

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120419.D
 Acq On : 28 May 2020 20:28
 Operator : MA/SJ
 Sample : L2746-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM56-COMP-2020-0-6

Quant Time: May 29 03:28:54 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	249224	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	882666	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	408111	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	708279	20.00	ng	0.00
76) Chrysene-d12	13.99	240	574852	20.00	ng	0.00
86) Perylene-d12	15.45	264	553053	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1146349	87.66	ng	0.00
7) Phenol-d6	6.46	99	1446256	89.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	901327	66.80	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	362099	95.76	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1653098	68.73	ng	0.00
79) Terphenyl-d14	12.95	244	1637086	63.37	ng	0.00

Target Compounds

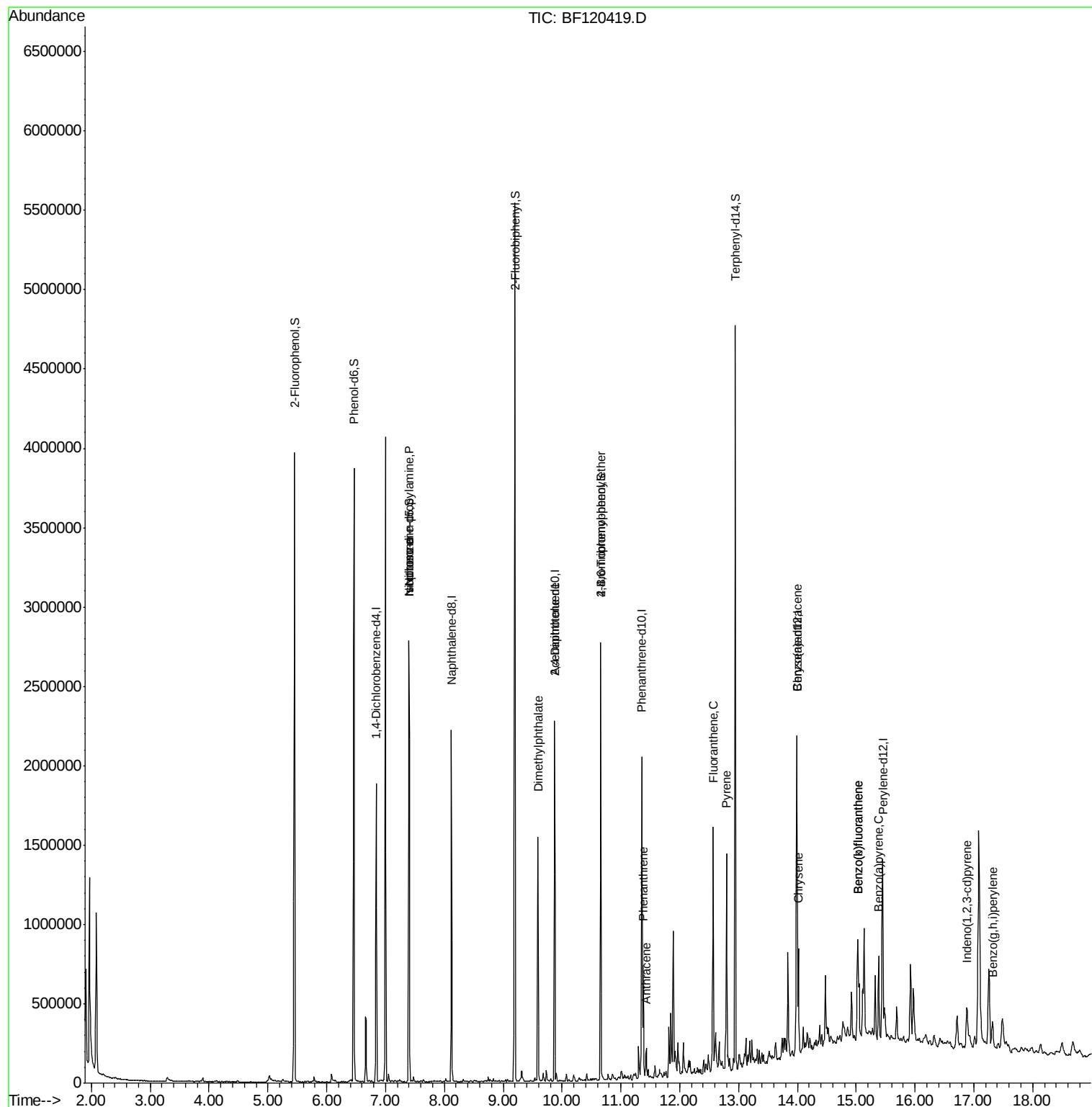
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	121122	11.821	ng	# 80
25) Isophorone	7.40	82	899185	33.155	ng	# 64
50) Dimethylphthalate	9.59	163	621794	24.371	ng	99
57) 2,4-Dinitrotoluene	9.87	165	54521	7.513	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	21850	3.056	ng	# 1
71) Phenanthrene	11.38	178	222914	7.143	ng	98
72) Anthracene	11.43	178	63559	2.030	ng	98
75) Fluoranthene	12.57	202	556804	16.581	ng	98
78) Pyrene	12.80	202	526947	13.181	ng	98
81) Benzo(a)anthracene	13.99	228	294575	9.561	ng	97
83) Chrysene	14.02	228	271287	8.399	ng	97
87) Indeno(1,2,3-cd)pyrene	16.88	276	163222	5.396	ng	95
88) Benzo(b)fluoranthene	15.03	252	495921	16.144	ng	98
89) Benzo(k)fluoranthene	15.03	252	495921	17.293	ng	99
90) Benzo(a)pyrene	15.39	252	260775	9.705	ng	98
92) Benzo(g,h,i)perylene	17.32	276	151442	6.226	ng	96

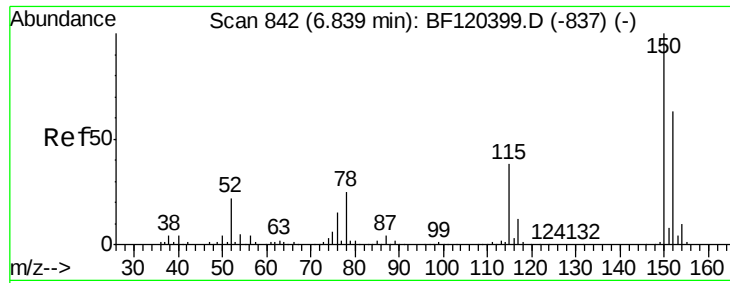
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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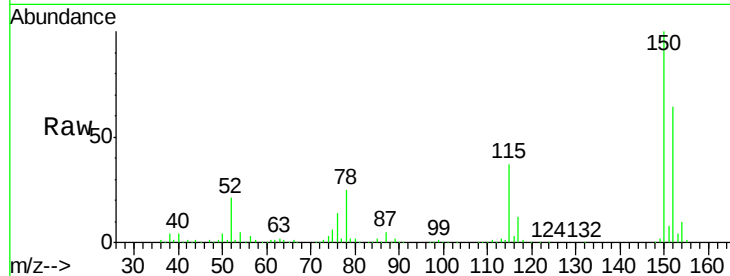


#1

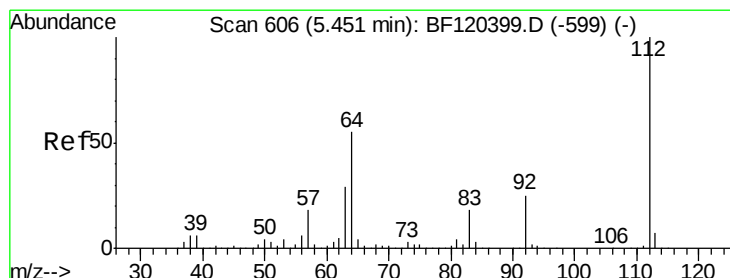
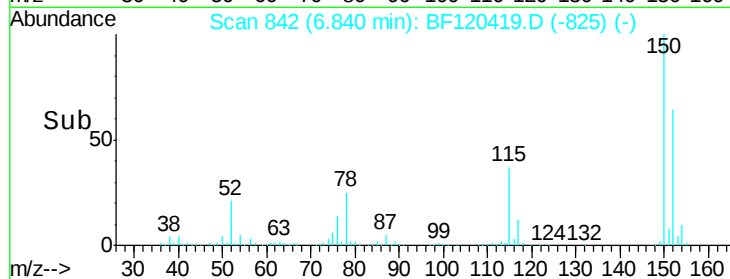
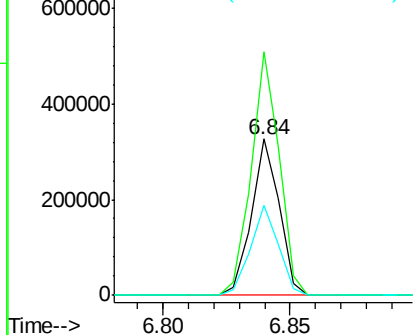
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

Instrument :
BNA_F
ClientSampleId :
NM56-COMP-2020-0-6

Tot Ion:152 Resp: 249224
Ion Ratio Lower Upper
152 100
150 155.6 126.5 189.7
115 57.5 47.6 71.4



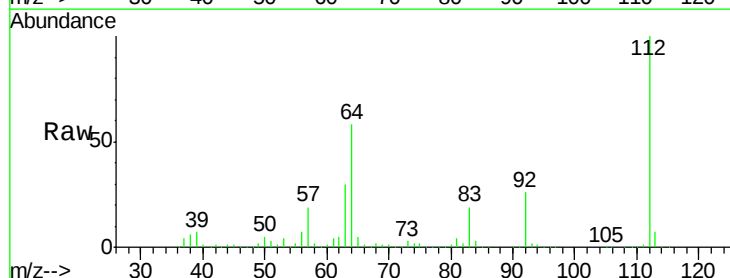
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



