

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120414.D
 Acq On : 28 May 2020 18:04
 Operator : MA/SJ
 Sample : L2745-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM68-COMP-2020-0-6

Quant Time: May 29 02:10:14 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	245276	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	864480	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	403133	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	668758	20.00	ng	0.00
76) Chrysene-d12	13.99	240	544456	20.00	ng	0.00
86) Perylene-d12	15.44	264	572397	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1192530	92.66	ng	0.00
7) Phenol-d6	6.46	99	1488760	93.85	ng	0.00
23) Nitrobenzene-d5	7.40	82	999874	75.66	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	371598	99.49	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1789810	75.33	ng	0.00
79) Terphenyl-d14	12.94	244	1686037	68.91	ng	0.00

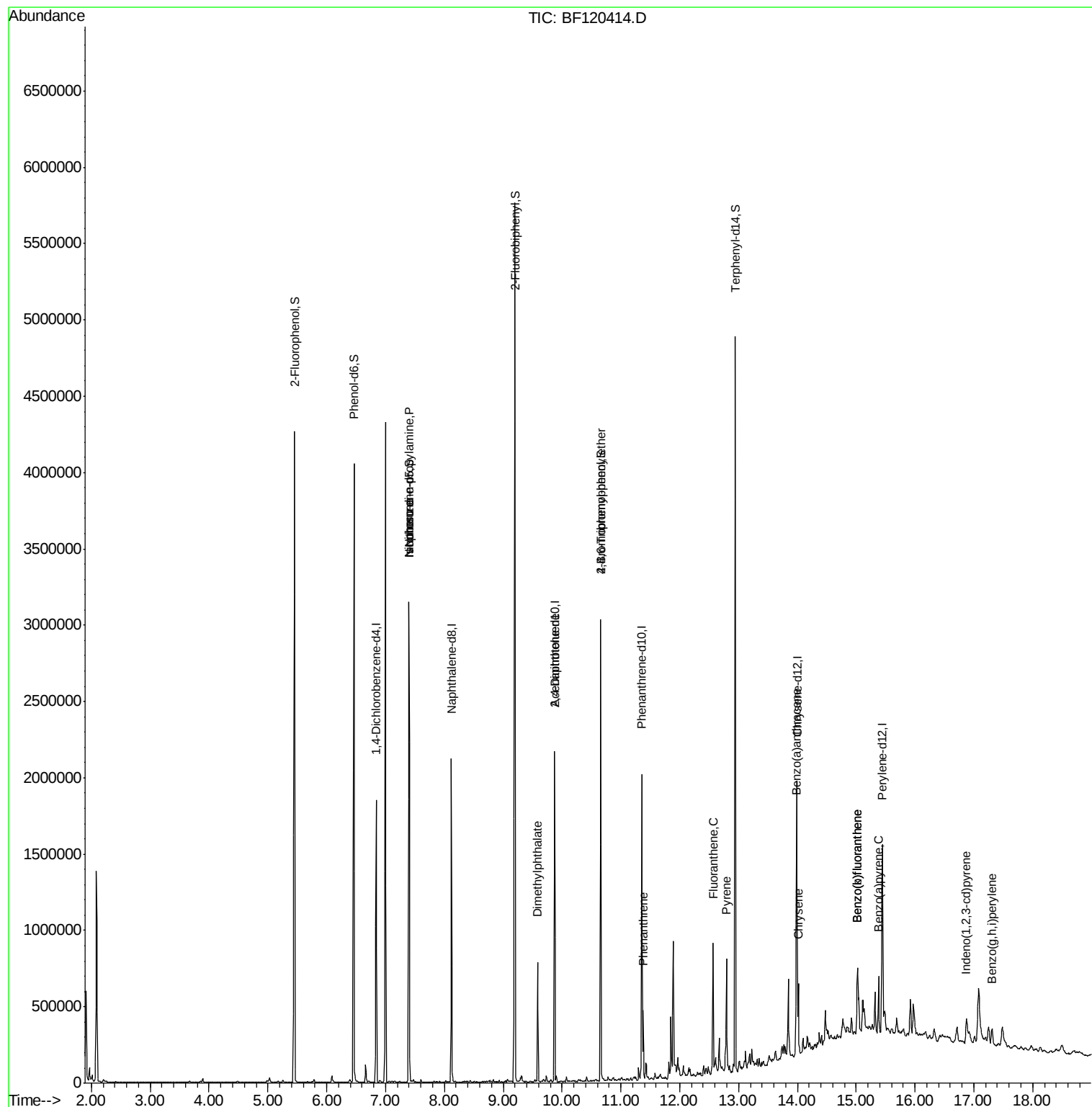
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	133213	13.210	ng	# 79
25) Isophorone	7.40	82	996930	37.532	ng	# 64
50) Dimethylphthalate	9.59	163	277319	11.004	ng	100
57) 2,4-Dinitrotoluene	9.87	165	52421	7.313	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22319	3.306	ng	# 1
71) Phenanthrene	11.38	178	145142	4.925	ng	99
75) Fluoranthene	12.57	202	321403	10.137	ng	97
78) Pyrene	12.80	202	311575	8.229	ng	98
81) Benzo(a)anthracene	13.98	228	183639	6.293	ng	96
83) Chrysene	14.02	228	169677	5.547	ng	96
87) Indeno(1,2,3-cd)pyrene	16.87	276	103866	3.318	ng	95
88) Benzo(b)fluoranthene	15.02	252	322029	10.129	ng	98
89) Benzo(k)fluoranthene	15.02	252	322029	10.850	ng	99
90) Benzo(a)pyrene	15.38	252	175607	6.315	ng	99
92) Benzo(a,h,i)perylene	17.31	276	97142	3.859	ng	98

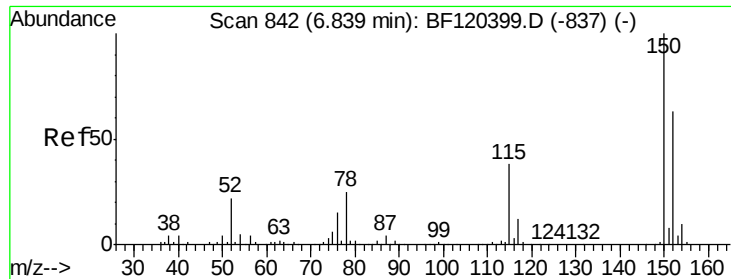
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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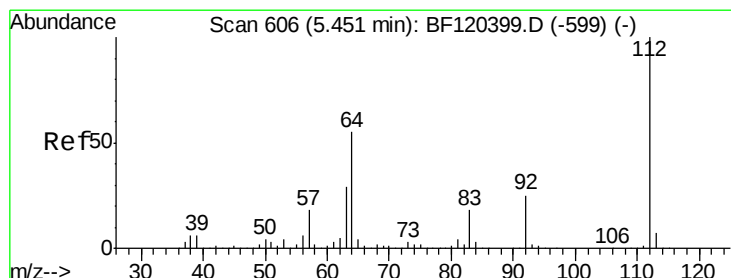
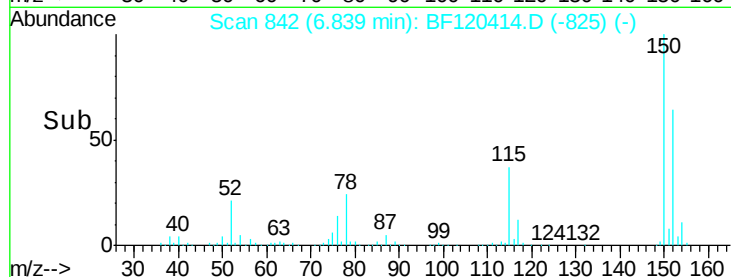
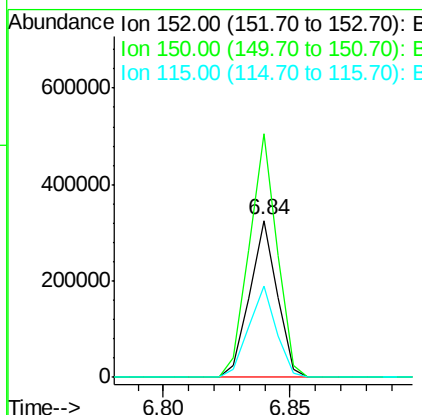
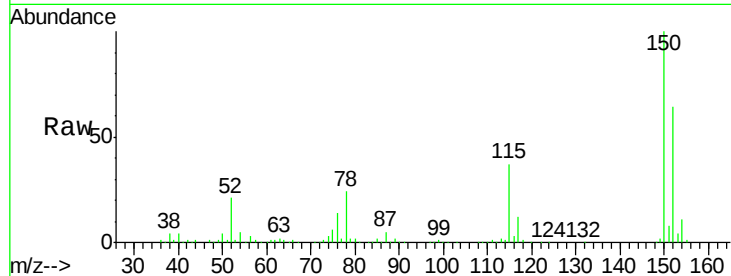




