

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120425.D
 Acq On : 28 May 2020 23:21
 Operator : MA/SJ
 Sample : L2746-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM77-COMP-2020-0-6

Quant Time: May 29 03:31:33 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	237017	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	816861	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	360973	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	620662	20.00	ng	0.00
76) Chrysene-d12	14.00	240	537417	20.00	ng	0.00
86) Perylene-d12	15.45	264	465904	20.00	ng	0.00

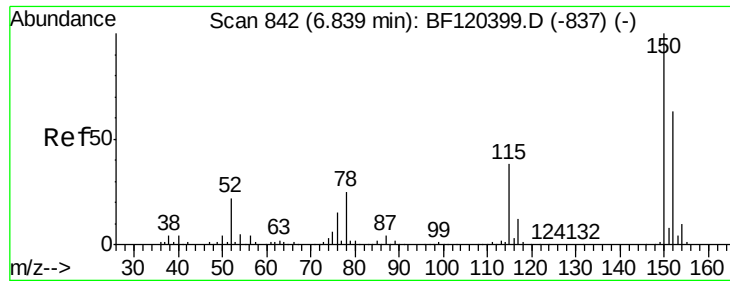
System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1202041	96.65	ng	0.00
7) Phenol-d6	6.47	99	1438639	93.85	ng	0.00
23) Nitrobenzene-d5	7.40	82	908857	72.78	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	331736	99.19	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1622173	76.25	ng	0.00
79) Terphenyl-d14	12.94	244	1593762	65.99	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	121724	12.492	ng	# 76
25) Isophorone	7.40	82	906404	36.114	ng	# 64
50) Dimethylphthalate	9.59	163	217851	9.653	ng	100
57) 2,4-Dinitrotoluene	9.87	165	46980	7.319	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	19792	3.159	ng	# 1
71) Phenanthrene	11.39	178	344375	12.592	ng	97
72) Anthracene	11.43	178	87321	3.182	ng	99
75) Fluoranthene	12.57	202	585077	19.882	ng	96
78) Pyrene	12.80	202	539271	14.429	ng	98
81) Benzo(a)anthracene	13.99	228	311719	10.823	ng	98
83) Chrysene	14.02	228	260586	8.630	ng	96
84) Bis(2-ethylhexyl)phthalate	13.98	149	55840	3.049	ng	95
85) Di-n-octyl phthalate	14.57	149	721160	22.755	ng	# 60
87) Indeno(1,2,3-cd)pyrene	16.89	276	124266	4.877	ng	95
88) Benzo(b)fluoranthene	15.03	252	415812	16.068	ng	98
89) Benzo(k)fluoranthene	15.03	252	415812	17.212	ng	98
90) Benzo(a)pyrene	15.39	252	211772	9.356	ng	97
92) Benzo(g,h,i)perylene	17.32	276	115080	5.616	ng	98

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

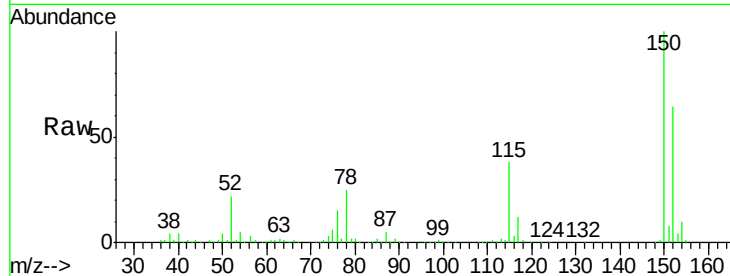


#1

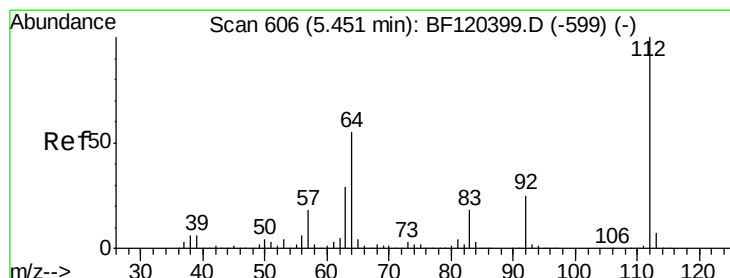
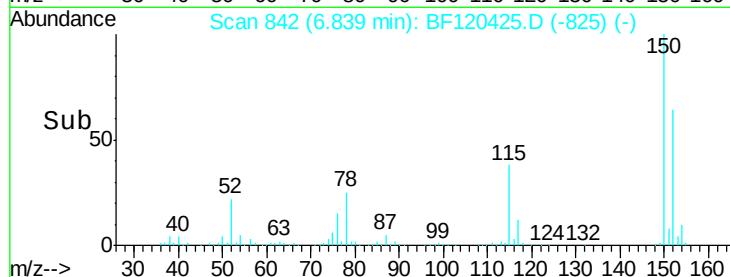
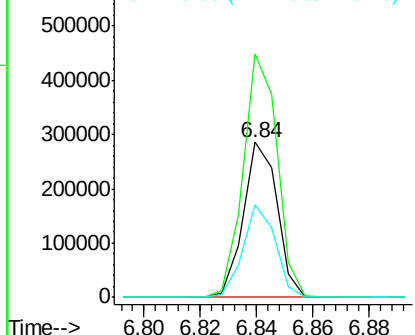
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

Instrument :
BNA_F
ClientSampleId :
NM77-COMP-2020-0-6

Tot Ion:152 Resp: 237017
Ion Ratio Lower Upper
152 100
150 156.8 126.5 189.7
115 60.0 47.6 71.4



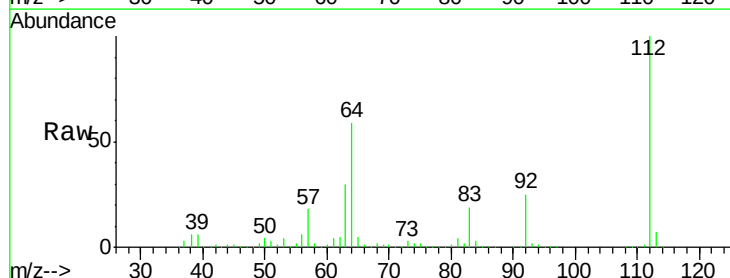
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



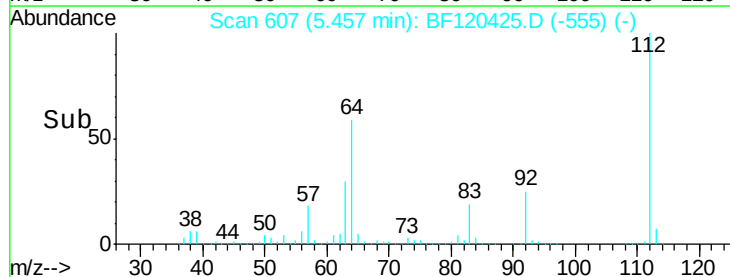
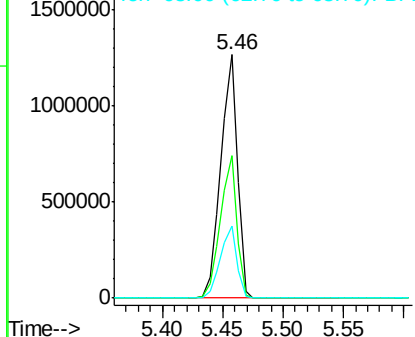
#5

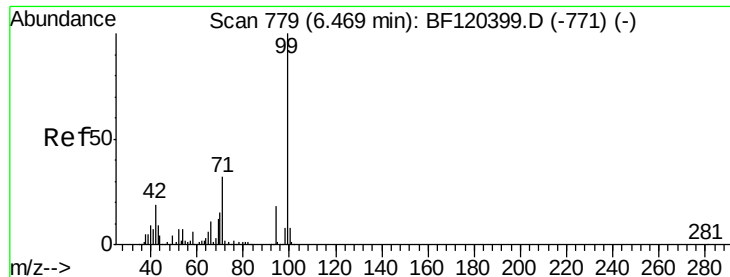
2-Fluorophenol
Concen: 96.651 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

Tgt Ion:112 Resp: 1202041
Ion Ratio Lower Upper
112 100
64 58.6 44.3 66.5
63 29.6 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: 93.848 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

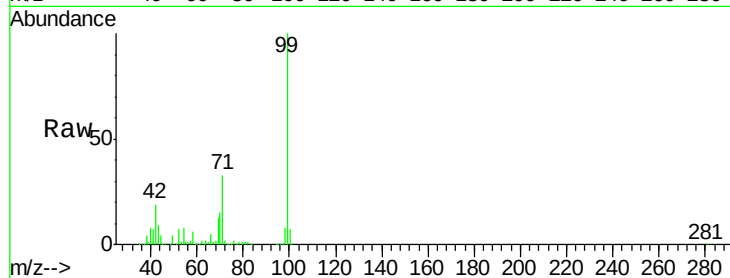
Tot Ion: 99 Resp: 1438639

Ion Ratio Lower Upper

99 100

42 19.3 15.2 22.8

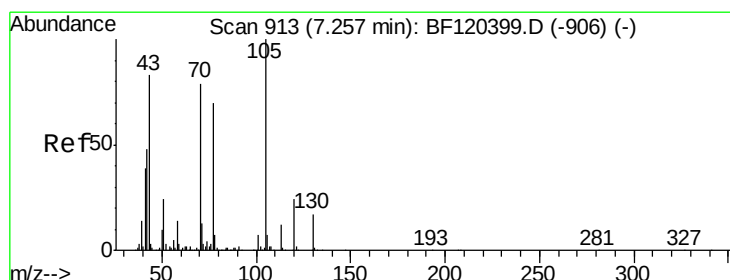
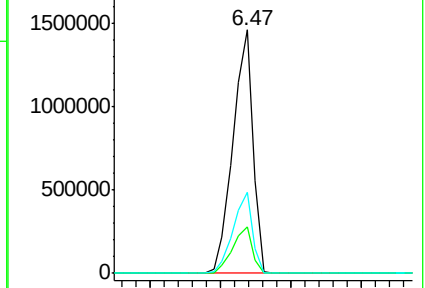
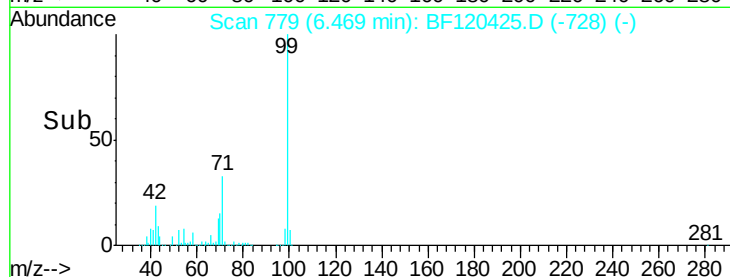
71 33.4 25.6 38.4



