

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120423.D
 Acq On : 28 May 2020 22:24
 Operator : MA/SJ
 Sample : L2744-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM67-COMP-2020-0-6

Quant Time: May 29 03:30:36 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	231327	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	780469	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	346400	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	599688	20.00	ng	0.00
76) Chrysene-d12	14.00	240	533911	20.00	ng	0.00
86) Perylene-d12	15.45	264	481524	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1218352	100.37	ng	0.00
7) Phenol-d6	6.47	99	1462554	97.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	894846	75.00	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	324290	101.04	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1575943	77.19	ng	0.00
79) Terphenyl-d14	12.94	244	1565839	65.26	ng	0.00

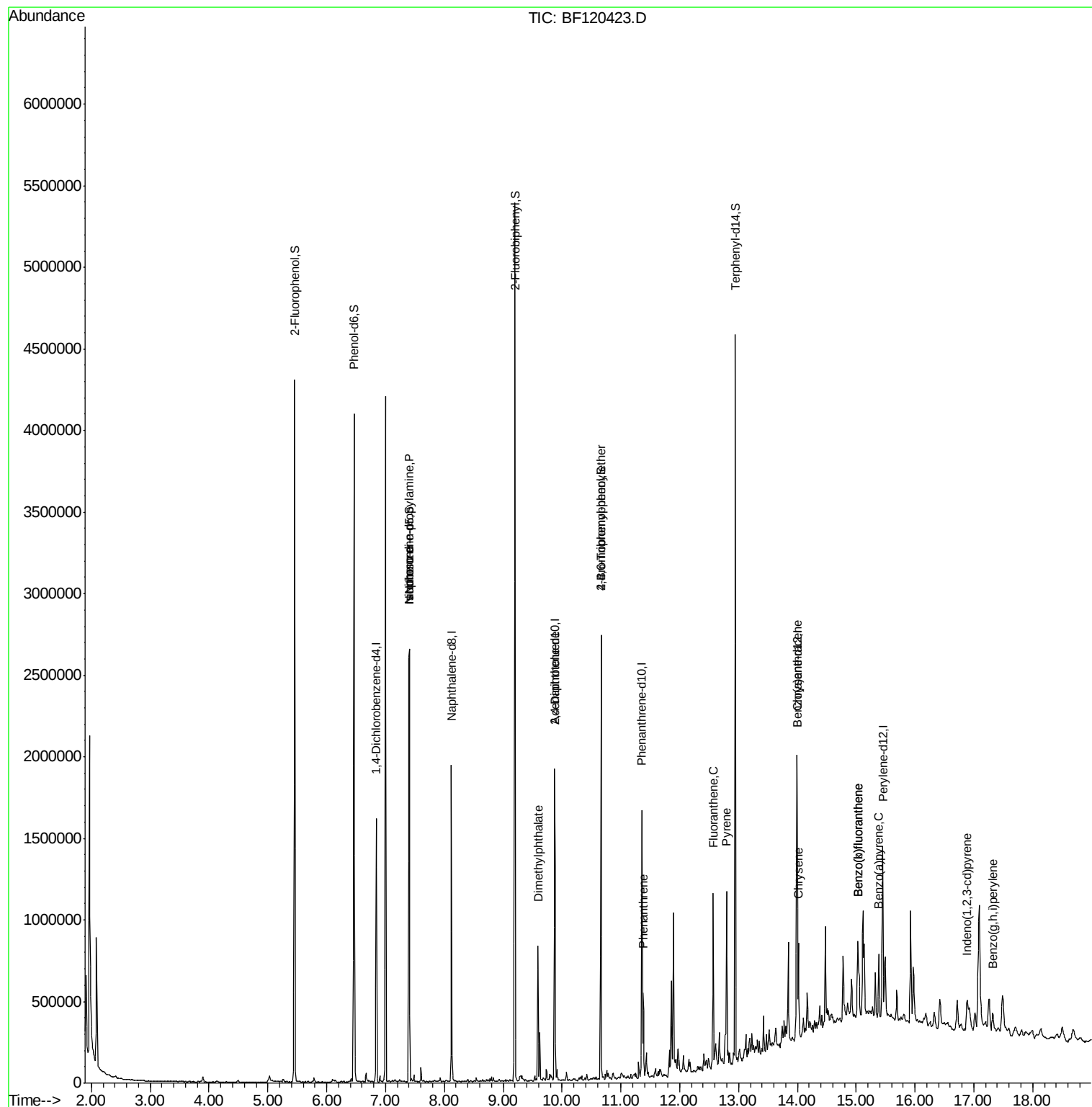
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	119728	12.589	ng	# 78
25) Isophorone	7.40	82	892568	37.221	ng	# 64
50) Dimethylphthalate	9.59	163	309944	14.312	ng	99
57) 2,4-Dinitrotoluene	9.87	165	44617	7.244	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	19483	3.219	ng	# 1
71) Phenanthrene	11.38	178	179876	6.807	ng	97
75) Fluoranthene	12.57	202	402835	14.168	ng	98
78) Pyrene	12.80	202	406972	10.961	ng	98
81) Benzo(a)anthracene	13.99	228	249938	8.735	ng	98
83) Chrysene	14.02	228	205012	6.834	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	109243	4.148	ng	94
88) Benzo(b)fluoranthene	15.03	252	356525	13.330	ng	# 97
89) Benzo(k)fluoranthene	15.03	252	356525	14.279	ng	98
90) Benzo(a)pyrene	15.39	252	187108	7.998	ng	96
92) Benzo(a,h,i)perylene	17.32	276	103959	4.909	ng	98

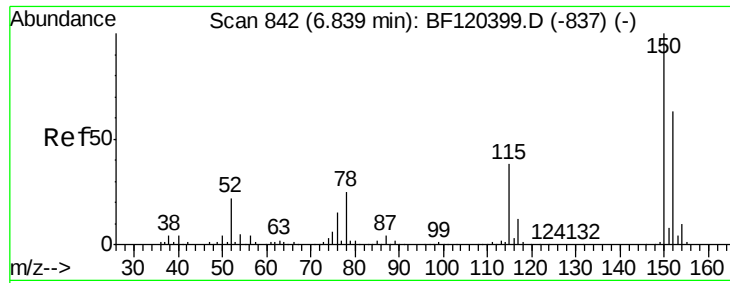
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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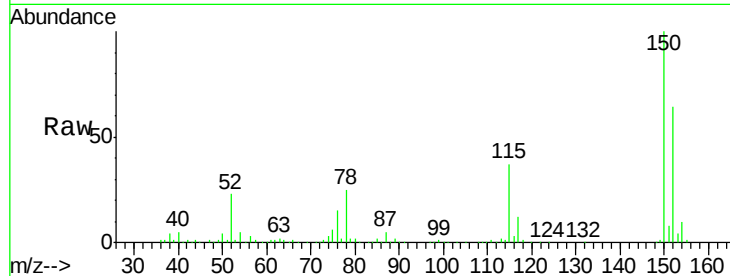


#1

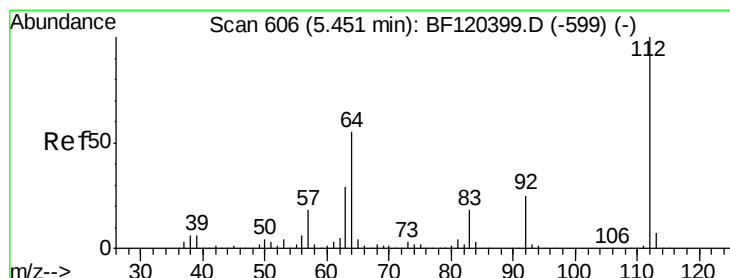
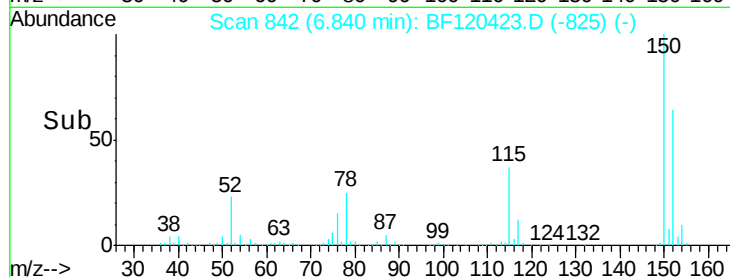
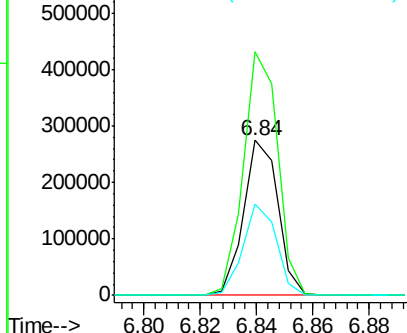
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

Instrument :
BNA_F
ClientSampleId :
NM67-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.5	189.7
115	58.9	47.6	71.4



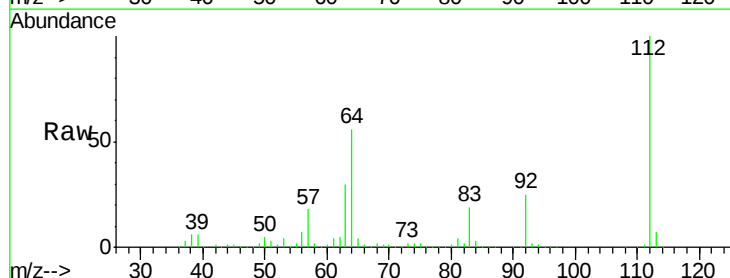
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