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

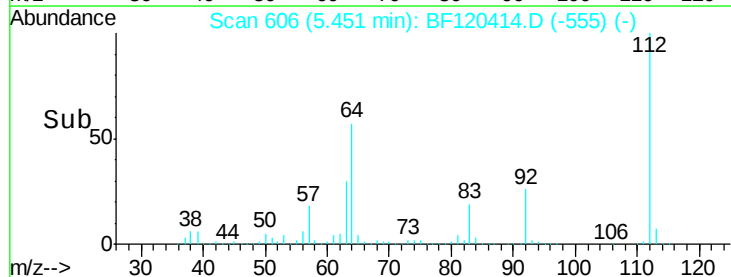
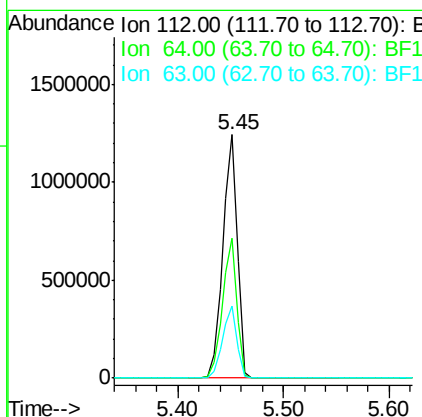
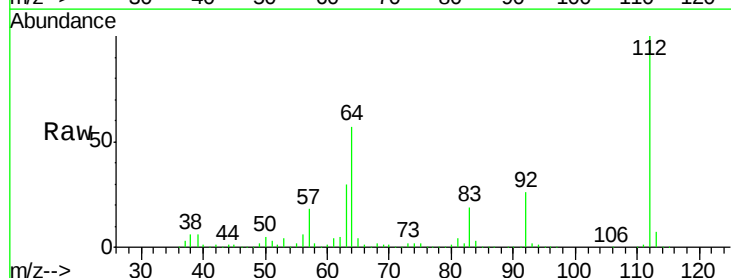
Instrument :
 BNA_F
 ClientSampleId :
 NM68-COMP-2020-0-6

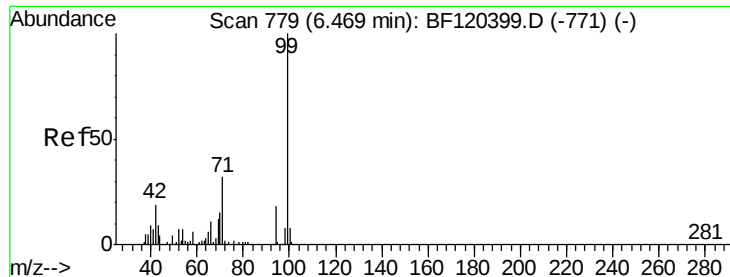
Tot Ion:152 Resp: 245276
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.5 189.7
 115 58.0 47.6 71.4



#5
 2-Fluorophenol
 Concen: 92.657 ng
 RT: 5.45 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

Tgt Ion:112 Resp: 1192530
 Ion Ratio Lower Upper
 112 100
 64 57.4 44.3 66.5
 63 29.6 22.9 34.3





#7

Phenol-d6

Concen: 93.848 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

Instrument :

BNA_F

ClientSampleId :

NM68-COMP-2020-0-6

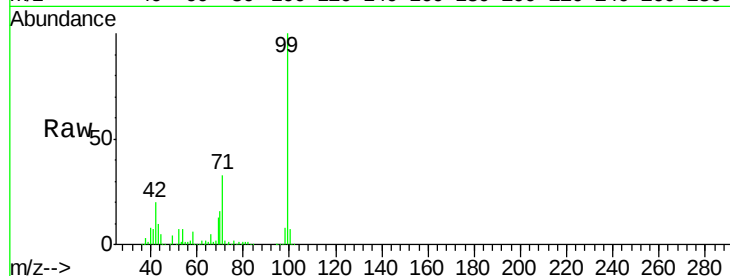
Tot Ion: 99 Resp: 1488760

Ion Ratio Lower Upper

99 100

42 19.6 15.2 22.8

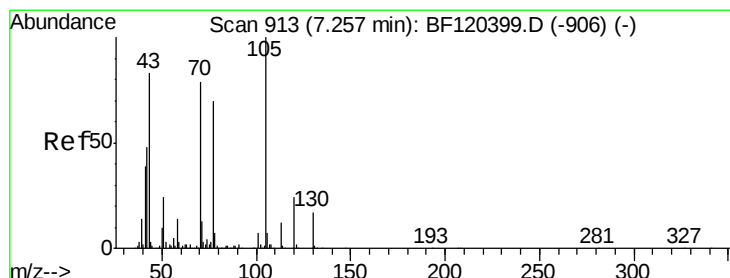
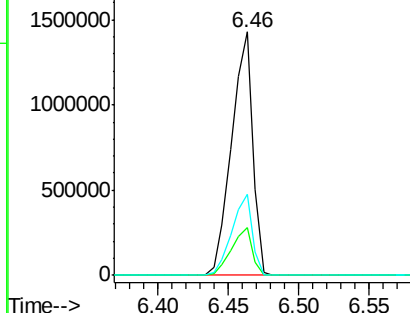
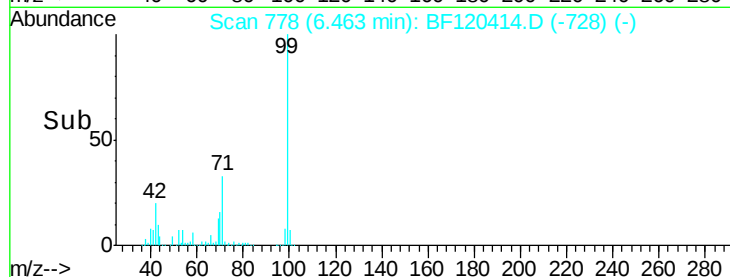
71 33.4 25.6 38.4



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: 13.210 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

Tgt Ion: 70 Resp: 133213

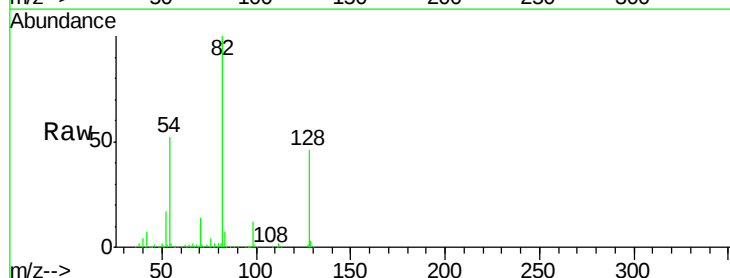
Ion Ratio Lower Upper

70 100

42 50.8 48.9 73.3

101 0.0 7.4 11.2#

130 2.3 16.8 25.2#

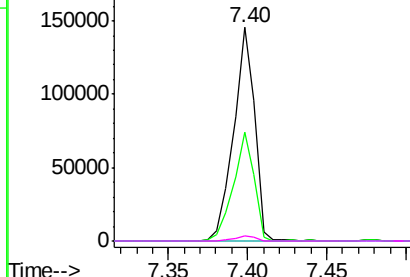
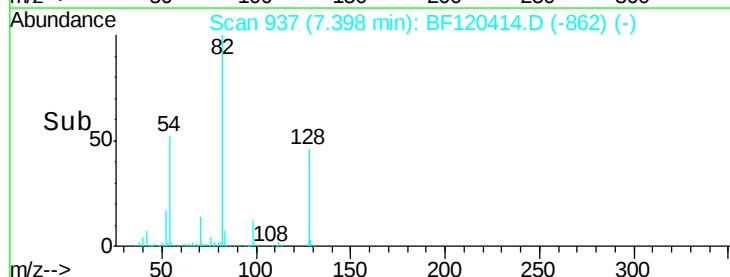


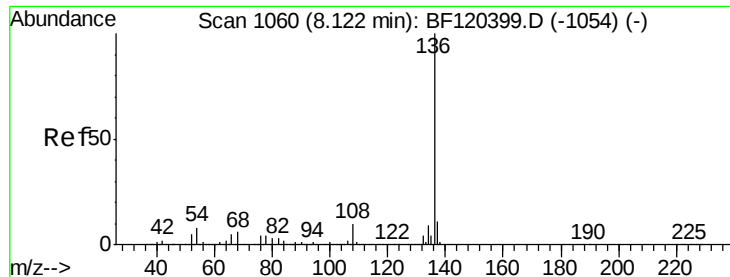
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120414.D

Acq: 28 May 2020 18:04

Instrument :

BNA_F

ClientSampleId :

NM68-COMP-2020-0-6

Tot Ion:136 Resp: 864480

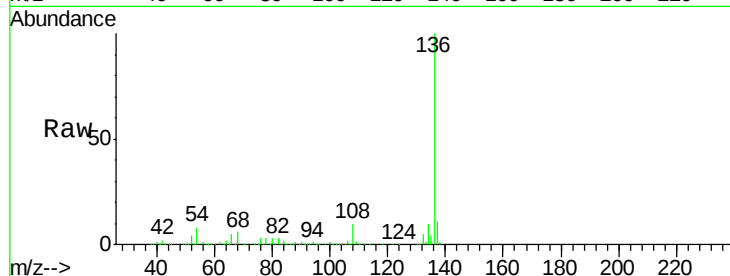
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.6 6.7 10.1

68 5.8 5.0 7.4

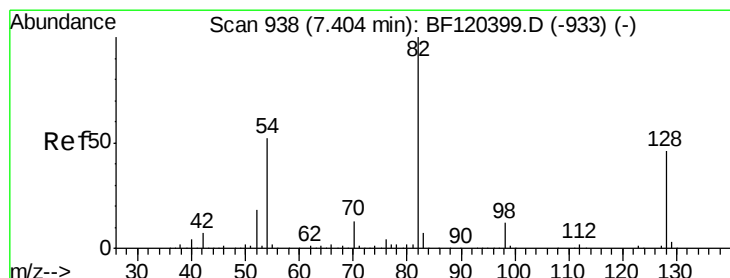
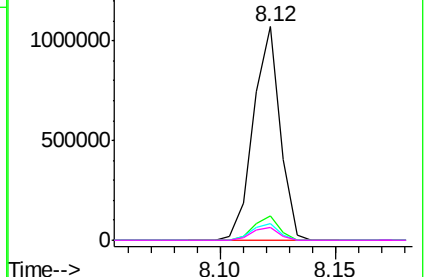
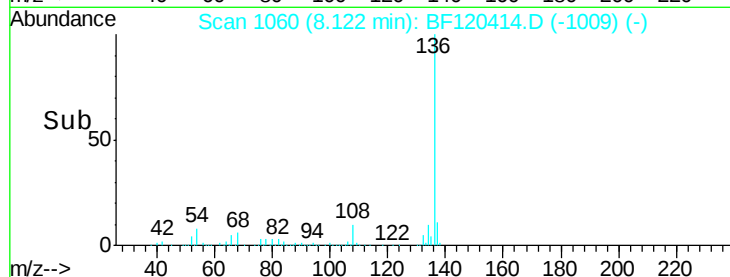


