

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120522.D
 Acq On : 3 Jun 2020 21:05
 Operator : JU/CG
 Sample : L2839-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM6-COMP-2020-0-6

Quant Time: Jun 04 00:42:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	140215	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	512192	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	254757	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	448345	20.00	ng	0.00
76) Chrysene-d12	14.00	240	360034	20.00	ng	-0.01
86) Perylene-d12	15.46	264	317155	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	682920	92.82	ng	0.00
7) Phenol-d6	6.47	99	871536	96.10	ng	0.00
23) Nitrobenzene-d5	7.40	82	594652	75.94	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	259417	109.90	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1149942	76.59	ng	0.00
79) Terphenyl-d14	12.94	244	1146414	70.86	ng	0.00

Target Compounds

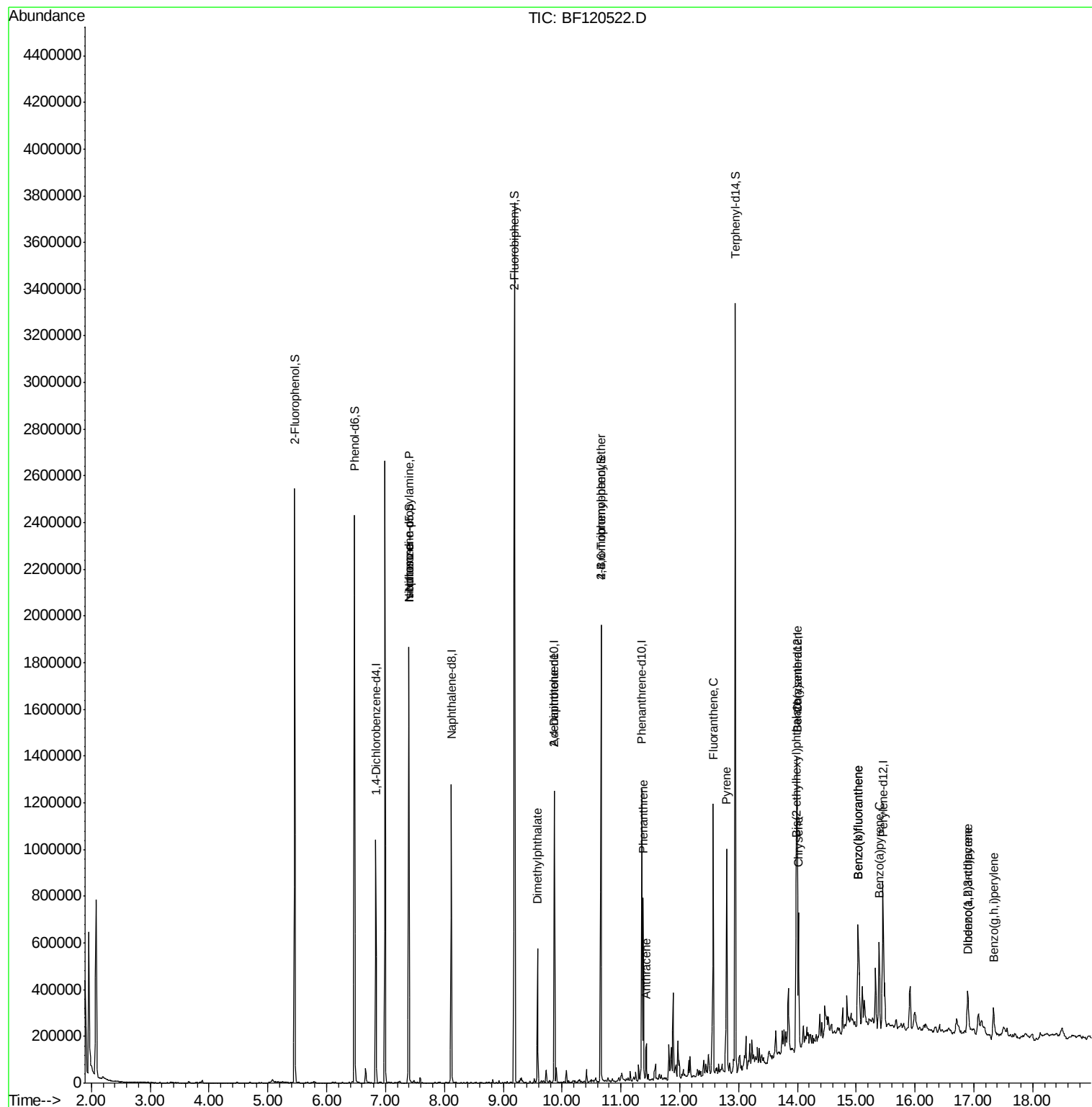
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	80787	14.014	ng	# 75
25) Isophorone	7.40	82	592059	37.621	ng	# 64
50) Dimethylphthalate	9.59	163	235447	14.783	ng	99
57) 2,4-Dinitrotoluene	9.87	165	33141	7.316	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	15342	3.390	ng	# 1
71) Phenanthrene	11.38	178	254895	12.903	ng	97
72) Anthracene	11.43	178	58856	2.969	ng	96
75) Fluoranthene	12.57	202	465886	21.917	ng	99
78) Pyrene	12.80	202	405138	16.181	ng	98
81) Benzo(a)anthracene	13.99	228	243272	12.607	ng	99
83) Chrysene	14.02	228	208735	10.318	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	111083	9.053	ng	98
87) Indeno(1,2,3-cd)pyrene	16.89	276	117271	6.760	ng	# 94
88) Benzo(b)fluoranthene	15.03	252	348465	19.781	ng	# 98
89) Benzo(k)fluoranthene	15.03	252	348465	21.190	ng	# 97
90) Benzo(a)pyrene	15.39	252	178572	11.589	ng	98
91) Dibenzo(a,h)anthracene	16.91	278	29959	2.118	ng	# 85
92) Benzo(g,h,i)perylene	17.33	276	102485	7.347	ng	99

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

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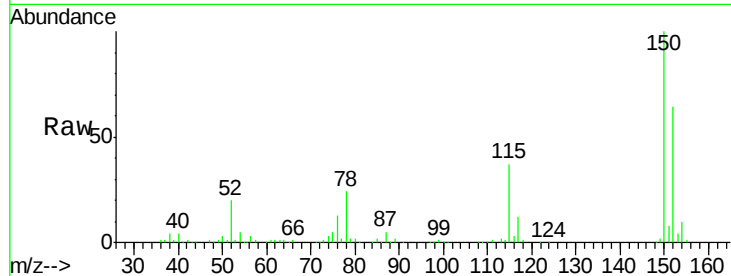


#1

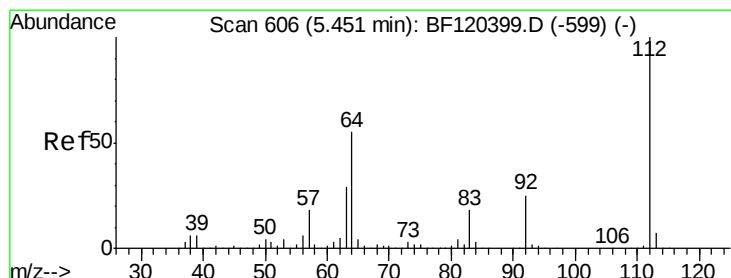
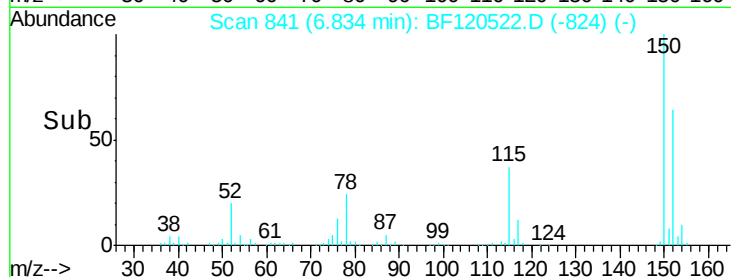
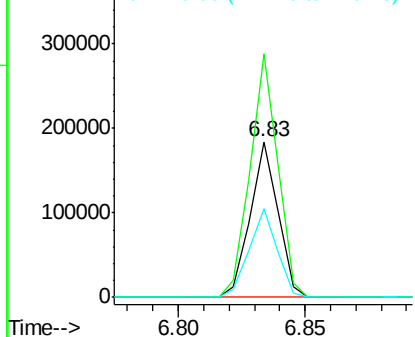
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6

Tot Ion:152 Resp: 140215
Ion Ratio Lower Upper
152 100
150 156.6 127.1 190.7
115 57.3 48.7 73.1



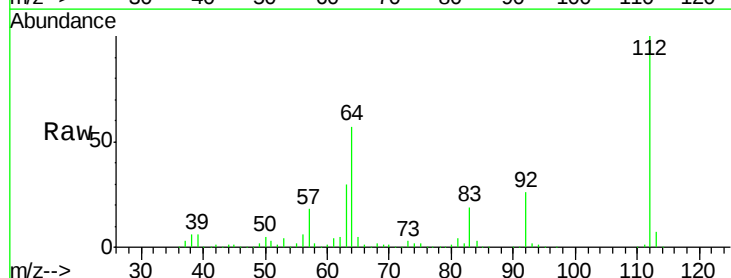
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



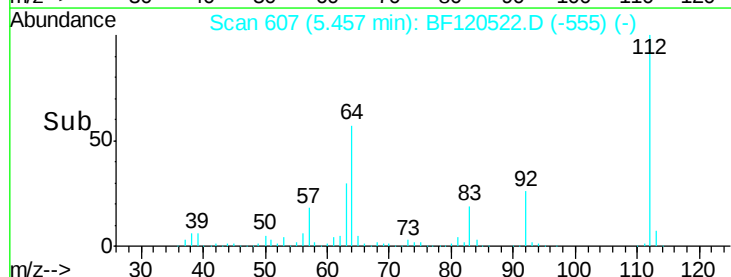
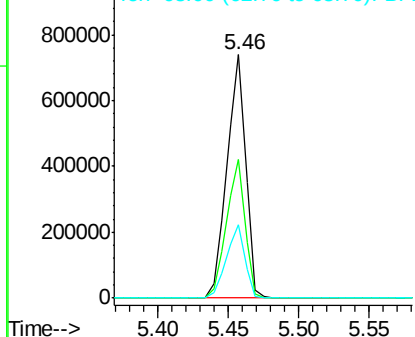
#5