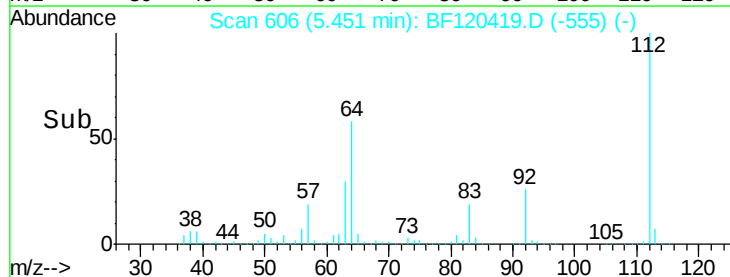
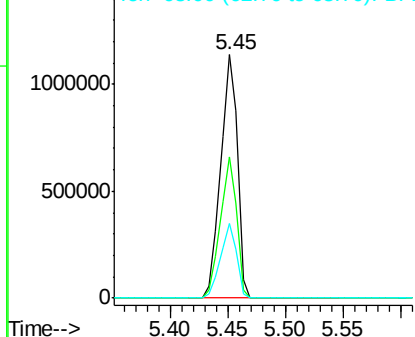
#5

2-Fluorophenol
Concen: 87.658 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

Tgt Ion:112 Resp: 1146349
Ion Ratio Lower Upper
112 100
64 58.1 44.3 66.5
63 30.5 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: 89.724 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Instrument :

BNA_F

ClientSampleId :

NM56-COMP-2020-0-6

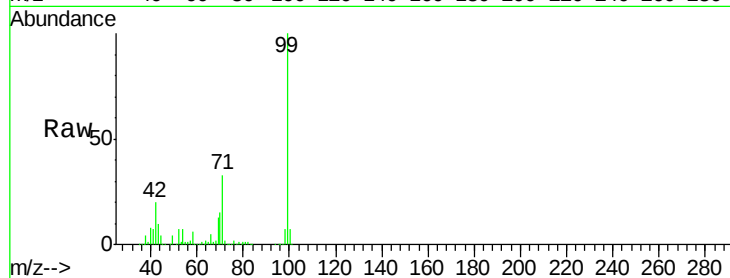
Tot Ion: 99 Resp: 1446256

Ion Ratio Lower Upper

99 100

42 19.8 15.2 22.8

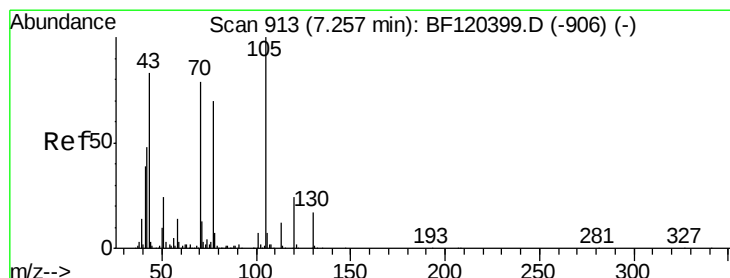
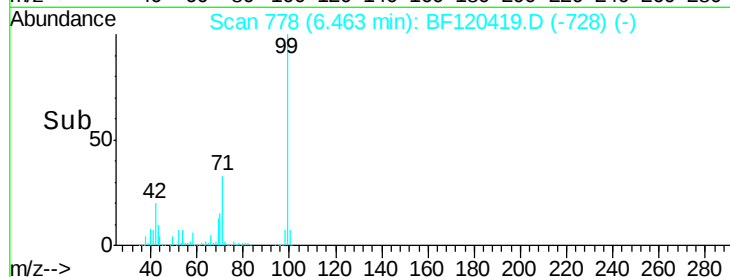
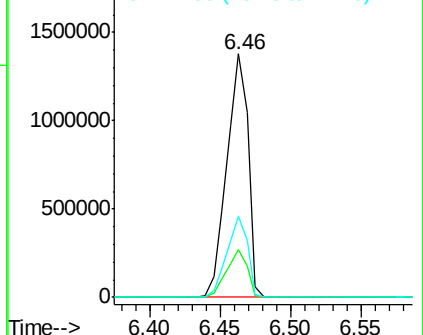
71 33.2 25.6 38.4



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: 11.821 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Tgt Ion: 70 Resp: 121122

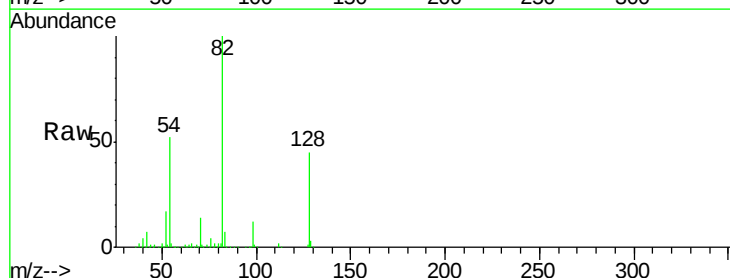
Ion Ratio Lower Upper

70 100

42 51.8 48.9 73.3

101 0.0 7.4 11.2#

130 2.4 16.8 25.2#

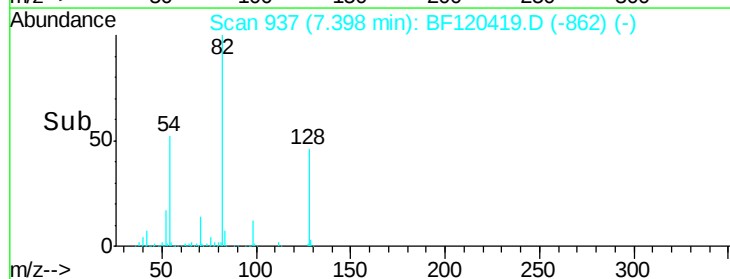
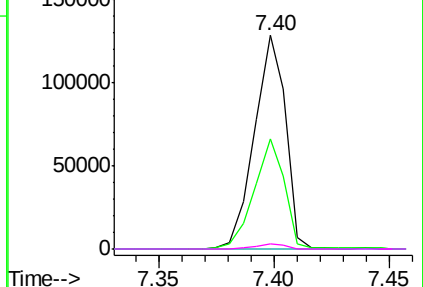


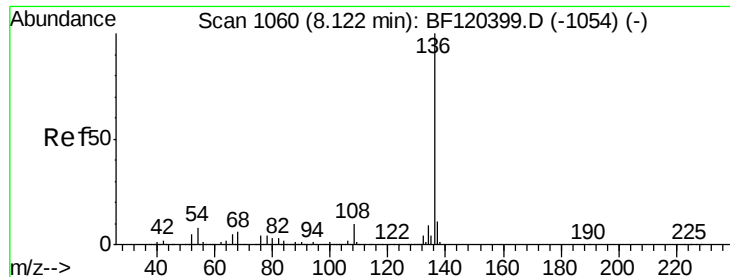
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120419.D

Acq: 28 May 2020 20:28

Instrument :

BNA_F

ClientSampleId :

NM56-COMP-2020-0-6

Tot Ion:136 Resp: 882666

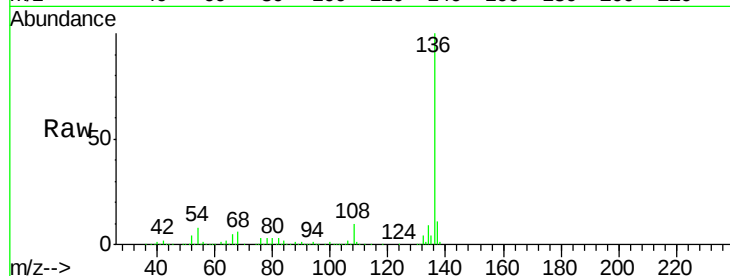
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.6 6.7 10.1

68 6.1 5.0 7.4

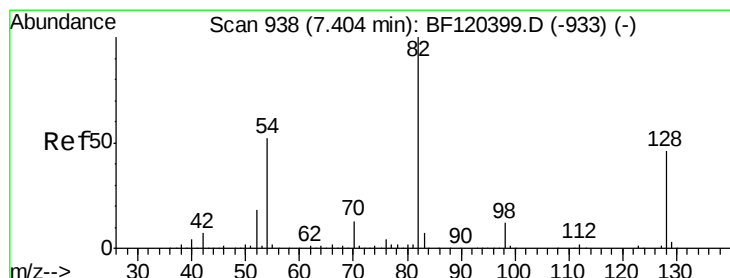
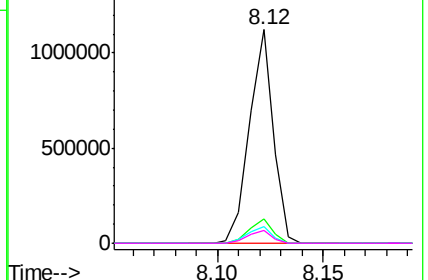
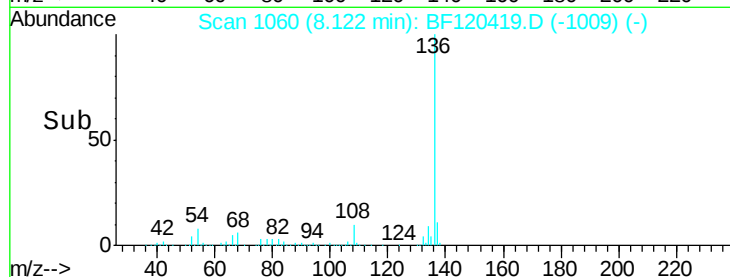


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.796 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