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.658 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

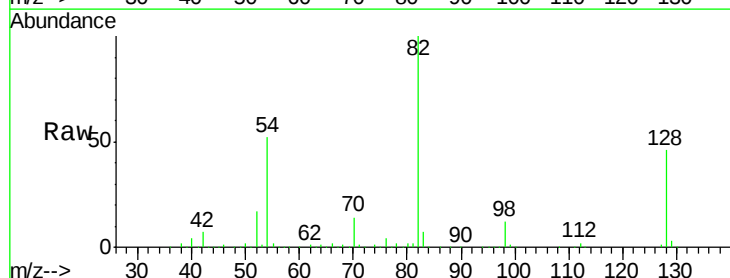
Tgt Ion: 82 Resp: 999874

Ion Ratio Lower Upper

82 100

128 45.6 36.8 55.2

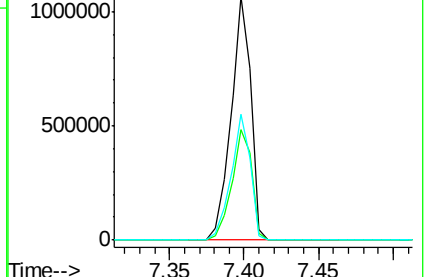
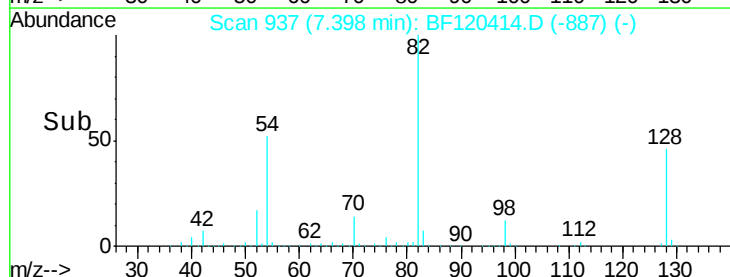
54 51.9 41.6 62.4

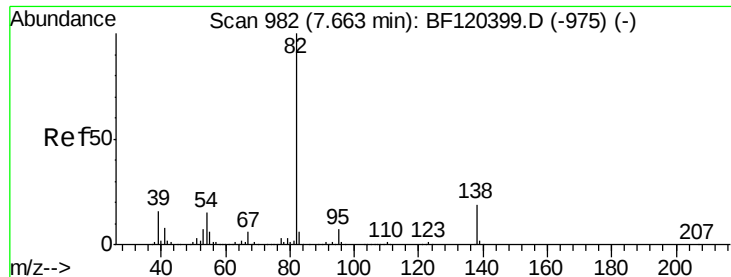


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.532 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

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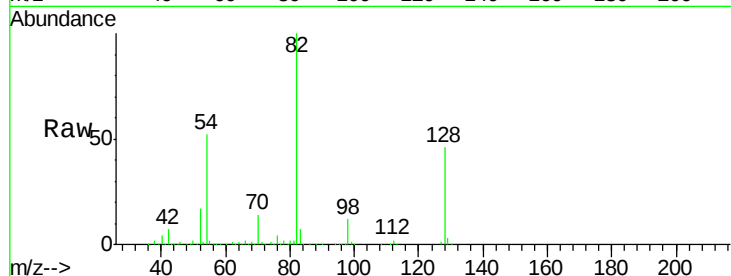
Tot Ion: 82 Resp: 996930

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

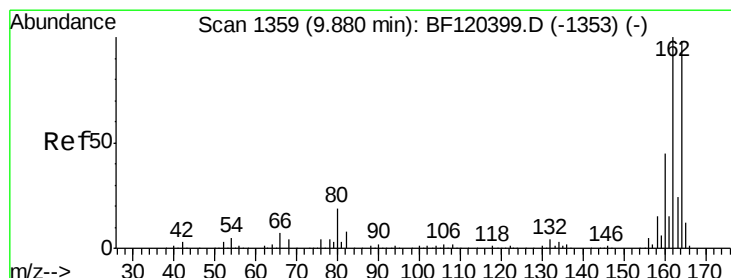
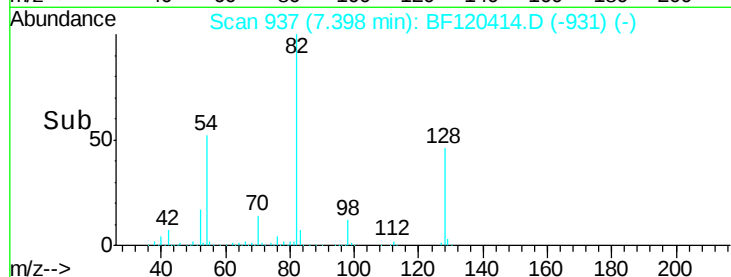
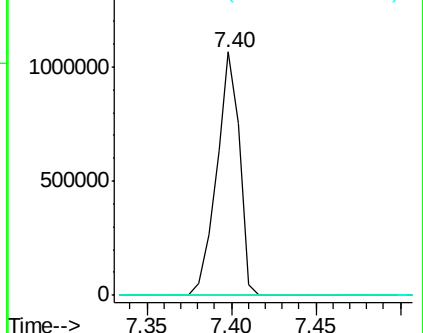
138 0.0 15.0 22.4#



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: BF120414.D

Acq: 28 May 2020 18:04

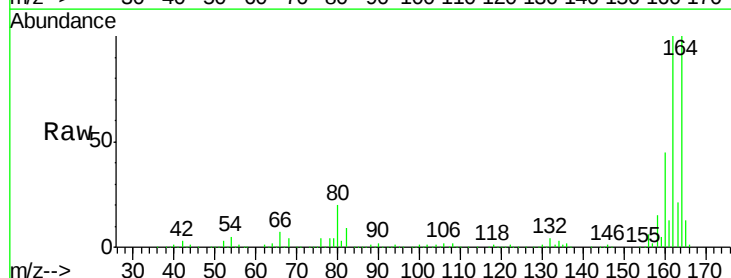
Tgt Ion: 164 Resp: 403133

Ion Ratio Lower Upper

164 100

162 99.8 81.3 121.9

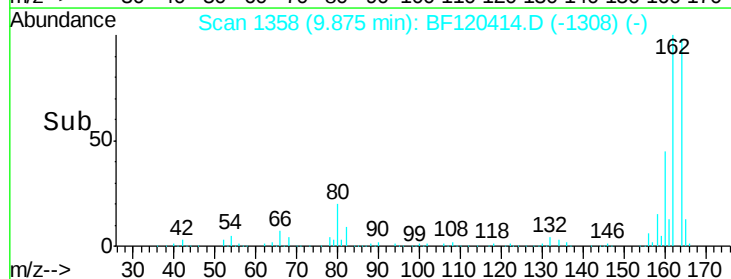
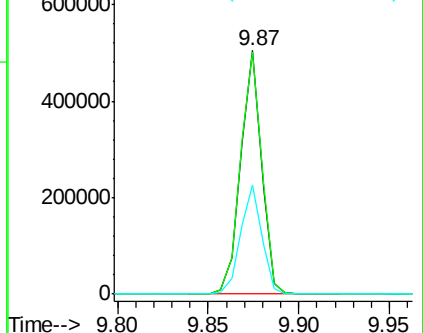
160 45.0 36.9 55.3

