

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120411.D
 Acq On : 28 May 2020 16:38
 Operator : MA/SJ
 Sample : L2744-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

Quant Time: May 29 02:09:14 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	277175	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1001396	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	476494	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	795762	20.00	ng	0.00
76) Chrysene-d12	13.99	240	547789	20.00	ng	0.00
86) Perylene-d12	15.44	264	583518	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1432957	98.52	ng	0.00
7) Phenol-d6	6.46	99	1803257	100.59	ng	0.00
23) Nitrobenzene-d5	7.40	82	1153603	75.36	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	443032	100.35	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2039914	72.64	ng	0.00
79) Terphenyl-d14	12.94	244	1841616	74.81	ng	0.00

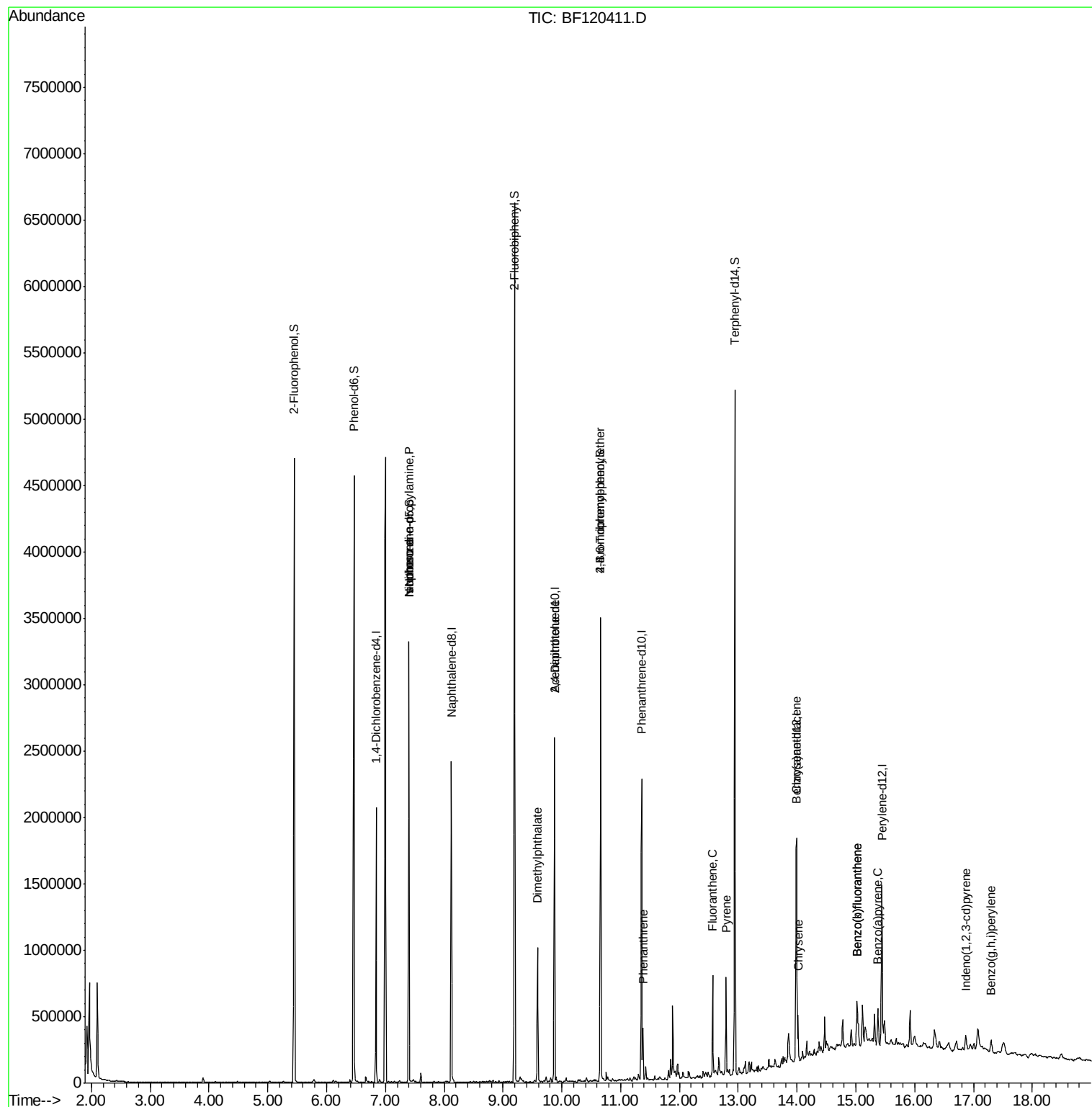
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	154596	13.566	ng	# 79
25) Isophorone	7.40	82	1149324	37.354	ng	# 64
50) Dimethylphthalate	9.59	163	354573	11.903	ng	99
57) 2,4-Dinitrotoluene	9.87	165	62576	7.386	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	26360	3.282	ng	# 1
71) Phenanthrene	11.38	178	134254	3.829	ng	98
75) Fluoranthene	12.56	202	296335	7.854	ng	100
78) Pyrene	12.79	202	278362	7.307	ng	98
81) Benzo(a)anthracene	13.98	228	142894	4.867	ng	98
83) Chrysene	14.02	228	135069	4.388	ng	98
87) Indeno(1,2,3-cd)pyrene	16.87	276	87198	2.732	ng	94
88) Benzo(b)fluoranthene	15.02	252	247552	7.638	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	247552	8.182	ng	# 96
90) Benzo(a)pyrene	15.37	252	135156	4.768	ng	98
92) Benzo(a,h,i)perylene	17.30	276	81918	3.192	ng	99

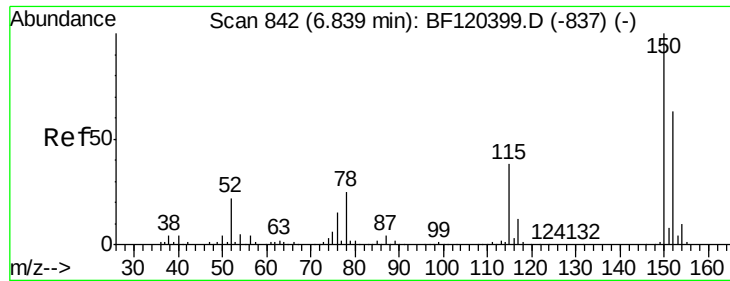
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
Data File : BF120411.D
Acq On : 28 May 2020 16:38
Operator : MA/SJ
Sample : L2744-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM51-COMP-2020-0-6

Quant Time: May 29 02:09:14 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



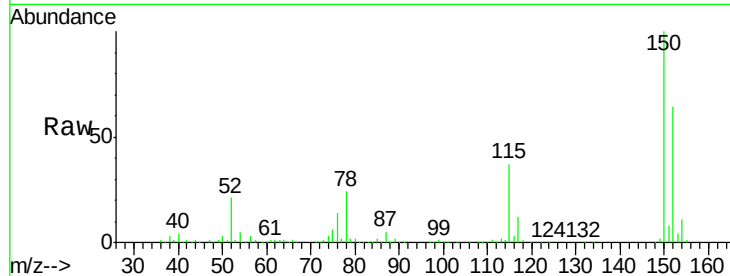


#1

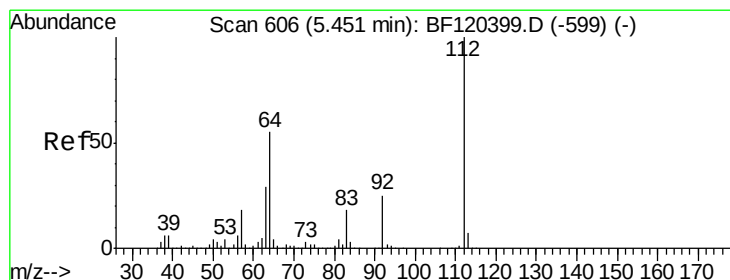
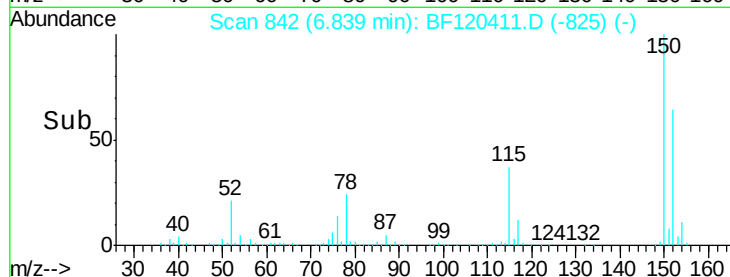
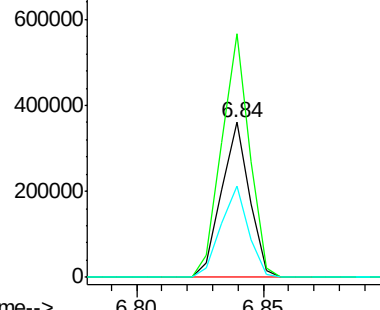
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Instrument :
BNA_F
ClientSampleId :
NM51-COMP-2020-0-6

Tot Ion:152 Resp: 277175
Ion Ratio Lower Upper
152 100
150 156.9 126.5 189.7
115 58.4 47.6 71.4



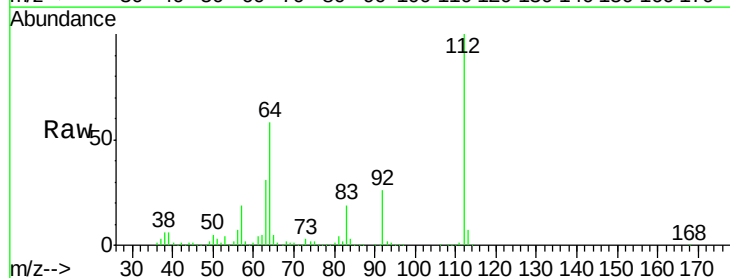
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