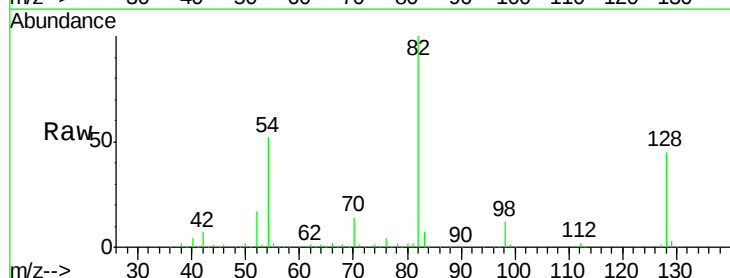
Tgt Ion: 82 Resp: 901327

Ion Ratio Lower Upper

82 100

128 45.5 36.8 55.2

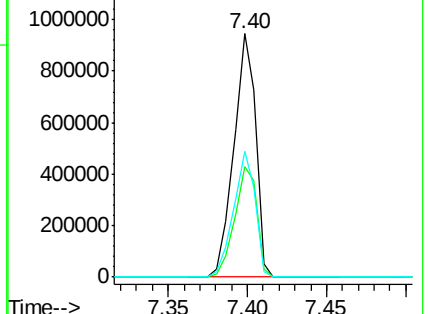
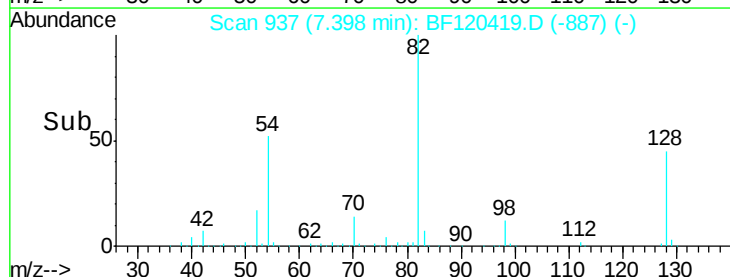
54 51.5 41.6 62.4

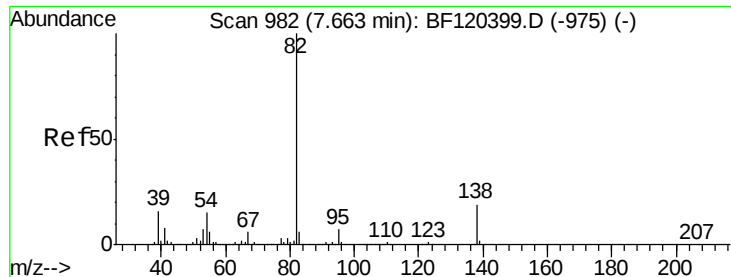


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.155 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Instrument :

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NM56-COMP-2020-0-6

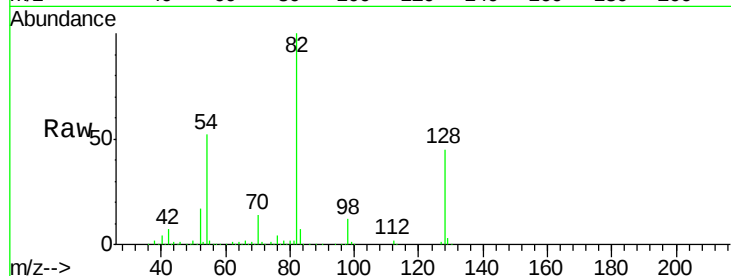
Tot Ion: 82 Resp: 899185

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

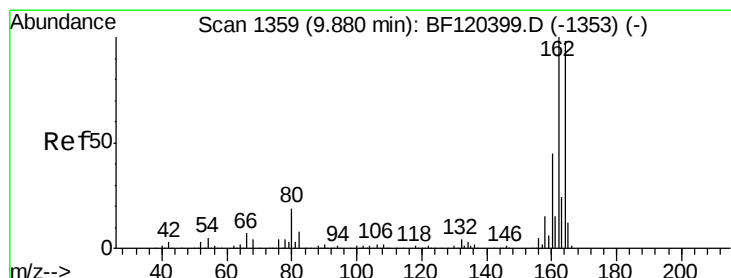
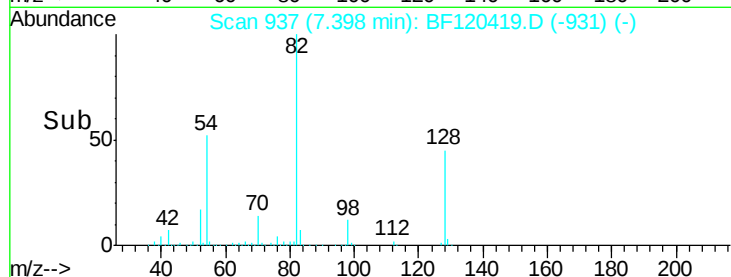
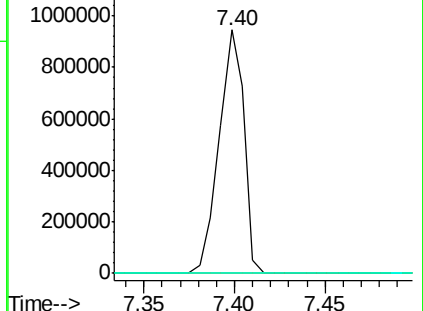
138 0.0 15.0 22.4#



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: BF120419.D

Acq: 28 May 2020 20:28

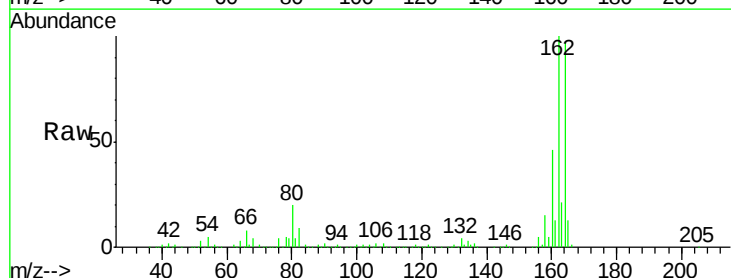
Tgt Ion: 164 Resp: 408111

Ion Ratio Lower Upper

164 100

162 102.8 81.3 121.9

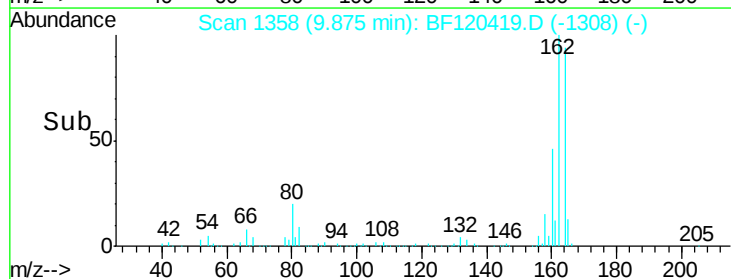
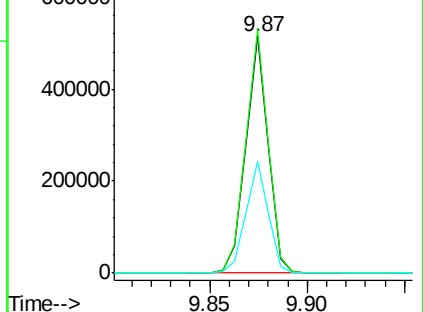
160 47.1 36.9 55.3

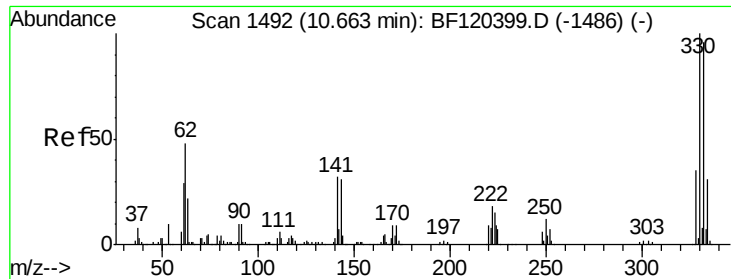


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

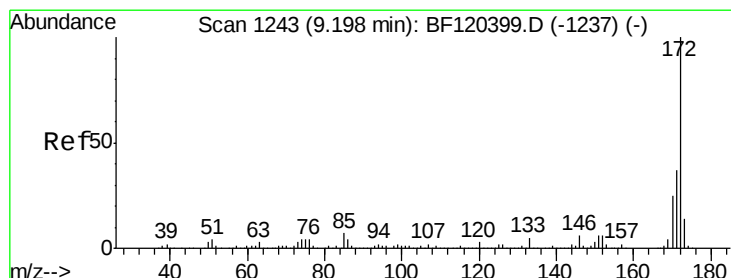
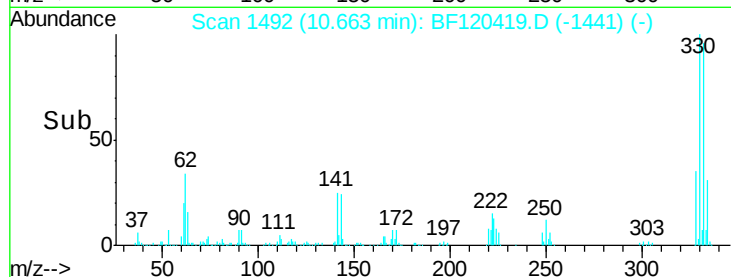
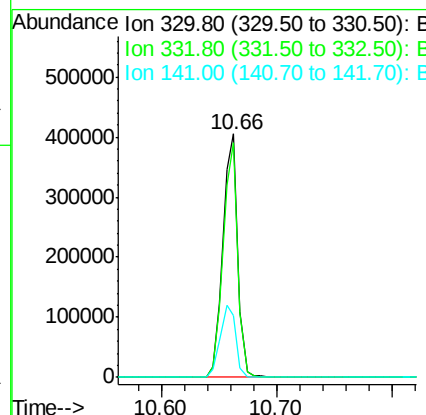
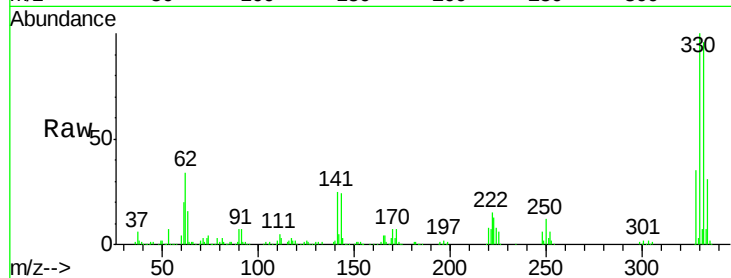




#42
 2,4,6-Tribromophenol
 Concen: 95.760 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120419.D
 Acq: 28 May 2020 20:28

