

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120541.D
 Acq On : 4 Jun 2020 18:48
 Operator : JU/CG
 Sample : L2836-09RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

Quant Time: Jun 05 00:28:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	186344	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	706557	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	346869	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	575259	20.00	ng	0.00
76) Chrysene-d12	13.99	240	437028	20.00	ng	-0.01
86) Perylene-d12	15.45	264	403221	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	989099	101.16	ng	0.00
7) Phenol-d6	6.46	99	1209702	100.37	ng	0.00
23) Nitrobenzene-d5	7.39	82	801340	74.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	315876	98.28	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1433711	70.13	ng	0.00
79) Terphenyl-d14	12.94	244	1343033	68.38	ng	0.00

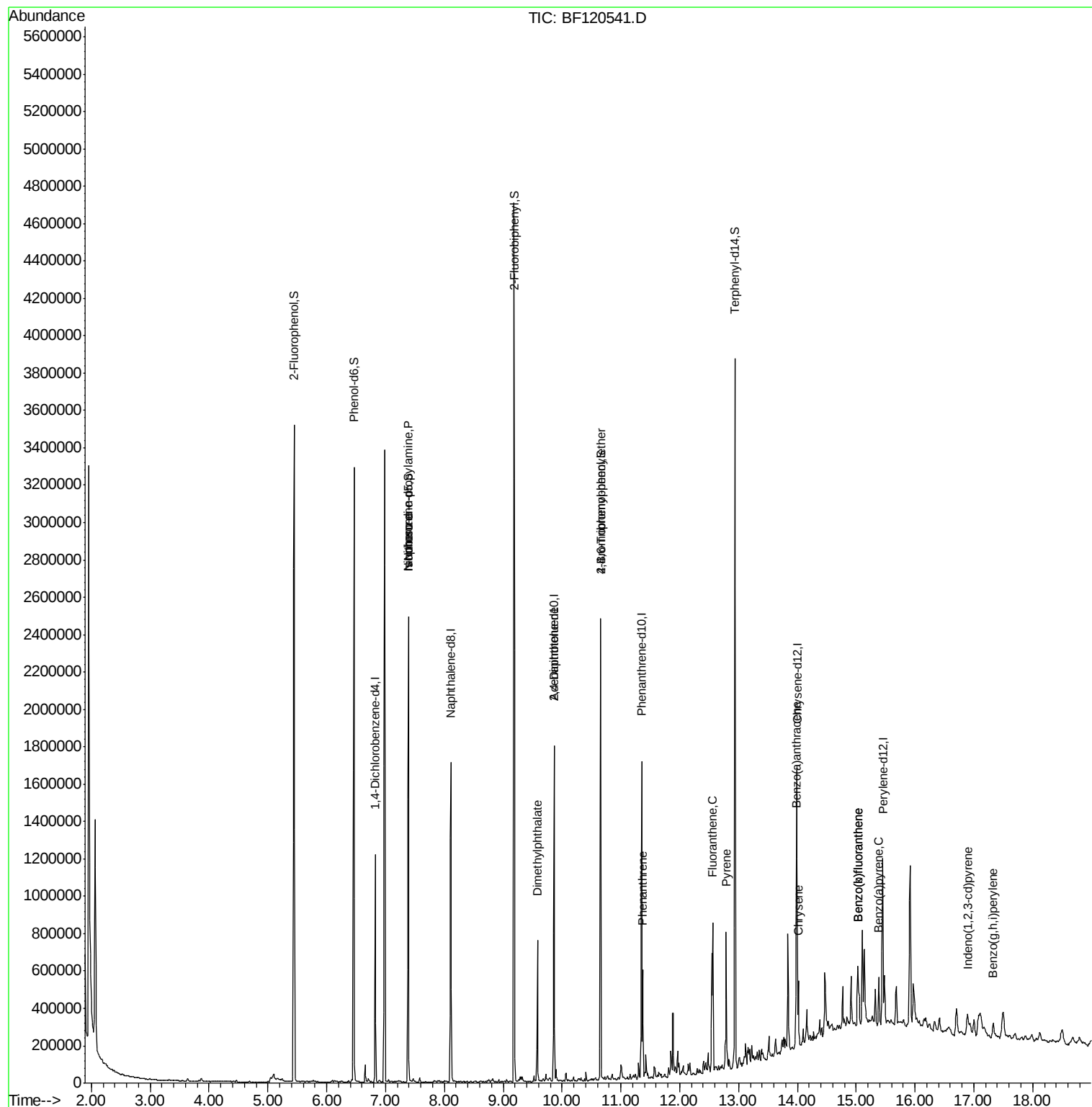
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	106531	13.905	ng	# 78
25) Isophorone	7.39	82	797490	36.735	ng	# 63
50) Dimethylphthalate	9.58	163	284066	13.099	ng	100
57) 2,4-Dinitrotoluene	9.86	165	44661	7.241	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	19354	3.333	ng	# 1
71) Phenanthrene	11.37	178	183538	7.241	ng	99
75) Fluoranthene	12.56	202	302294	11.083	ng	98
78) Pyrene	12.79	202	288698	9.499	ng	98
81) Benzo(a)anthracene	13.98	228	166444	7.106	ng	98
83) Chrysene	14.02	228	146402	5.962	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	68637	3.112	ng	97
88) Benzo(b)fluoranthene	15.03	252	237968	10.625	ng	97
89) Benzo(k)fluoranthene	15.03	252	237968	11.382	ng	99
90) Benzo(a)pyrene	15.39	252	125606	6.412	ng	99
92) Benzo(a,h,i)perylene	17.33	276	63529	3.582	ng	97

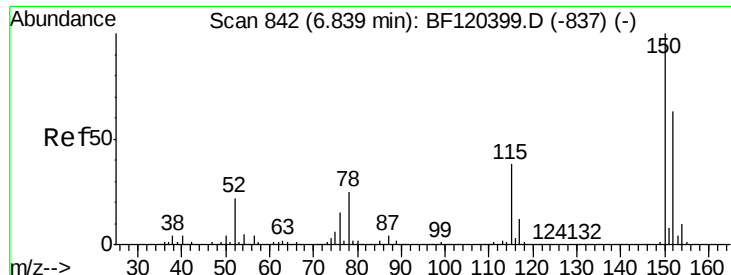
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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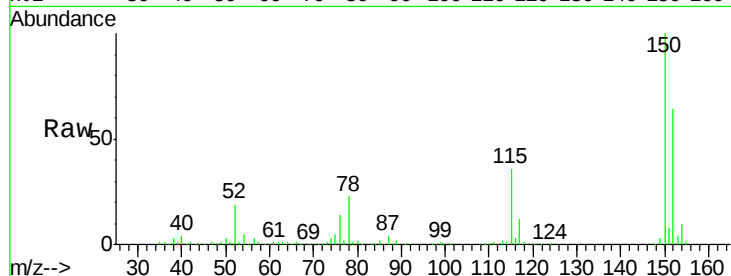


#1

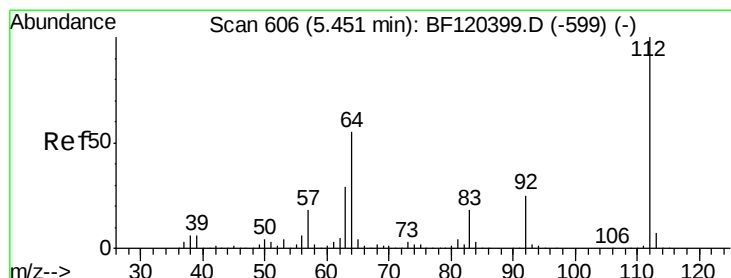
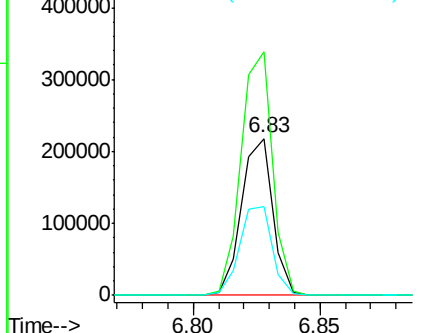
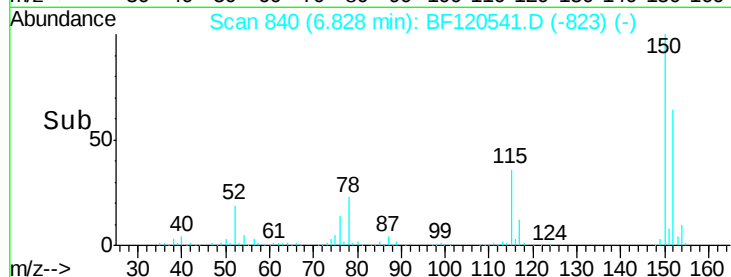
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BF120541.D
 Acq: 4 Jun 2020 18:48

Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

Tot Ion:152 Resp: 186344
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.3 189.5
 115 56.5 48.1 72.1



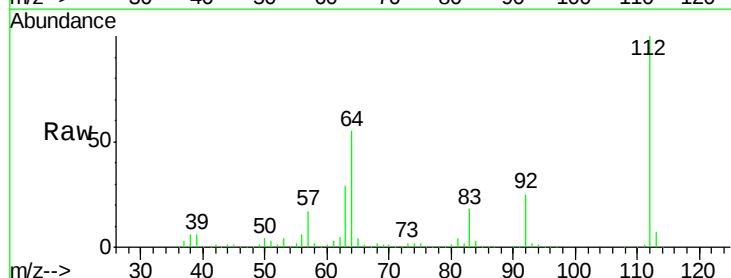
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