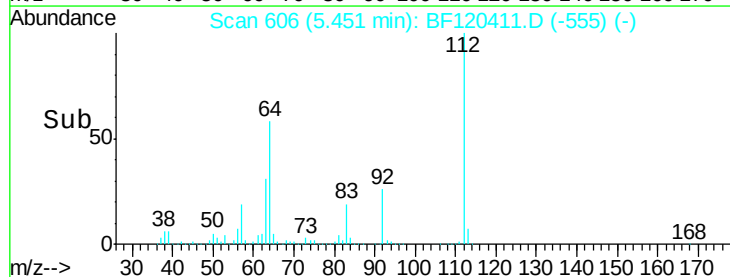
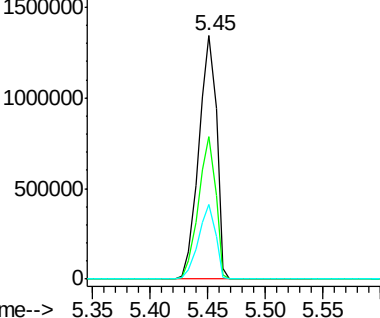
#5

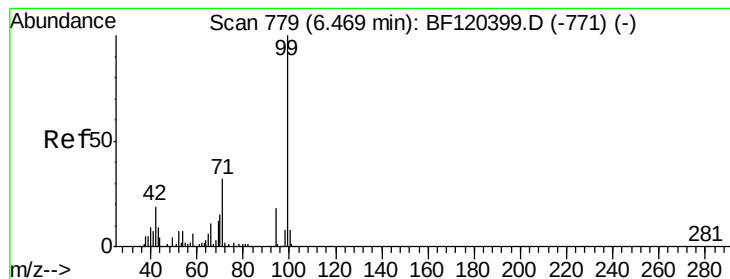
2-Fluorophenol
Concen: 98.525 ng
RT: 5.45 min Scan# 606
Delta R.T. -0.00 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Tgt Ion:112 Resp: 1432957
Ion Ratio Lower Upper
112 100
64 58.5 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: 100.590 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

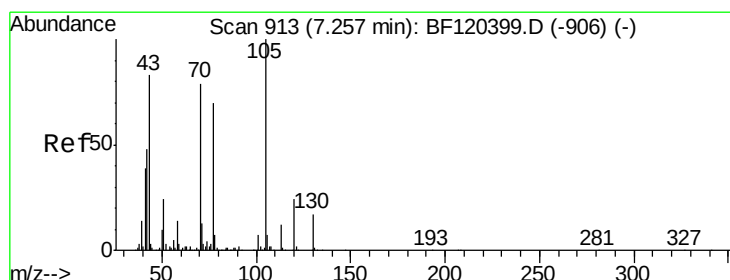
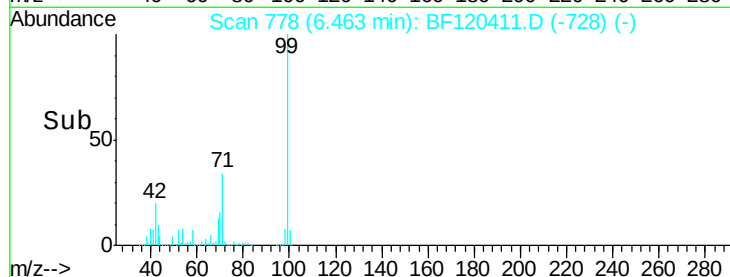
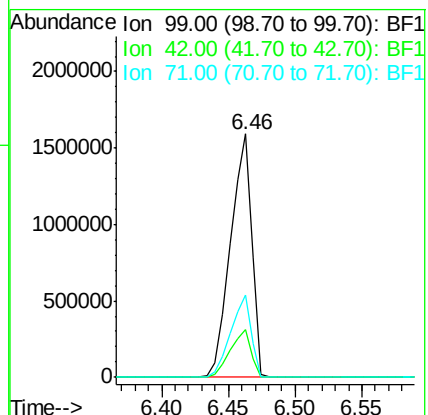
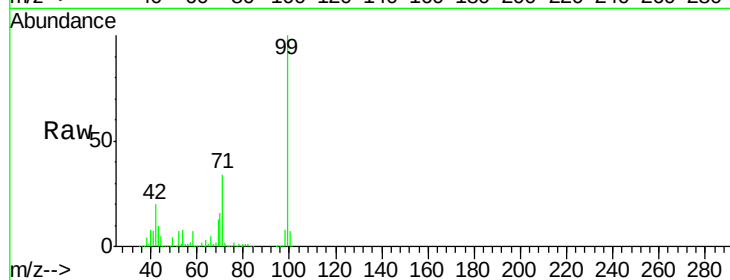
Tot Ion: 99 Resp: 1803257

Ion Ratio Lower Upper

99 100

42 19.6 15.2 22.8

71 33.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.566 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Tgt Ion: 70 Resp: 154596

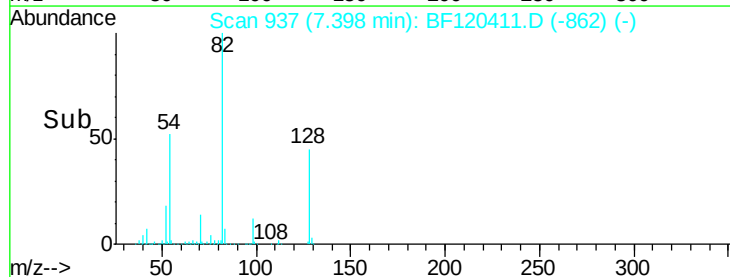
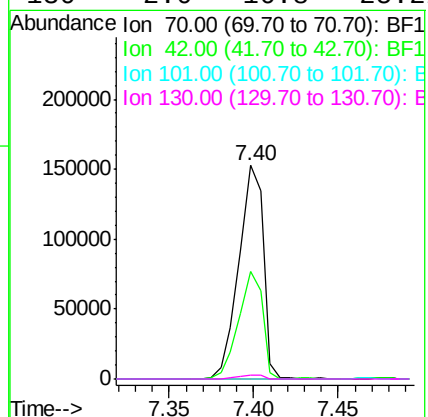
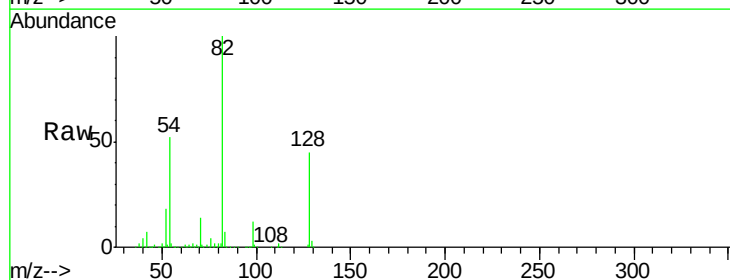
Ion Ratio Lower Upper

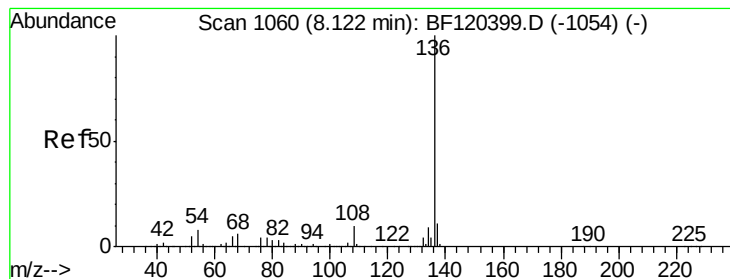
70 100

42 50.4 48.9 73.3

101 0.0 7.4 11.2#

130 2.0 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: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

Tot Ion:136 Resp: 1001396

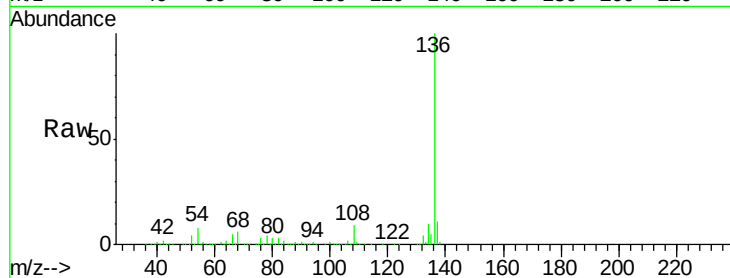
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.6 6.7 10.1

68 5.9 5.0 7.4

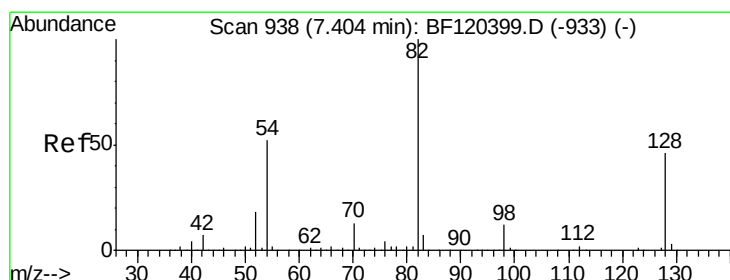
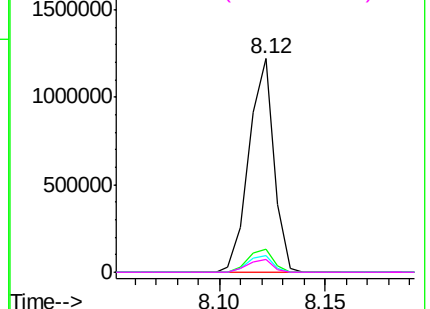
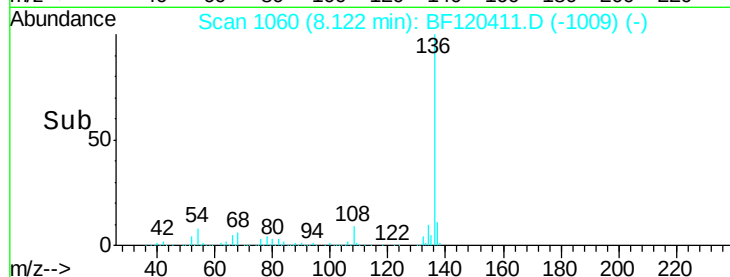