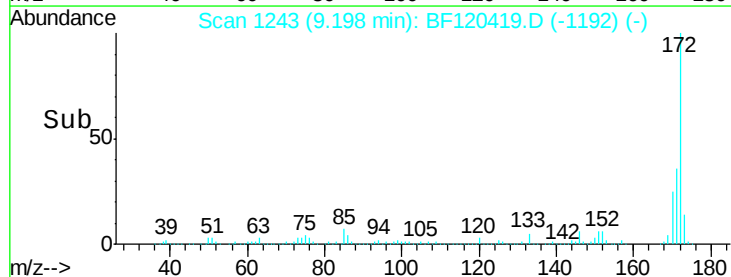
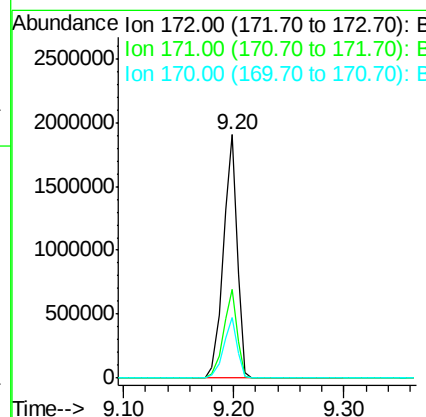
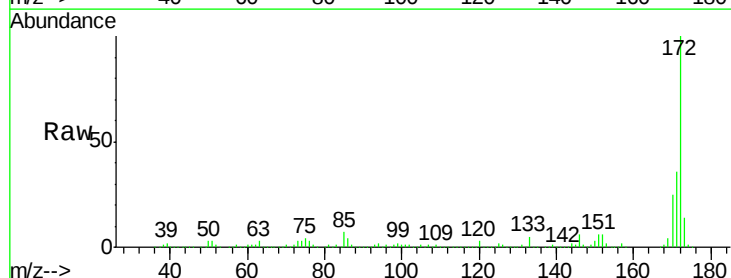
Instrument :
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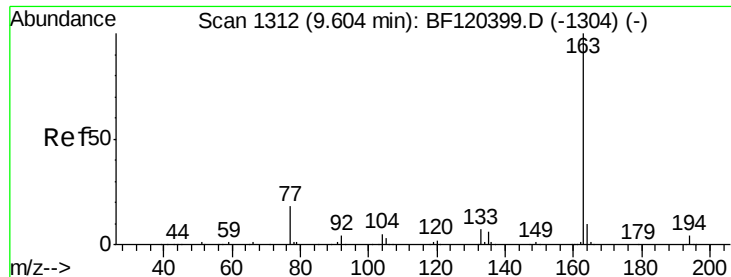
Tot Ion:330 Resp: 362099
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 30.9 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 68.726 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120419.D
 Acq: 28 May 2020 20:28

Tgt Ion:172 Resp: 1653098
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.7 19.9 29.9

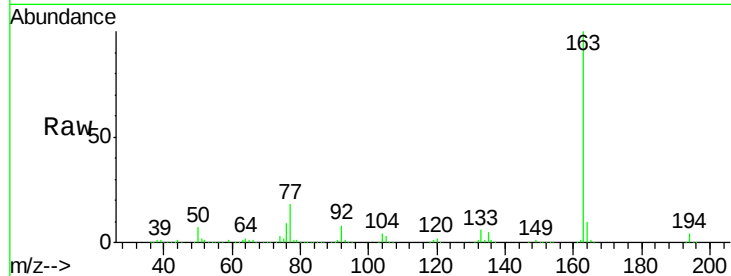




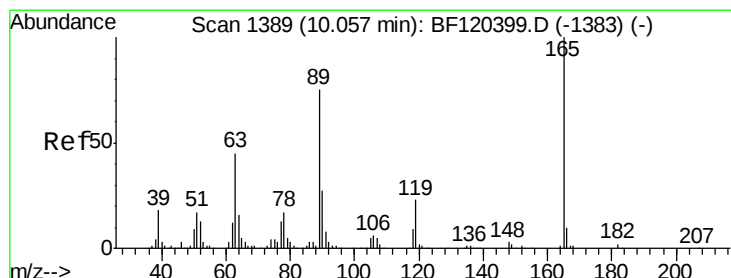
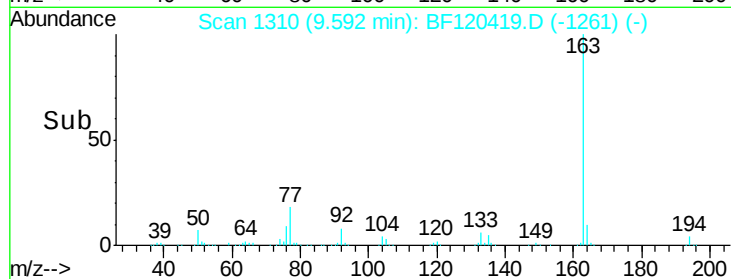
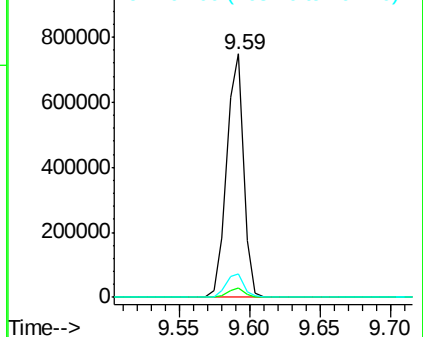
#50
Dimethylphthalate
Concen: 24.371 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

Instrument :
BNA_F
ClientSampleId :
NM56-COMP-2020-0-6

Tot Ion:163 Resp: 621794
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.9 8.3 12.5

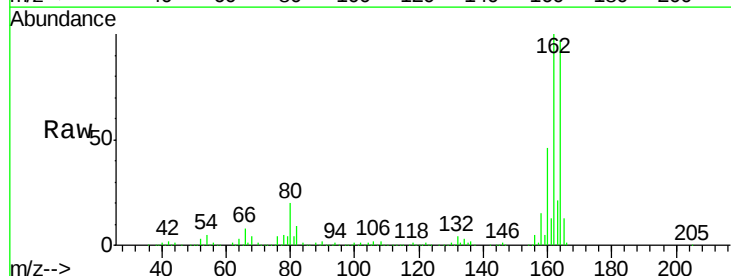


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

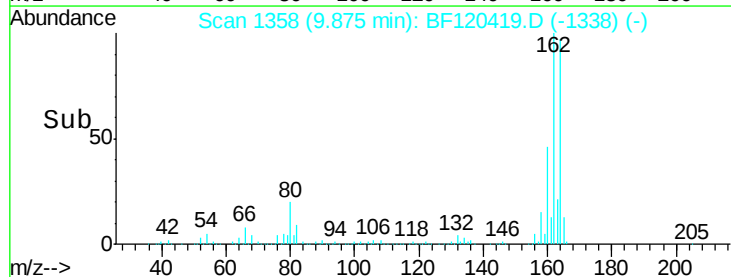
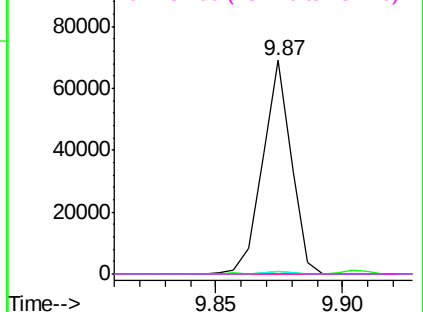


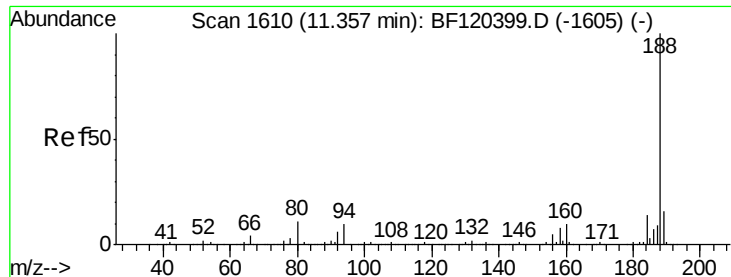
#57
2,4-Dinitrotoluene
Concen: 7.513 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

Tgt Ion:165 Resp: 54521
Ion Ratio Lower Upper
165 100
63 1.1 35.9 53.9#
89 1.1 60.0 90.0#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

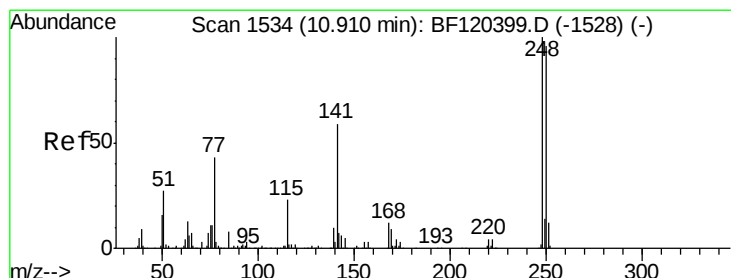
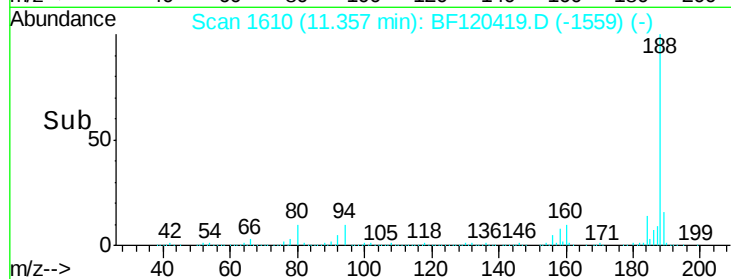
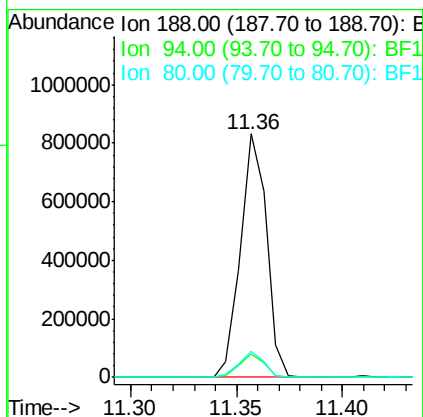
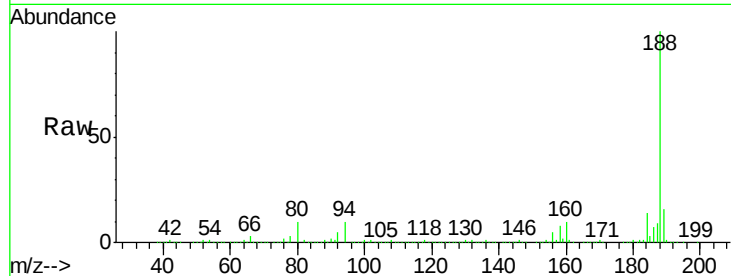




