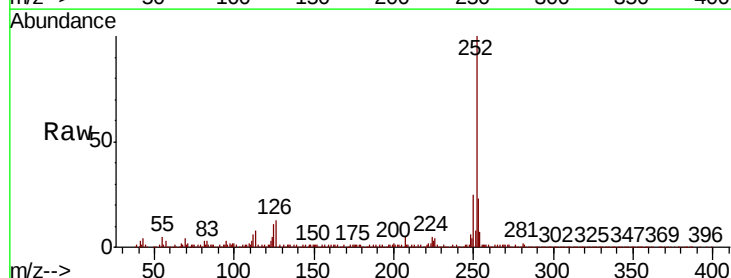
Instrument :
 BNA_F
 ClientSampleId :
 NM61-COMP-2020-0-6

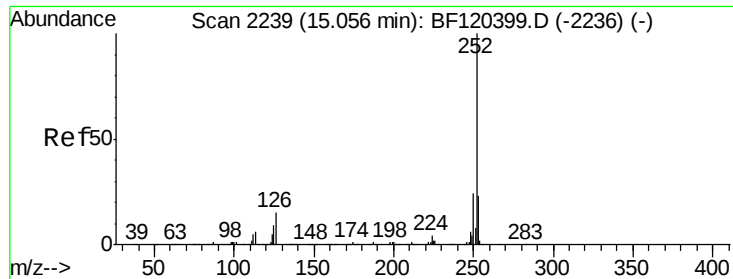
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	20.4	30.6#
277	24.2	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 14.992 ng
 RT: 15.03 min Scan# 2235
 Delta R.T. 0.01 min
 Lab File: BF120475.D
 Acq: 1 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	11.5	7.8	11.8

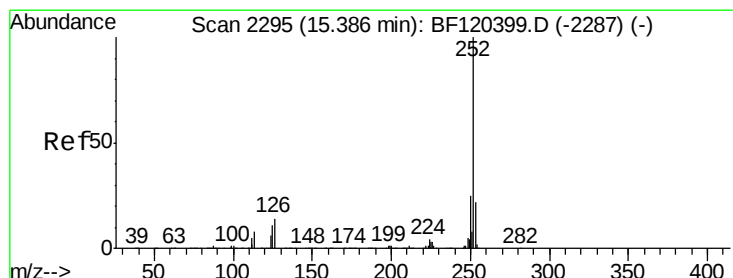
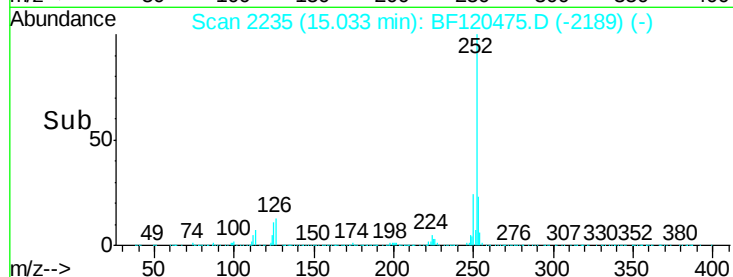
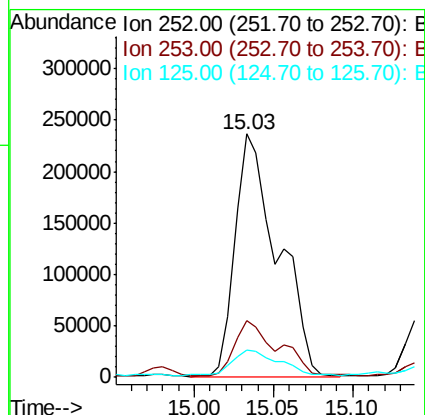
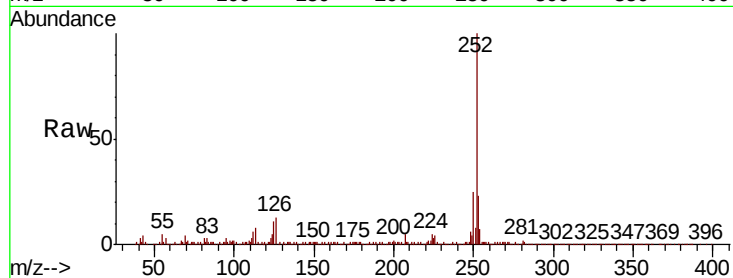