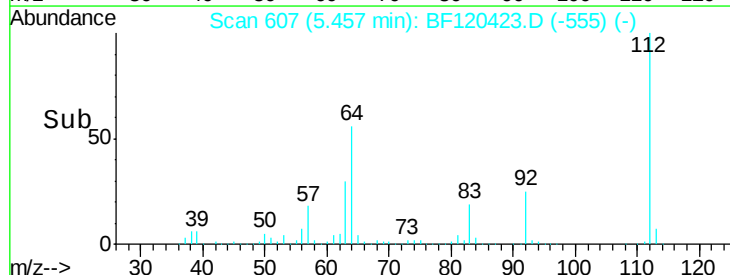
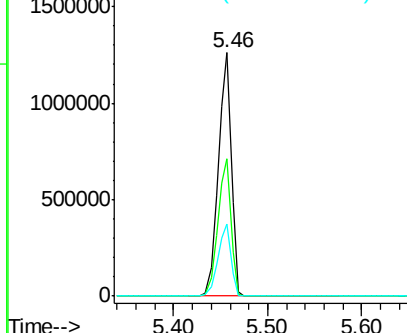
#5

2-Fluorophenol
Concen: 100.372 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	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: 97.755 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

Instrument :

BNA_F

ClientSampleId :

NM67-COMP-2020-0-6

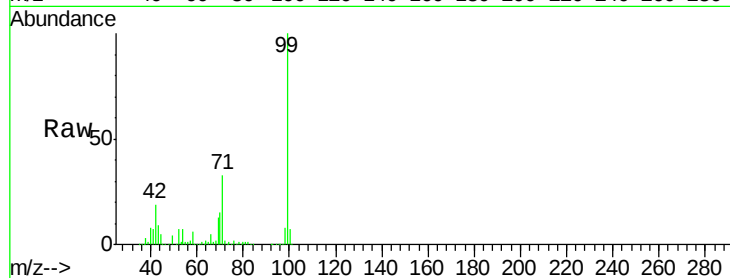
Tot Ion: 99 Resp: 1462554

Ion Ratio Lower Upper

99 100

42 18.8 15.2 22.8

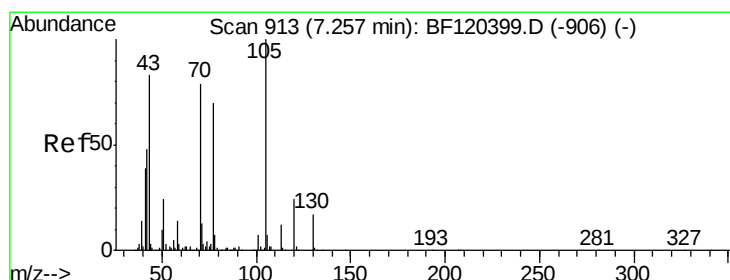
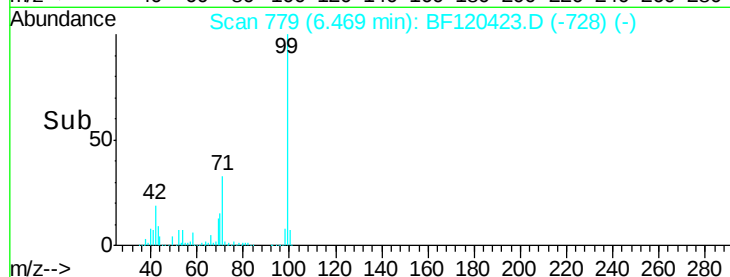
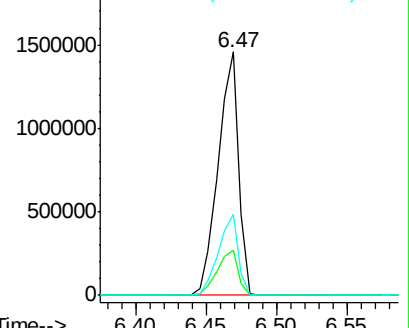
71 33.1 25.6 38.4



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: 12.589 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

Tgt Ion: 70 Resp: 119728

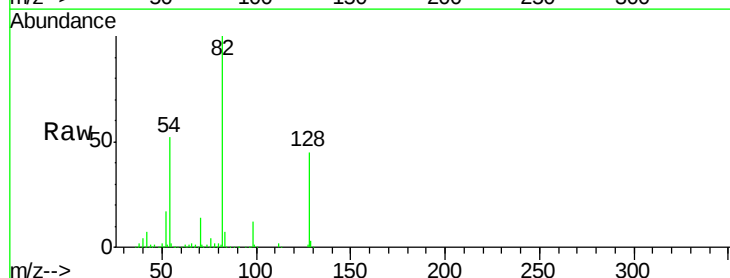
Ion Ratio Lower Upper

70 100

42 49.9 48.9 73.3

101 0.0 7.4 11.2#

130 2.1 16.8 25.2#

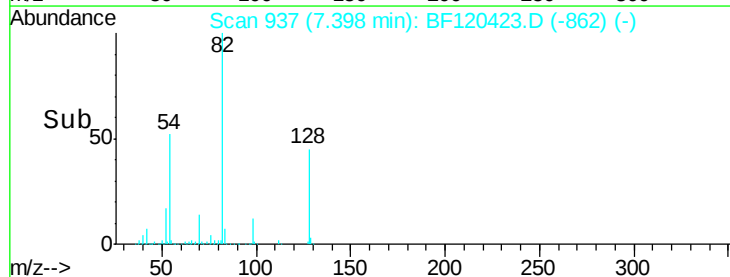
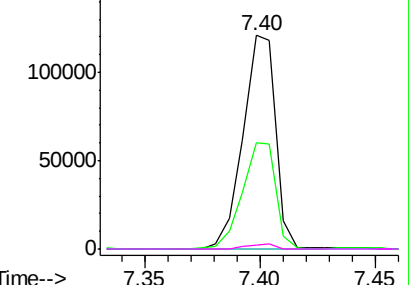


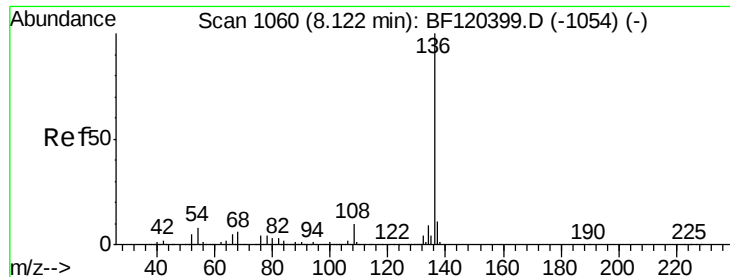
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120423.D

Acq: 28 May 2020 22:24

Instrument :

BNA_F

ClientSampleId :

NM67-COMP-2020-0-6

Tot Ion:136 Resp: 780469

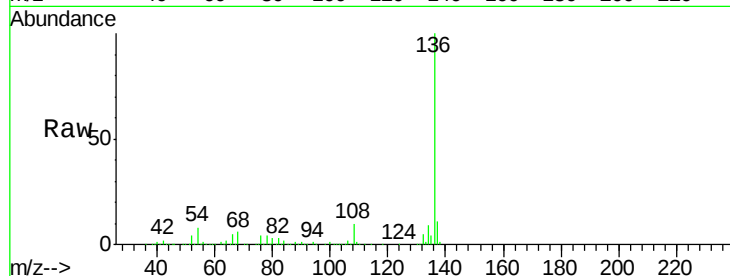
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.4 6.7 10.1

68 6.2 5.0 7.4

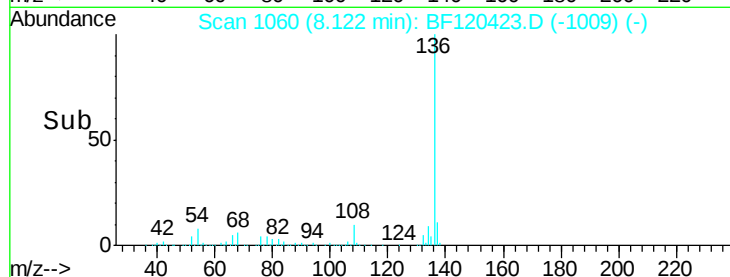


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 Ion 137.00 (136.70 to 137.70): E

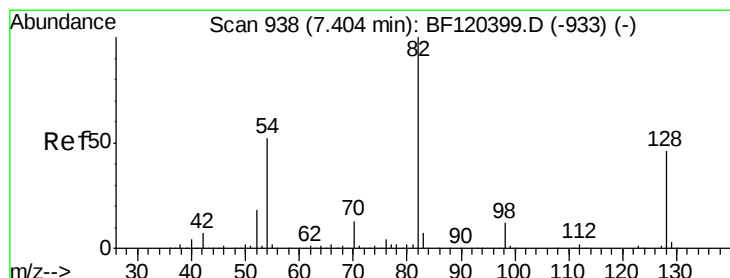
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