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: 12.492 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Tgt Ion: 70 Resp: 121724

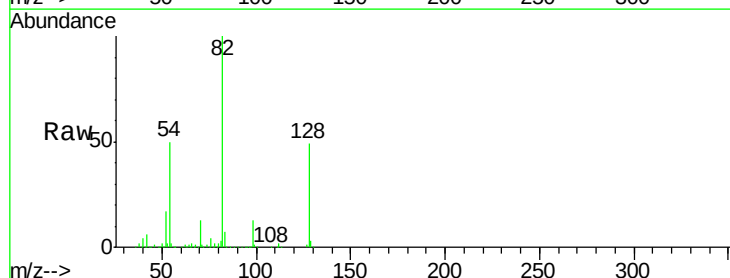
Ion Ratio Lower Upper

70 100

42 46.9 48.9 73.3#

101 0.0 7.4 11.2#

130 2.5 16.8 25.2#

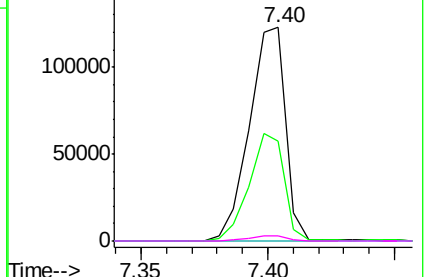
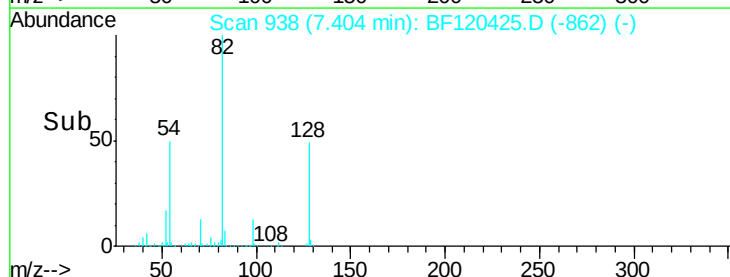


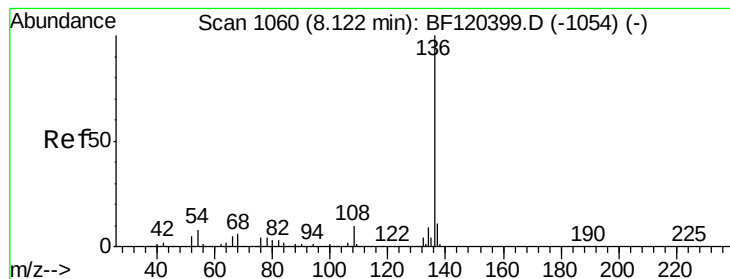
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

Tot Ion:136 Resp: 816861

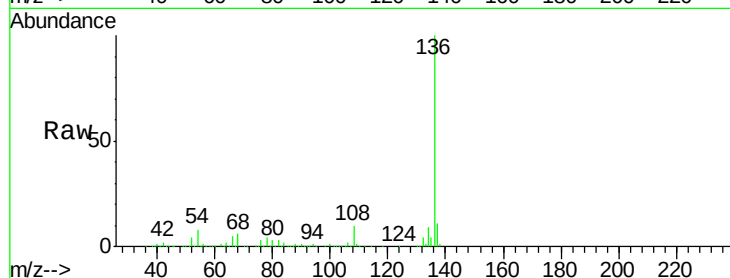
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 8.0 6.7 10.1

68 6.1 5.0 7.4

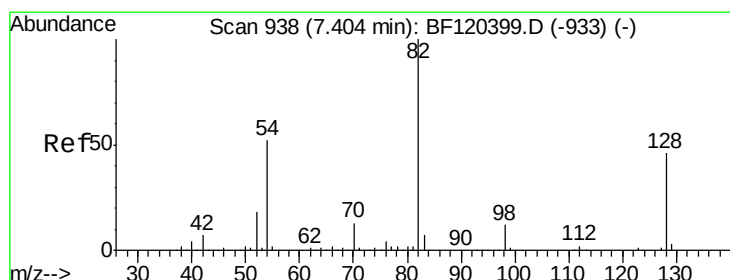
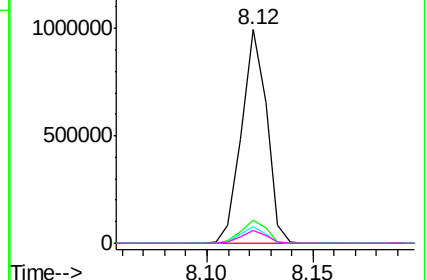
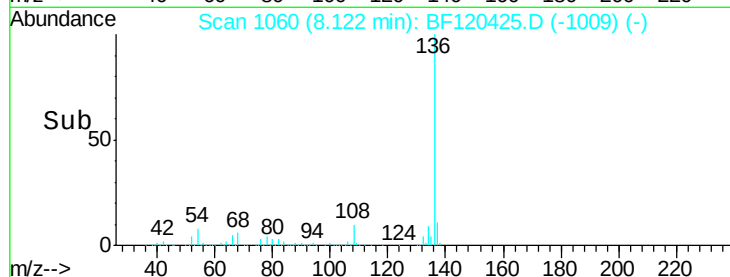


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.780 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

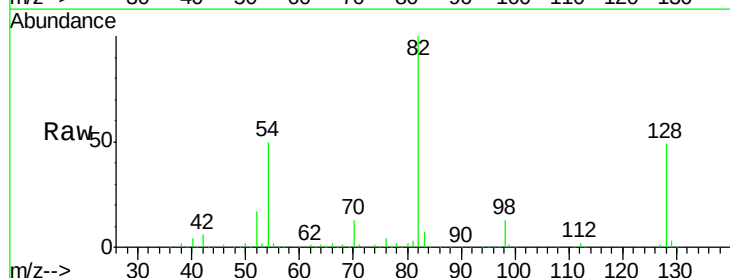
Tgt Ion: 82 Resp: 908857

Ion Ratio Lower Upper

82 100

128 49.1 36.8 55.2

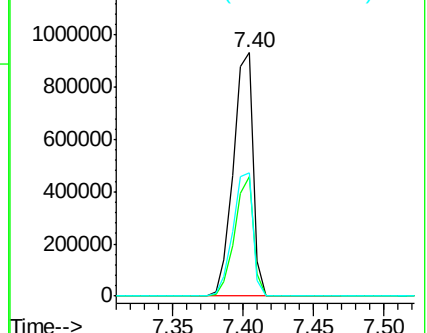
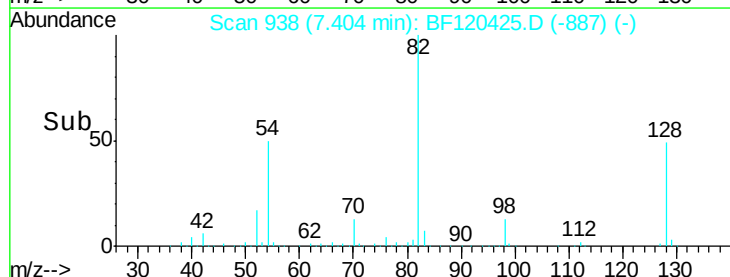
54 50.5 41.6 62.4

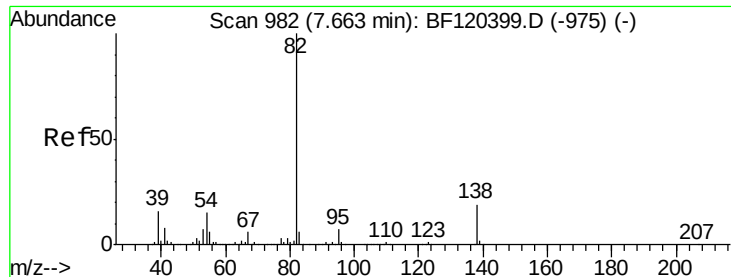


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.114 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

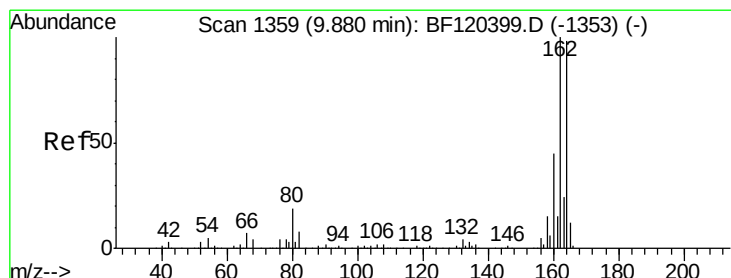
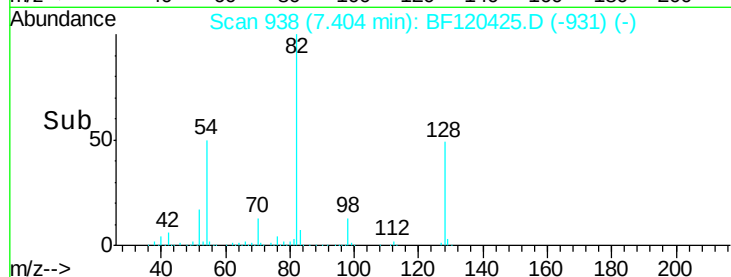
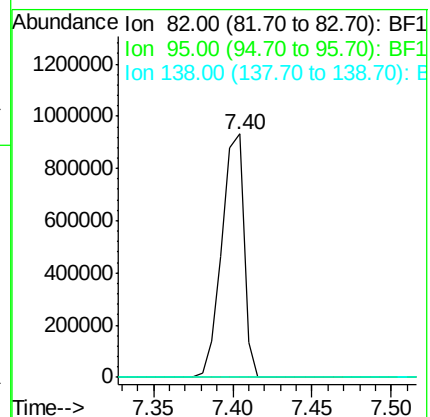
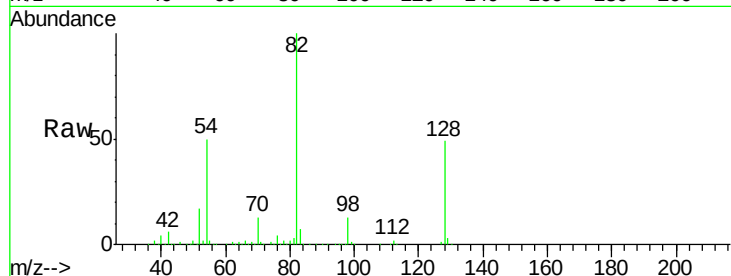
Tot Ion: 82 Resp: 906404