2-Fluorophenol
Concen: 92.820 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Tgt Ion:112 Resp: 682920
Ion Ratio Lower Upper
112 100
64 57.2 45.8 68.8
63 29.9 23.7 35.5



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: 96.105 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

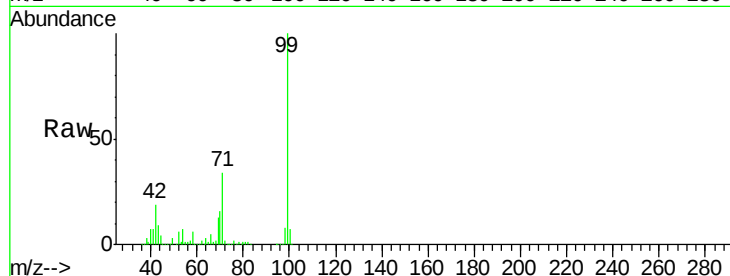
Tot Ion: 99 Resp: 871536

Ion Ratio Lower Upper

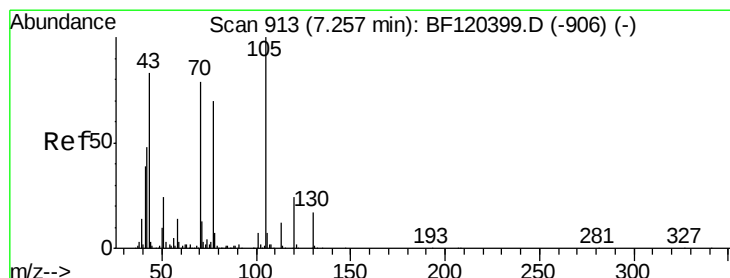
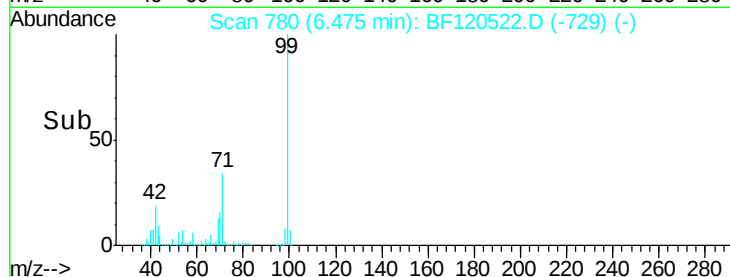
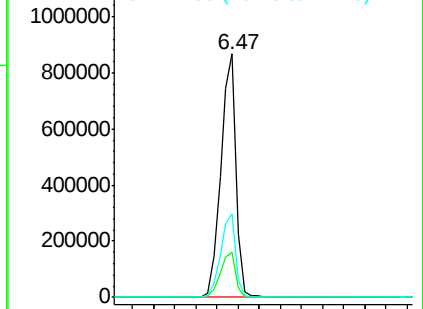
99 100

42 18.6 15.0 22.4

71 34.2 26.3 39.5



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: 14.014 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Tgt Ion: 70 Resp: 80787

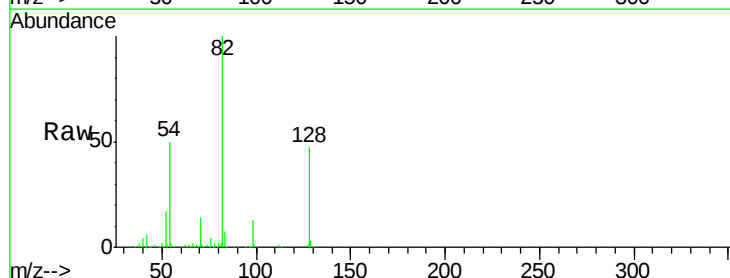
Ion Ratio Lower Upper

70 100

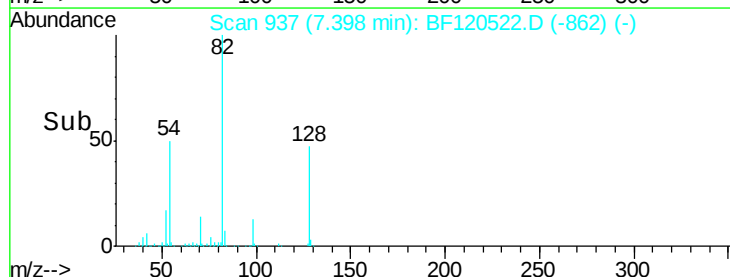
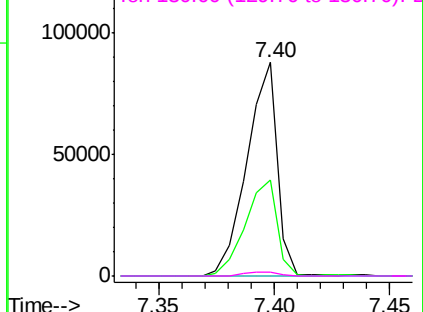
42 44.9 47.6 71.4#

101 0.0 7.4 11.0#

130 2.1 17.1 25.7#



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

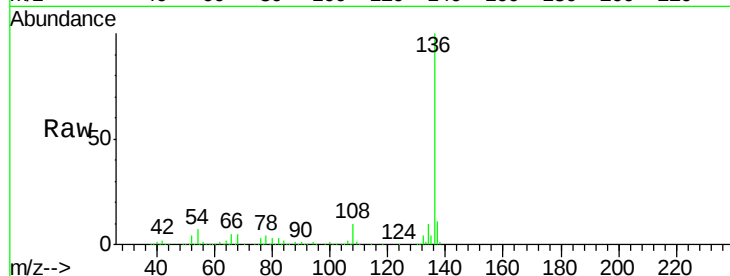




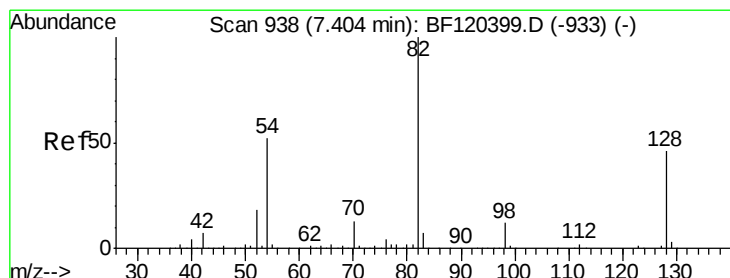
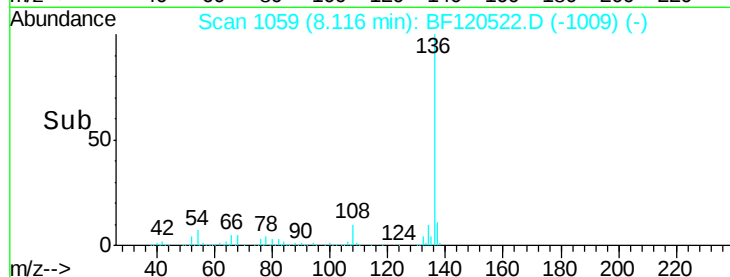
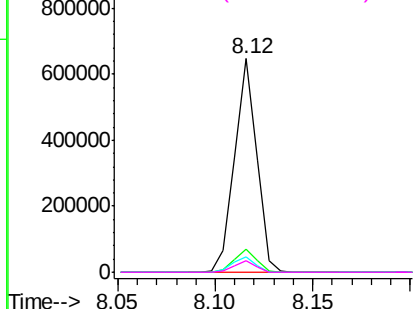
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6

Tot Ion:136	Resp:	512192
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.4
54	7.3	6.0 9.0
68	5.2	4.8 7.2

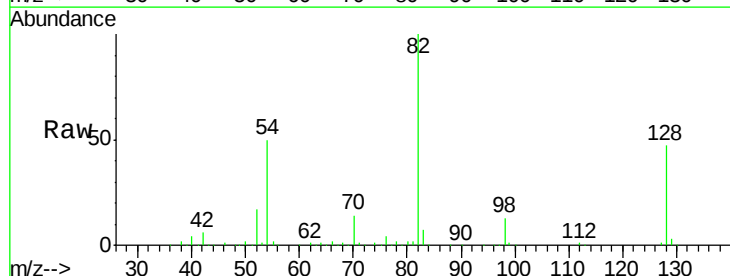


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

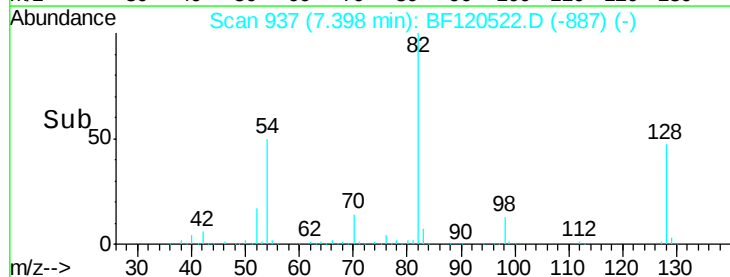
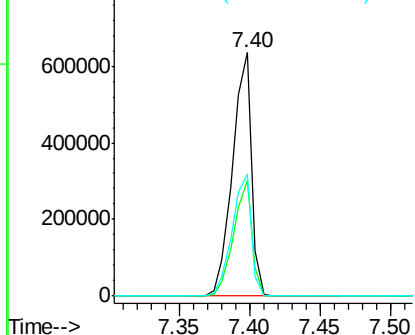


#23
Nitrobenzene-d5
Concen: 75.944 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Tgt Ion: 82	Resp:	594652
Ion	Ratio	Lower Upper
82	100	
128	47.5	37.4 56.0
54	49.9	40.7 61.1



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.621 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