8.10 8.15



#23

Nitrobenzene-d5

Concen: 74.999 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

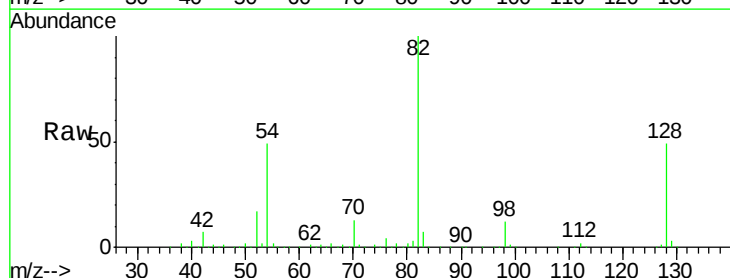
Tgt Ion: 82 Resp: 894846

Ion Ratio Lower Upper

82 100

128 49.0 36.8 55.2

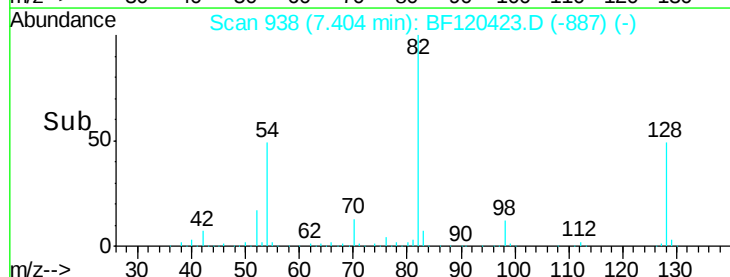
54 49.2 41.6 62.4



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



Time-->

7.35 7.40 7.45



#25

Isophorone

Concen: 37.221 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

Instrument :

BNA_F

ClientSampleId :

NM67-COMP-2020-0-6

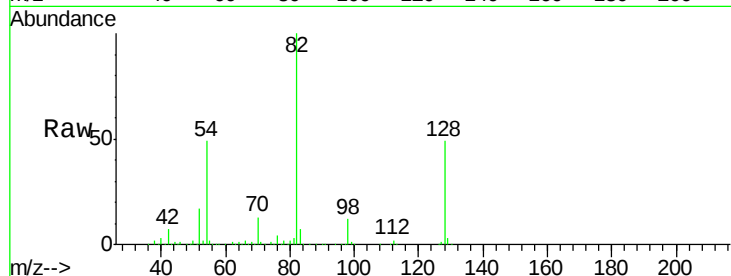
Tot Ion: 82 Resp: 892568

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

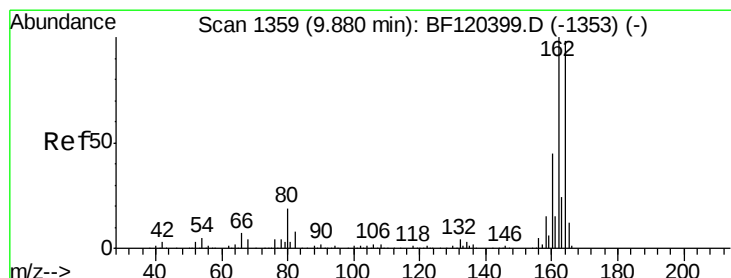
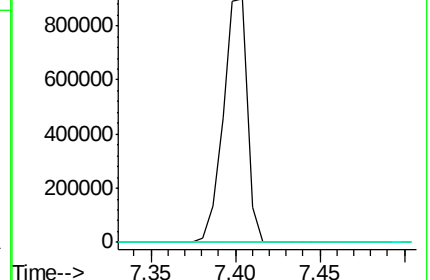
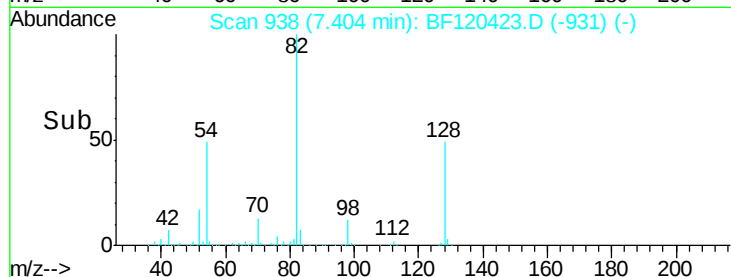
138 0.0 15.0 22.4#



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: BF120423.D

Acq: 28 May 2020 22:24

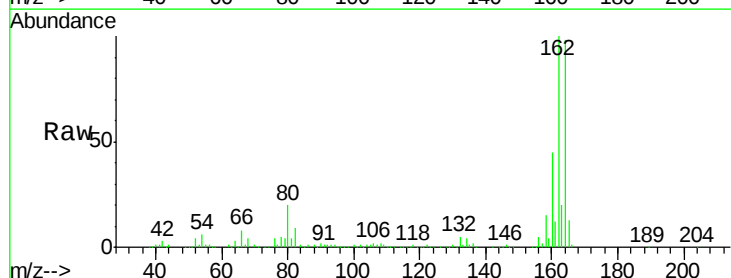
Tgt Ion: 164 Resp: 346400

Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

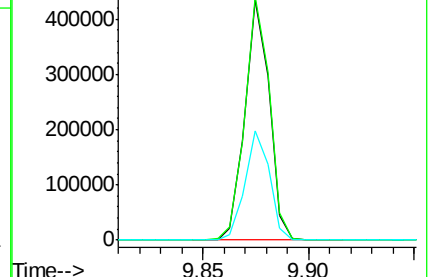
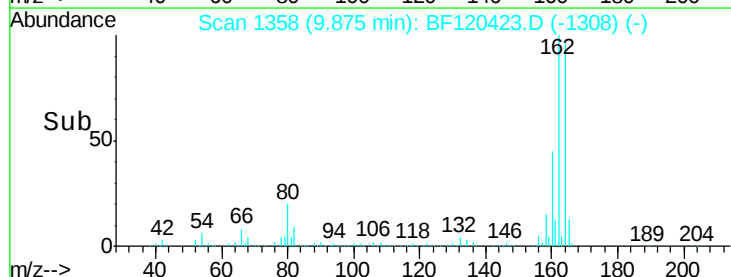
160 45.4 36.9 55.3

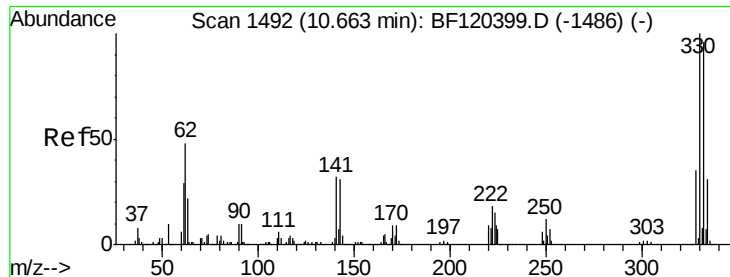


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

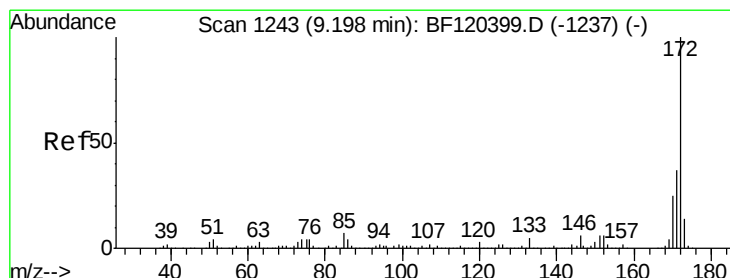
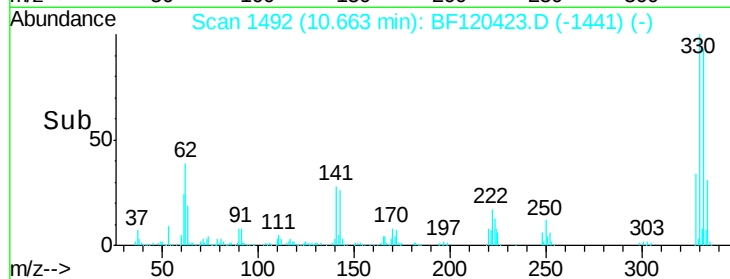
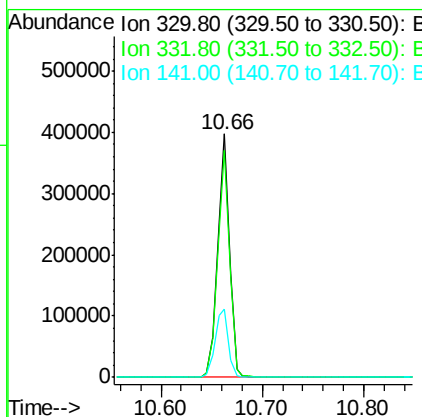
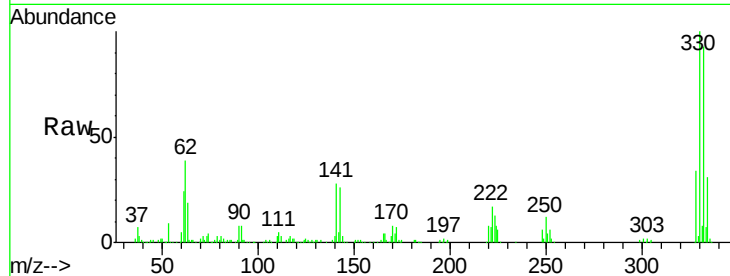




#42
 2,4,6-Tribromophenol
 Concen: 101.039 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120423.D
 Acq: 28 May 2020 22:24