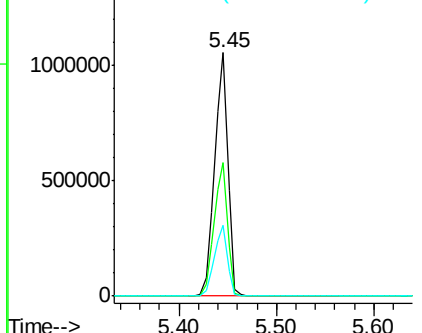
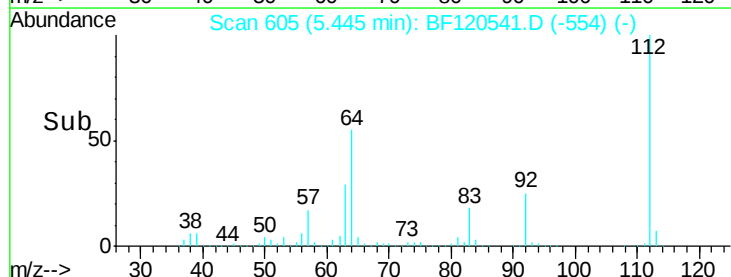
#5

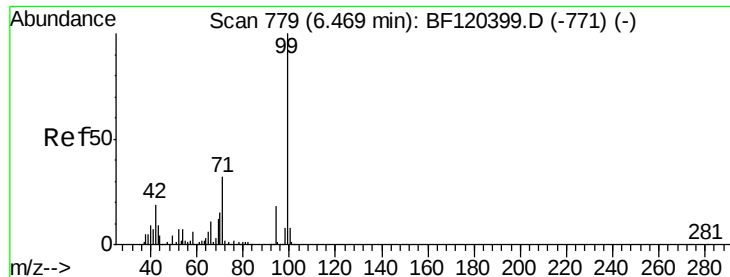
2-Fluorophenol
 Concen: 101.156 ng
 RT: 5.45 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: BF120541.D
 Acq: 4 Jun 2020 18:48

Tgt Ion:112 Resp: 989099
 Ion Ratio Lower Upper
 112 100
 64 55.0 47.2 70.8
 63 29.0 24.7 37.1



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: 100.373 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

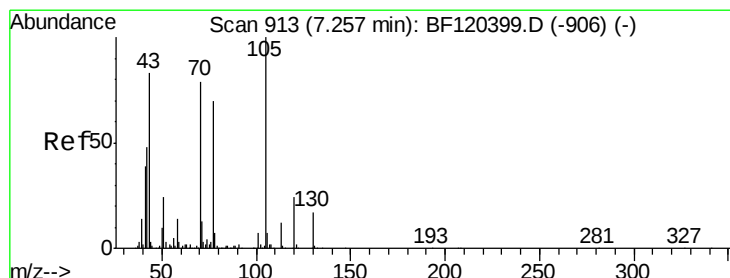
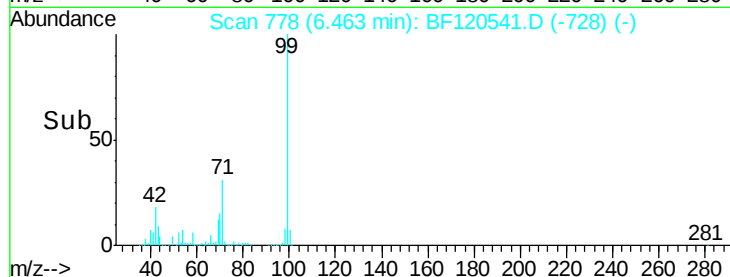
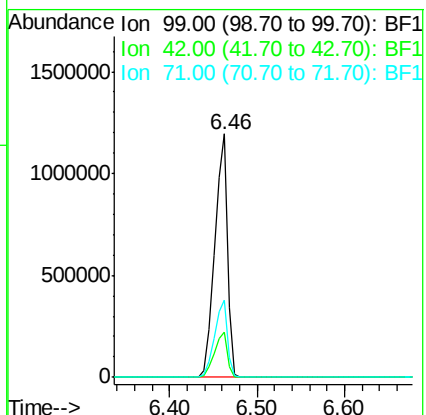
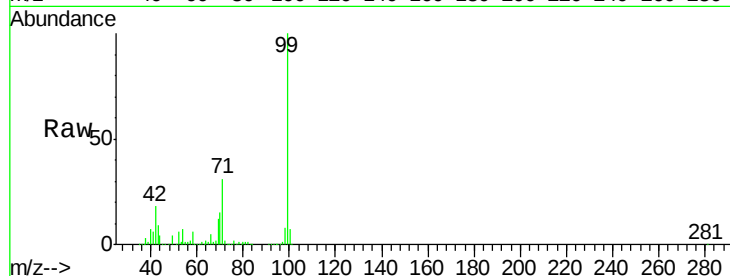
Tot Ion: 99 Resp: 1209702

Ion Ratio Lower Upper

99 100

42 18.3 15.0 22.6

71 31.5 27.0 40.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.905 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Tgt Ion: 70 Resp: 106531

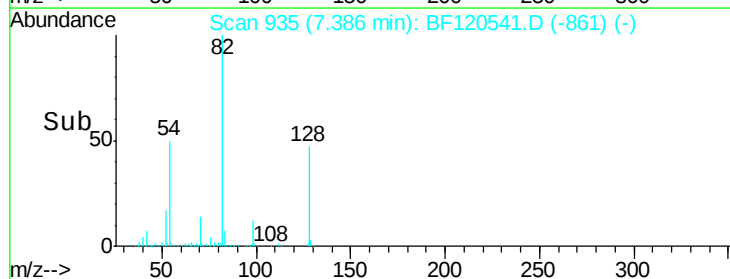
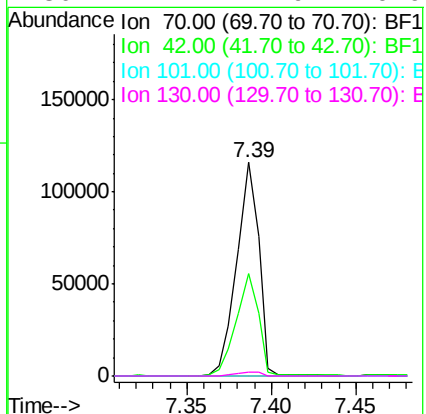
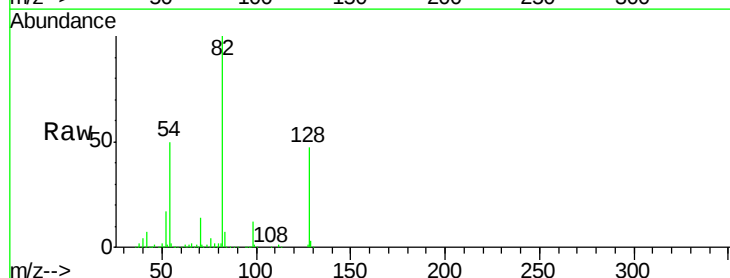
Ion Ratio Lower Upper

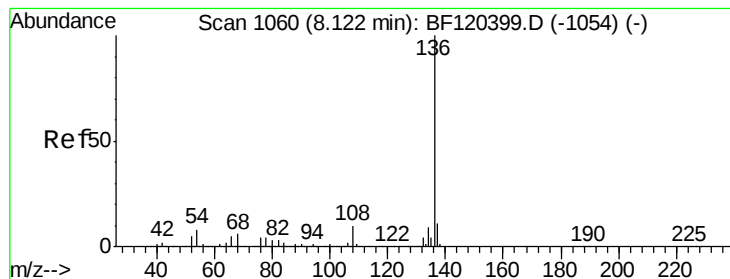
70 100

42 48.1 47.0 70.4

101 0.0 7.8 11.8#

130 2.1 17.9 26.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

Tot Ion:136 Resp: 706557

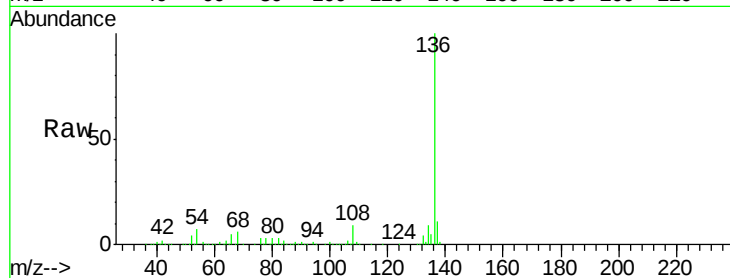
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.1 5.4 8.0

68 5.8 4.3 6.5

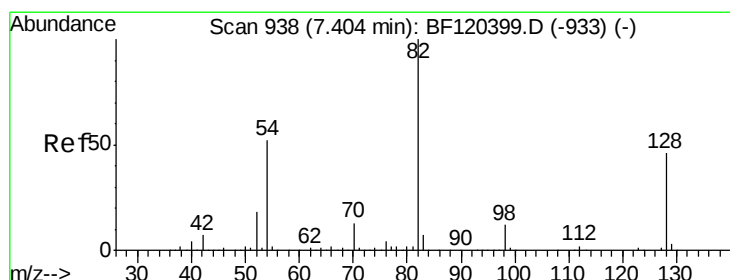
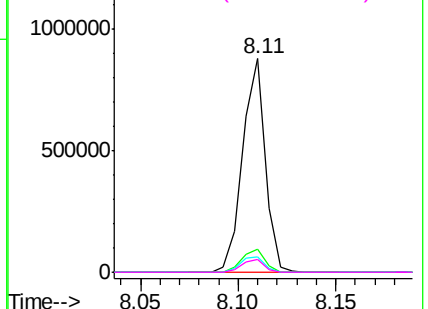
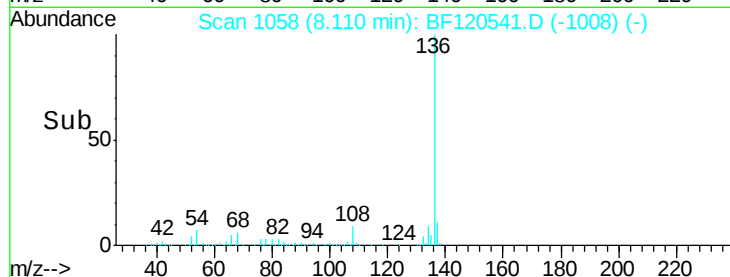


