

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120524.D
 Acq On : 3 Jun 2020 22:00
 Operator : JU/CG
 Sample : L2839-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM18-COMP-2020-0-6

Quant Time: Jun 04 00:43:32 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	118477	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	437875	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	210161	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	366629	20.00	ng	0.00
76) Chrysene-d12	14.00	240	259564	20.00	ng	-0.01
86) Perylene-d12	15.46	264	235744	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	734877	118.21	ng	0.00
7) Phenol-d6	6.47	99	962886	125.66	ng	0.00
23) Nitrobenzene-d5	7.40	82	657163	98.17	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	278689	143.12	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1246368	100.62	ng	0.00
79) Terphenyl-d14	12.94	244	1222654	104.82	ng	0.00

Target Compounds

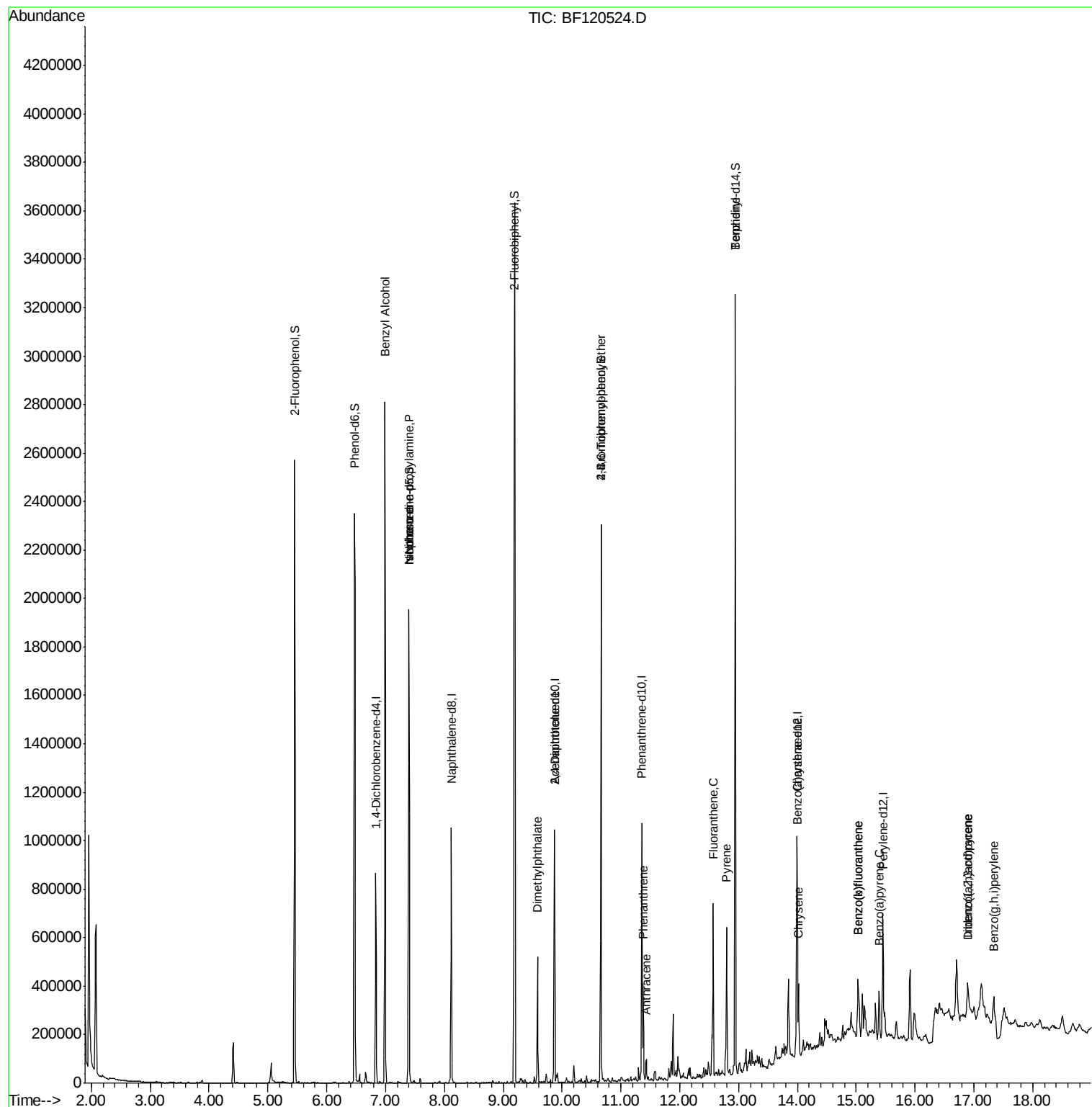
						Qvalue
15) Benzyl Alcohol	6.99	79	12016	2.080	ng	# 52
19) n-Nitroso-di-n-propylamine	7.40	70	89588	18.392	ng	# 77
25) Isophorone	7.40	82	654271	48.630	ng	# 64
50) Dimethylphthalate	9.59	163	194292	14.788	ng	99
57) 2,4-Dinitrotoluene	9.87	165	27150	7.265	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	16885	4.563	ng	# 1
71) Phenanthrene	11.38	178	124275	7.693	ng	98
72) Anthracene	11.43	178	33088	2.041	ng	96
75) Fluoranthene	12.57	202	266401	15.326	ng	99
77) Benzidine	12.94	184	15540	2.279	ng	# 96
78) Pyrene	12.80	202	240272	13.311	ng	96
81) Benzo(a)anthracene	13.99	228	129541	9.312	ng	95
83) Chrysene	14.02	228	109039	7.477	ng	98
87) Indeno(1,2,3-cd)pyrene	16.90	276	95611	7.415	ng	96
88) Benzo(b)fluoranthene	15.03	252	181615	13.870	ng	99
89) Benzo(k)fluoranthene	15.03	252	181615	14.857	ng	98
90) Benzo(a)pyrene	15.39	252	93926	8.201	ng	99
91) Dibenzo(a,h)anthracene	16.91	278	25001	2.378	ng	# 84
92) Benzo(a,h,i)perylene	17.34	276	86327	8.326	ng	99