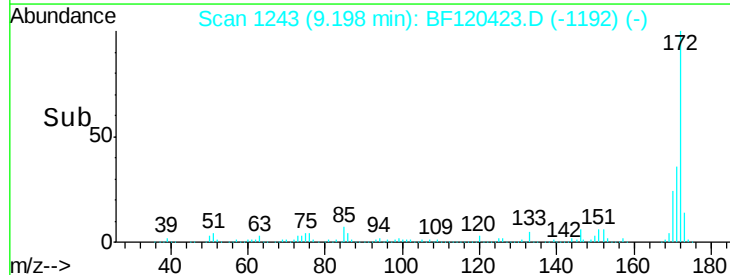
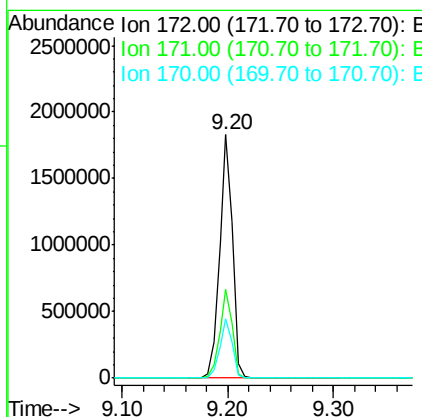
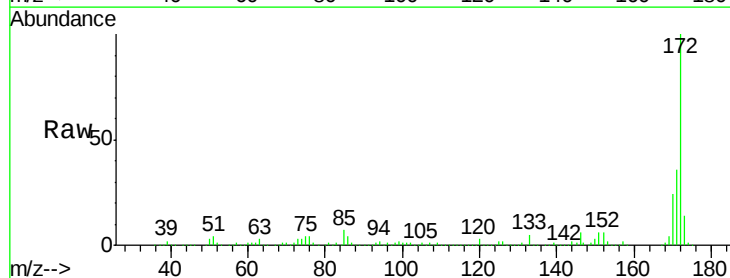
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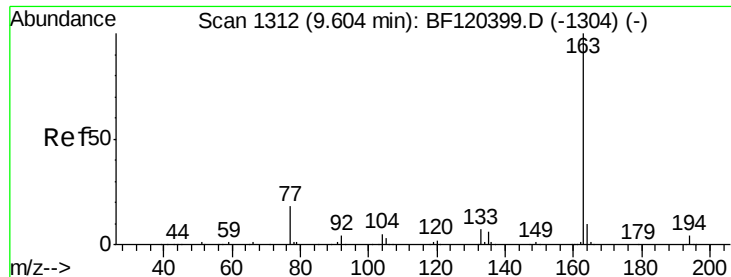
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	30.9	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 77.191 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120423.D
 Acq: 28 May 2020 22:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	19.9	29.9

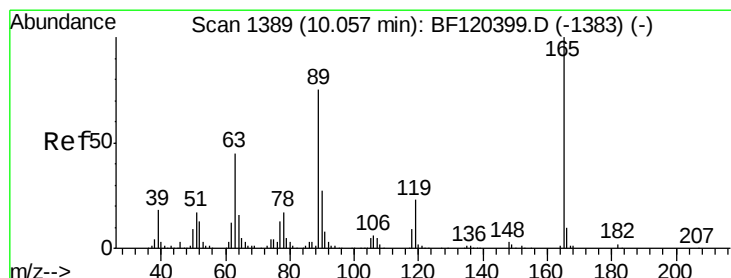
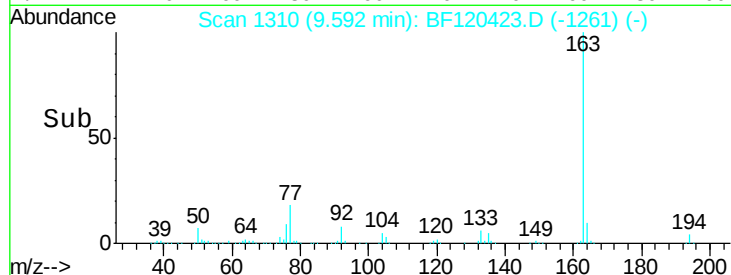
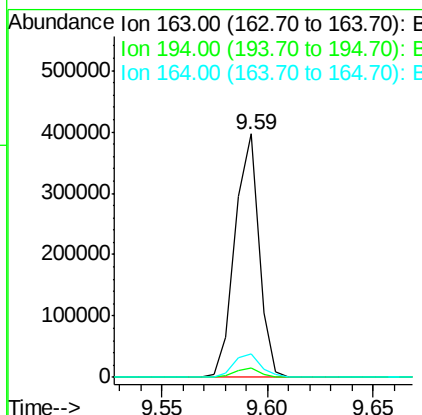
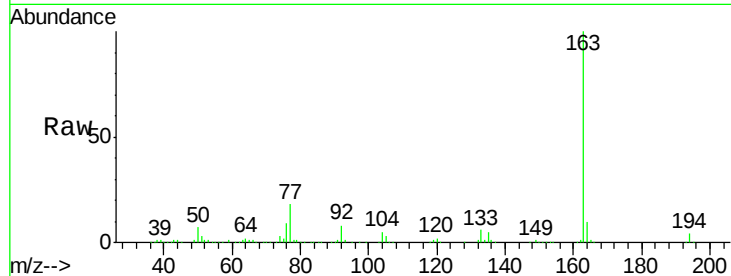




#50
Dimethylphthalate
Concen: 14.312 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

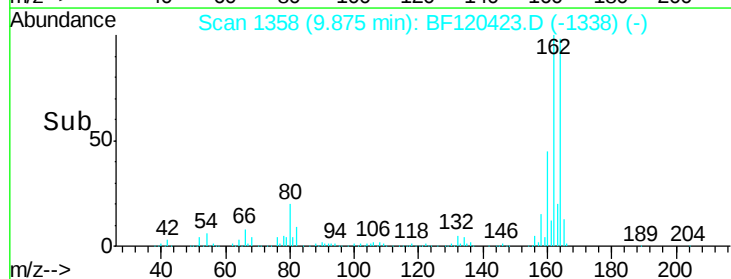
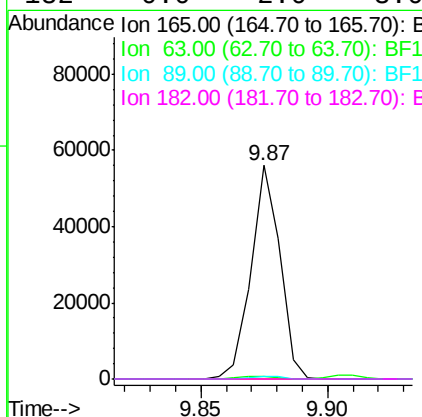
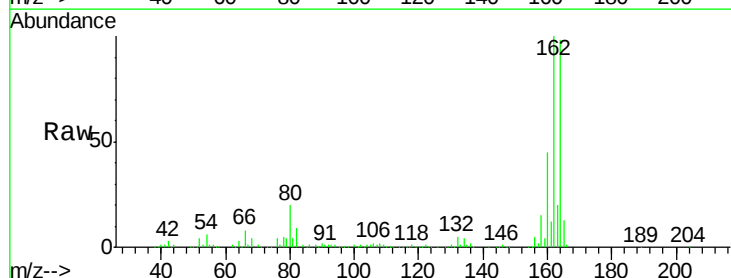
Instrument :
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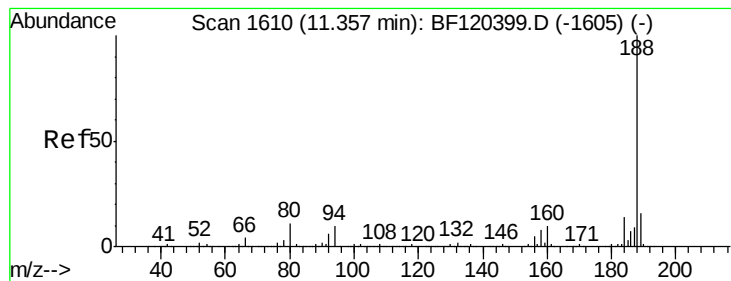
Tot Ion:163 Resp: 309944
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.7 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.244 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

Tgt Ion:165 Resp: 44617
Ion Ratio Lower Upper
165 100
63 1.3 35.9 53.9#
89 1.4 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: BF120423.D

Acq: 28 May 2020 22:24

Instrument :

BNA_F

ClientSampleId :