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.188 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

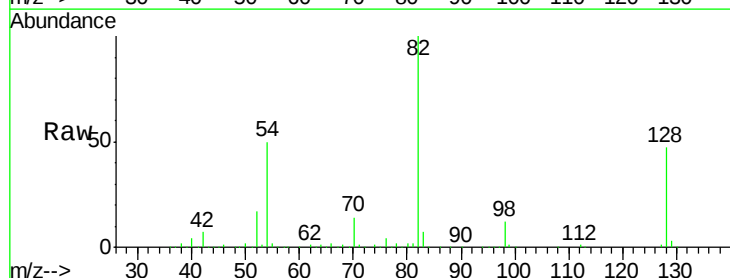
Tgt Ion: 82 Resp: 801340

Ion Ratio Lower Upper

82 100

128 47.0 36.7 55.1

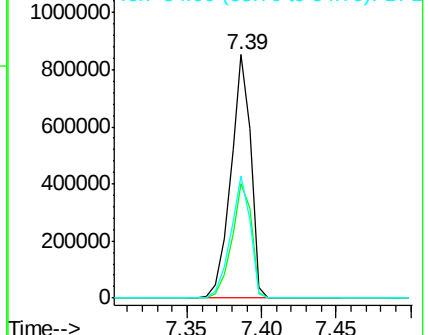
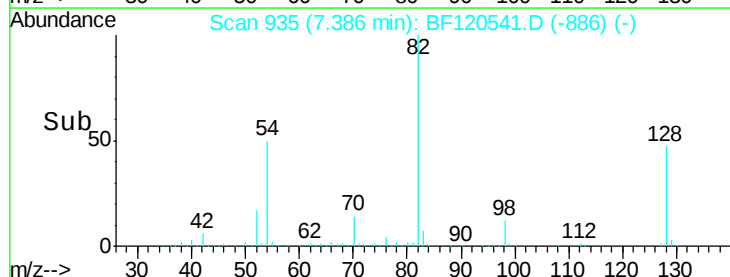
54 50.1 40.0 60.0

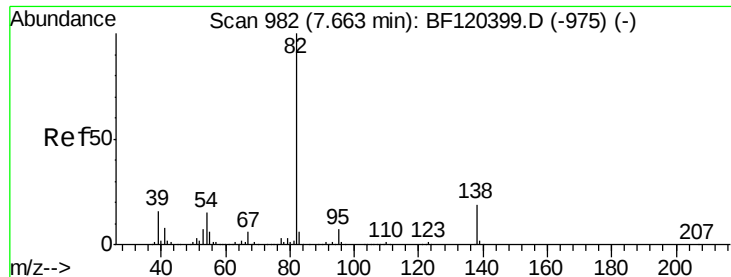


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.735 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

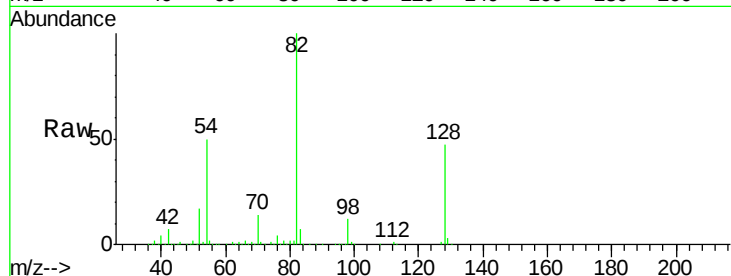
Tot Ion: 82 Resp: 797490

Ion Ratio Lower Upper

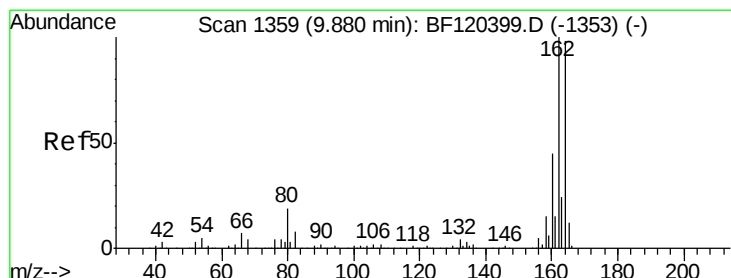
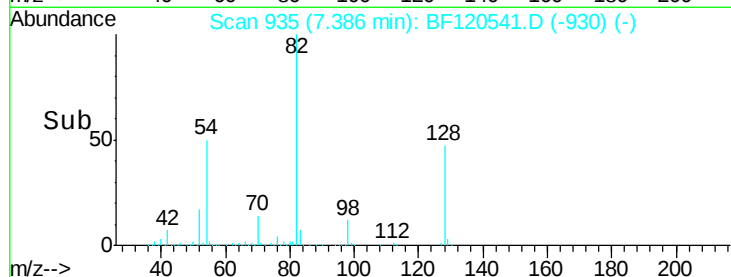
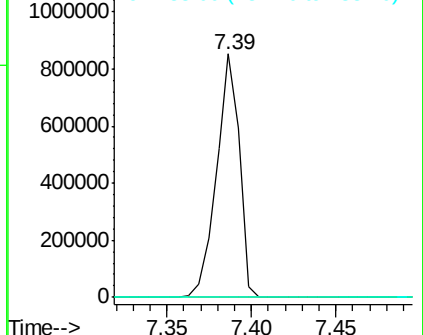
82 100

95 0.0 5.8 8.6#

138 0.0 15.6 23.4#



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: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

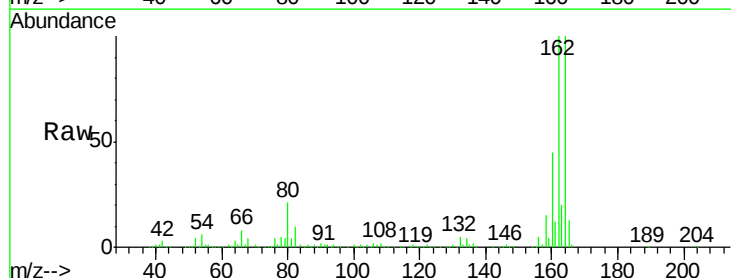
Tgt Ion:164 Resp: 346869

Ion Ratio Lower Upper

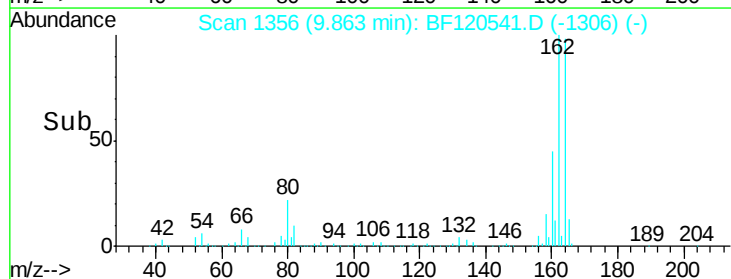
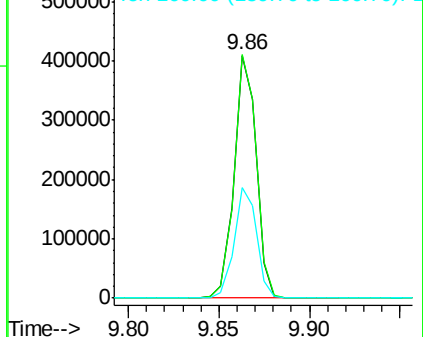
164 100

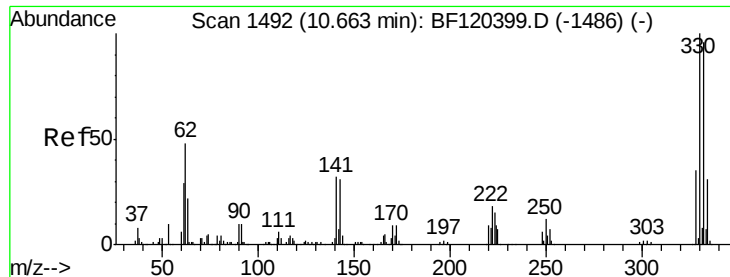
162 100.4 81.2 121.8

160 45.4 37.0 55.4



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: 98.284 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

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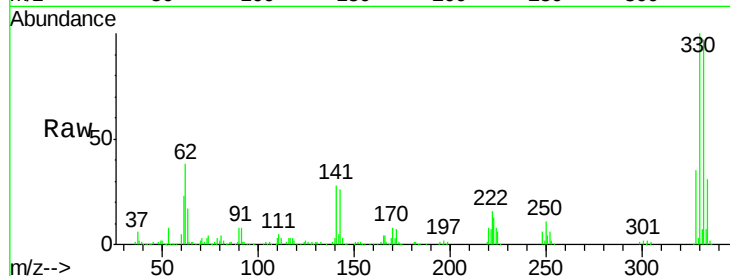
Tot Ion:330 Resp: 315876

