

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120474.D
 Acq On : 1 Jun 2020 16:39
 Operator : JU/CG
 Sample : L2773-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM74-COMP-2020-0-6

Quant Time: Jun 01 18:46:56 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	6.84	152	248692	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	903722	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	453850	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	777283	20.00	ng	0.00
76) Chrysene-d12	14.00	240	537466	20.00	ng	0.00
86) Perylene-d12	15.46	264	541637	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1132559	86.79	ng	0.00
7) Phenol-d6	6.47	99	1485126	92.33	ng	0.00
23) Nitrobenzene-d5	7.40	82	983070	71.16	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	428433	101.88	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1813451	67.79	ng	0.00
79) Terphenyl-d14	12.95	244	1714076	70.97	ng	0.00

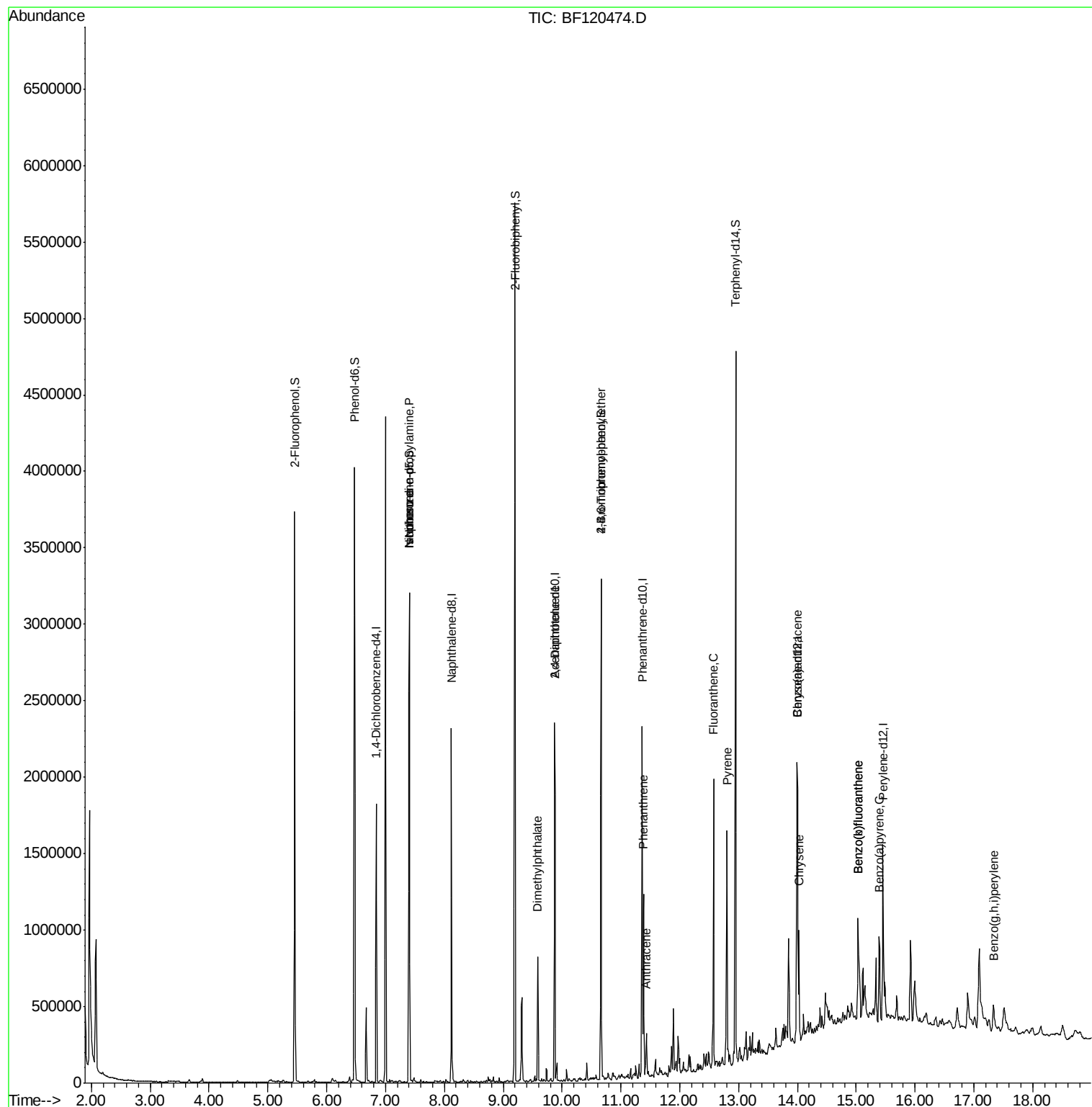
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	130715	12.785	ng	# 77
25) Isophorone	7.40	82	981231	35.337	ng	# 64
50) Dimethylphthalate	9.59	163	328769	11.587	ng	99
57) 2,4-Dinitrotoluene	9.87	165	59008	7.312	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	24502	3.123	ng	# 1
71) Phenanthrene	11.39	178	412150	12.034	ng	97
72) Anthracene	11.43	178	102387	2.979	ng	99
75) Fluoranthene	12.57	202	681971	18.505	ng	98
78) Pyrene	12.80	202	614890	16.451	ng	98
81) Benzo(a)anthracene	13.99	228	310295	10.772	ng	97
83) Chrysene	14.03	228	292806	9.696	ng	97
88) Benzo(b)fluoranthene	15.03	252	510679	16.975	ng	99
89) Benzo(k)fluoranthene	15.03	252	510679	18.183	ng	98
90) Benzo(a)pyrene	15.39	252	268070	10.187	ng	96
92) Benzo(a,h,i)perylene	17.33	276	148138	6.219	ng	98

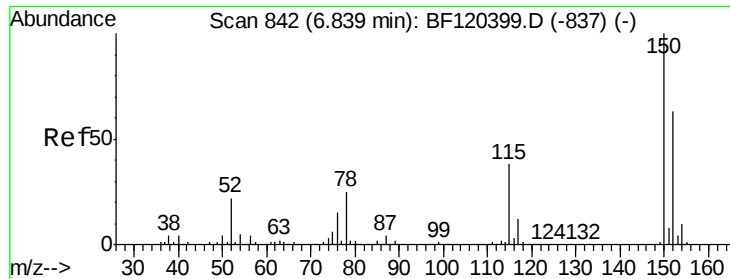
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF120474.D

Acq: 1 Jun 2020 16:39

Instrument :

BNA_F

ClientSampleId :

NM74-COMP-2020-0-6

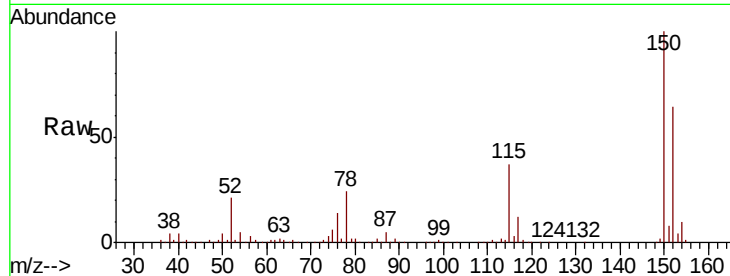
Tot Ion:152 Resp: 248692

Ion Ratio Lower Upper

152 100

150 156.2 126.5 189.7

115 58.6 47.6 71.4

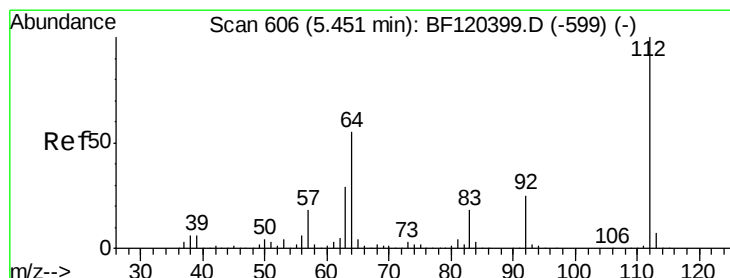
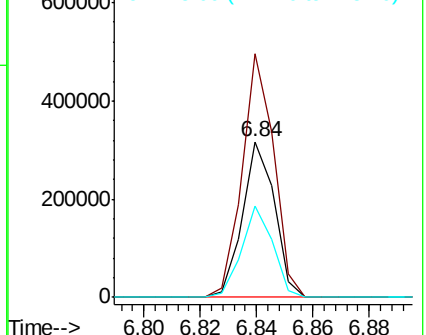
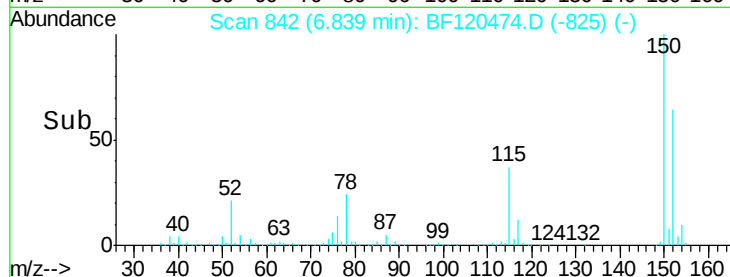