NM67-COMP-2020-0-6

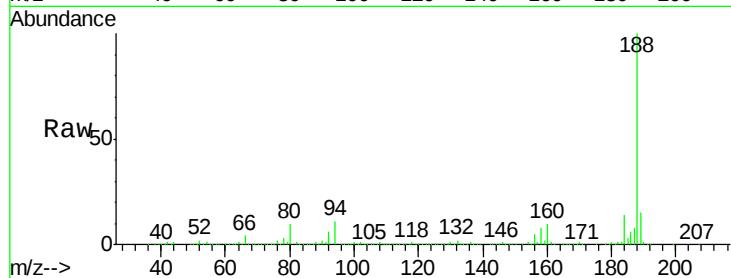
Tot Ion:188 Resp: 599688

Ion Ratio Lower Upper

188 100

94 10.7 7.9 11.9

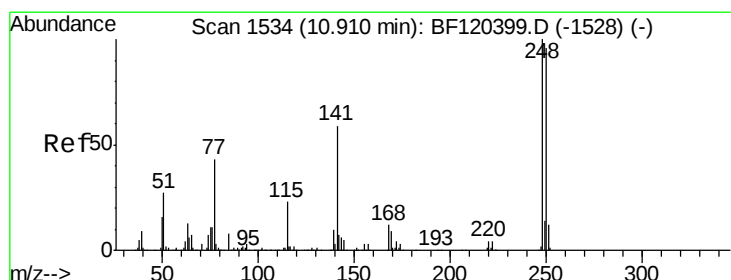
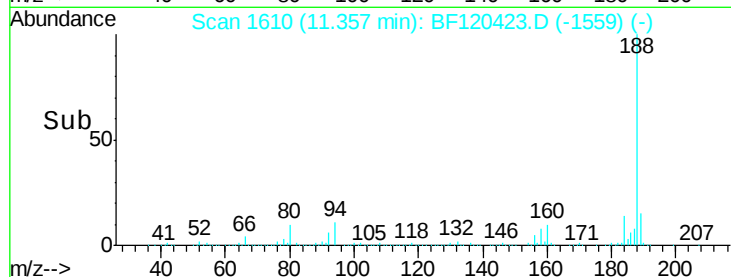
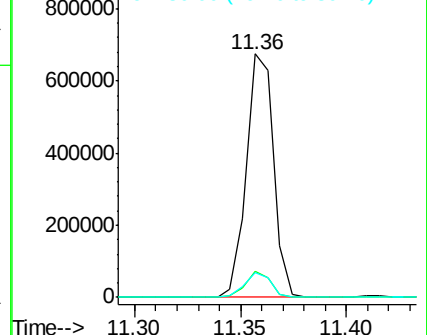
80 10.4 8.6 13.0



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: 3.219 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

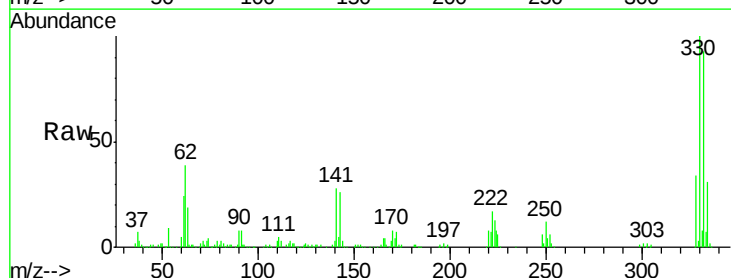
Tgt Ion:248 Resp: 19483

Ion Ratio Lower Upper

248 100

250 203.4 76.5 114.7#

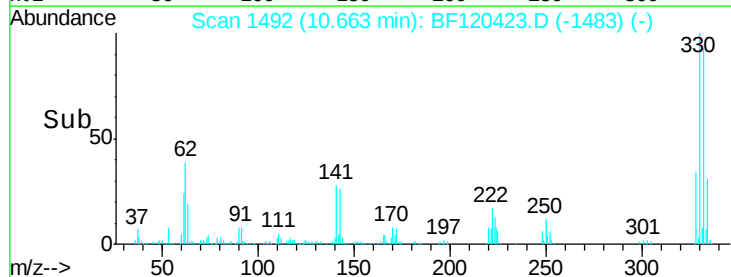
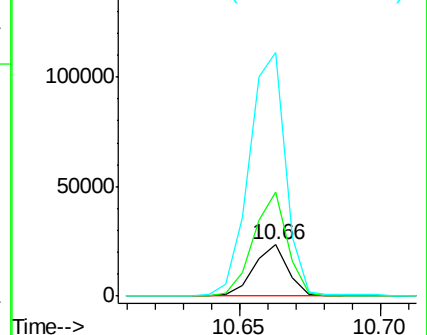
141 475.0 47.2 70.8#

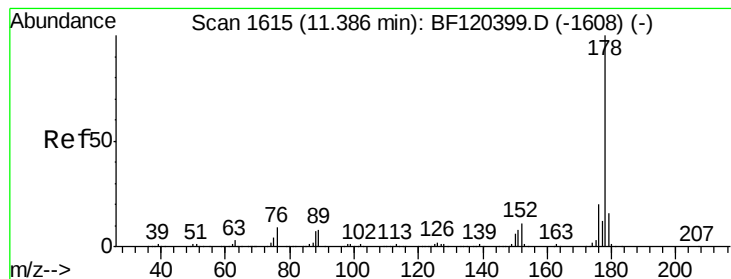


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.807 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

Instrument :

BNA_F

ClientSampleId :

NM67-COMP-2020-0-6

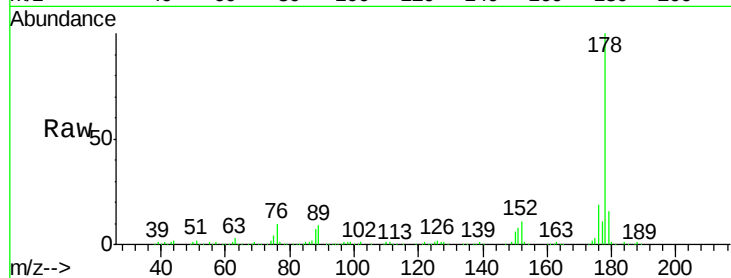
Tot Ion:178 Resp: 179876

Ion Ratio Lower Upper

178 100

176 18.7 16.4 24.6

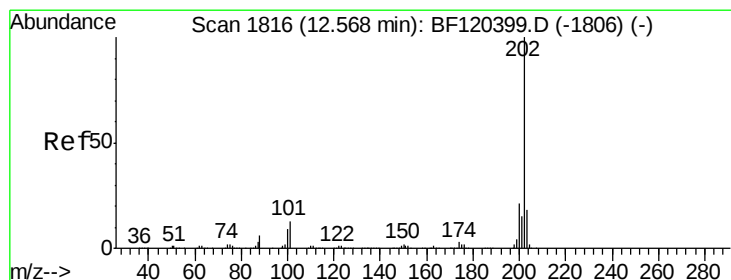
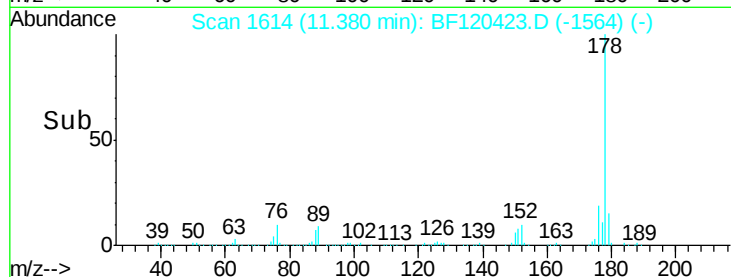
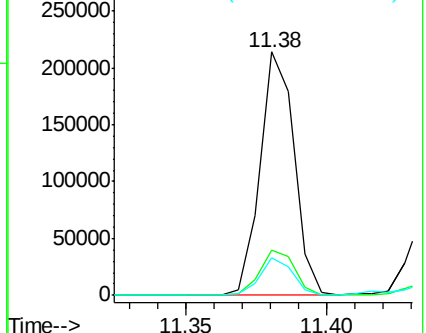
179 15.6 13.0 19.4



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: 14.168 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

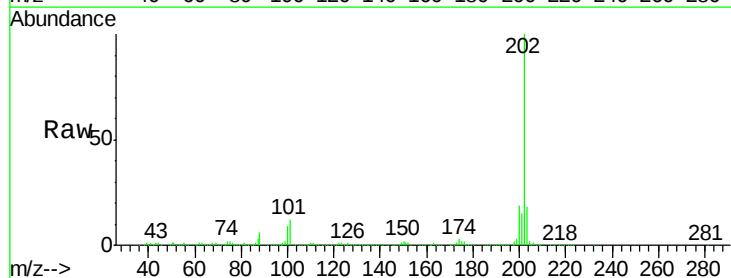
Tgt Ion:202 Resp: 402835

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.6

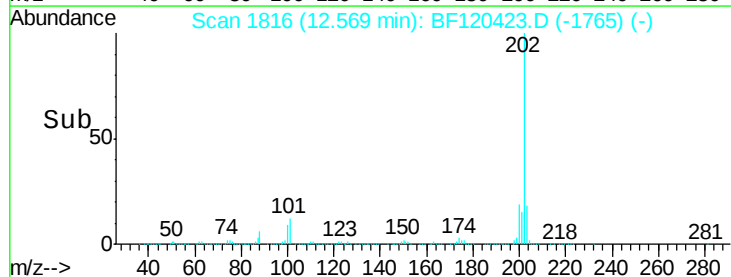
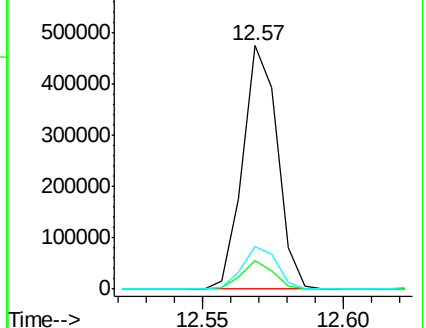
203 17.6 0.0 38.4

