

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120544.D
 Acq On : 4 Jun 2020 20:13
 Operator : JU/CG
 Sample : L2839-12RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jun 05 00:28:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	193122	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	473208	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	233138	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	409076	20.00	ng	0.00
76) Chrysene-d12	13.99	240	403216	20.00	ng	-0.01
86) Perylene-d12	15.45	264	258887	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	946511	93.40	ng	0.00
7) Phenol-d6	6.46	99	1083984	86.78	ng	0.00
23) Nitrobenzene-d5	7.39	82	758152	104.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	237337	109.87	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1048594	76.31	ng	0.00
79) Terphenyl-d14	12.94	244	1355818	74.82	ng	0.00

Target Compounds

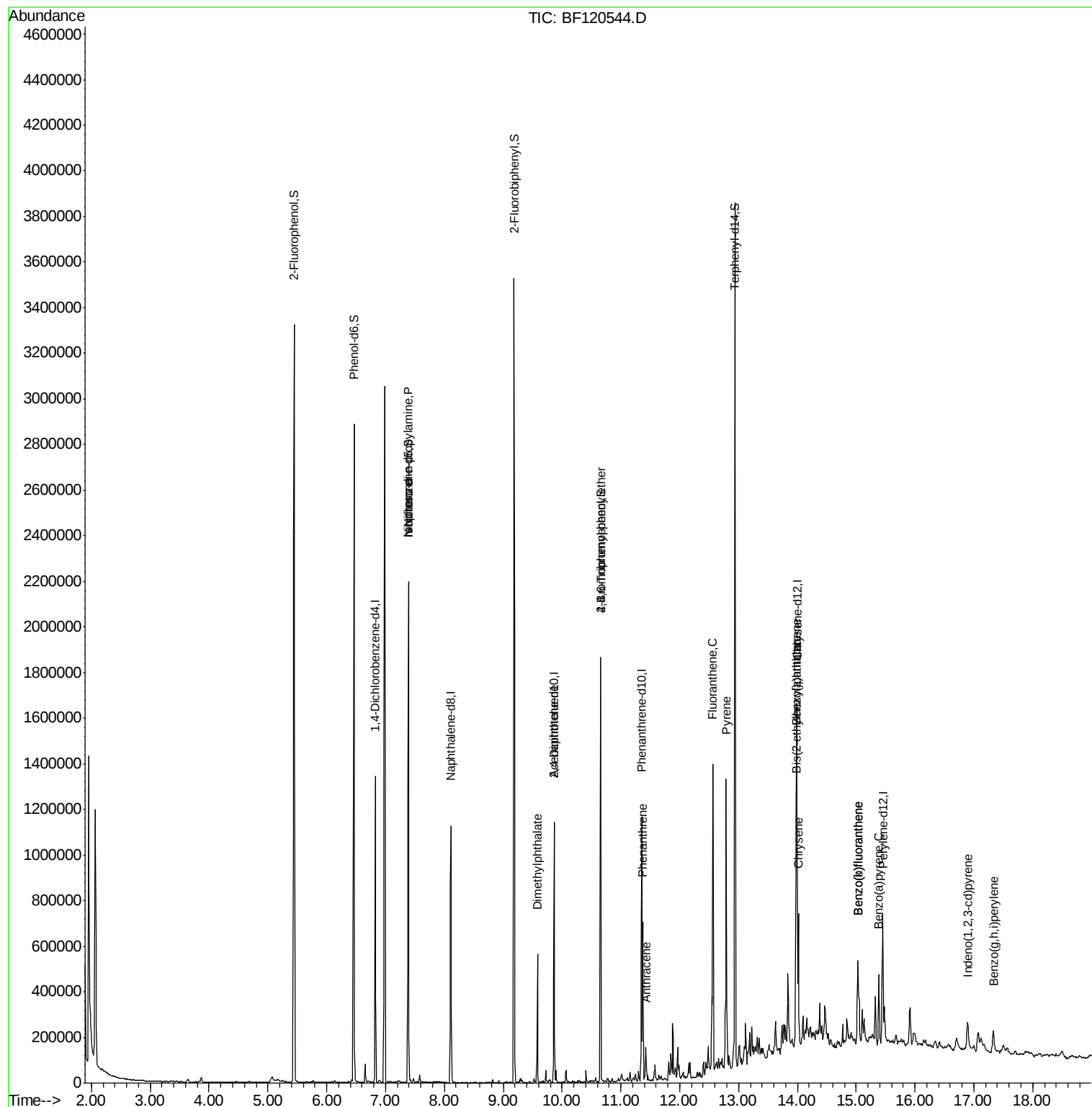
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	102030	12.850	ng	# 78
25) Isophorone	7.39	82	754153	51.869	ng	# 63
50) Dimethylphthalate	9.58	163	212533	14.582	ng	99
57) 2,4-Dinitrotoluene	9.86	165	30352	7.322	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	14234	3.447	ng	# 1
71) Phenanthrene	11.37	178	232303	12.888	ng	98
72) Anthracene	11.43	178	52945	2.928	ng	97
75) Fluoranthene	12.57	202	566792	29.223	ng	97
78) Pyrene	12.79	202	528723	18.855	ng	98
81) Benzo(a)anthracene	13.98	228	269726	12.481	ng	98
83) Chrysene	14.02	228	234732	10.361	ng	95
84) Bis(2-ethylhexyl)phthalate	13.97	149	125091	9.103	ng	99
87) Indeno(1,2,3-cd)pyrene	16.89	276	85214	6.018	ng	# 93
88) Benzo(b)fluoranthene	15.03	252	273816	19.042	ng	99
89) Benzo(k)fluoranthene	15.03	252	273816	20.398	ng	100
90) Benzo(a)pyrene	15.39	252	139595	11.099	ng	98
92) Benzo(a,h,i)perylene	17.33	276	77292	6.788	ng	98

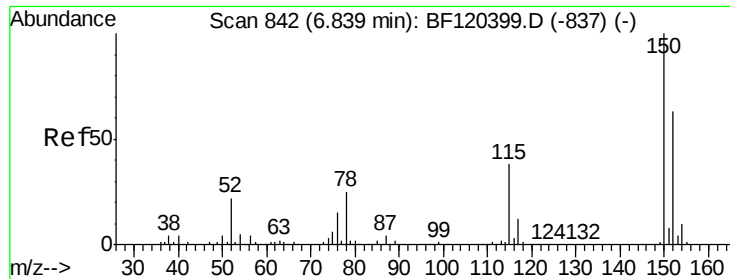
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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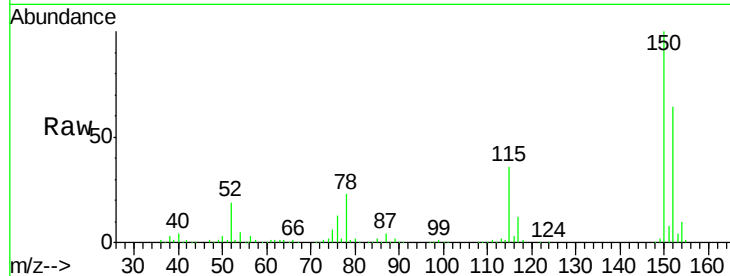




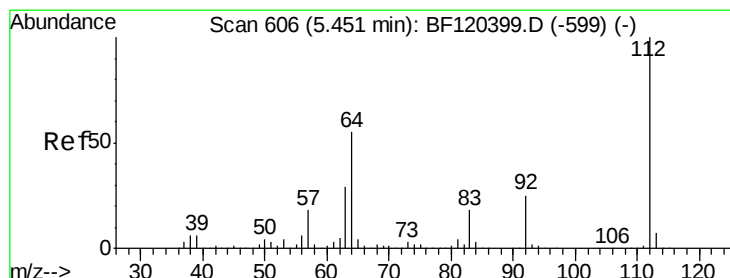
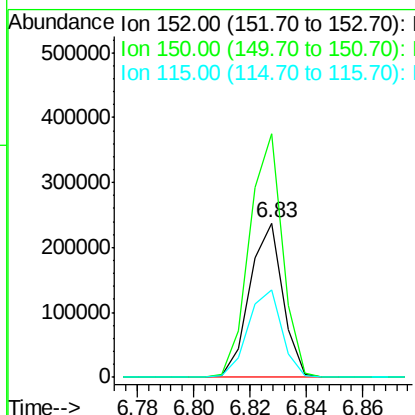
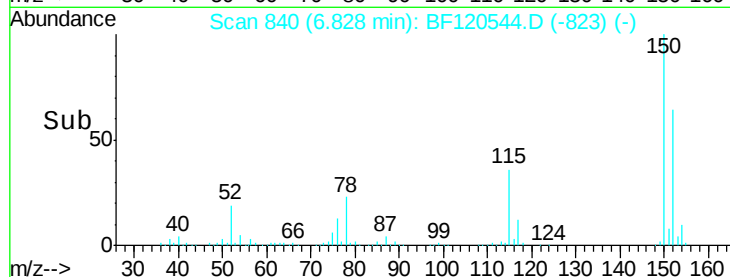
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BF120544.D
 Acq: 4 Jun 2020 20:13

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

Tot Ion:152 Resp: 193122
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.3 189.5
 115 56.8 48.1 72.1