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

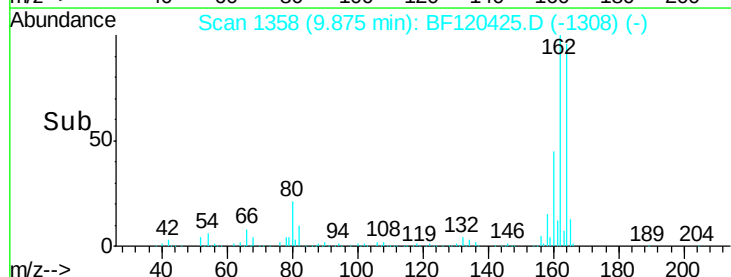
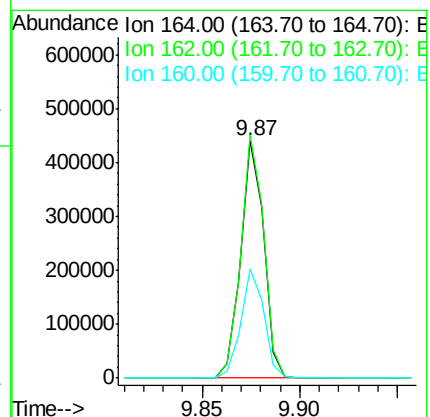
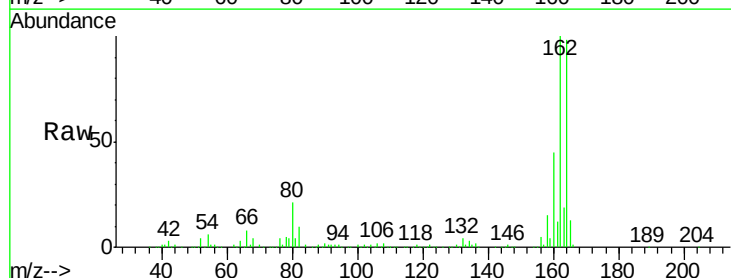
Tgt Ion: 164 Resp: 360973

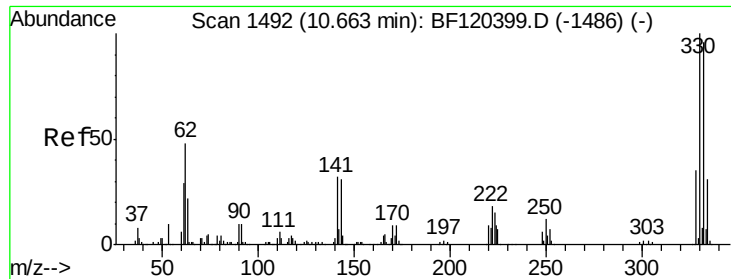
Ion Ratio Lower Upper

164 100

162 102.5 81.3 121.9

160 45.9 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 99.186 ng

RT: 10.66 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

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NM77-COMP-2020-0-6

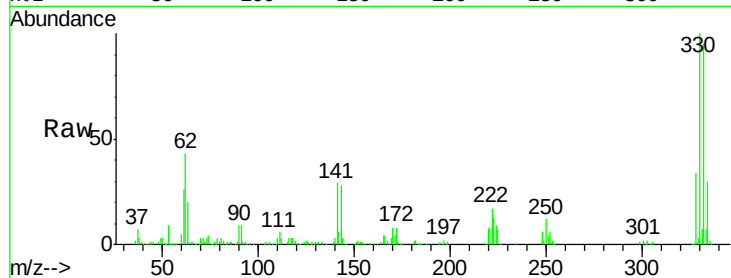
Tot Ion:330 Resp: 331736

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

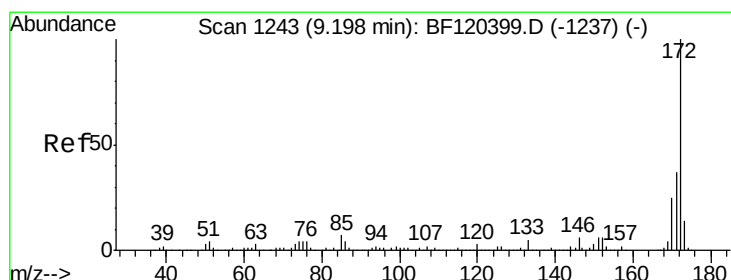
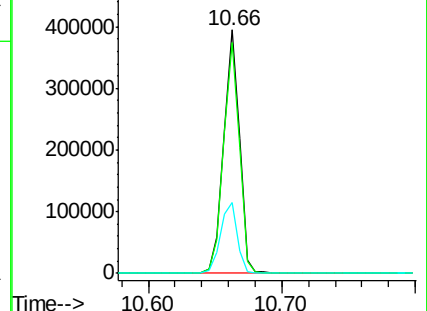
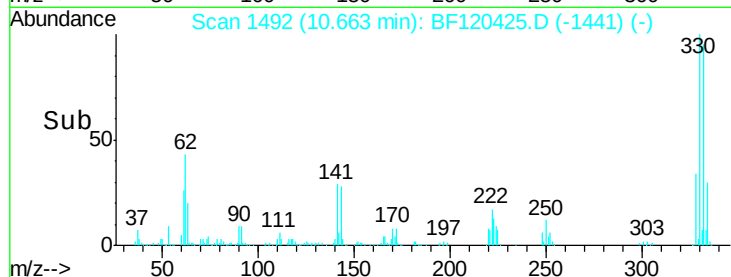
141 31.1 25.3 37.9



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: 76.248 ng

RT: 9.20 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

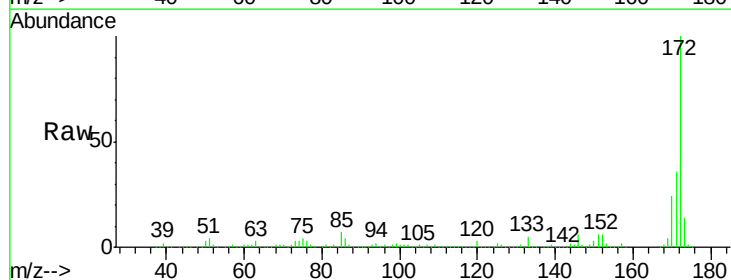
Tgt Ion:172 Resp: 1622173

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

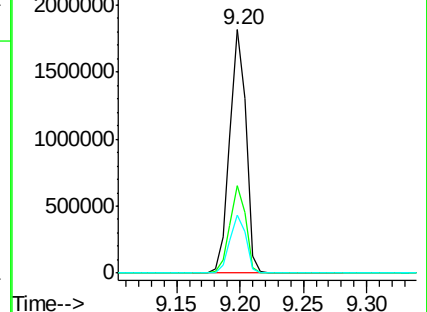
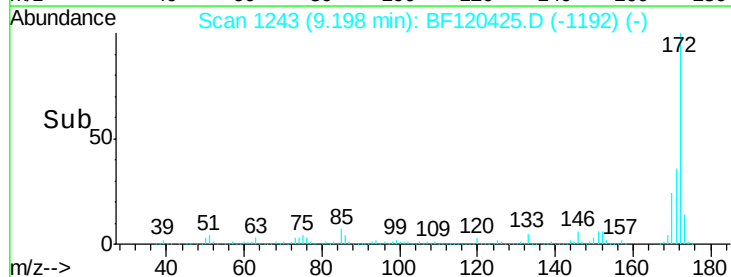
170 23.9 19.9 29.9

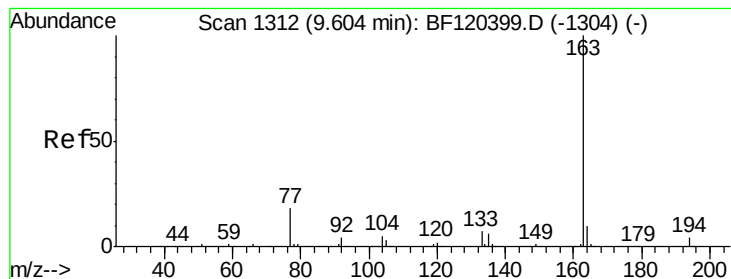


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.653 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