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.356 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

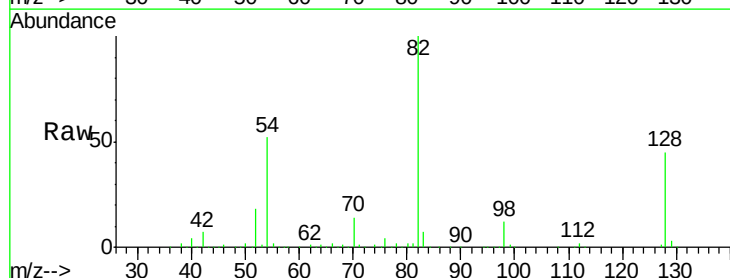
Tgt Ion: 82 Resp: 1153603

Ion Ratio Lower Upper

82 100

128 44.6 36.8 55.2

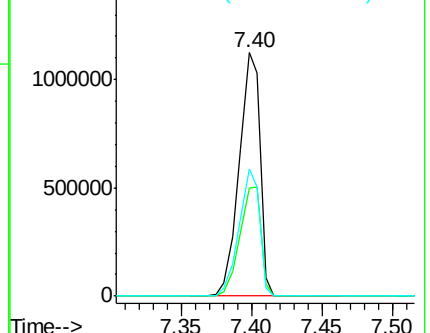
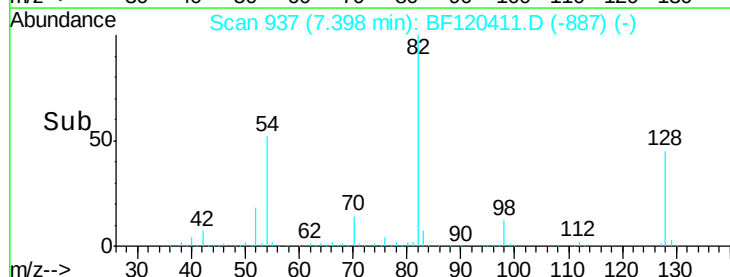
54 52.1 41.6 62.4

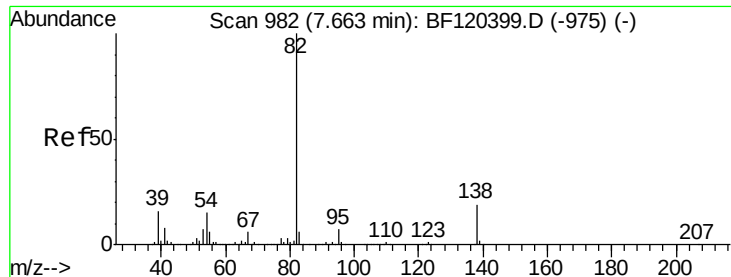


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.354 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

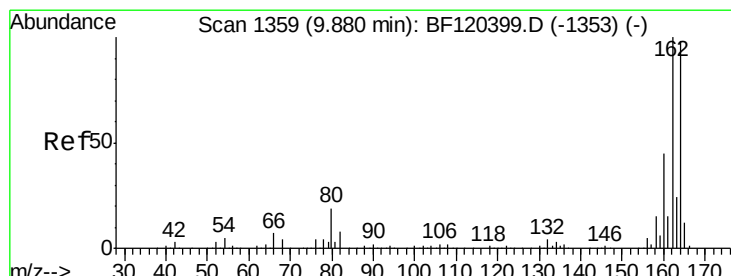
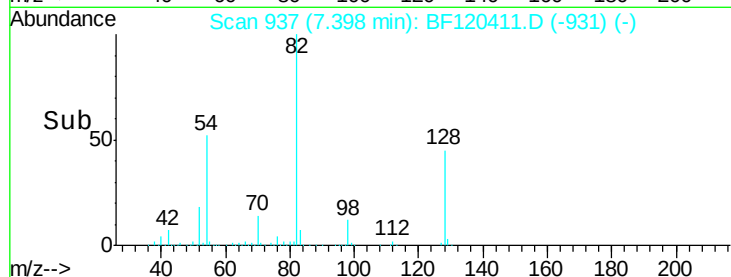
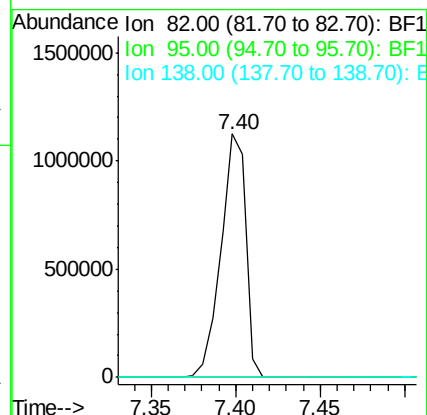
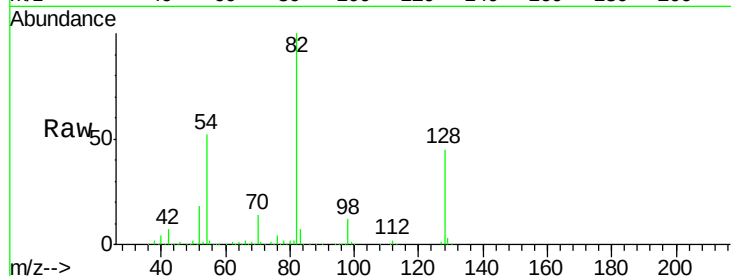
Tot Ion: 82 Resp: 1149324

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

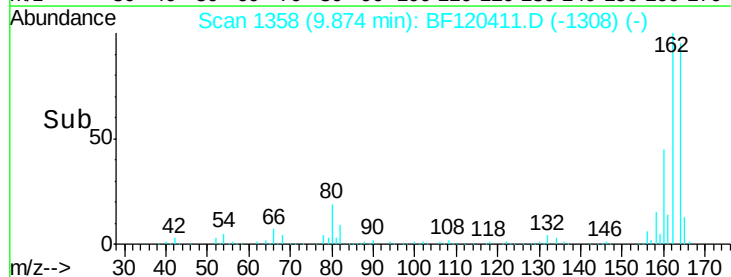
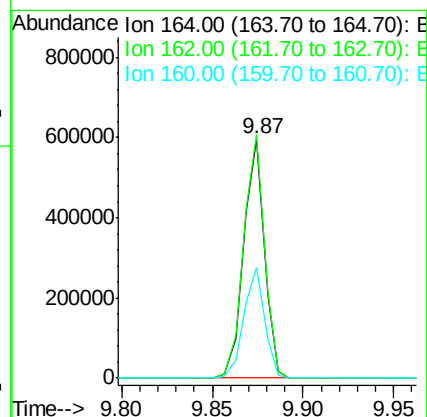
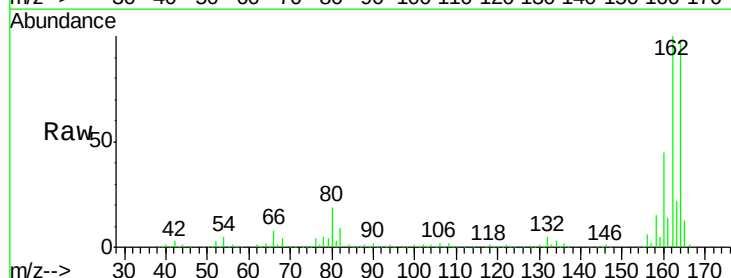
Tgt Ion:164 Resp: 476494

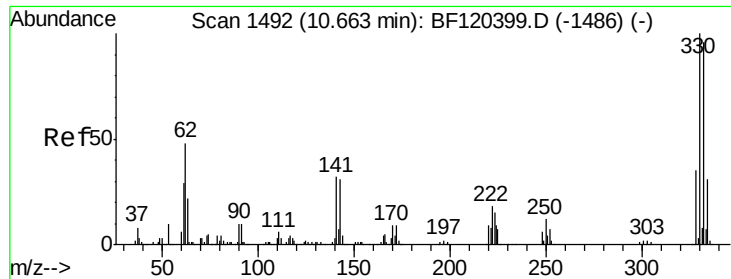
Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