#89
Benzo(k)fluoranthene
Concen: 16.059 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

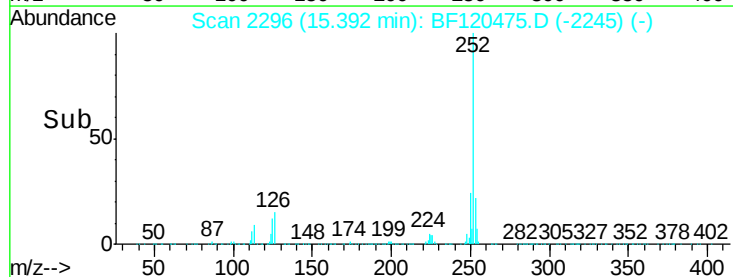
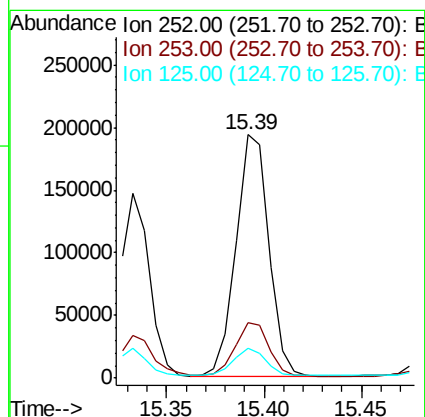
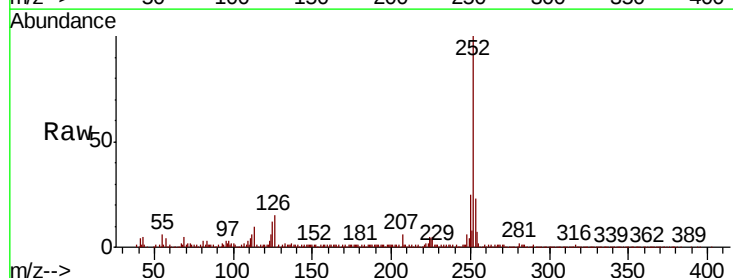
Instrument :
BNA_F
ClientSampleId :
NM61-COMP-2020-0-6

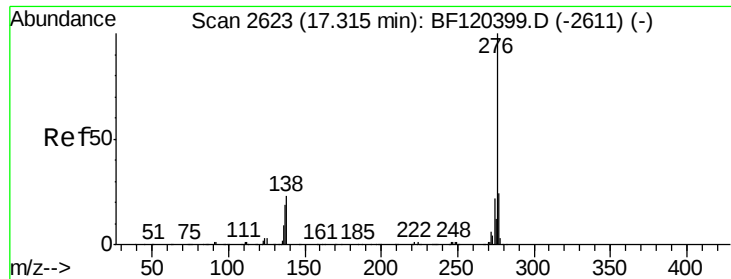
Tot Ion:252 Resp: 440168
Ion Ratio Lower Upper
252 100
253 23.4 18.5 27.7
125 11.5 8.0 12.0



#90
Benzo(a)pyrene
Concen: 8.807 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120475.D
Acq: 1 Jun 2020 17:06

Tgt Ion:252 Resp: 226189
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 12.4 8.7 13.1





#92
 Benzo(a,h,i)perylene
 Concen: 5.247 ng
 RT: 17.34 min Scan# 2627
 Delta R.T. 0.01 min
 Lab File: BF120475.D
 Acq: 1 Jun 2020 17:06

Instrument :
 BNA_F
 ClientSampleId :
 NM61-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.5	29.3
138	20.9	18.1	27.1