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120419.D
 Acq: 28 May 2020 20:28

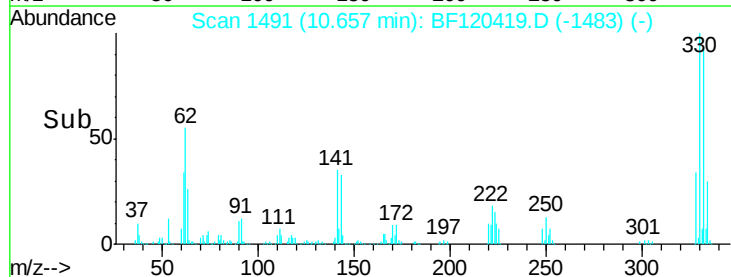
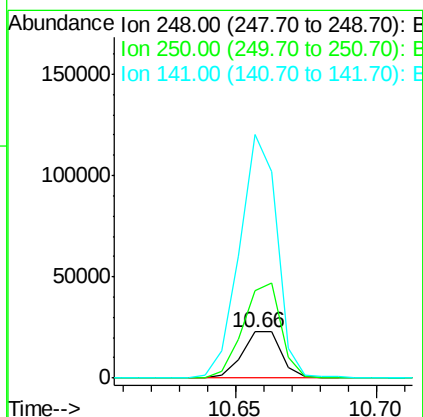
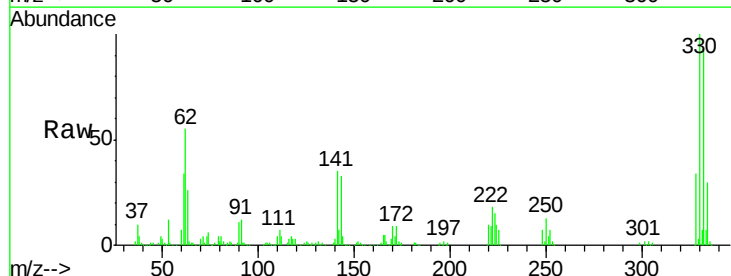
Instrument :
 BNA_F
 ClientSampleId :
 NM56-COMP-2020-0-6

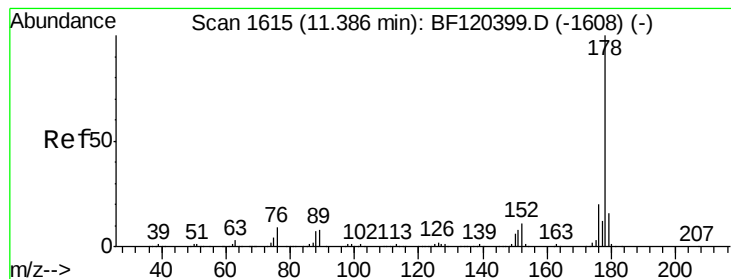
Tot Ion:188 Resp: 708279
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.9 11.9
 80 10.5 8.6 13.0



#67
 4-Bromophenyl-phenylether
 Concen: 3.056 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120419.D
 Acq: 28 May 2020 20:28

Tgt Ion:248 Resp: 21850
 Ion Ratio Lower Upper
 248 100
 250 190.1 76.5 114.7#
 141 525.8 47.2 70.8#





#71

Phenanthrene

Concen: 7.143 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Instrument :

BNA_F

ClientSampleId :

NM56-COMP-2020-0-6

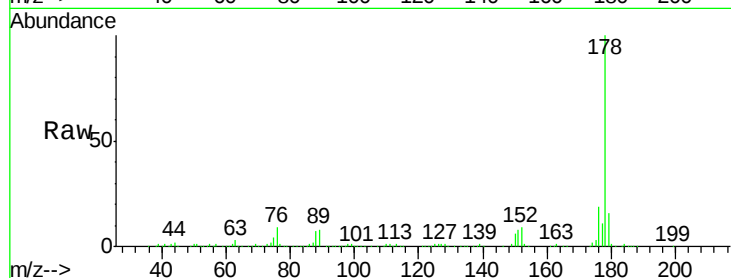
Tot Ion:178 Resp: 222914

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.4	24.6
179	15.7	13.0	19.4

178 100

176 19.2 16.4 24.6

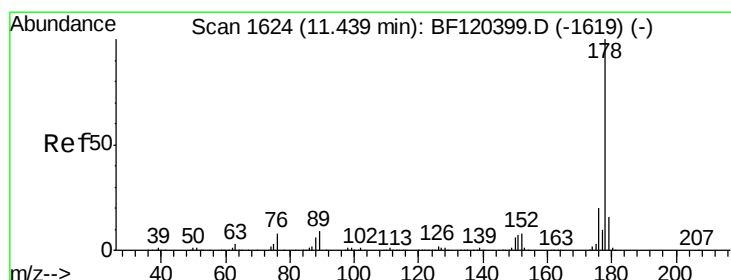
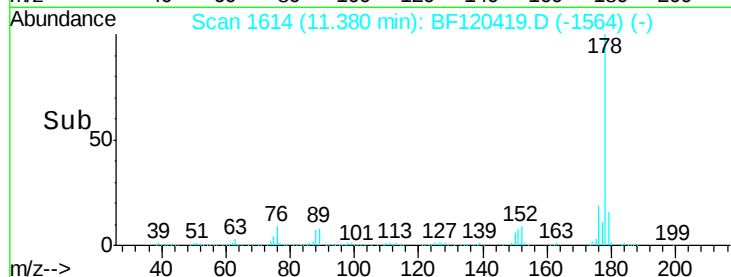
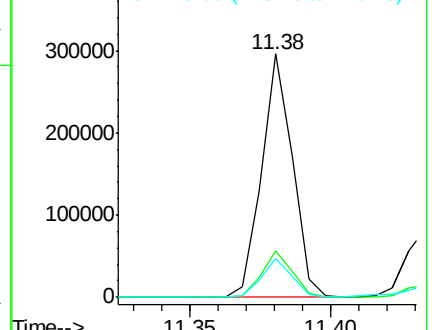
179 15.7 13.0 19.4



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



#72

Anthracene

Concen: 2.030 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

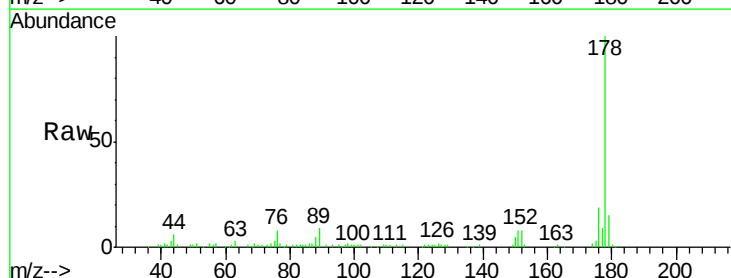
Tgt Ion:178 Resp: 63559

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.4	12.8	19.2

178 100

176 18.9 15.8 23.6

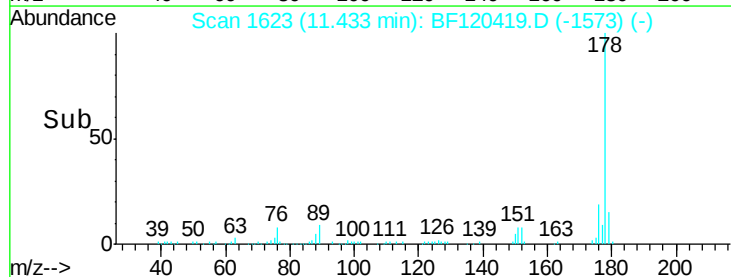
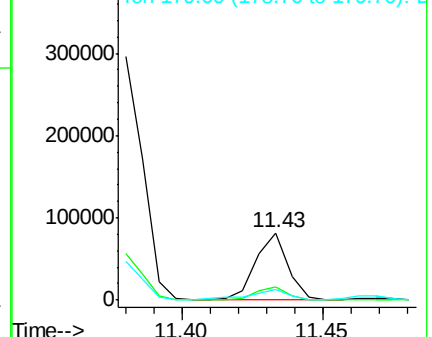
179 15.4 12.8 19.2

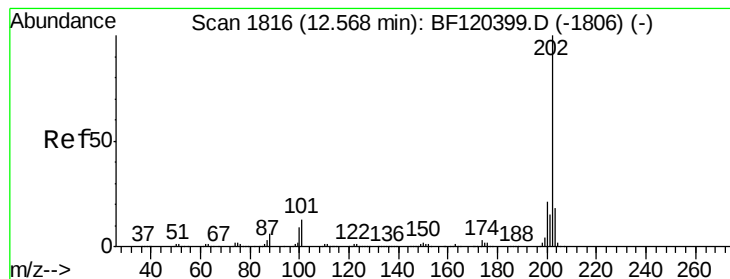


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.581 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Instrument :

BNA_F

ClientSampleId :