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NM77-COMP-2020-0-6

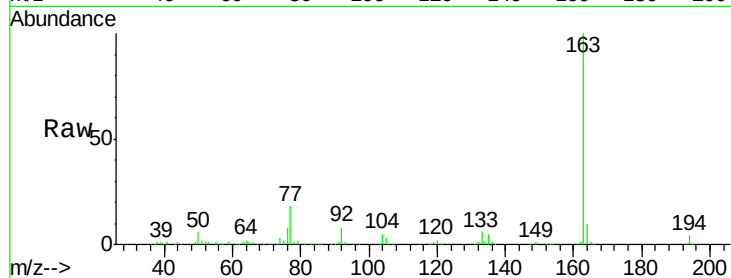
Tot Ion:163 Resp: 217851

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

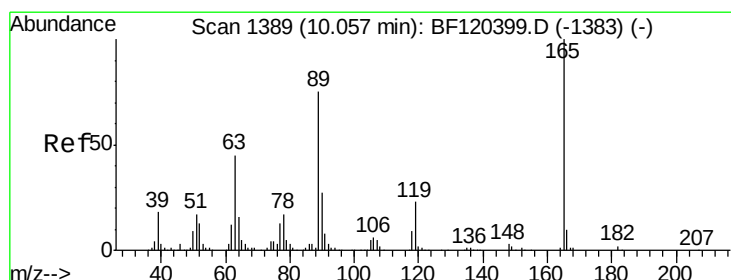
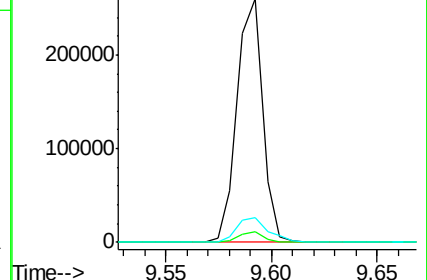
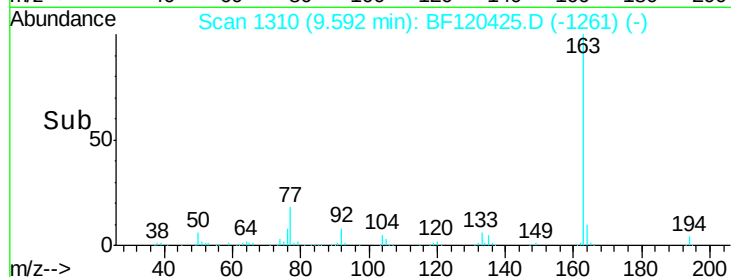
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 7.319 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.18 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Tgt Ion:165 Resp: 46980

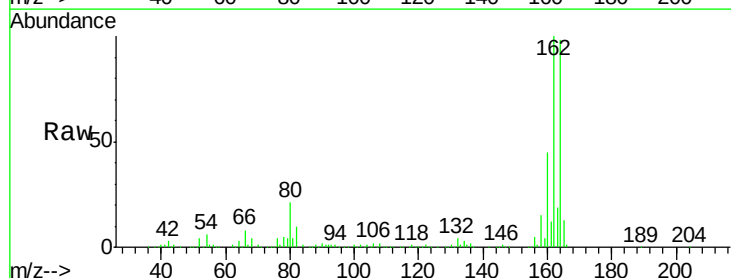
Ion Ratio Lower Upper

165 100

63 1.0 35.9 53.9#

89 1.3 60.0 90.0#

182 0.0 2.0 3.0#

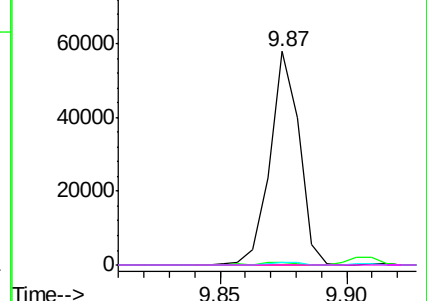
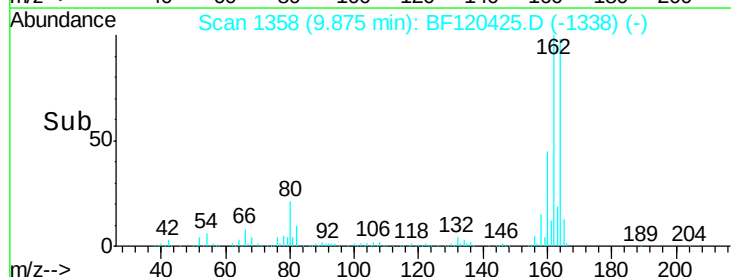


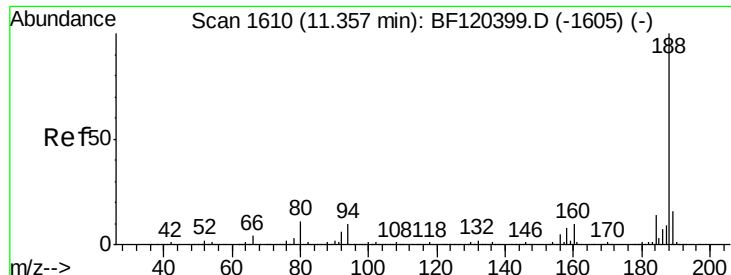
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

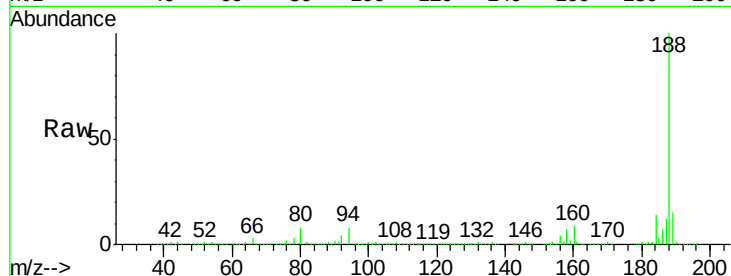
Tot Ion:188 Resp: 620662

Ion Ratio Lower Upper

188 100

94 8.1 7.9 11.9

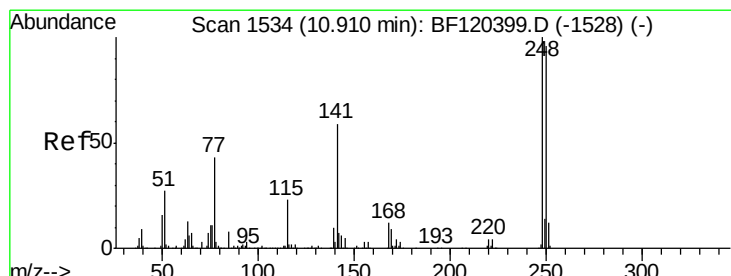
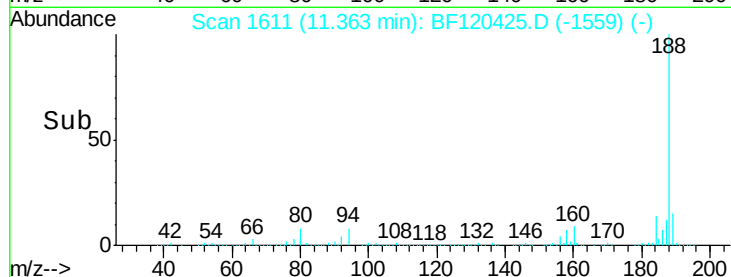
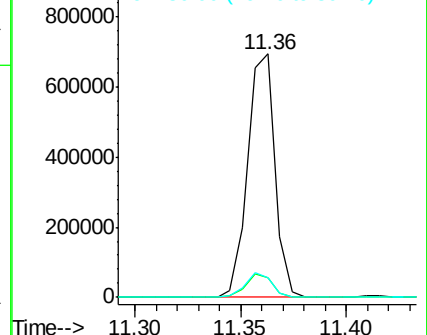
80 8.2 8.6 13.0#



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: 3.159 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

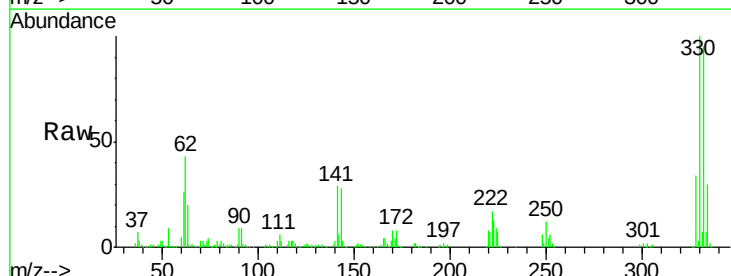
Tgt Ion:248 Resp: 19792

Ion Ratio Lower Upper

248 100

250 210.6 76.5 114.7#

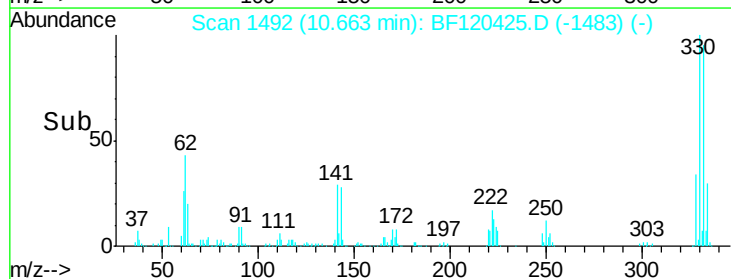
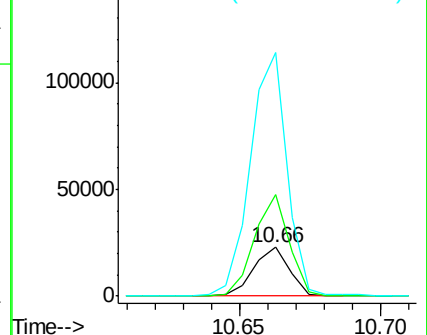
141 502.2 47.2 70.8#