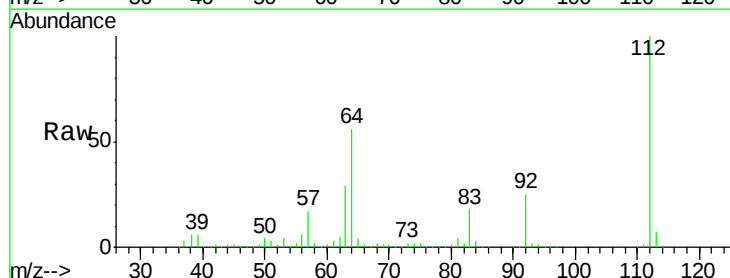


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

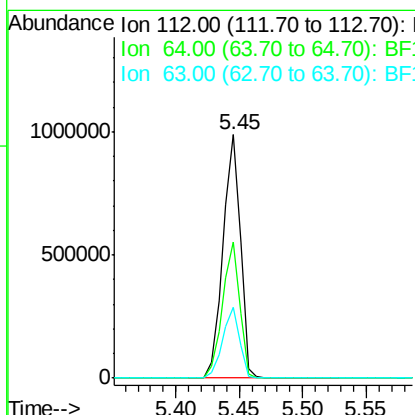
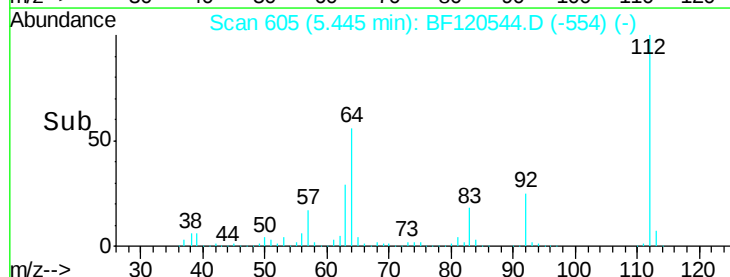


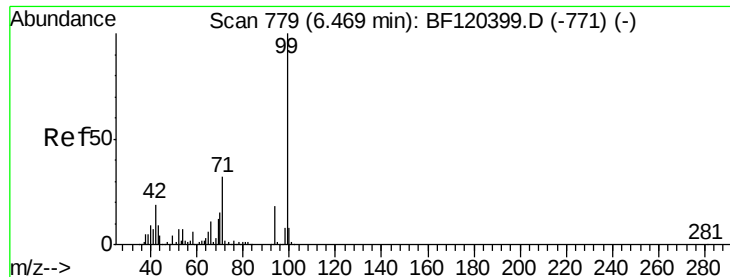
#5
 2-Fluorophenol
 Concen: 93.403 ng
 RT: 5.45 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: BF120544.D
 Acq: 4 Jun 2020 20:13

Tgt Ion:112 Resp: 946511
 Ion Ratio Lower Upper
 112 100
 64 55.9 47.2 70.8
 63 28.9 24.7 37.1



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





#7

Phenol-d6

Concen: 86.785 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6RE

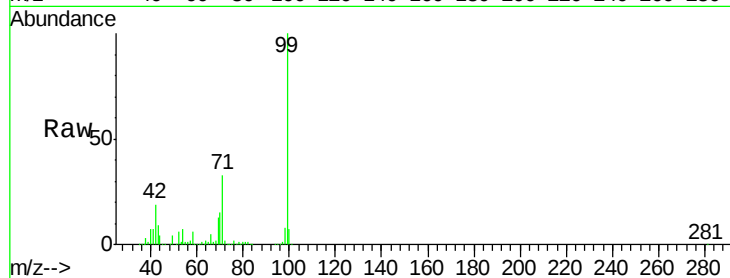
Tot Ion: 99 Resp: 1083984

Ion Ratio Lower Upper

99 100

42 18.6 15.0 22.6

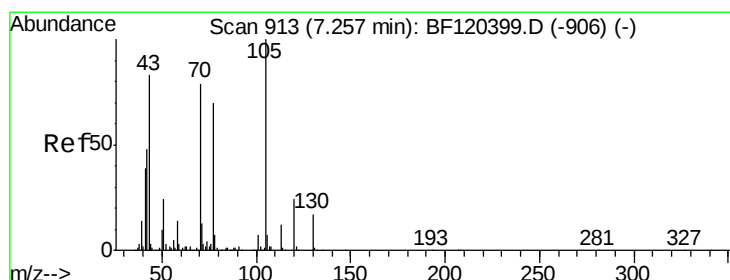
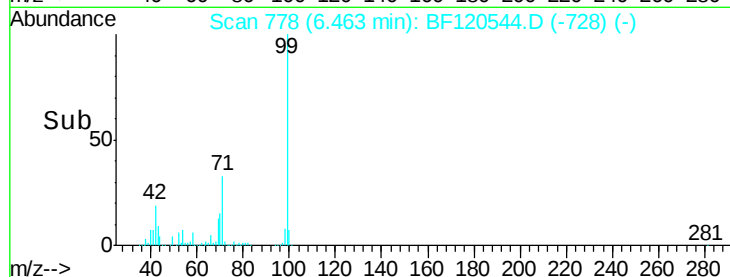
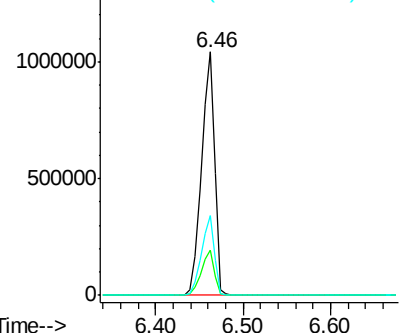
71 32.9 27.0 40.4



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: 12.850 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Tgt Ion: 70 Resp: 102030

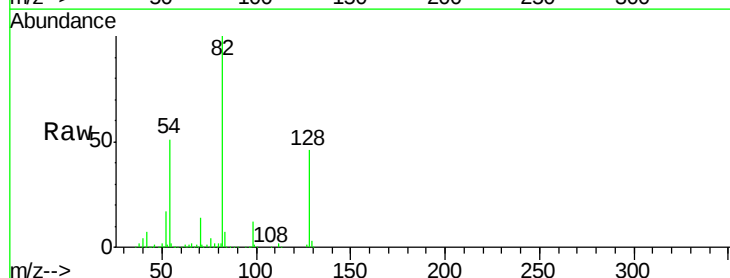
Ion Ratio Lower Upper

70 100

42 49.1 47.0 70.4

101 0.0 7.8 11.8#

130 2.2 17.9 26.9#

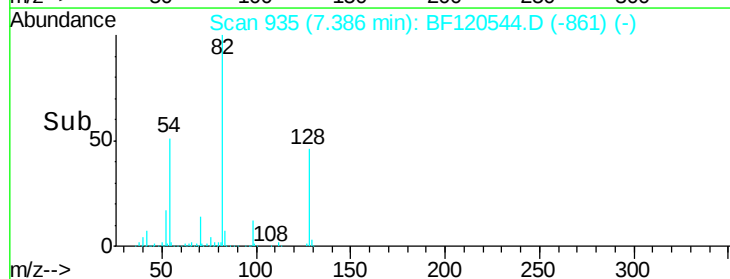
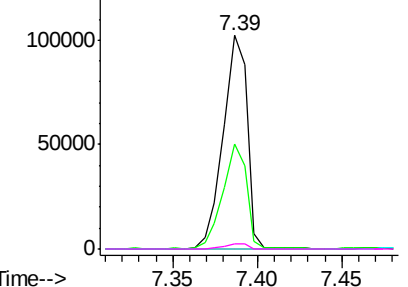


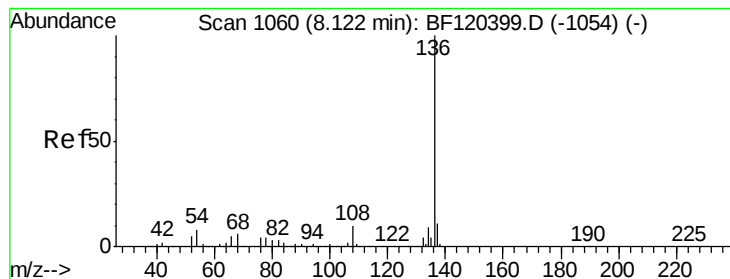
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6RE

Tot Ion:136 Resp: 473208

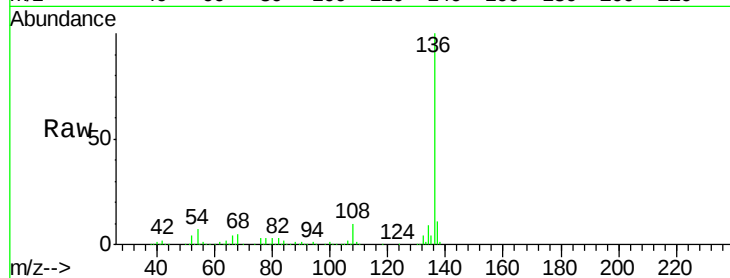
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.8 5.4 8.0

68 4.8 4.3 6.5

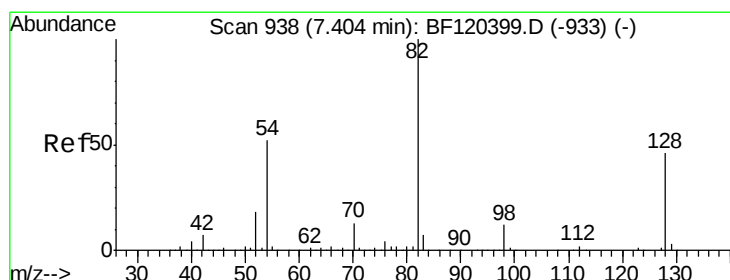
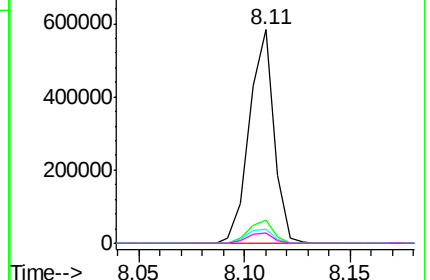
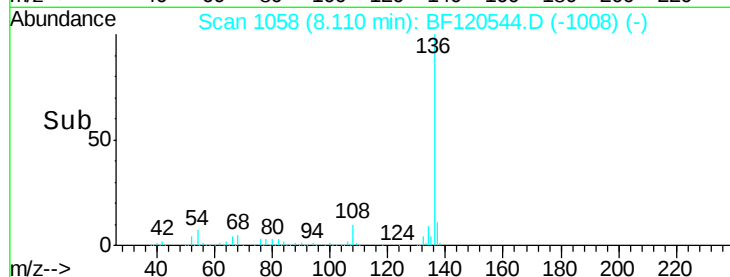


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 104.802 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

