

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120514.D
 Acq On : 3 Jun 2020 17:24
 Operator : JU/CG
 Sample : L2839-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM20-COMP-2020-0-6

Quant Time: Jun 03 17:58:42 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	201687	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	624373	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	377610	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	648216	20.00	ng	0.00
76) Chrysene-d12	14.00	240	348857	20.00	ng	-0.01
86) Perylene-d12	15.45	264	420492	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	892863	84.37	ng	0.00
7) Phenol-d6	6.47	99	1263121	96.83	ng	0.00
23) Nitrobenzene-d5	7.40	82	866728	90.80	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	357193	102.09	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1570857	70.58	ng	0.00
79) Terphenyl-d14	12.95	244	1307109	83.38	ng	0.00

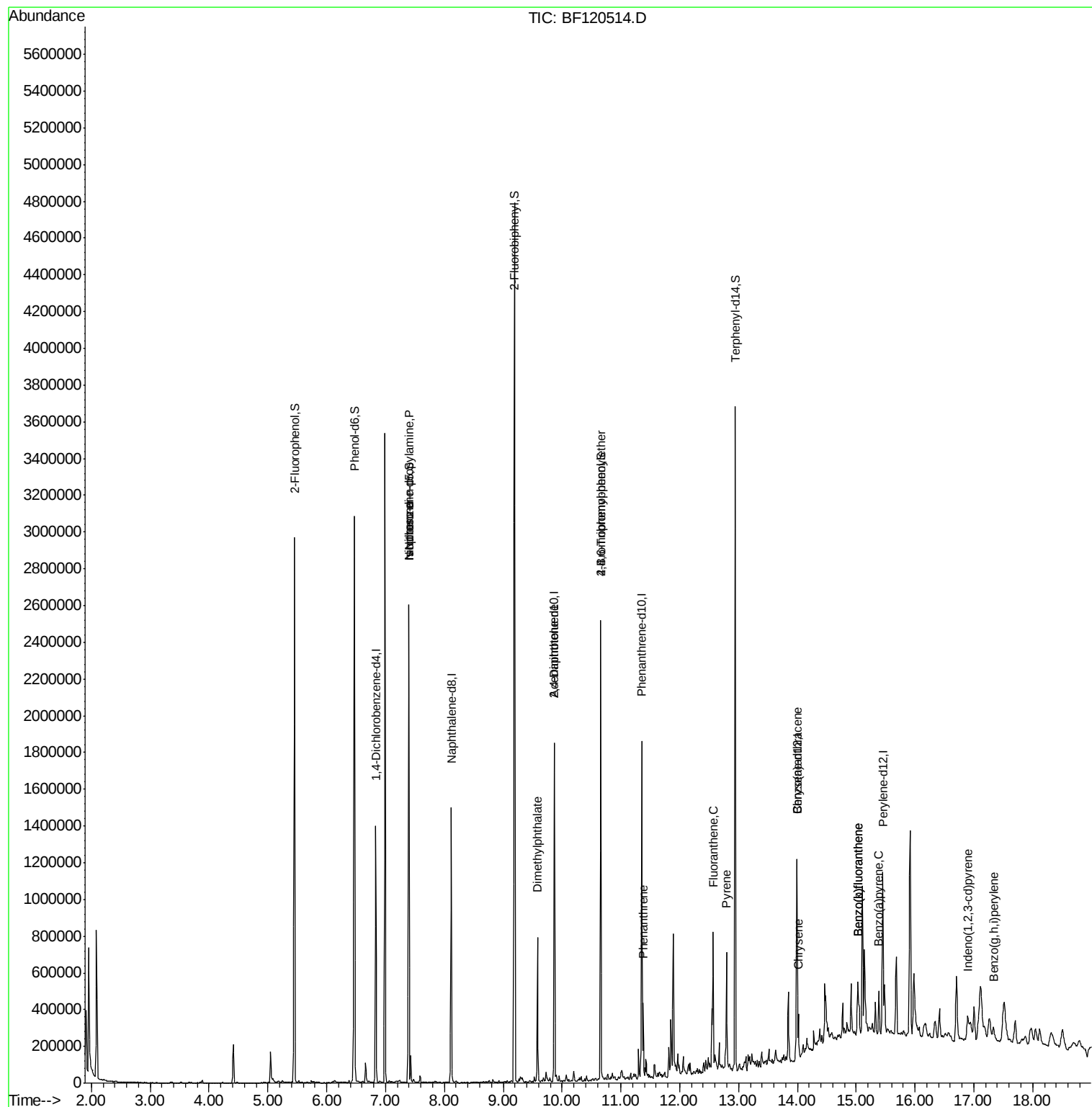
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	115023	13.872	ng	# 76
25) Isophorone	7.40	82	859610	44.808	ng	# 64
50) Dimethylphthalate	9.59	163	317525	13.450	ng	99
57) 2,4-Dinitrotoluene	9.87	165	48347	7.201	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	21196	3.239	ng	# 1
71) Phenanthrene	11.38	178	122505	4.289	ng	96
75) Fluoranthene	12.57	202	269965	8.784	ng	99
78) Pyrene	12.80	202	246627	10.166	ng	98
81) Benzo(a)anthracene	13.99	228	105383	5.636	ng	95
83) Chrysene	14.02	228	104689	5.341	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	68062	2.959	ng	96
88) Benzo(b)fluoranthene	15.03	252	219269	9.388	ng	# 98
89) Benzo(k)fluoranthene	15.03	252	219269	10.057	ng	# 97
90) Benzo(a)pyrene	15.39	252	112700	5.517	ng	98
92) Benzo(a,h,i)perylene	17.33	276	62314	3.370	ng	96

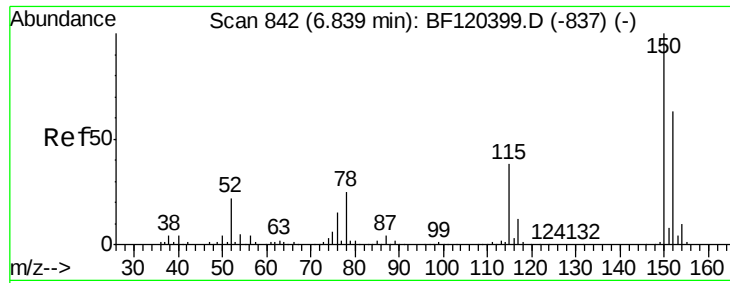
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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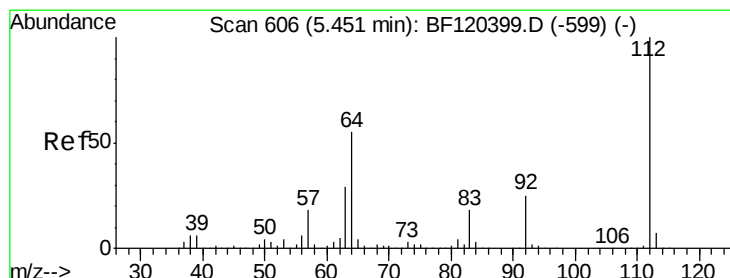
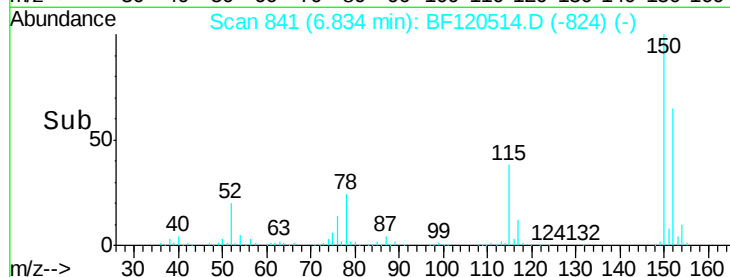
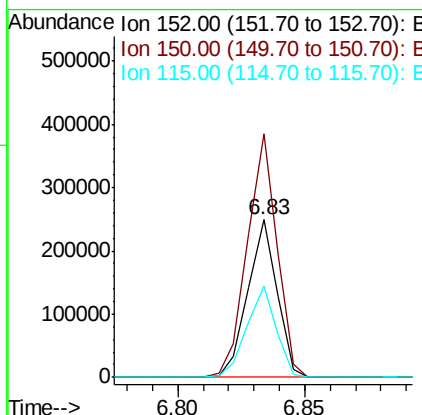
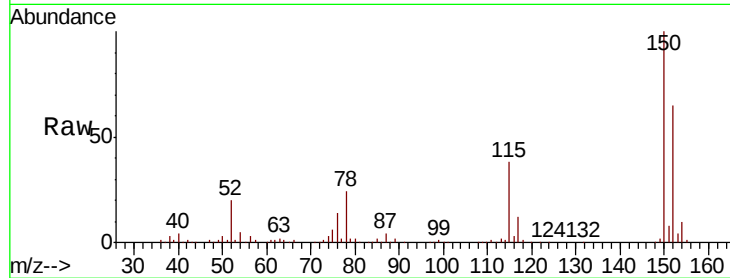