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.4

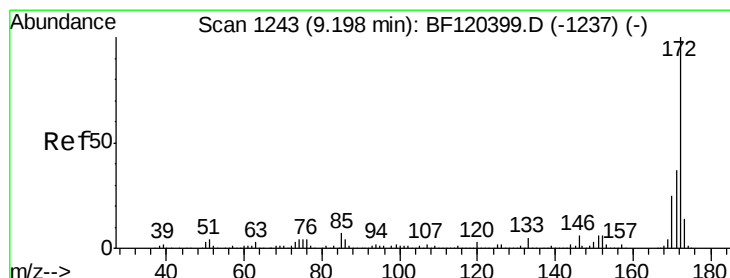
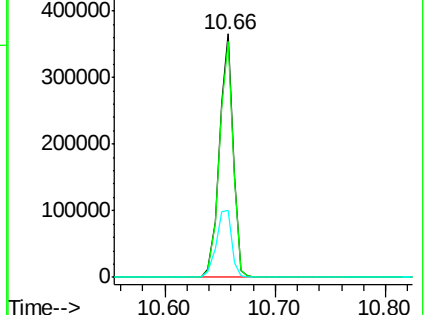
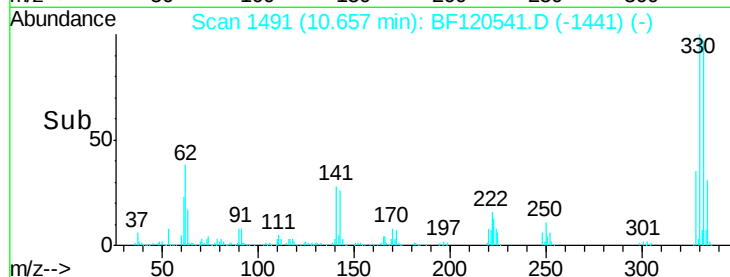
141 31.4 23.8 35.8



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: 70.129 ng

RT: 9.19 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

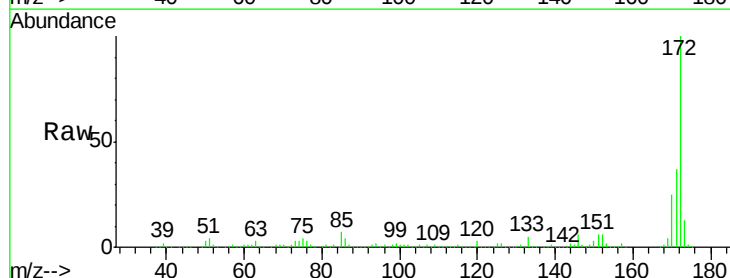
Tgt Ion:172 Resp: 1433711

Ion Ratio Lower Upper

172 100

171 36.6 29.5 44.3

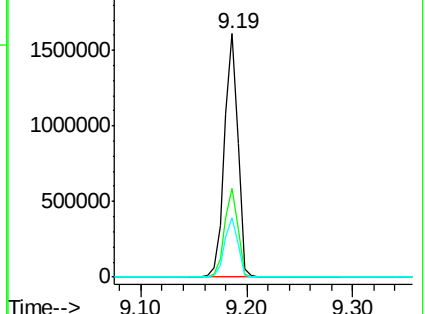
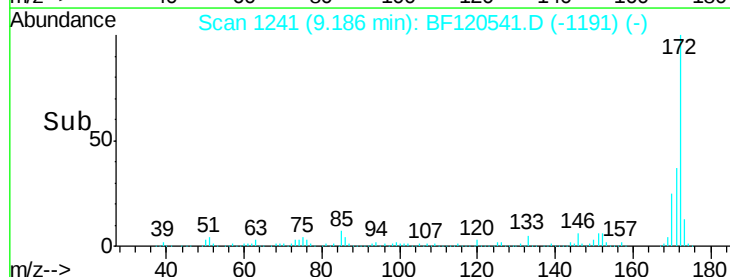
170 24.5 19.8 29.6

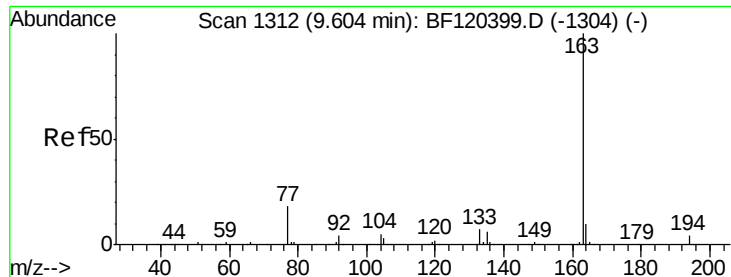


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

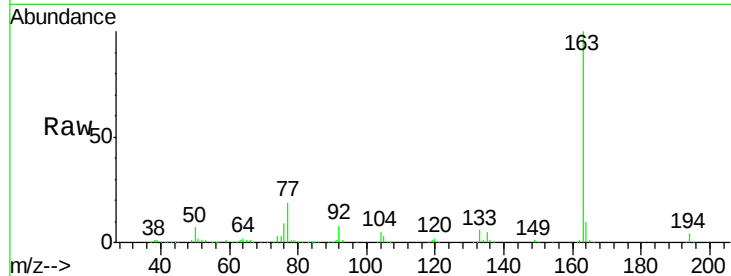




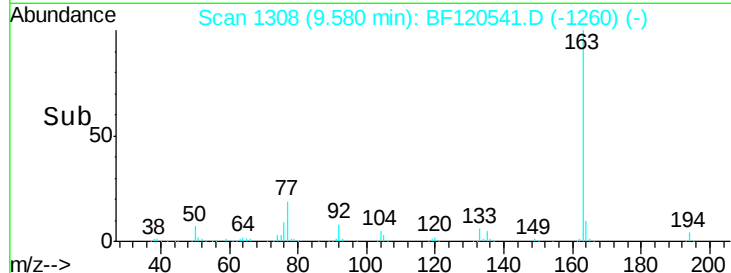
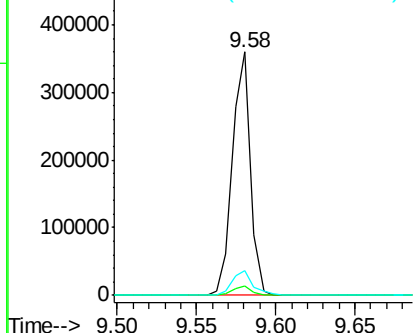
#50
Dimethylphthalate
Concen: 13.099 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120541.D
Acq: 4 Jun 2020 18:48

Instrument :
BNA_F
ClientSampleId :
NM102-COMP-2020-0-6

Tot Ion:163 Resp: 284066
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.1 8.0 12.0

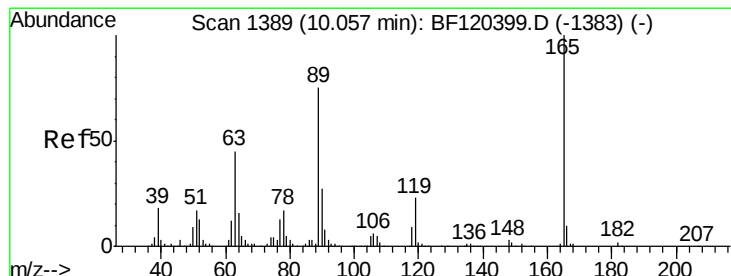


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

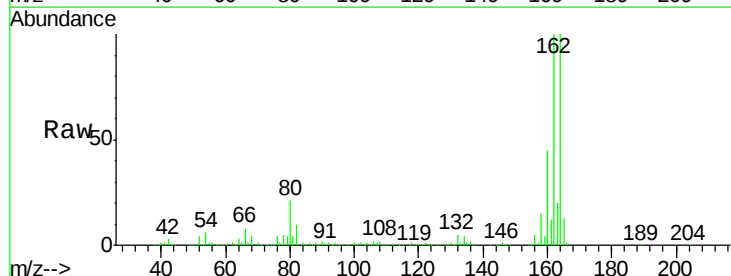
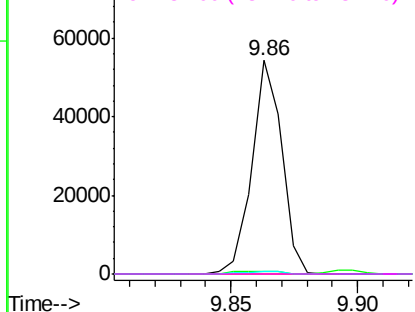


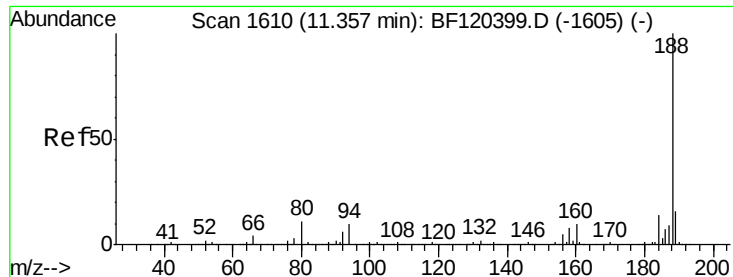
#57
2,4-Dinitrotoluene
Concen: 7.241 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120541.D
Acq: 4 Jun 2020 18:48

Tgt Ion:165 Resp: 44661
Ion Ratio Lower Upper
165 100
63 1.3 34.1 51.1#
89 1.1 56.2 84.4#
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: 11.35 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

