

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120479.D
 Acq On : 1 Jun 2020 18:55
 Operator : JU/CG
 Sample : L2773-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM8-COMP-2020-0-6

Quant Time: Jun 01 23:44:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	234733	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	814073	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	362633	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	590348	20.00	ng	0.00
76) Chrysene-d12	14.00	240	500601	20.00	ng	0.00
86) Perylene-d12	15.46	264	427690	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1162640	94.39	ng	0.01
7) Phenol-d6	6.47	99	1433522	94.42	ng	0.00
23) Nitrobenzene-d5	7.40	82	902433	72.51	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	322443	95.97	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1583165	74.07	ng	0.00
79) Terphenyl-d14	12.95	244	1489394	66.21	ng	0.00

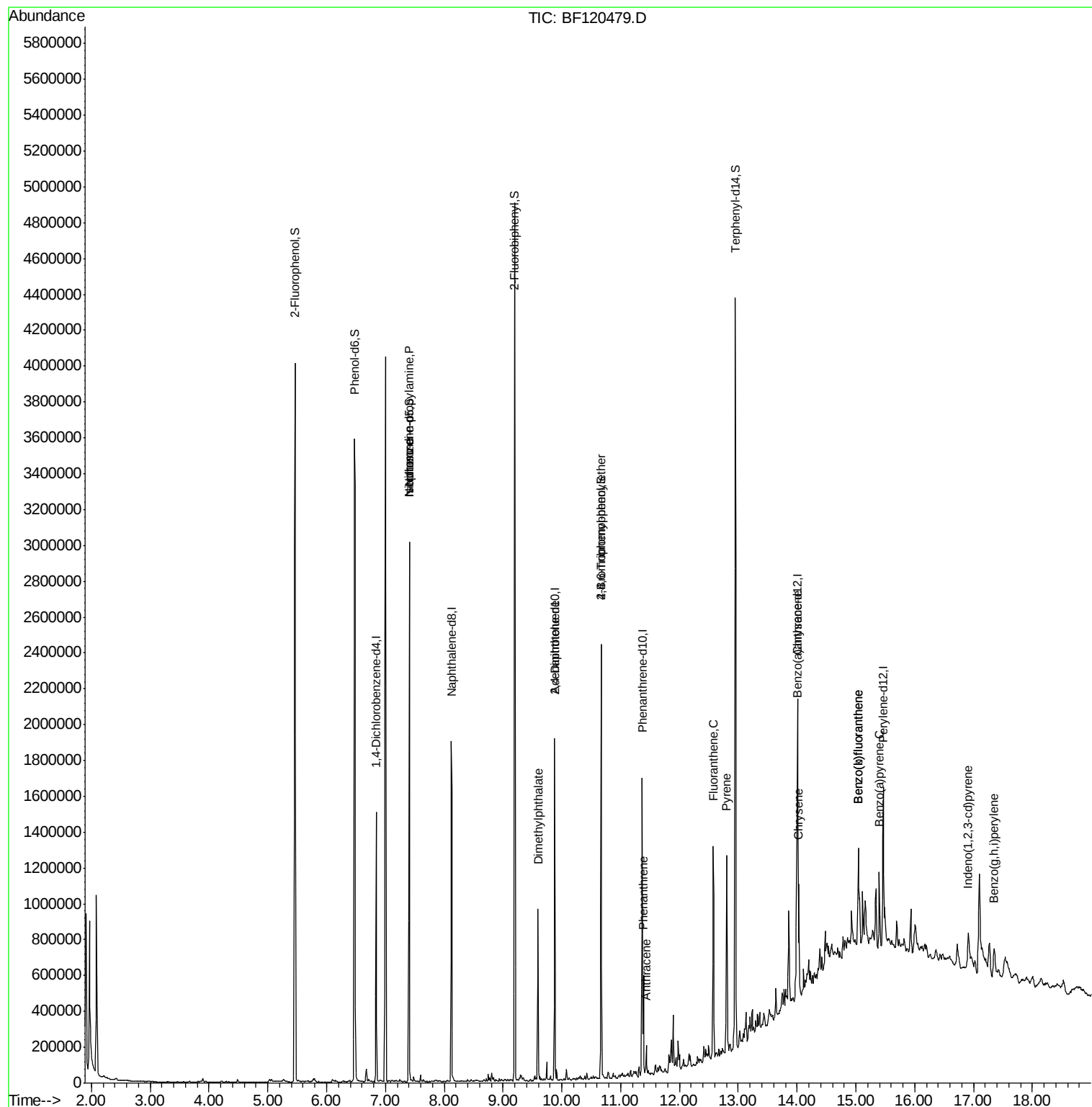
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	122298	12.673	ng	# 77
25) Isophorone	7.40	82	900460	36.000	ng	# 64
50) Dimethylphthalate	9.59	163	322039	14.205	ng	99
57) 2,4-Dinitrotoluene	9.88	165	46142	7.156	ng	# 22
67) 4-Bromophenyl-phenylether	10.67	248	18694	3.137	ng	# 1
71) Phenanthrene	11.39	178	177810	6.836	ng	98
72) Anthracene	11.44	178	57132	2.189	ng	96
75) Fluoranthene	12.57	202	462373	16.519	ng	98
78) Pyrene	12.80	202	454093	13.043	ng	99
81) Benzo(a)anthracene	13.99	228	274169	10.219	ng	96
83) Chrysene	14.03	228	250776	8.916	ng	96
87) Indeno(1,2,3-cd)pyrene	16.91	276	125149	5.350	ng	95
88) Benzo(b)fluoranthene	15.04	252	422860	17.801	ng	98
89) Benzo(k)fluoranthene	15.04	252	422860	19.068	ng	99
90) Benzo(a)pyrene	15.40	252	214835	10.339	ng	# 95
92) Benzo(g,h,i)perylene	17.35	276	121633	6.466	ng	99

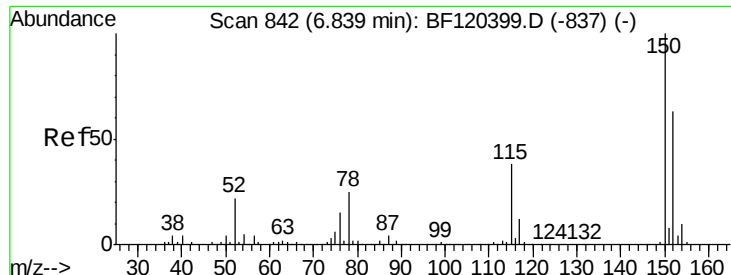
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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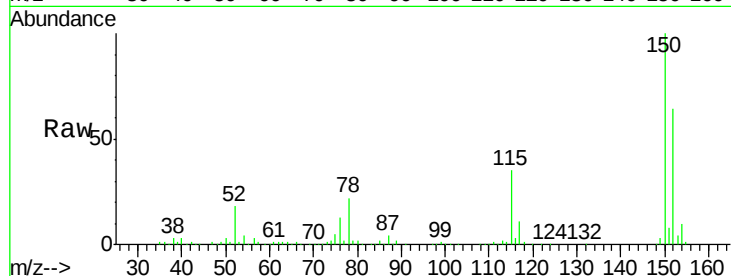


#1

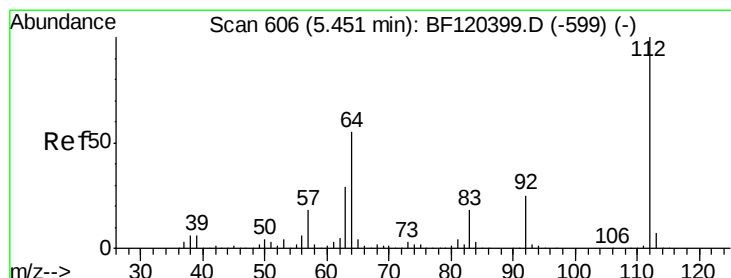
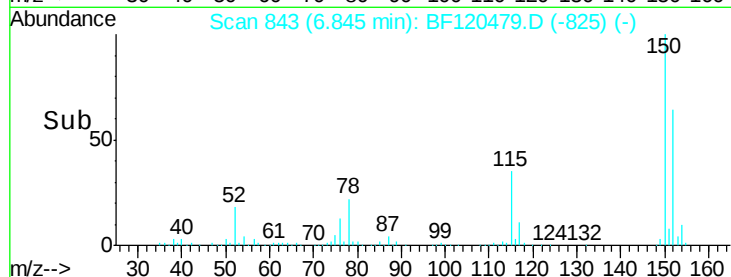
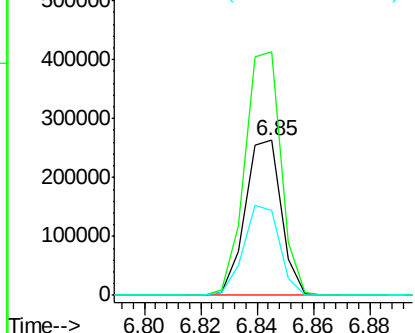
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 843
 Delta R.T. 0.01 min
 Lab File: BF120479.D
 Acq: 1 Jun 2020 18:55

Instrument :
 BNA_F
 ClientSampleId :
 NM8-COMP-2020-0-6

Tot Ion:152 Resp: 234733
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.5 189.7
 115 54.5 47.6 71.4



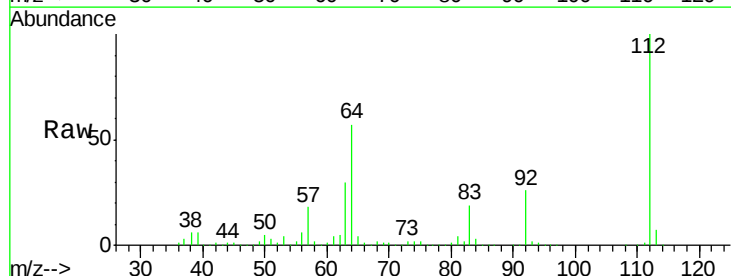
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