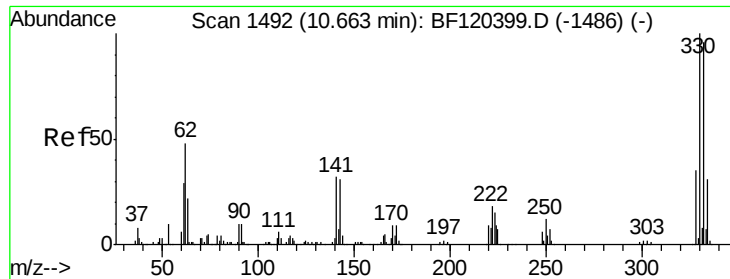


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

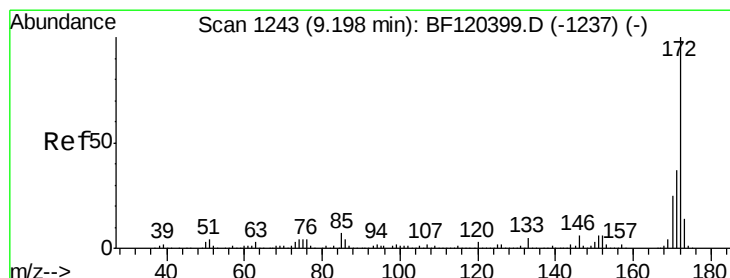
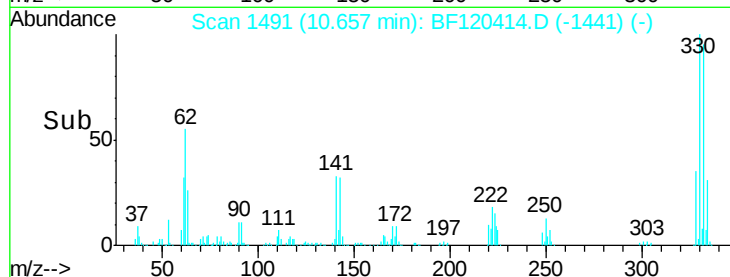
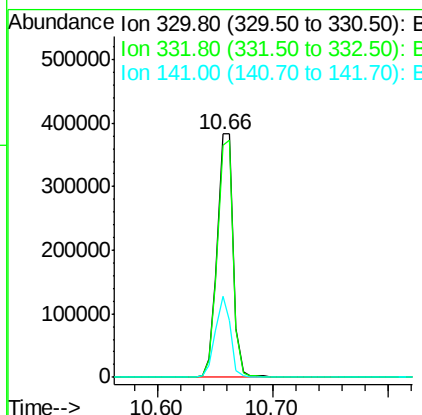
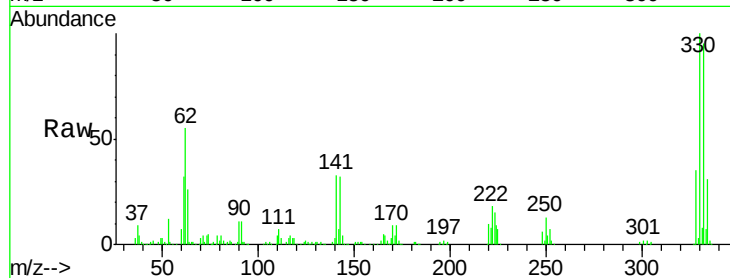




#42
 2,4,6-Tribromophenol
 Concen: 99.485 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

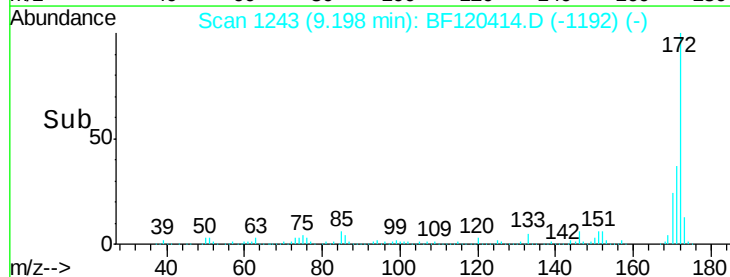
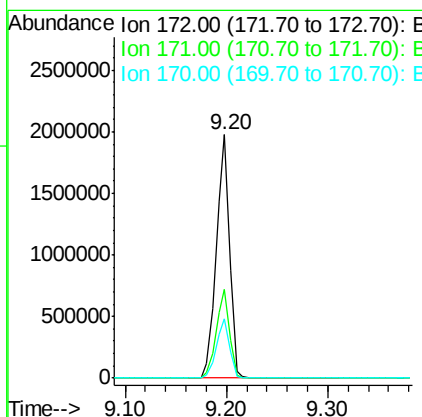
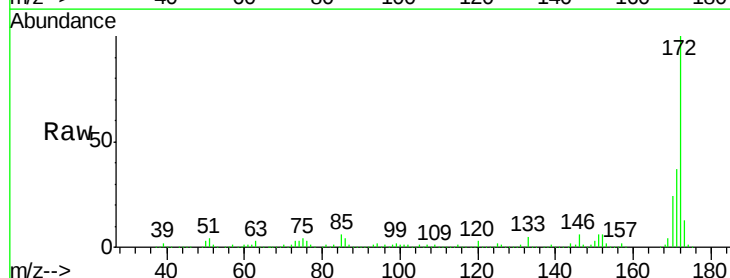
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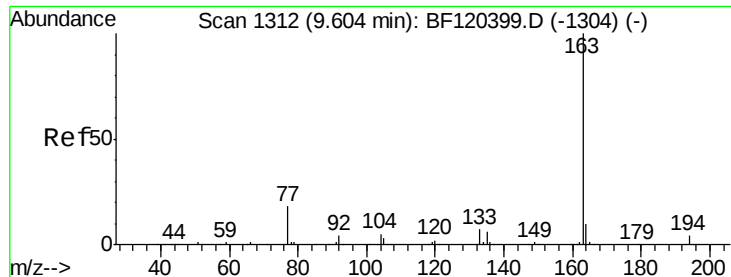
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	31.2	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 75.329 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.9	29.9





#50

Dimethylphthalate

Concen: 11.004 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

Instrument :

BNA_F

ClientSampleId :

NM68-COMP-2020-0-6

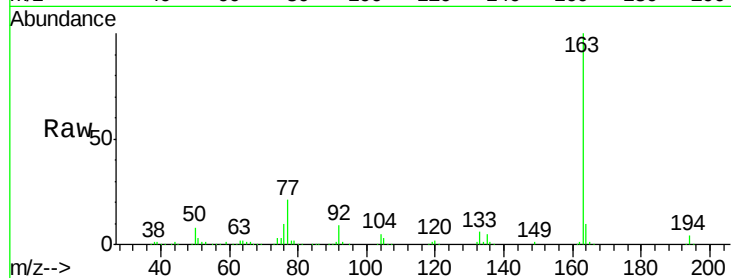
Tot Ion:163 Resp: 277319

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

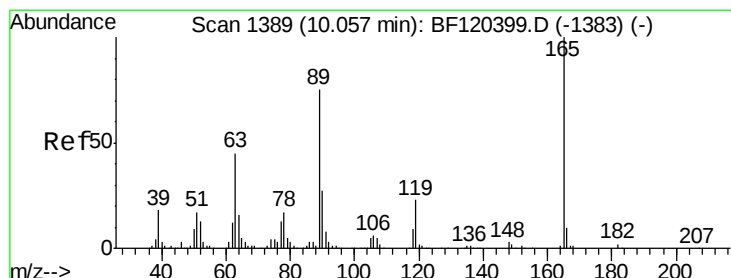
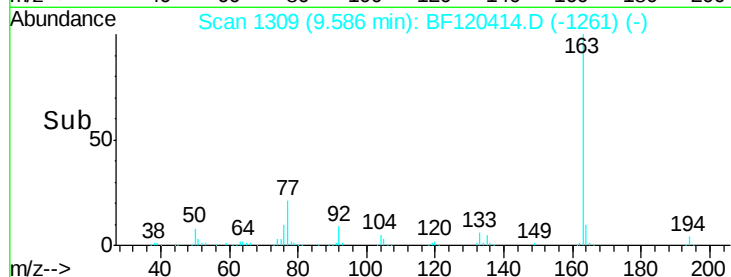
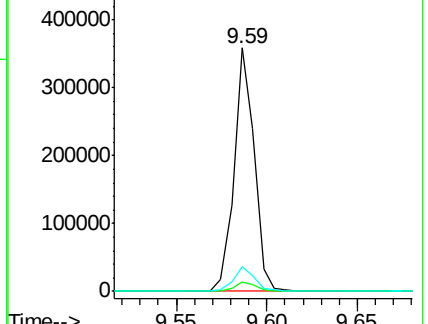
164 10.4 8.3 12.5



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: 7.313 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.18 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

Tgt Ion:165 Resp: 52421

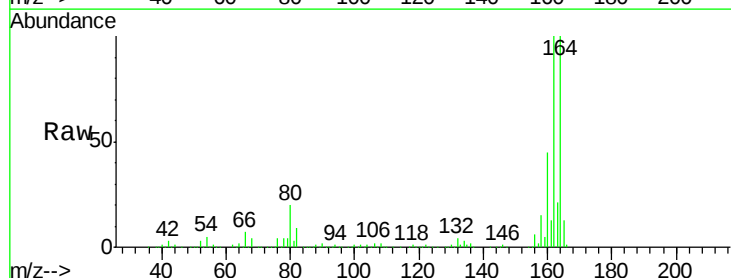
Ion Ratio Lower Upper

165 100

63 0.8 35.9 53.9#

89 1.5 60.0 90.0#

182 0.0 2.0 3.0#

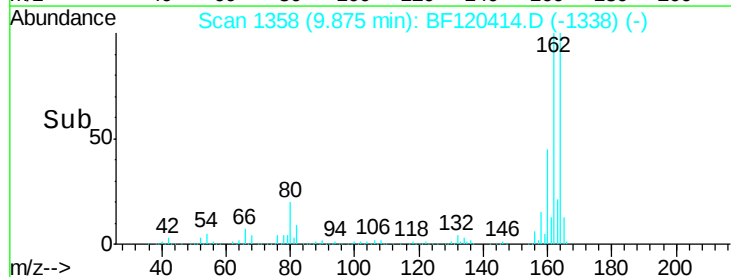
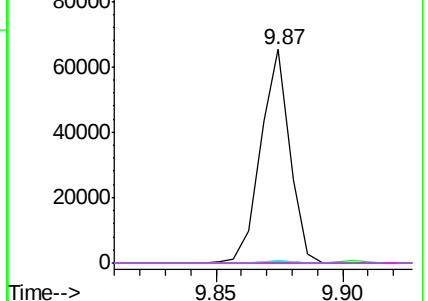


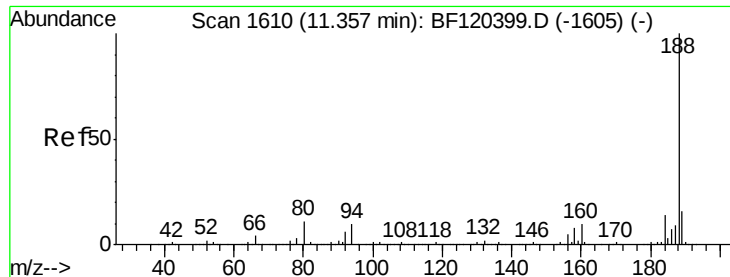
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120414.D