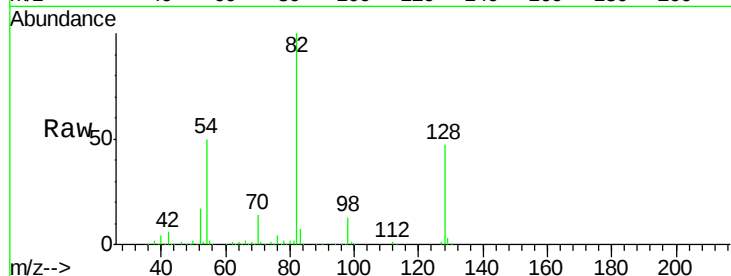
Tot Ion: 82 Resp: 592059

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

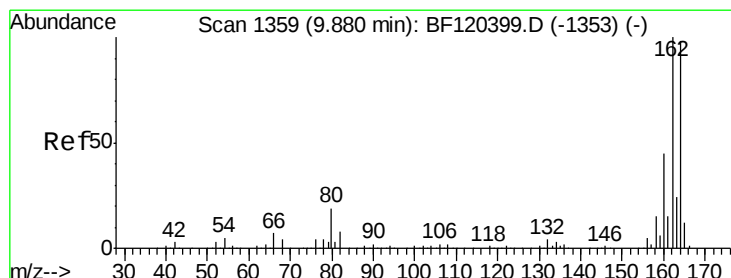
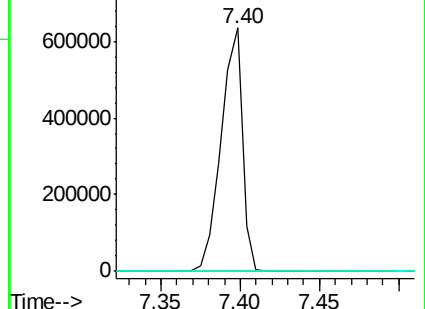
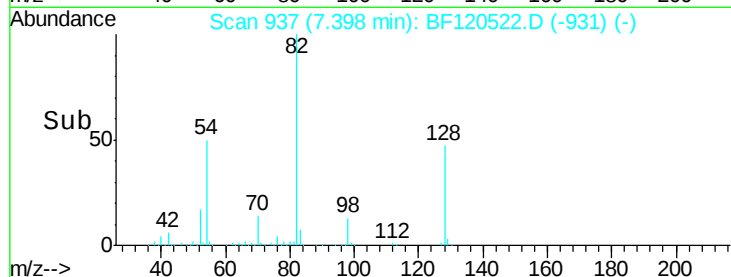
138 0.0 15.0 22.6#



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# 1357

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

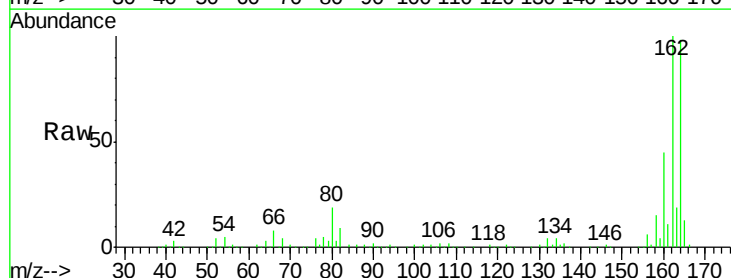
Tgt Ion: 164 Resp: 254757

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.6

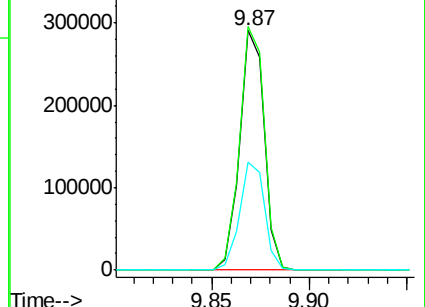
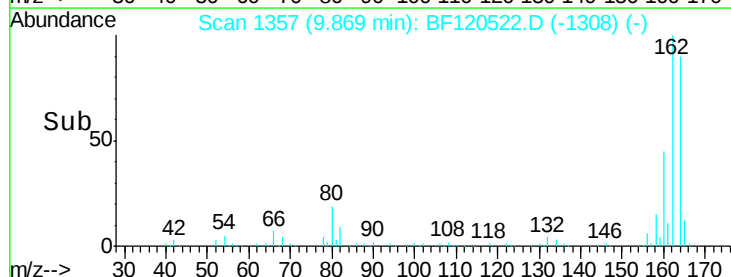
160 45.3 37.3 55.9



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

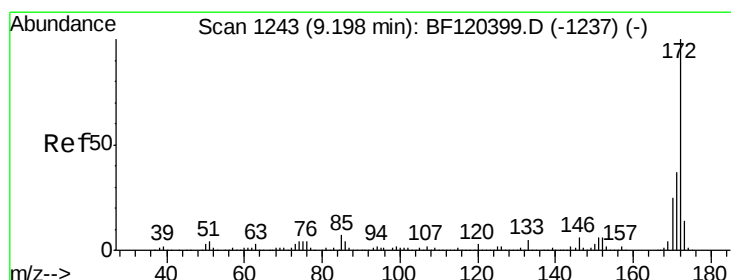
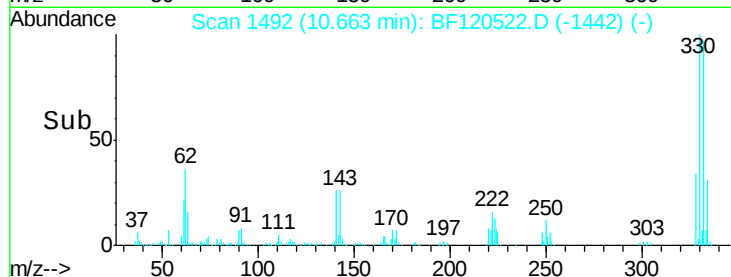
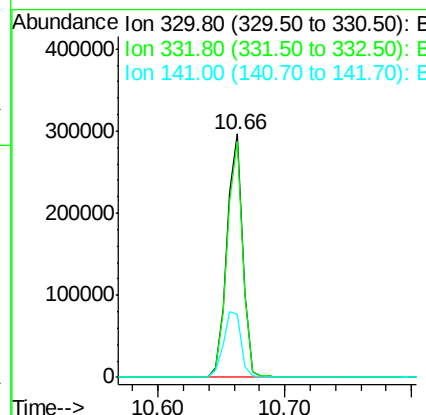
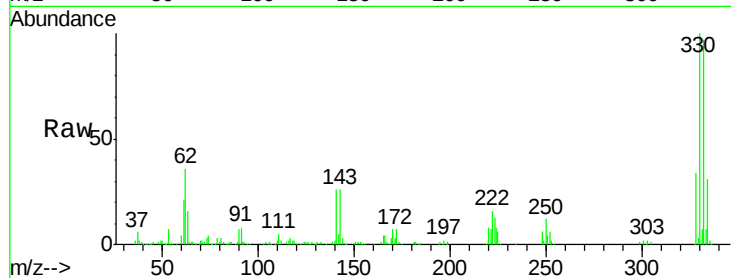




#42
 2,4,6-Tribromophenol
 Concen: 109.902 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120522.D
 Acq: 3 Jun 2020 21:05

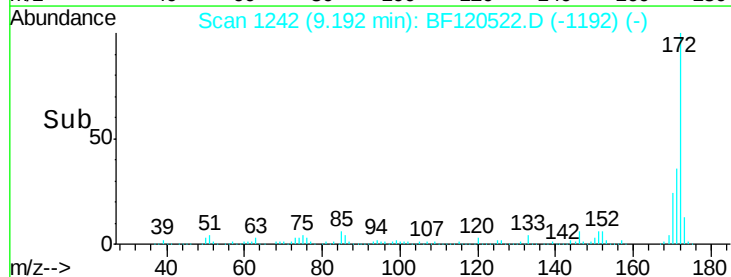
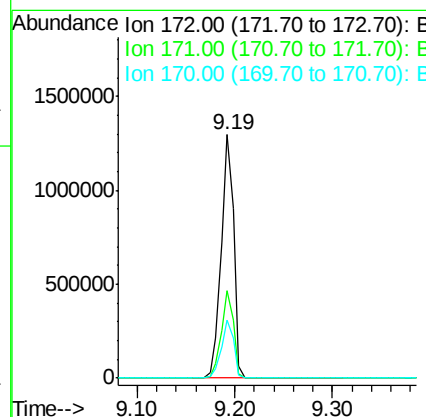
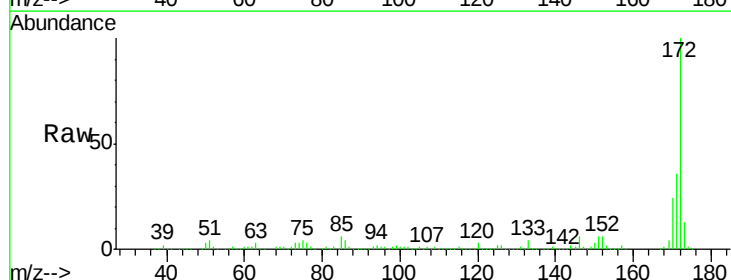
Instrument :
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 NM6-COMP-2020-0-6

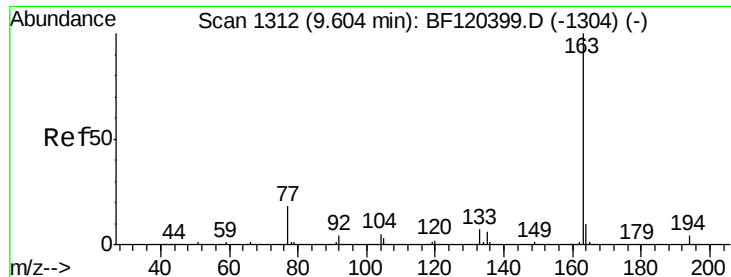
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	30.0	23.5	35.3



#45
 2-Fluorobiphenyl
 Concen: 76.587 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120522.D
 Acq: 3 Jun 2020 21:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	23.9	20.1	30.1