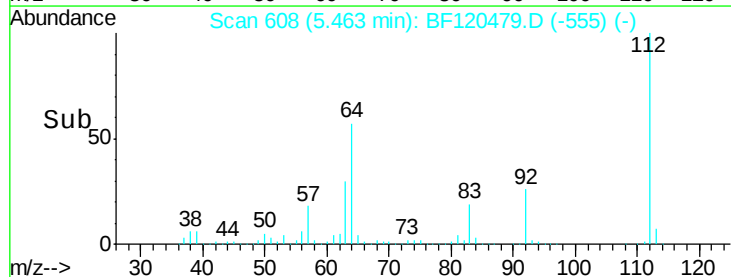
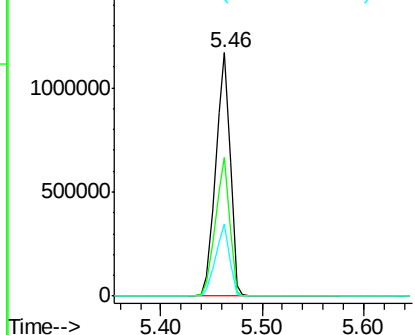
#5

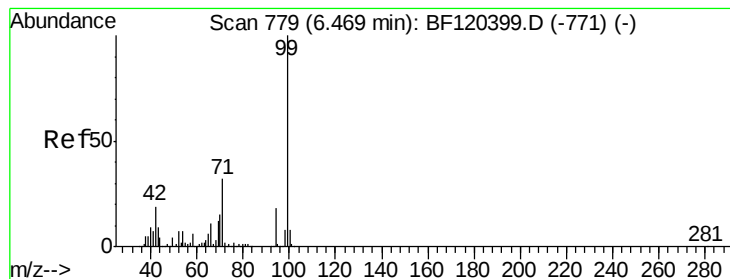
2-Fluorophenol
 Concen: 94.392 ng
 RT: 5.46 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF120479.D
 Acq: 1 Jun 2020 18:55

Tgt Ion:112 Resp: 1162640
 Ion Ratio Lower Upper
 112 100
 64 57.2 44.3 66.5
 63 29.8 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.424 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

Instrument :

BNA_F

ClientSampleId :

NM8-COMP-2020-0-6

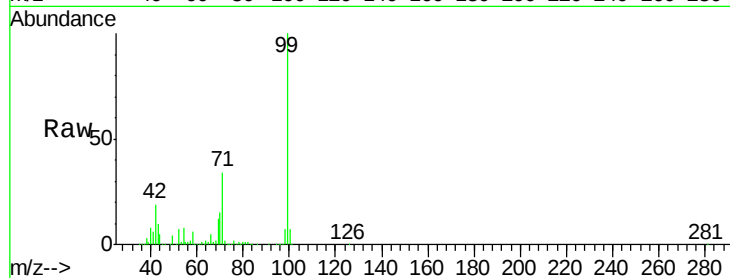
Tot Ion: 99 Resp: 1433522

Ion Ratio Lower Upper

99 100

42 19.2 15.2 22.8

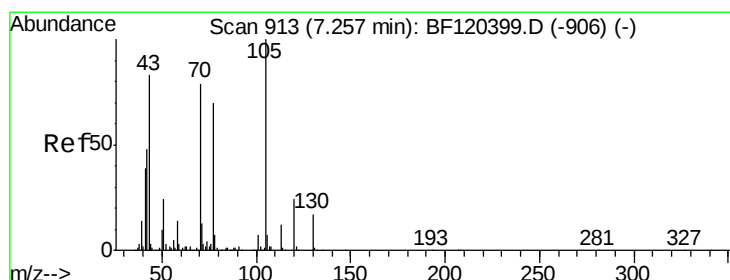
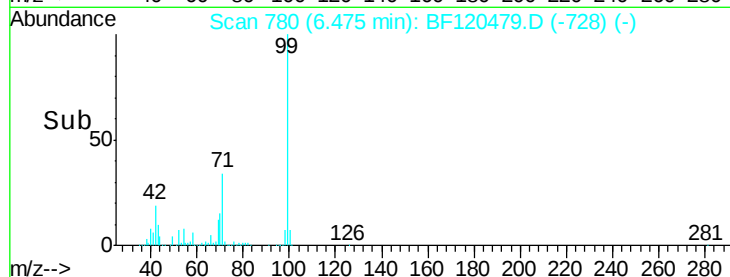
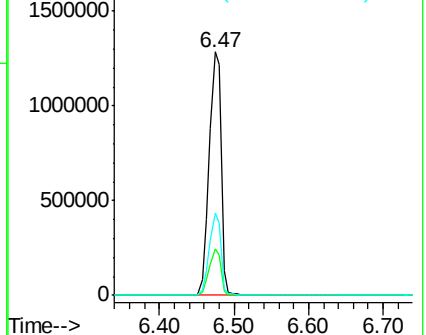
71 33.6 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.673 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

Tgt Ion: 70 Resp: 122298

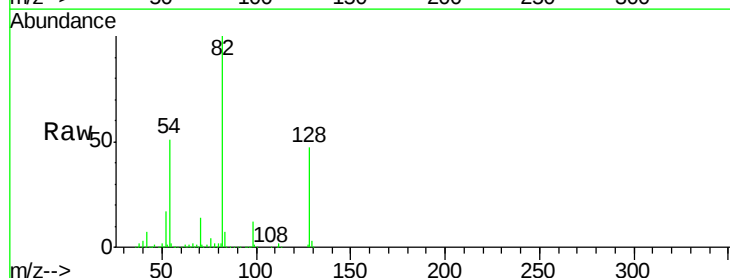
Ion Ratio Lower Upper

70 100

42 48.2 48.9 73.3#

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

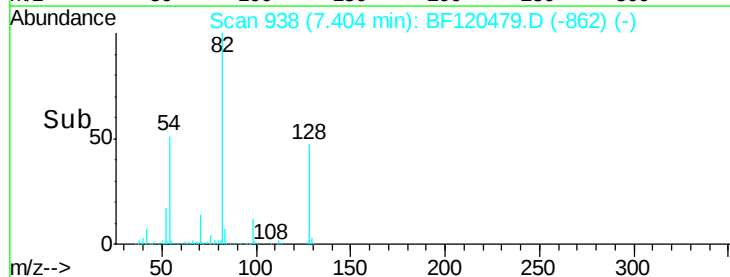
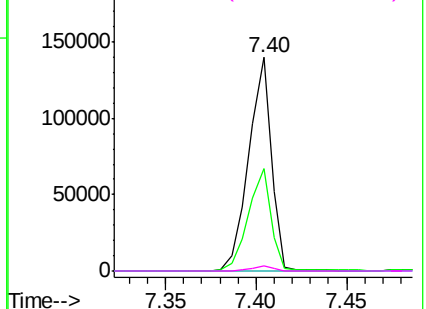


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120479.D

Acq: 1 Jun 2020 18:55

Instrument :

BNA_F

ClientSampleId :

NM8-COMP-2020-0-6

Tot Ion:136 Resp: 814073

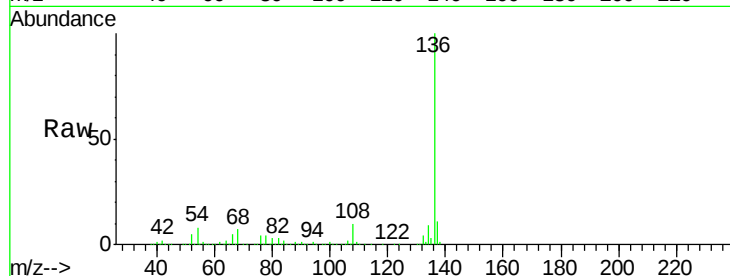
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.2 6.7 10.1

68 6.5 5.0 7.4

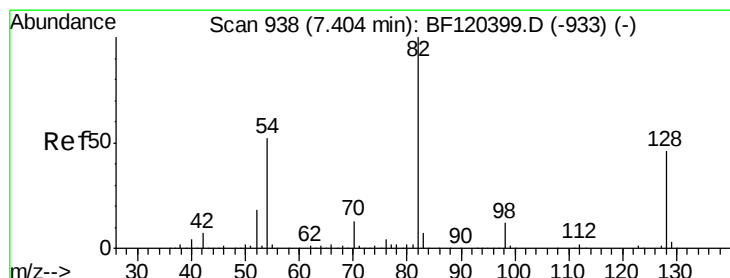
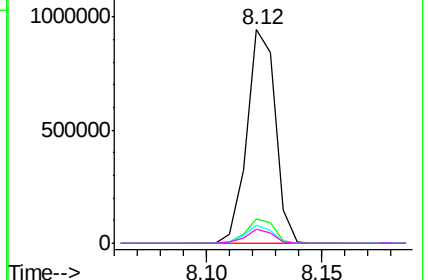
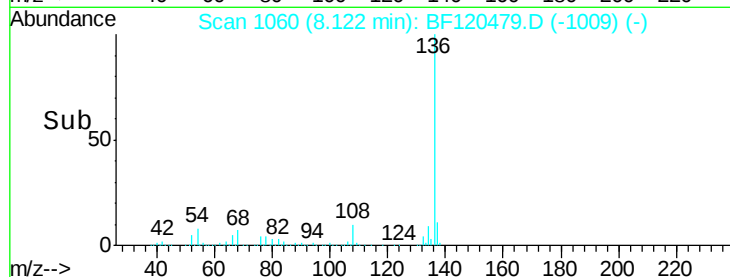


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.513 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