160 46.2 36.9 55.3

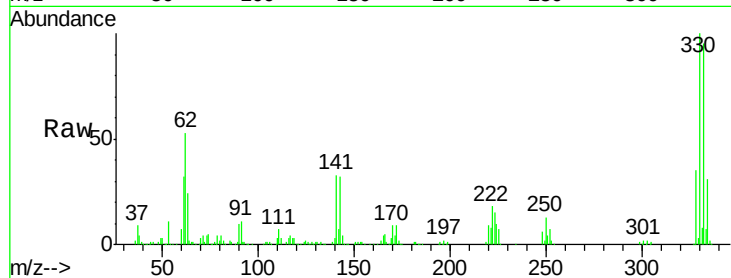




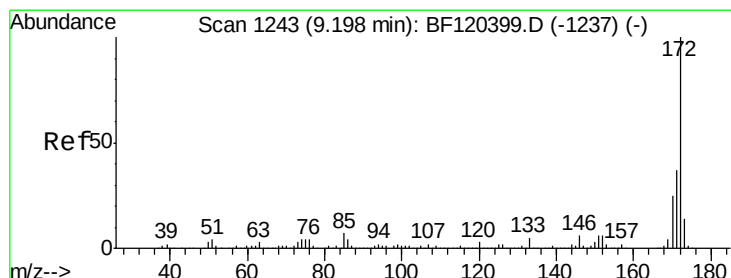
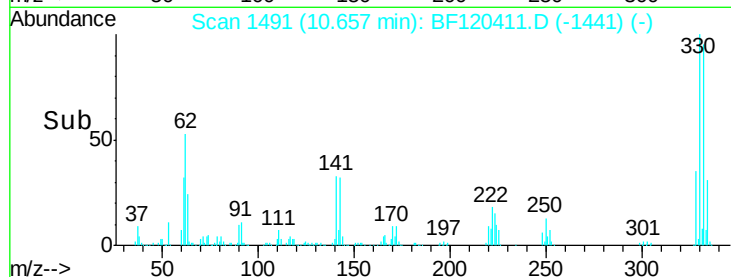
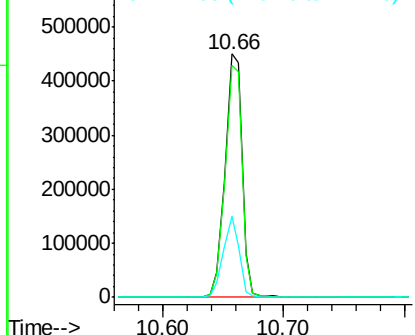
#42
 2,4,6-Tribromophenol
 Concen: 100.349 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

Tot Ion:330 Resp: 443032
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 31.0 25.3 37.9

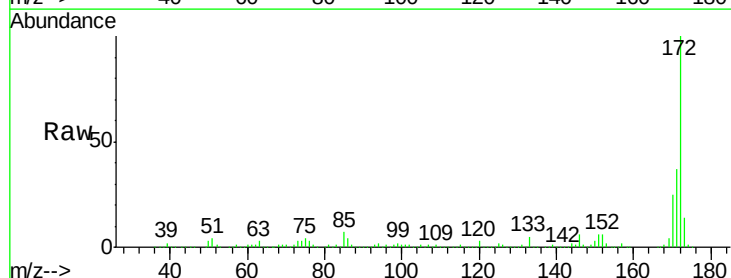


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

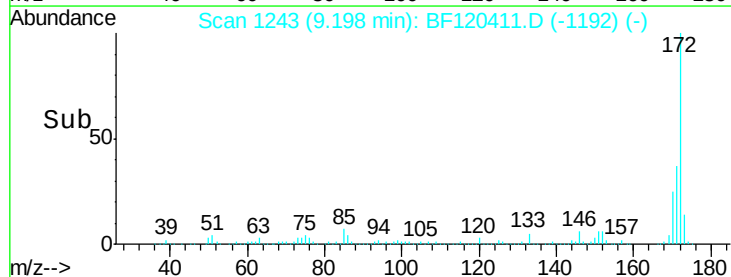
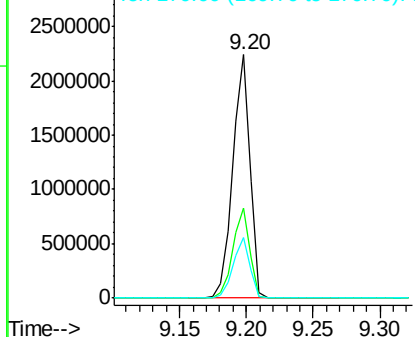


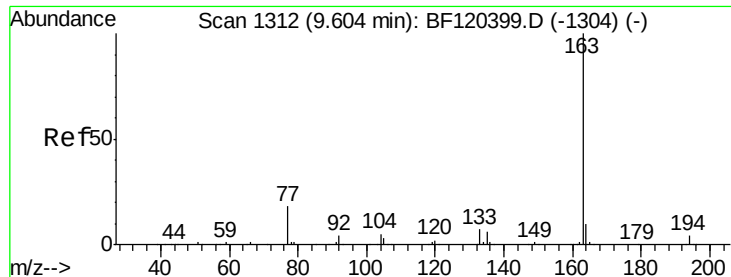
#45
 2-Fluorobiphenyl
 Concen: 72.637 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Tgt Ion:172 Resp: 2039914
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.7 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: 11.903 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

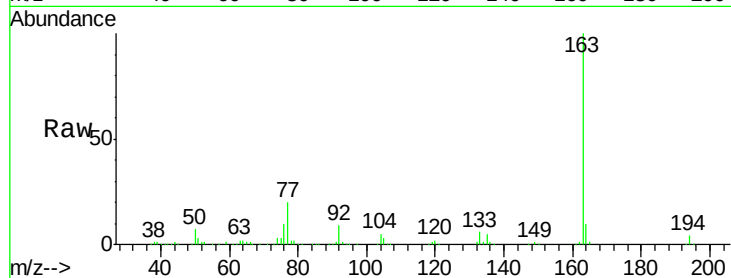
Tot Ion:163 Resp: 354573

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

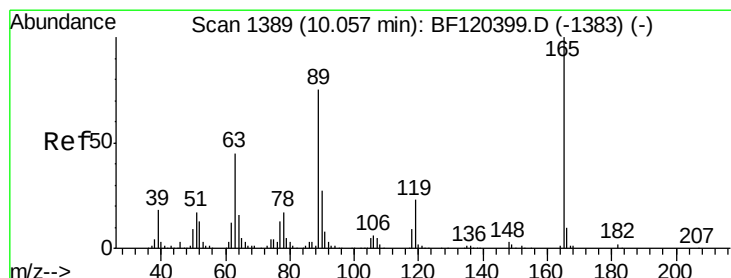
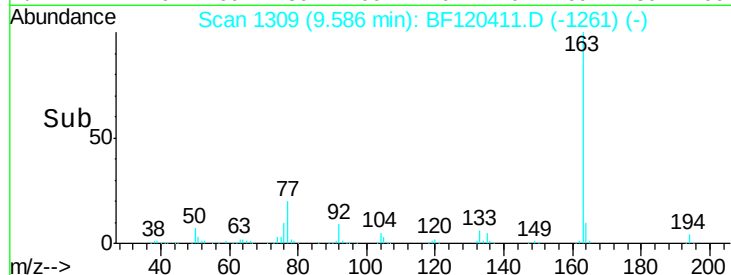
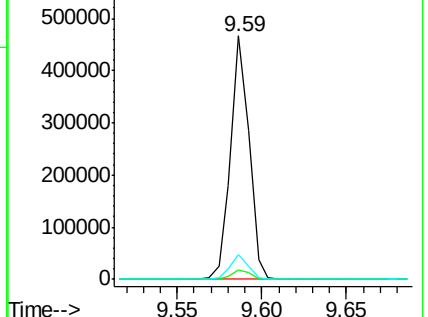
164 10.2 8.3 12.5



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: 7.386 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.18 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Tgt Ion:165 Resp: 62576

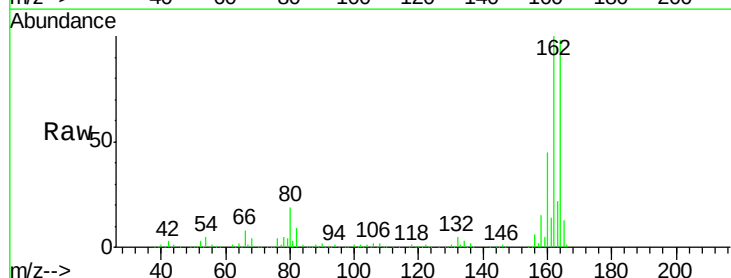
Ion Ratio Lower Upper

165 100

63 0.8 35.9 53.9#

89 1.2 60.0 90.0#

182 0.0 2.0 3.0#

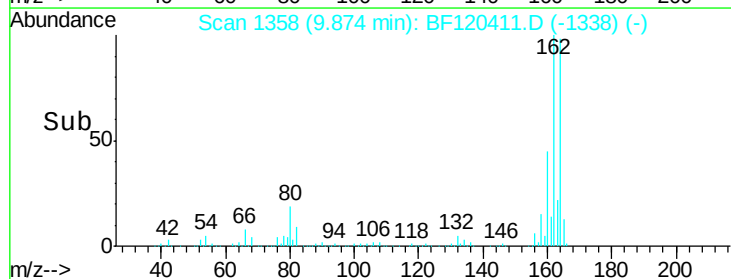
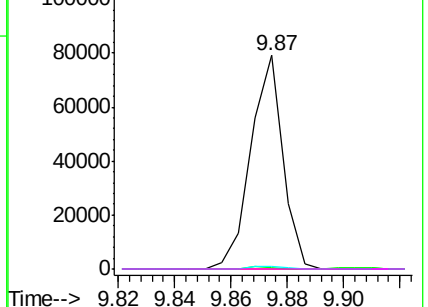