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

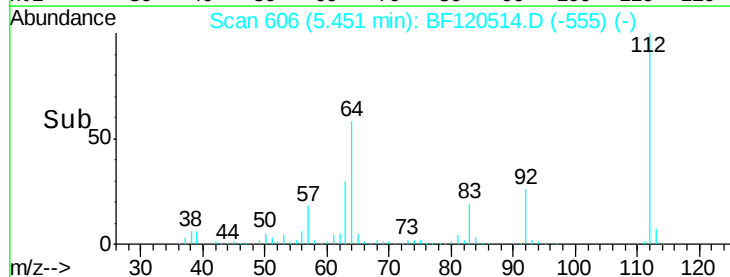
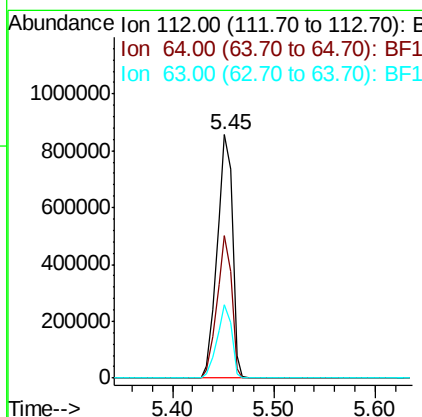
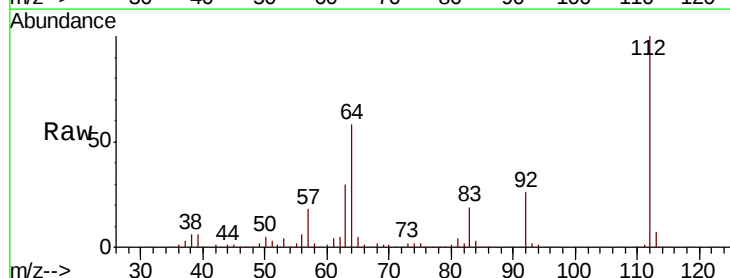
Tot Ion:152 Resp: 201687
Ion Ratio Lower Upper
152 100
150 154.3 127.1 190.7
115 58.2 48.7 73.1



#5

2-Fluorophenol
Concen: 84.367 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Tgt Ion:112 Resp: 892863
Ion Ratio Lower Upper
112 100
64 58.5 45.8 68.8
63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 96.832 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

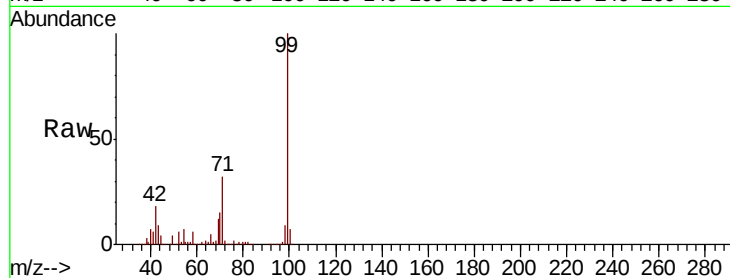
Tot Ion: 99 Resp: 1263121

Ion Ratio Lower Upper

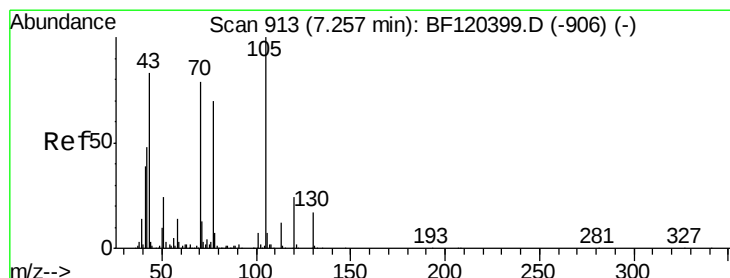
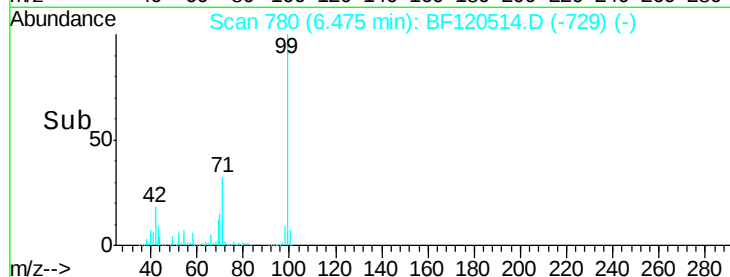
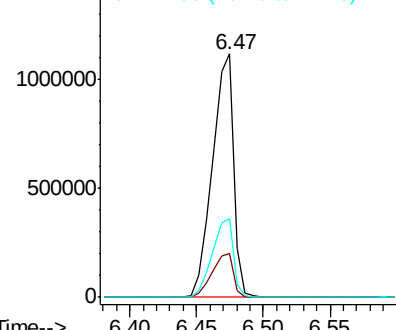
99 100

42 17.9 15.0 22.4

71 32.4 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 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: 13.872 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

Tgt Ion: 70 Resp: 115023

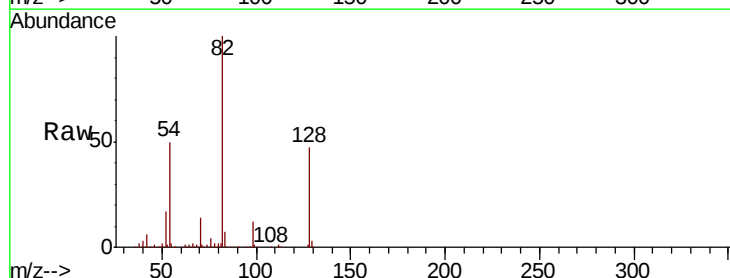
Ion Ratio Lower Upper

70 100

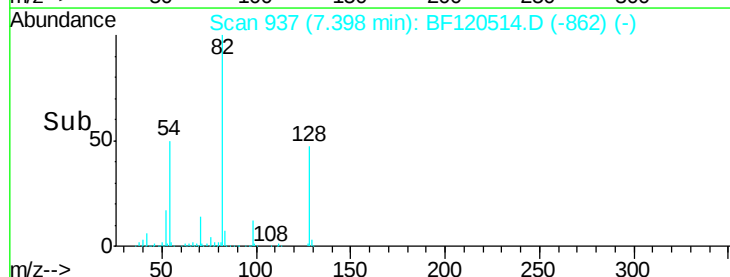
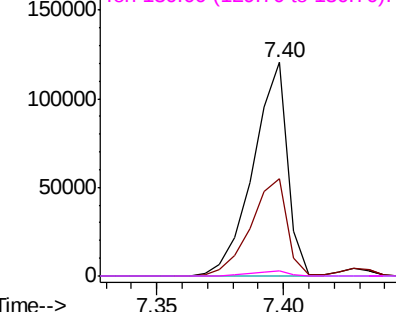
42 45.7 47.6 71.4#

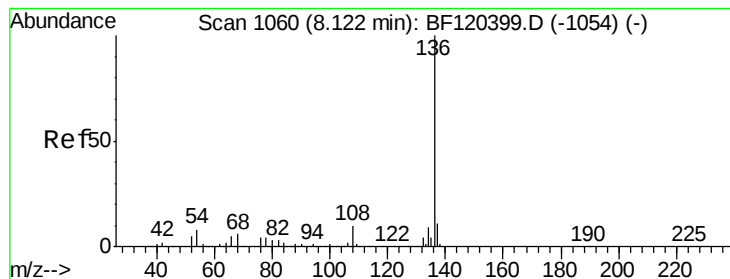
101 0.0 7.4 11.0#

130 2.2 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: BF120514.D

Acq: 3 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

Tot Ion:136 Resp: 624373

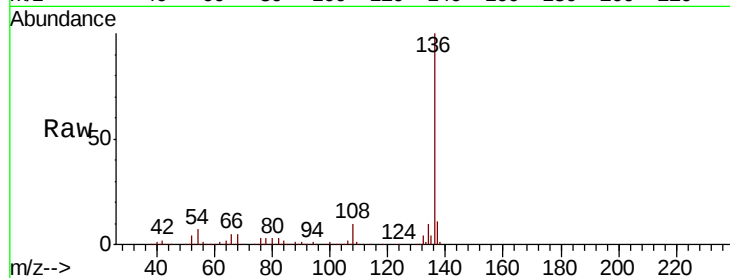
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.2 6.0 9.0

68 5.2 4.8 7.2

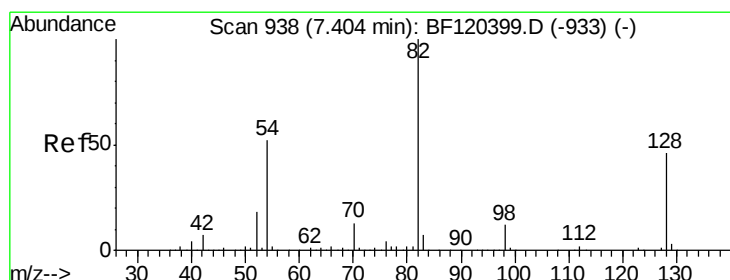
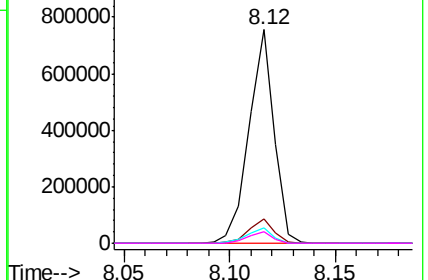
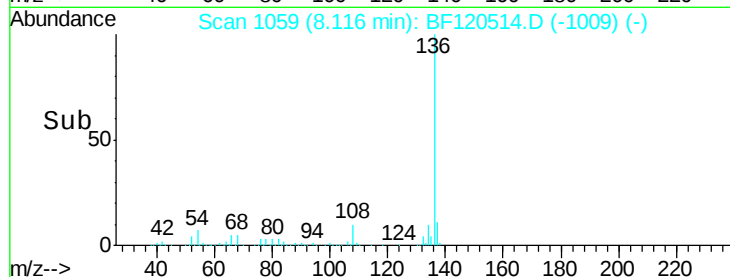