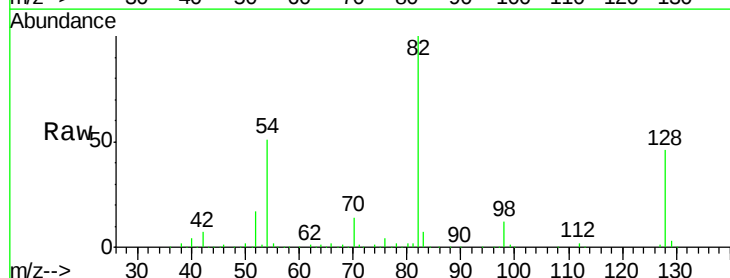
Tgt Ion: 82 Resp: 758152

Ion Ratio Lower Upper

82 100

128 45.8 36.7 55.1

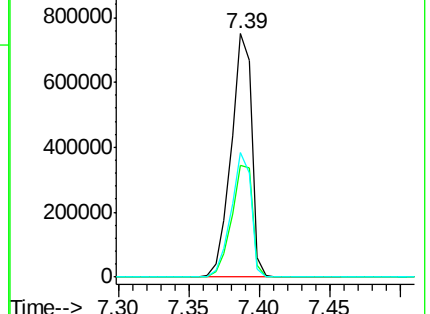
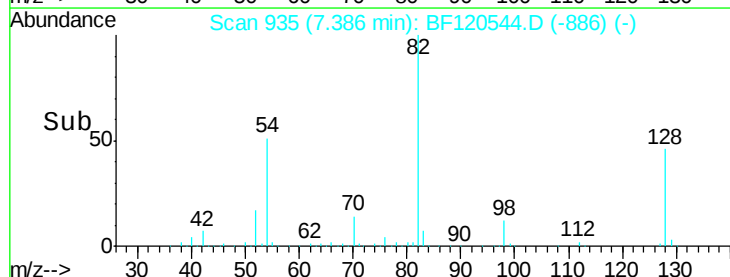
54 51.3 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.869 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Instrument :

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ClientSampleId :

NM6-COMP-2020-0-6RE

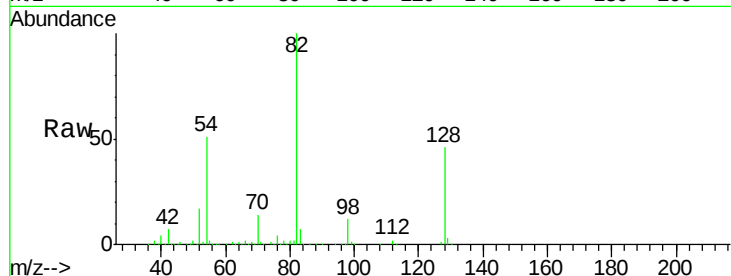
Tot Ion: 82 Resp: 754153

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

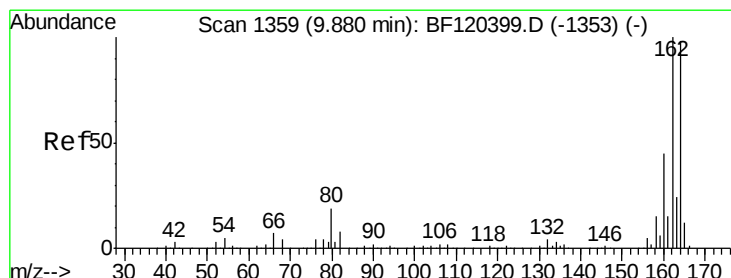
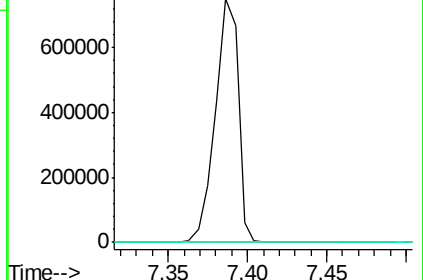
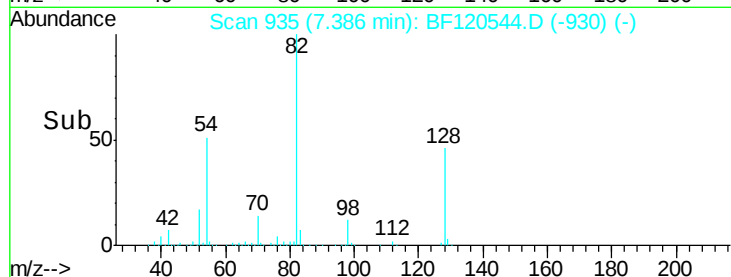
138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

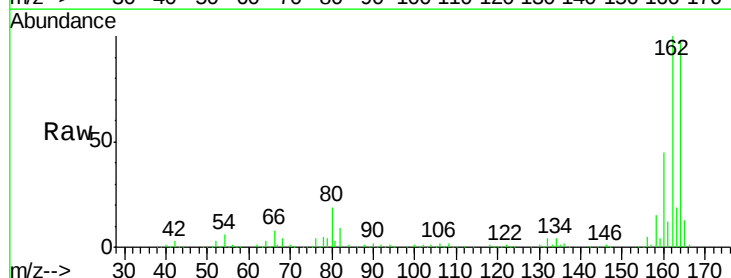
Tgt Ion:164 Resp: 233138

Ion Ratio Lower Upper

164 100

162 101.7 81.2 121.8

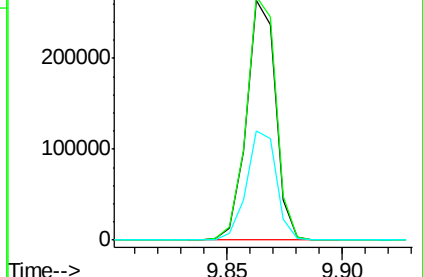
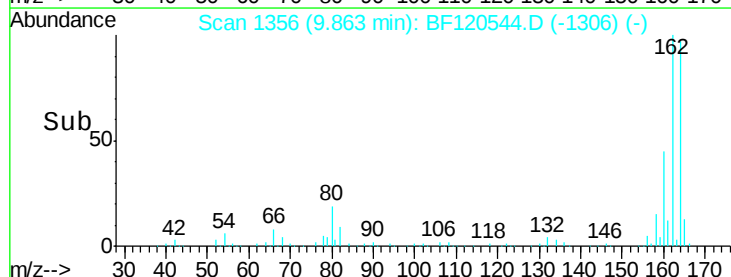
160 45.6 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

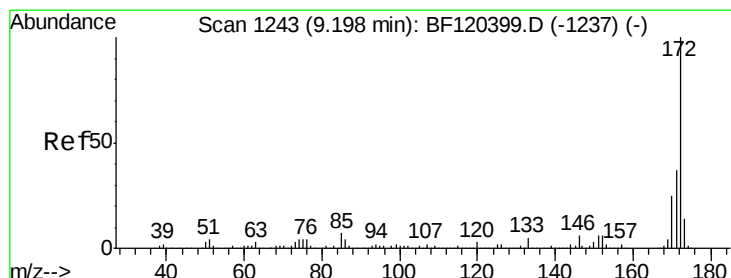
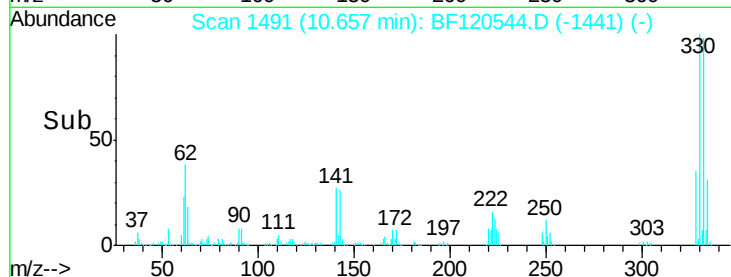
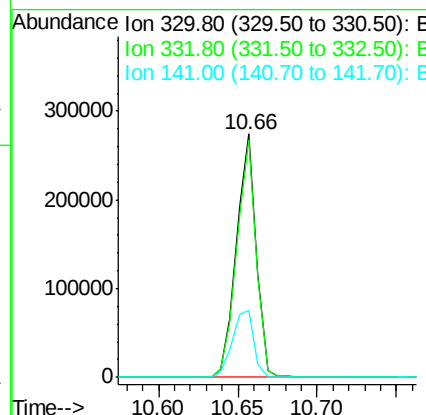
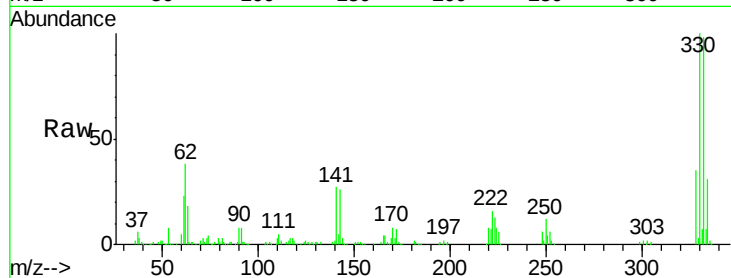




#42
 2,4,6-Tribromophenol
 Concen: 109.872 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120544.D
 Acq: 4 Jun 2020 20:13