Acq: 28 May 2020 18:04

Instrument :

BNA_F

ClientSampleId :

NM68-COMP-2020-0-6

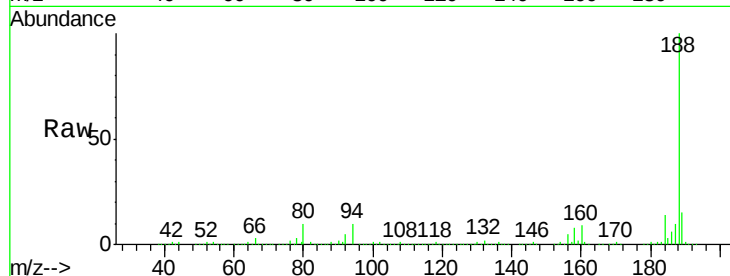
Tot Ion:188 Resp: 668758

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 9.8 8.6 13.0



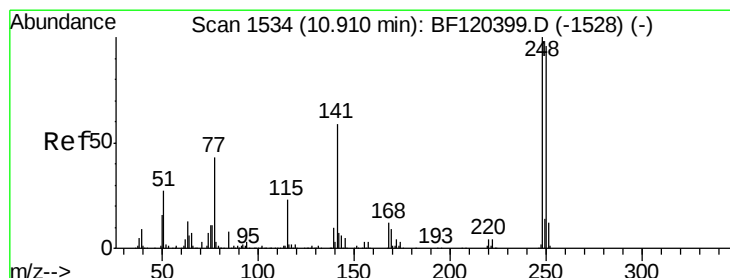
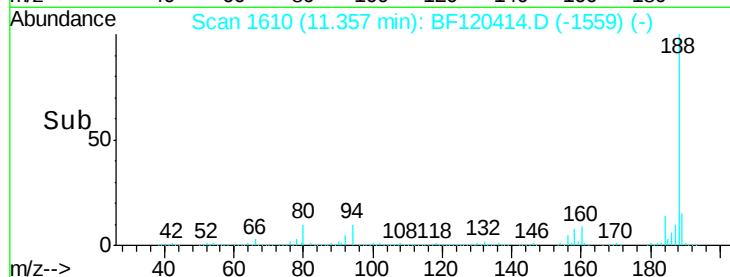
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.36

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.306 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

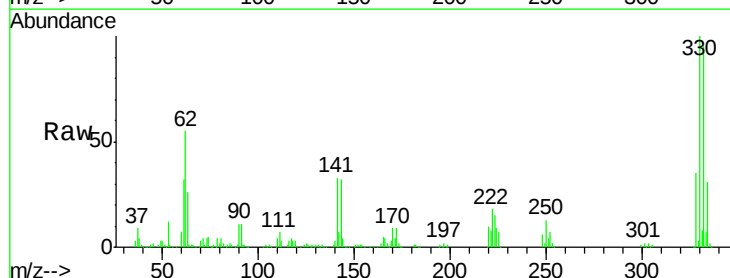
Tgt Ion:248 Resp: 22319

Ion Ratio Lower Upper

248 100

250 204.1 76.5 114.7#

141 518.3 47.2 70.8#



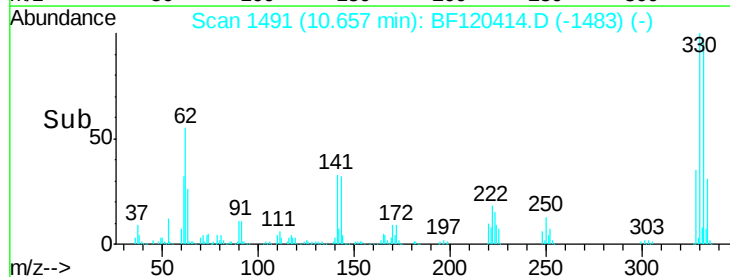
Abundance Ion 248.00 (247.70 to 248.70): E

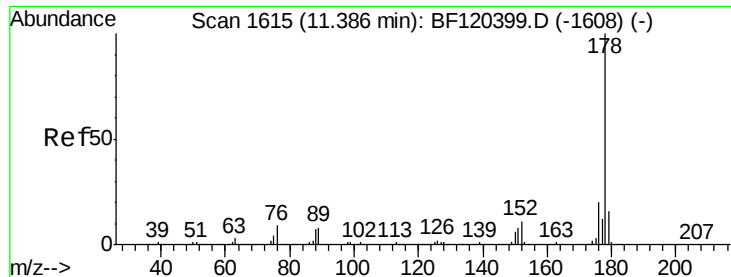
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.66

Time-->





#71

Phenanthrene

Concen: 4.925 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

Instrument :

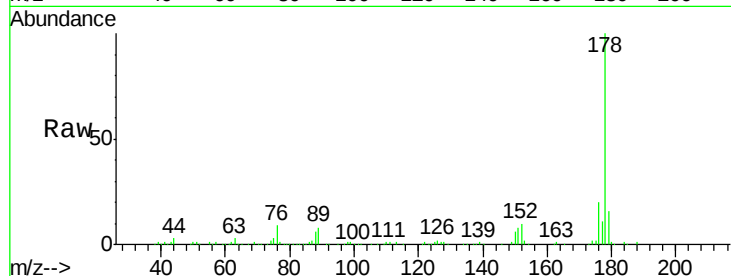
BNA_F

ClientSampleId :

NM68-COMP-2020-0-6

Tot Ion:178 Resp: 145142

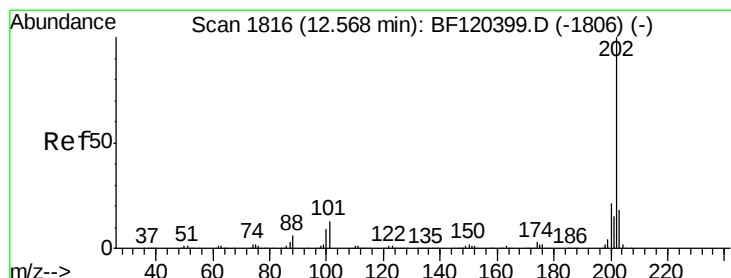
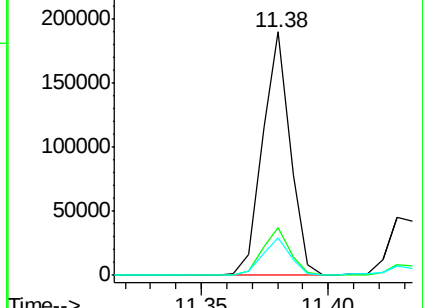
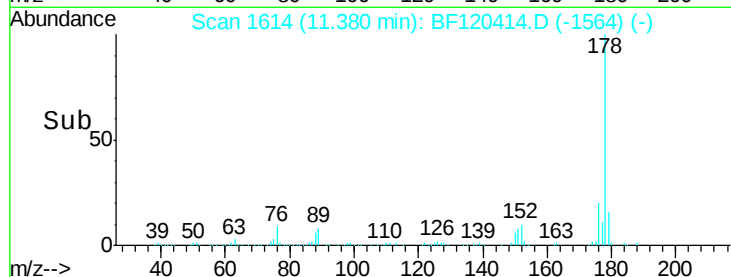
Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	15.6	13.0	19.4



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: 10.137 ng

RT: 12.57 min Scan# 1816

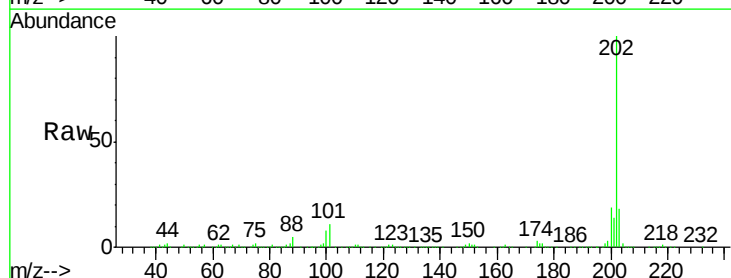
Delta R.T. 0.00 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

Tgt Ion:202 Resp: 321403

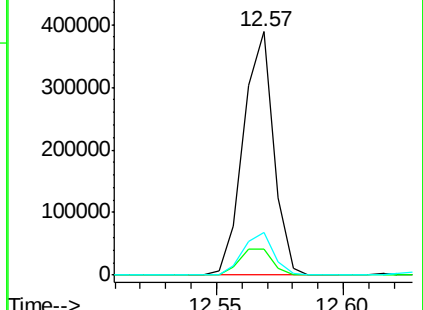
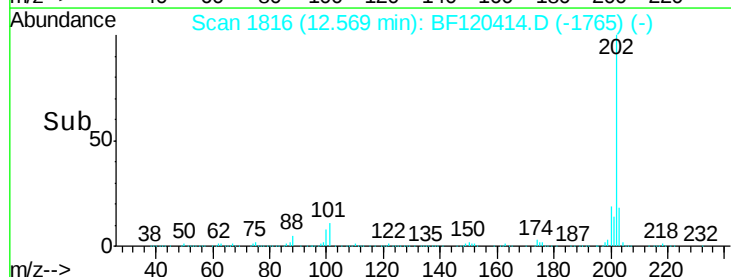
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.6
203	17.7	0.0	38.4