Abundance

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: 86.789 ng

RT: 5.46 min Scan# 607

Delta R.T. 0.01 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

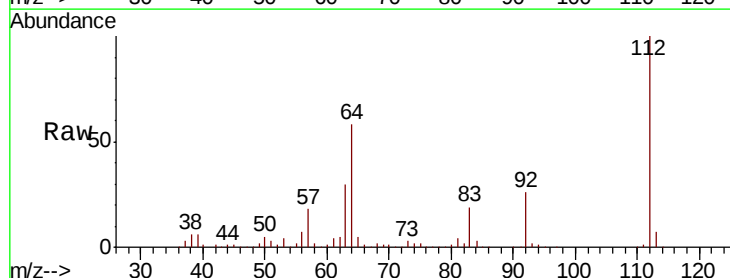
Tgt Ion:112 Resp: 1132559

Ion Ratio Lower Upper

112 100

64 58.0 44.3 66.5

63 29.5 22.9 34.3

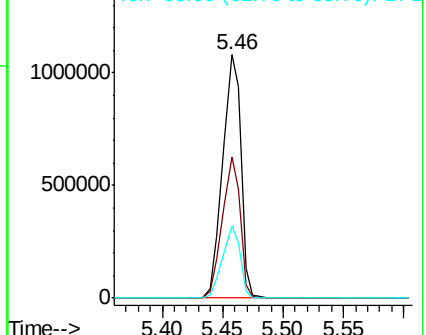
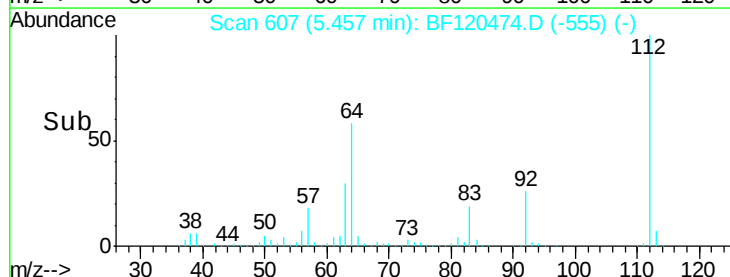


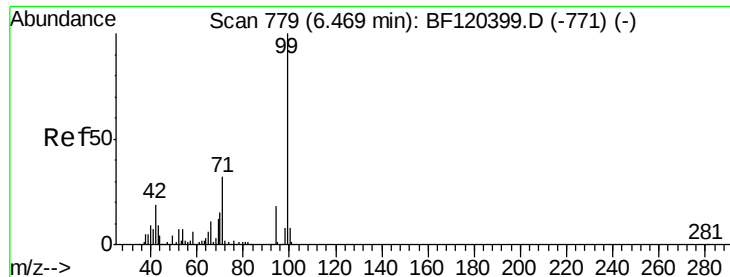
Abundance

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: 92.333 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

Instrument :

BNA_F

ClientSampleId :

NM74-COMP-2020-0-6

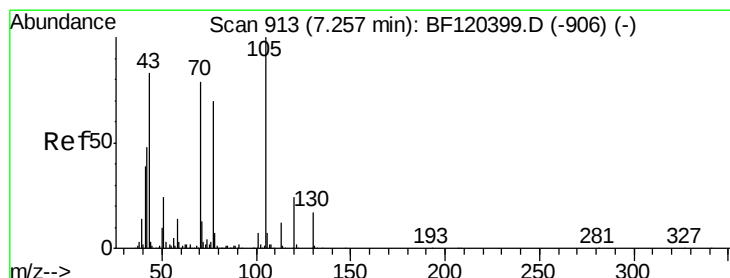
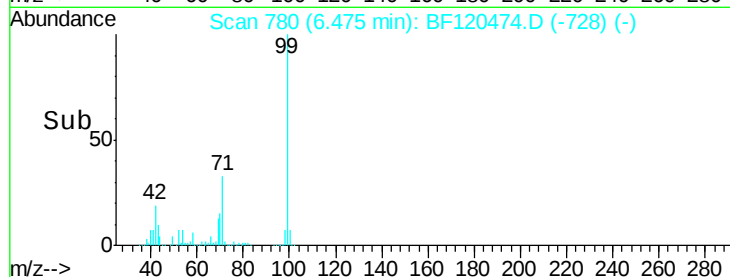
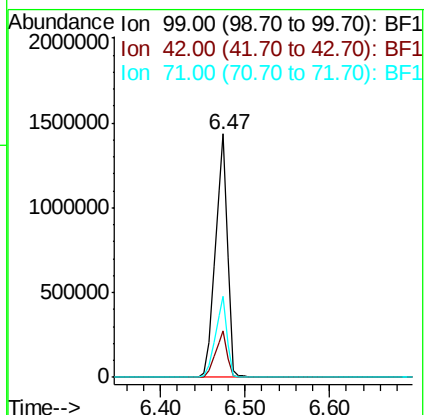
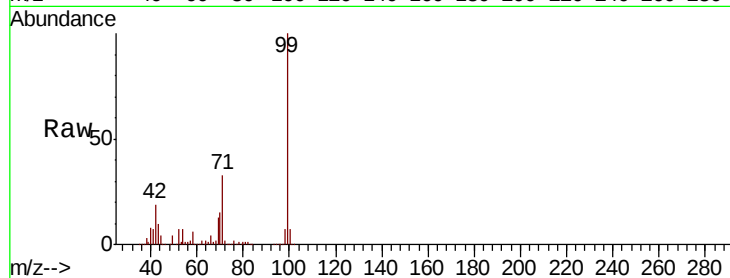
Tot Ion: 99 Resp: 1485126

Ion Ratio Lower Upper

99 100

42 19.3 15.2 22.8

71 33.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.785 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

Tgt Ion: 70 Resp: 130715

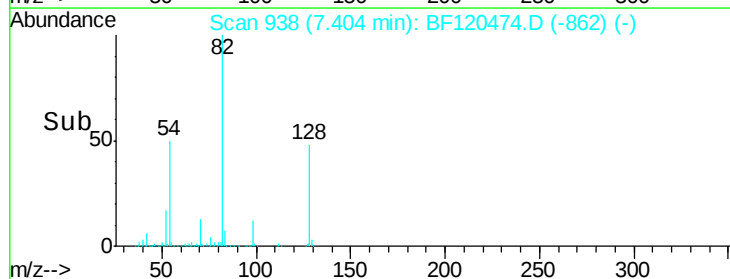
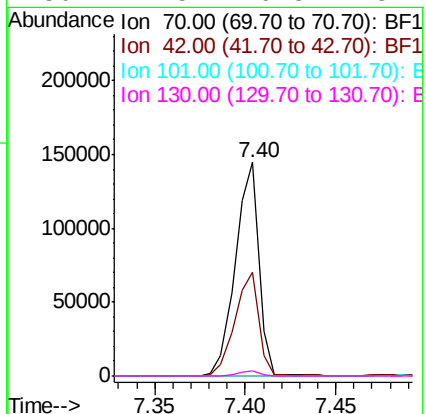
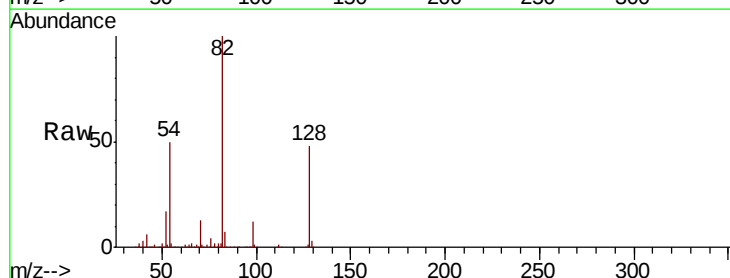
Ion Ratio Lower Upper

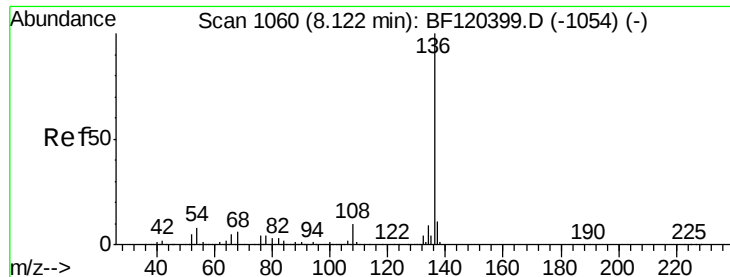
70 100

42 48.7 48.9 73.3#

101 0.0 7.4 11.2#

130 2.5 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: BF120474.D

Acq: 1 Jun 2020 16:39

Instrument :

BNA_F

ClientSampleId :

NM74-COMP-2020-0-6

Tot Ion:136 Resp: 903722

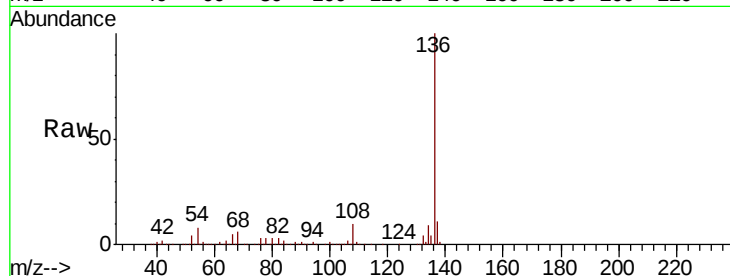
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.9 6.7 10.1

68 6.2 5.0 7.4

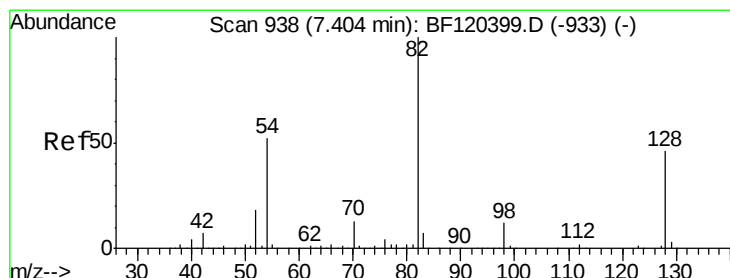
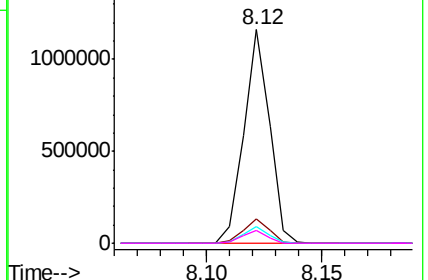
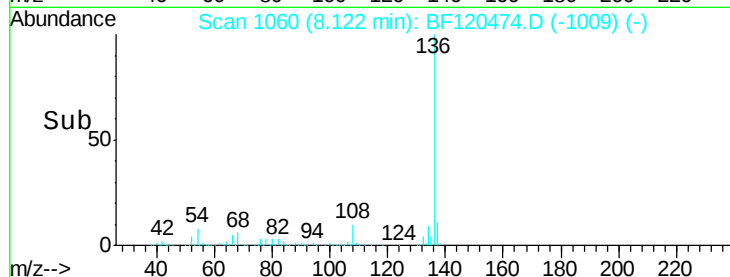