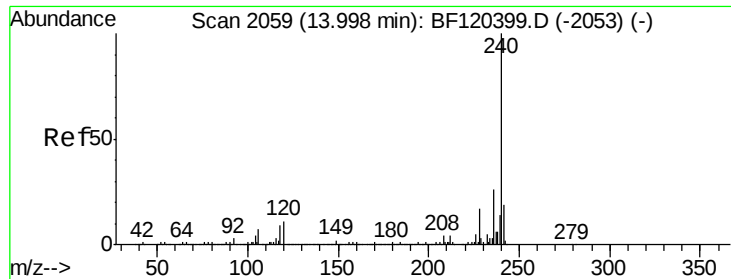


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

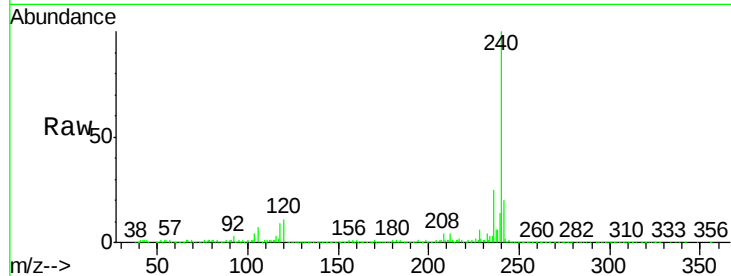




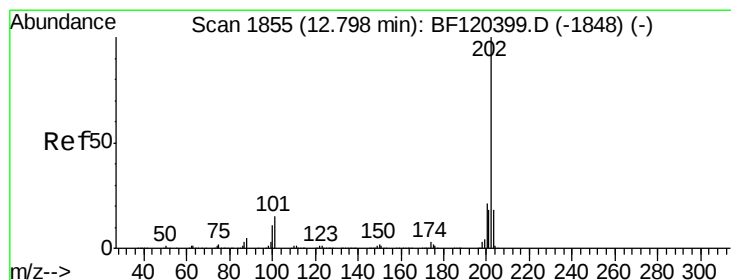
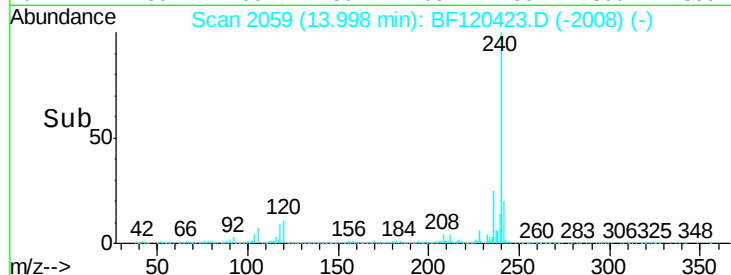
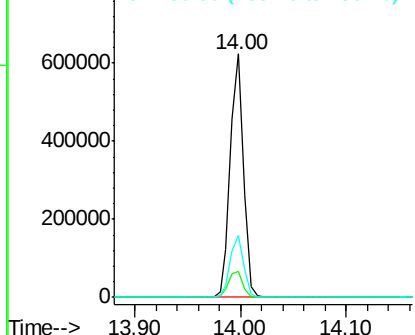
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

Instrument :
BNA_F
ClientSampleId :
NM67-COMP-2020-0-6

Tot Ion:240 Resp: 533911
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 25.4 21.0 31.4

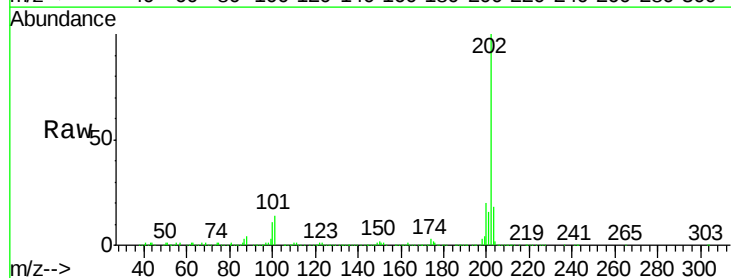


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

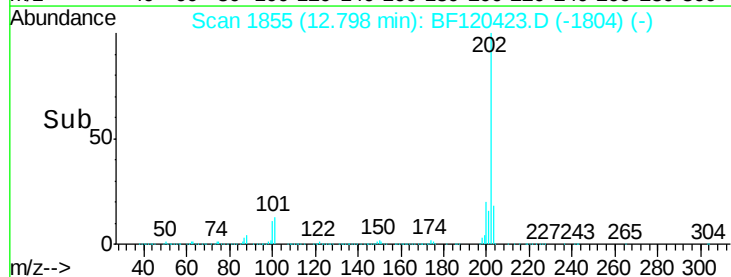
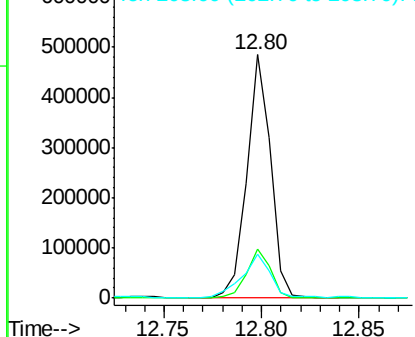


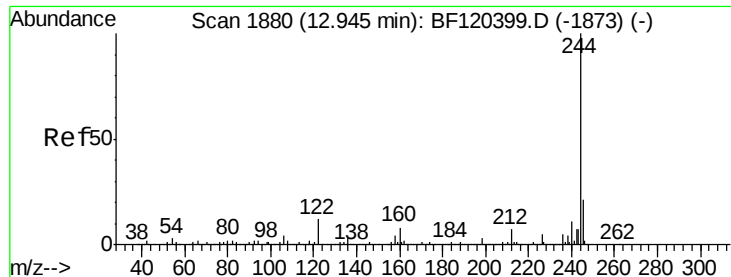
#78
Pyrene
Concen: 10.961 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

Tgt Ion:202 Resp: 406972
Ion Ratio Lower Upper
202 100
200 20.0 17.0 25.4
203 18.1 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: 65.261 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

Instrument :

BNA_F

ClientSampleId :

NM67-COMP-2020-0-6

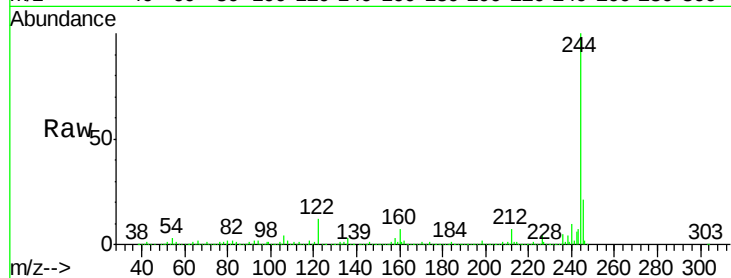
Tot Ion:244 Resp: 1565839

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

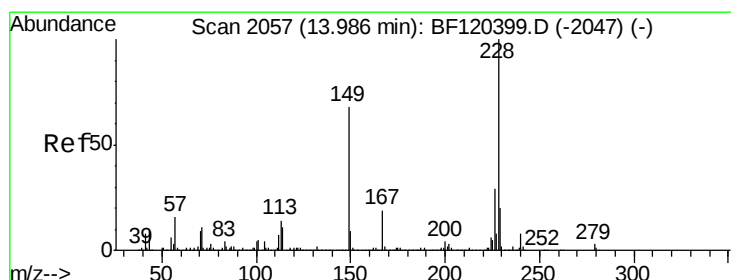
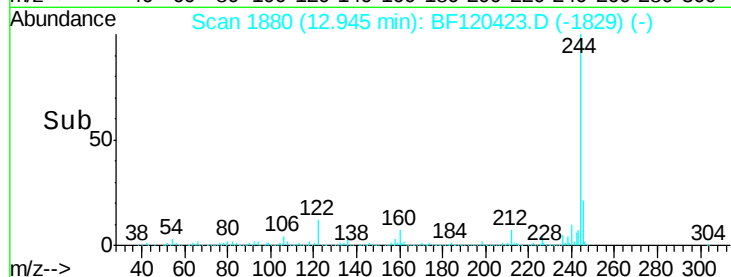
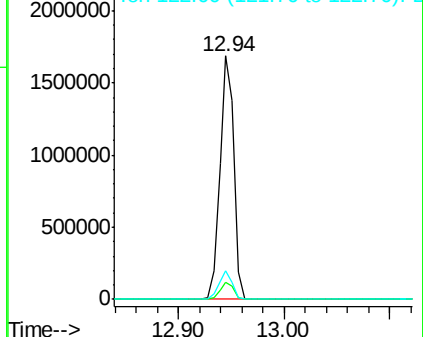
122 11.6 9.2 13.8



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: 8.735 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120423.D

Acq: 28 May 2020 22:24

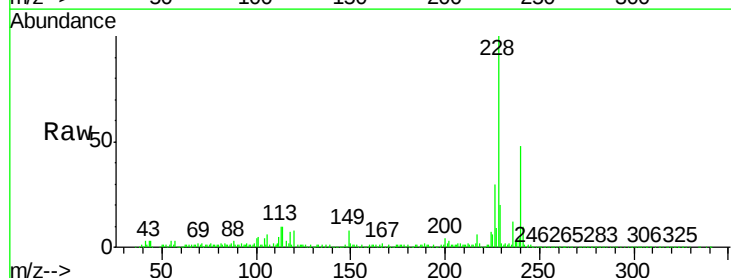
Tgt Ion:228 Resp: 249938

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.4

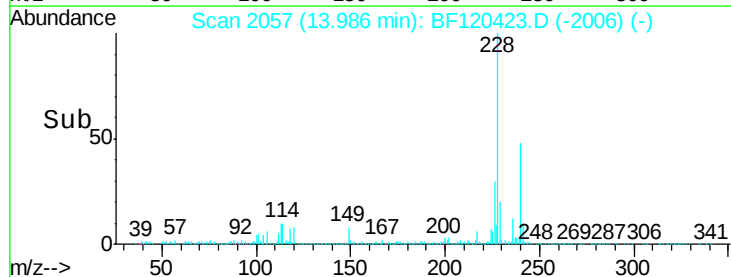
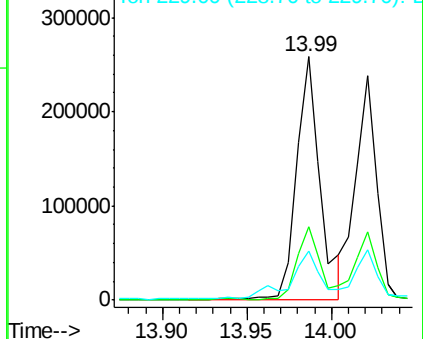
229 20.0 16.2 24.4