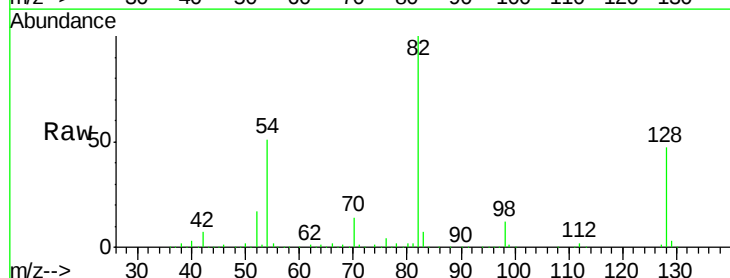
Tgt Ion: 82 Resp: 902433

Ion Ratio Lower Upper

82 100

128 47.3 36.8 55.2

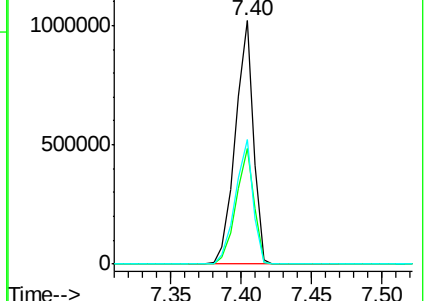
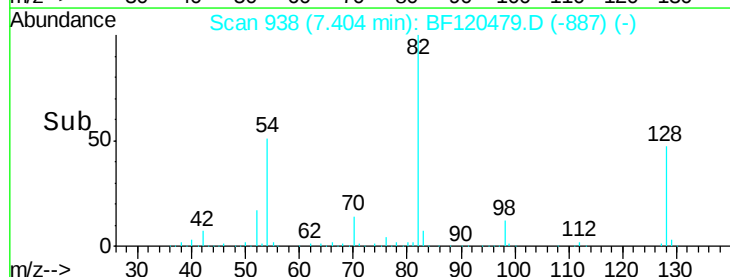
54 51.3 41.6 62.4



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: 36.000 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

Instrument :

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NM8-COMP-2020-0-6

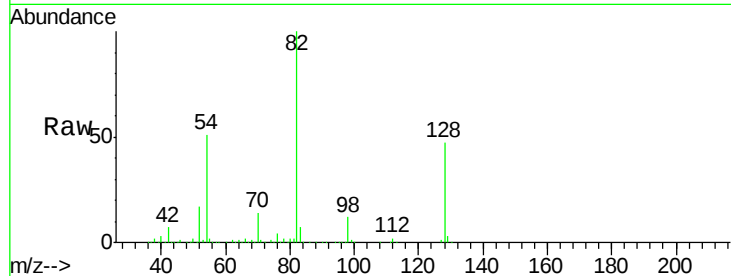
Tot Ion: 82 Resp: 900460

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

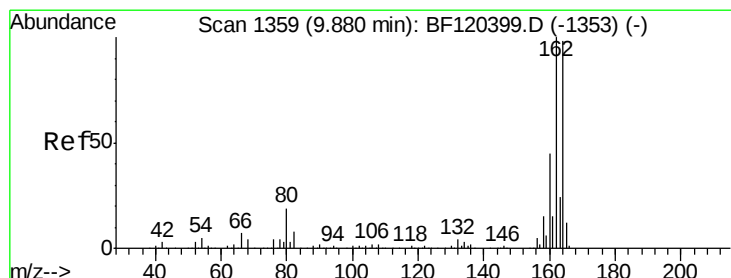
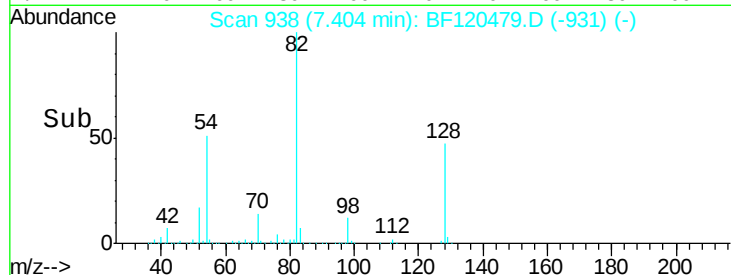
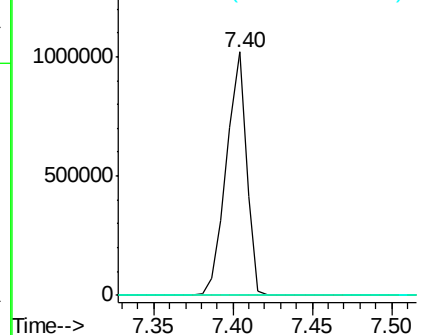
138 0.0 15.0 22.4#



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: 9.88 min Scan# 1359

Delta R.T. 0.01 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

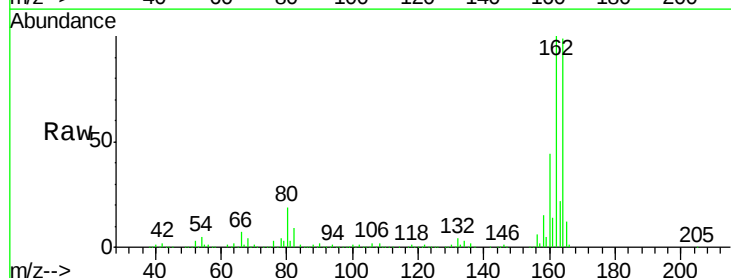
Tgt Ion:164 Resp: 362633

Ion Ratio Lower Upper

164 100

162 100.6 81.3 121.9

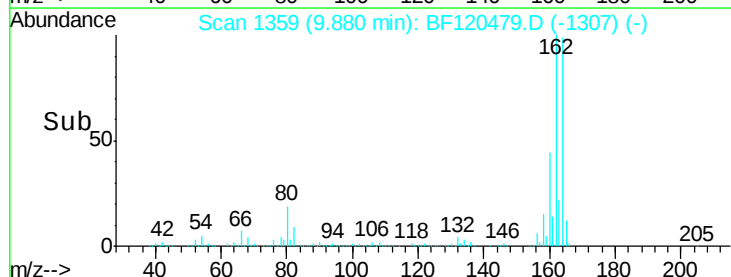
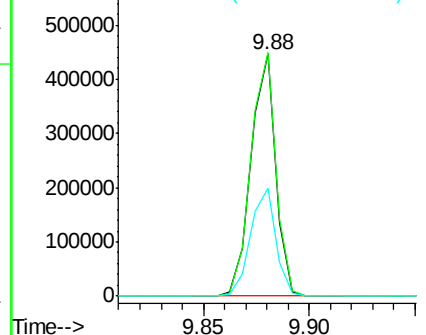
160 44.4 36.9 55.3

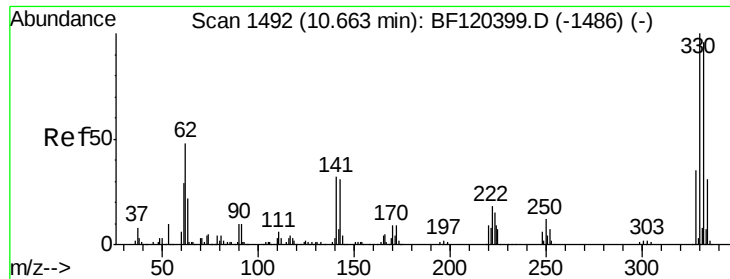


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

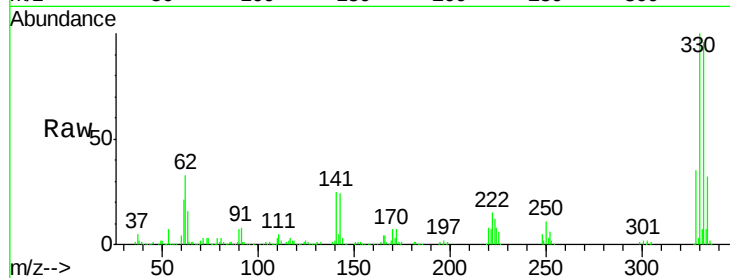




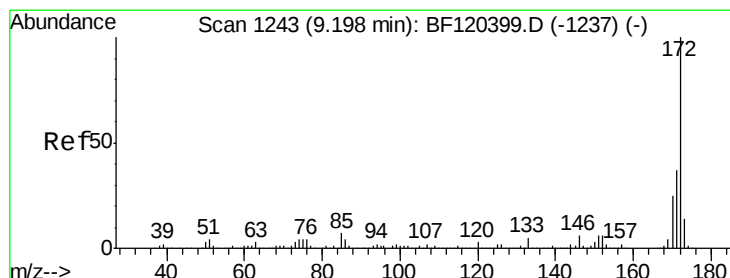
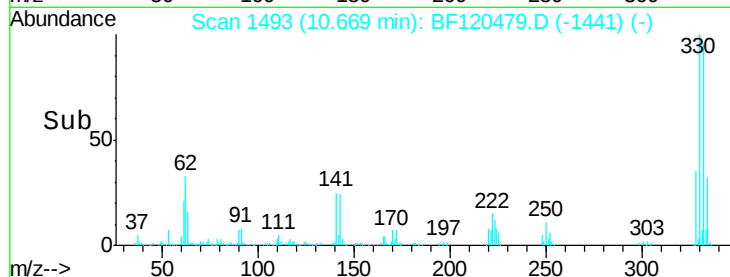
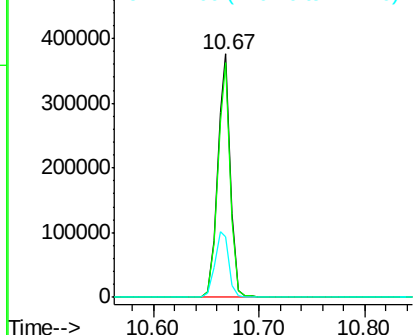
#42
 2,4,6-Tribromophenol
 Concen: 95.966 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120479.D
 Acq: 1 Jun 2020 18:55

Instrument :
 BNA_F
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 NM8-COMP-2020-0-6

Tot Ion:330 Resp: 322443
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 30.2 25.3 37.9