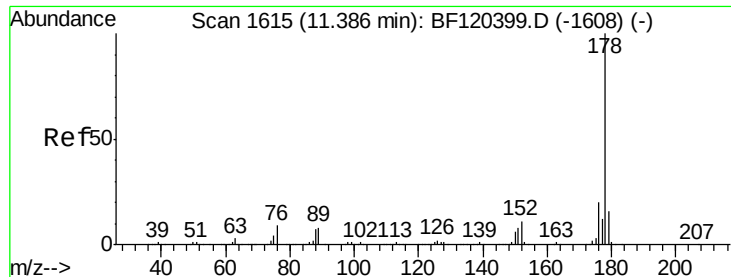


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 12.592 ng

RT: 11.39 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

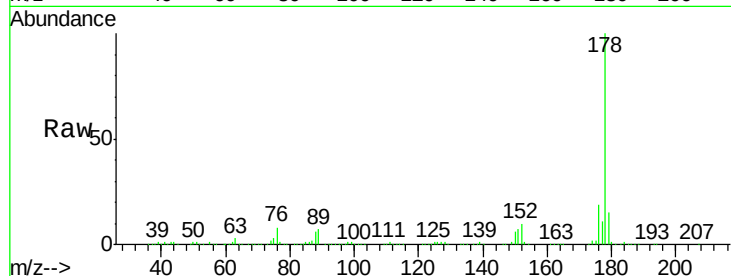
Tot Ion:178 Resp: 344375

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

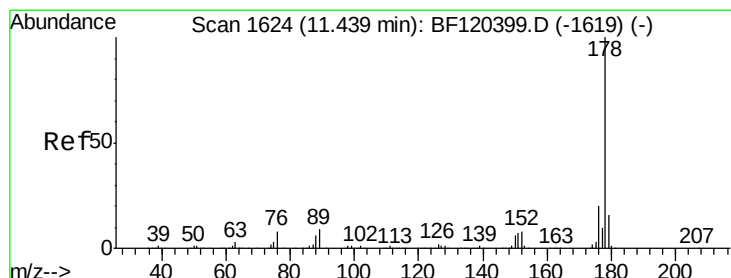
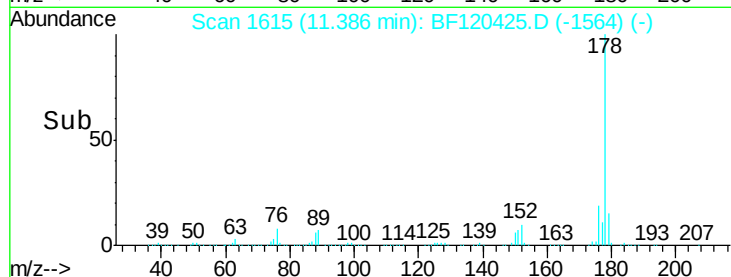
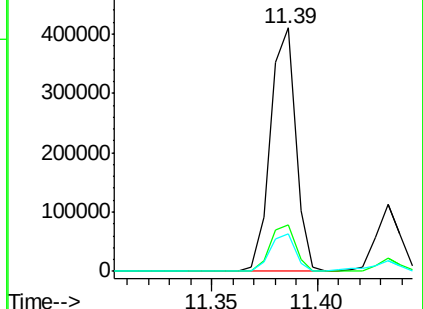
179 15.3 13.0 19.4



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



#72

Anthracene

Concen: 3.182 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

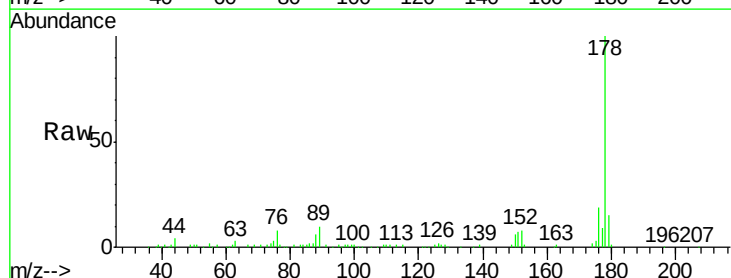
Tgt Ion:178 Resp: 87321

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

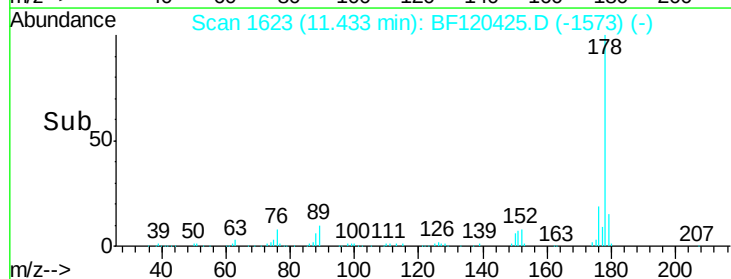
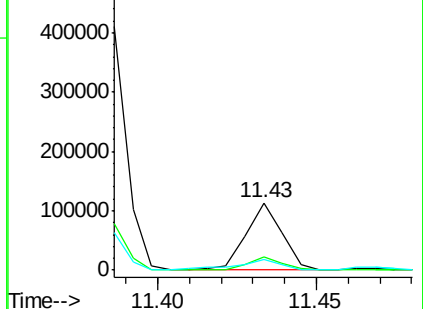
179 15.4 12.8 19.2

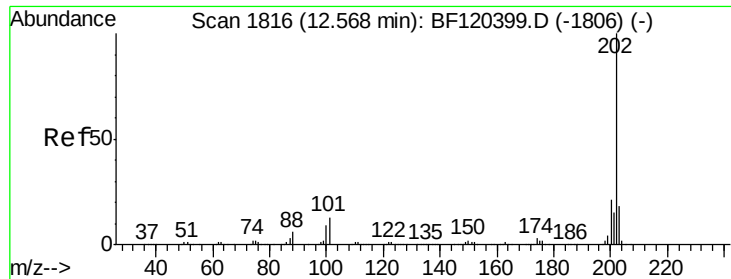


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 19.882 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

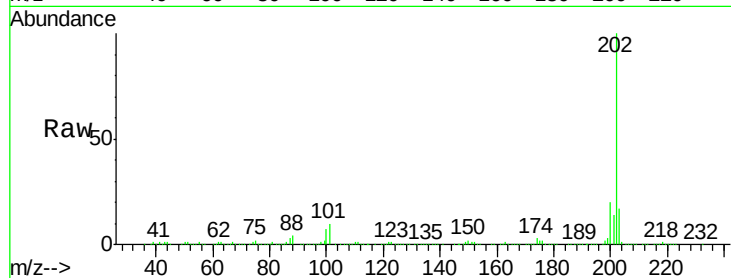
Tot Ion:202 Resp: 585077

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.6

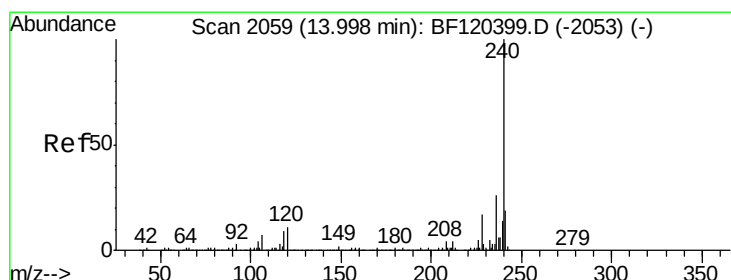
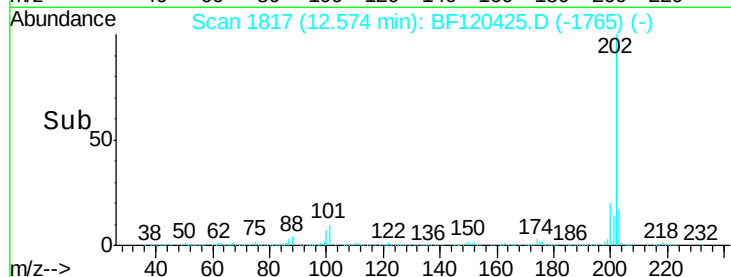
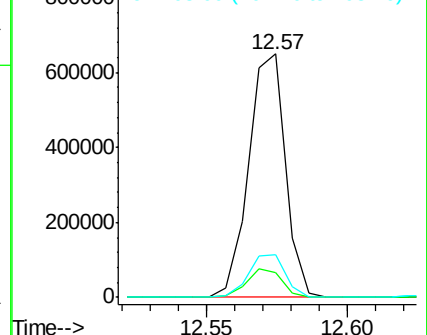
203 17.4 0.0 38.4



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# 2059

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

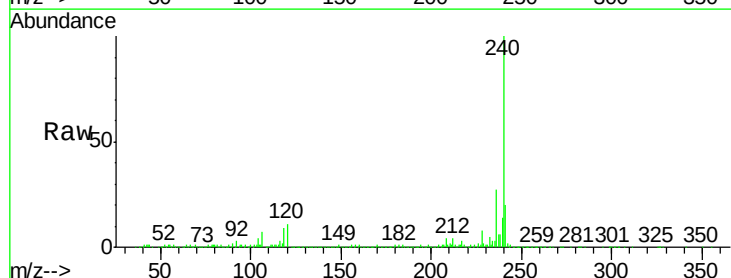
Tgt Ion:240 Resp: 537417

Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

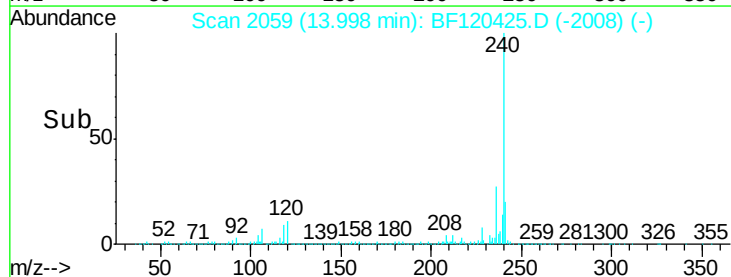
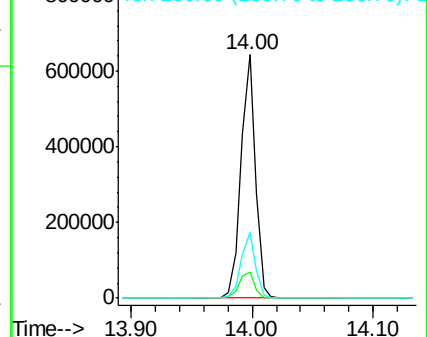
236 26.7 21.0 31.4

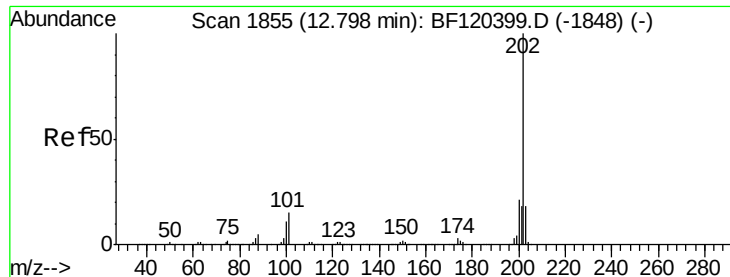


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 14.429 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