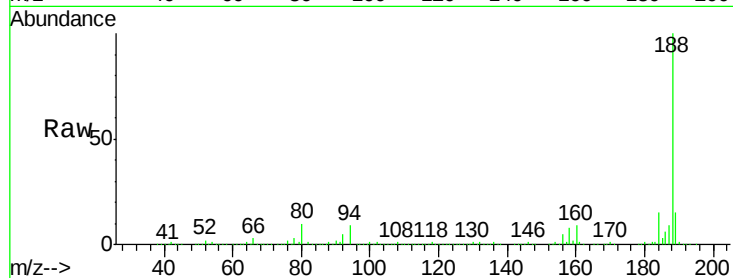
Tot Ion:188 Resp: 575259

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

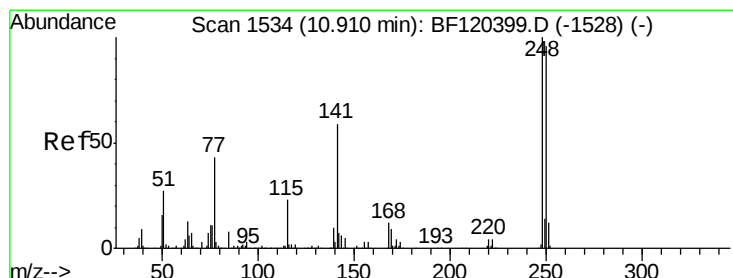
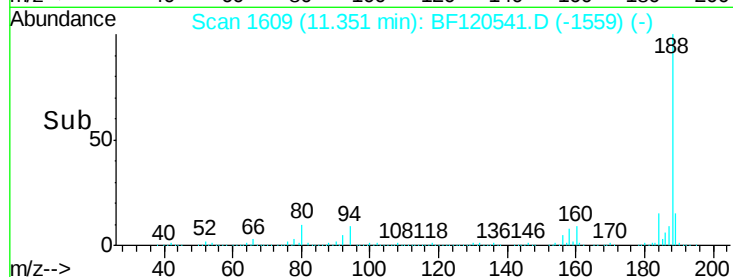
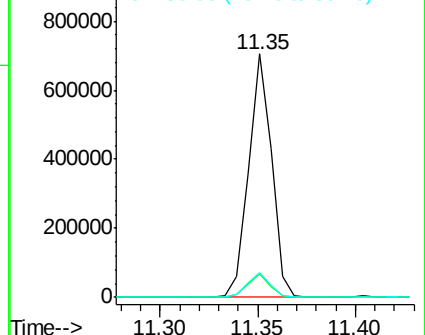
80 10.1 7.6 11.4



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: 3.333 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

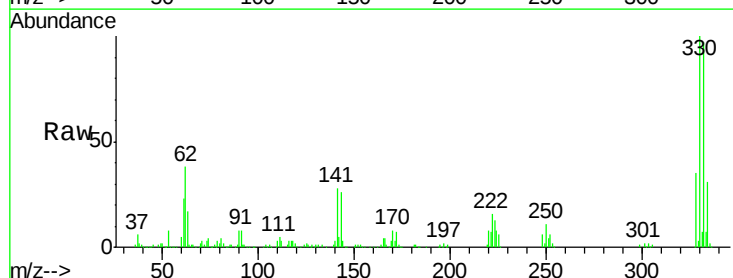
Tgt Ion:248 Resp: 19354

Ion Ratio Lower Upper

248 100

250 188.8 77.4 116.0#

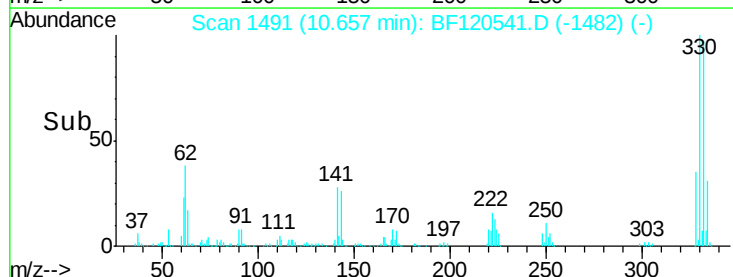
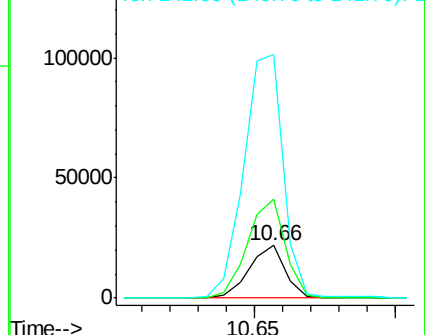
141 464.4 46.1 69.1#

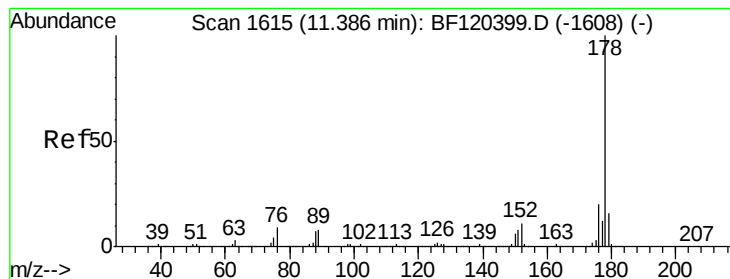


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 7.241 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

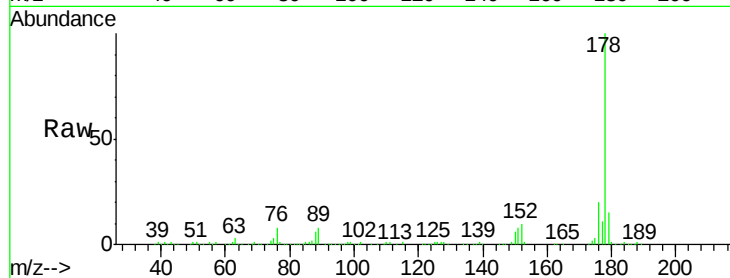
Tot Ion:178 Resp: 183538

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

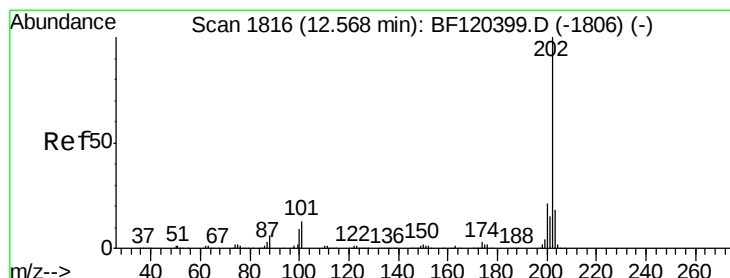
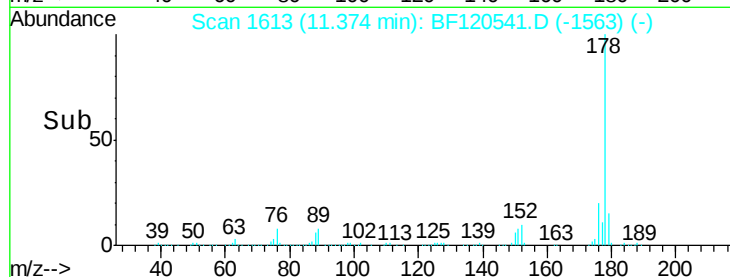
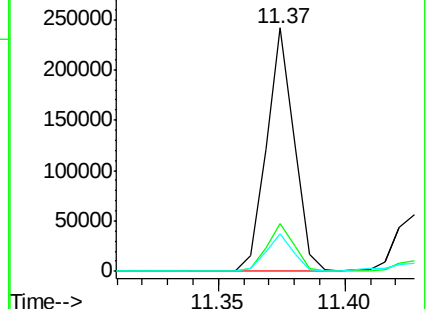
179 15.3 12.8 19.2



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: 11.083 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

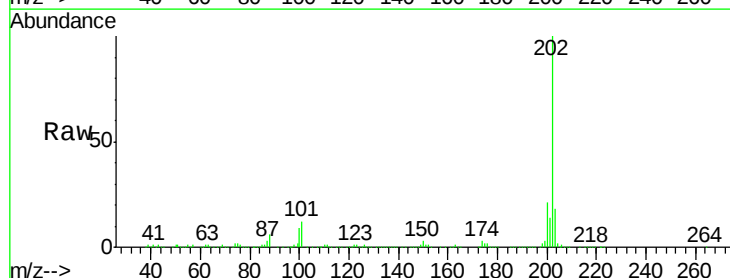
Tgt Ion:202 Resp: 302294

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.3

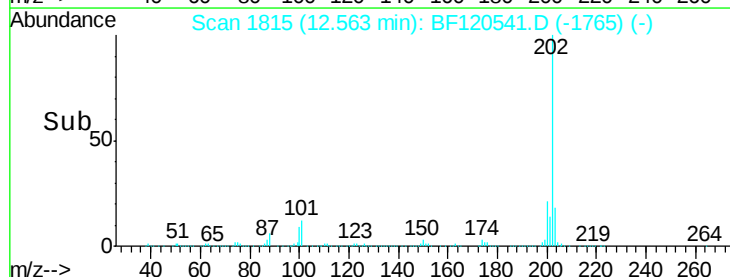
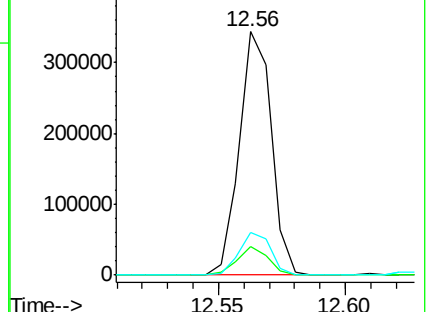
203 17.7 0.0 38.4