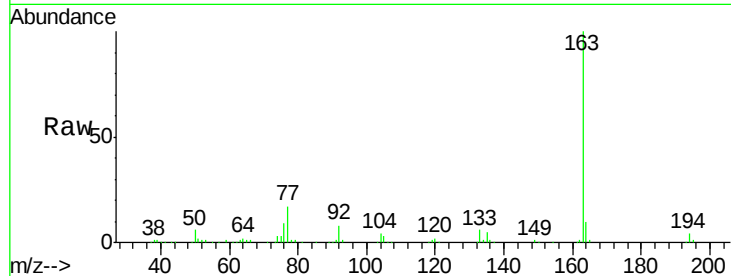




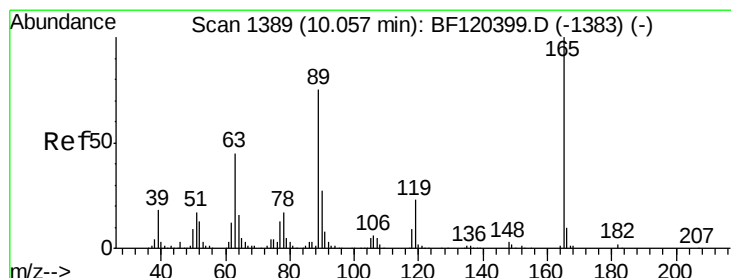
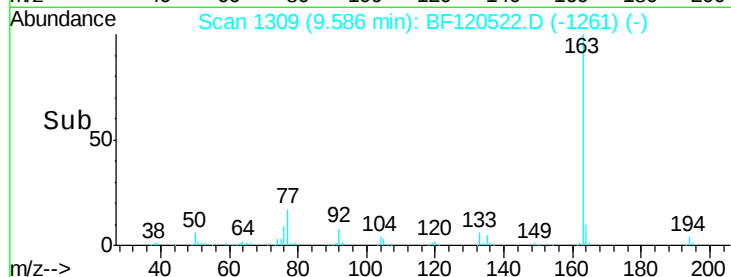
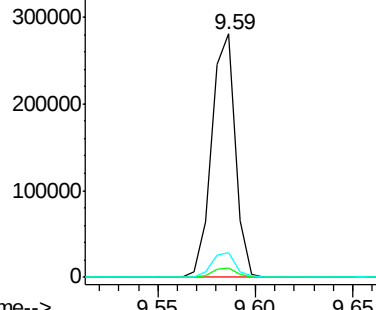
#50
Dimethylphthalate
Concen: 14.783 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.9	8.2	12.4

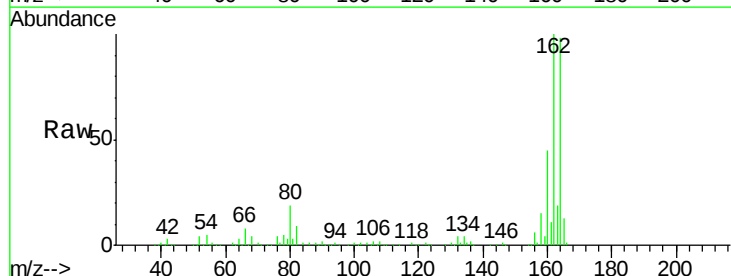


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

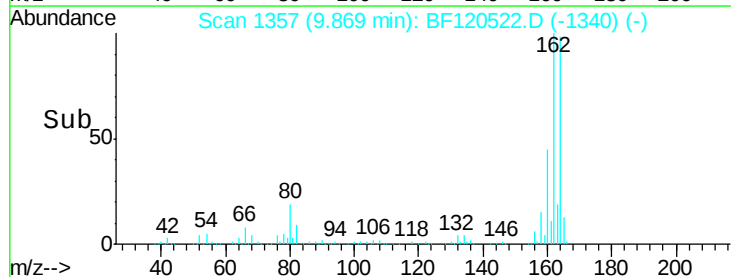
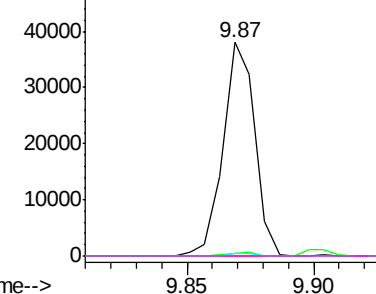


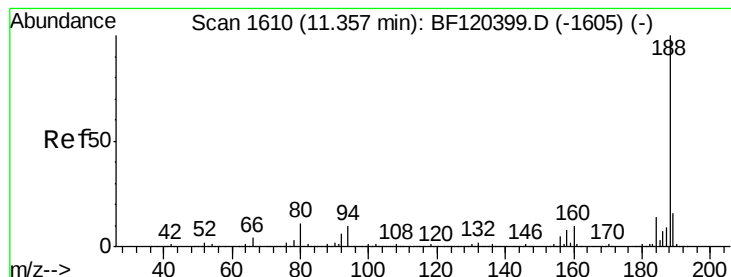
#57
2,4-Dinitrotoluene
Concen: 7.316 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.4	50.0#
89	1.1	54.7	82.1#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

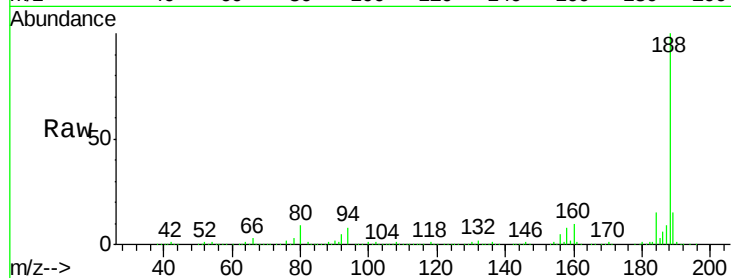
Tot Ion:188 Resp: 448345

Ion Ratio Lower Upper

188 100

94 8.3 7.5 11.3

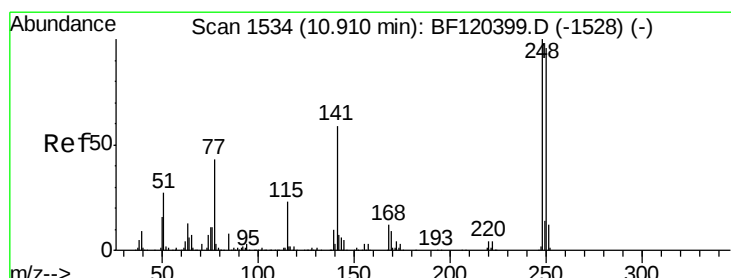
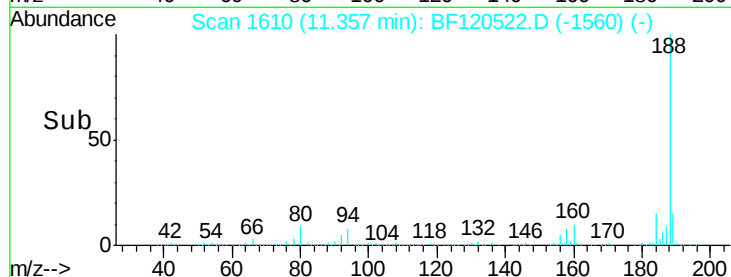
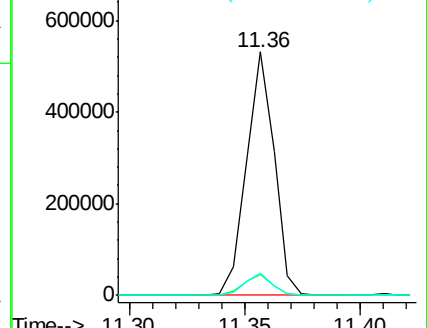
80 8.9 7.9 11.9



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: 3.390 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

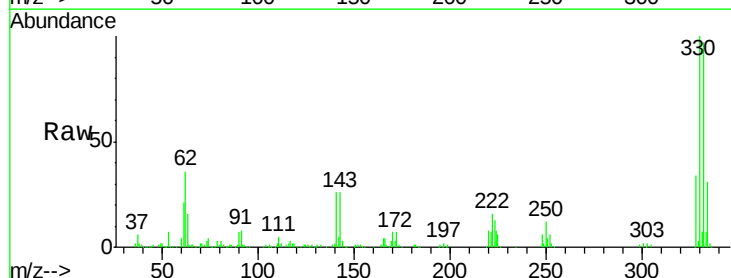
Tgt Ion:248 Resp: 15342

Ion Ratio Lower Upper

248 100

250 200.4 78.0 117.0#

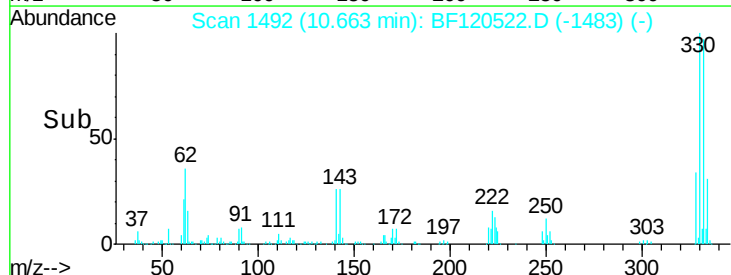
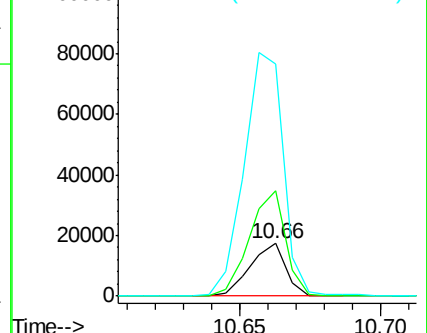
141 442.0 50.3 75.5#

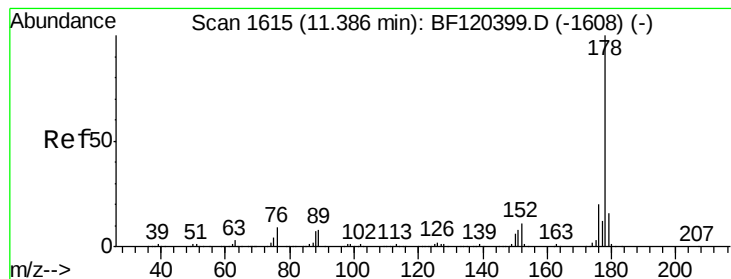


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 12.903 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