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.156 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

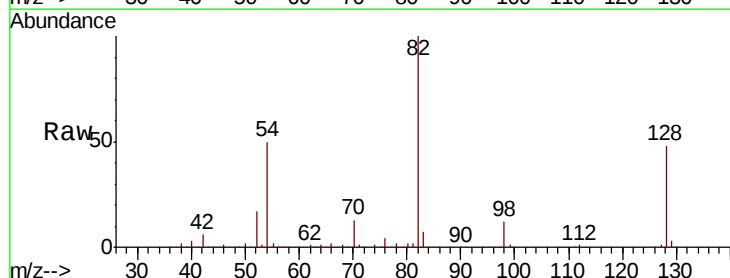
Tgt Ion: 82 Resp: 983070

Ion Ratio Lower Upper

82 100

128 47.7 36.8 55.2

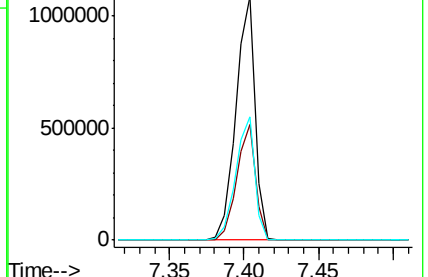
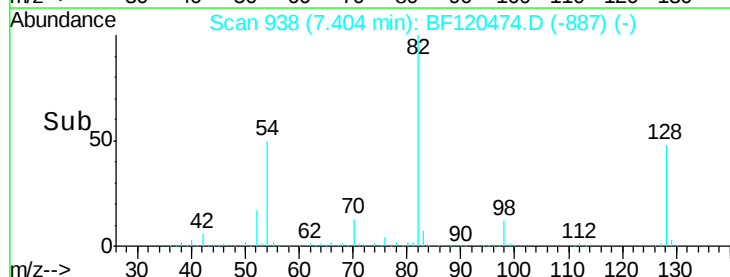
54 50.4 41.6 62.4

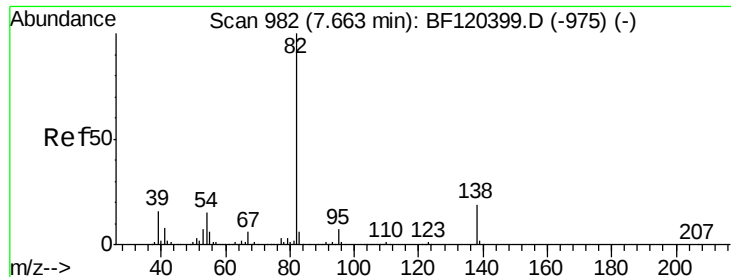


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.337 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

Instrument :

BNA_F

ClientSampleId :

NM74-COMP-2020-0-6

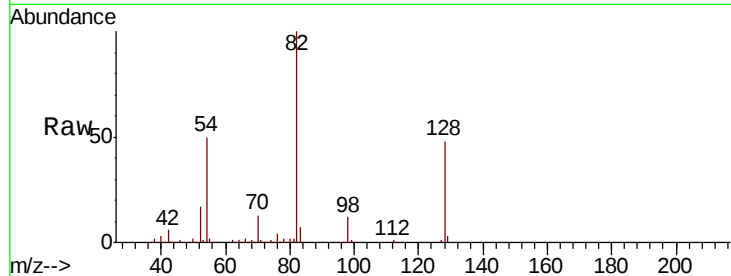
Tot Ion: 82 Resp: 981231

Ion Ratio Lower Upper

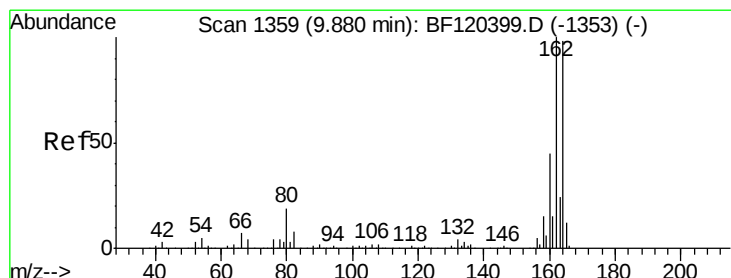
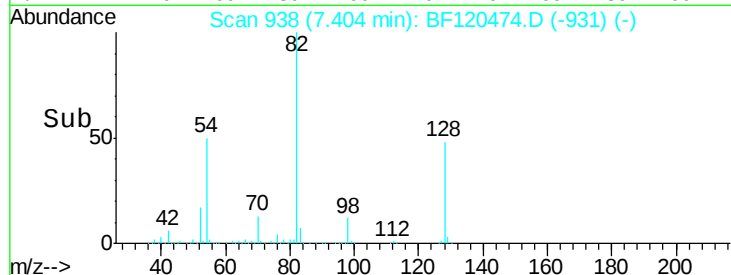
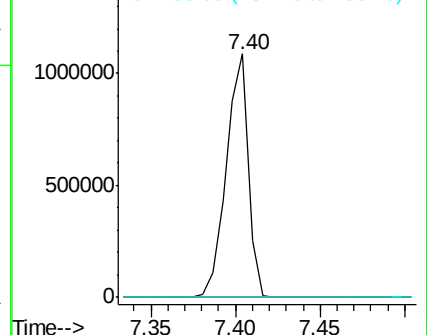
82 100

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. 0.00 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

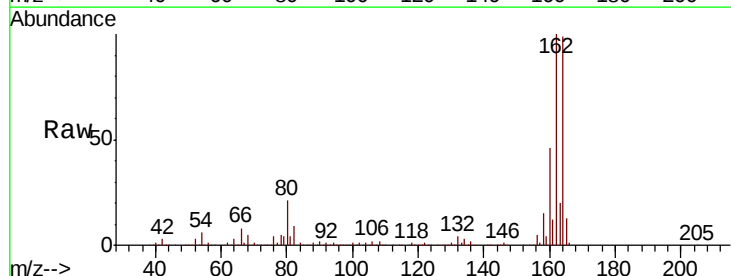
Tgt Ion:164 Resp: 453850

Ion Ratio Lower Upper

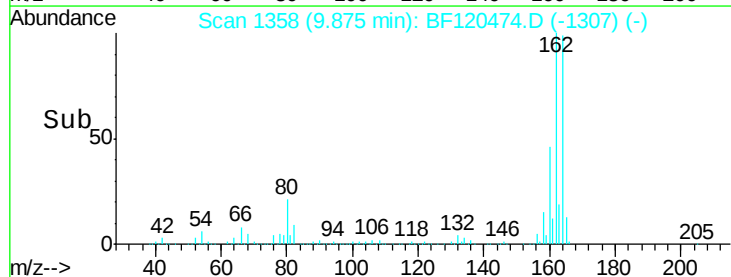
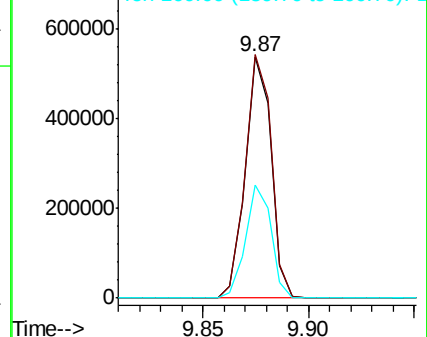
164 100

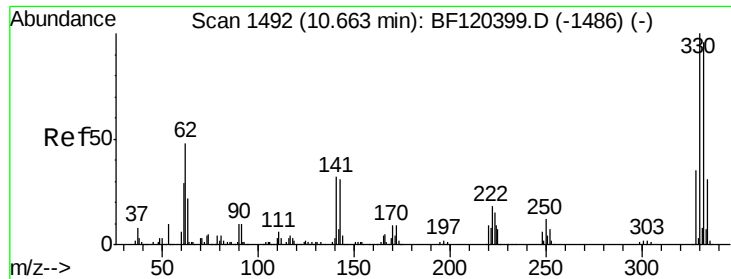
162 100.8 81.3 121.9

160 46.6 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

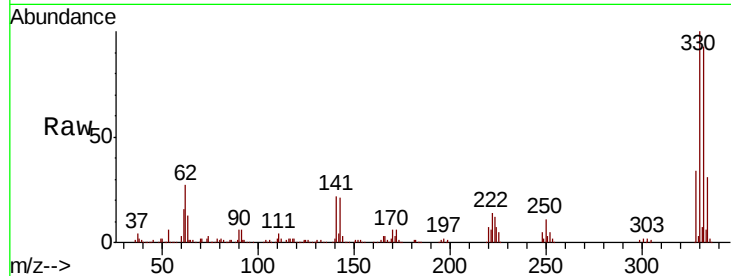




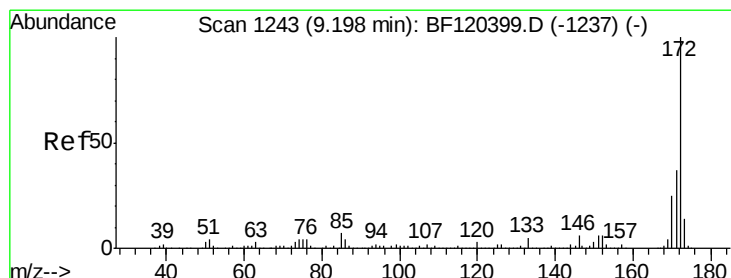
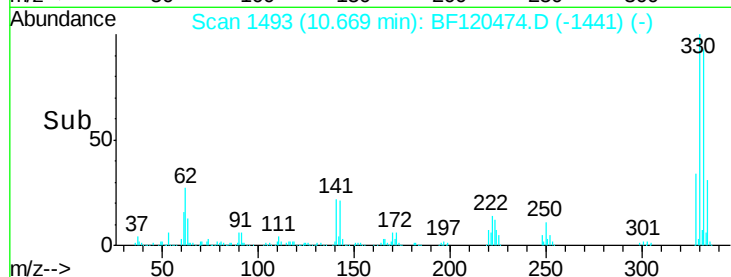
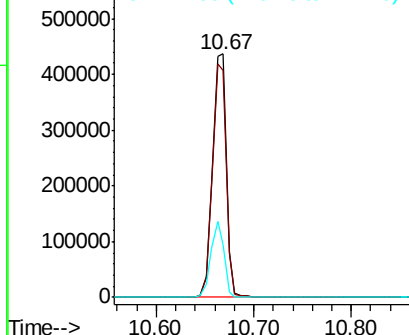
#42
 2,4,6-Tribromophenol
 Concen: 101.884 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BF120474.D
 Acq: 1 Jun 2020 16:39