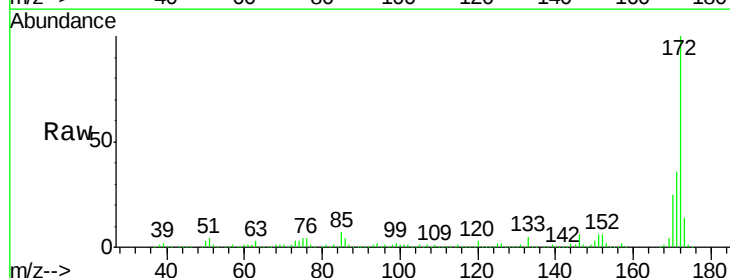


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

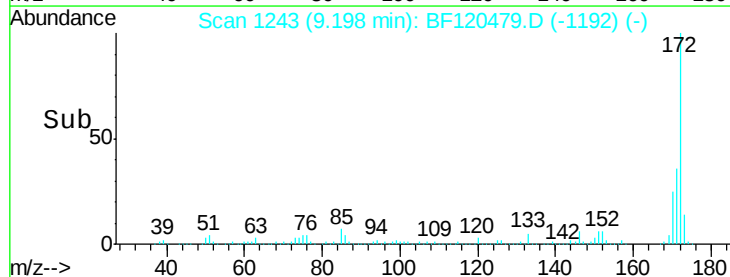
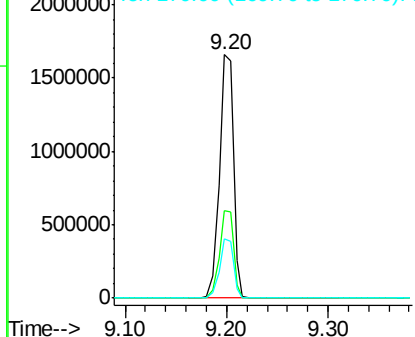


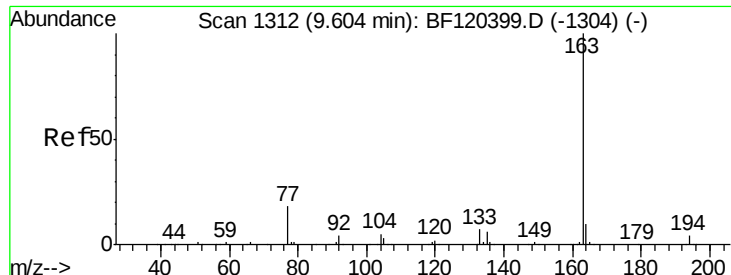
#45
 2-Fluorobiphenyl
 Concen: 74.073 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120479.D
 Acq: 1 Jun 2020 18:55

Tgt Ion:172 Resp: 1583165
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.5 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

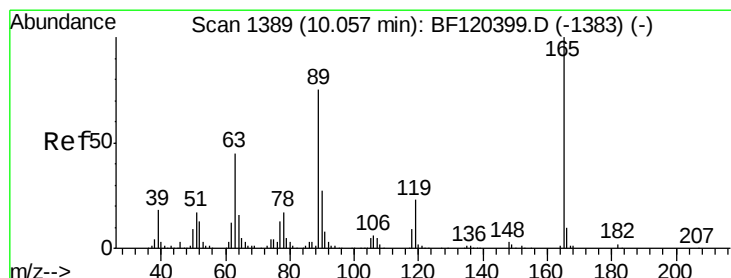
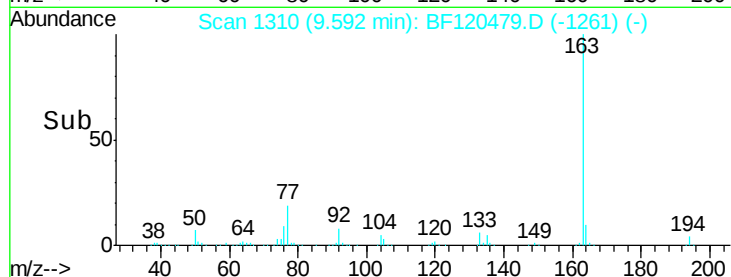
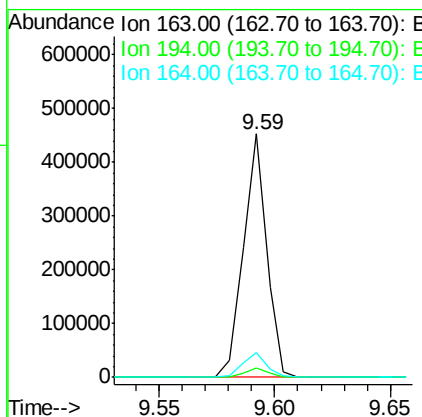
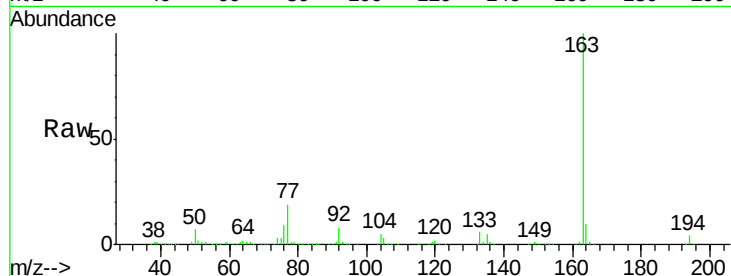




#50
Dimethylphthalate
Concen: 14.205 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

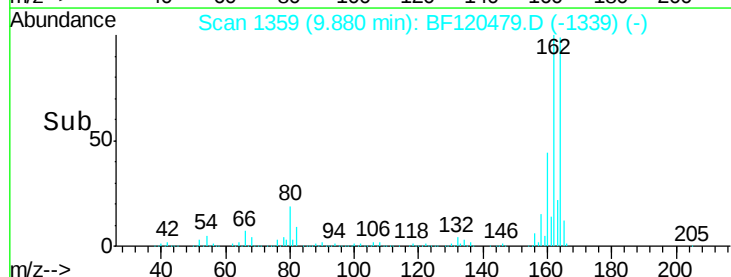
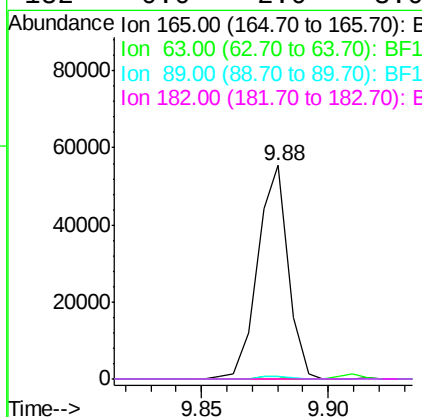
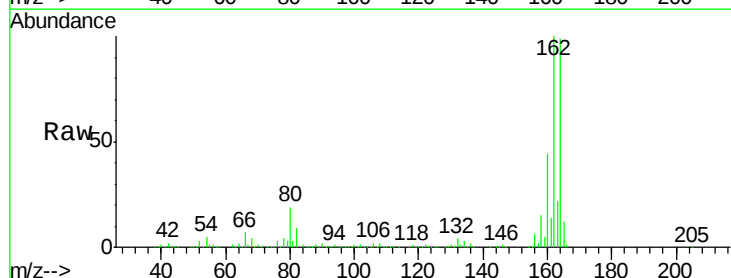
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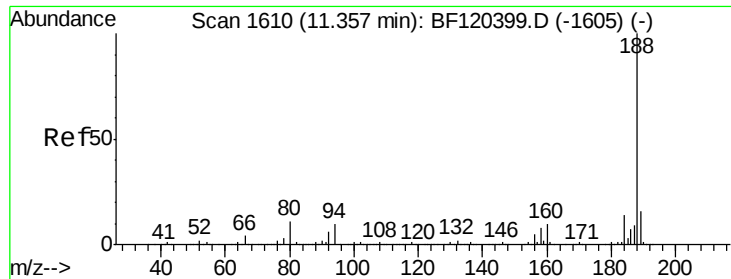
Tot Ion:163 Resp: 322039
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.0 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.156 ng
RT: 9.88 min Scan# 1359
Delta R.T. -0.18 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

Tgt Ion:165 Resp: 46142
Ion Ratio Lower Upper
165 100
63 1.2 35.9 53.9#
89 1.3 60.0 90.0#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

Instrument :

BNA_F

ClientSampleId :

NM8-COMP-2020-0-6

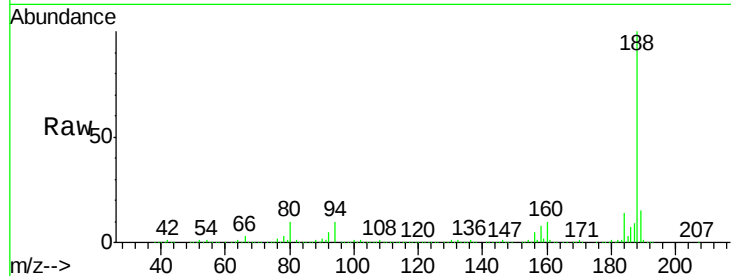
Tot Ion:188 Resp: 590348

Ion Ratio Lower Upper

188 100

94 10.1 7.9 11.9

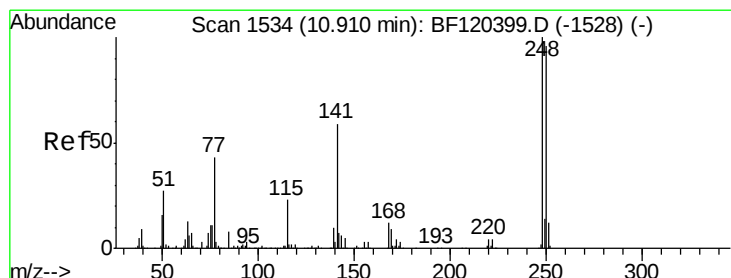
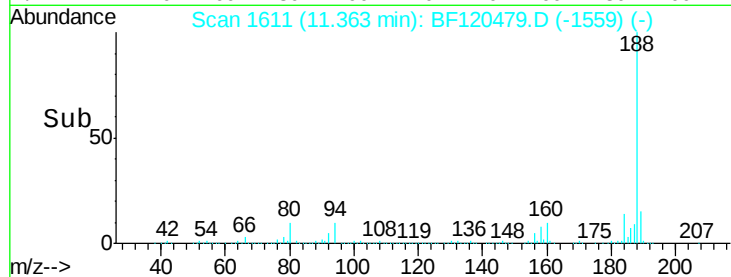
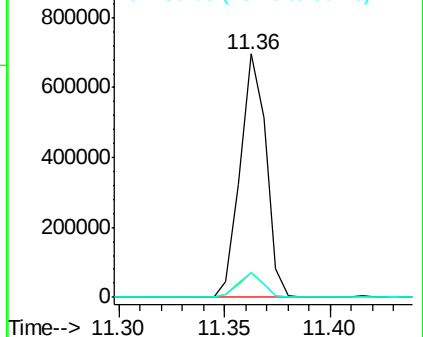
80 10.2 8.6 13.0