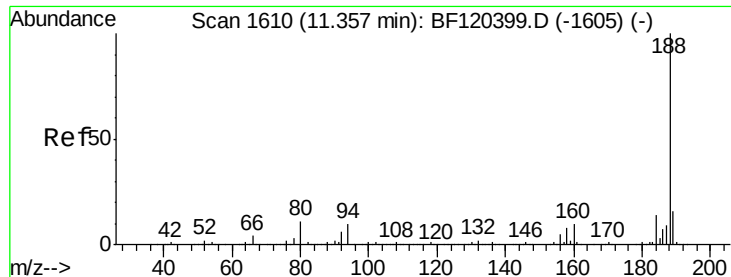
Abundance Ion 165.00 (164.70 to 165.70): E

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

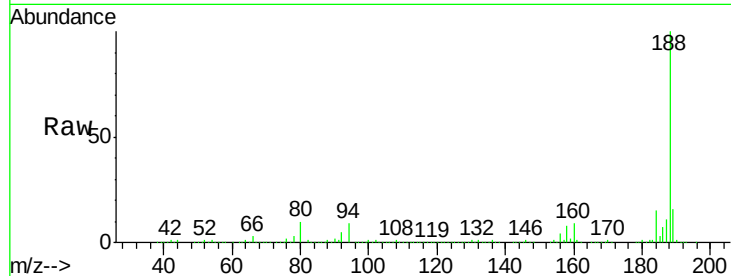




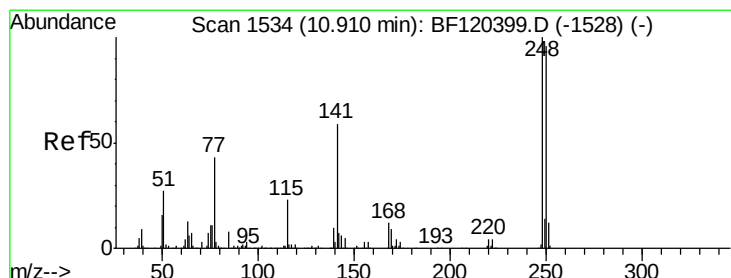
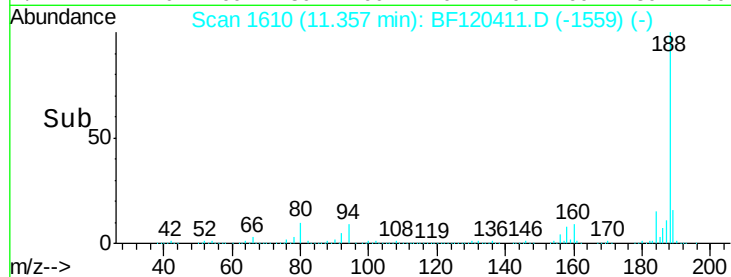
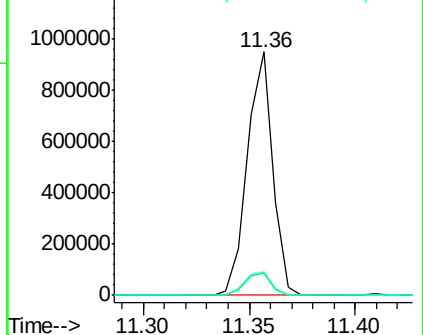
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

Tot Ion:188 Resp: 795762
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.9 11.9
 80 9.5 8.6 13.0

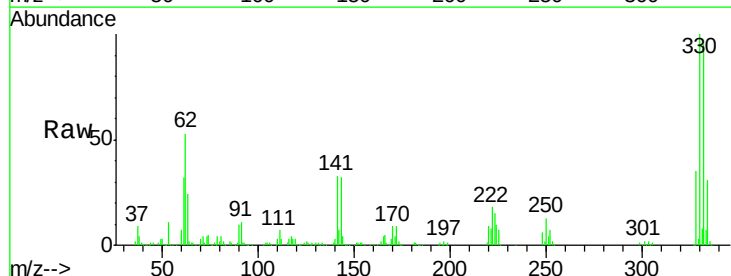


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

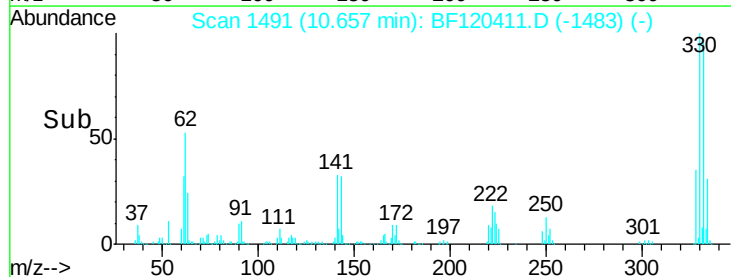
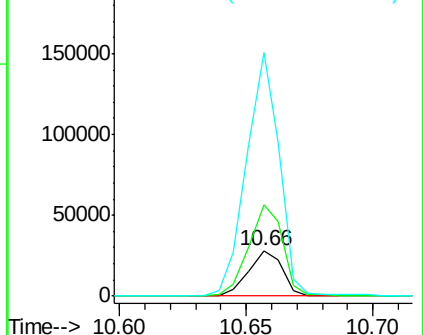


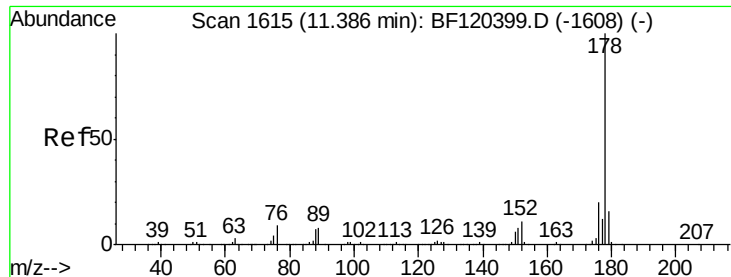
#67
 4-Bromophenyl-phenylether
 Concen: 3.282 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Tgt Ion:248 Resp: 26360
 Ion Ratio Lower Upper
 248 100
 250 202.5 76.5 114.7#
 141 537.4 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: 3.829 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

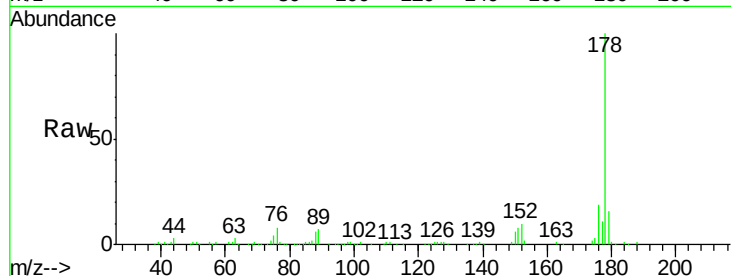
Tot Ion:178 Resp: 134254

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

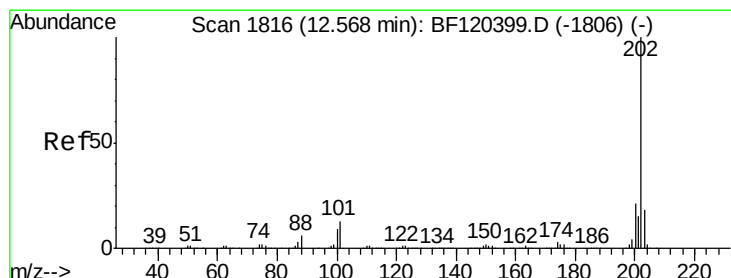
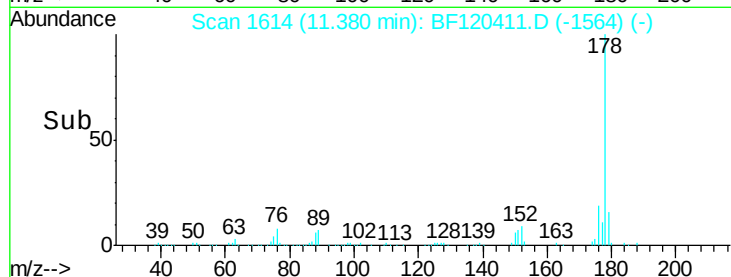
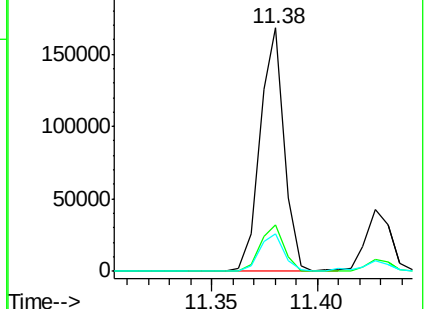
179 15.5 13.0 19.4



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: 7.854 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

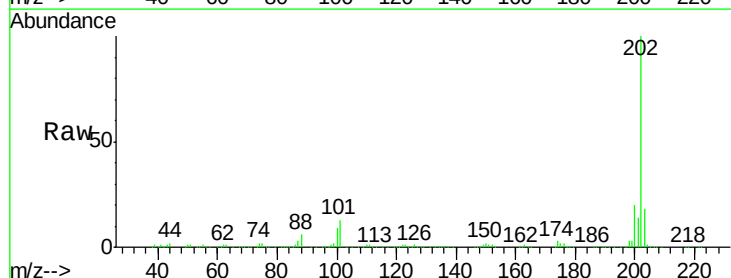
Tgt Ion:202 Resp: 296335

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.6

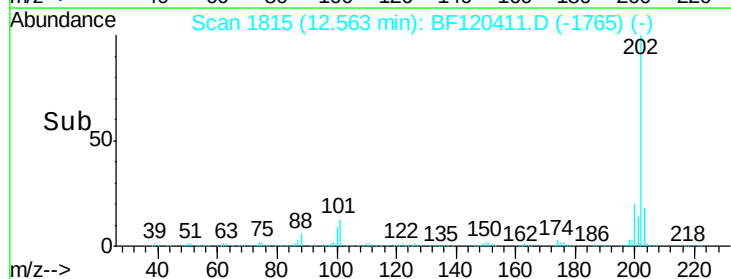
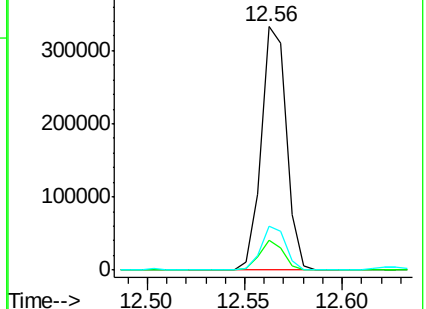
203 18.2 0.0 38.4