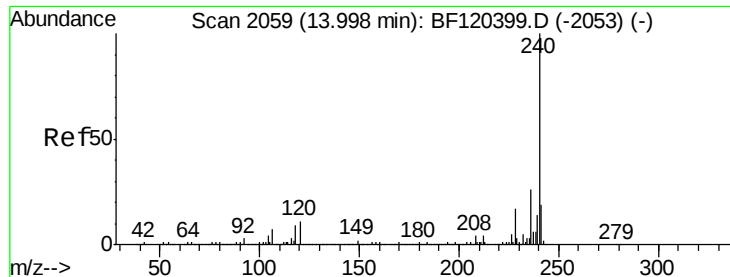


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

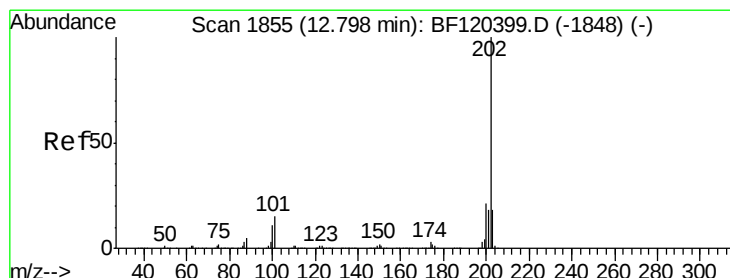
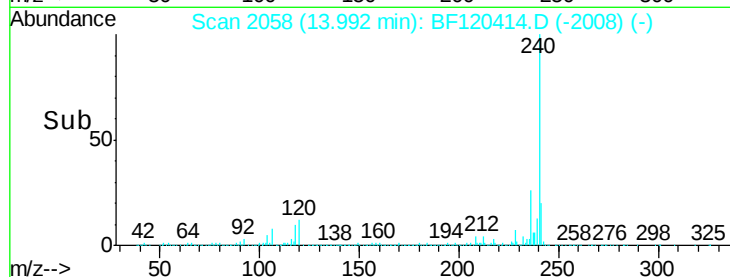
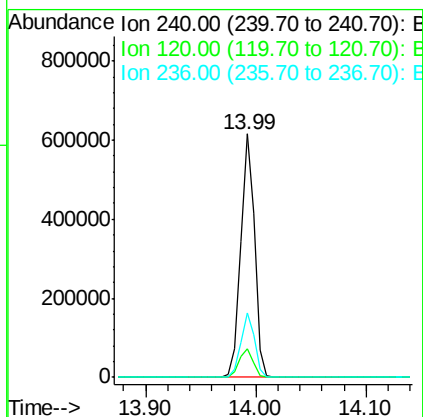
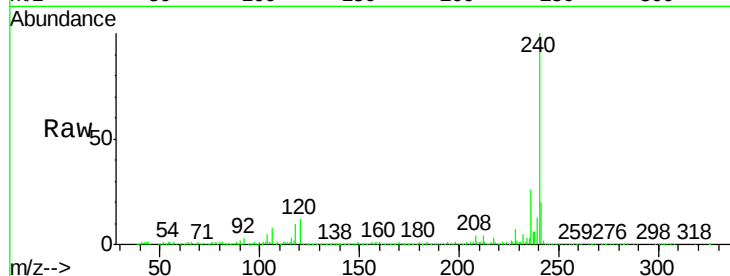




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120414.D
Acq: 28 May 2020 18:04

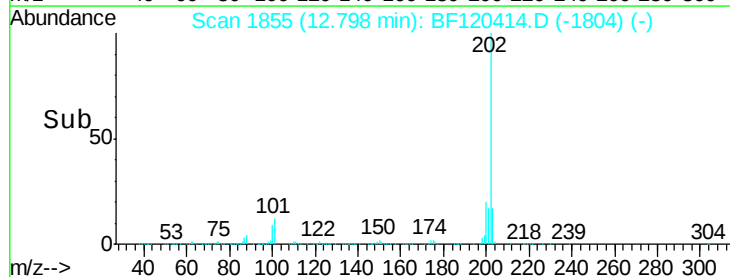
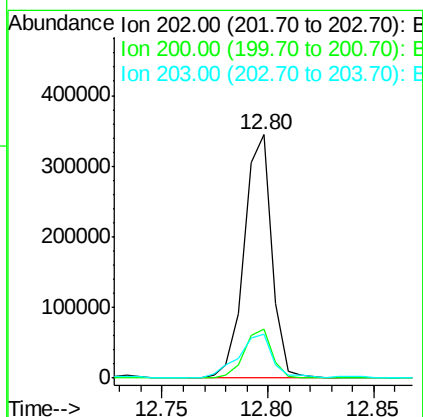
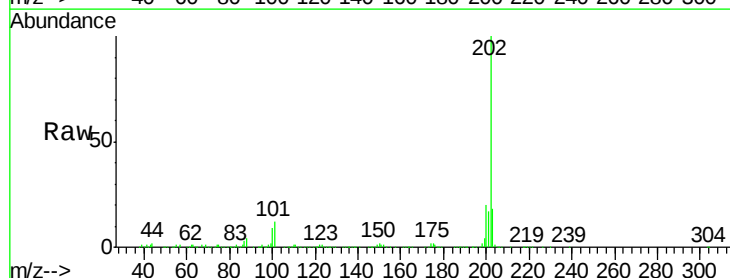
Instrument :
BNA_F
ClientSampleId :
NM68-COMP-2020-0-6

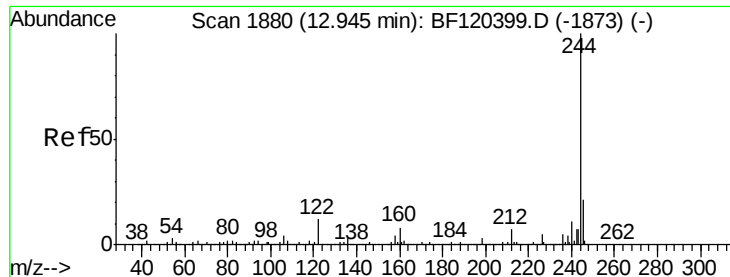
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.8	13.2
236	26.4	21.0	31.4



#78
Pyrene
Concen: 8.229 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120414.D
Acq: 28 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.8	14.7	22.1





#79

Terphenyl-d14

Concen: 68.910 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

Instrument :

BNA_F

ClientSampleId :

NM68-COMP-2020-0-6

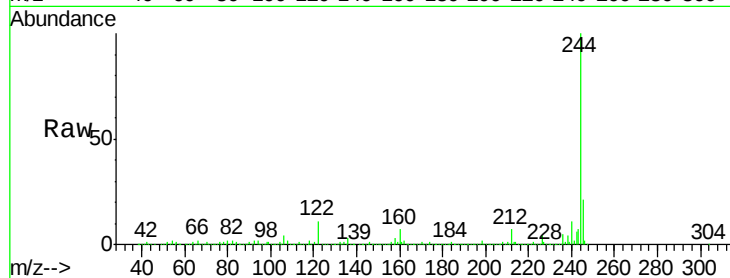
Tot Ion:244 Resp: 1686037

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

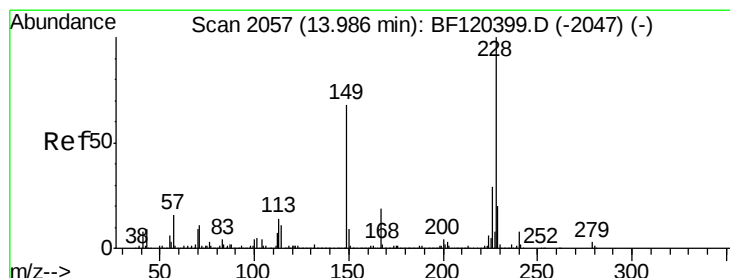
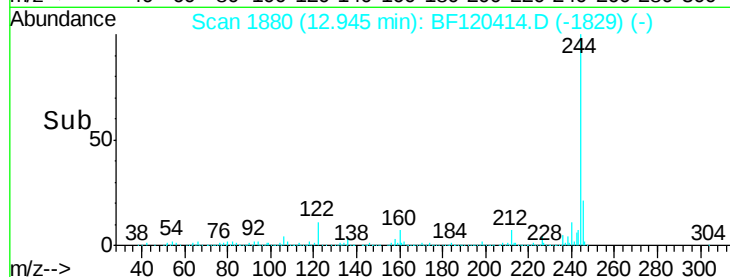
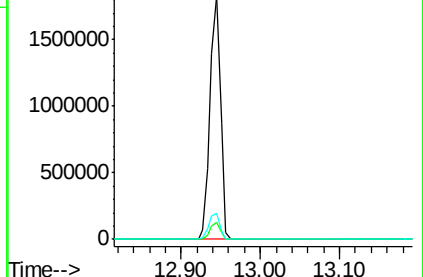
122 10.9 9.2 13.8



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: 6.293 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120414.D