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: 3.137 ng

RT: 10.67 min Scan# 1493

Delta R.T. -0.24 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

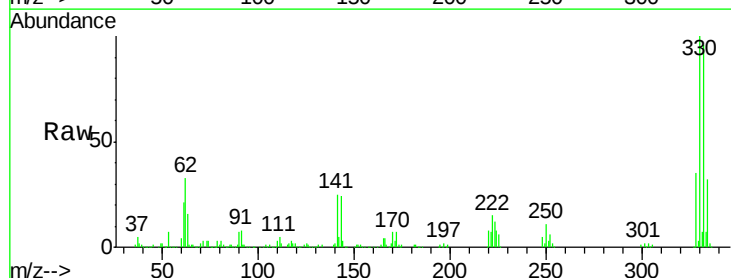
Tgt Ion:248 Resp: 18694

Ion Ratio Lower Upper

248 100

250 207.3 76.5 114.7#

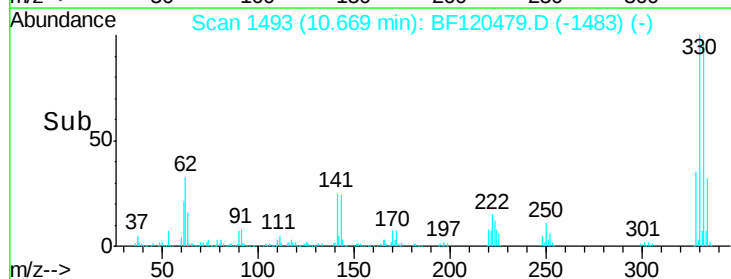
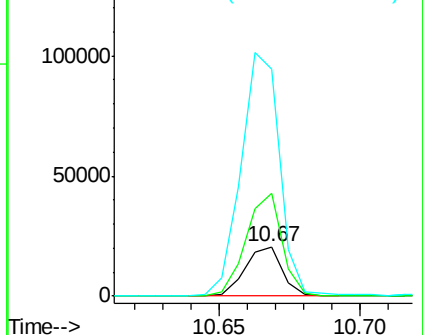
141 459.0 47.2 70.8#

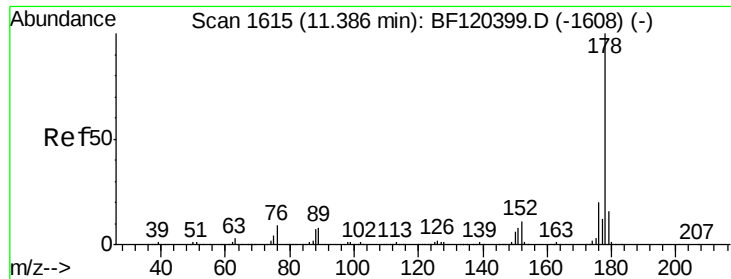


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

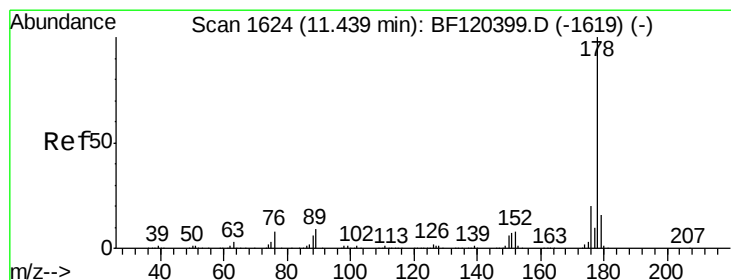
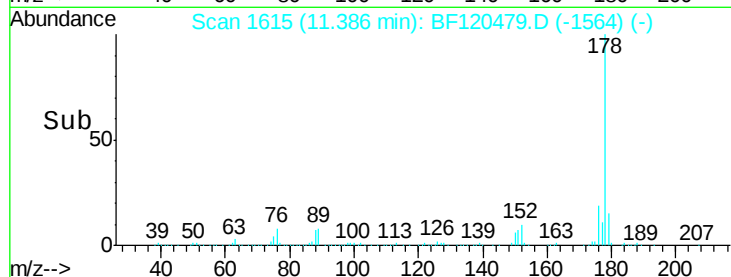
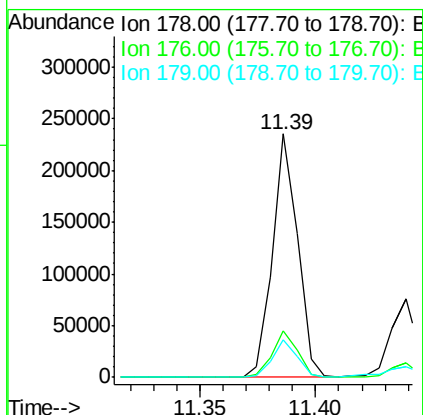
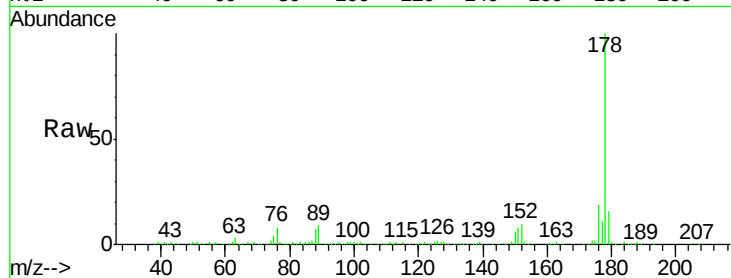




#71
Phenanthrene
Concen: 6.836 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

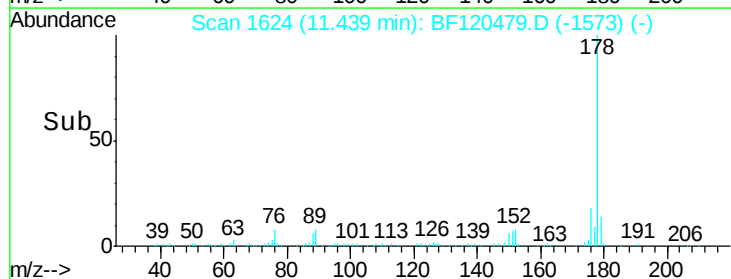
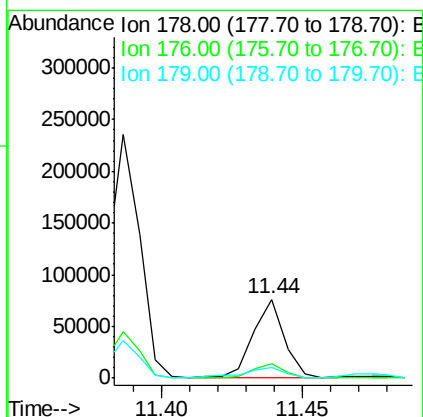
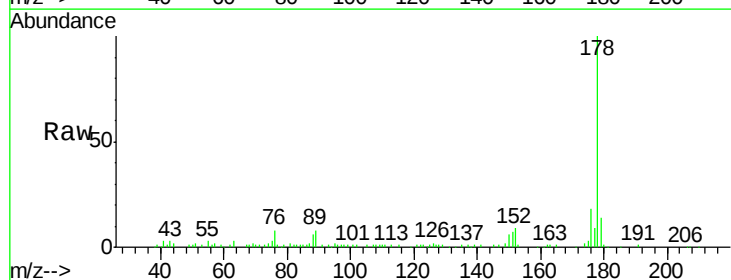
Instrument :
BNA_F
ClientSampleId :
NM8-COMP-2020-0-6

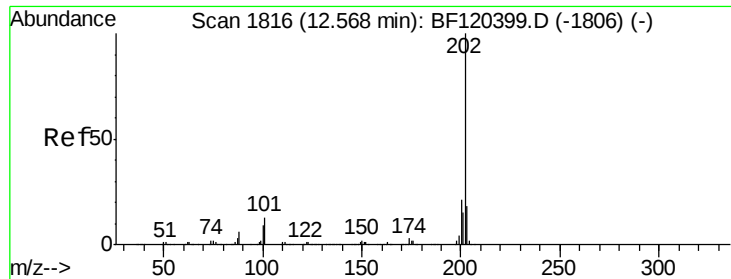
Tot Ion:178 Resp: 177810
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 15.6 13.0 19.4



#72
Anthracene
Concen: 2.189 ng
RT: 11.44 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

Tgt Ion:178 Resp: 57132
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 14.3 12.8 19.2





#75

Fluoranthene

Concen: 16.519 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

Instrument :

BNA_F

ClientSampleId :