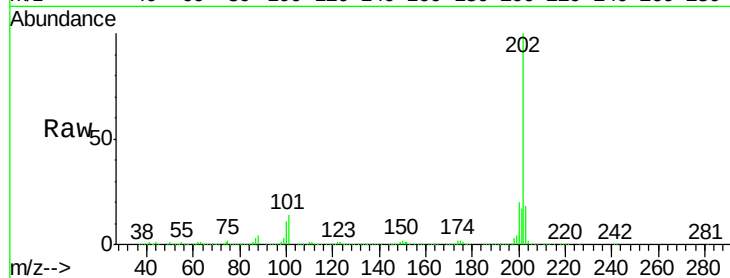
Tot Ion:202 Resp: 539271

Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.4

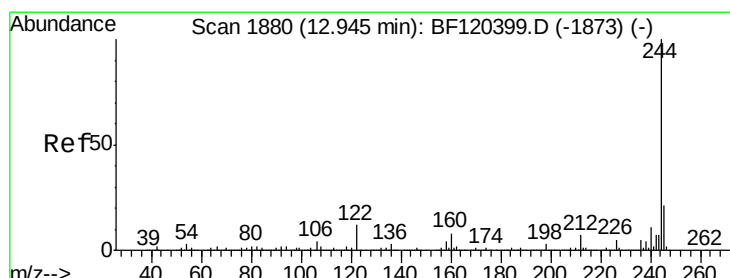
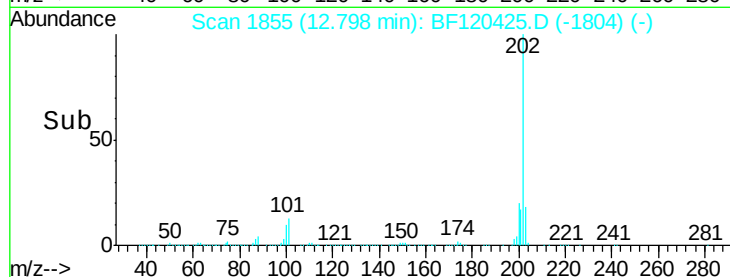
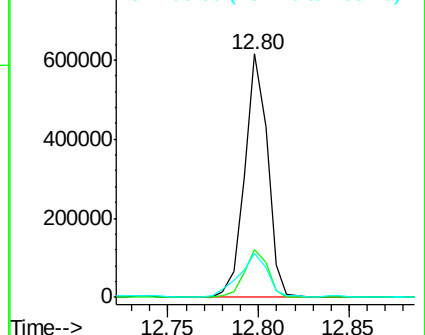
203 17.8 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 65.992 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

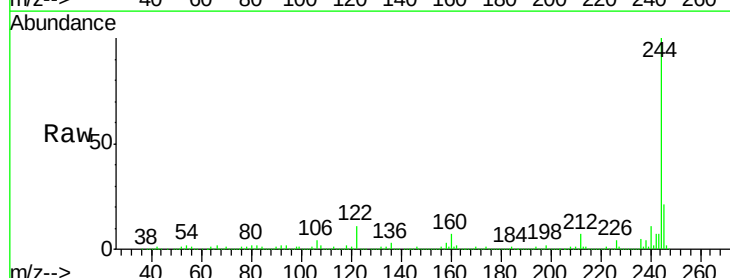
Tgt Ion:244 Resp: 1593762

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

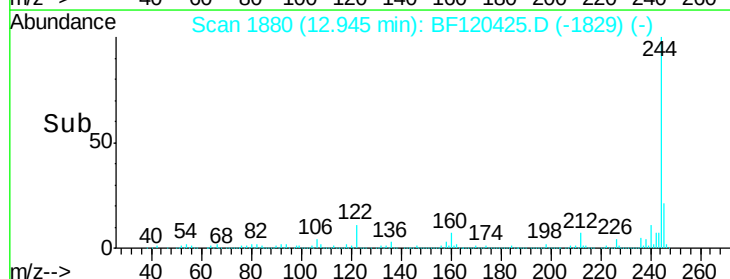
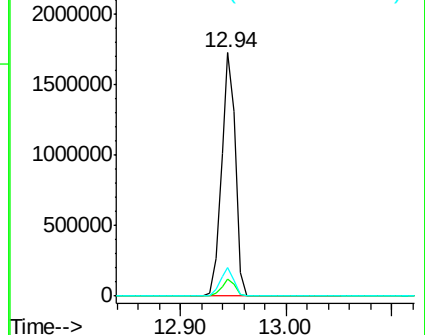
122 11.5 9.2 13.8

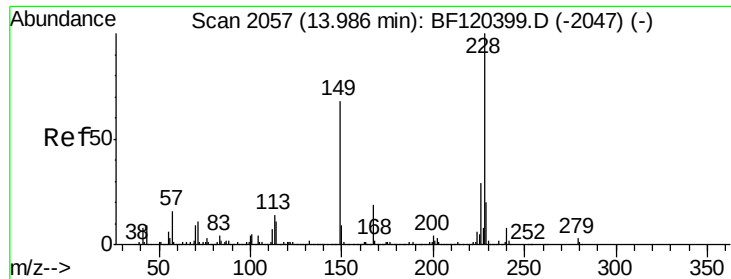


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

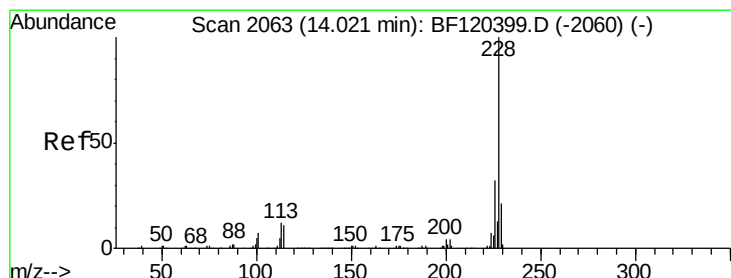
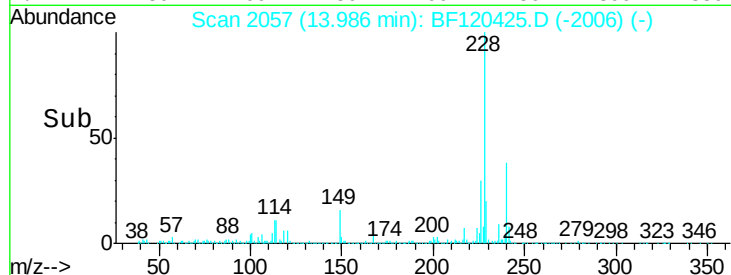
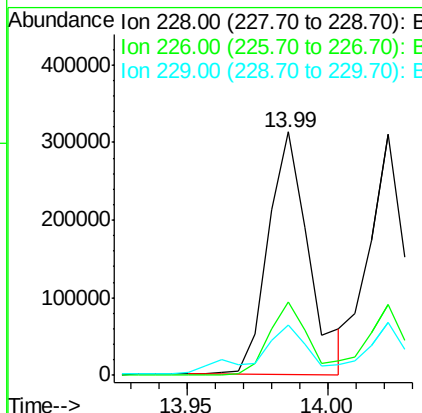
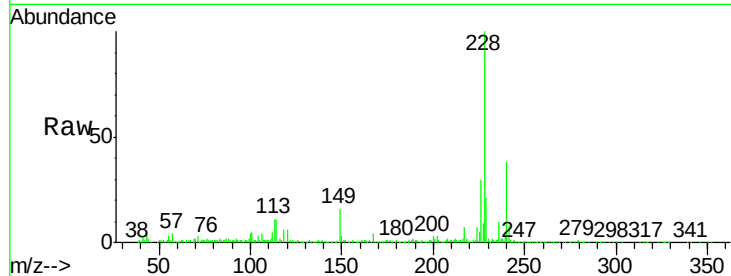




#81
Benzo(a)anthracene
Concen: 10.823 ng
RT: 13.99 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

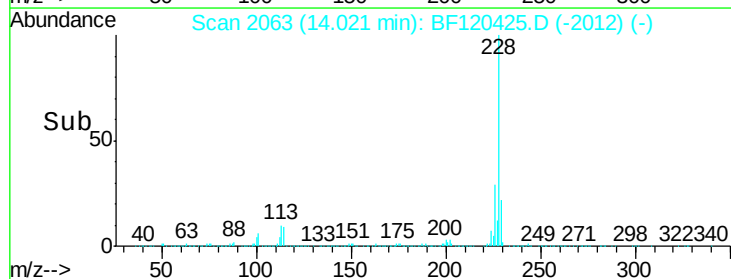
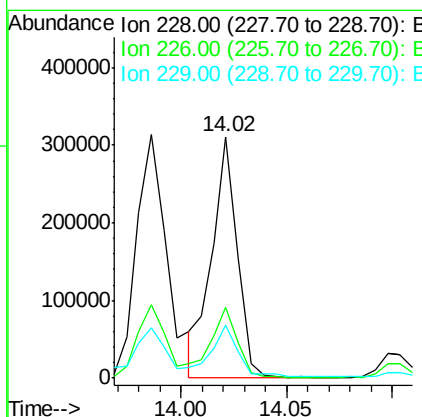
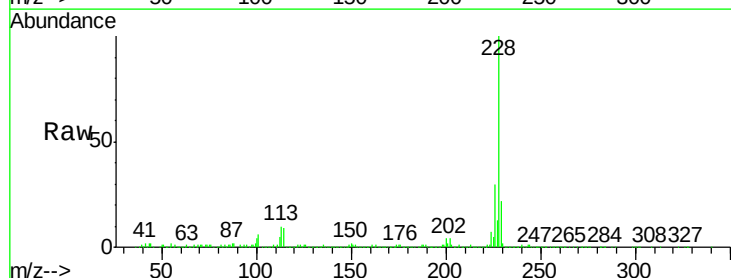
Instrument :
BNA_F
ClientSampleId :
NM77-COMP-2020-0-6

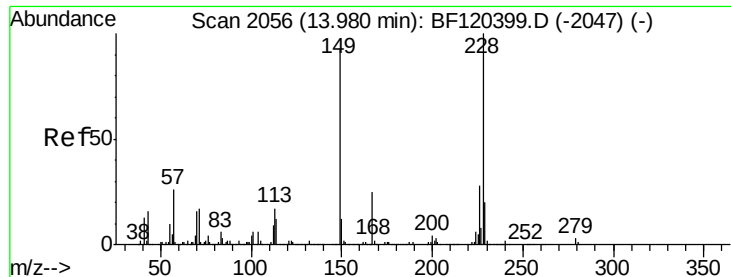
Tot Ion:228 Resp: 311719
Ion Ratio Lower Upper
228 100
226 30.1 23.0 34.4
229 20.7 16.2 24.4