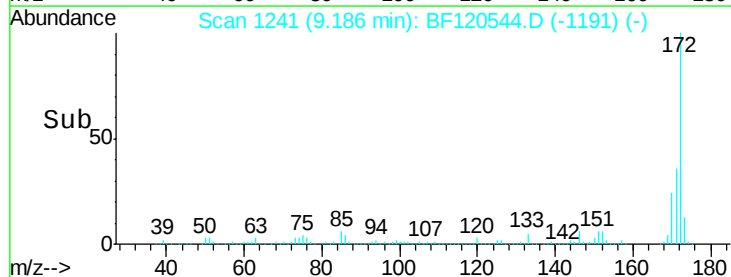
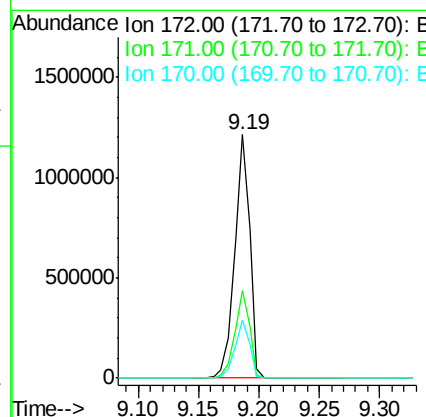
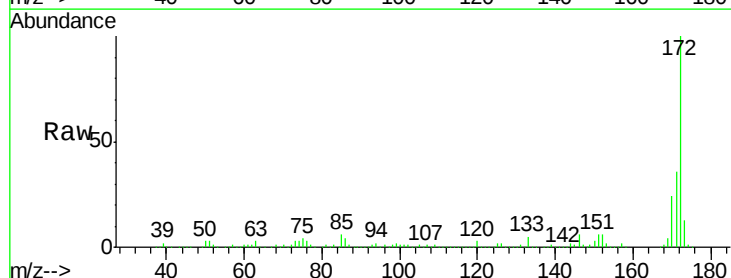
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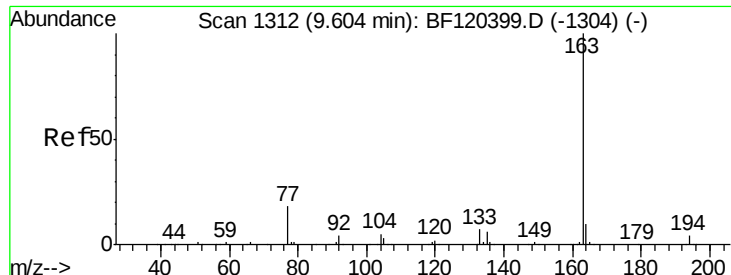
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.4
141	29.9	23.8	35.8



#45
 2-Fluorobiphenyl
 Concen: 76.313 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120544.D
 Acq: 4 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.5	44.3
170	23.7	19.8	29.6

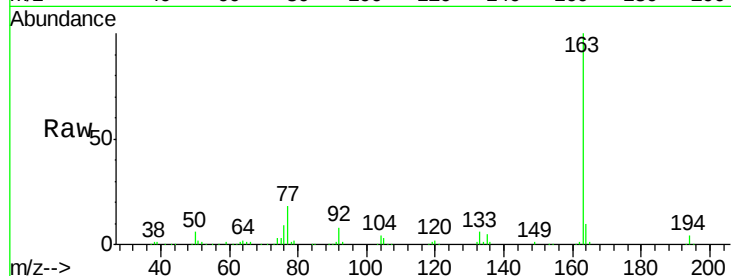




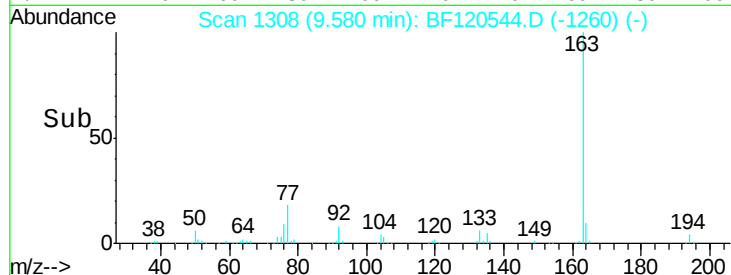
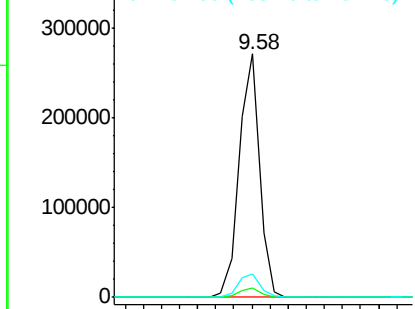
#50
Dimethylphthalate
Concen: 14.582 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

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

Tot Ion:163 Resp: 212533
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.7 8.0 12.0

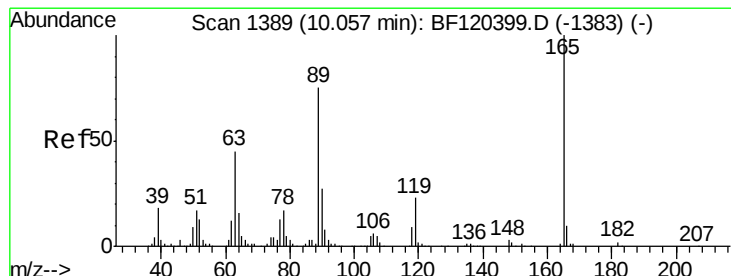


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

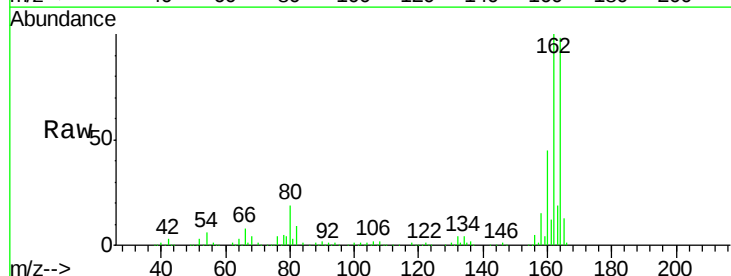
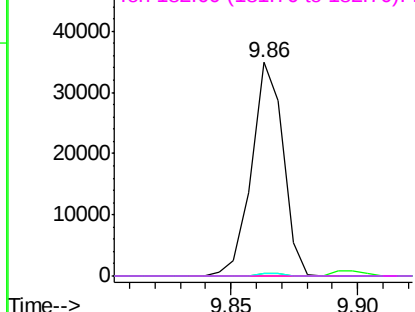


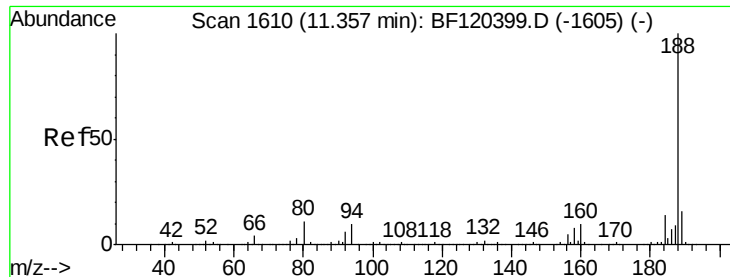
#57
2,4-Dinitrotoluene
Concen: 7.322 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

Tgt Ion:165 Resp: 30352
Ion Ratio Lower Upper
165 100
63 1.4 34.1 51.1#
89 1.1 56.2 84.4#
182 0.0 2.0 3.0#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6RE

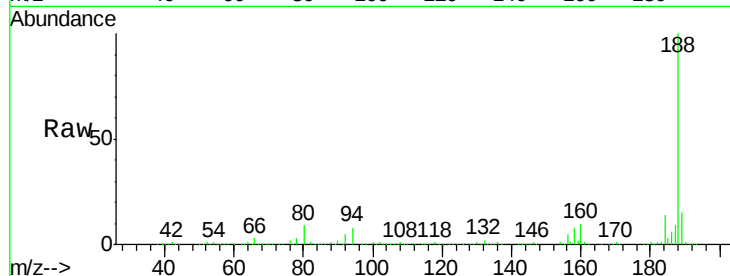
Tot Ion:188 Resp: 409076

Ion Ratio Lower Upper

188 100

94 8.2 7.4 11.2

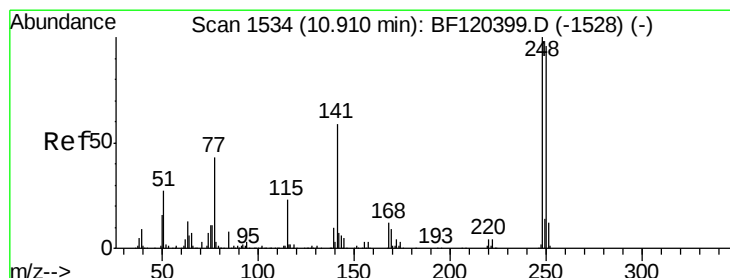
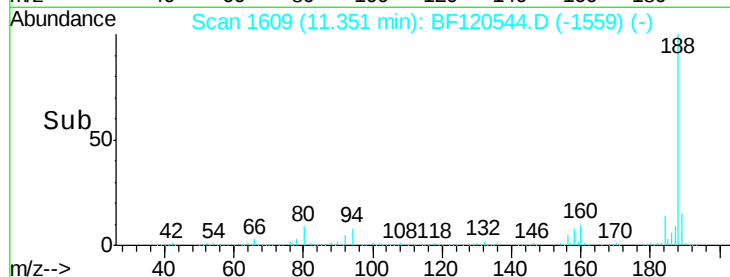
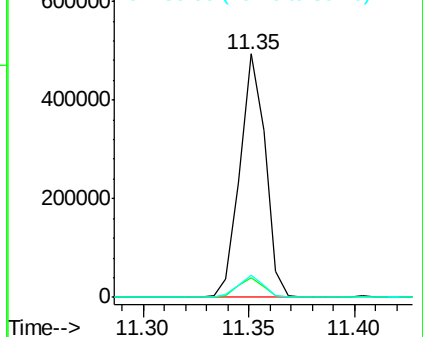
80 9.0 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.447 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

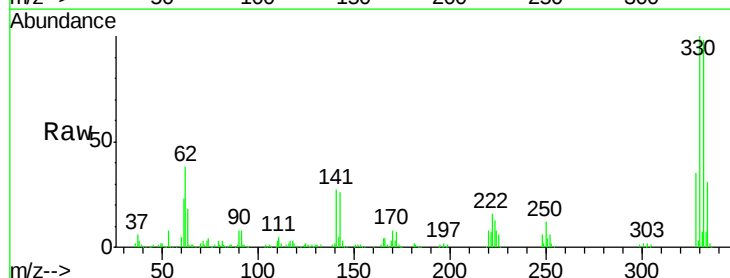
Tgt Ion:248 Resp: 14234

Ion Ratio Lower Upper

248 100

250 201.5 77.4 116.0#

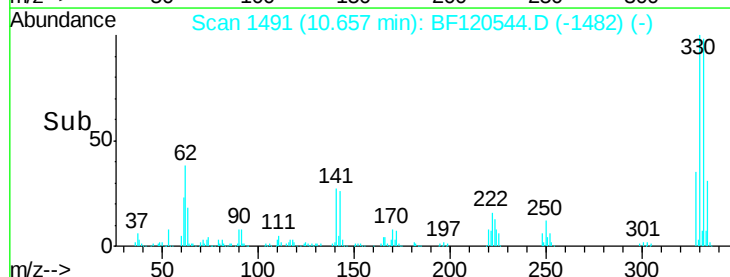
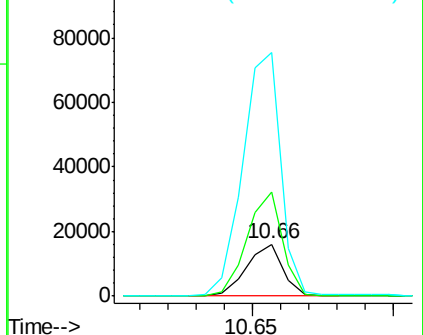
141 468.6 46.1 69.1#