NM56-COMP-2020-0-6

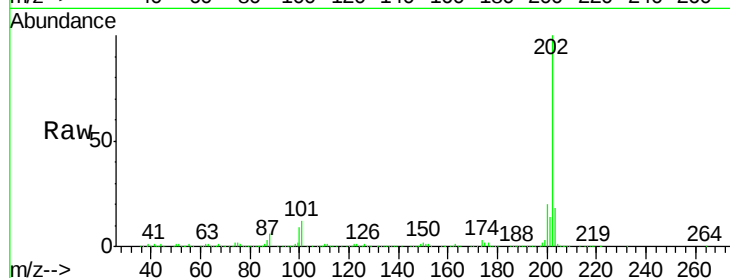
Tot Ion:202 Resp: 556804

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.6

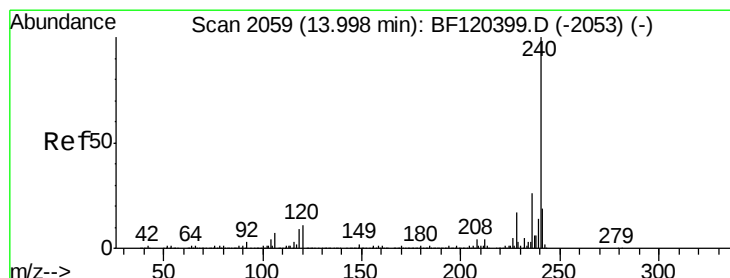
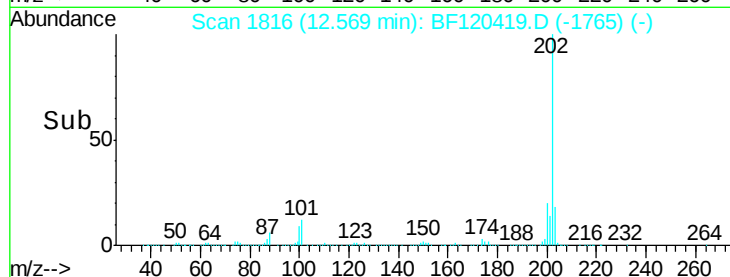
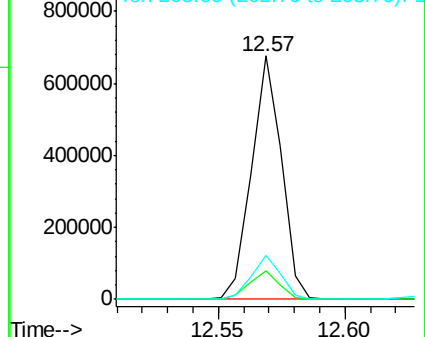
203 17.8 0.0 38.4



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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

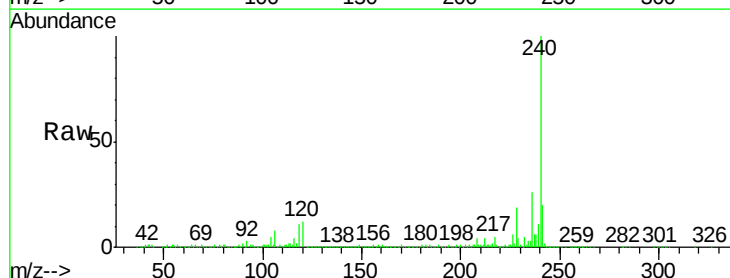
Tgt Ion:240 Resp: 574852

Ion Ratio Lower Upper

240 100

120 12.4 8.8 13.2

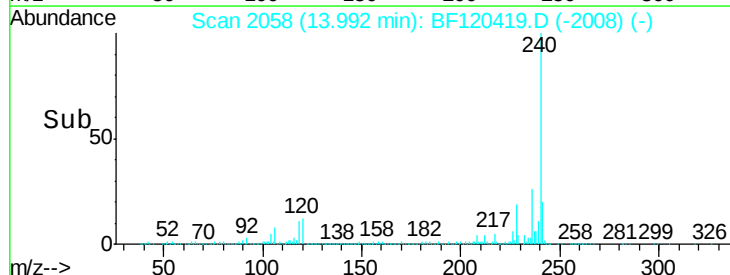
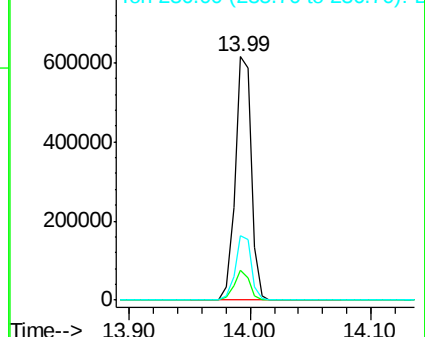
236 26.4 21.0 31.4

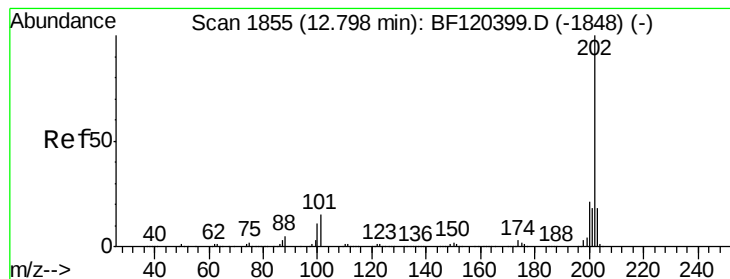


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.181 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Instrument :

BNA_F

ClientSampleId :

NM56-COMP-2020-0-6

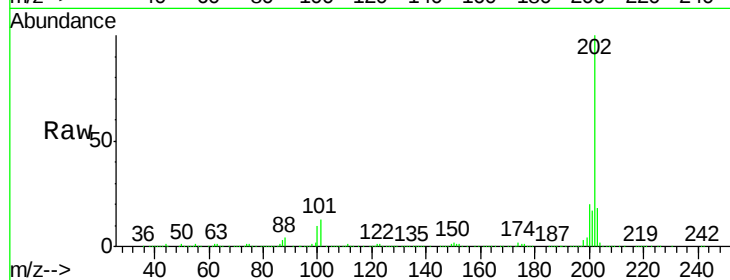
Tot Ion:202 Resp: 526947

Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.4

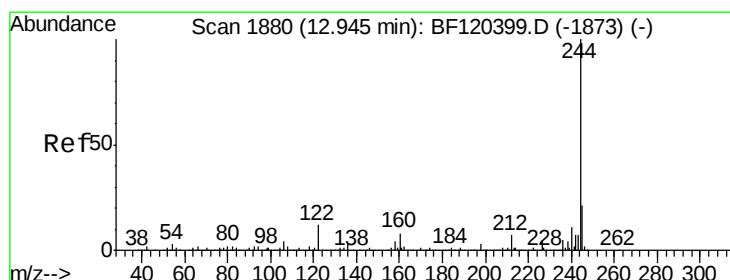
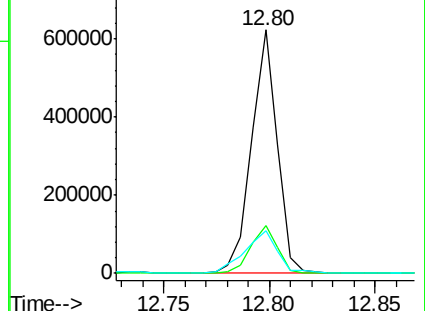
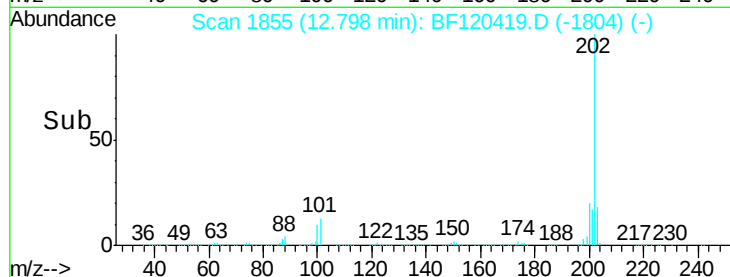
203 17.7 14.7 22.1



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: 63.371 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

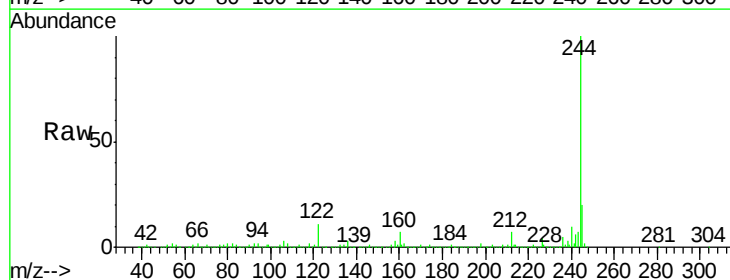
Tgt Ion:244 Resp: 1637086

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

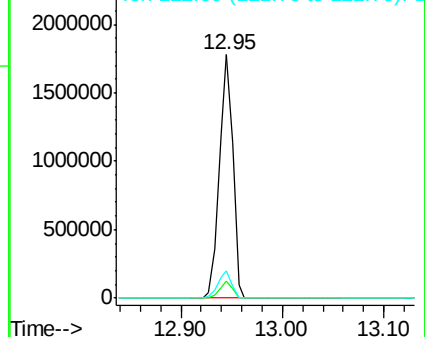
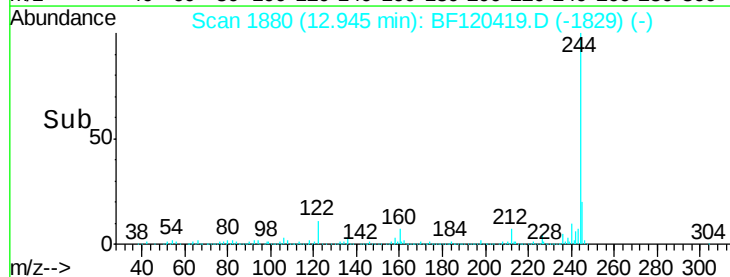
122 11.3 9.2 13.8

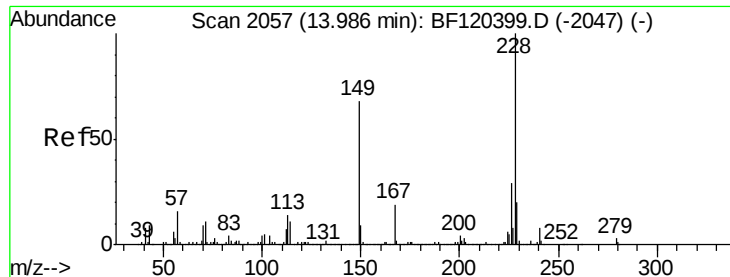


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 9.561 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Instrument :