#83
Chrysene
Concen: 8.630 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

Tgt Ion:228 Resp: 260586
Ion Ratio Lower Upper
228 100
226 29.5 25.6 38.4
229 22.1 16.6 25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.049 ng

RT: 13.98 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

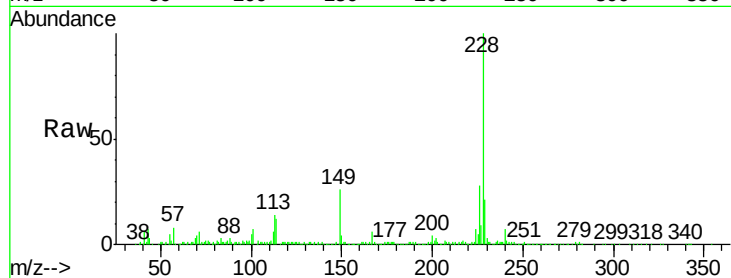
Tot Ion:149 Resp: 55840

Ion Ratio Lower Upper

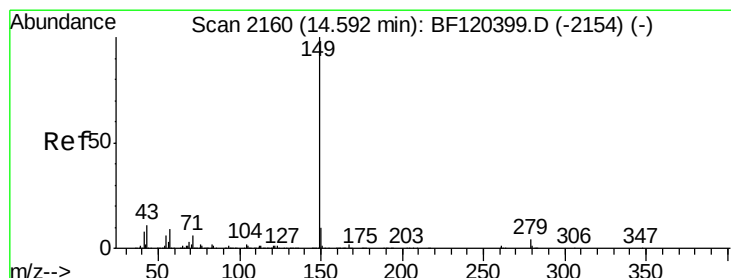
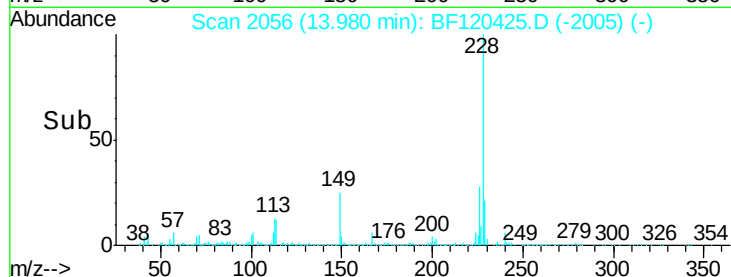
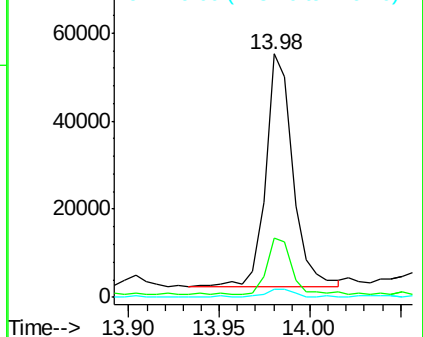
149 100

167 24.3 21.7 32.5

279 3.3 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 22.755 ng

RT: 14.57 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

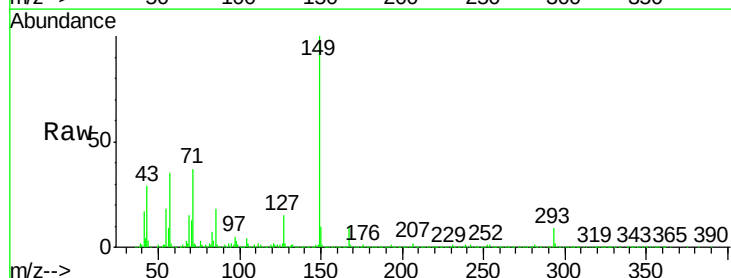
Tgt Ion:149 Resp: 721160

Ion Ratio Lower Upper

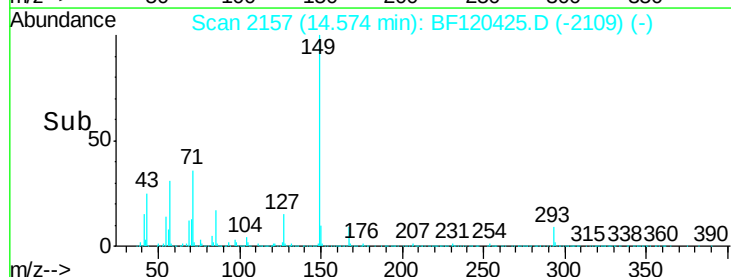
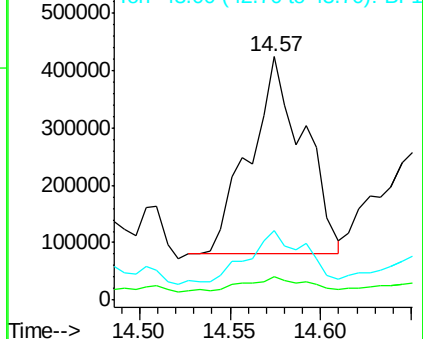
149 100

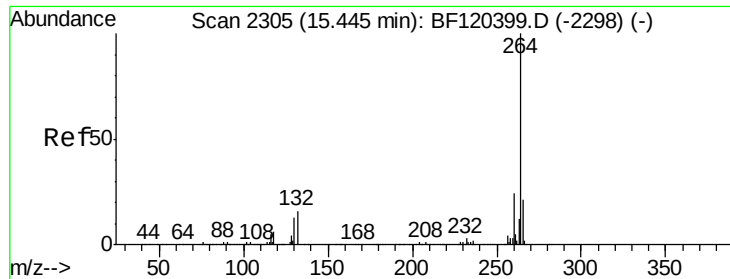
167 9.7 1.2 1.8#

43 26.2 8.1 12.1#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

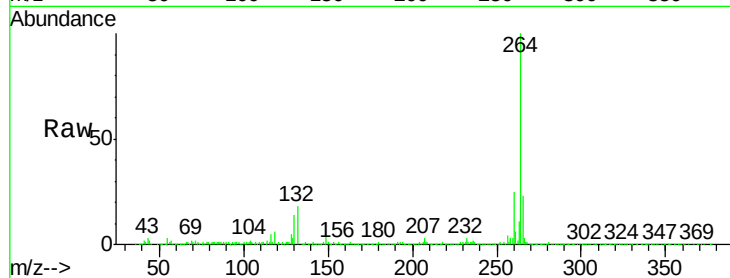




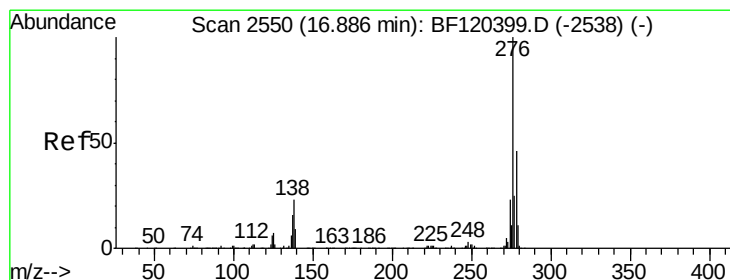
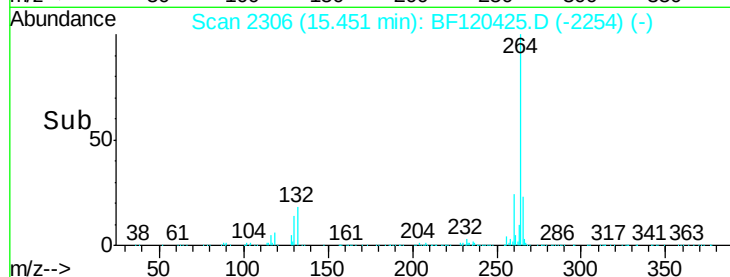
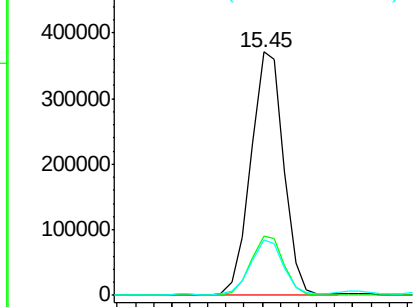
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

Instrument :
BNA_F
ClientSampleId :
NM77-COMP-2020-0-6

Tot Ion:264 Resp: 465904
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.6 16.9 25.3

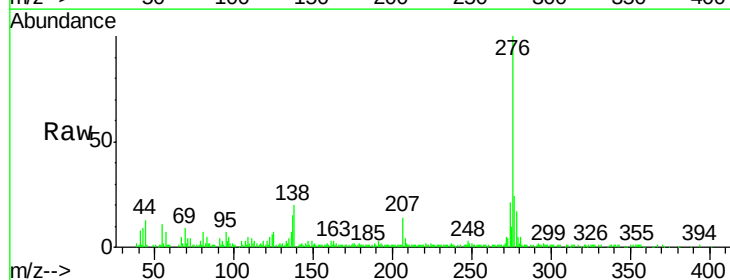


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

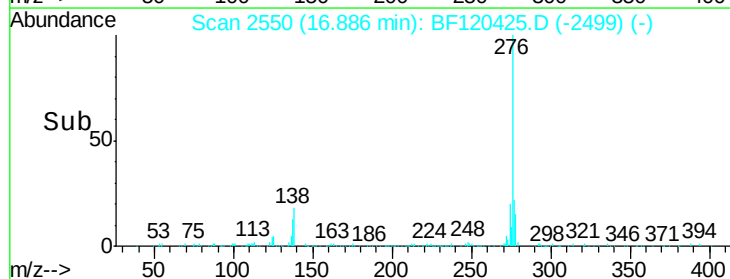
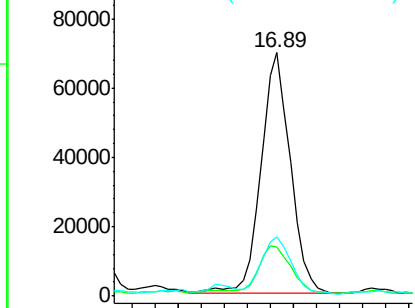