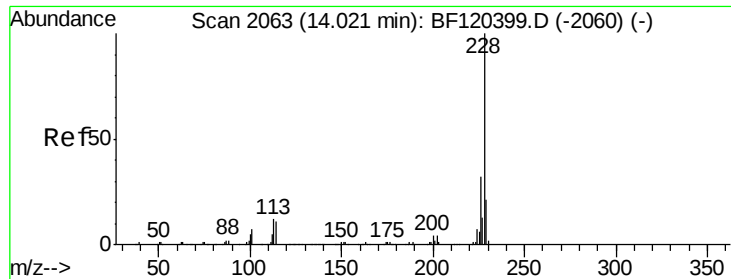


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

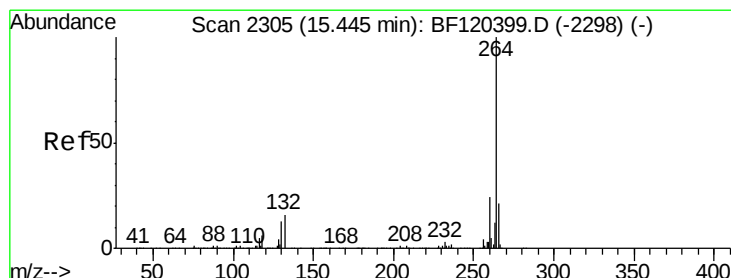
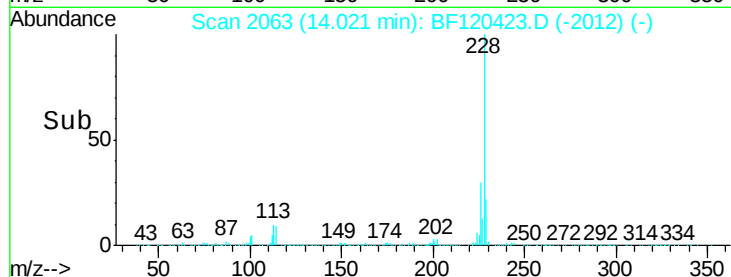
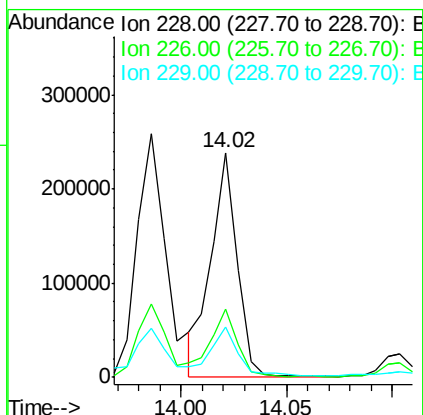
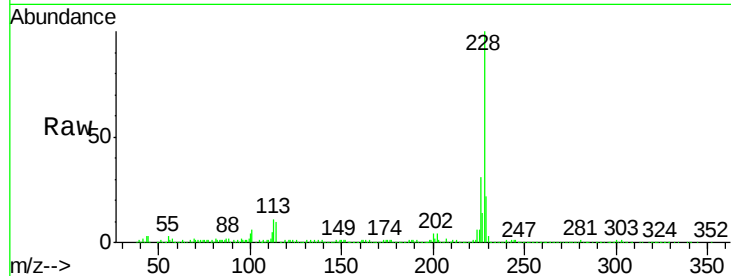




#83
Chrysene
Concen: 6.834 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

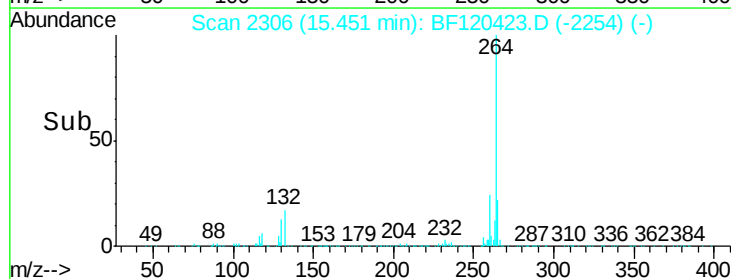
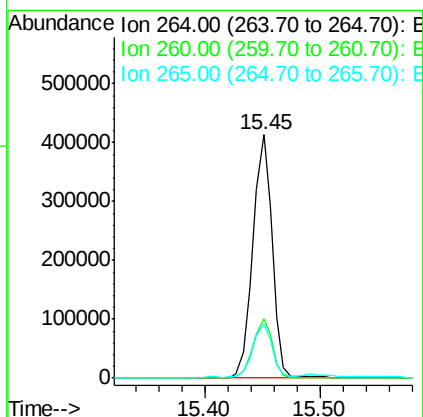
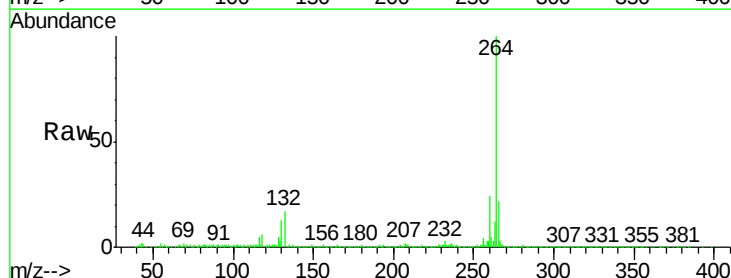
Instrument :
BNA_F
ClientSampleId :
NM67-COMP-2020-0-6

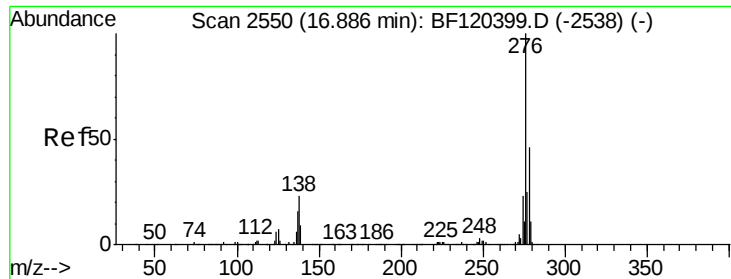
Tot Ion:228 Resp: 205012
Ion Ratio Lower Upper
228 100
226 30.7 25.6 38.4
229 22.3 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

Tgt Ion:264 Resp: 481524
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.2 16.9 25.3

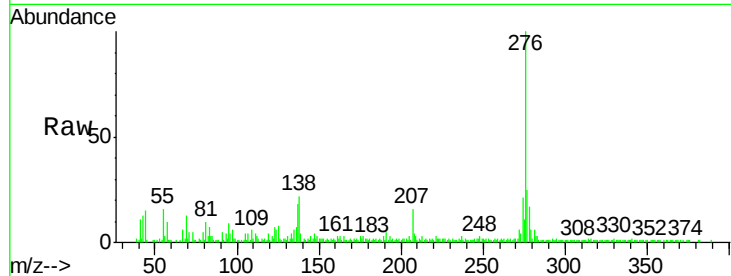




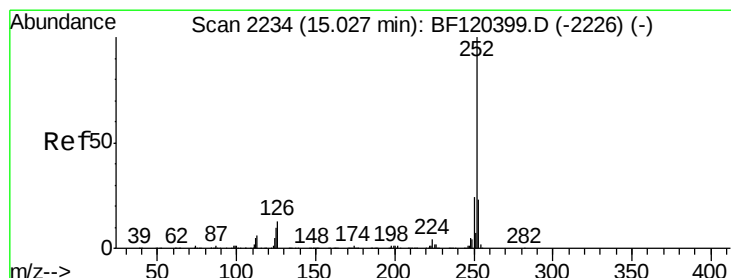
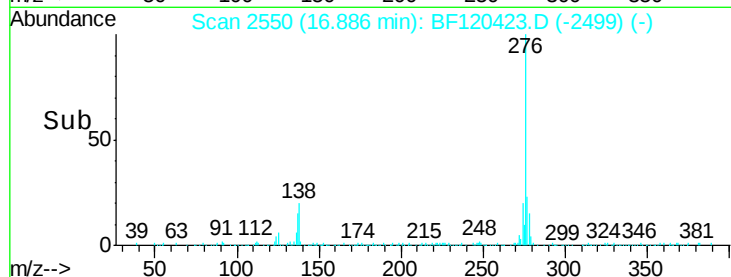
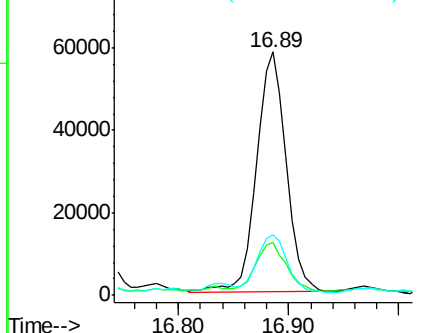
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.148 ng
 RT: 16.89 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: BF120423.D
 Acq: 28 May 2020 22:24