BNA_F

ClientSampleId :

NM56-COMP-2020-0-6

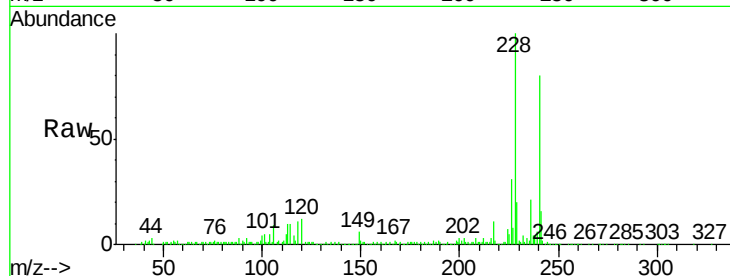
Tot Ion:228 Resp: 294575

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

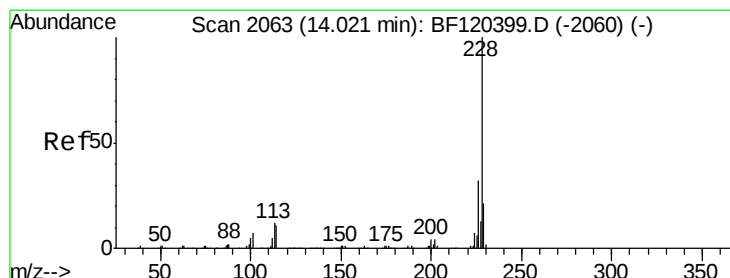
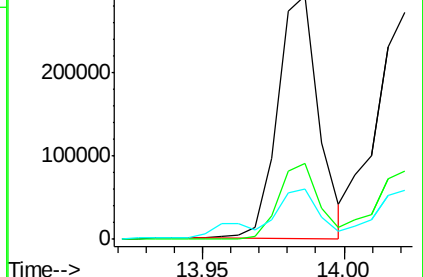
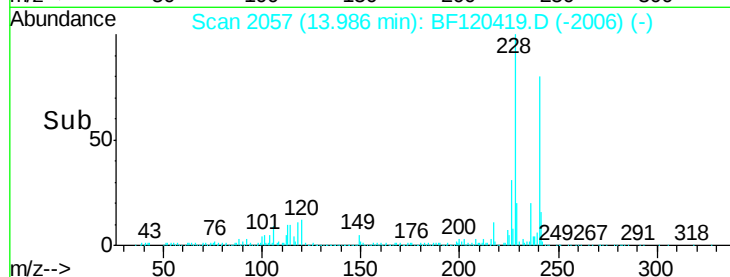
229 20.5 16.2 24.4



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: 8.399 ng

RT: 14.02 min Scan# 2063

Delta R.T. 0.00 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

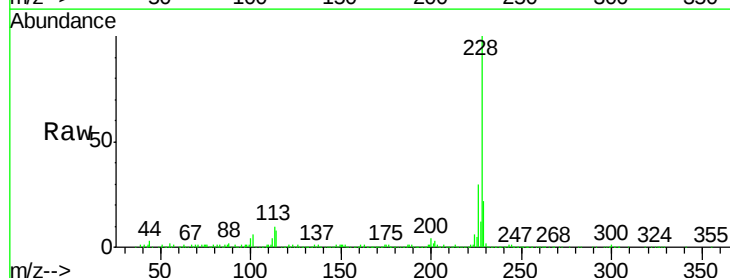
Tgt Ion:228 Resp: 271287

Ion Ratio Lower Upper

228 100

226 30.0 25.6 38.4

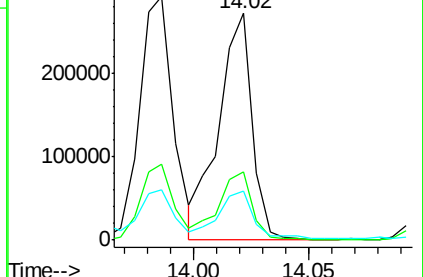
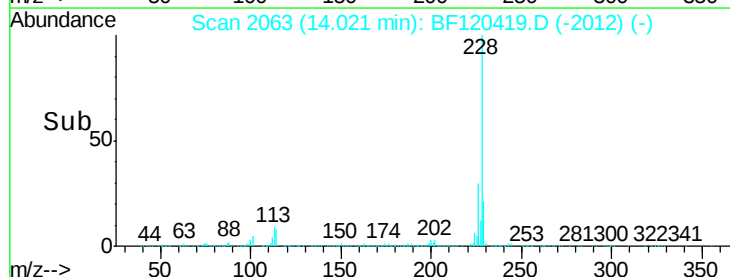
229 21.7 16.6 25.0

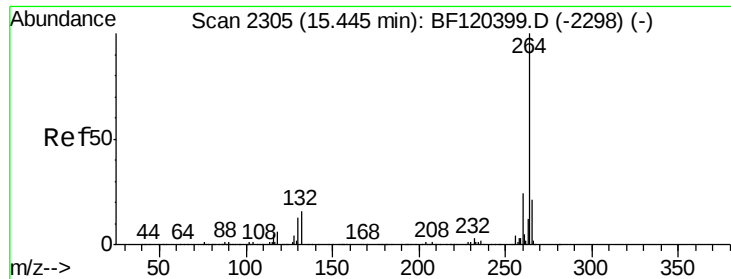


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

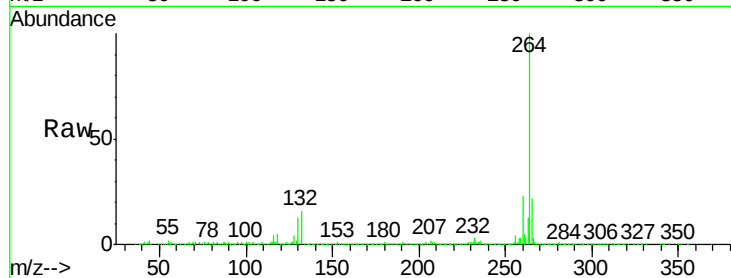




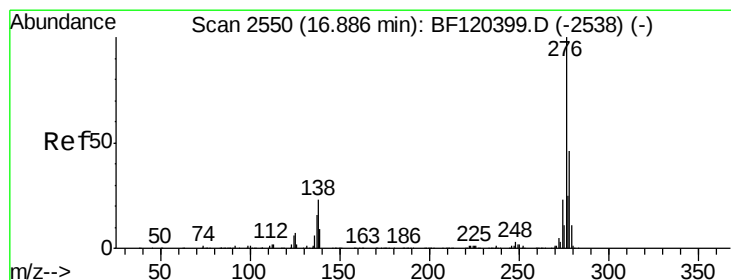
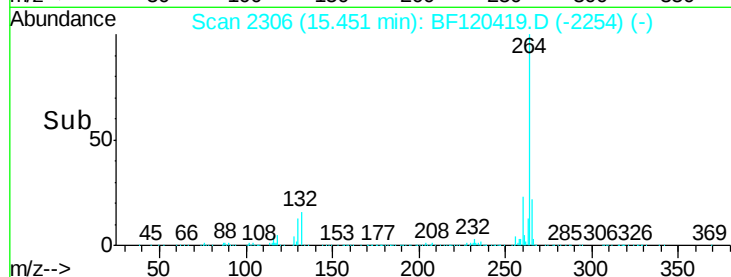
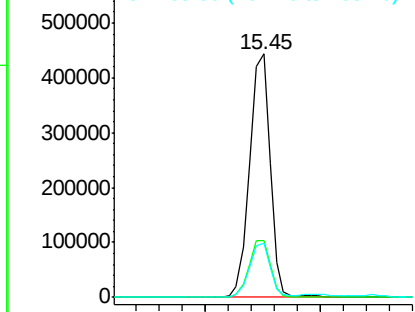
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

Instrument :
BNA_F
ClientSampleId :
NM56-COMP-2020-0-6

Tot Ion:264 Resp: 553053
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 22.0 16.9 25.3

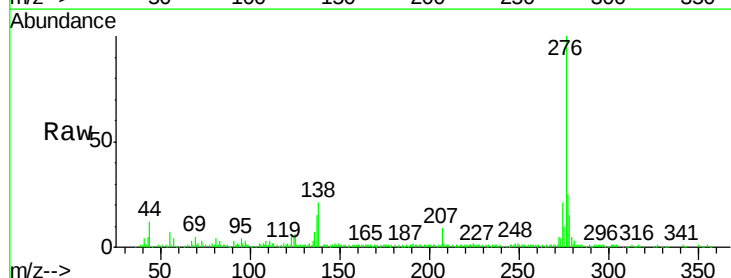


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

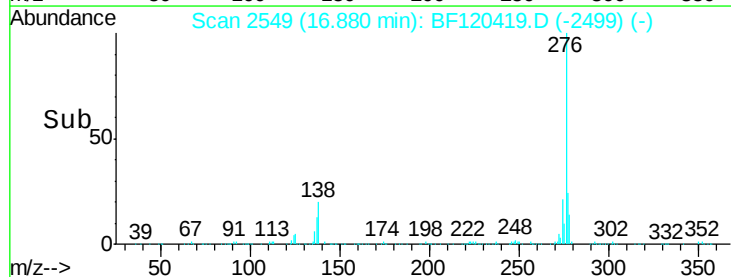
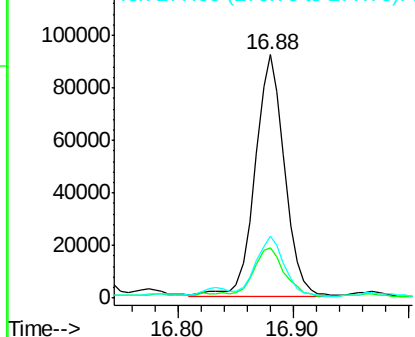