Instrument :
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 NM74-COMP-2020-0-6

Tot Ion:330 Resp: 428433
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 29.7 25.3 37.9

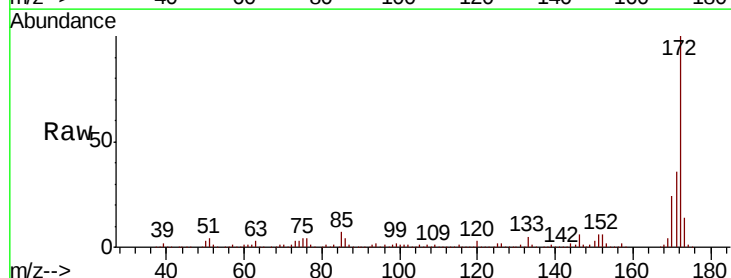


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

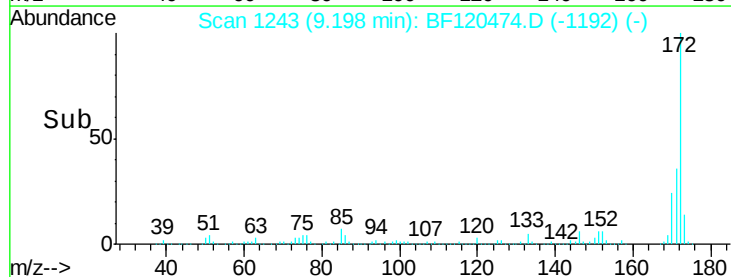
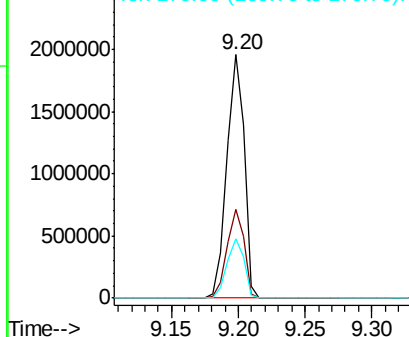


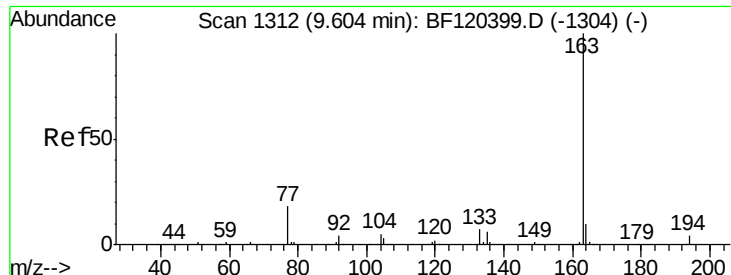
#45
 2-Fluorobiphenyl
 Concen: 67.795 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120474.D
 Acq: 1 Jun 2020 16:39

Tgt Ion:172 Resp: 1813451
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.3 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

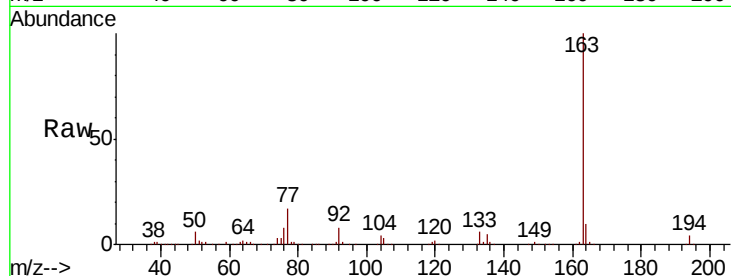




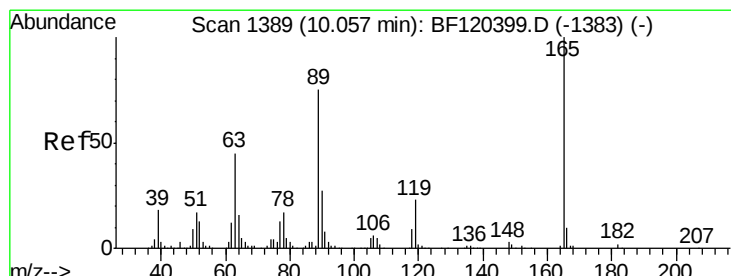
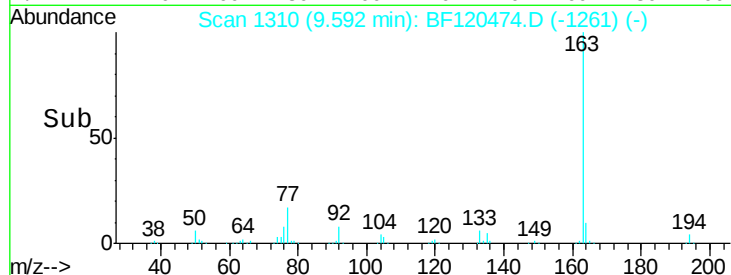
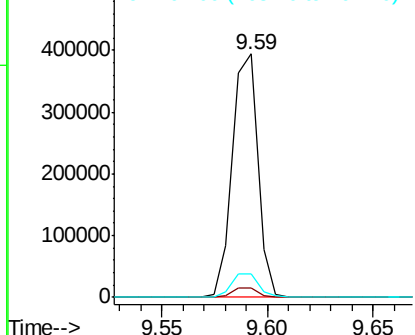
#50
Dimethylphthalate
Concen: 11.587 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Instrument :
BNA_F
ClientSampleId :
NM74-COMP-2020-0-6

Tot Ion:163 Resp: 328769
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.7 8.3 12.5

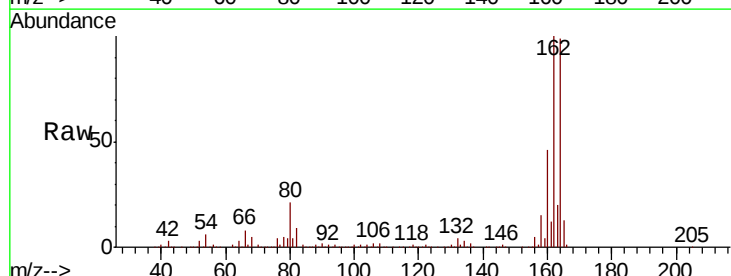


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

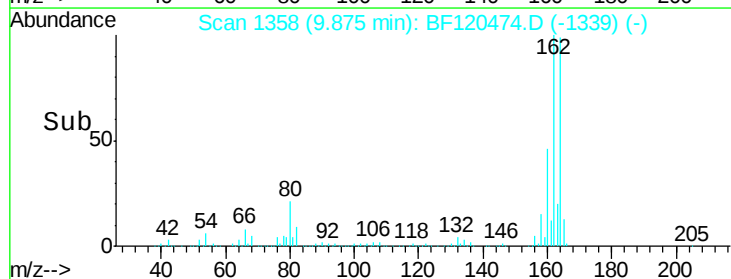
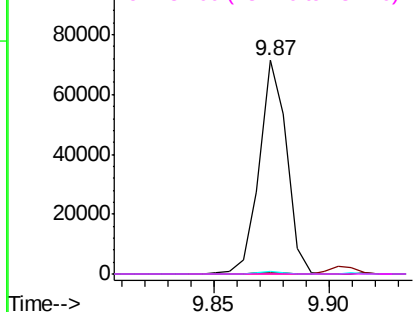


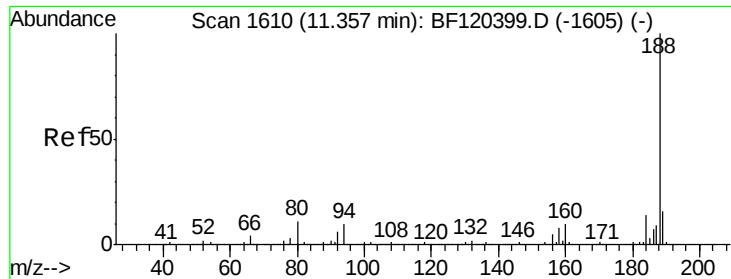
#57
2,4-Dinitrotoluene
Concen: 7.312 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Tgt Ion:165 Resp: 59008
Ion Ratio Lower Upper
165 100
63 0.9 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