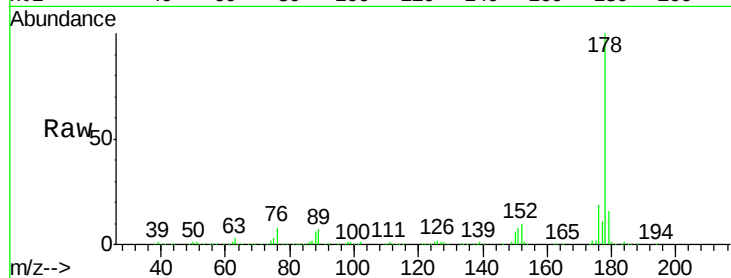
Tot Ion:178 Resp: 254895

Ion Ratio Lower Upper

178 100

176 18.9 16.6 24.8

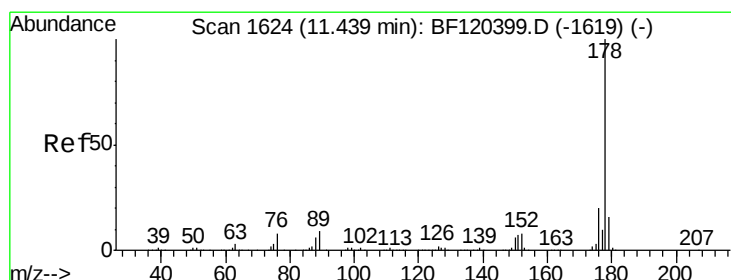
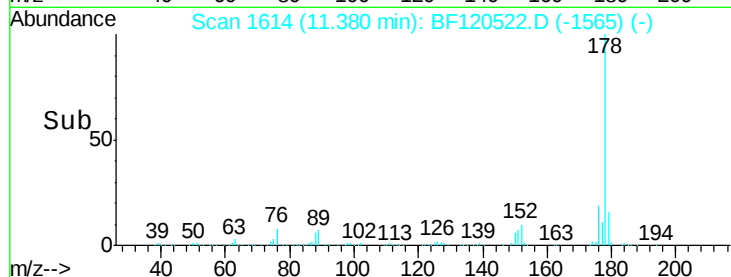
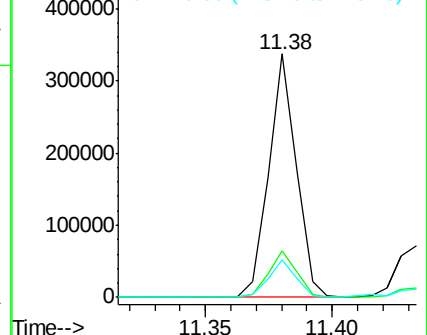
179 15.7 13.0 19.4



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: 2.969 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

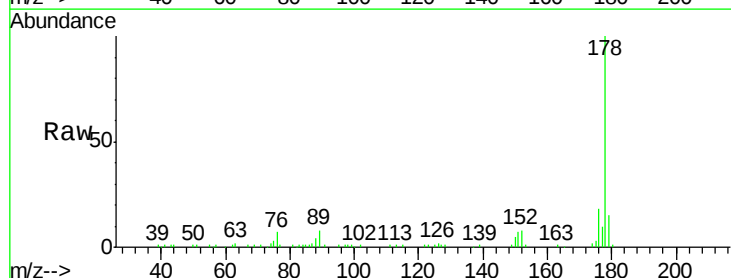
Tgt Ion:178 Resp: 58856

Ion Ratio Lower Upper

178 100

176 17.8 15.7 23.5

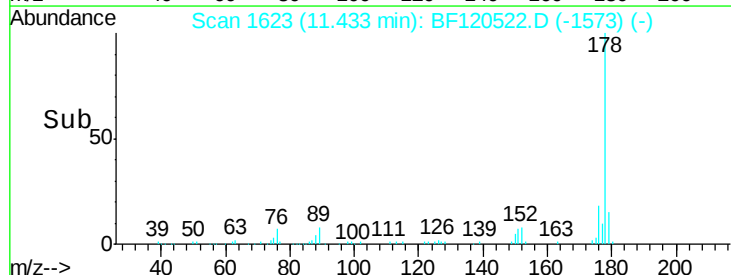
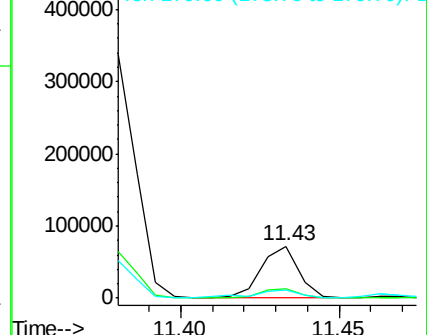
179 15.2 13.1 19.7

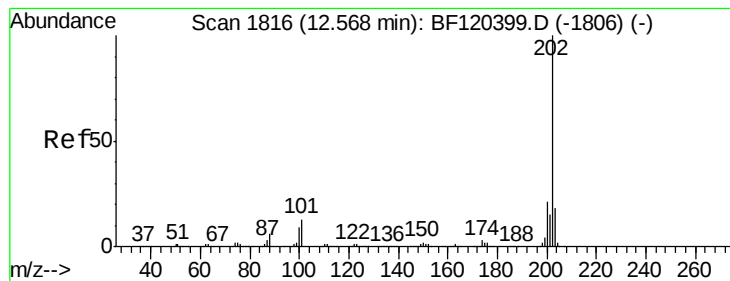


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.917 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

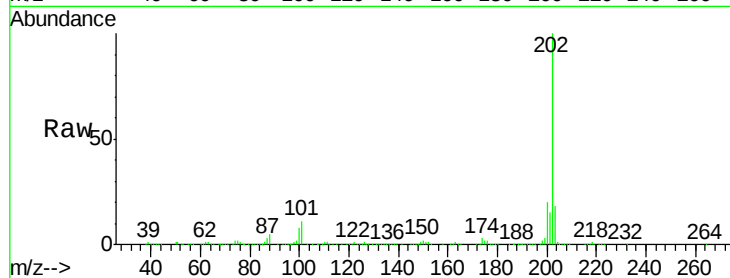
Tot Ion:202 Resp: 465886

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.4

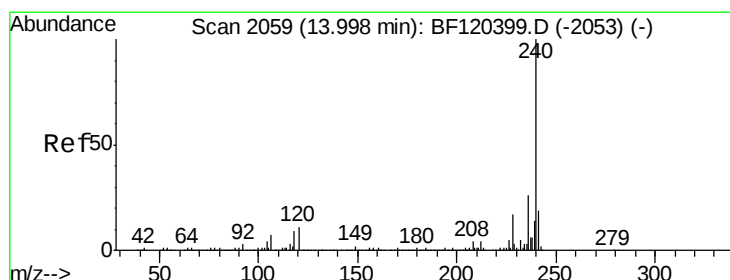
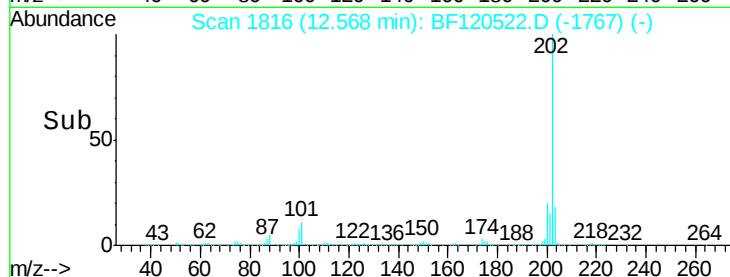
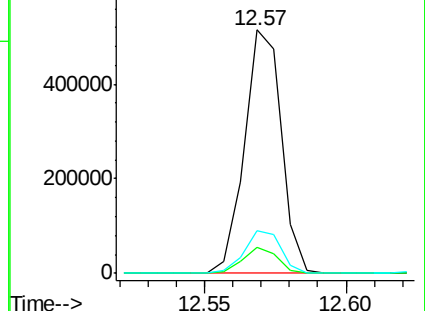
203 17.8 0.0 38.2



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. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

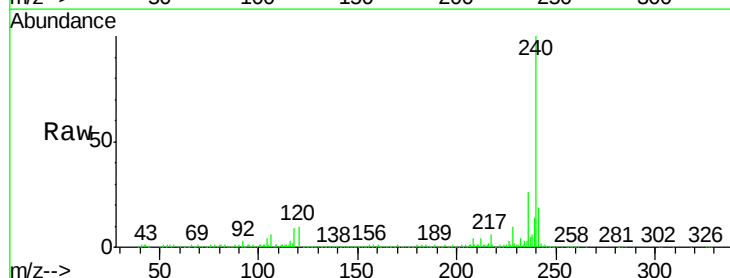
Tgt Ion:240 Resp: 360034

Ion Ratio Lower Upper

240 100

120 10.1 7.9 11.9

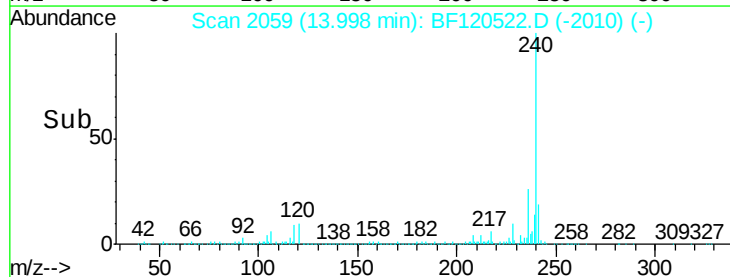
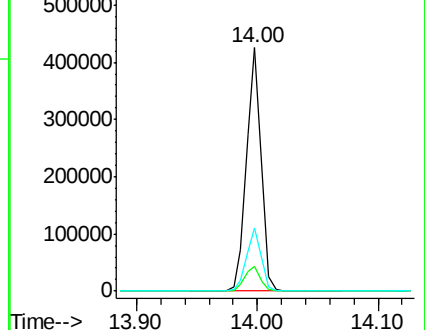
236 25.8 21.1 31.7