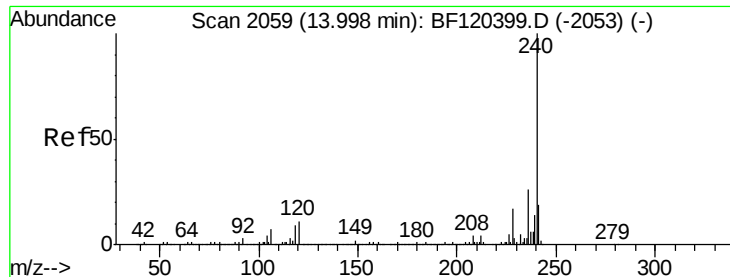


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

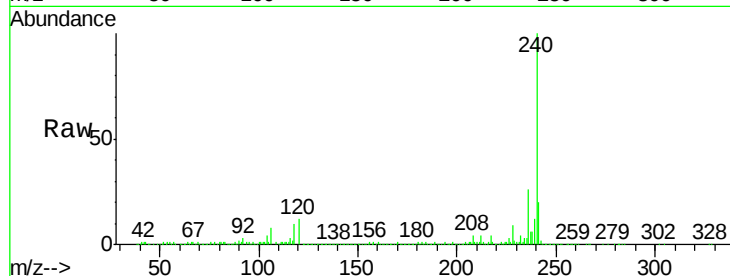
Tot Ion:240 Resp: 437028

Ion Ratio Lower Upper

240 100

120 12.0 7.7 11.5#

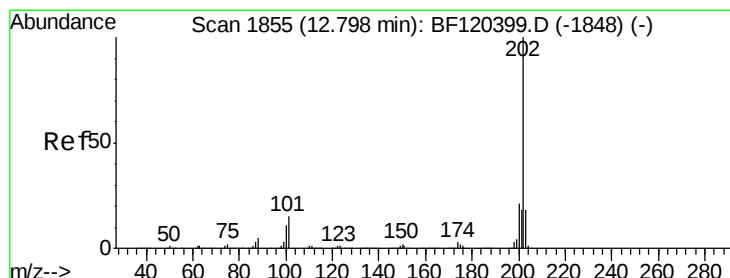
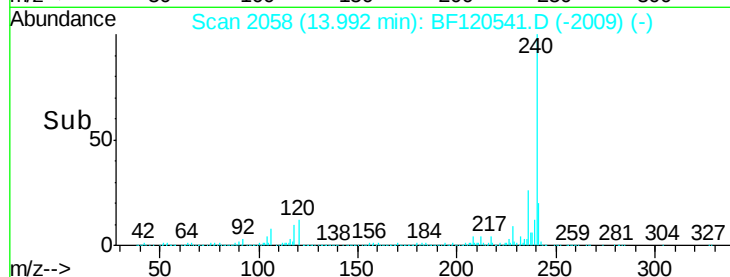
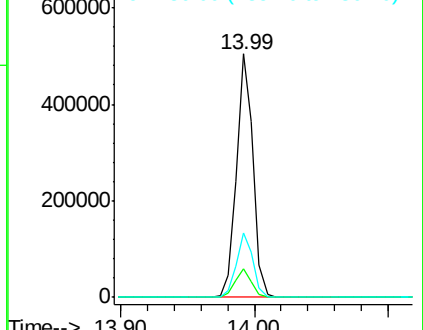
236 26.5 20.8 31.2



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: 9.499 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

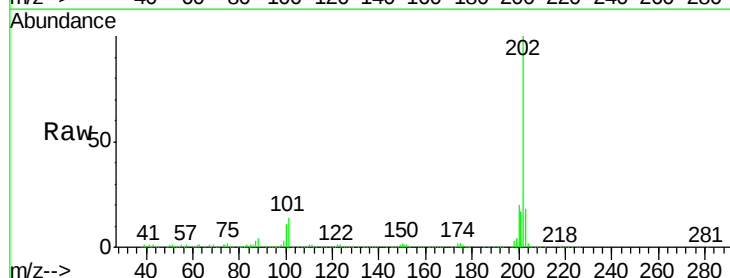
Tgt Ion:202 Resp: 288698

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.6

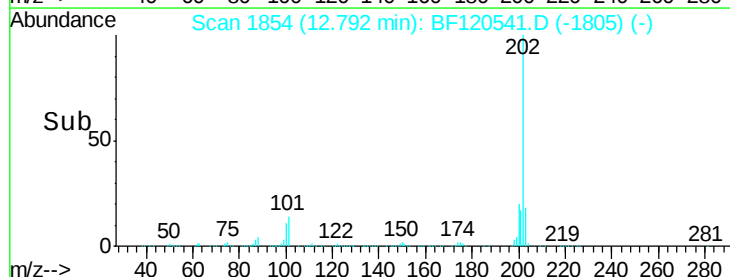
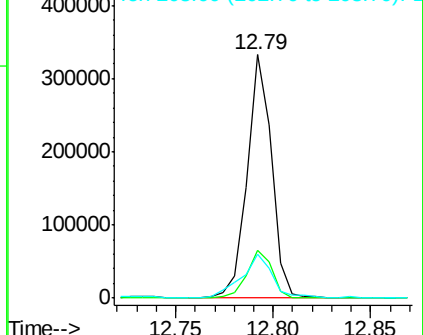
203 18.0 14.2 21.2

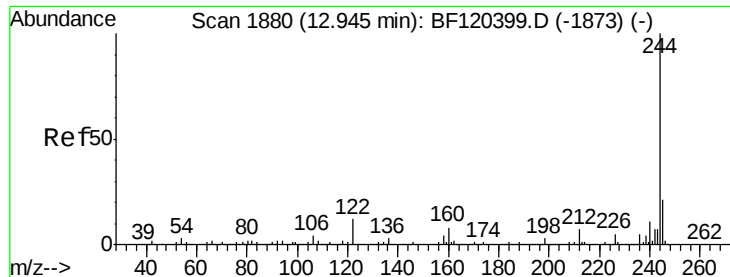


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.384 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

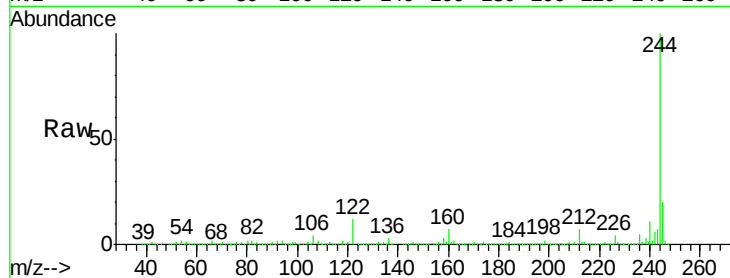
Tot Ion:244 Resp: 1343033

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

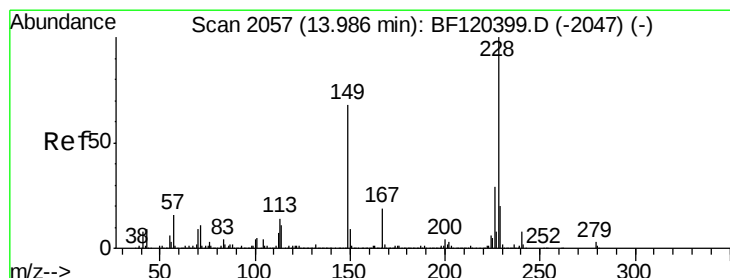
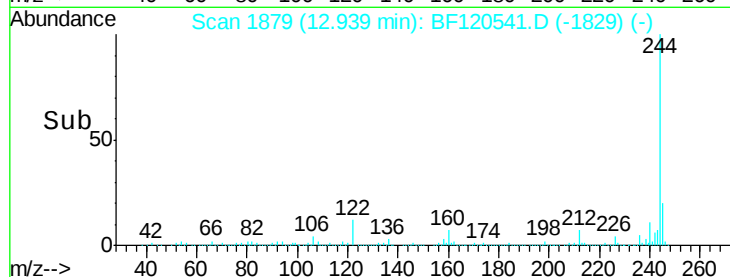
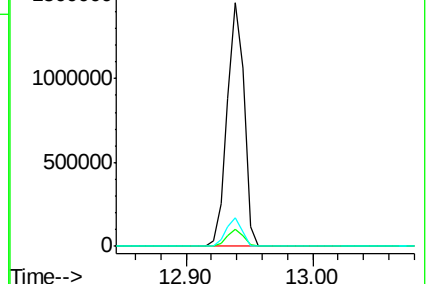
122 11.6 8.0 12.0



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: 7.106 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