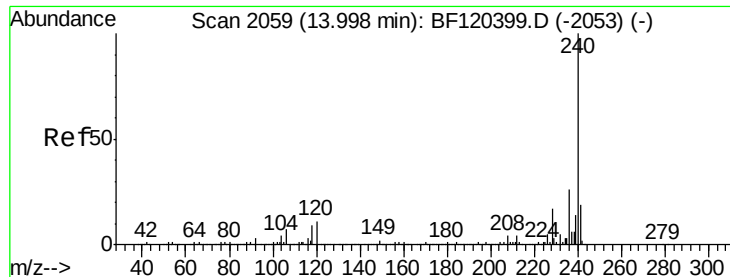


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

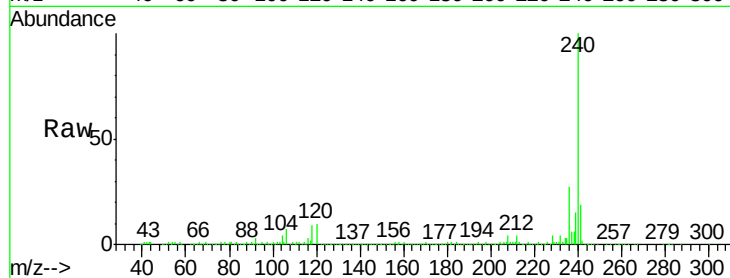
Tot Ion:240 Resp: 547789

Ion Ratio Lower Upper

240 100

120 10.2 8.8 13.2

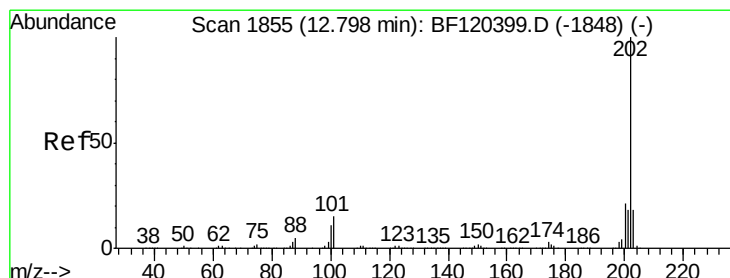
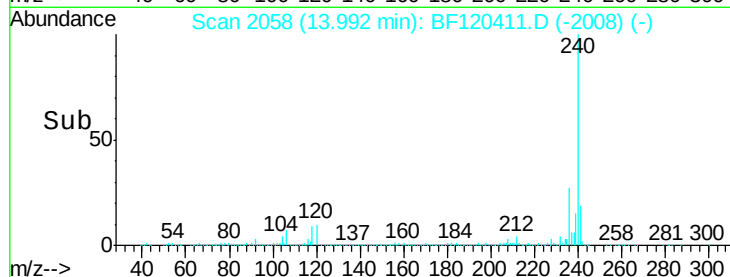
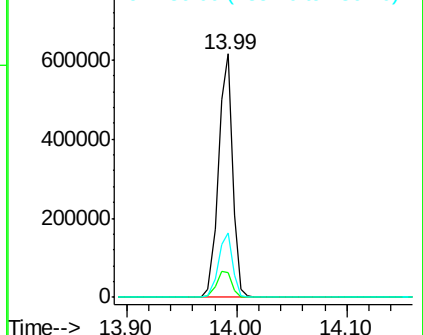
236 26.7 21.0 31.4



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: 7.307 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

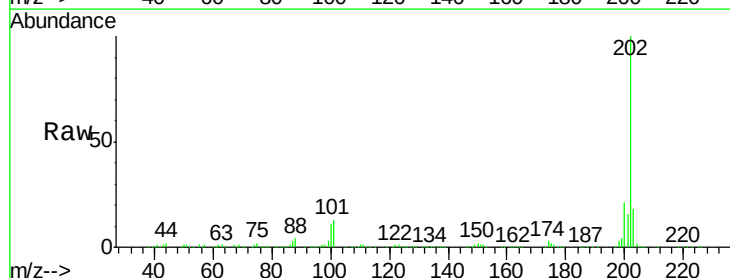
Tgt Ion:202 Resp: 278362

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

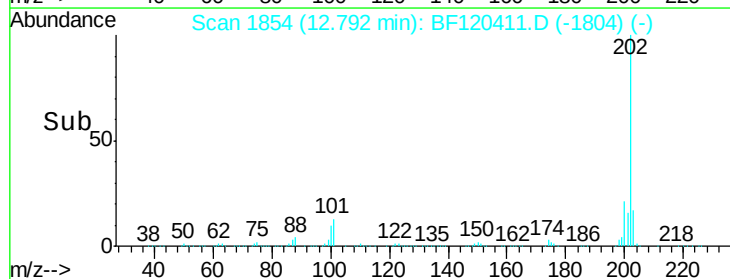
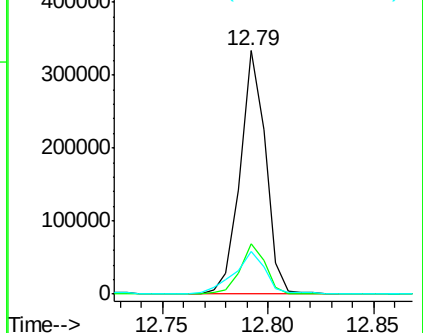
203 17.6 14.7 22.1

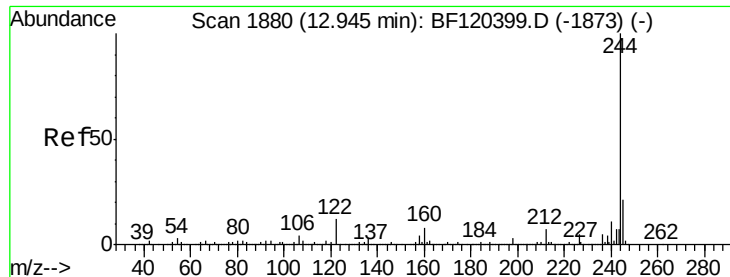


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.810 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

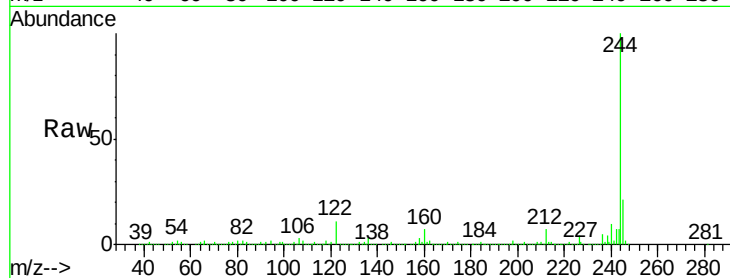
BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

Tot Ion:244 Resp: 1841616

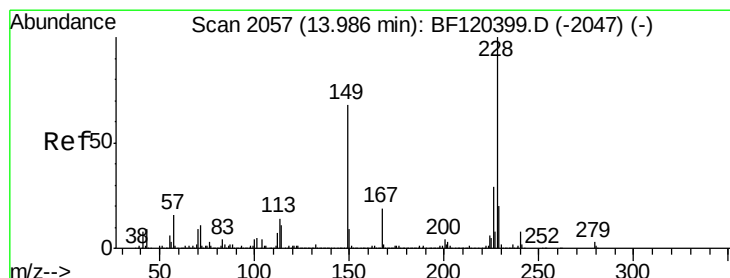
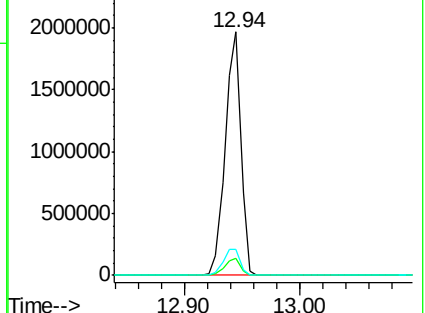
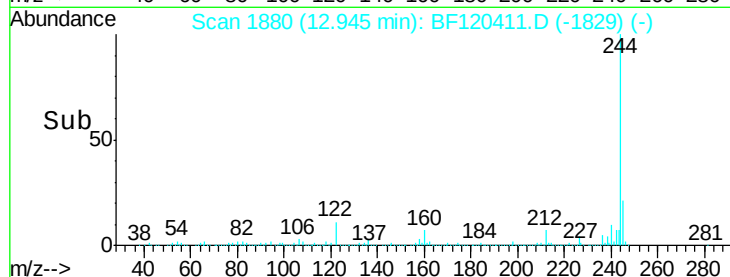
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.9	9.2	13.8