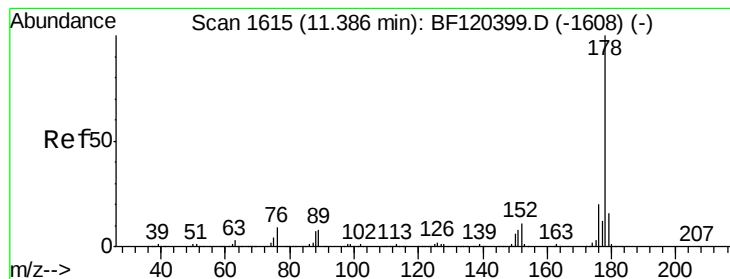


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 12.888 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6RE

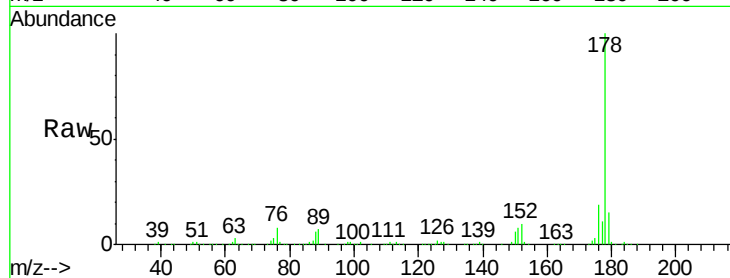
Tot Ion:178 Resp: 232303

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.2

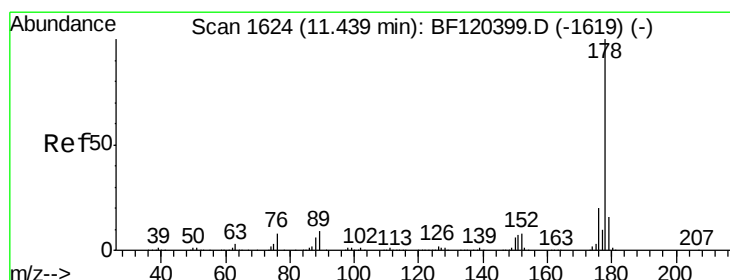
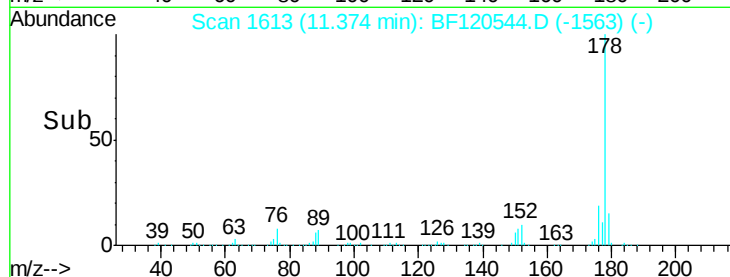
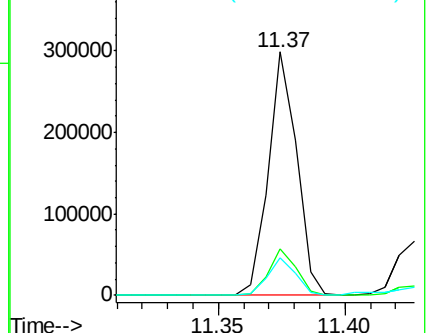
179 15.4 12.8 19.2



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



#72

Anthracene

Concen: 2.928 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

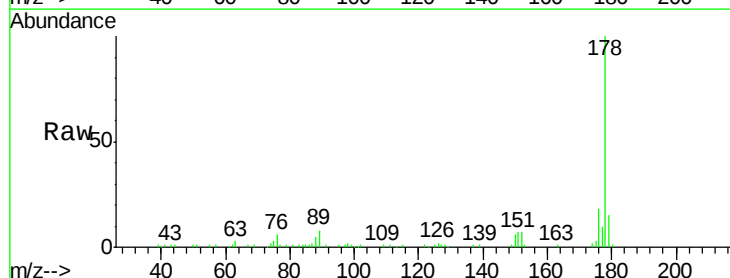
Tgt Ion:178 Resp: 52945

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.6

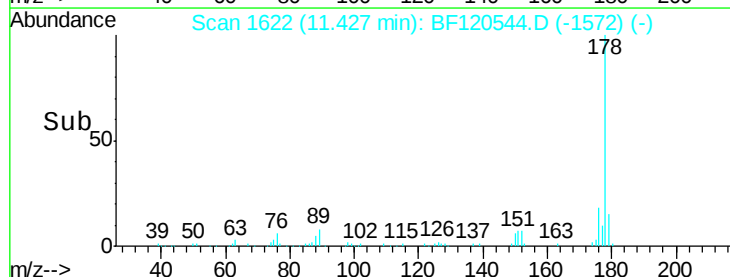
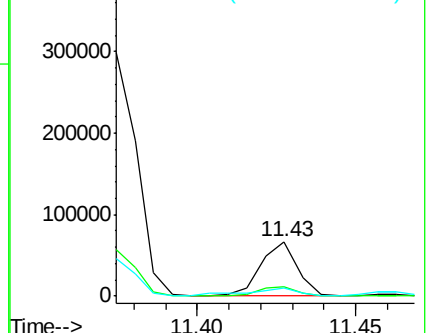
179 15.2 12.9 19.3

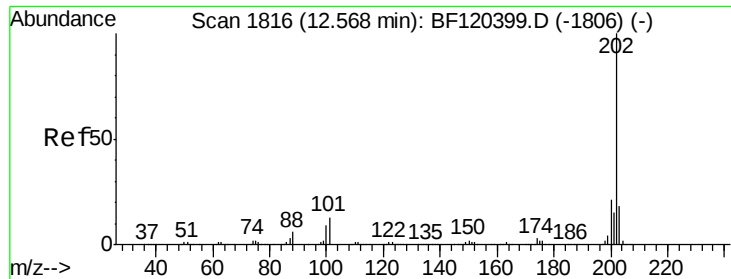


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 29.223 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6RE

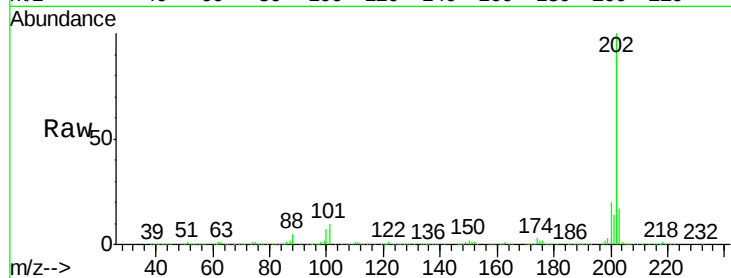
Tot Ion:202 Resp: 566792

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.3

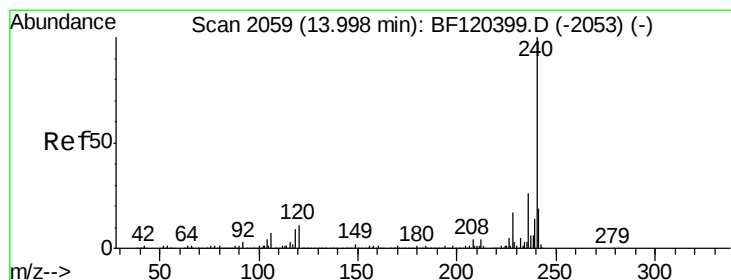
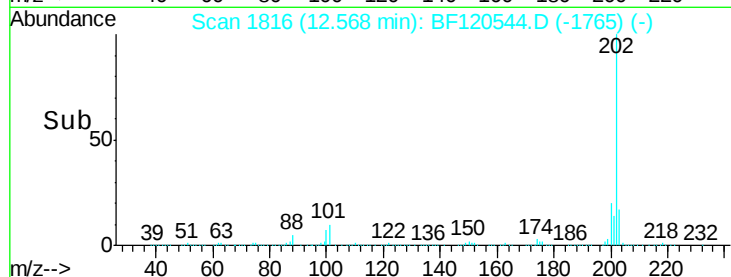
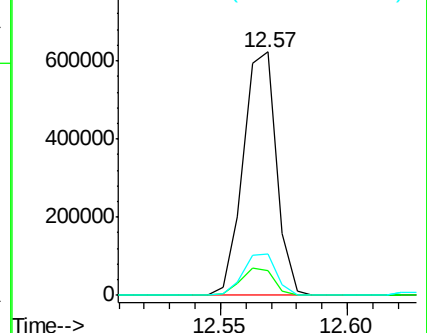
203 17.1 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