NM8-COMP-2020-0-6

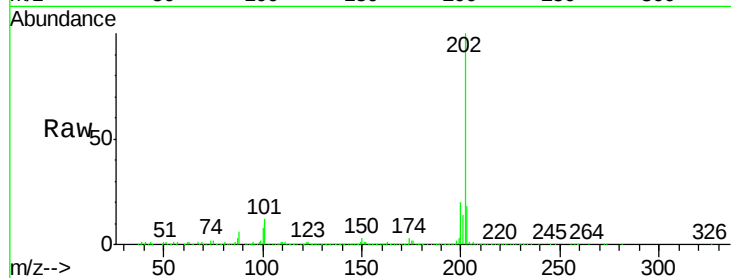
Tot Ion:202 Resp: 462373

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.6

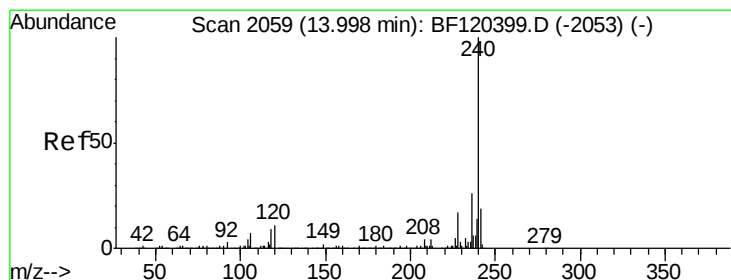
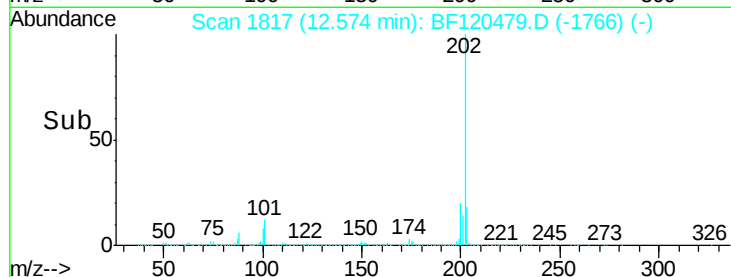
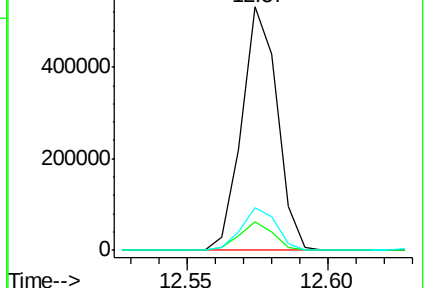
203 17.6 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2060

Delta R.T. 0.01 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

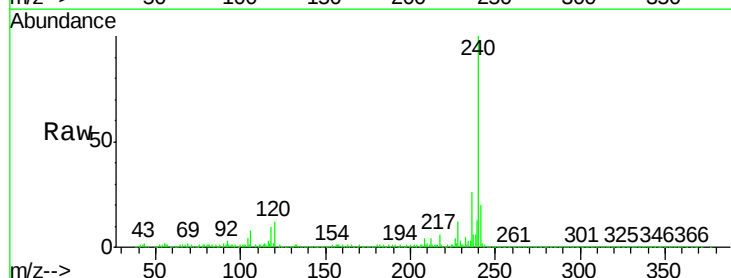
Tgt Ion:240 Resp: 500601

Ion Ratio Lower Upper

240 100

120 11.6 8.8 13.2

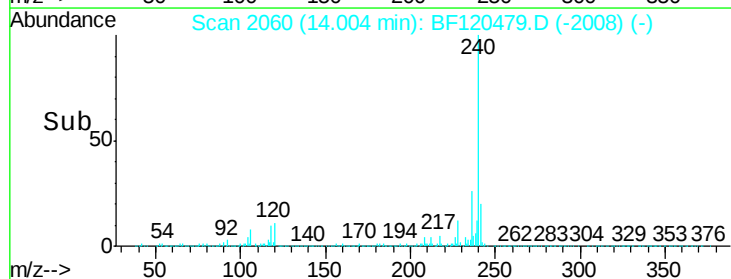
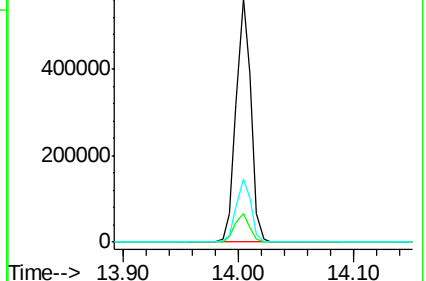
236 26.1 21.0 31.4

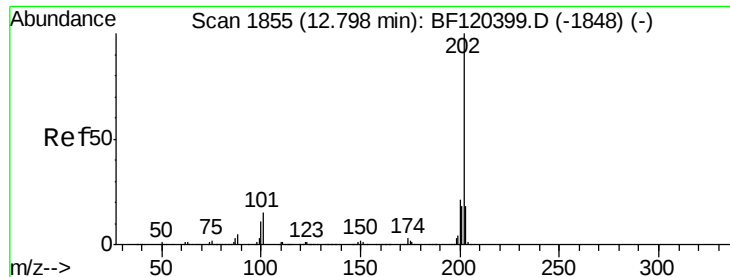


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

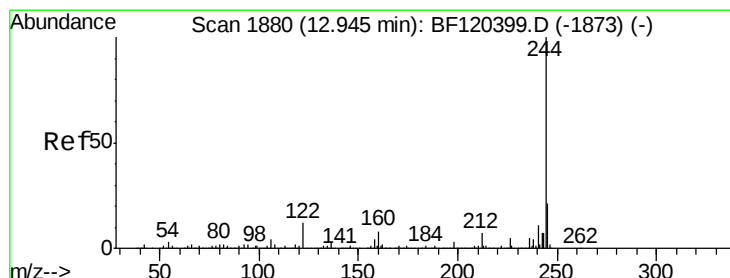
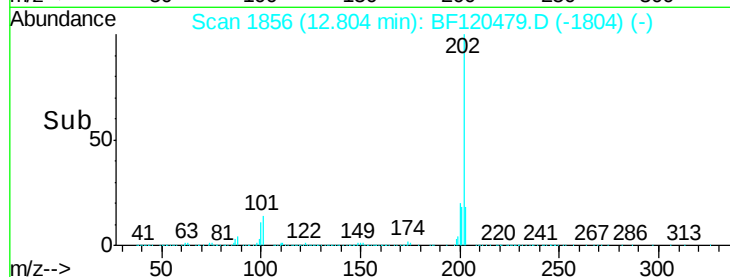
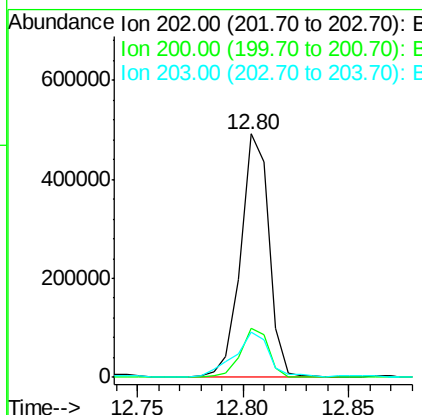
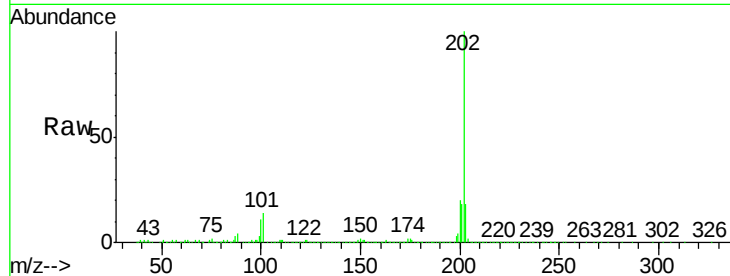




#78
Pvrene
Concen: 13.043 ng
RT: 12.80 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

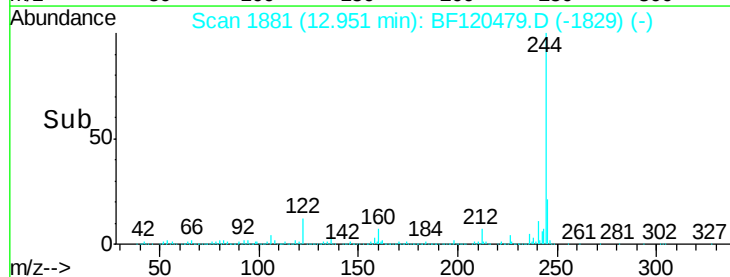
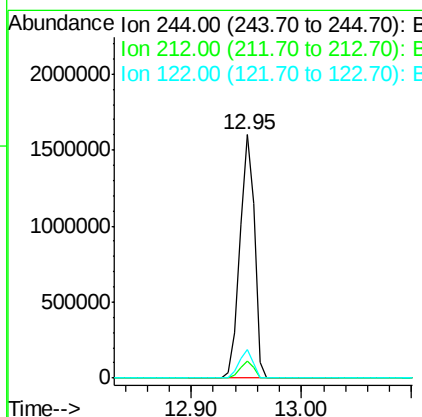
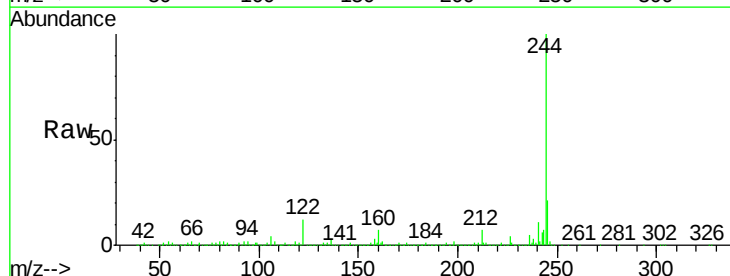
Instrument :
BNA_F
ClientSampleId :
NM8-COMP-2020-0-6

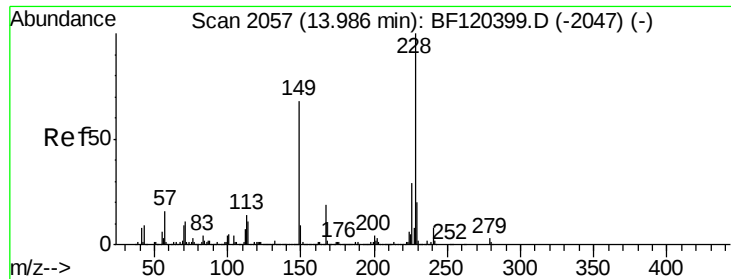
Tot Ion:202 Resp: 454093
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 18.5 14.7 22.1



#79
Terphenyl-d14
Concen: 66.206 ng
RT: 12.95 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

Tgt Ion:244 Resp: 1489394
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 11.5 9.2 13.8





#81

Benzo(a)anthracene

Concen: 10.219 ng

RT: 13.99 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

Instrument :

BNA_F

ClientSampleId :