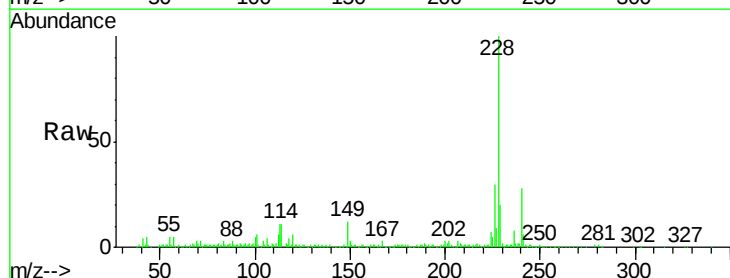
Tgt Ion:228 Resp: 166444

Ion Ratio Lower Upper

228 100

226 29.5 22.4 33.6

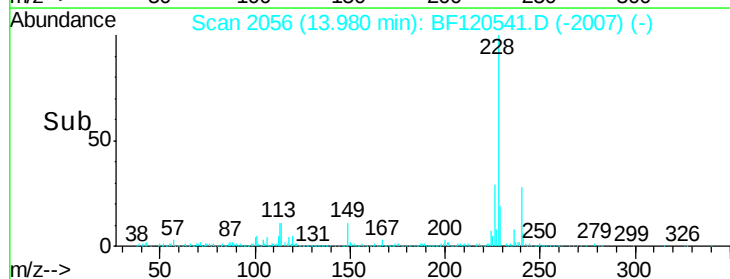
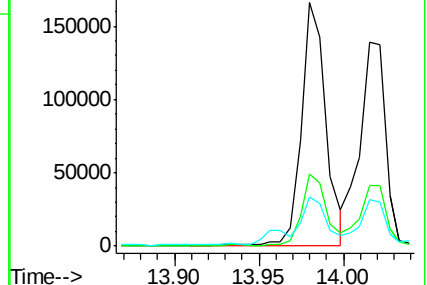
229 19.9 16.2 24.2

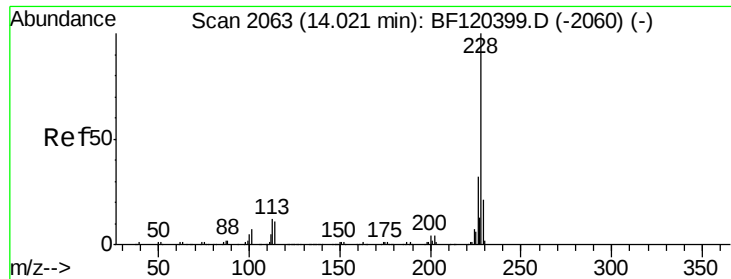


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.962 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

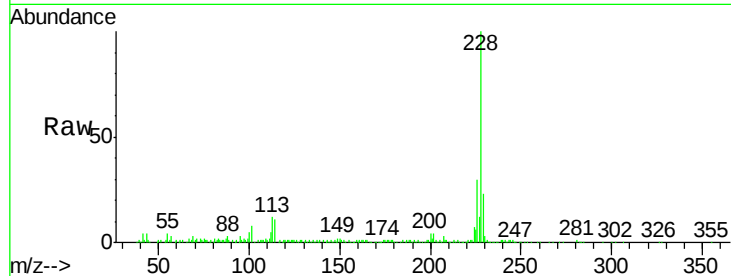
Tot Ion:228 Resp: 146402

Ion Ratio Lower Upper

228 100

226 30.1 25.6 38.4

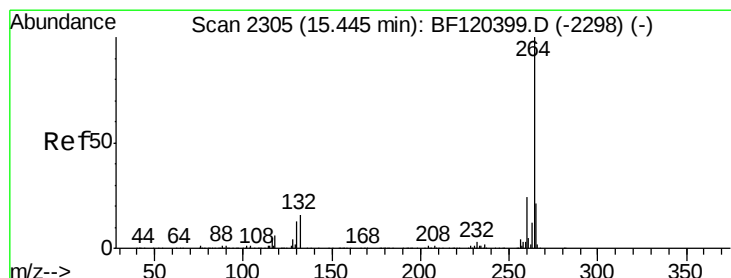
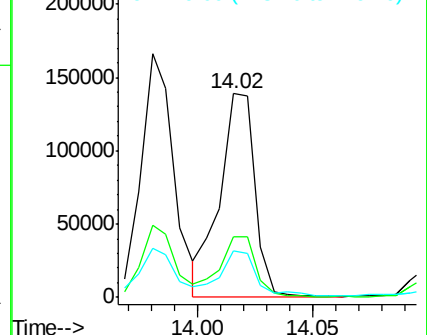
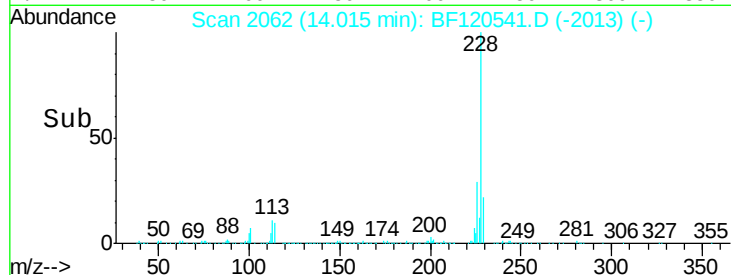
229 23.1 16.2 24.2



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: 15.45 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BF120541.D

Acq: 4 Jun 2020 18:48

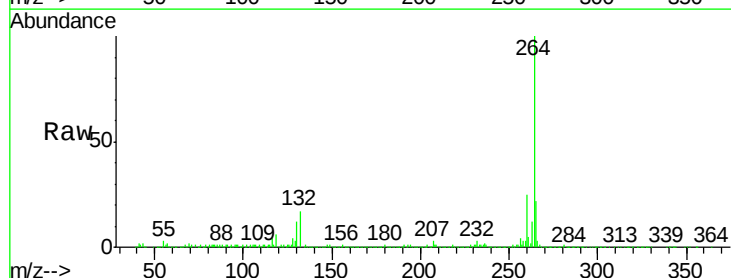
Tgt Ion:264 Resp: 403221

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

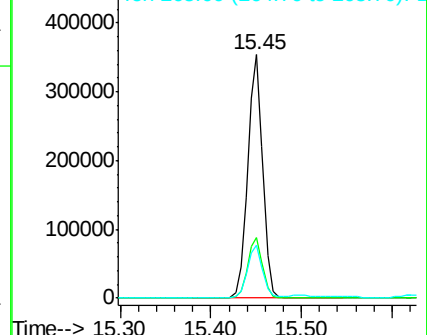
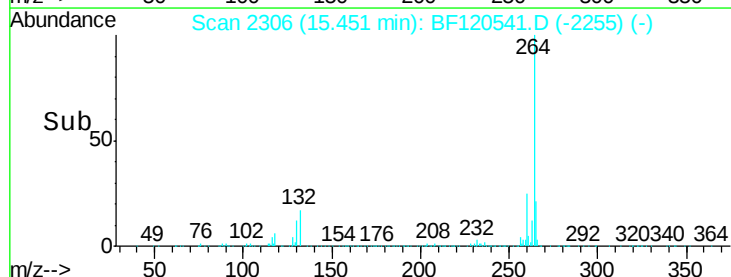
265 21.6 17.5 26.3

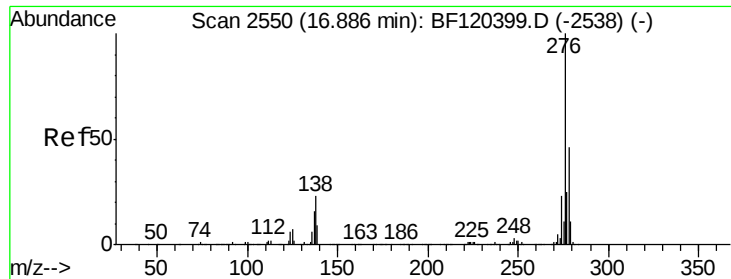


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

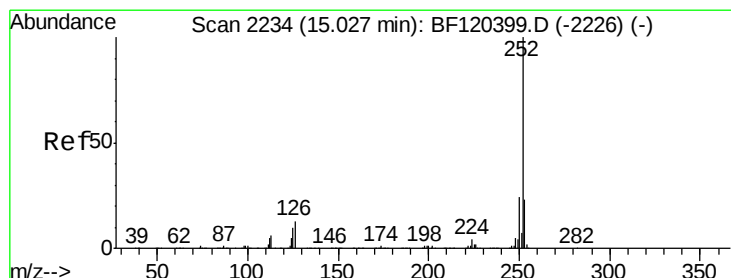
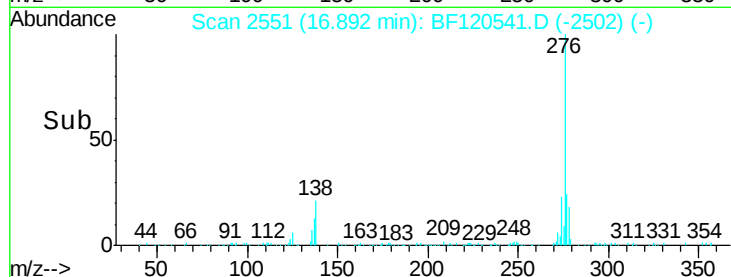
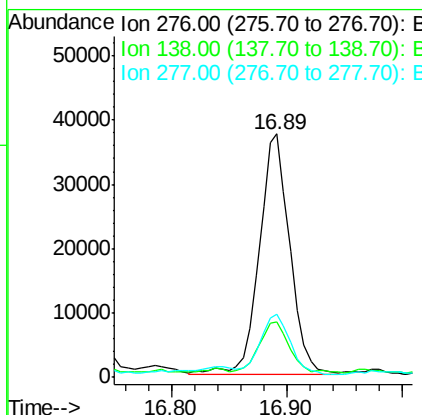
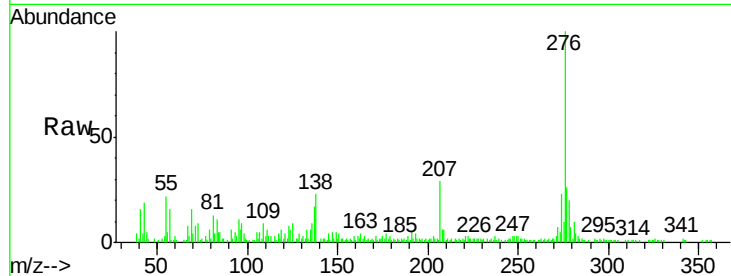