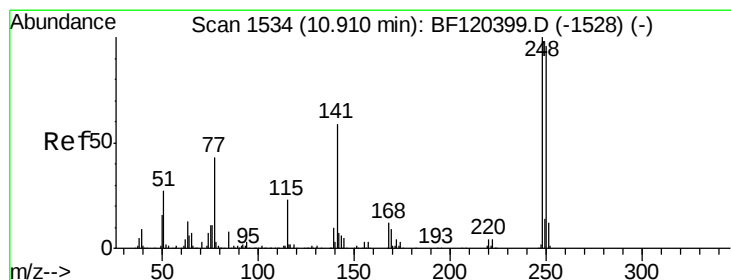
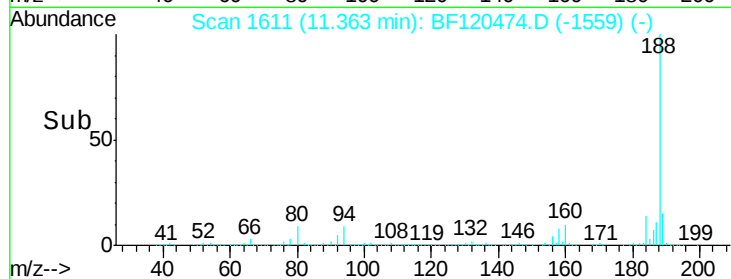
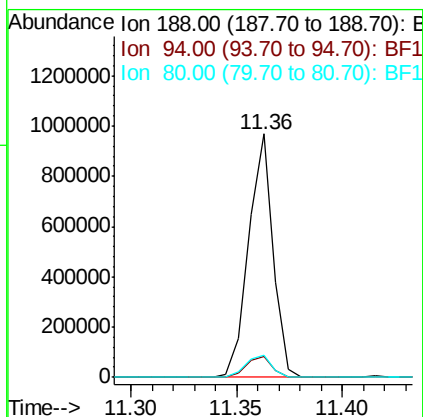
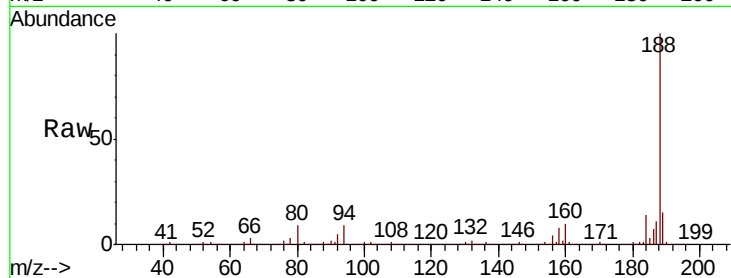




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF120474.D
 Acq: 1 Jun 2020 16:39

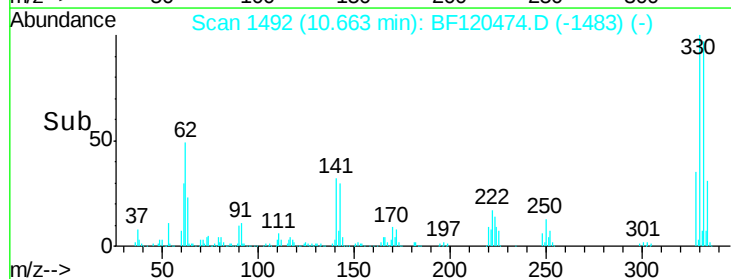
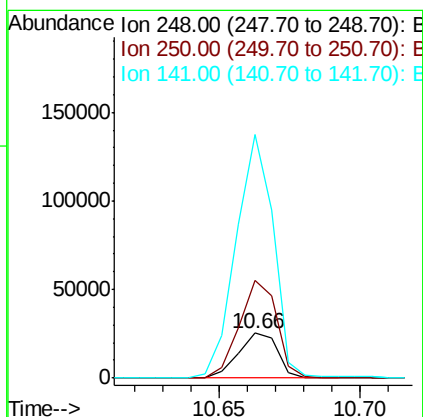
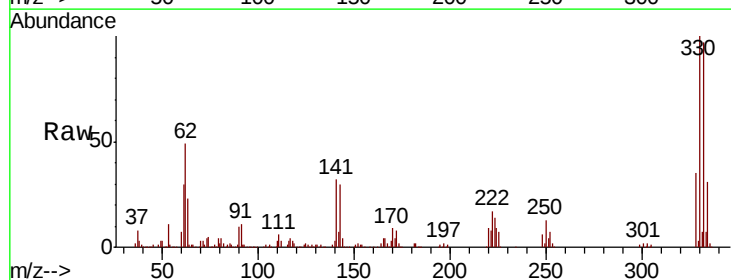
Instrument :
 BNA_F
 ClientSampleId :
 NM74-COMP-2020-0-6

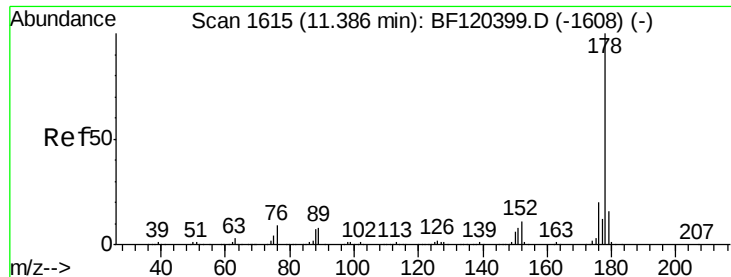
Tot Ion:188 Resp: 777283
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.9 11.9
 80 9.3 8.6 13.0



#67
 4-Bromophenyl-phenylether
 Concen: 3.123 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120474.D
 Acq: 1 Jun 2020 16:39

Tgt Ion:248 Resp: 24502
 Ion Ratio Lower Upper
 248 100
 250 218.5 76.5 114.7#
 141 545.4 47.2 70.8#

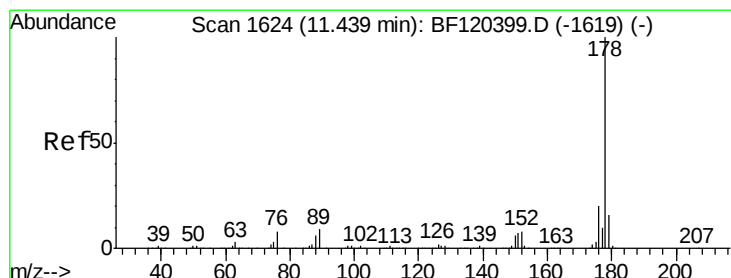
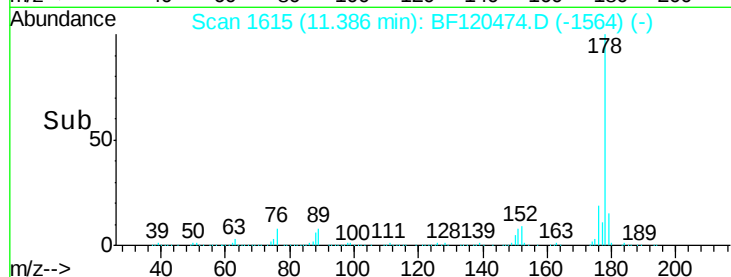
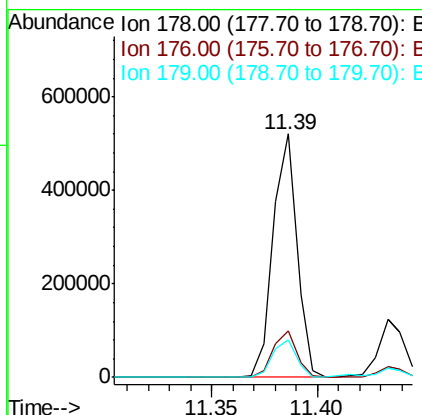
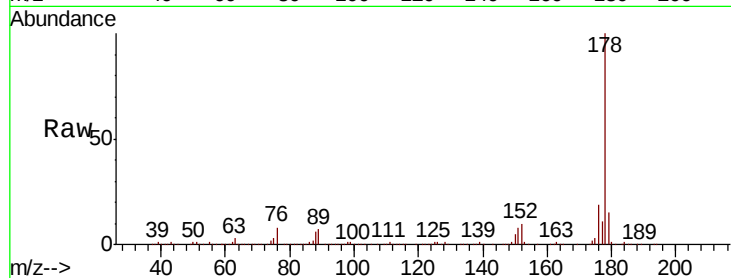




#71
Phenanthrene
Concen: 12.034 ng
RT: 11.39 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

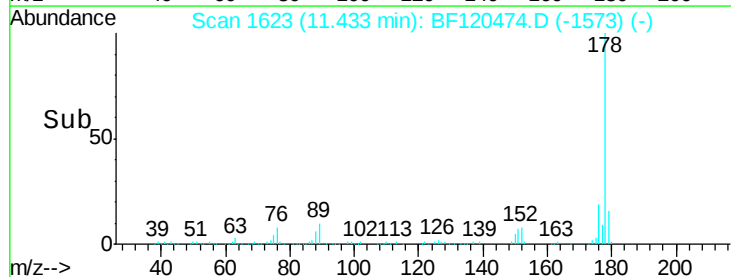
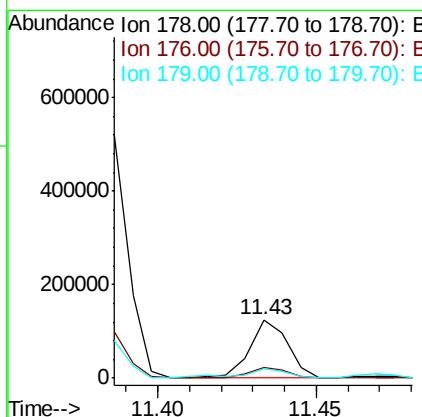
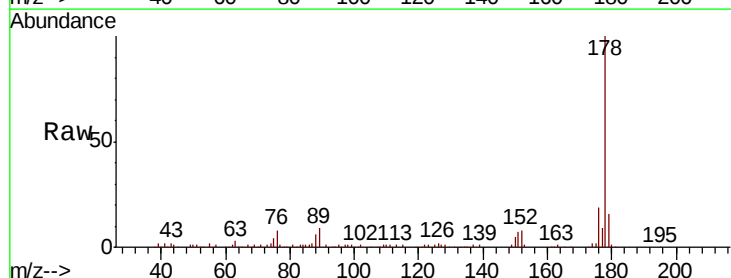
Instrument :
BNA_F
ClientSampleId :
NM74-COMP-2020-0-6

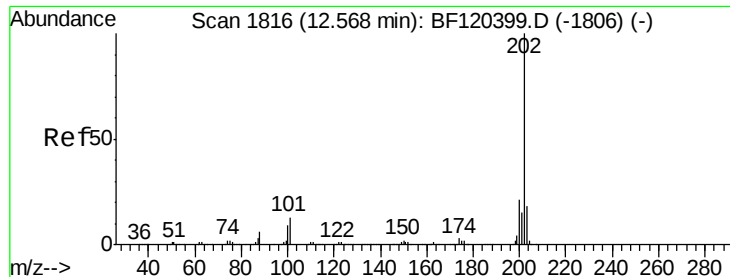
Tot Ion:178 Resp: 412150
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.2 13.0 19.4