Acq: 28 May 2020 18:04

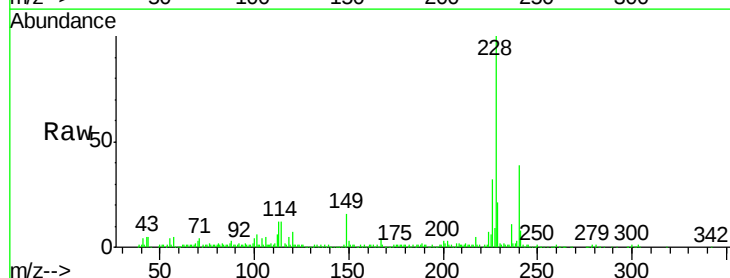
Tgt Ion:228 Resp: 183639

Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.4

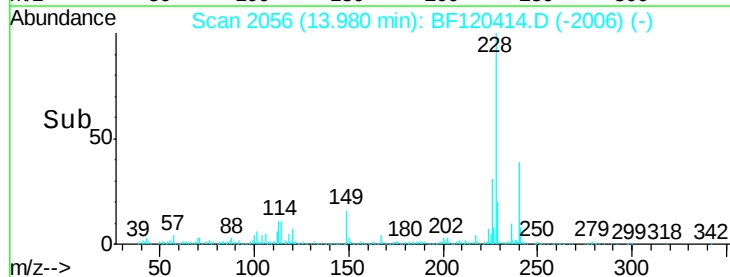
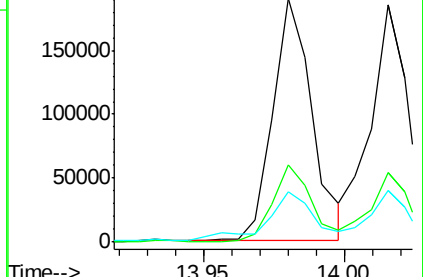
229 20.9 16.2 24.4

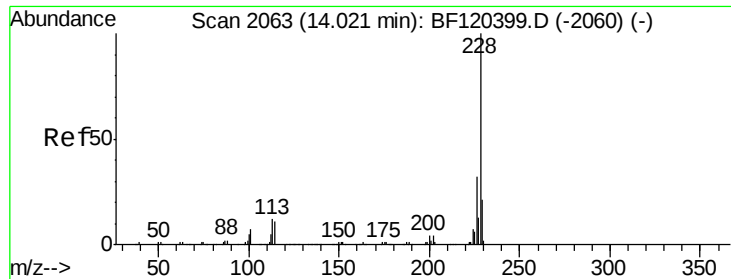


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

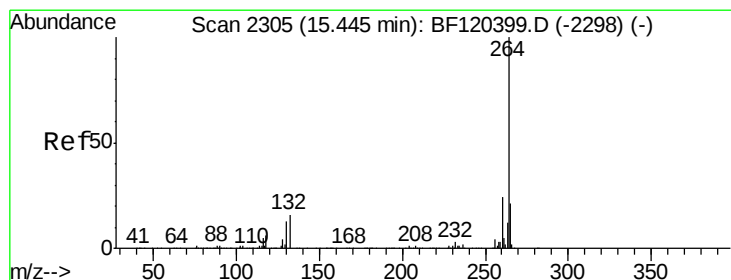
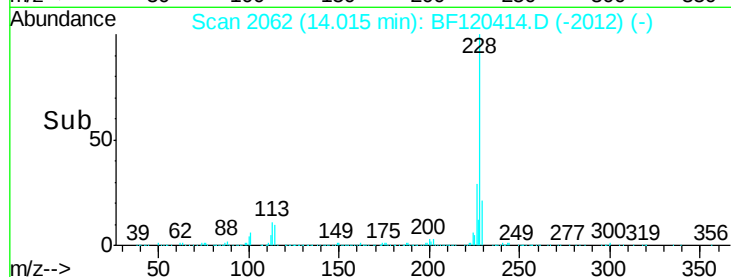
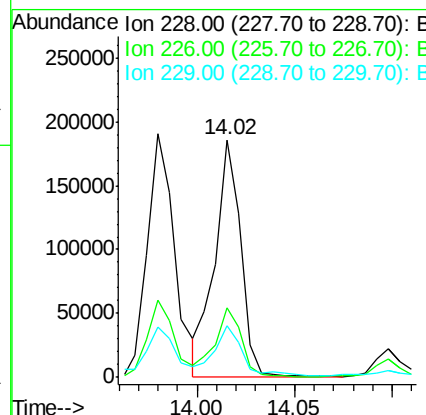
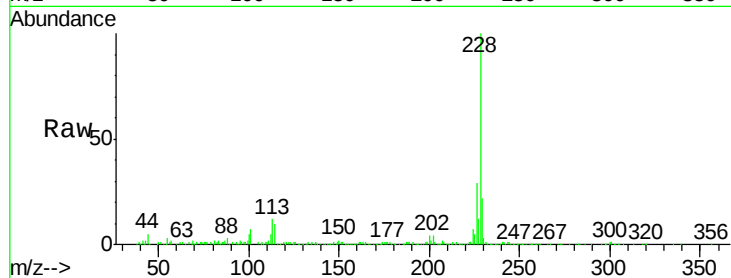




#83
 Chrysene
 Concen: 5.547 ng
 RT: 14.02 min Scan# 2062
 Delta R.T. -0.01 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

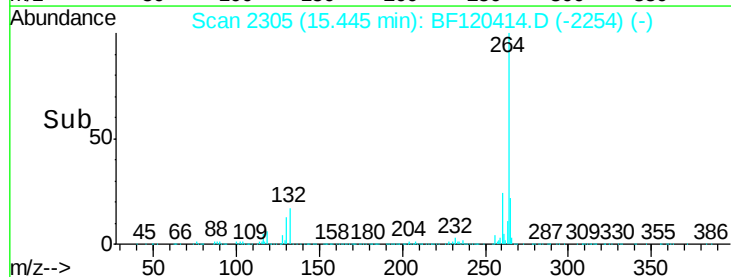
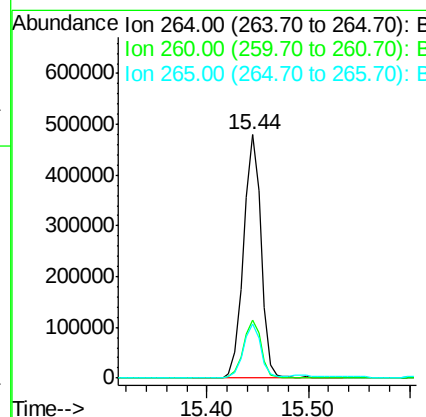
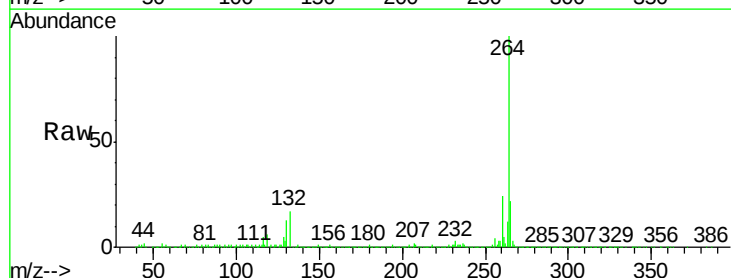
Instrument :
 BNA_F
 ClientSampleId :
 NM68-COMP-2020-0-6

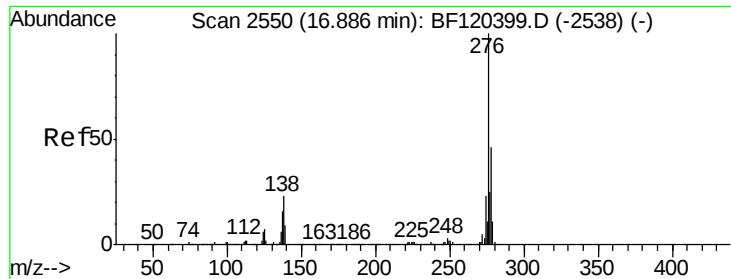
Tot Ion:228 Resp: 169677
 Ion Ratio Lower Upper
 228 100
 226 29.0 25.6 38.4
 229 22.0 16.6 25.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

Tgt Ion:264 Resp: 572397
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.0 16.9 25.3

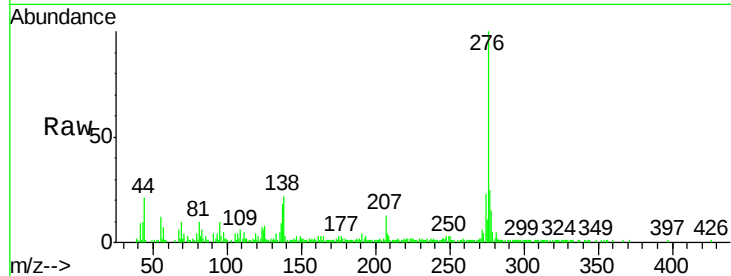




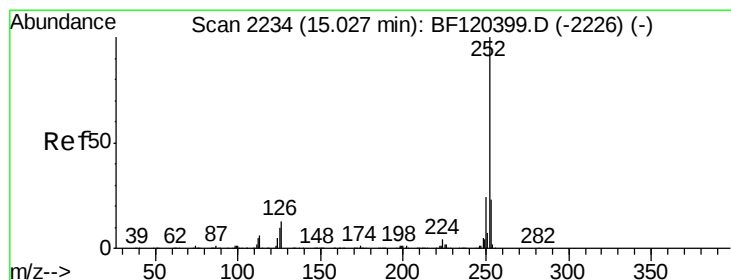
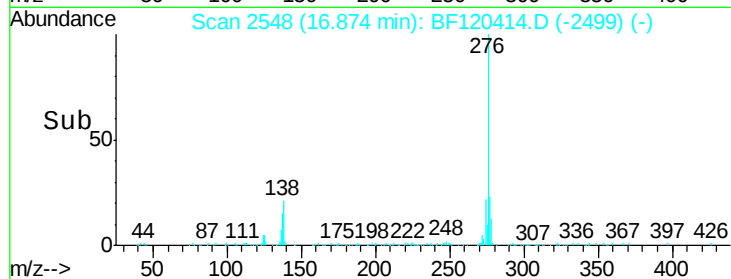
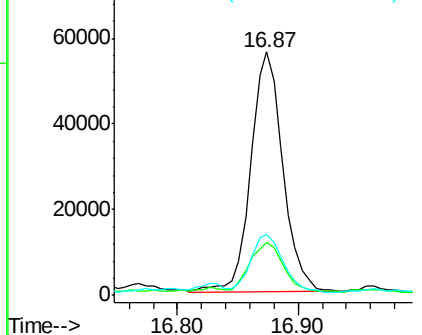
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.318 ng
 RT: 16.87 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