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.804 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

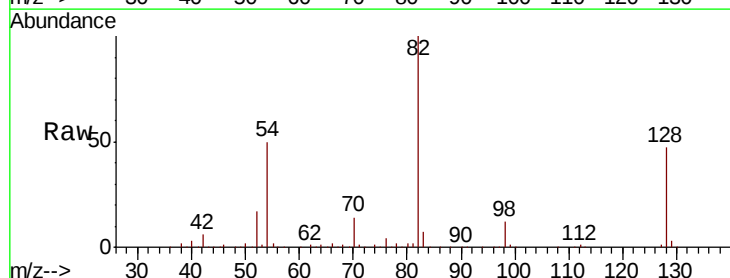
Tgt Ion: 82 Resp: 866728

Ion Ratio Lower Upper

82 100

128 47.1 37.4 56.0

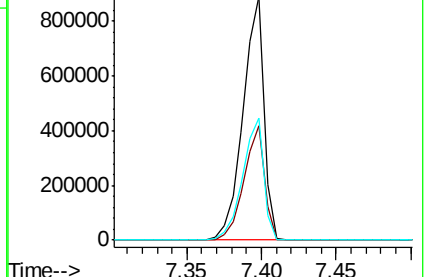
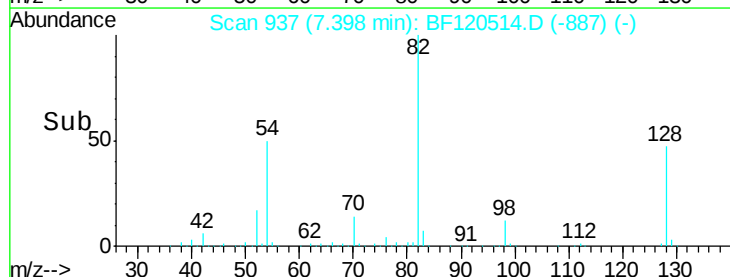
54 50.0 40.7 61.1



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: 44.808 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

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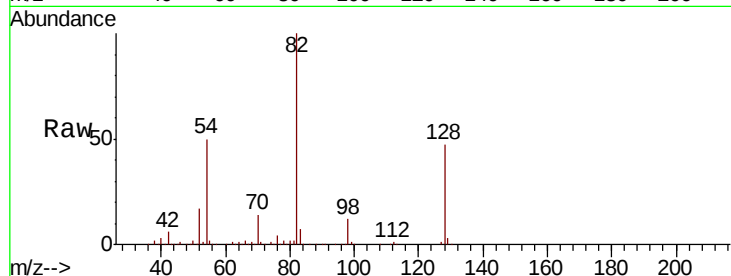
Tot Ion: 82 Resp: 859610

Ion Ratio Lower Upper

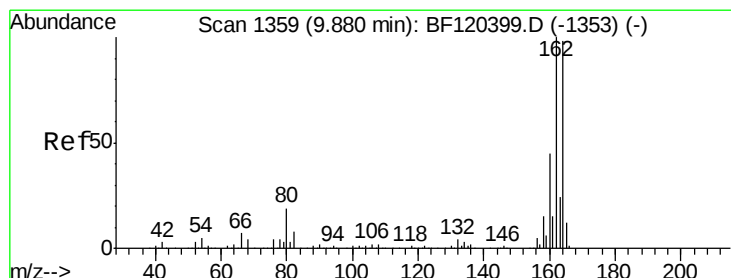
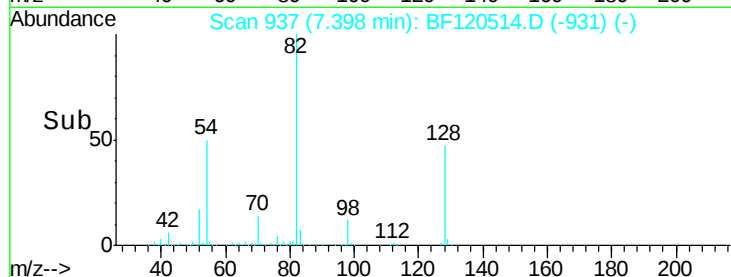
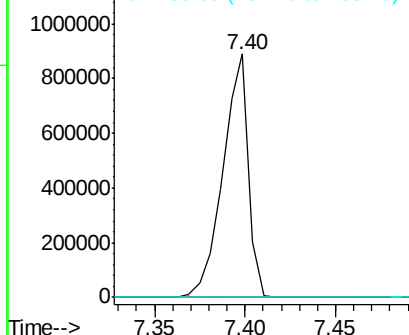
82 100

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: BF120514.D

Acq: 3 Jun 2020 17:24

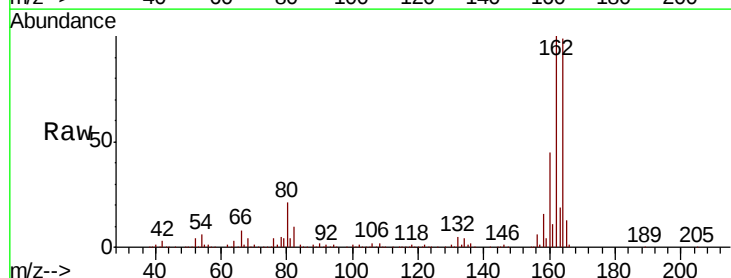
Tgt Ion:164 Resp: 377610

Ion Ratio Lower Upper

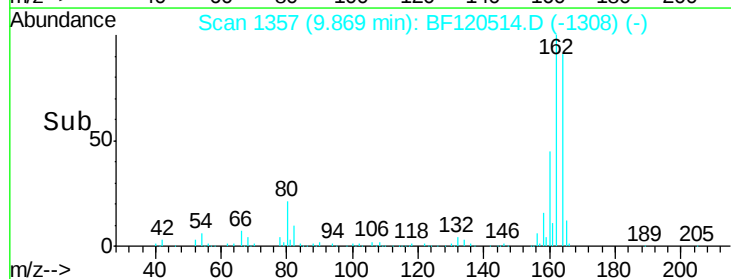
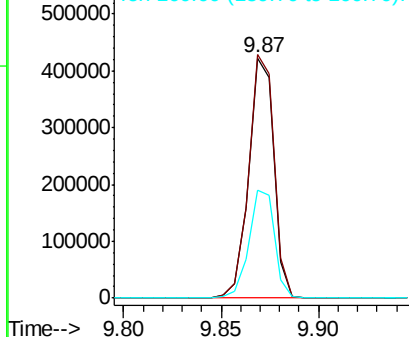
164 100

162 101.5 81.8 122.6

160 45.2 37.3 55.9



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

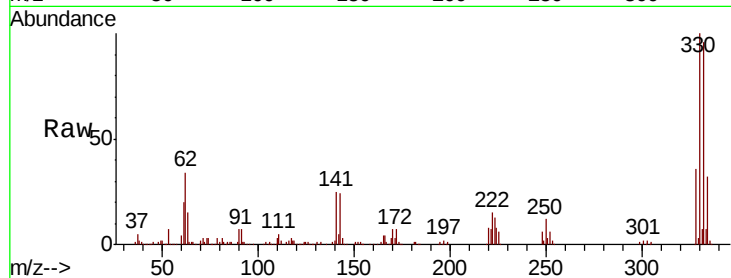




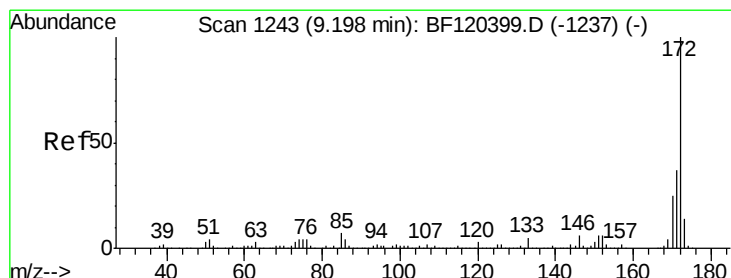
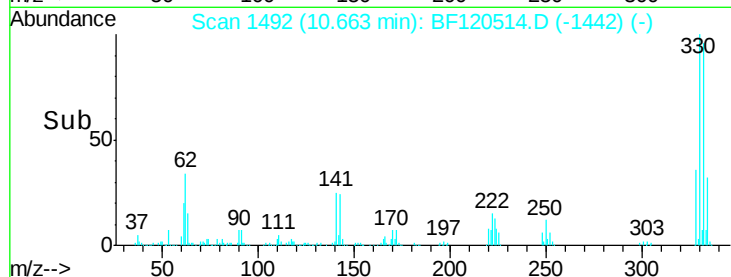
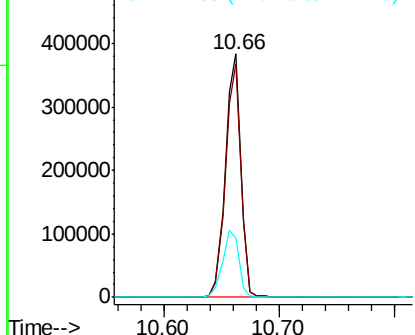
#42
 2,4,6-Tribromophenol
 Concen: 102.092 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120514.D
 Acq: 3 Jun 2020 17:24