#72
Anthracene
Concen: 2.979 ng
RT: 11.43 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Tgt Ion:178 Resp: 102387
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.6 12.8 19.2





#75

Fluoranthene

Concen: 18.505 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

Instrument :

BNA_F

ClientSampleId :

NM74-COMP-2020-0-6

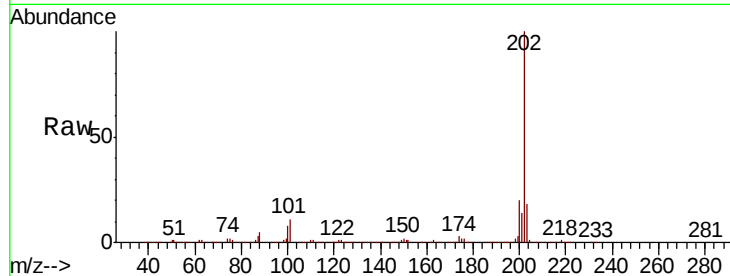
Tot Ion:202 Resp: 681971

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.6

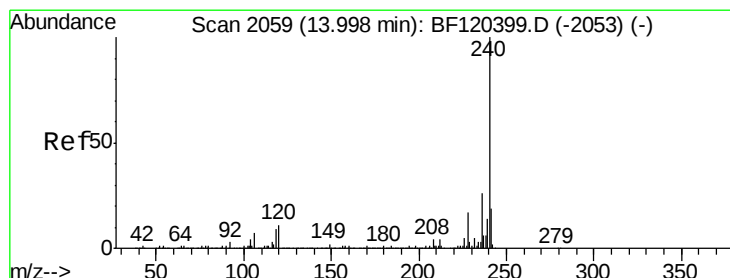
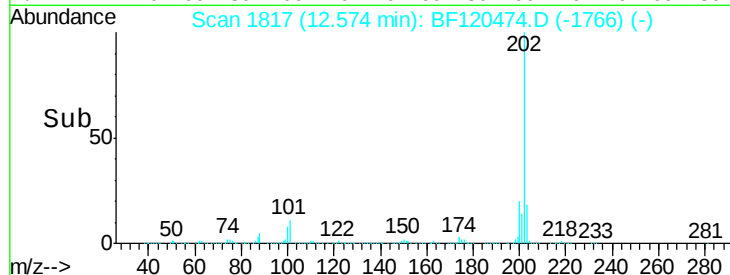
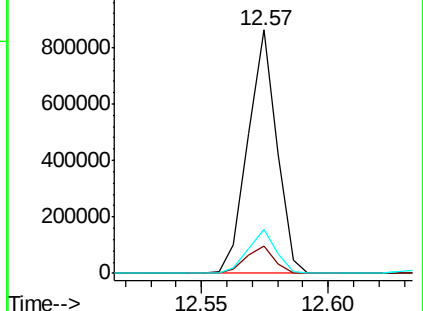
203 17.8 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2060

Delta R.T. 0.01 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

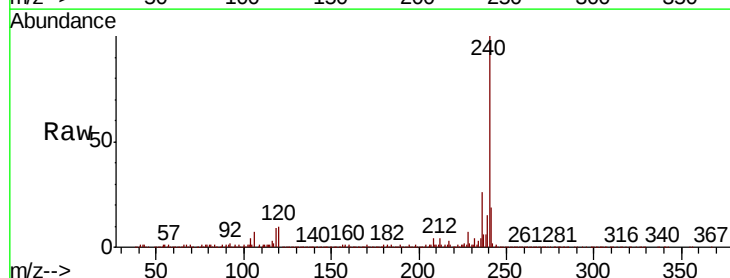
Tgt Ion:240 Resp: 537466

Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

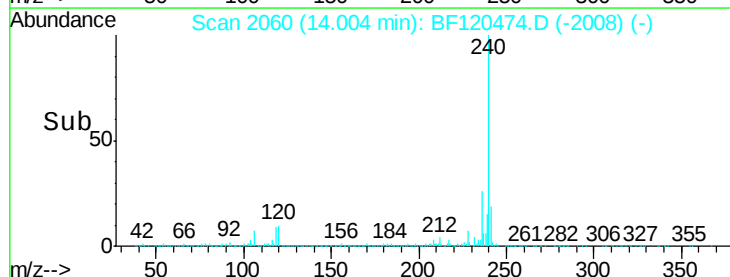
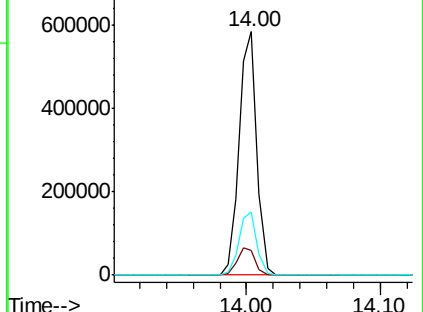
236 26.1 21.0 31.4

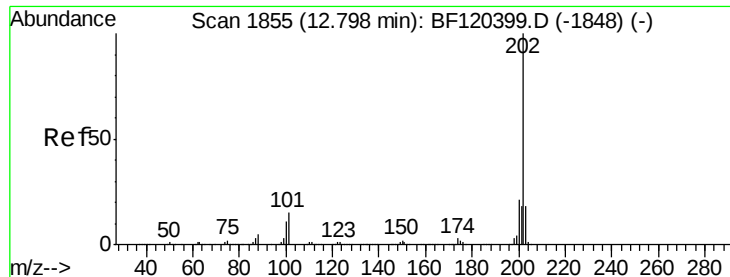


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

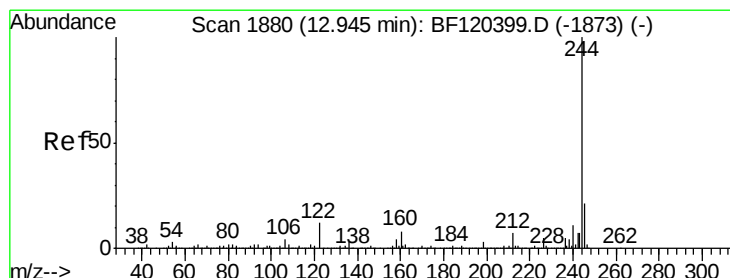
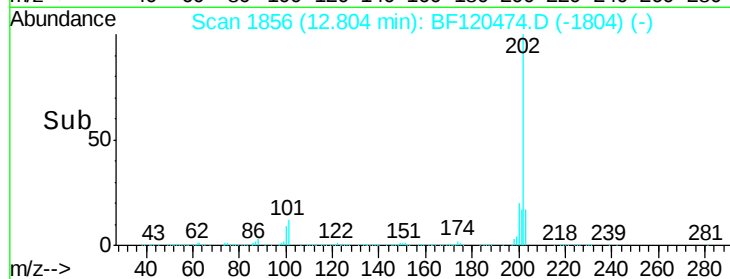
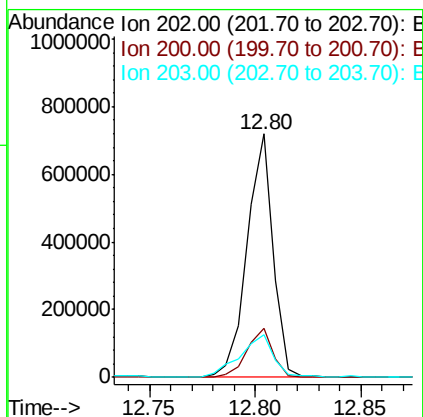
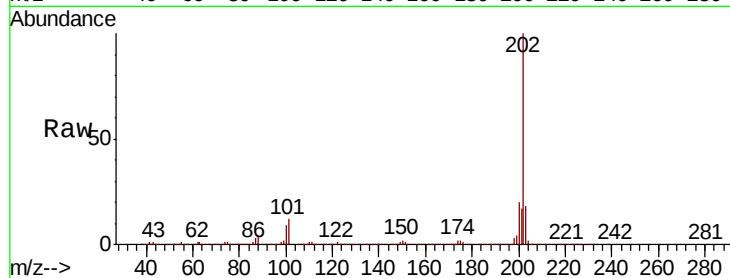




#78
Pvrene
Concen: 16.451 ng
RT: 12.80 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

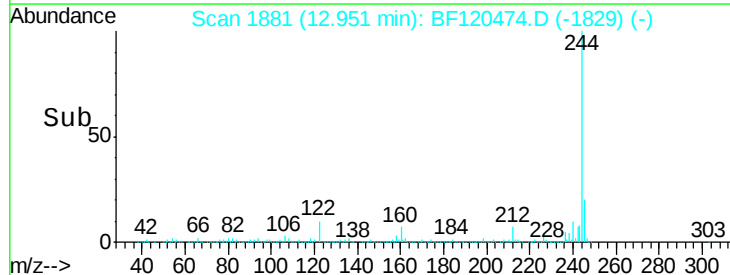
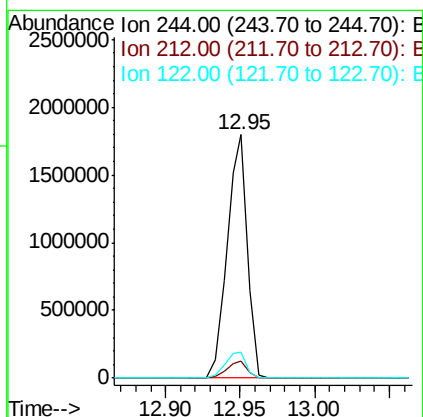
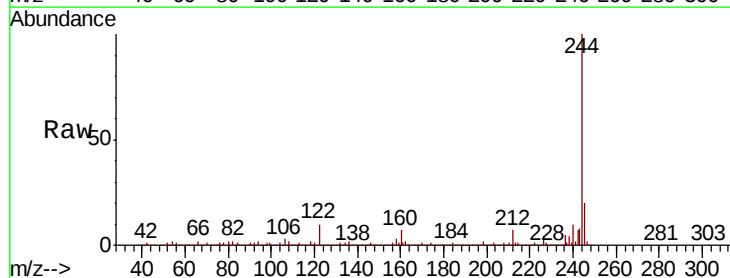
Instrument :
BNA_F
ClientSampleId :
NM74-COMP-2020-0-6