Instrument :
 BNA_F
 ClientSampleId :
 NM68-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.4	30.6
277	24.3	20.4	30.6

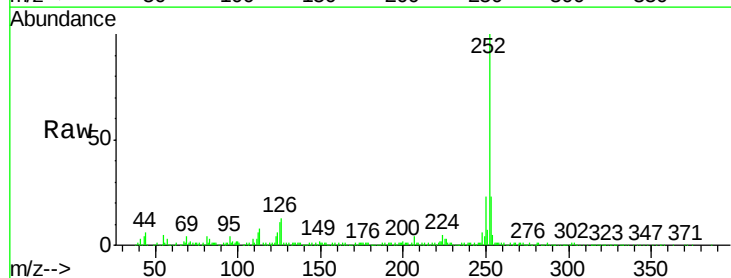


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

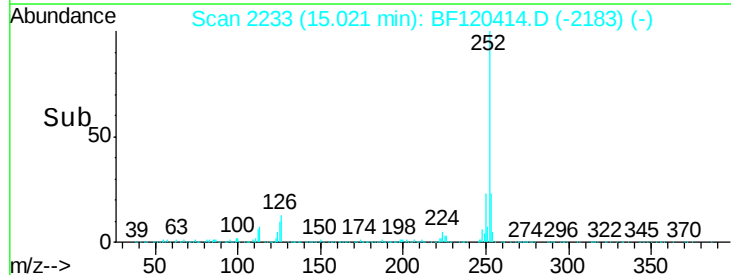
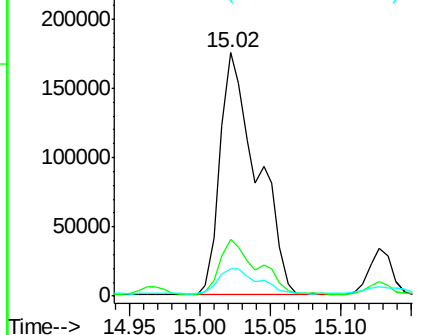


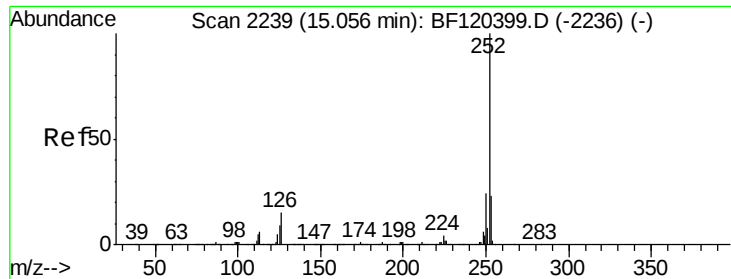
#88
 Benzo(b)fluoranthene
 Concen: 10.129 ng
 RT: 15.02 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.2	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

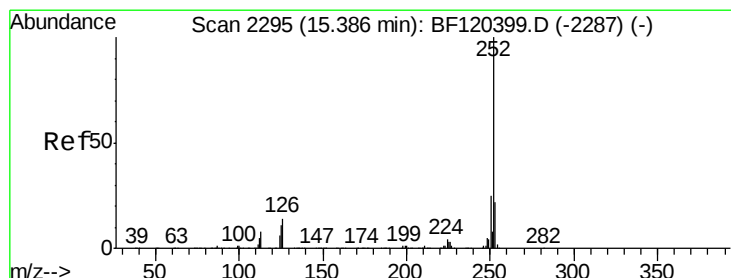
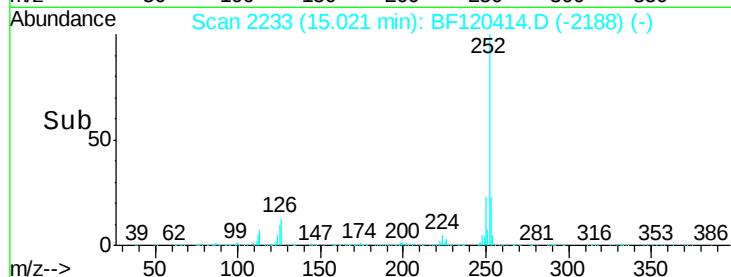
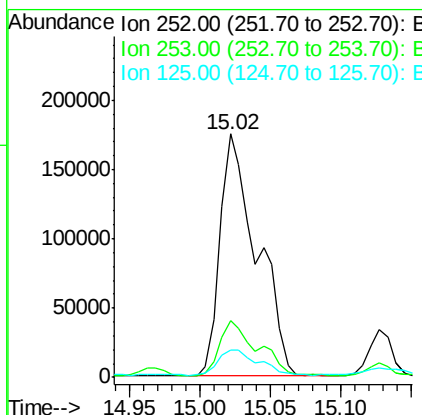
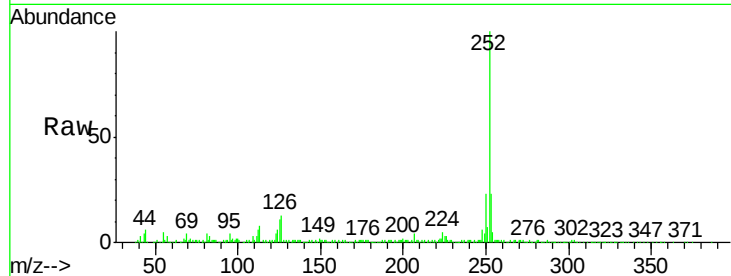




#89
Benzo(k)fluoranthene
Concen: 10.850 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120414.D
Acq: 28 May 2020 18:04

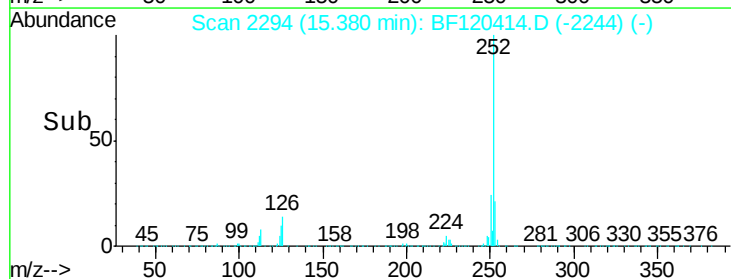
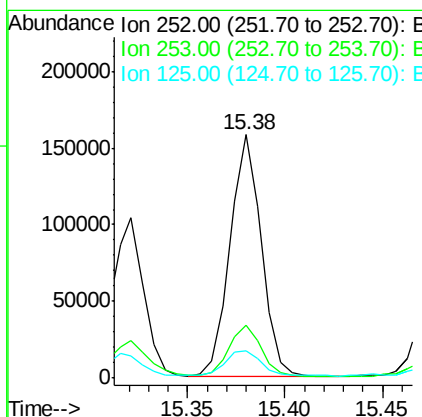
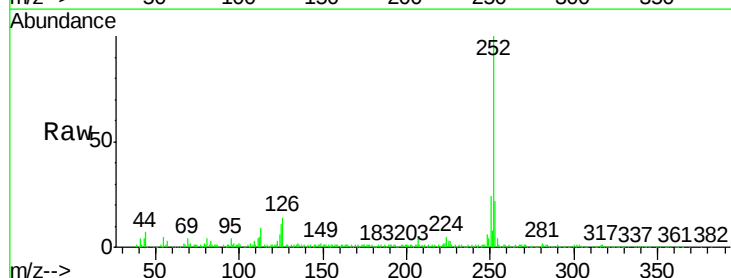
Instrument :
BNA_F
ClientSampleId :
NM68-COMP-2020-0-6

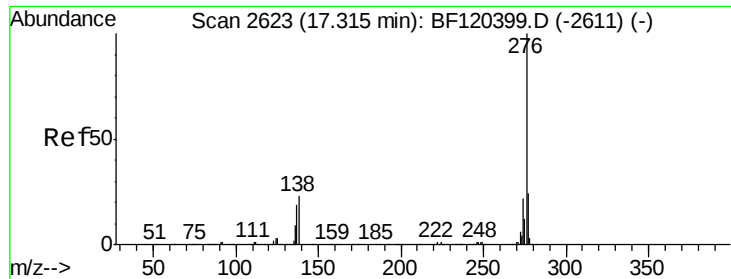
Tot Ion:252 Resp: 322029
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 11.2 8.0 12.0



#90
Benzo(a)pyrene
Concen: 6.315 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120414.D
Acq: 28 May 2020 18:04

Tgt Ion:252 Resp: 175607
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 11.3 8.7 13.1

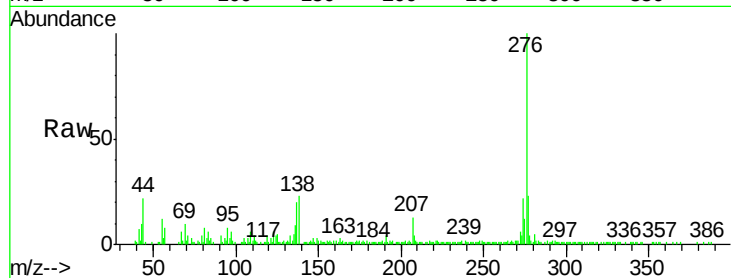




#92
 Benzo(a,h,i)perylene
 Concen: 3.859 ng
 RT: 17.31 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: BF120414.D
 Acq: 28 May 2020 18:04

Instrument :
 BNA_F
 ClientSampleId :
 NM68-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.5	29.3
138	23.1	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