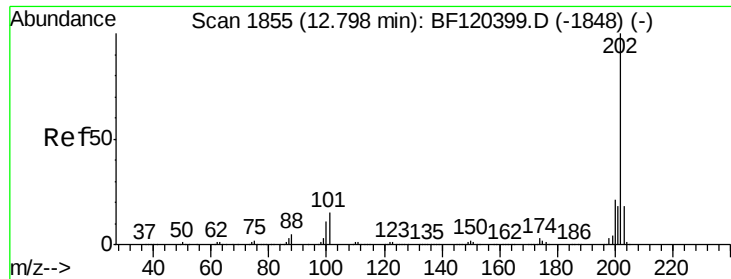


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

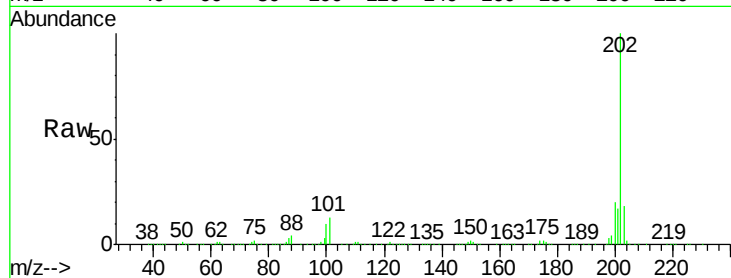




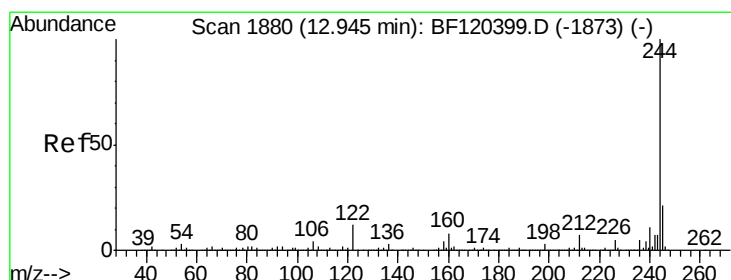
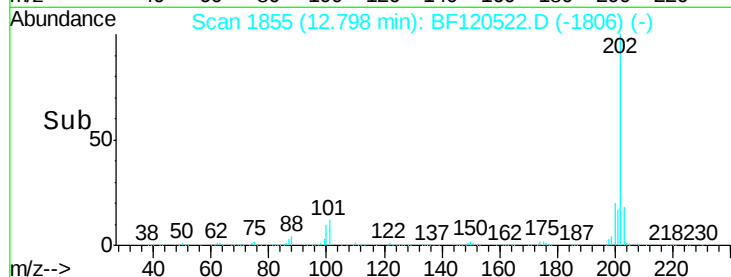
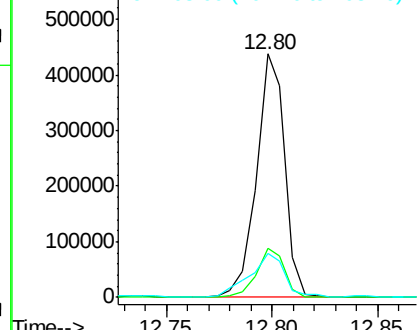
#78
Pvrene
Concen: 16.181 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.3	25.9
203	18.2	14.5	21.7

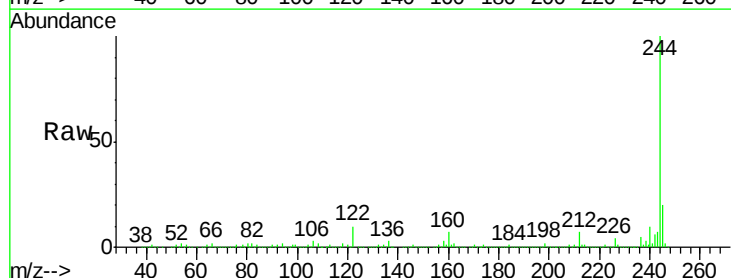


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

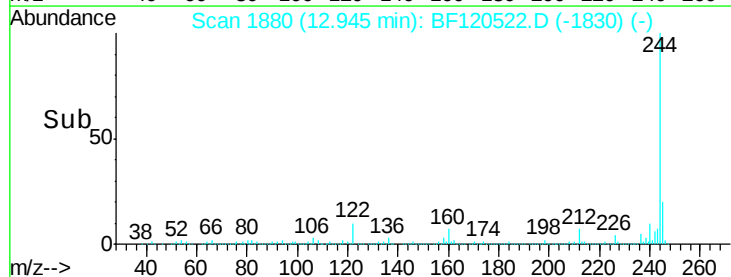
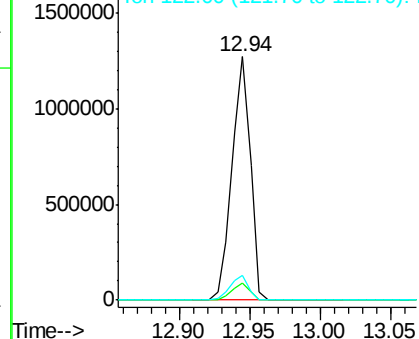


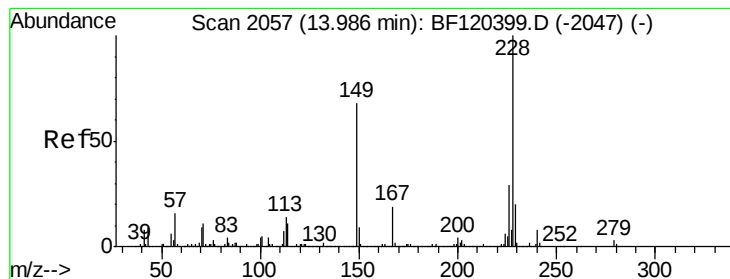
#79
Terphenyl-d14
Concen: 70.856 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.2	8.2	12.4



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: 12.607 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

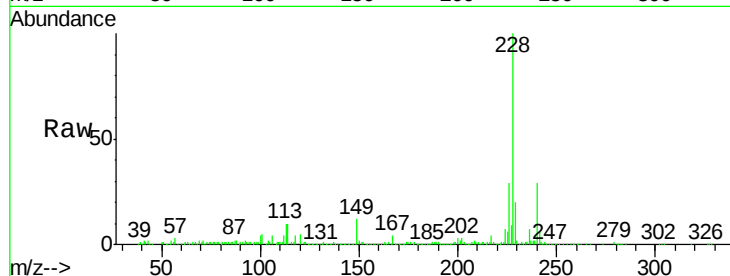
Tot Ion:228 Resp: 243272

Ion Ratio Lower Upper

228 100

226 29.5 22.7 34.1

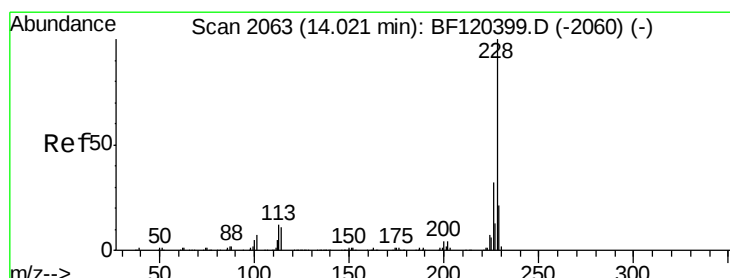
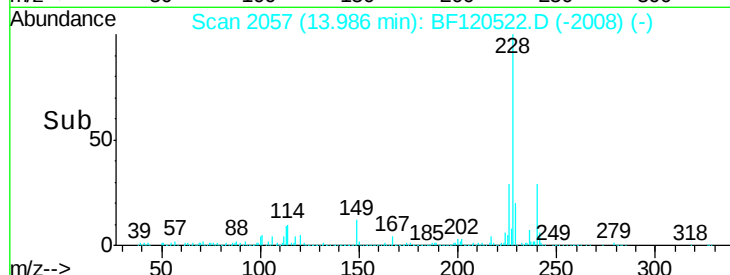
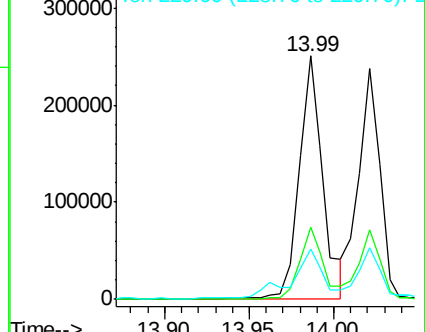
229 20.5 16.3 24.5



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: 10.318 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

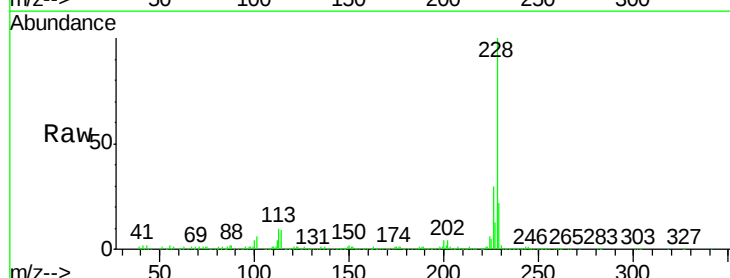
Tgt Ion:228 Resp: 208735

Ion Ratio Lower Upper

228 100

226 30.2 25.2 37.8

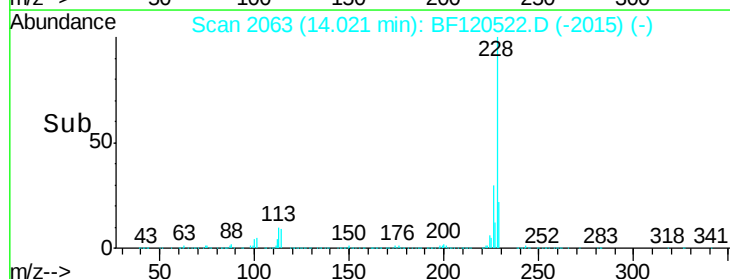
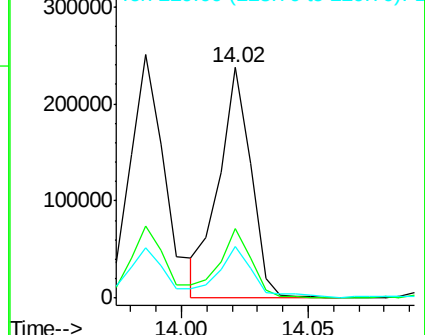
229 22.2 16.1 24.1