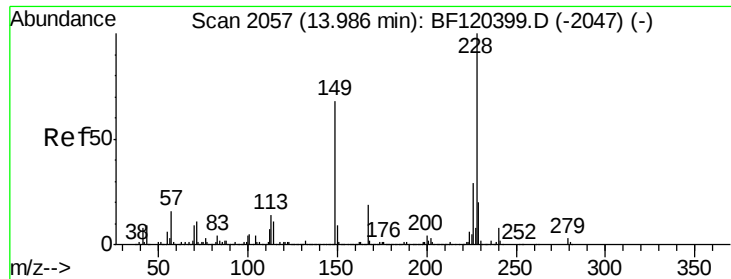
Tot Ion:202 Resp: 614890
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 17.7 14.7 22.1



#79
Terphenyl-d14
Concen: 70.967 ng
RT: 12.95 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Tgt Ion:244 Resp: 1714076
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 10.5 9.2 13.8

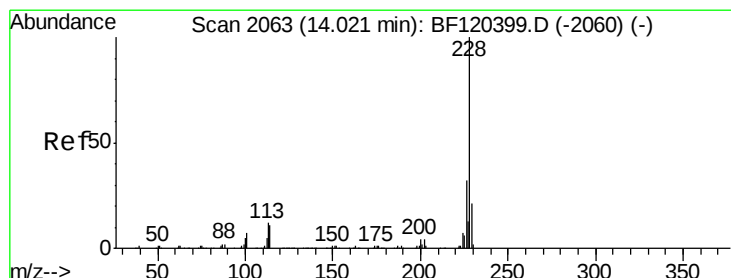
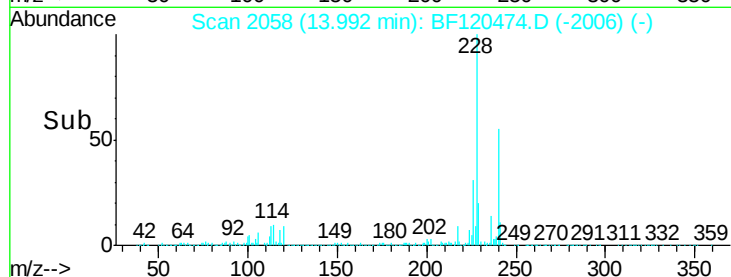
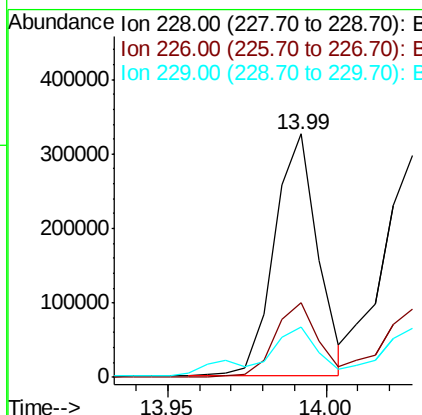
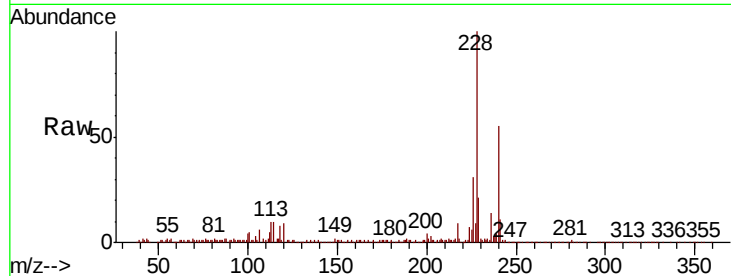




#81
Benzo(a)anthracene
Concen: 10.772 ng
RT: 13.99 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

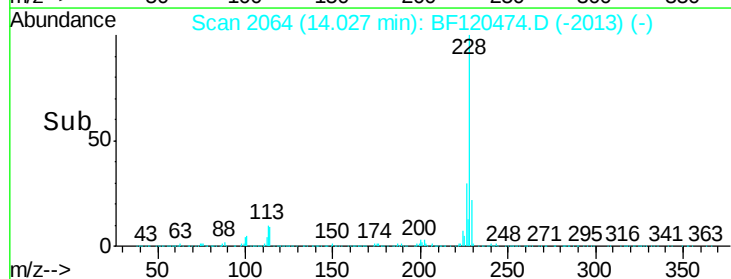
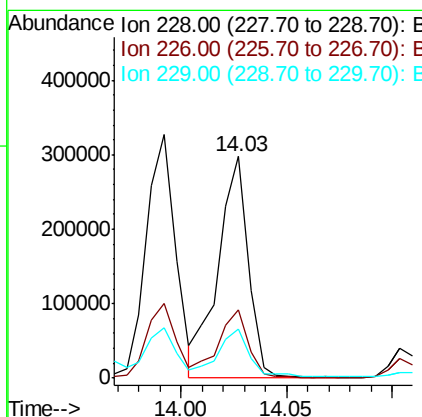
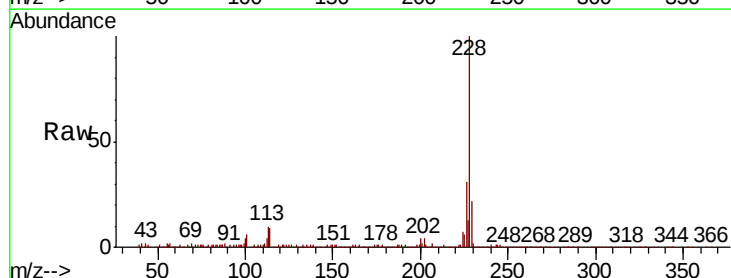
Instrument :
BNA_F
ClientSampleId :
NM74-COMP-2020-0-6

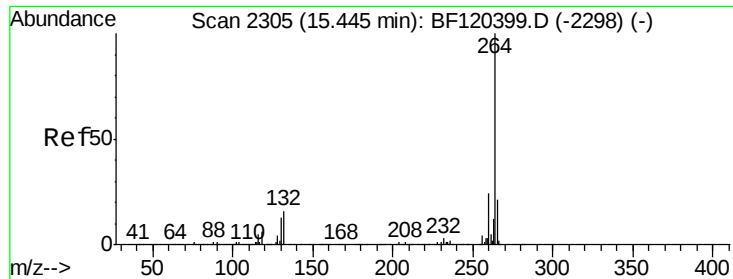
Tot Ion:228 Resp: 310295
Ion Ratio Lower Upper
228 100
226 30.8 23.0 34.4
229 20.6 16.2 24.4



#83
Chrysene
Concen: 9.696 ng
RT: 14.03 min Scan# 2064
Delta R.T. 0.00 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Tgt Ion:228 Resp: 292806
Ion Ratio Lower Upper
228 100
226 30.6 25.6 38.4
229 22.2 16.6 25.0



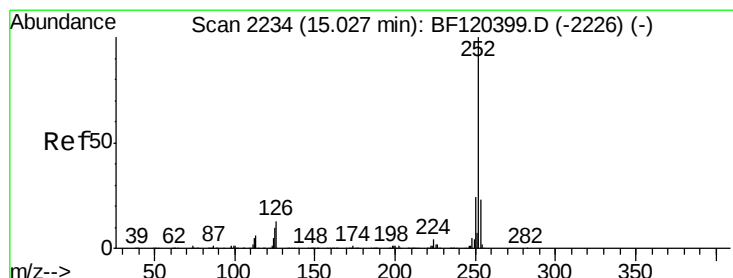
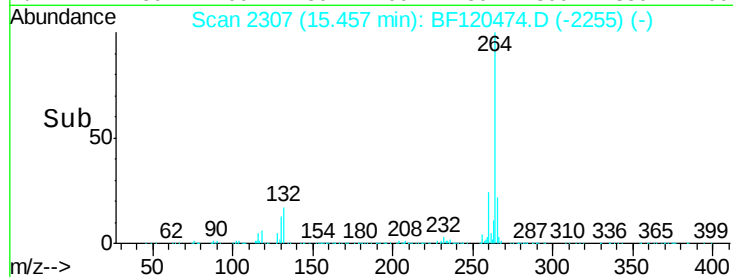
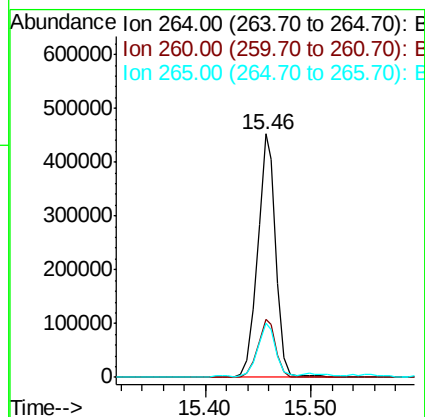
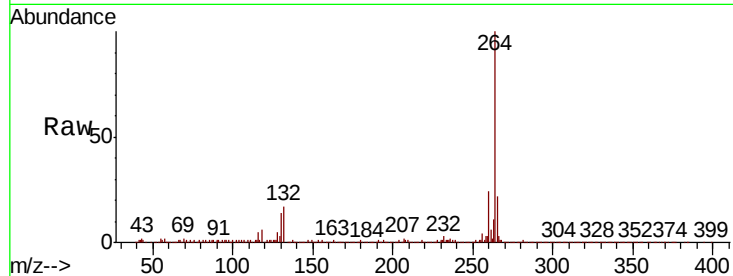


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Instrument :
BNA_F
ClientSampleId :
NM74-COMP-2020-0-6