Instrument :
 BNA_F
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 NM20-COMP-2020-0-6

Tot Ion:330 Resp: 357193
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 29.4 23.5 35.3

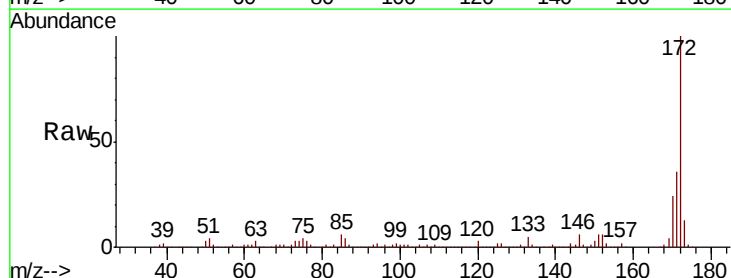


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

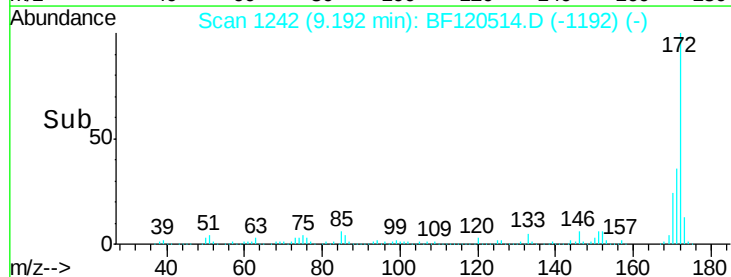
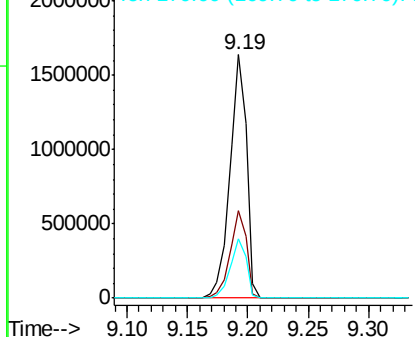


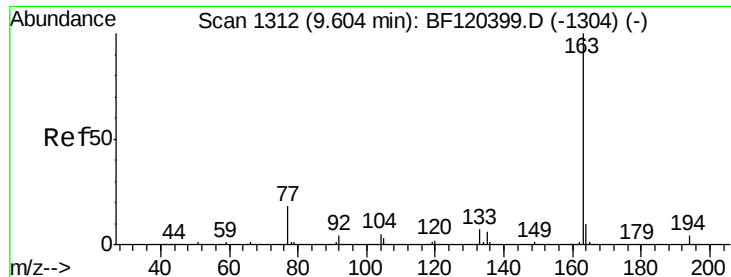
#45
 2-Fluorobiphenyl
 Concen: 70.582 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120514.D
 Acq: 3 Jun 2020 17:24

Tgt Ion:172 Resp: 1570857
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 24.2 20.1 30.1



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

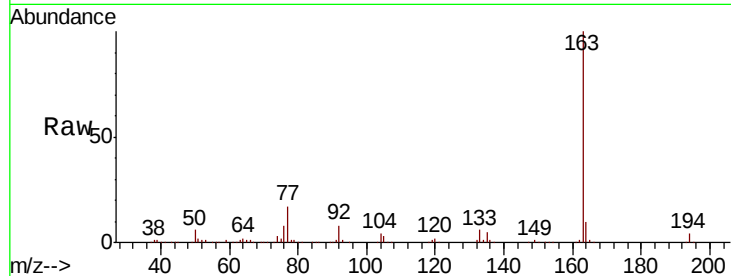




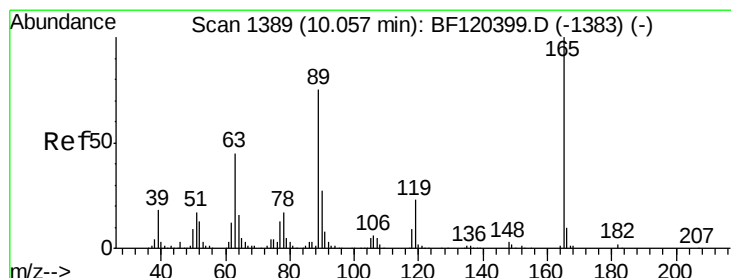
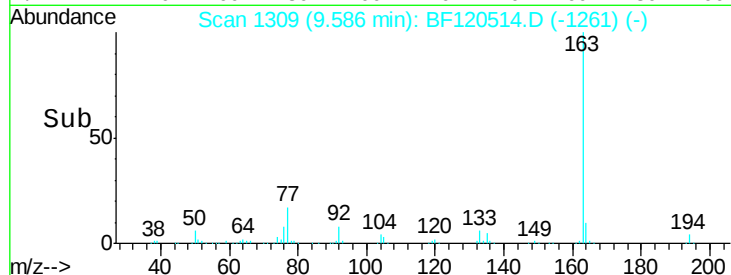
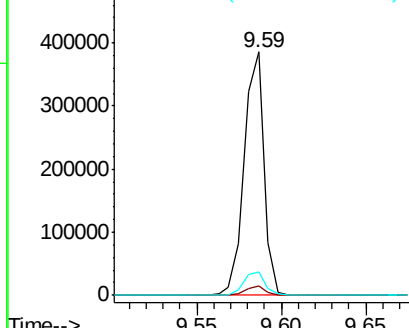
#50
Dimethylphthalate
Concen: 13.450 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Instrument :
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NM20-COMP-2020-0-6

Tot Ion:163 Resp: 317525
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.8 8.2 12.4

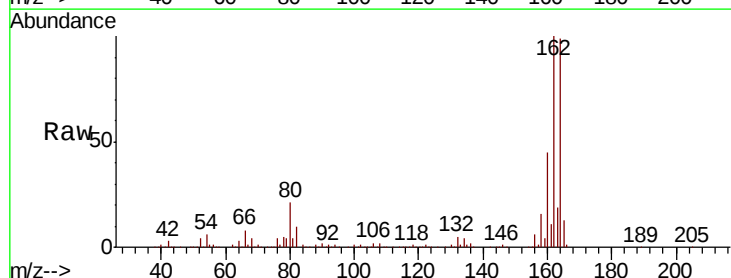


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

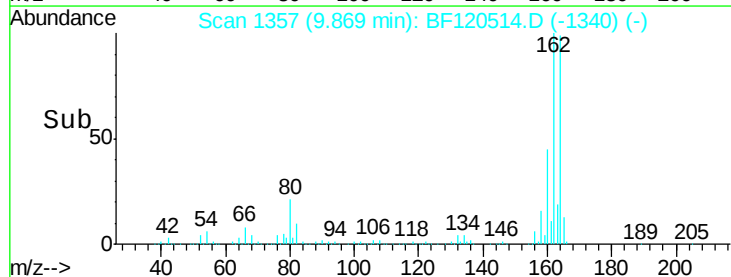
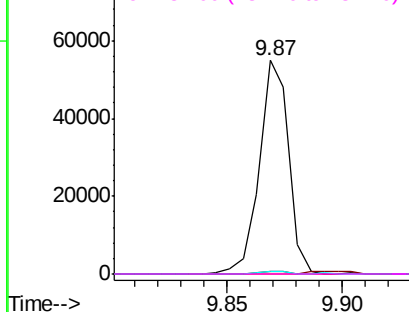


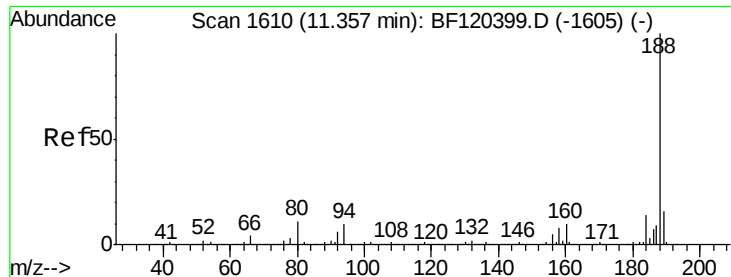
#57
2,4-Dinitrotoluene
Concen: 7.201 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Tgt Ion:165 Resp: 48347
Ion Ratio Lower Upper
165 100
63 1.3 33.4 50.0#
89 1.0 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