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: 4.867 ng

RT: 13.98 min Scan# 2056

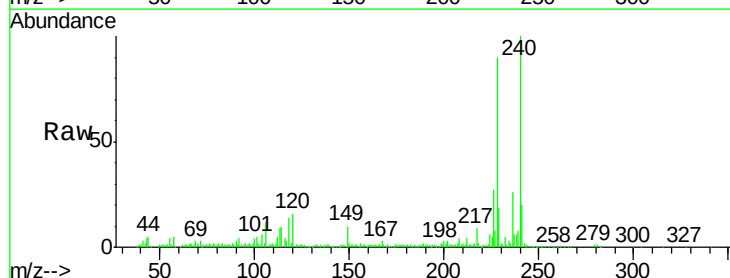
Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Tgt Ion:228 Resp: 142894

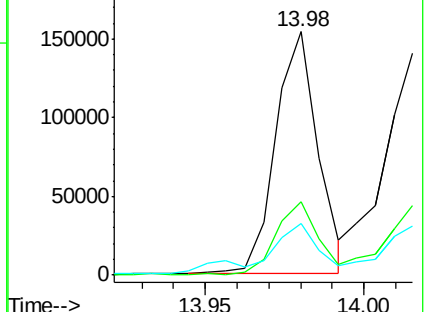
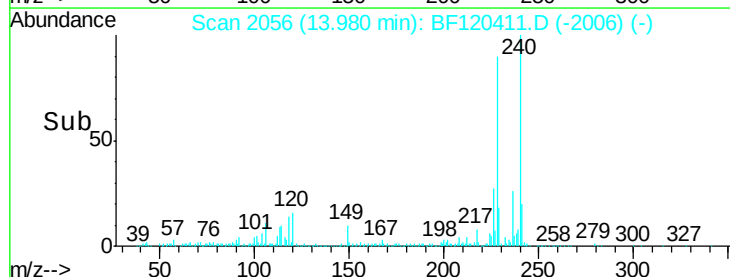
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.0	34.4
229	21.0	16.2	24.4

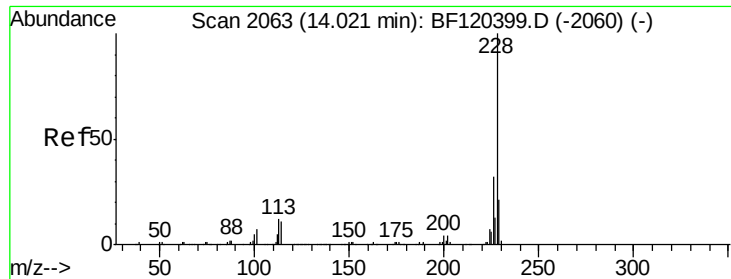


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.388 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

Instrument :

BNA_F

ClientSampleId :

NM51-COMP-2020-0-6

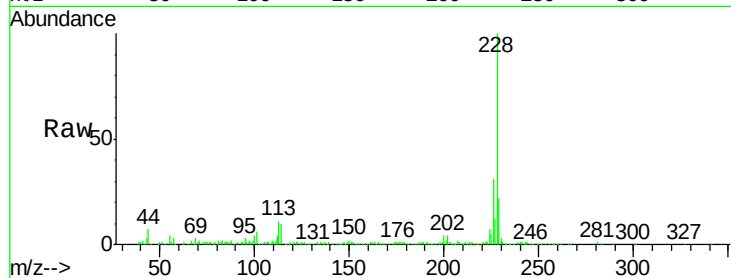
Tot Ion:228 Resp: 135069

Ion Ratio Lower Upper

228 100

226 31.3 25.6 38.4

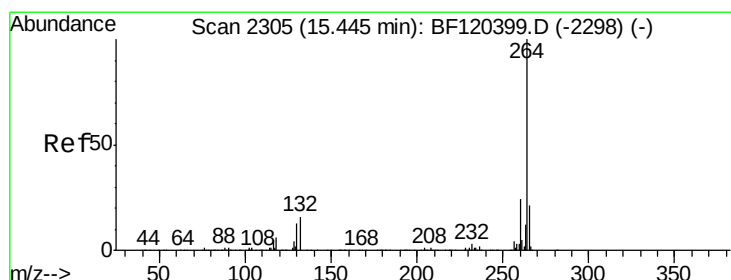
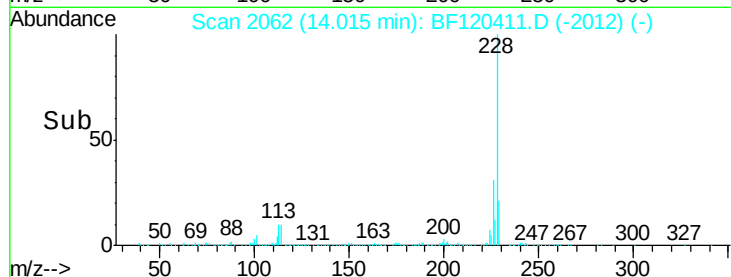
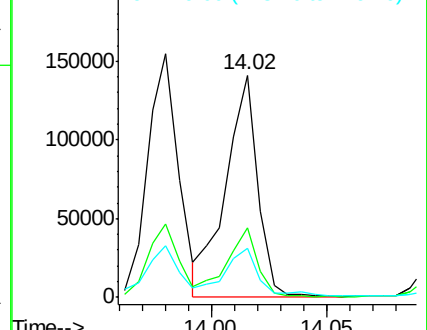
229 22.2 16.6 25.0



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: 15.44 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BF120411.D

Acq: 28 May 2020 16:38

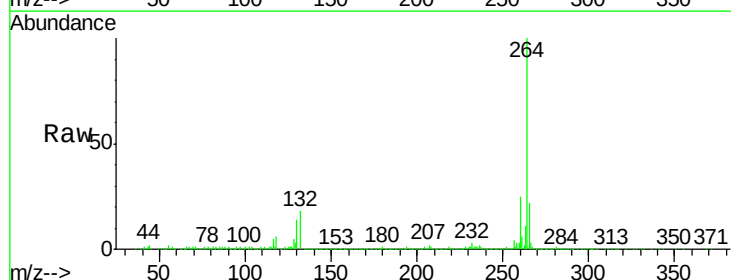
Tgt Ion:264 Resp: 583518

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

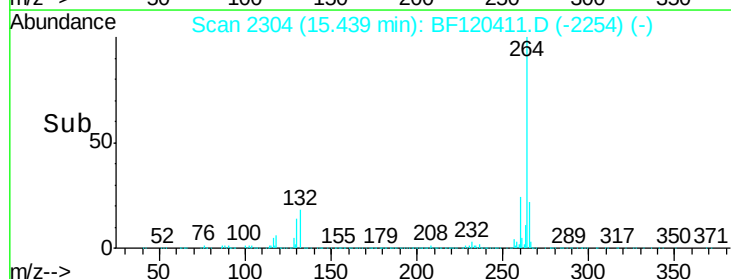
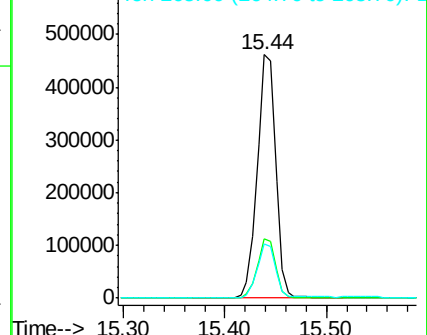
265 22.2 16.9 25.3

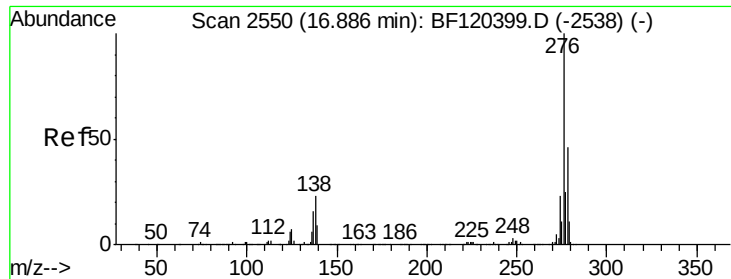


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

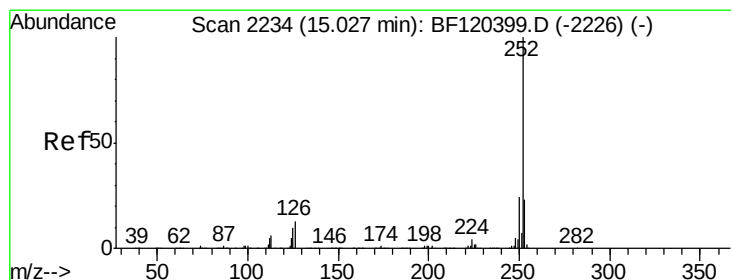
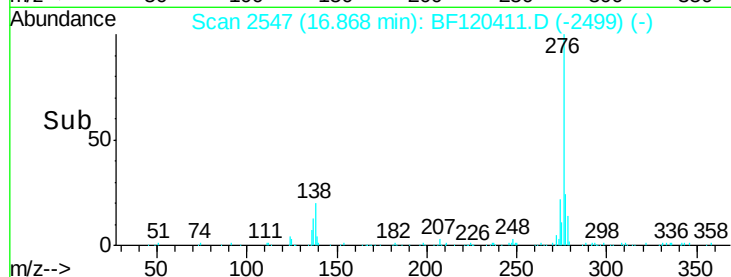
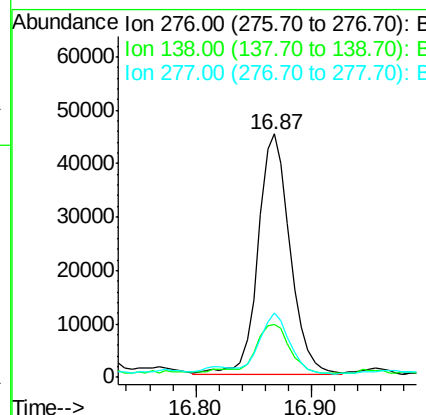
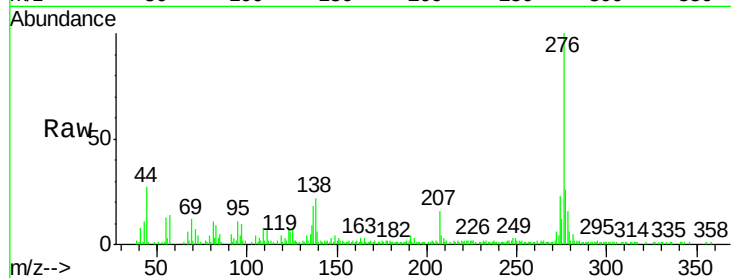