Instrument :
 BNA_F
 ClientSampleId :
 NM67-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.4	30.6
277	24.5	20.4	30.6

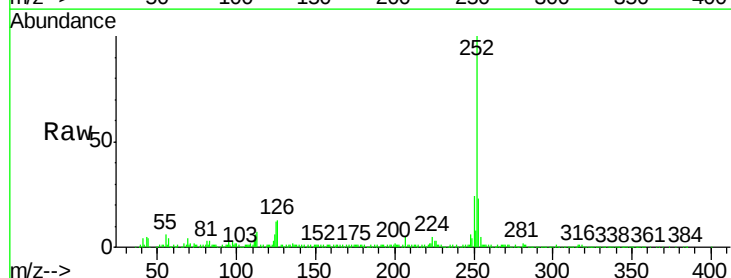


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

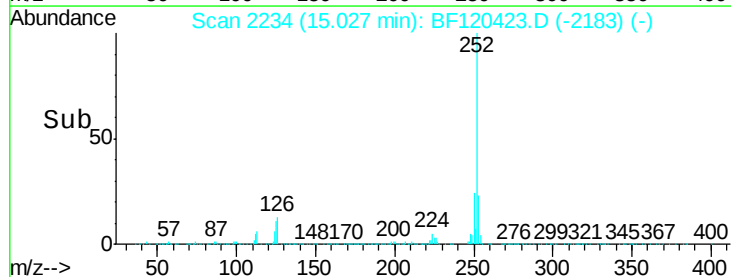
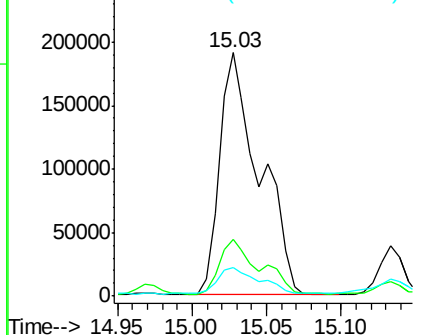


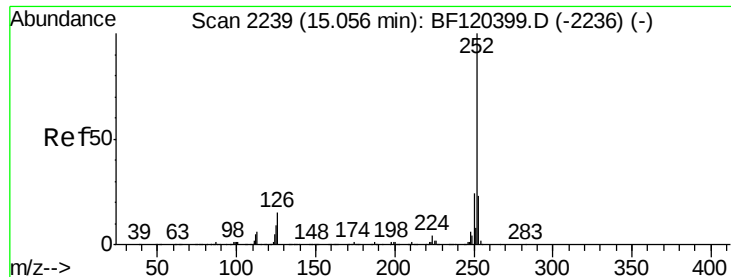
#88
 Benzo(b)fluoranthene
 Concen: 13.330 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF120423.D
 Acq: 28 May 2020 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	11.9	7.8	11.8#



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

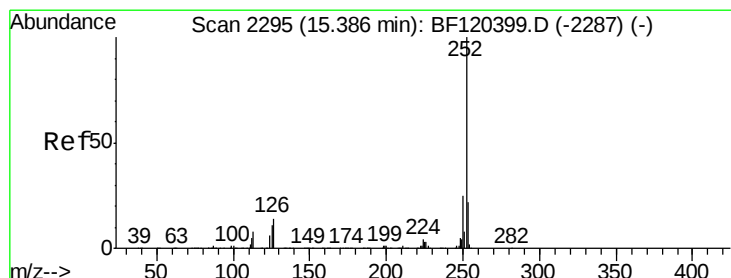
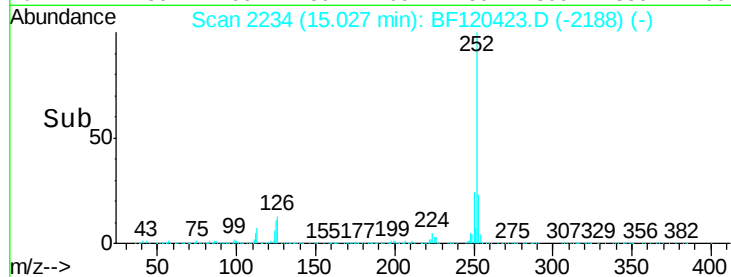
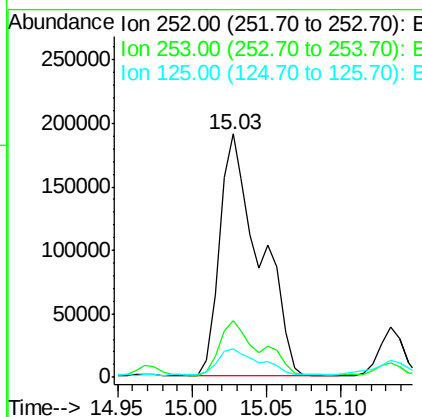
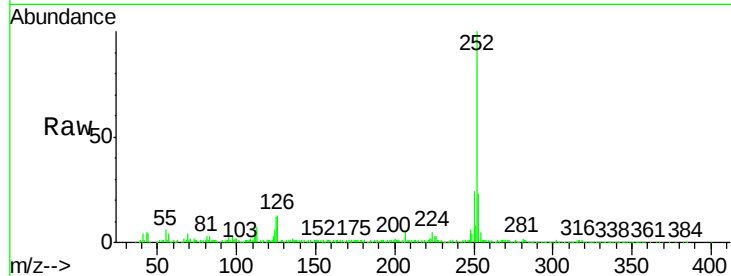




#89
Benzo(k)fluoranthene
Concen: 14.279 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

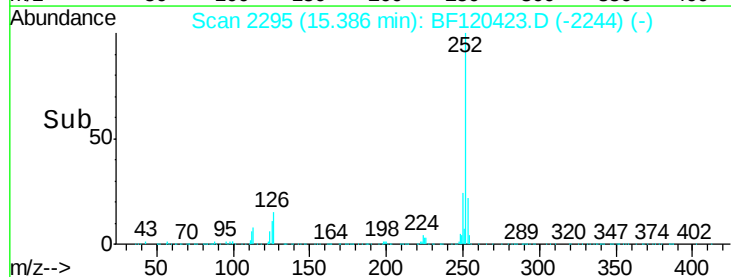
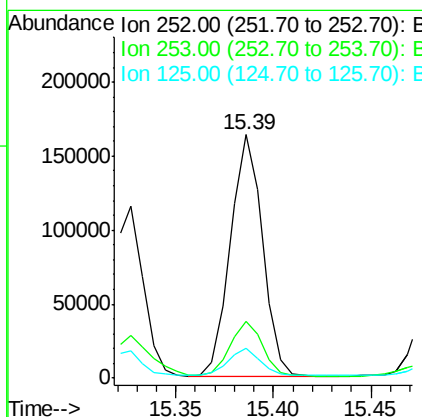
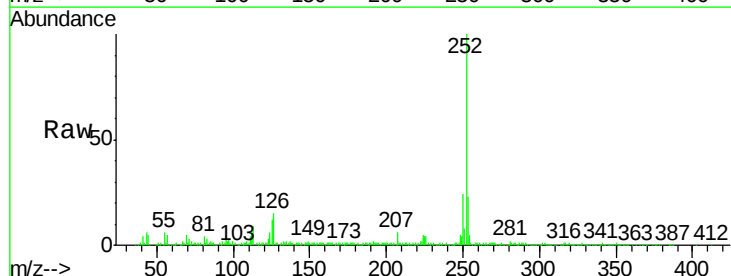
Instrument :
BNA_F
ClientSampleId :
NM67-COMP-2020-0-6

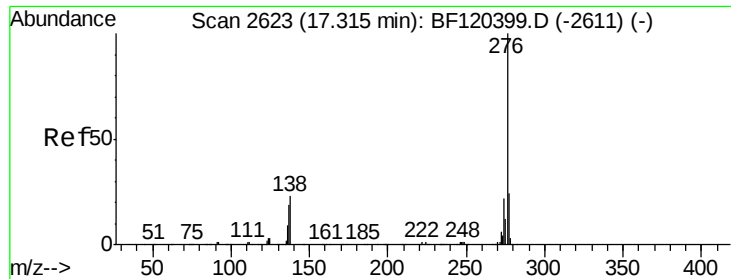
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	11.9	8.0	12.0



#90
Benzo(a)pyrene
Concen: 7.998 ng
RT: 15.39 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BF120423.D
Acq: 28 May 2020 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	12.1	8.7	13.1

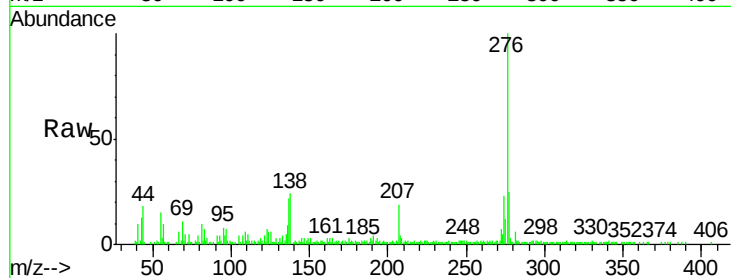




#92
 Benzo(a,h,i)perylene
 Concen: 4.909 ng
 RT: 17.32 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: BF120423.D
 Acq: 28 May 2020 22:24

Instrument :
 BNA_F
 ClientSampleId :
 NM67-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.5	29.3
138	23.6	18.1	27.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