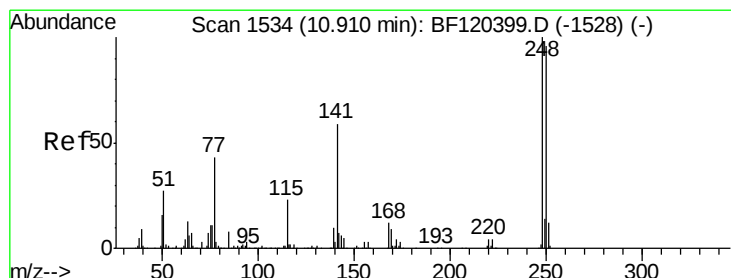
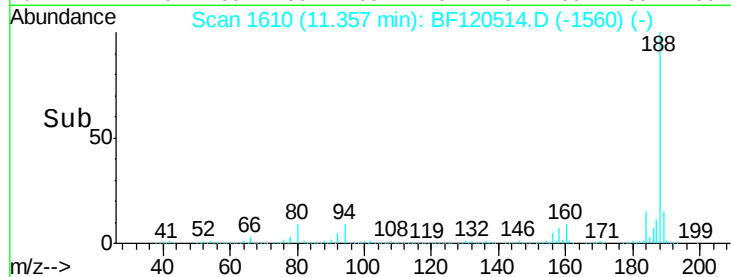
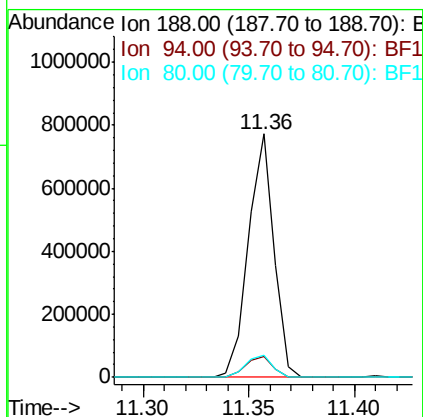
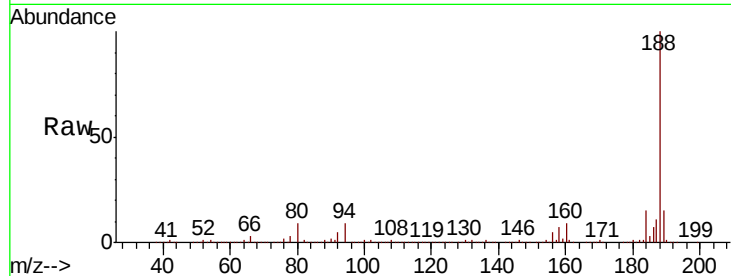




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

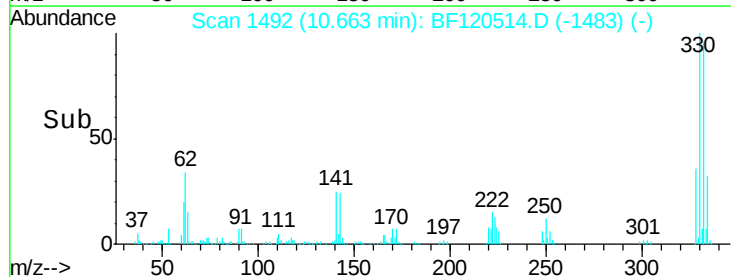
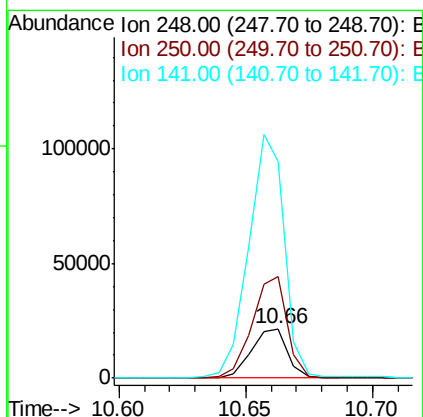
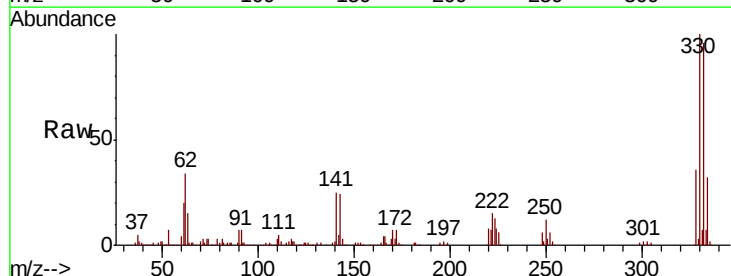
Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

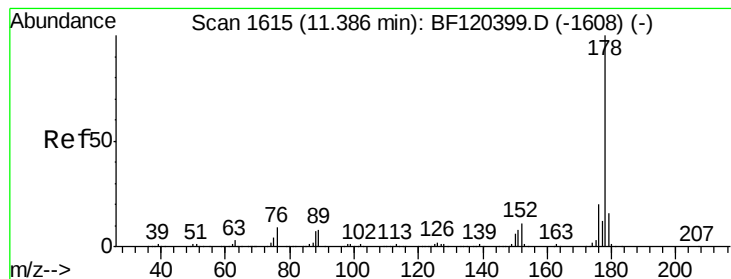
Tot Ion:188 Resp: 648216
Ion Ratio Lower Upper
188 100
94 8.8 7.5 11.3
80 9.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.239 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Tgt Ion:248 Resp: 21196
Ion Ratio Lower Upper
248 100
250 206.7 78.0 117.0#
141 441.3 50.3 75.5#





#71

Phenanthrene

Concen: 4.289 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

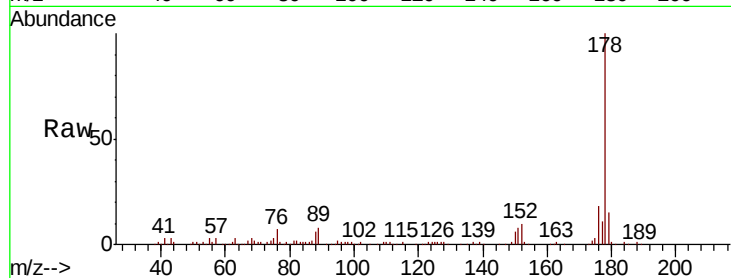
Tot Ion:178 Resp: 122505

Ion Ratio Lower Upper

178 100

176 18.5 16.6 24.8

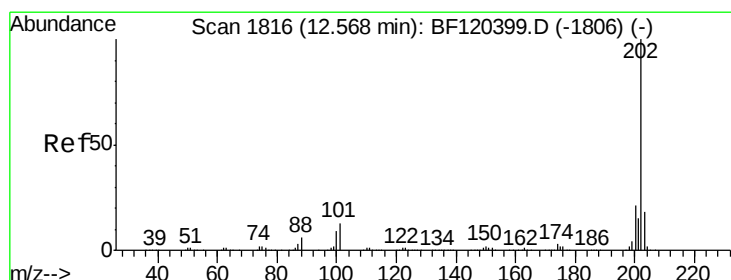
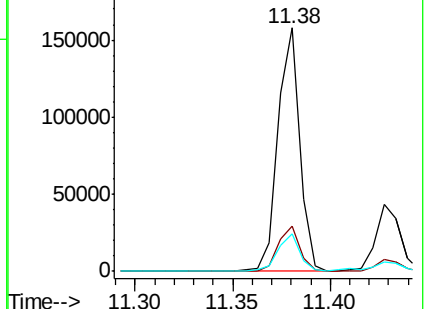
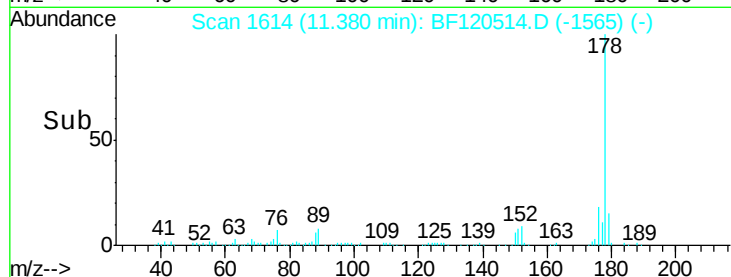
179 15.2 13.0 19.4



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



#75

Fluoranthene

Concen: 8.784 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

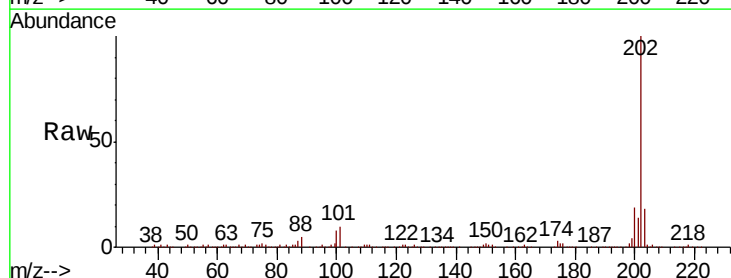
Tgt Ion:202 Resp: 269965

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.4

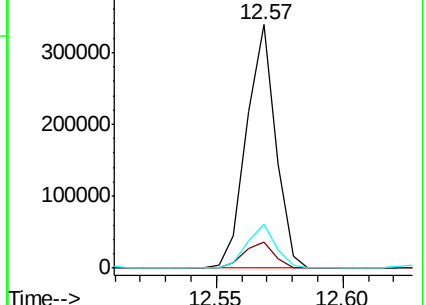
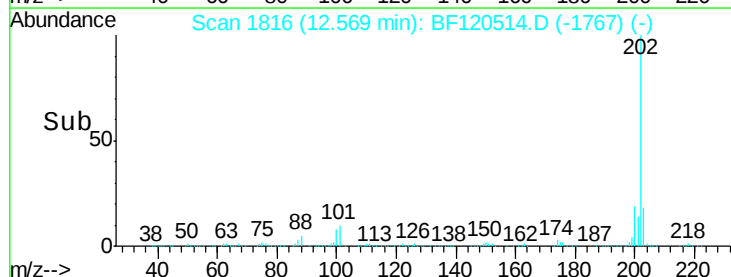
203 17.9 0.0 38.2