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.732 ng
 RT: 16.87 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

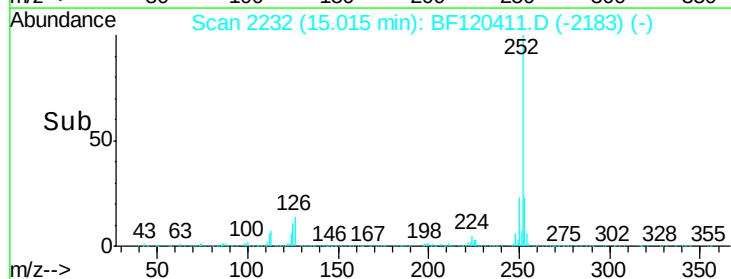
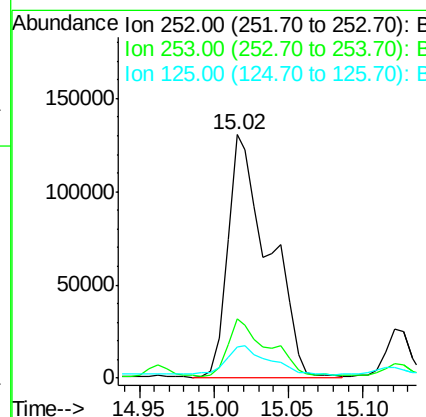
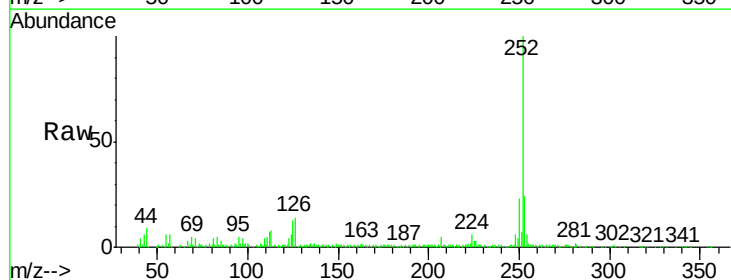
Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

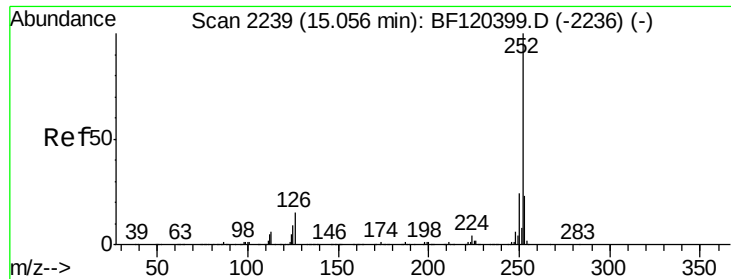
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.4	30.6
277	24.0	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 7.638 ng
 RT: 15.02 min Scan# 2232
 Delta R.T. -0.01 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	12.6	7.8	11.8

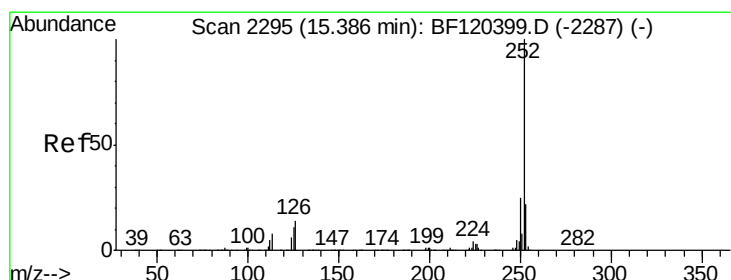
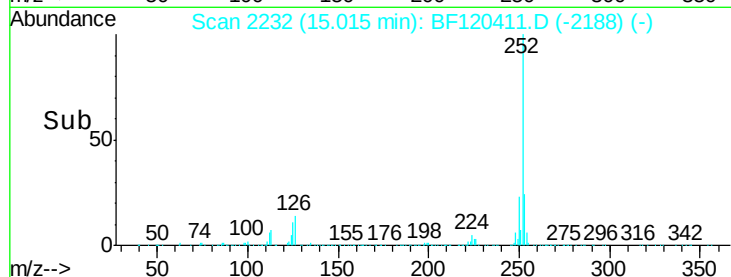
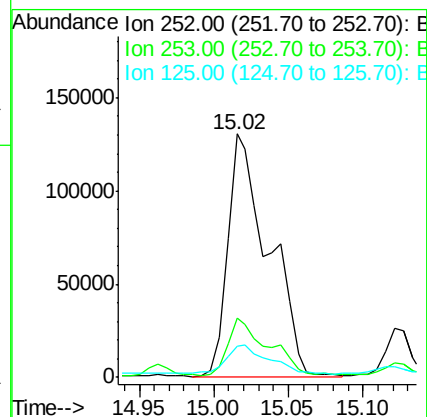
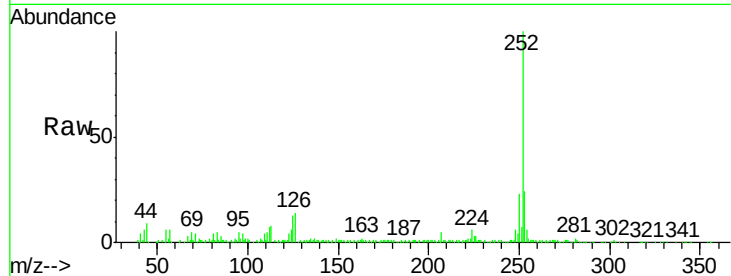




#89
Benzo(k)fluoranthene
Concen: 8.182 ng
RT: 15.02 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

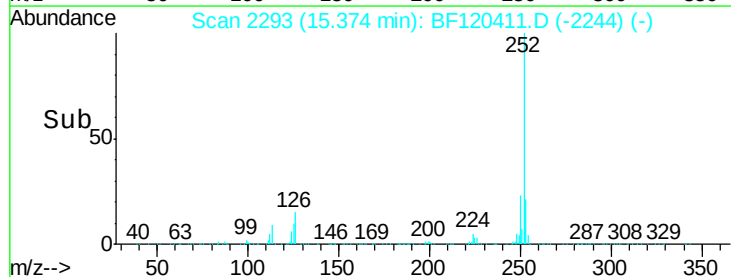
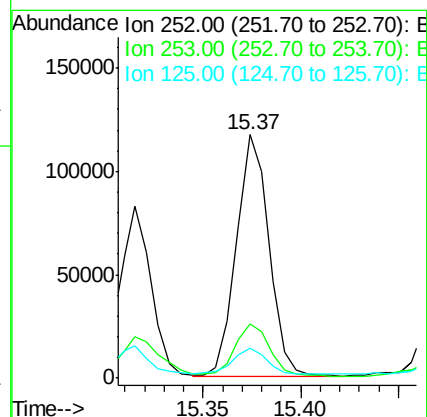
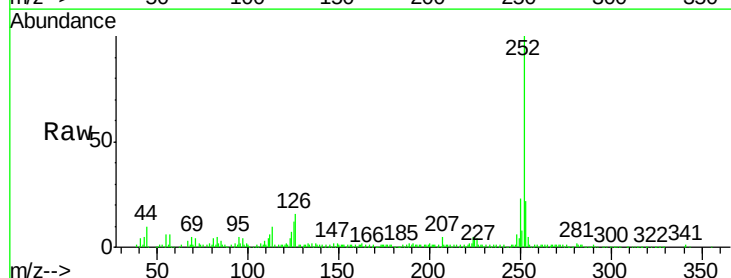
Instrument :
BNA_F
ClientSampleId :
NM51-COMP-2020-0-6

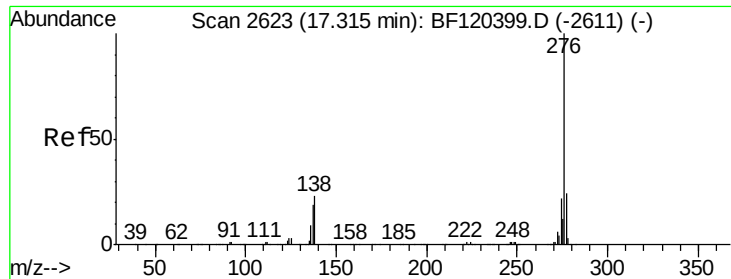
Tot Ion:252 Resp: 247552
Ion Ratio Lower Upper
252 100
253 24.2 18.5 27.7
125 12.6 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 4.768 ng
RT: 15.37 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BF120411.D
Acq: 28 May 2020 16:38

Tgt Ion:252 Resp: 135156
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 12.2 8.7 13.1





#92
 Benzo(a,h,i)perylene
 Concen: 3.192 ng
 RT: 17.30 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF120411.D
 Acq: 28 May 2020 16:38

Instrument :
 BNA_F
 ClientSampleId :
 NM51-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.5	29.3
138	22.7	18.1	27.1