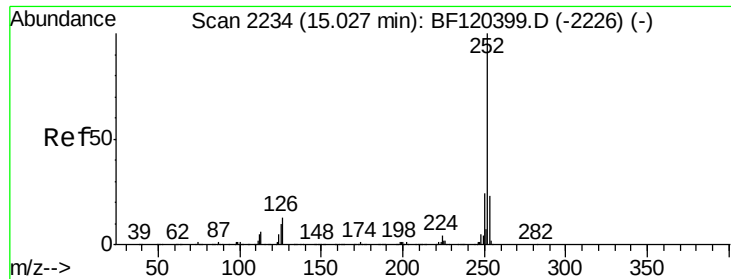
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.877 ng
RT: 16.89 min Scan# 2550
Delta R.T. 0.00 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

Tgt Ion:276 Resp: 124266
Ion Ratio Lower Upper
276 100
138 21.3 20.4 30.6
277 24.5 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

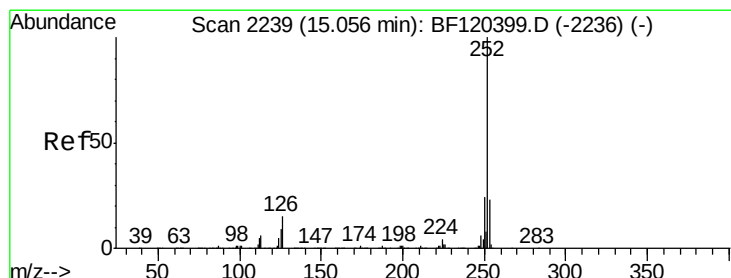
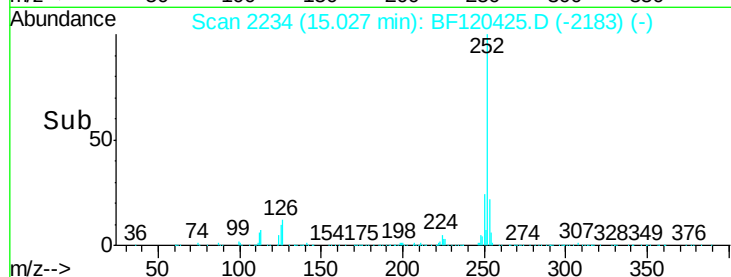
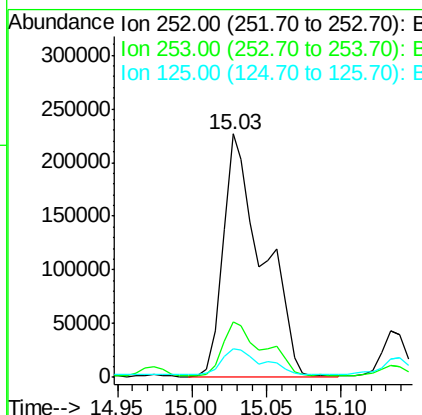
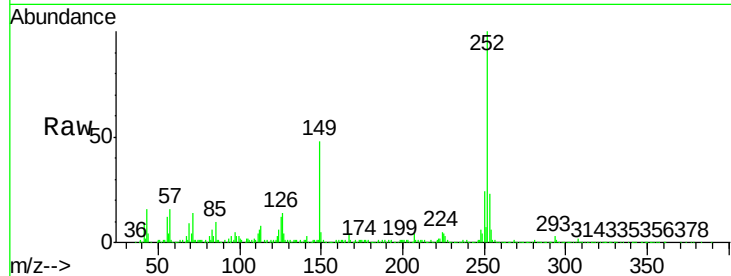




#88
Benzo(b)fluoranthene
Concen: 16.068 ng
RT: 15.03 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

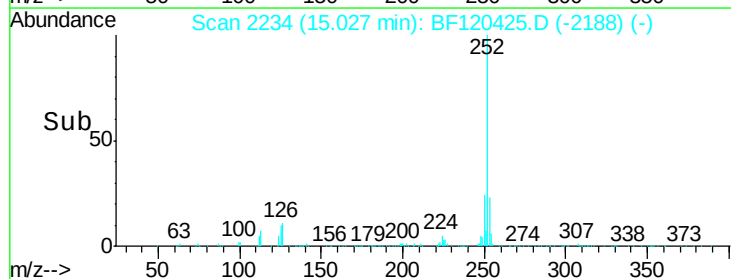
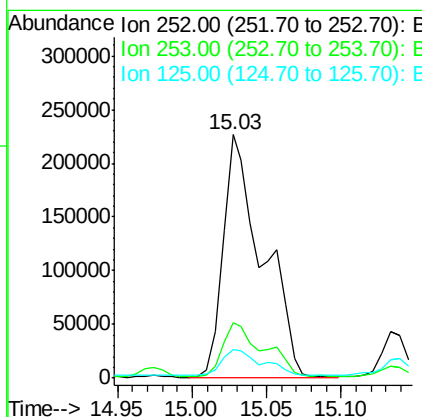
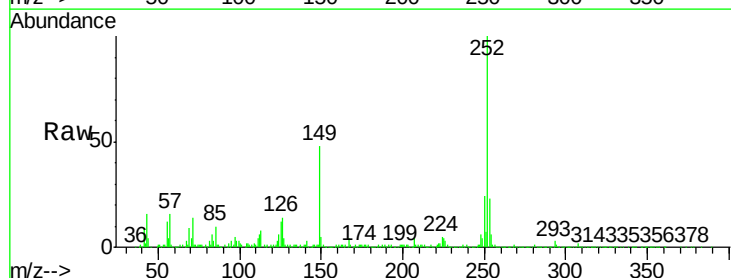
Instrument :
BNA_F
ClientSampleId :
NM77-COMP-2020-0-6

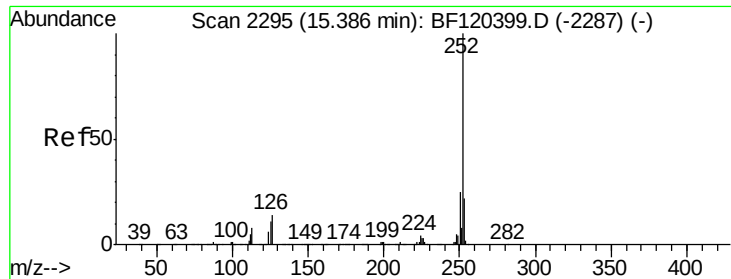
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.6	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 17.212 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120425.D
Acq: 28 May 2020 23:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	11.6	8.0	12.0





#90

Benzo(a)pyrene

Concen: 9.356 ng

RT: 15.39 min Scan# 2295

Delta R.T. 0.00 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

Instrument :

BNA_F

ClientSampleId :

NM77-COMP-2020-0-6

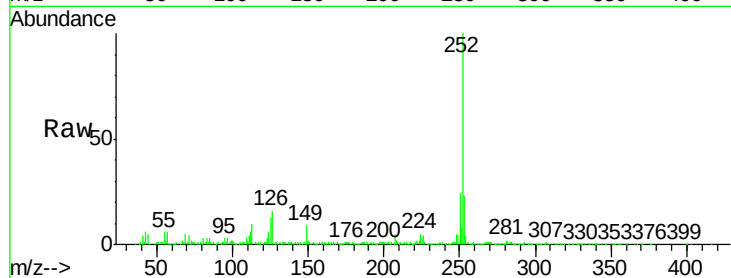
Tot Ion:252 Resp: 211772

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

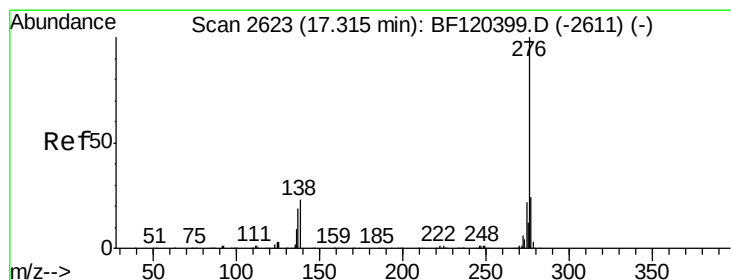
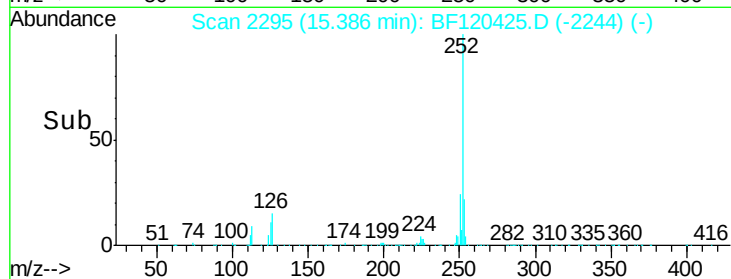
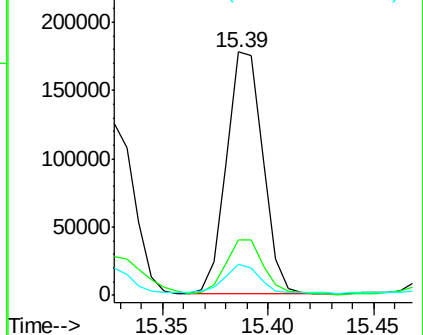
125 12.6 8.7 13.1



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(g,h,i)perylene

Concen: 5.616 ng

RT: 17.32 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF120425.D

Acq: 28 May 2020 23:21

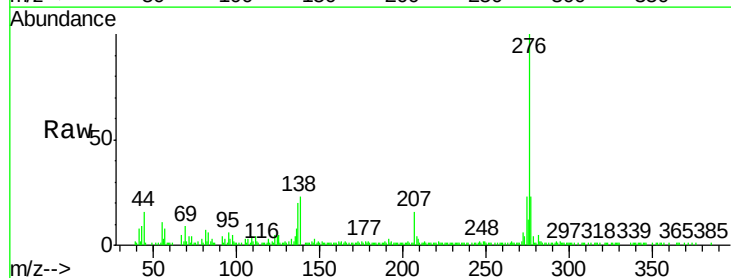
Tgt Ion:276 Resp: 115080

Ion Ratio Lower Upper

276 100

277 22.7 19.5 29.3

138 22.7 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