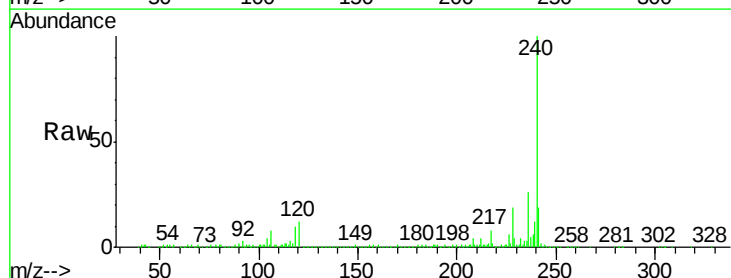
Tgt Ion:240 Resp: 403216

Ion Ratio Lower Upper

240 100

120 11.5 7.7 11.5

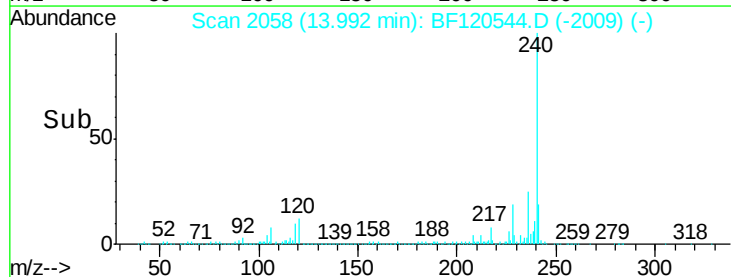
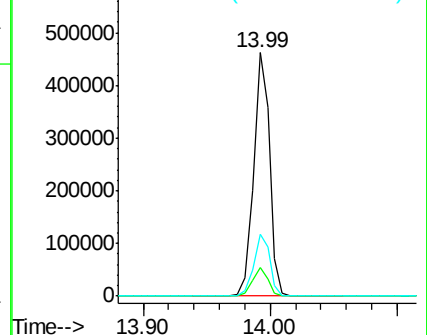
236 25.6 20.8 31.2

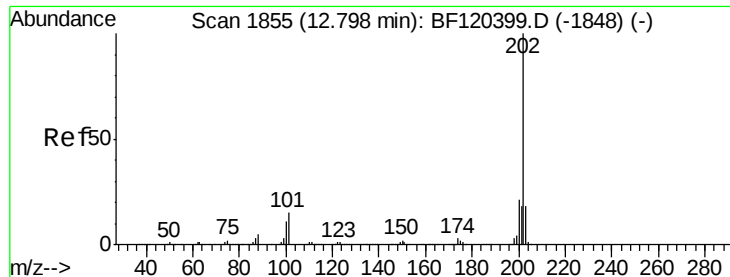


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 18.855 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

Instrument :

BNA_F

ClientSampleId :

NM6-COMP-2020-0-6RE

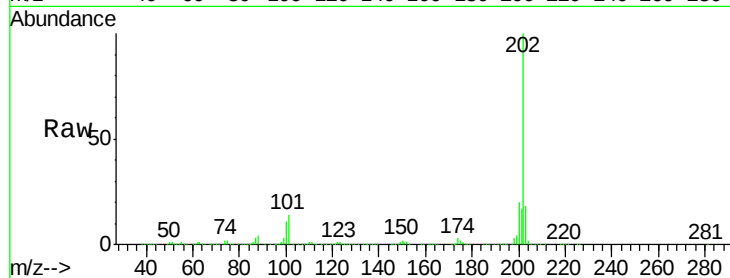
Tot Ion:202 Resp: 528723

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

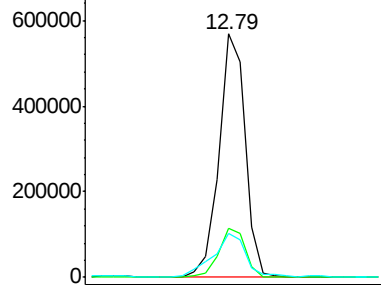
203 18.2 14.2 21.2



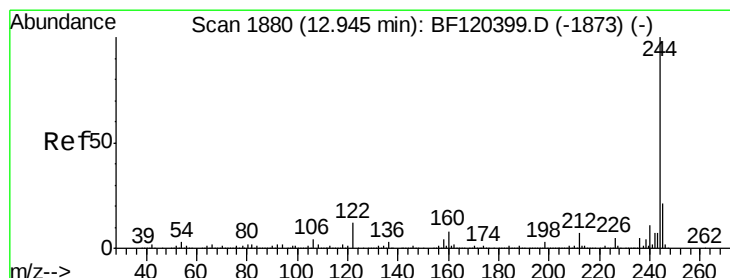
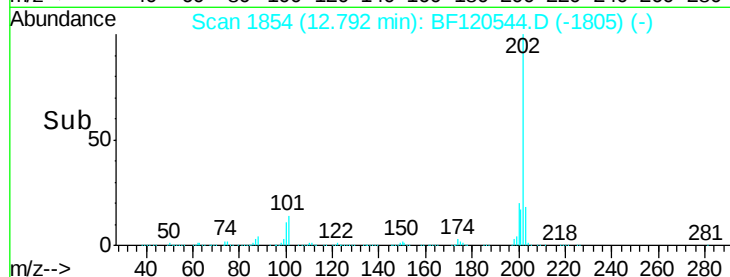
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 74.824 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120544.D

Acq: 4 Jun 2020 20:13

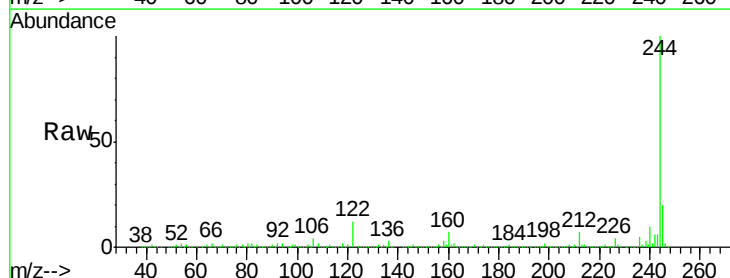
Tgt Ion:244 Resp: 1355818

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

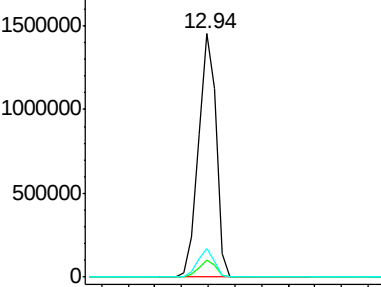
122 11.5 8.0 12.0



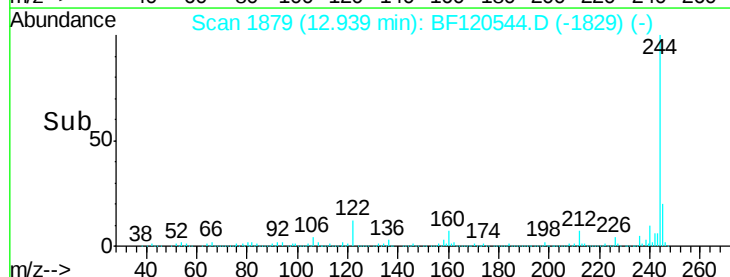
Abundance Ion 244.00 (243.70 to 244.70): E

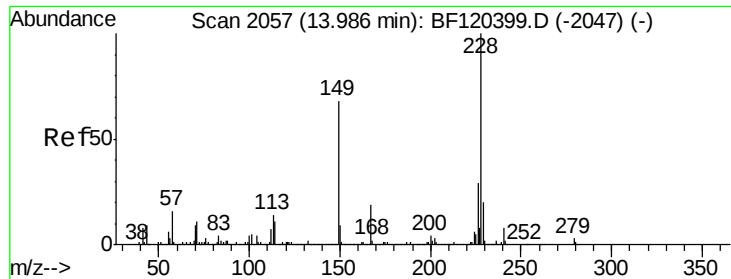
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

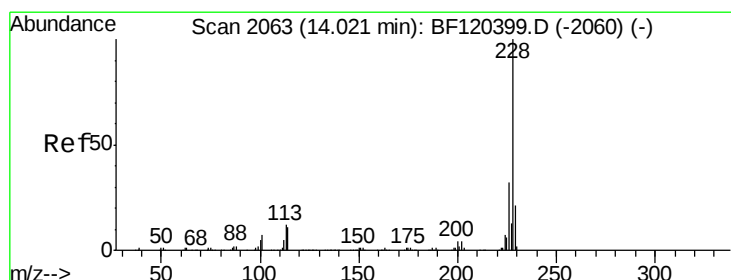
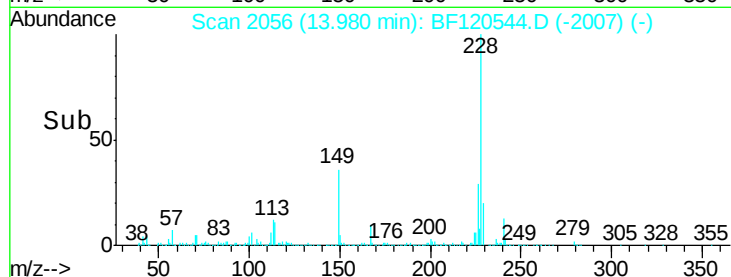
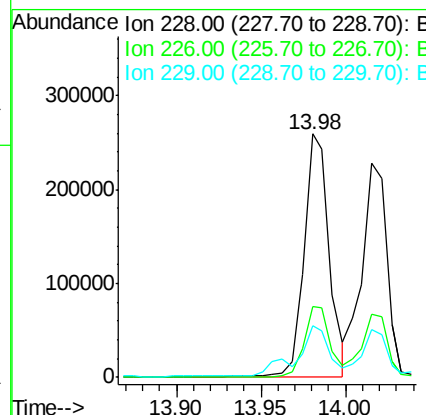
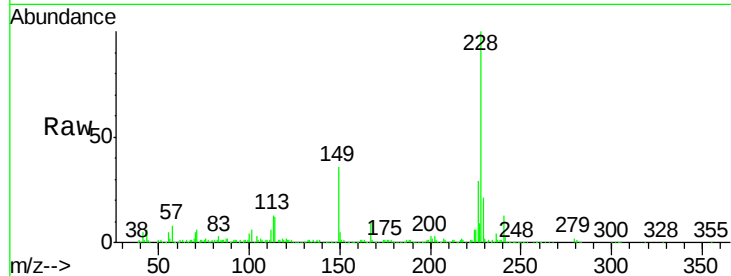




#81
Benzo(a)anthracene
Concen: 12.481 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