NM8-COMP-2020-0-6

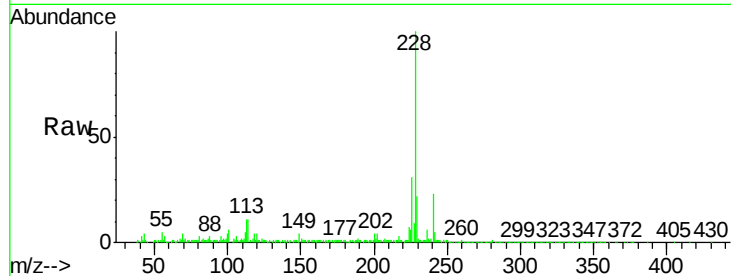
Tot Ion:228 Resp: 274169

Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.4

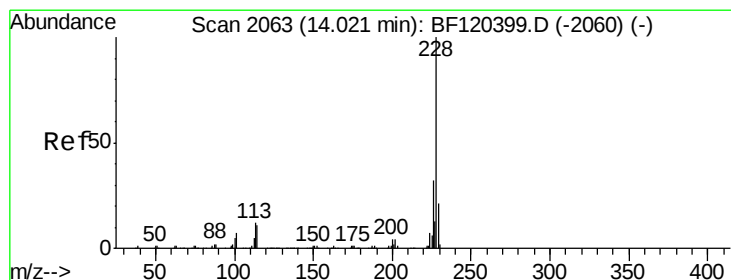
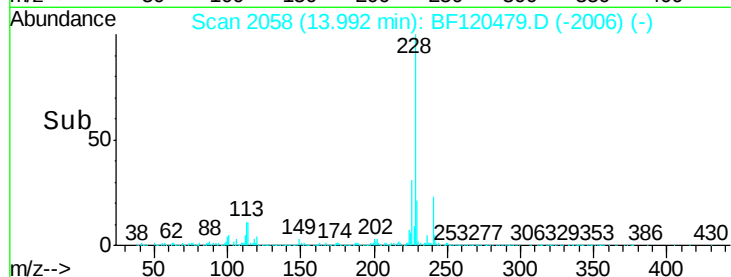
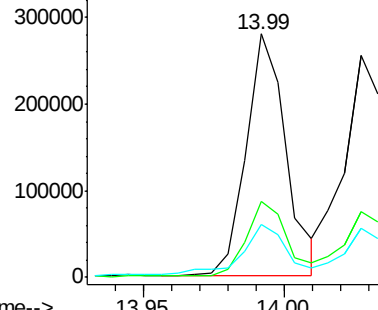
229 21.7 16.2 24.4



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: 8.916 ng

RT: 14.03 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

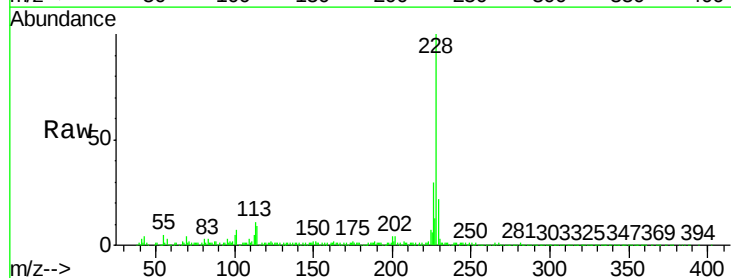
Tgt Ion:228 Resp: 250776

Ion Ratio Lower Upper

228 100

226 29.9 25.6 38.4

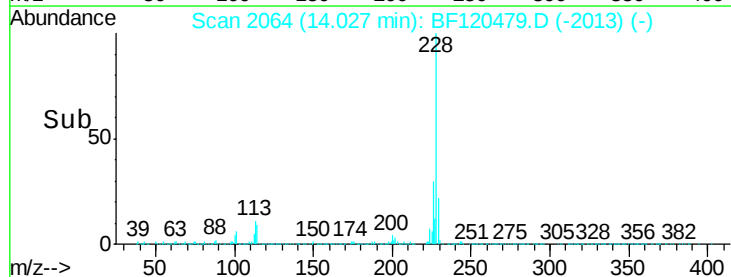
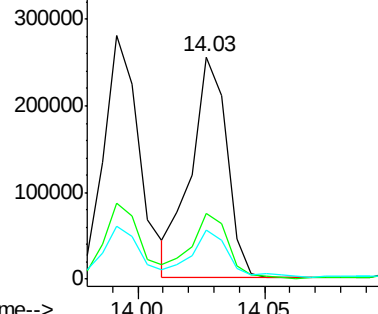
229 22.2 16.6 25.0

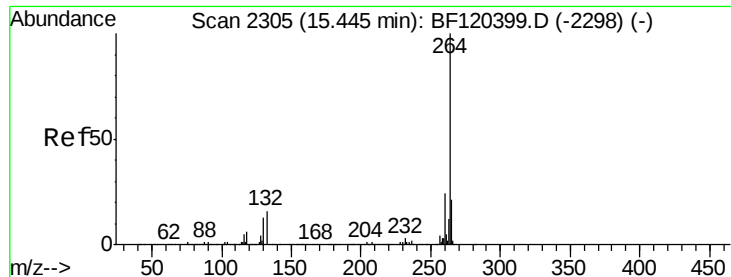


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

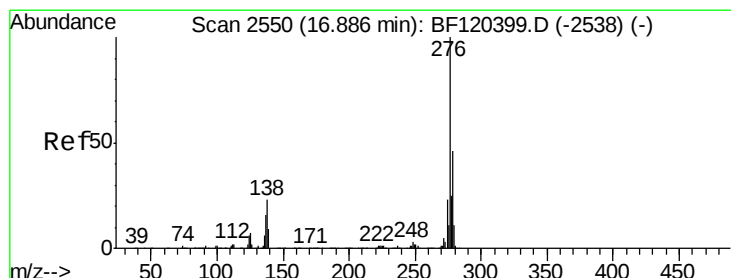
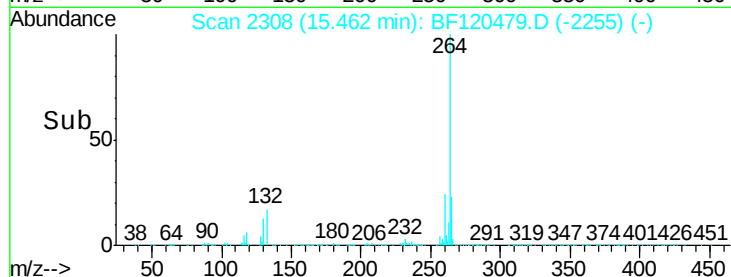
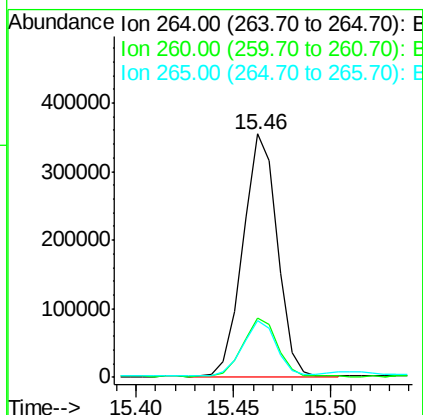
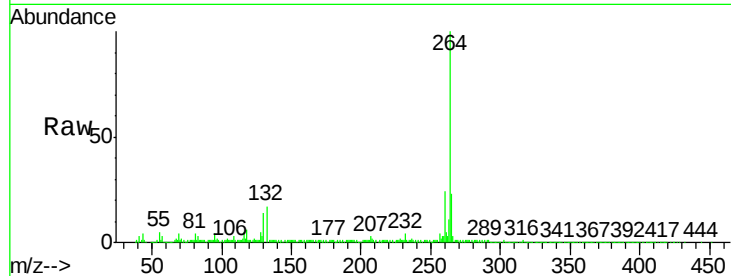




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

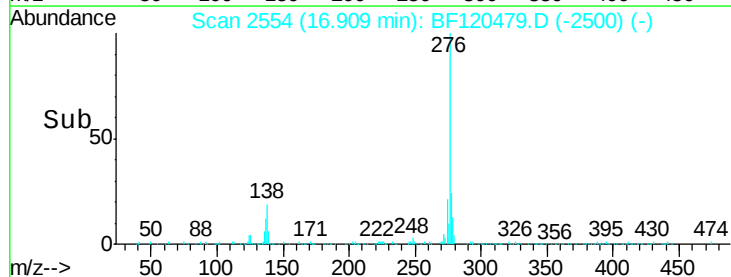
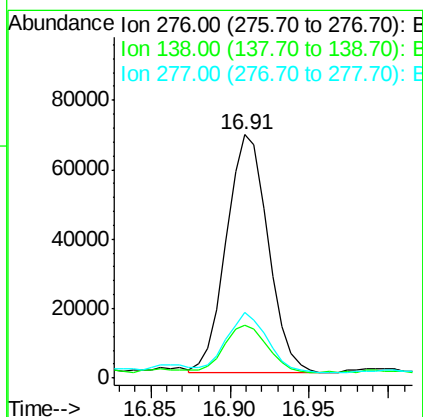
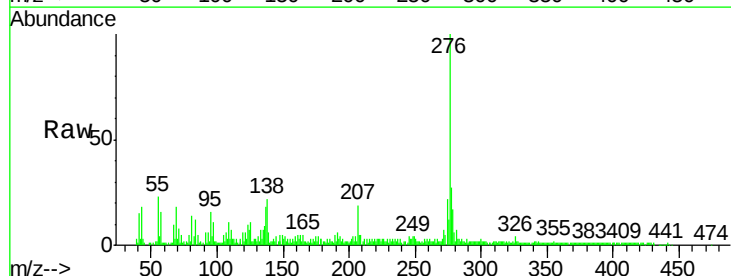
Instrument :
BNA_F
ClientSampleId :
NM8-COMP-2020-0-6