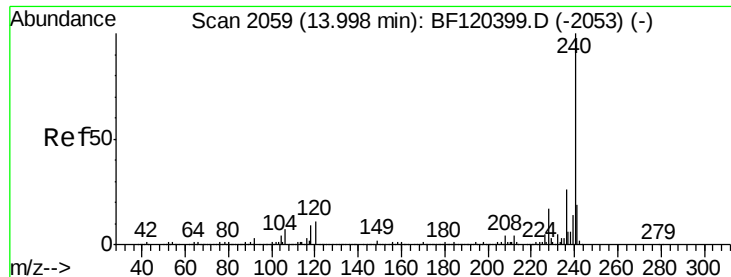


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

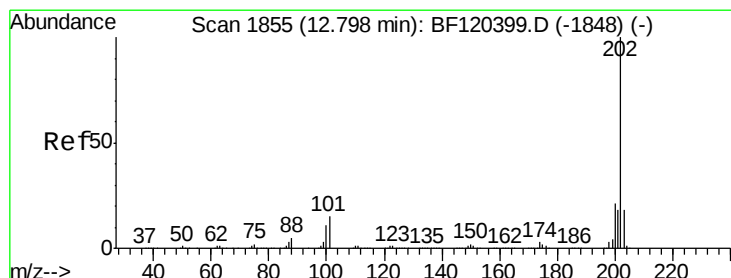
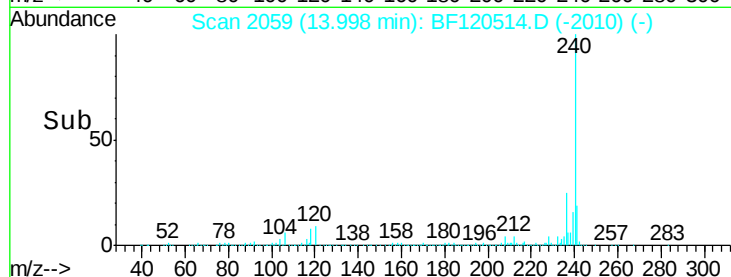
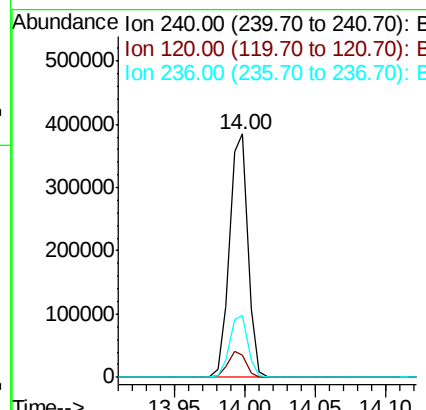
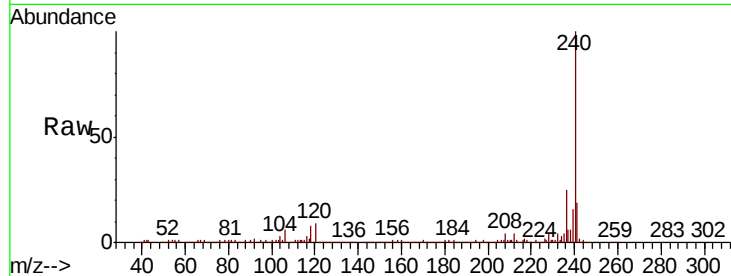




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

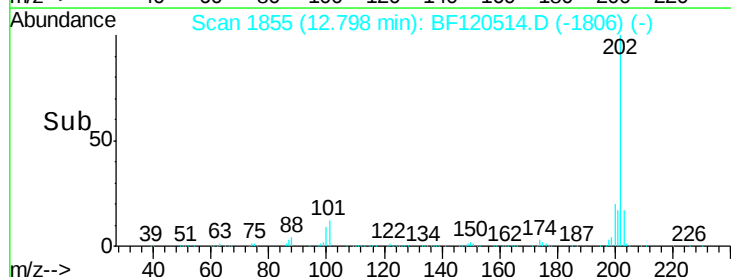
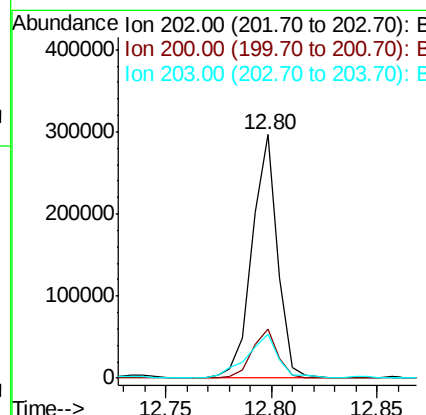
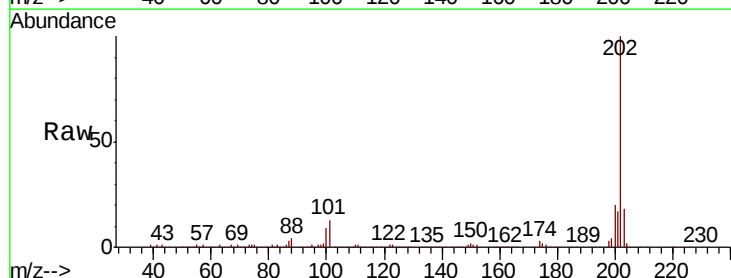
Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

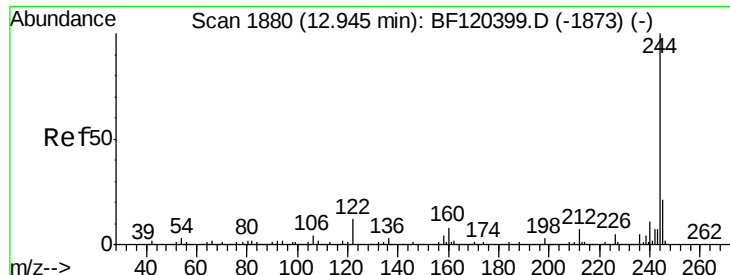
Tot Ion:240 Resp: 348857
Ion Ratio Lower Upper
240 100
120 8.9 7.9 11.9
236 25.4 21.1 31.7



#78
Pyrene
Concen: 10.166 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Tgt Ion:202 Resp: 246627
Ion Ratio Lower Upper
202 100
200 20.3 17.3 25.9
203 17.8 14.5 21.7





#79

Terphenyl-d14

Concen: 83.376 ng

RT: 12.95 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

Instrument :

BNA_F

ClientSampleId :

NM20-COMP-2020-0-6

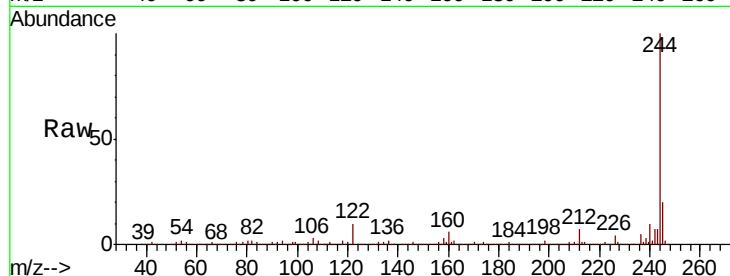
Tot Ion:244 Resp: 1307109

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

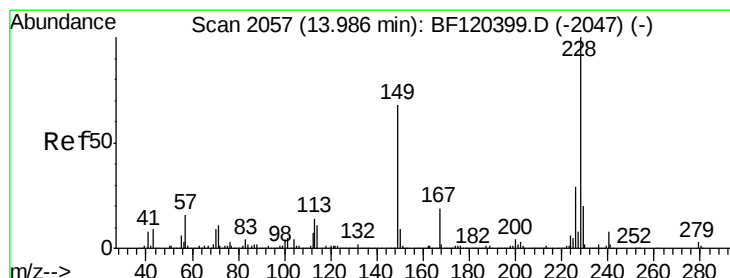
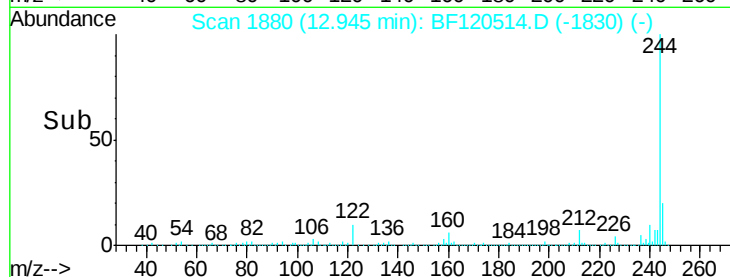
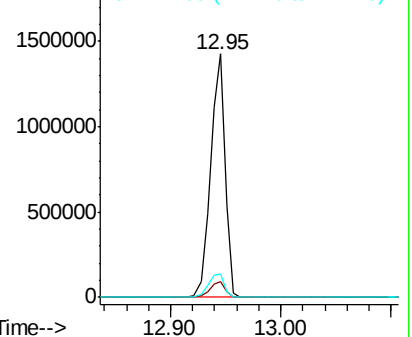
122 9.8 8.2 12.4



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: 5.636 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120514.D