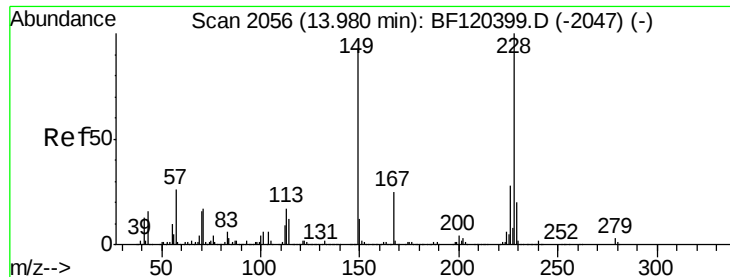


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.053 ng

RT: 13.97 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

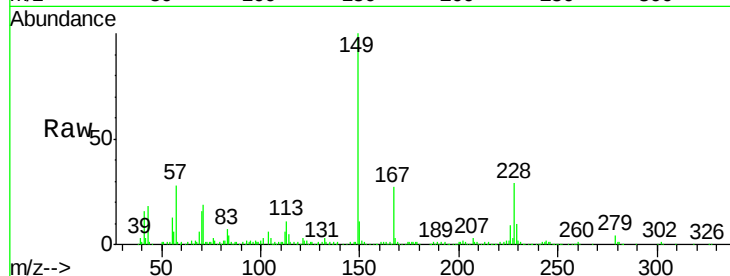
Tot Ion:149 Resp: 111083

Ion Ratio Lower Upper

149 100

167 26.5 22.0 33.0

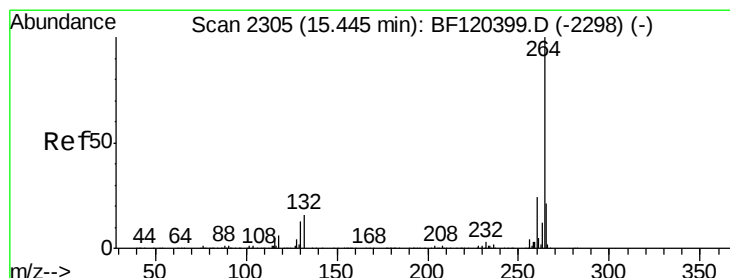
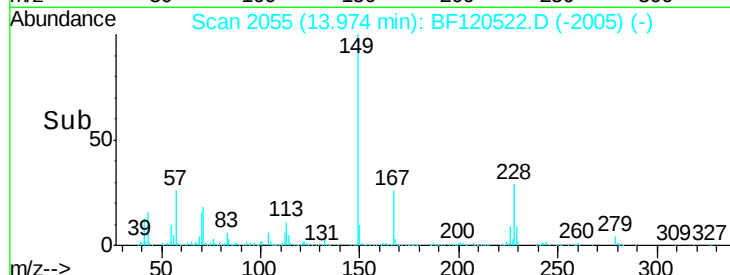
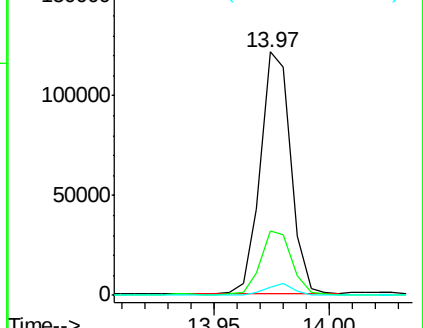
279 3.5 3.2 4.8



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

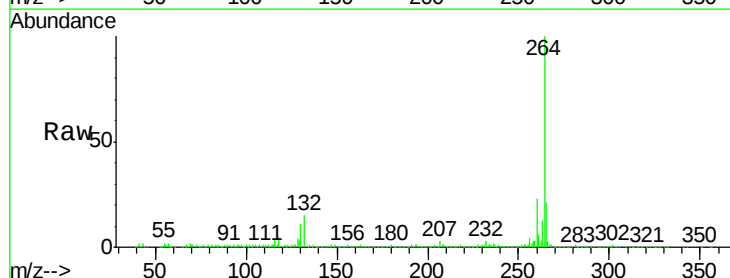
Tgt Ion:264 Resp: 317155

Ion Ratio Lower Upper

264 100

260 23.4 19.8 29.8

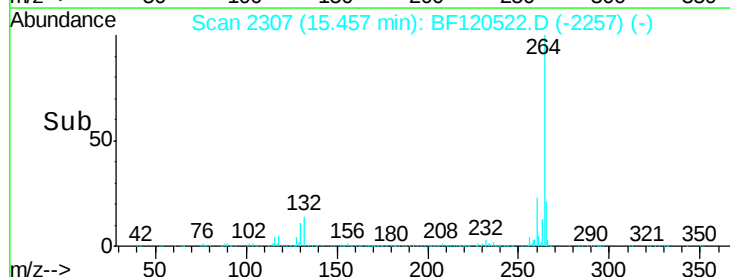
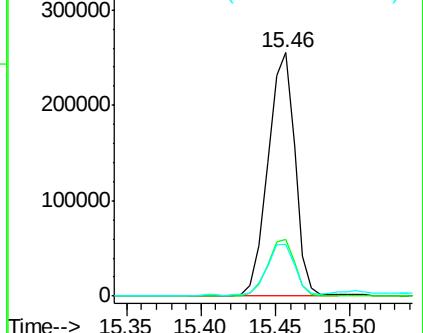
265 21.5 17.5 26.3

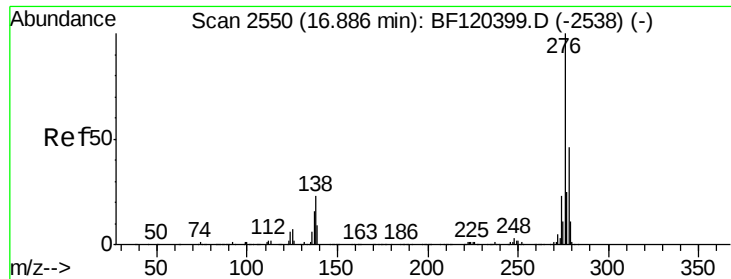


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

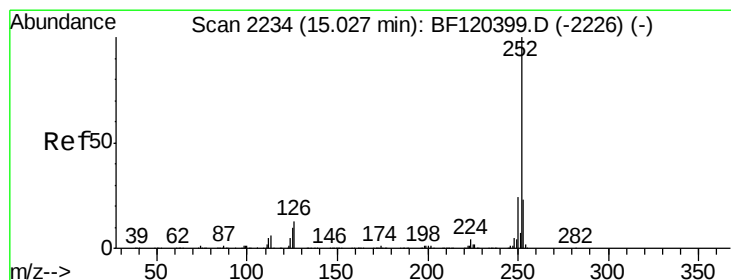
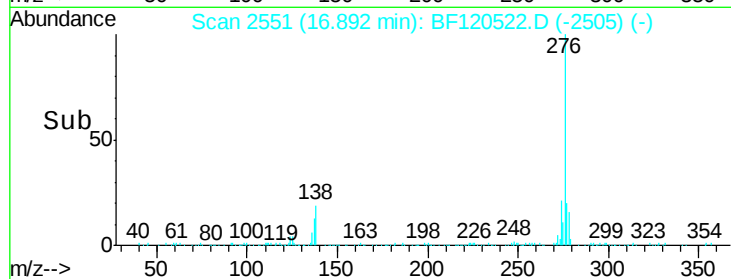
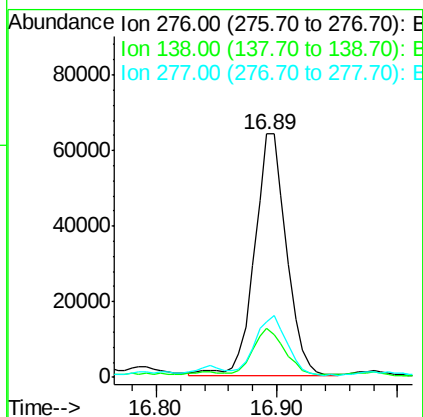
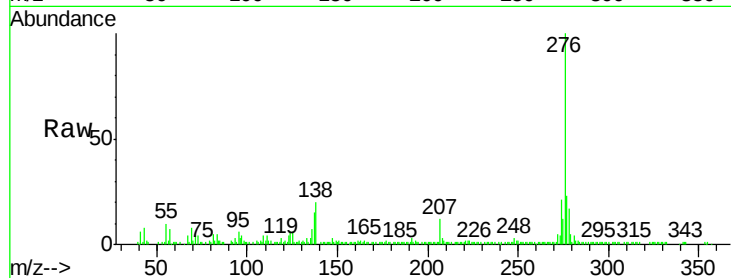




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.760 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.03 min
 Lab File: BF120522.D
 Acq: 3 Jun 2020 21:05

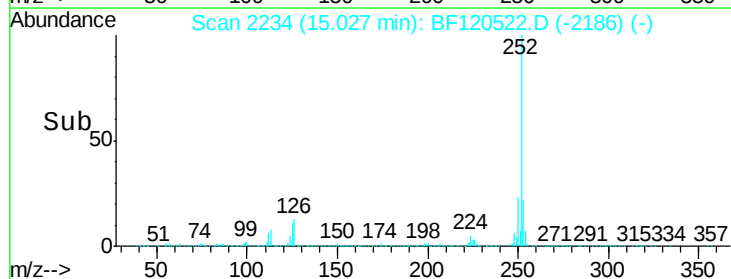
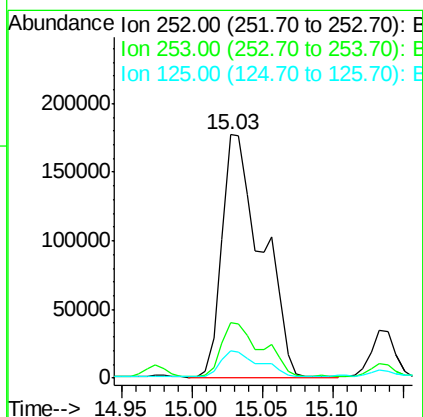
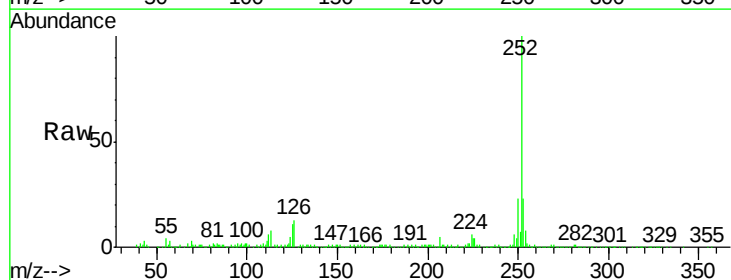
Instrument :
 BNA_F
 ClientSampleId :
 NM6-COMP-2020-0-6