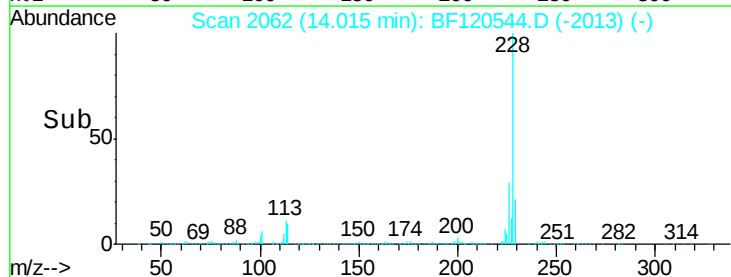
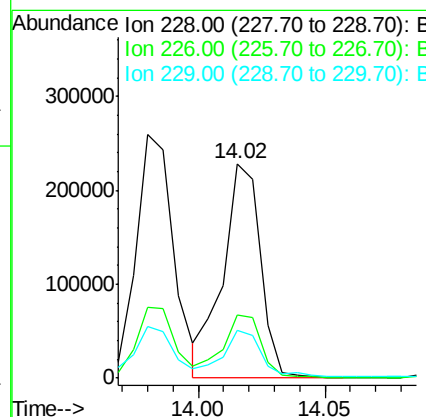
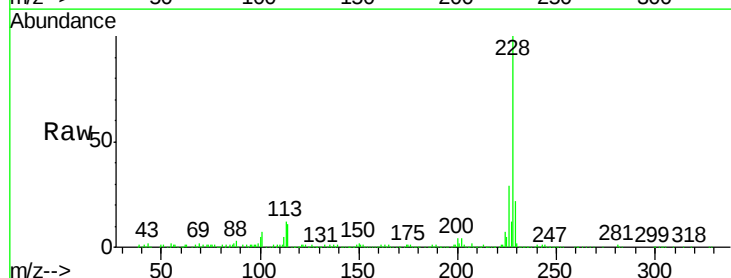
Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6RE

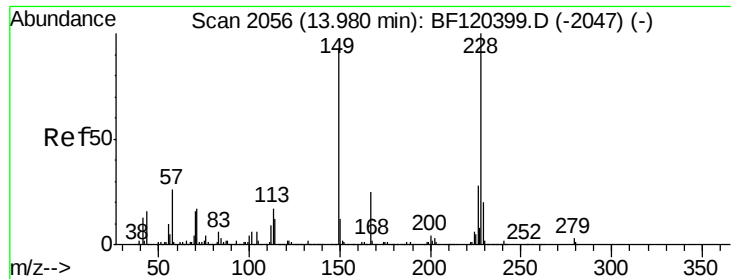
Tot Ion:228 Resp: 269726
Ion Ratio Lower Upper
228 100
226 29.0 22.4 33.6
229 21.0 16.2 24.2



#83
Chrysene
Concen: 10.361 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

Tgt Ion:228 Resp: 234732
Ion Ratio Lower Upper
228 100
226 29.5 25.6 38.4
229 22.4 16.2 24.2

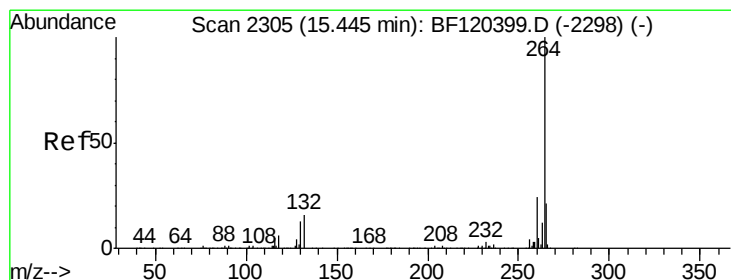
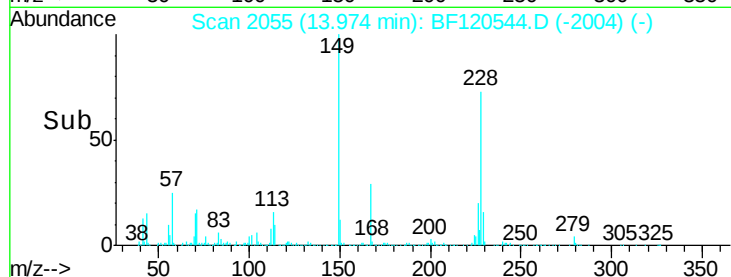
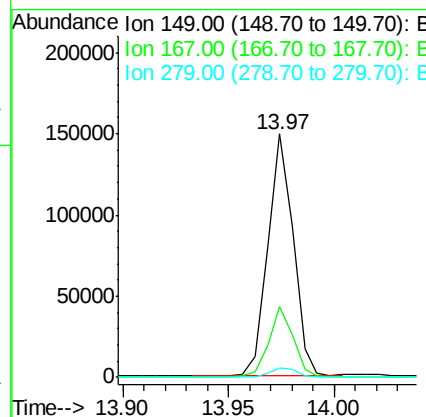
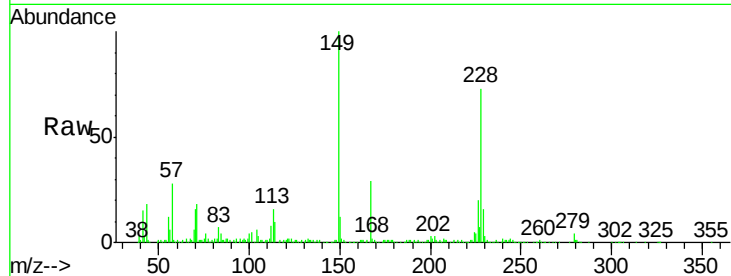




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.103 ng
RT: 13.97 min Scan# 2055
Delta R.T. -0.00 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

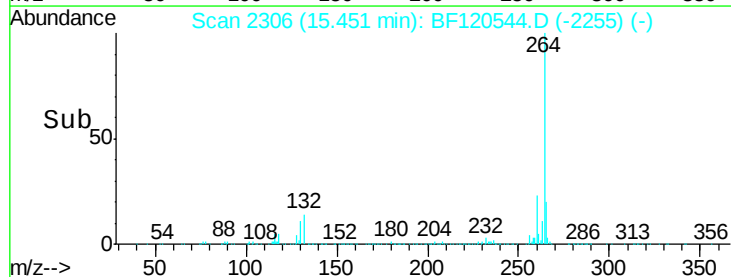
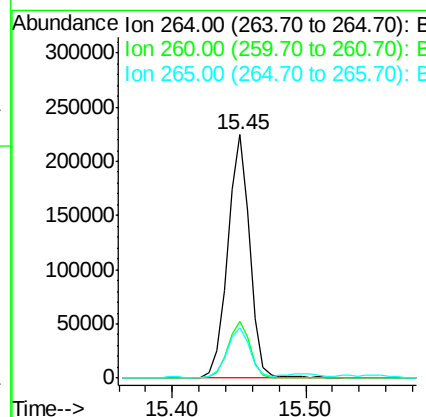
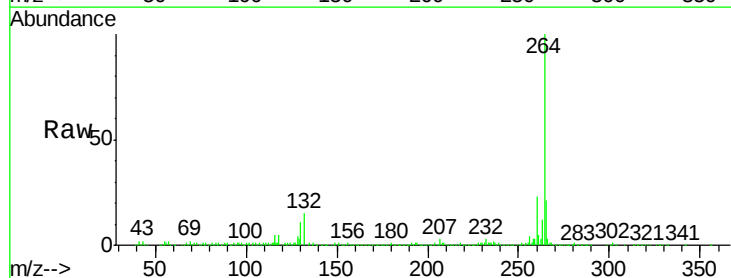
Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6RE

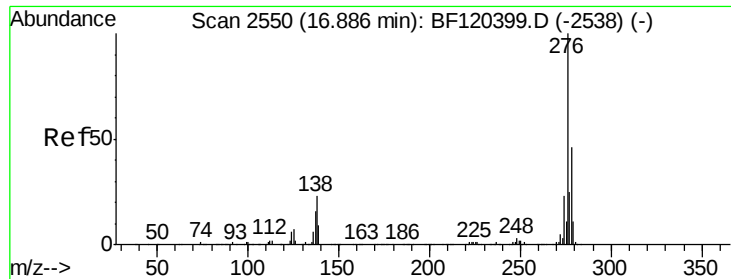
Tot Ion:149 Resp: 125091
Ion Ratio Lower Upper
149 100
167 29.0 22.6 33.8
279 4.1 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

Tgt Ion:264 Resp: 258887
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 20.7 17.5 26.3

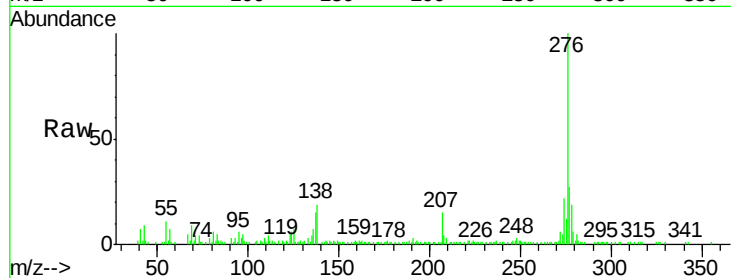




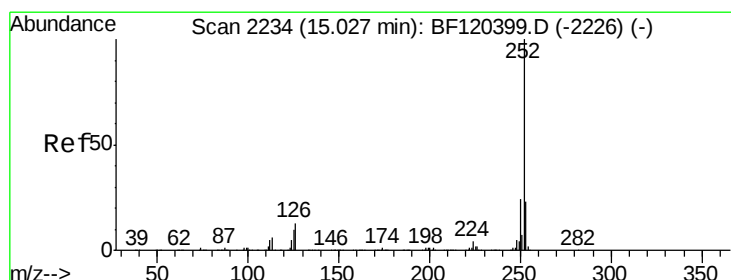
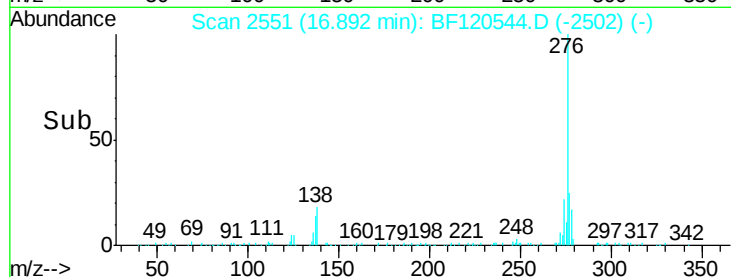
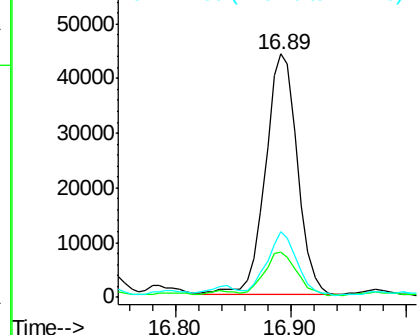
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.018 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF120544.D
 Acq: 4 Jun 2020 20:13