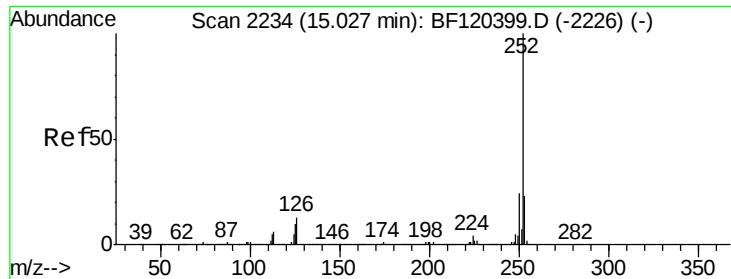
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.396 ng
RT: 16.88 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

Tgt Ion:276 Resp: 163222
Ion Ratio Lower Upper
276 100
138 22.3 20.4 30.6
277 24.0 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

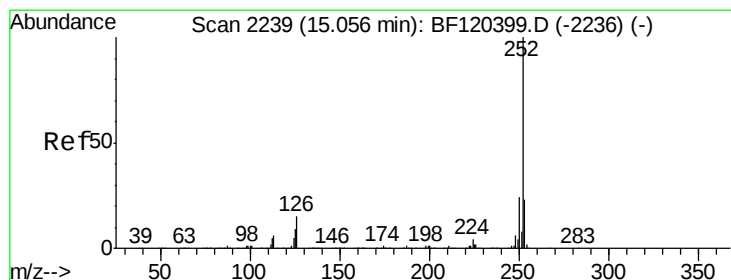
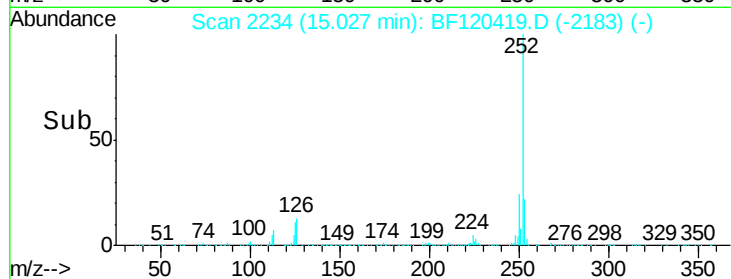
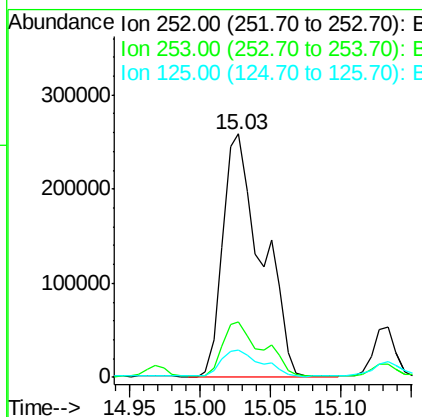
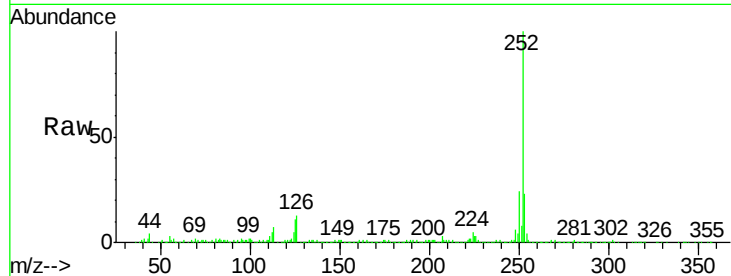




#88
Benzo(b)fluoranthene
Concen: 16.144 ng
RT: 15.03 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

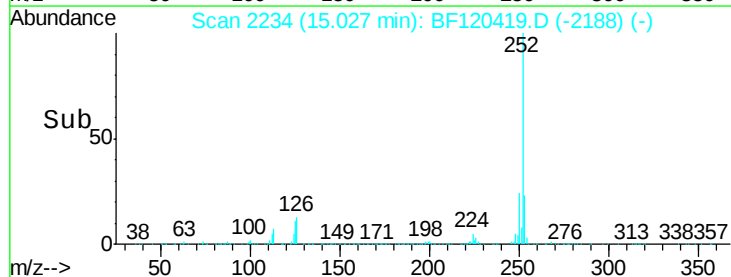
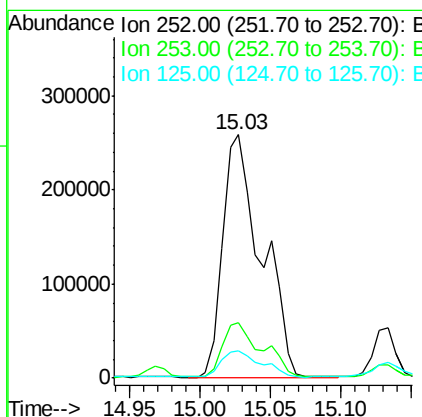
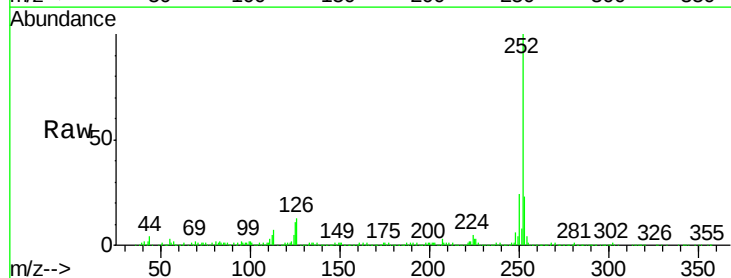
Instrument :
BNA_F
ClientSampleId :
NM56-COMP-2020-0-6

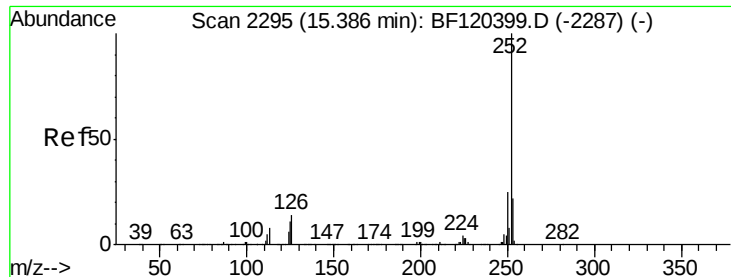
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.2	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 17.293 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120419.D
Acq: 28 May 2020 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	11.2	8.0	12.0





#90

Benzo(a)pyrene

Concen: 9.705 ng

RT: 15.39 min Scan# 2295

Delta R.T. 0.00 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

Instrument:

BNA_F

ClientSampleId:

NM56-COMP-2020-0-6

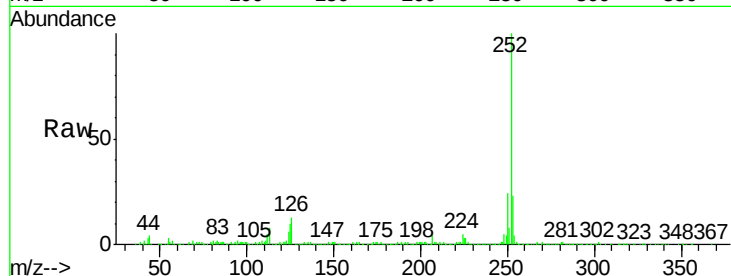
Tot Ion:252 Resp: 260775

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

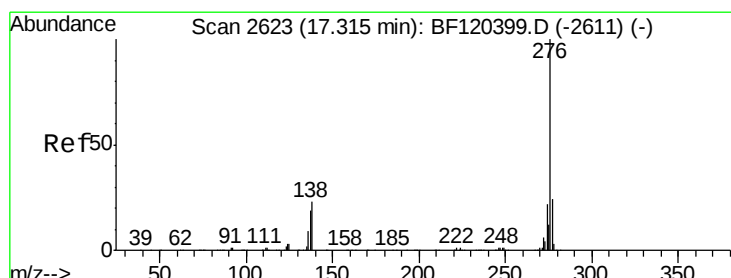
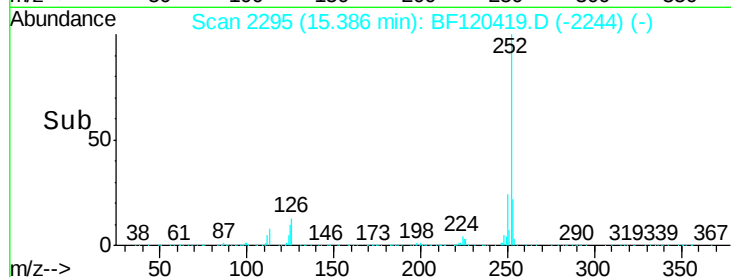
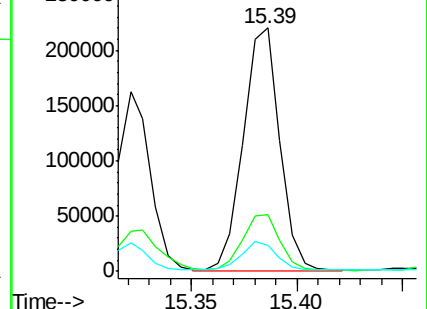
125 10.5 8.7 13.1



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



#92

Benzo(g,h,i)perylene

Concen: 6.226 ng

RT: 17.32 min Scan# 2623

Delta R.T. 0.00 min

Lab File: BF120419.D

Acq: 28 May 2020 20:28

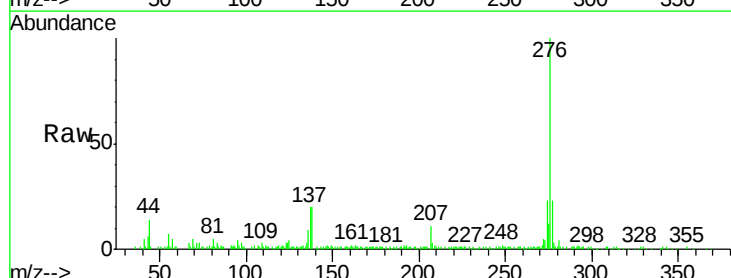
Tgt Ion:276 Resp: 151442

Ion Ratio Lower Upper

276 100

277 23.1 19.5 29.3

138 20.3 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