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.112 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF120541.D
 Acq: 4 Jun 2020 18:48

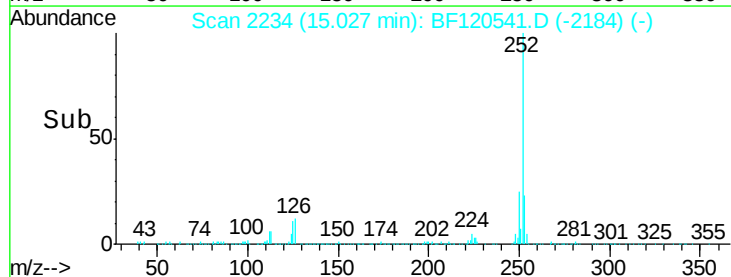
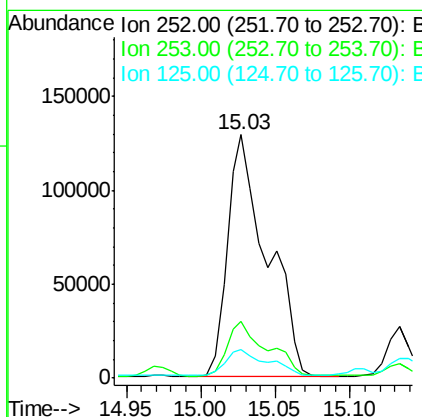
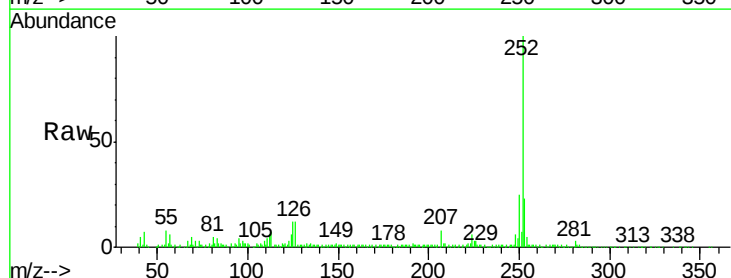
Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

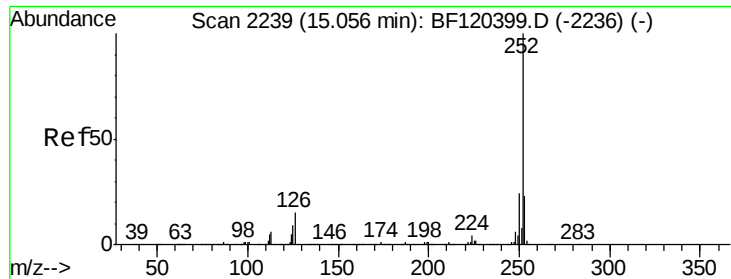
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.2	28.8
277	24.8	20.3	30.5



#88
 Benzo(b)fluoranthene
 Concen: 10.625 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF120541.D
 Acq: 4 Jun 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.8	8.3	12.5

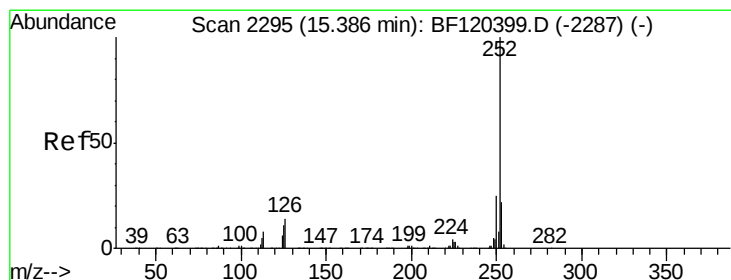
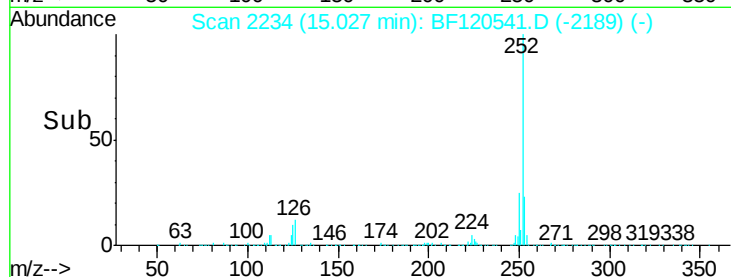
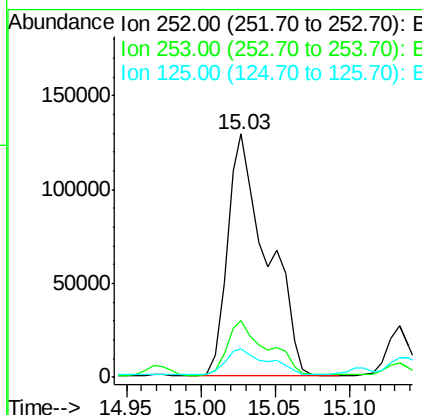
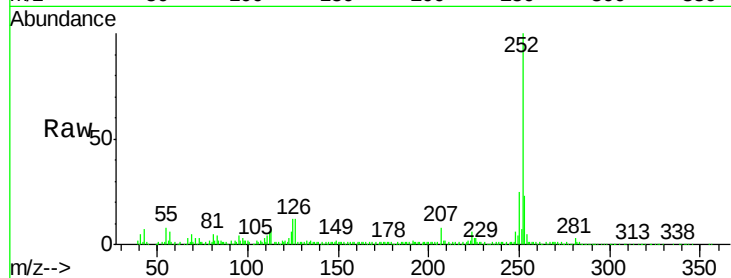




#89
Benzo(k)fluoranthene
Concen: 11.382 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120541.D
Acq: 4 Jun 2020 18:48

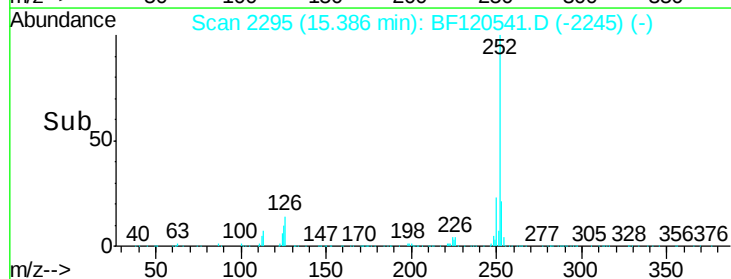
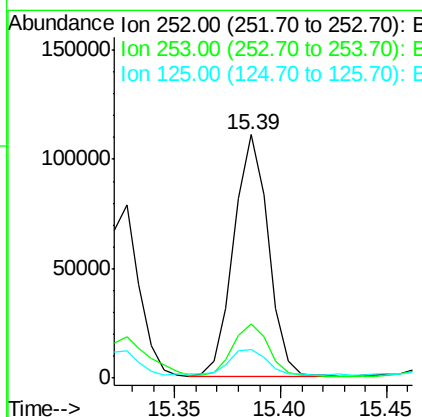
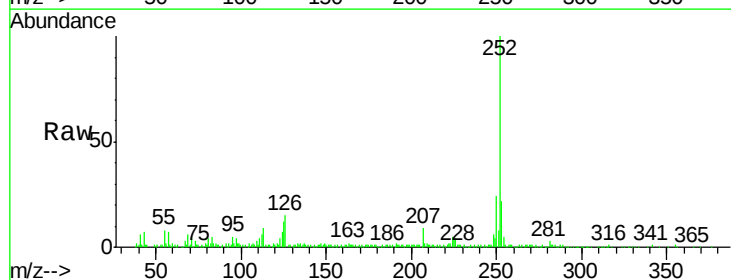
Instrument :
BNA_F
ClientSampleId :
NM102-COMP-2020-0-6

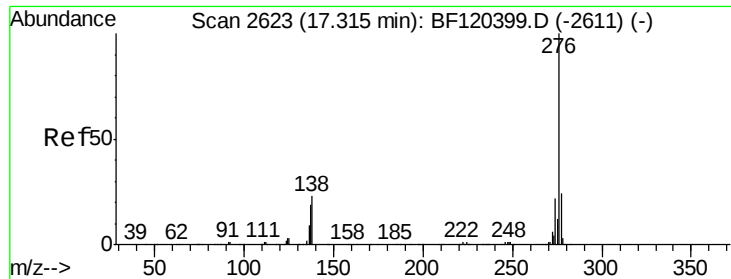
Tot Ion:252 Resp: 237968
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 11.8 8.6 13.0



#90
Benzo(a)pyrene
Concen: 6.412 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120541.D
Acq: 4 Jun 2020 18:48

Tgt Ion:252 Resp: 125606
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 11.5 9.6 14.4

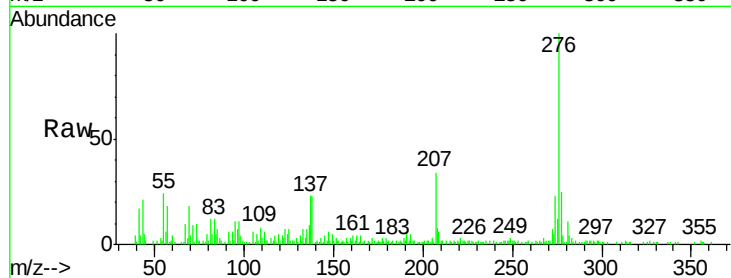




#92
 Benzo(a,h,i)perylene
 Concen: 3.582 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF120541.D
 Acq: 4 Jun 2020 18:48

Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.3	28.9
138	23.2	16.9	25.3



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