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.3	19.2	28.8#
277	24.3	20.3	30.5

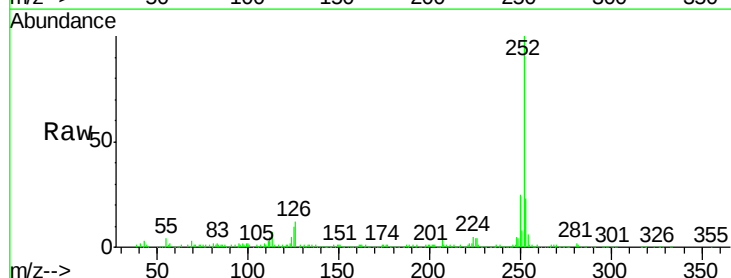


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

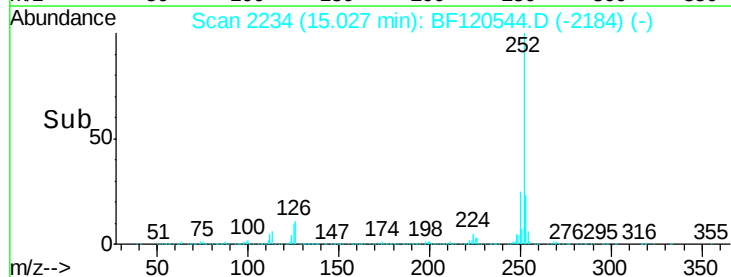
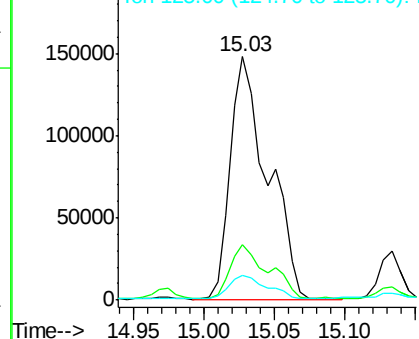


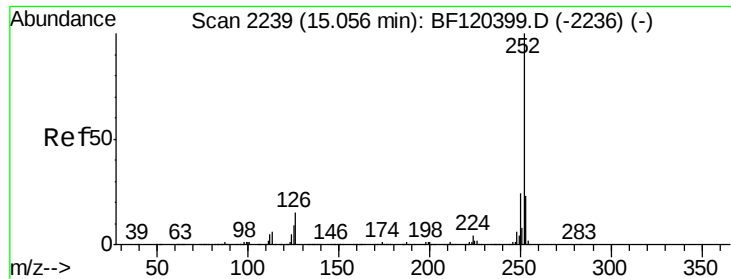
#88
 Benzo(b)fluoranthene
 Concen: 19.042 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF120544.D
 Acq: 4 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.3	8.3	12.5



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

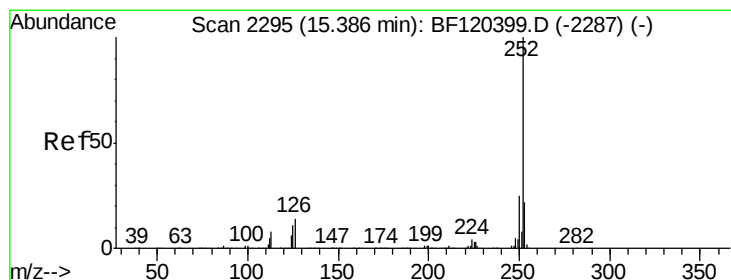
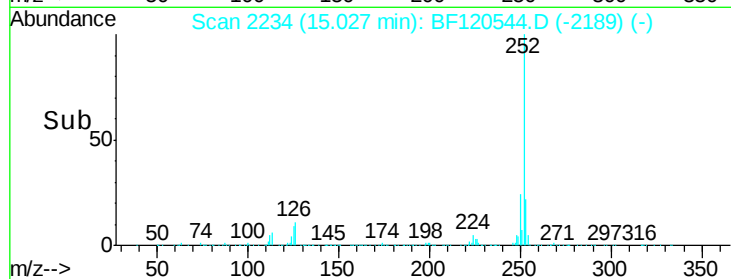
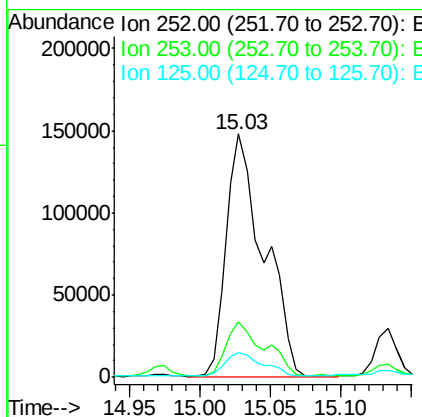
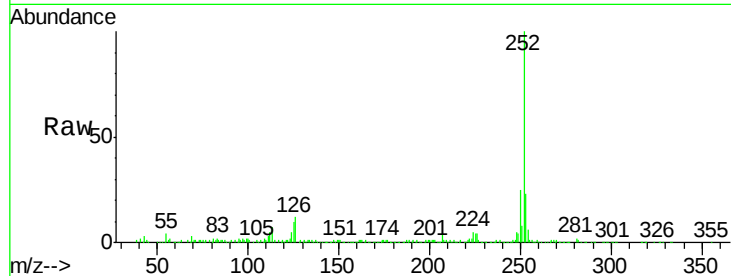




#89
Benzo(k)fluoranthene
Concen: 20.398 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

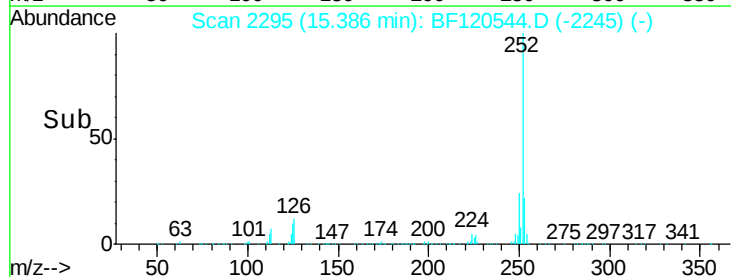
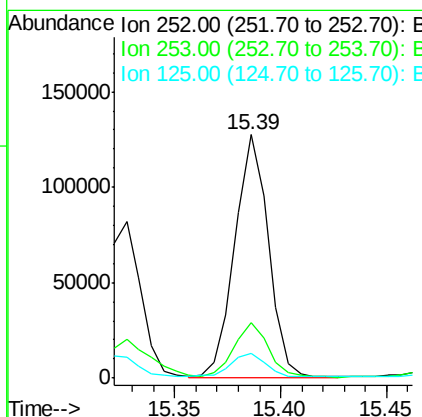
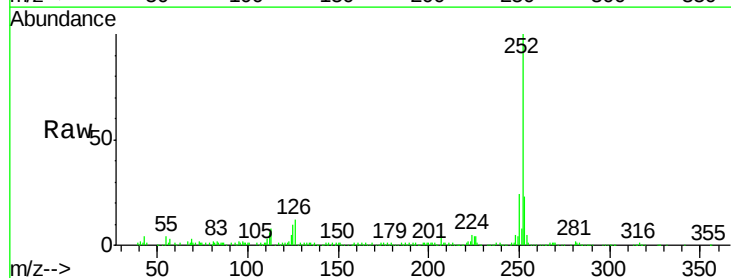
Instrument :
BNA_F
ClientSampleId :
NM6-COMP-2020-0-6RE

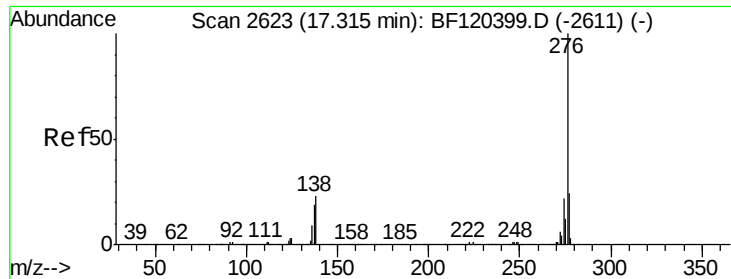
Tot Ion:252 Resp: 273816
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 10.3 8.6 13.0



#90
Benzo(a)pyrene
Concen: 11.099 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120544.D
Acq: 4 Jun 2020 20:13

Tgt Ion:252 Resp: 139595
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 10.3 9.6 14.4

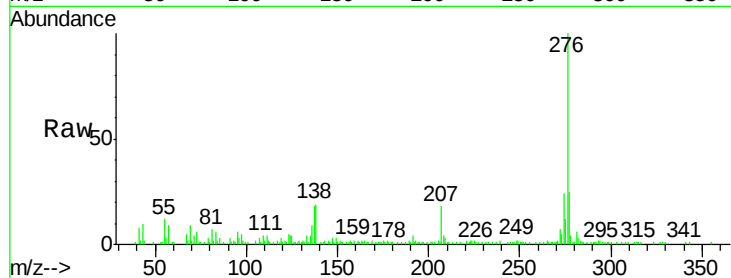




#92
 Benzo(a,h,i)perylene
 Concen: 6.788 ng
 RT: 17.33 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF120544.D
 Acq: 4 Jun 2020 20:13

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.3	28.9
138	19.2	16.9	25.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