Tot Ion:264 Resp: 541637

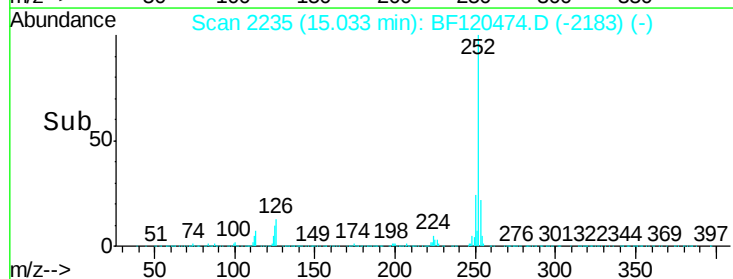
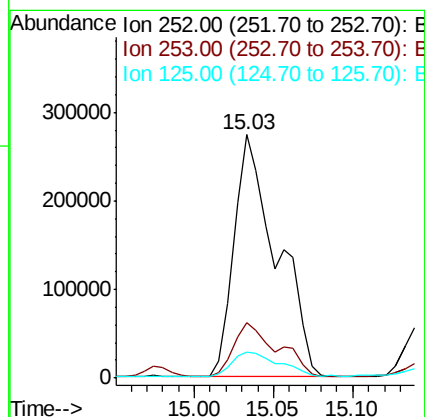
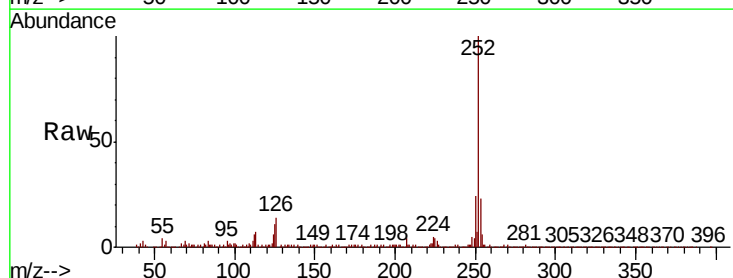
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.2	16.9	25.3

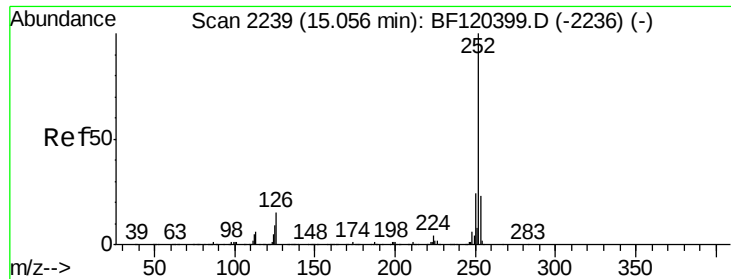


#88
Benzo(b)fluoranthene
Concen: 16.975 ng
RT: 15.03 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Tgt Ion:252 Resp: 510679

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	10.9	7.8	11.8

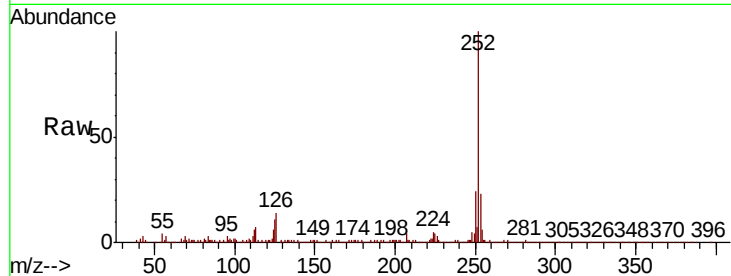




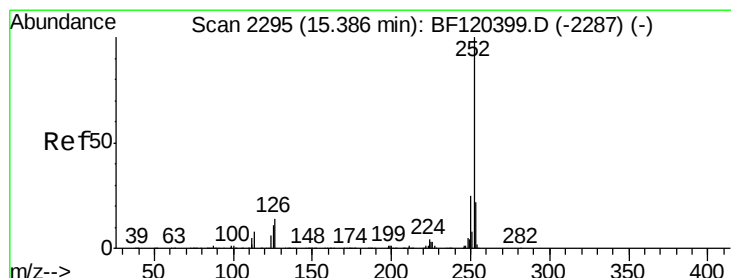
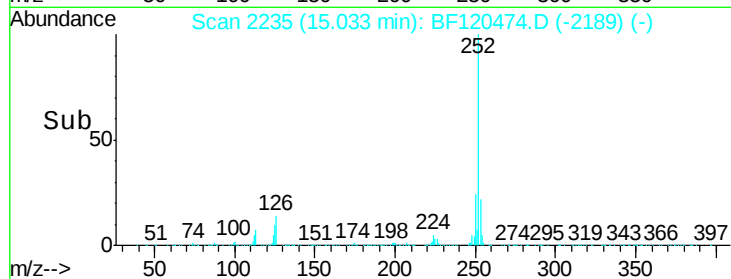
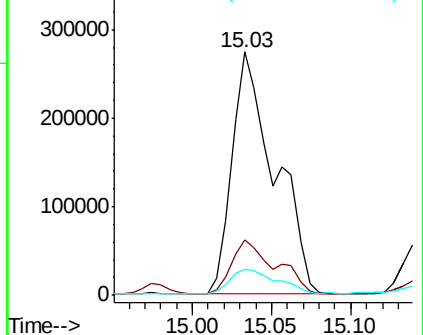
#89
Benzo(k)fluoranthene
Concen: 18.183 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Instrument :
BNA_F
ClientSampleId :
NM74-COMP-2020-0-6

Tot Ion:252 Resp: 510679
Ion Ratio Lower Upper
252 100
253 22.5 18.5 27.7
125 10.9 8.0 12.0

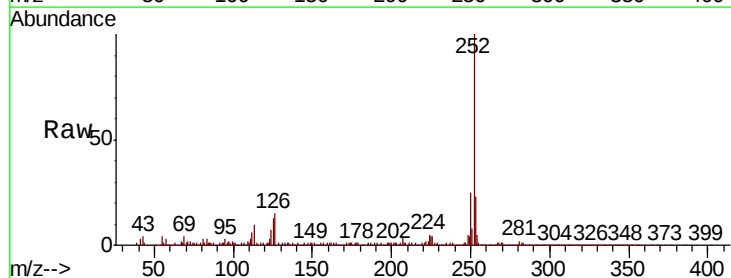


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

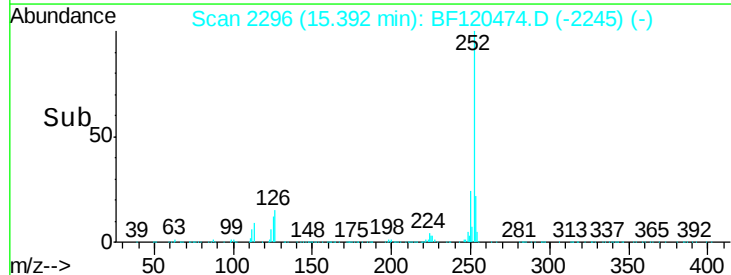
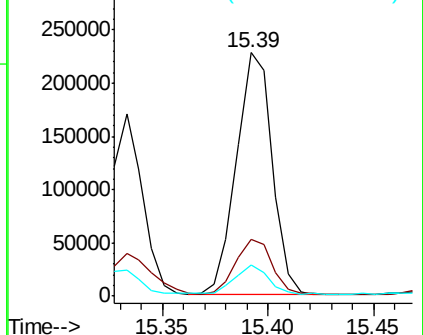


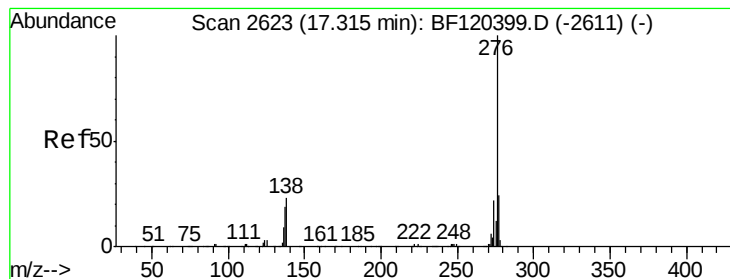
#90
Benzo(a)pyrene
Concen: 10.187 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120474.D
Acq: 1 Jun 2020 16:39

Tgt Ion:252 Resp: 268070
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 12.6 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(a,h,i)perylene

Concen: 6.219 ng

RT: 17.33 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BF120474.D

Acq: 1 Jun 2020 16:39

Instrument :

BNA_F

ClientSampleId :

NM74-COMP-2020-0-6

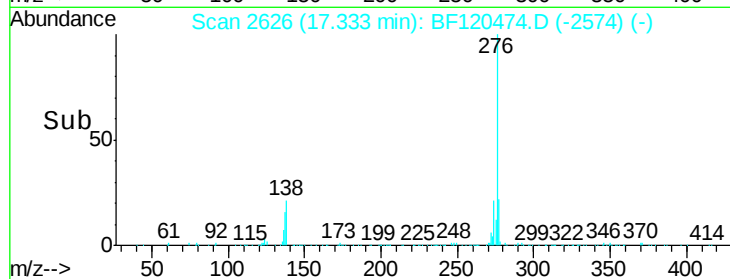
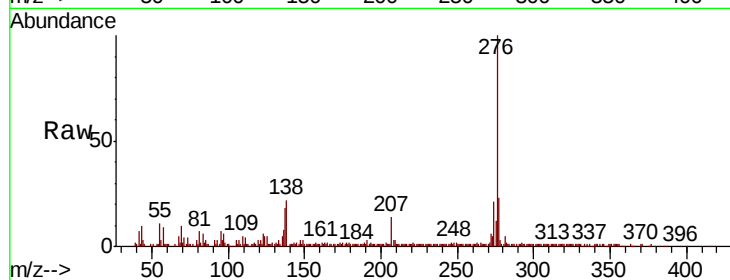
Tot Ion: 276 Resp: 148138

Ion Ratio Lower Upper

276 100

277 23.2 19.5 29.3

138 21.9 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