Acq: 3 Jun 2020 17:24

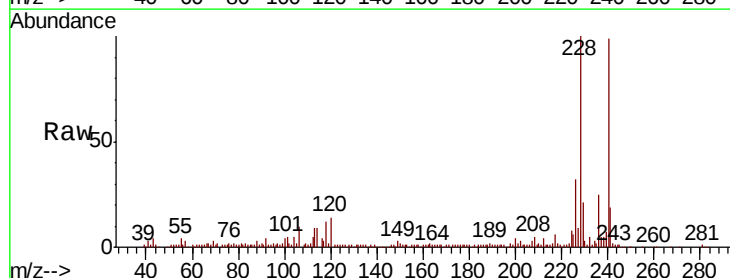
Tgt Ion:228 Resp: 105383

Ion Ratio Lower Upper

228 100

226 32.2 22.7 34.1

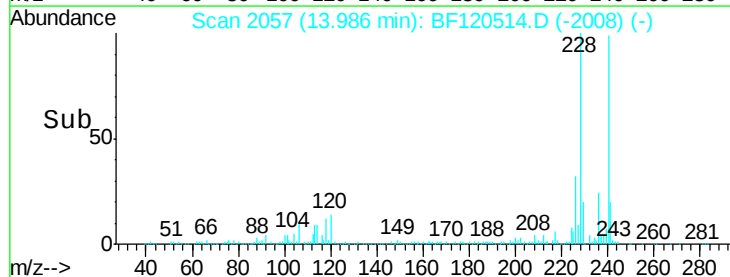
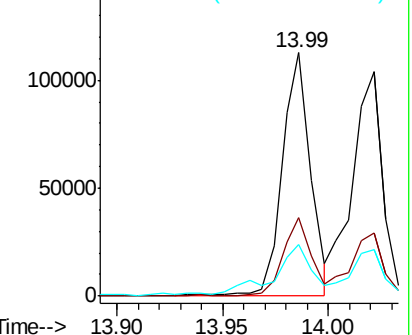
229 21.1 16.3 24.5

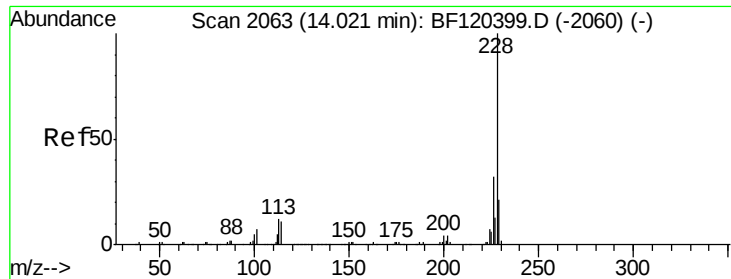


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

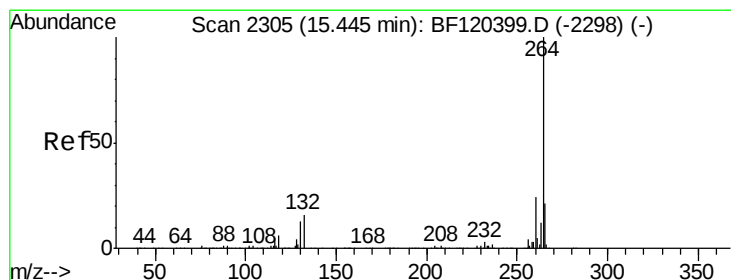
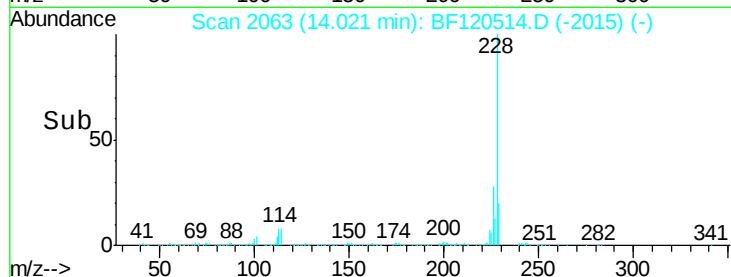
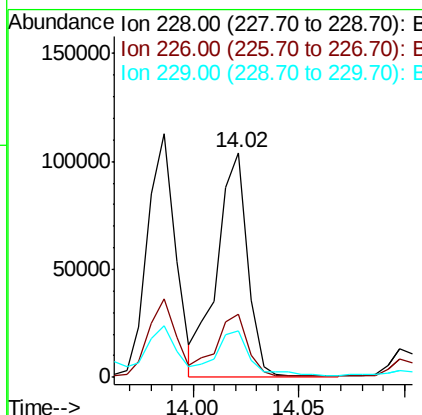
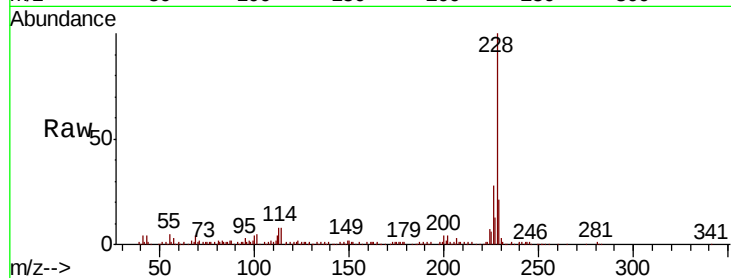




#83
Chrysene
Concen: 5.341 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

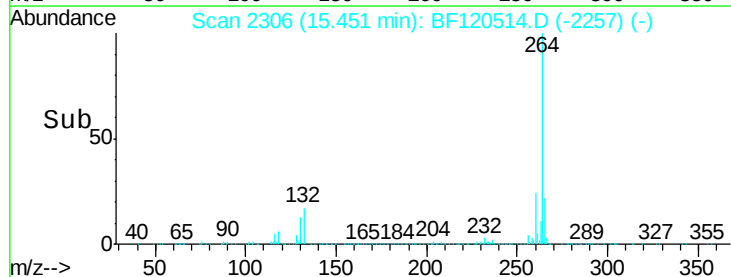
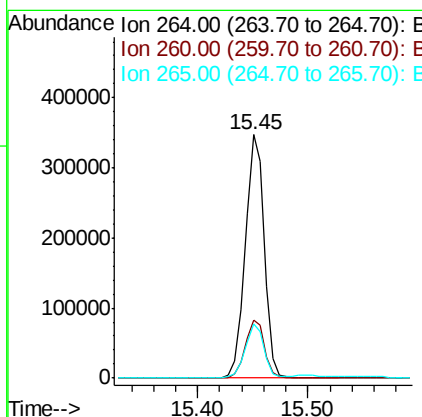
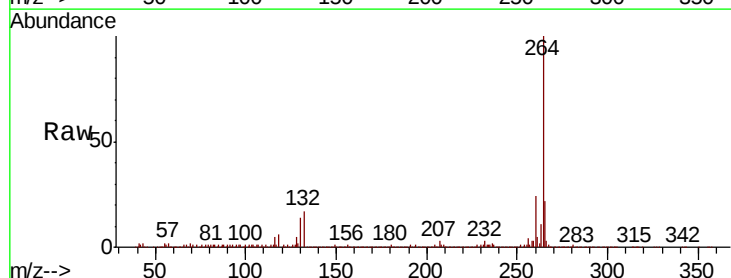
Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

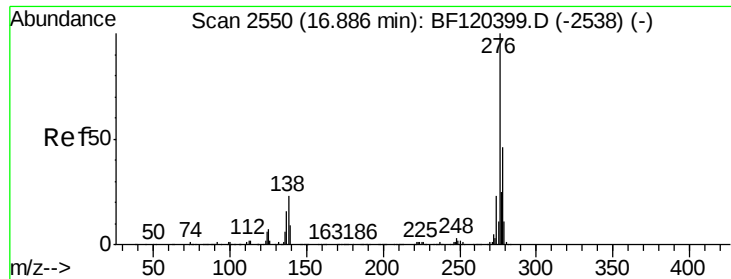
Tot Ion:228 Resp: 104689
Ion Ratio Lower Upper
228 100
226 28.1 25.2 37.8
229 20.9 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Tgt Ion:264 Resp: 420492
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.8
265 22.0 17.5 26.3

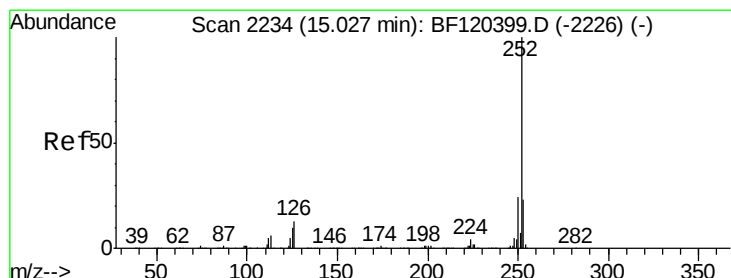
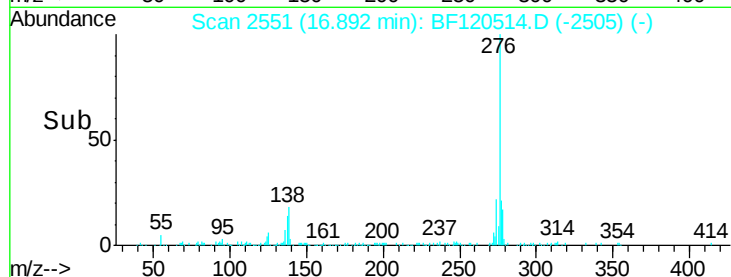
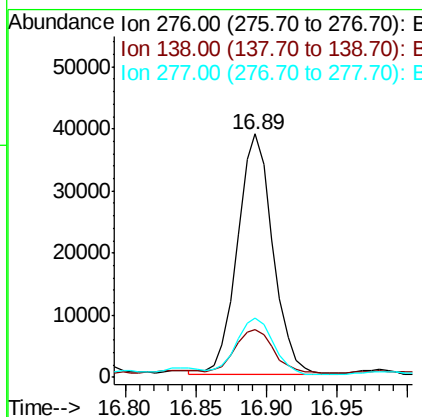
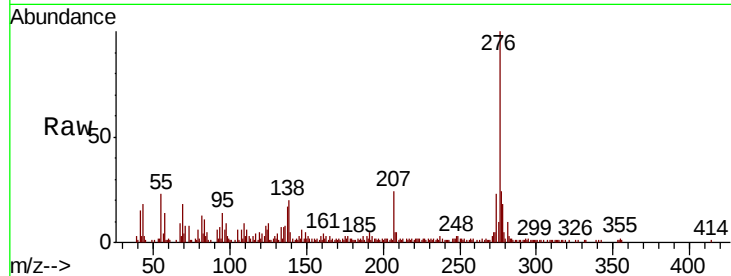