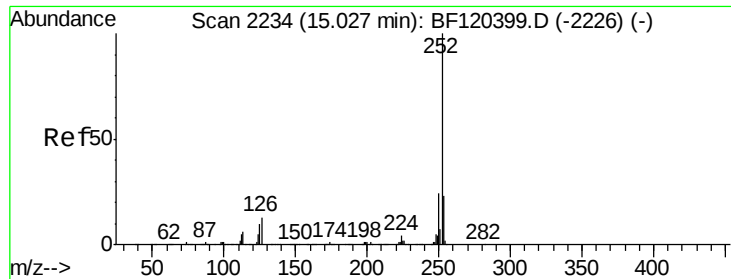
Tot Ion:264 Resp: 427690
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 23.1 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.350 ng
RT: 16.91 min Scan# 2554
Delta R.T. 0.02 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

Tgt Ion:276 Resp: 125149
Ion Ratio Lower Upper
276 100
138 20.9 20.4 30.6
277 24.6 20.4 30.6

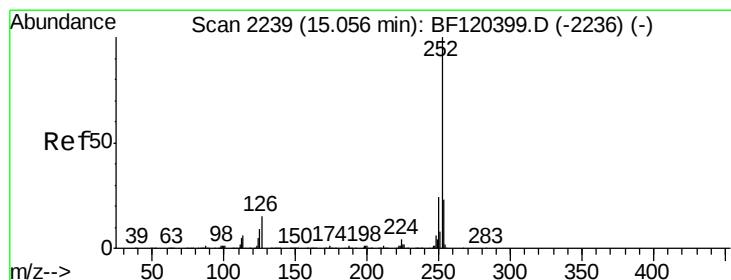
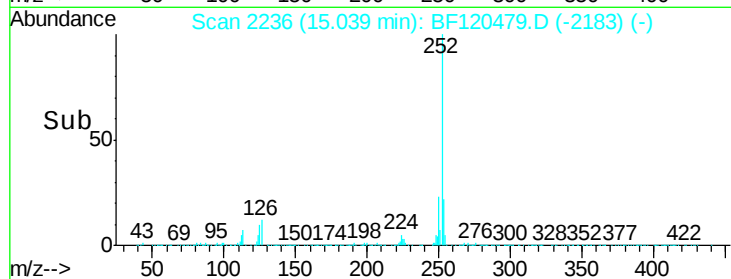
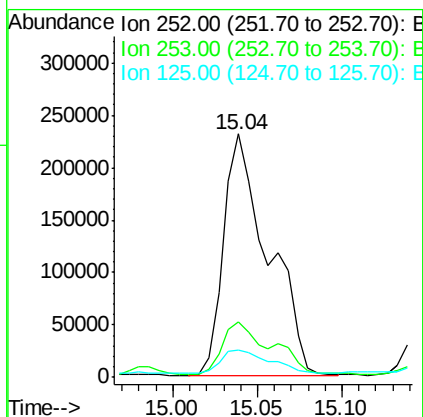
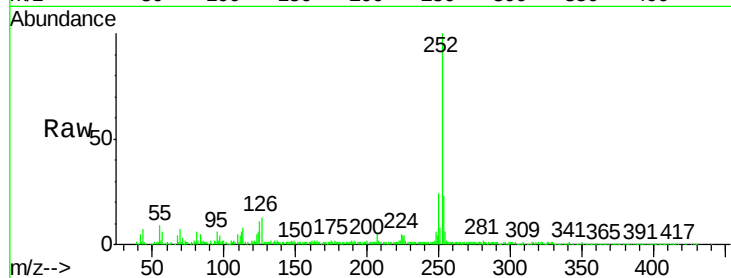




#88
Benzo(b)fluoranthene
Concen: 17.801 ng
RT: 15.04 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

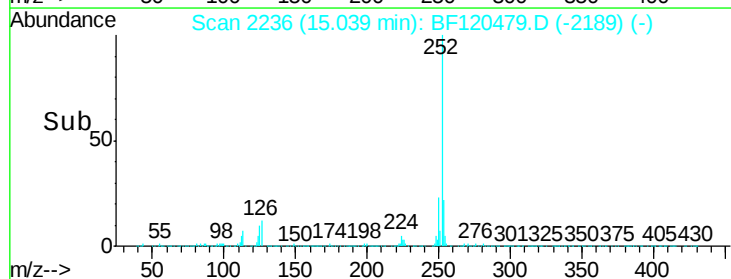
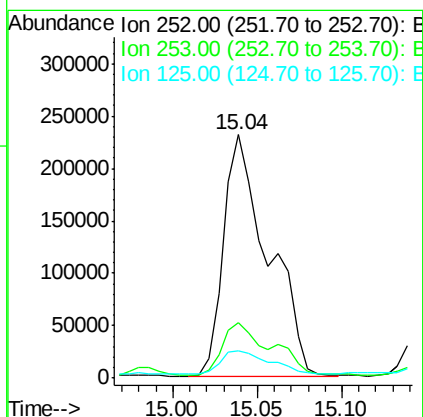
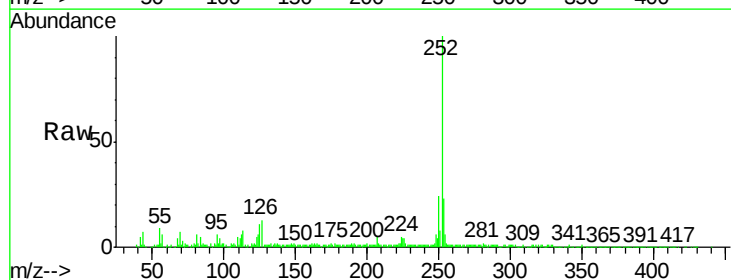
Instrument :
BNA_F
ClientSampleId :
NM8-COMP-2020-0-6

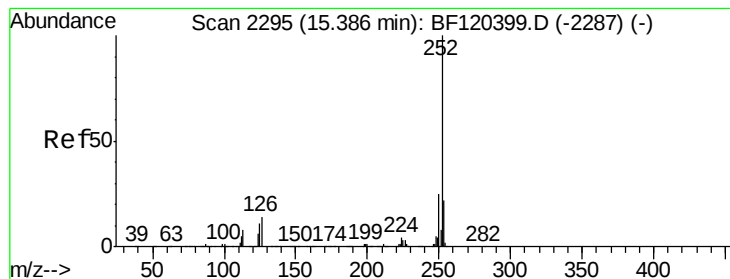
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.3	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 19.068 ng
RT: 15.04 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF120479.D
Acq: 1 Jun 2020 18:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	11.3	8.0	12.0





#90

Benzo(a)pyrene

Concen: 10.339 ng

RT: 15.40 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

Instrument :

BNA_F

ClientSampleId :

NM8-COMP-2020-0-6

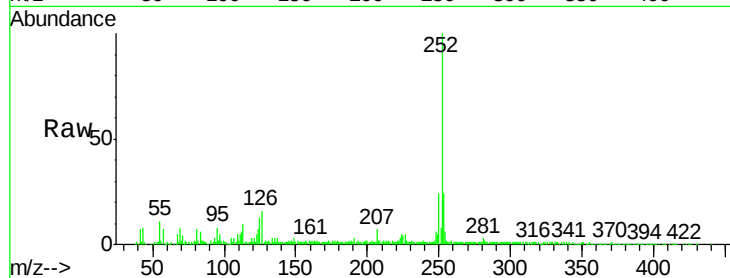
Tot Ion:252 Resp: 214835

Ion Ratio Lower Upper

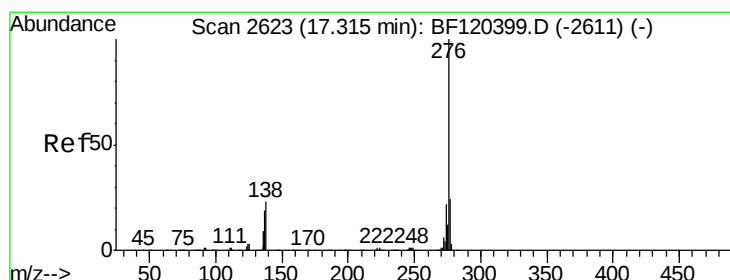
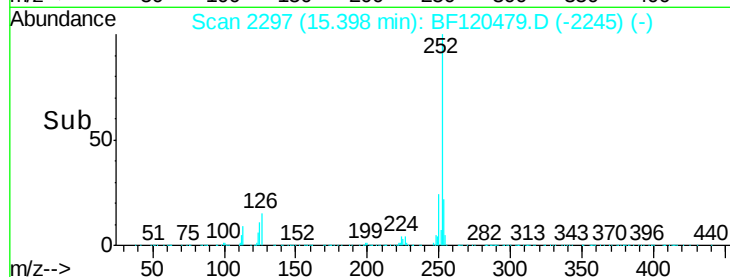
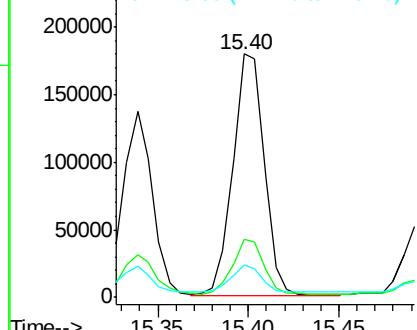
252 100

253 24.0 17.4 26.0

125 13.1 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: 6.466 ng

RT: 17.35 min Scan# 2629

Delta R.T. 0.02 min

Lab File: BF120479.D

Acq: 1 Jun 2020 18:55

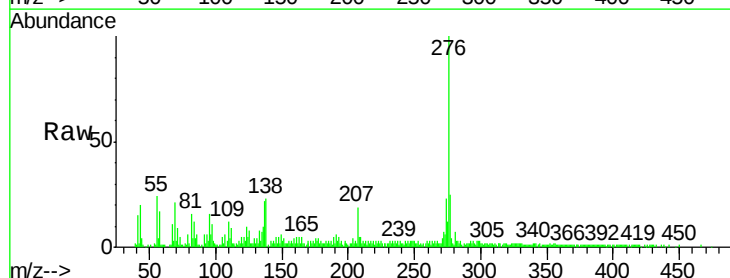
Tgt Ion:276 Resp: 121633

Ion Ratio Lower Upper

276 100

277 25.4 19.5 29.3

138 22.6 18.1 27.1



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