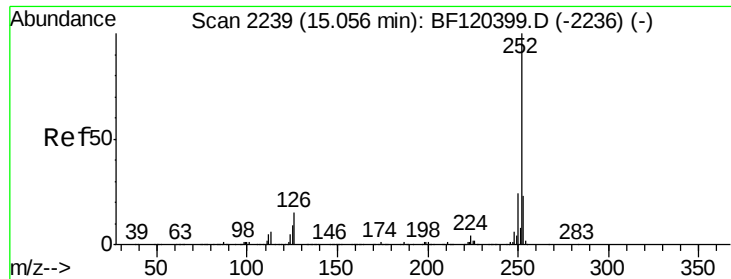
Tot Ion:276 Resp: 117271
 Ion Ratio Lower Upper
 276 100
 138 18.7 19.2 28.8#
 277 24.4 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 19.781 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120522.D
 Acq: 3 Jun 2020 21:05

Tgt Ion:252 Resp: 348465
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.2 27.2
 125 11.5 7.6 11.4#

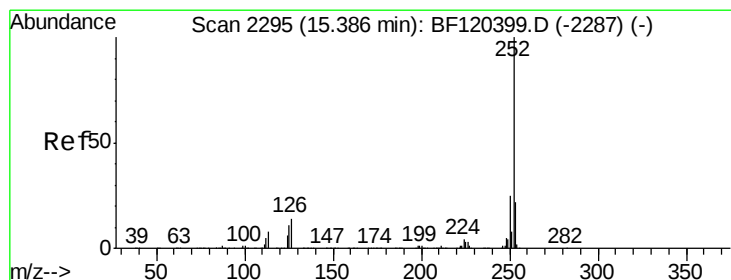
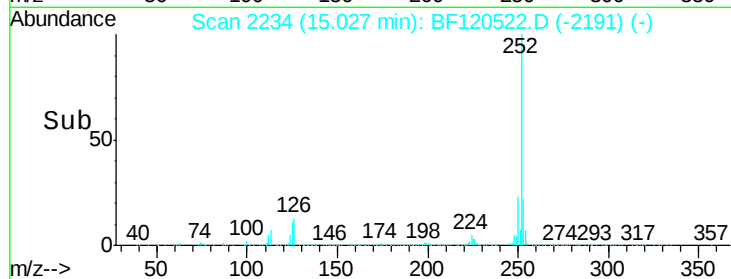
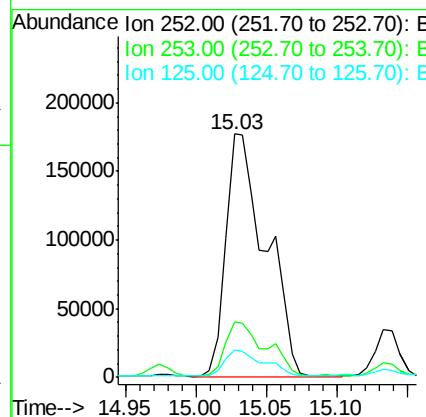
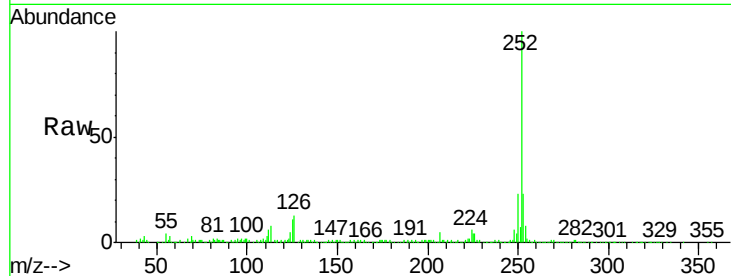




#89
Benzo(k)fluoranthene
Concen: 21.190 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

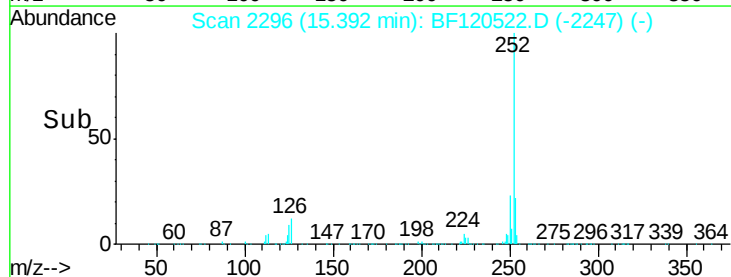
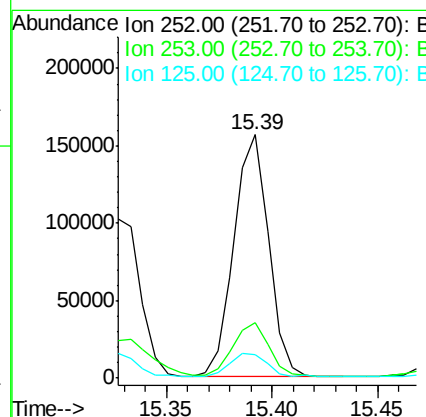
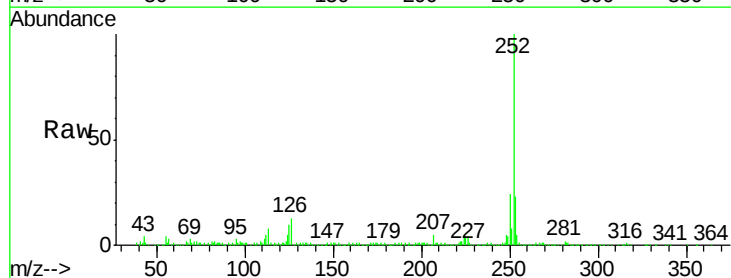
Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6

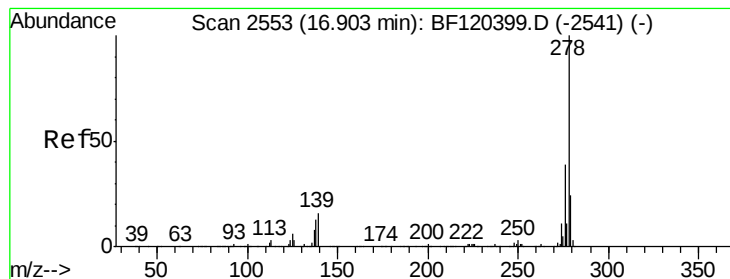
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	11.5	7.5	11.3#



#90
Benzo(a)pyrene
Concen: 11.589 ng
RT: 15.39 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF120522.D
Acq: 3 Jun 2020 21:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	9.7	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.118 ng

RT: 16.91 min Scan# 2554

Delta R.T. -0.04 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6

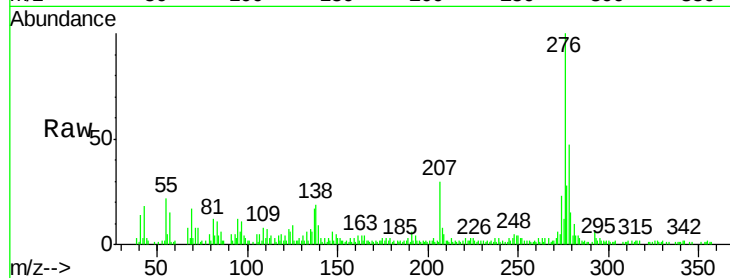
Tot Ion:278 Resp: 29959

Ion Ratio Lower Upper

278 100

139 20.0 11.6 17.4#

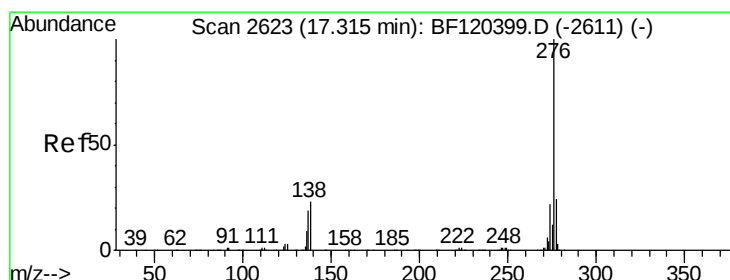
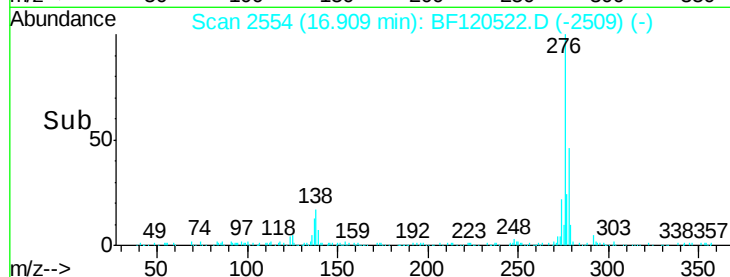
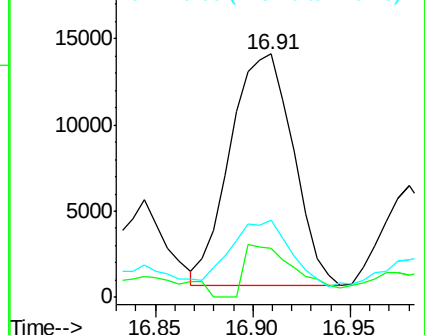
279 31.8 19.2 28.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.347 ng

RT: 17.33 min Scan# 2626

Delta R.T. -0.03 min

Lab File: BF120522.D

Acq: 3 Jun 2020 21:05

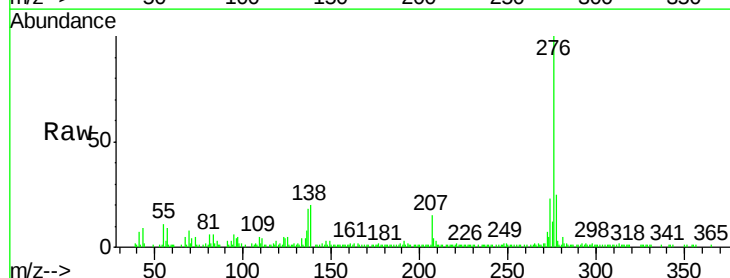
Tgt Ion:276 Resp: 102485

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 20.4 16.6 25.0



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