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.959 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.03 min
 Lab File: BF120514.D
 Acq: 3 Jun 2020 17:24

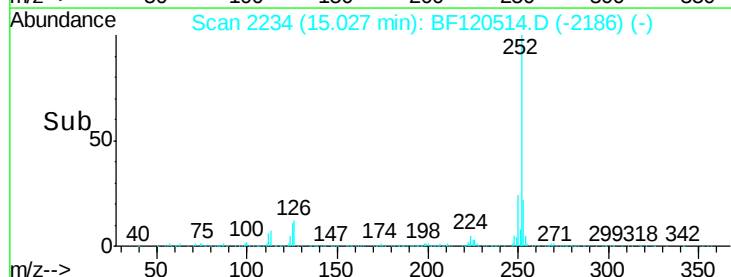
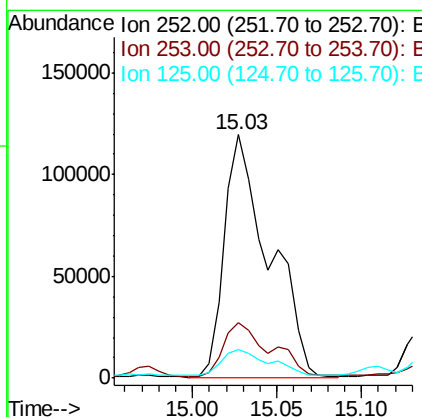
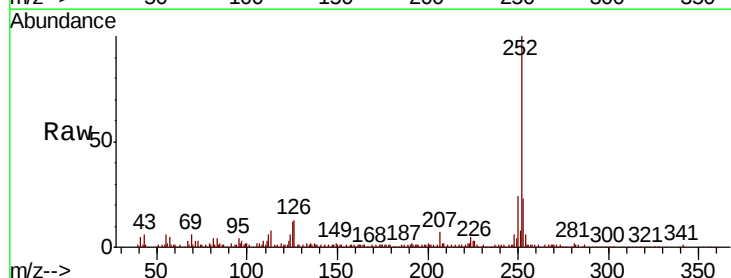
Instrument :
 BNA_F
 ClientSampleId :
 NM20-COMP-2020-0-6

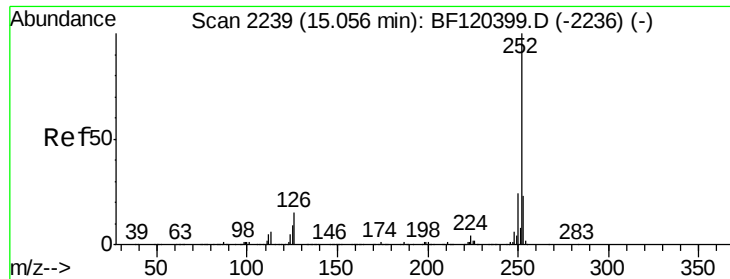
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.2	28.8
277	25.4	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 9.388 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120514.D
 Acq: 3 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.7	7.6	11.4

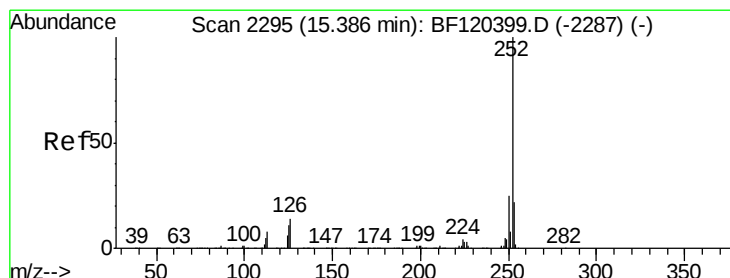
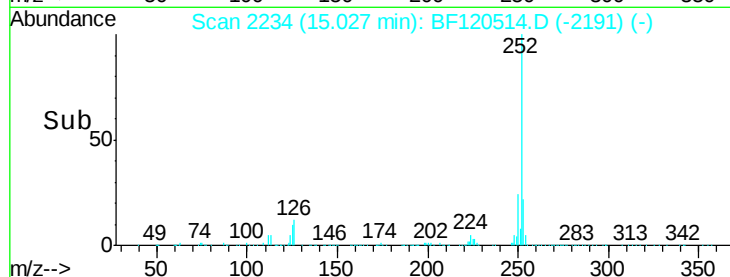
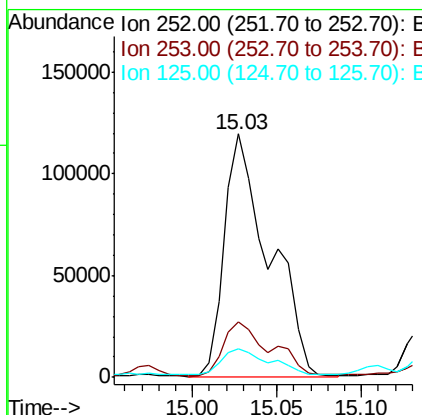
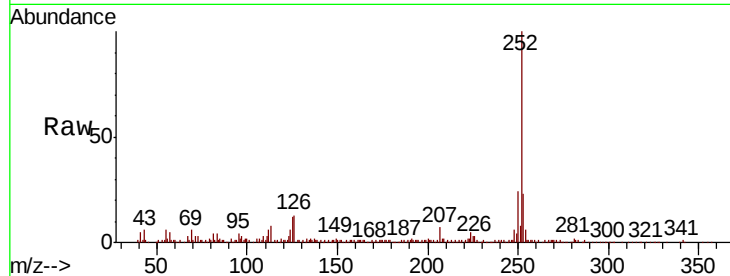




#89
Benzo(k)fluoranthene
Concen: 10.057 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

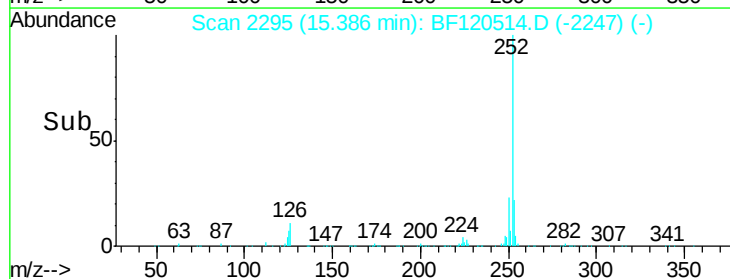
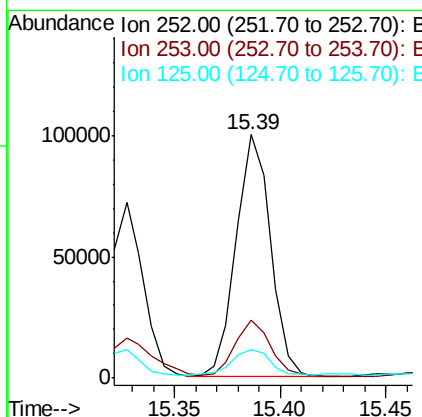
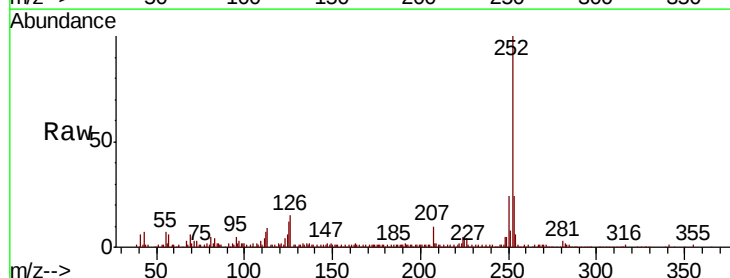
Instrument :
BNA_F
ClientSampleId :
NM20-COMP-2020-0-6

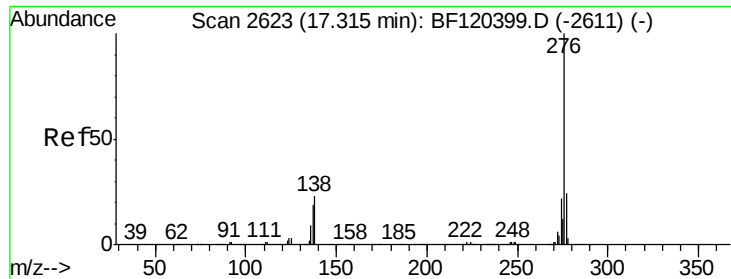
Tot Ion:252 Resp: 219269
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 11.7 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 5.517 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120514.D
Acq: 3 Jun 2020 17:24

Tgt Ion:252 Resp: 112700
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 11.9 9.2 13.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.370 ng
 RT: 17.33 min Scan# 2626
 Delta R.T. -0.03 min
 Lab File: BF120514.D
 Acq: 3 Jun 2020 17:24

Instrument :
 BNA_F
 ClientSampleId :
 NM20-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.4	29.2
138	23.1	16.6	25.0