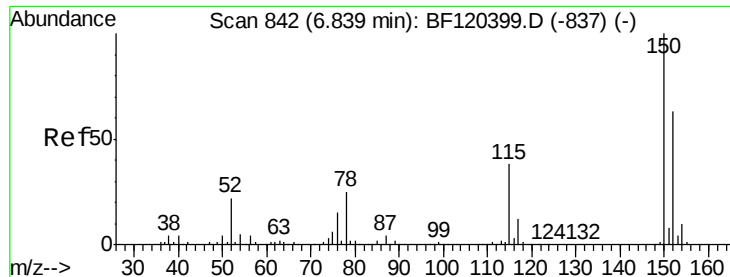
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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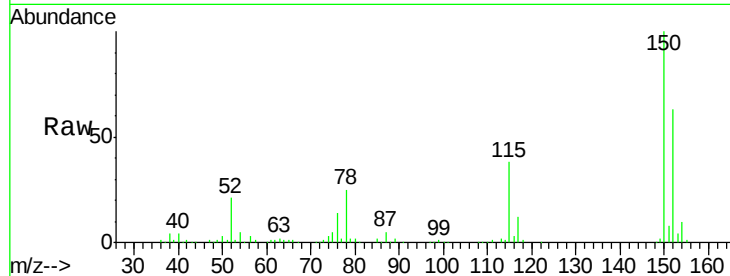


#1

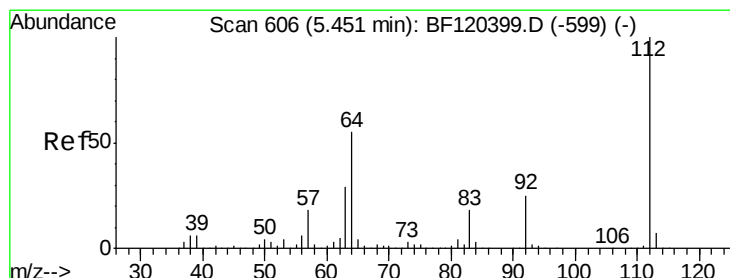
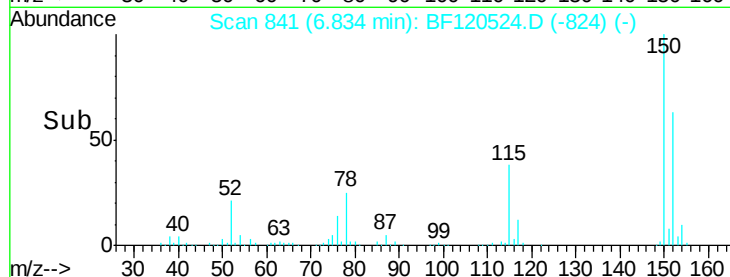
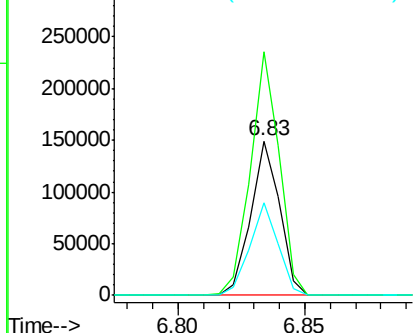
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

Tot Ion:152 Resp: 118477
Ion Ratio Lower Upper
152 100
150 157.8 127.1 190.7
115 60.1 48.7 73.1



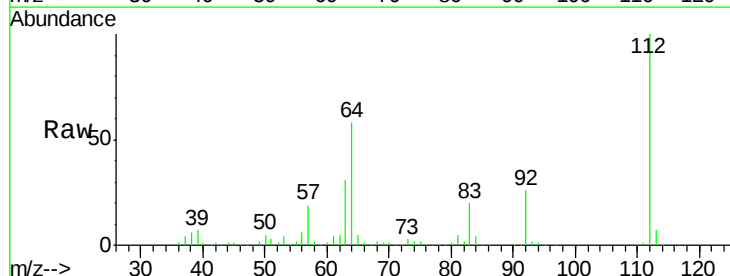
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



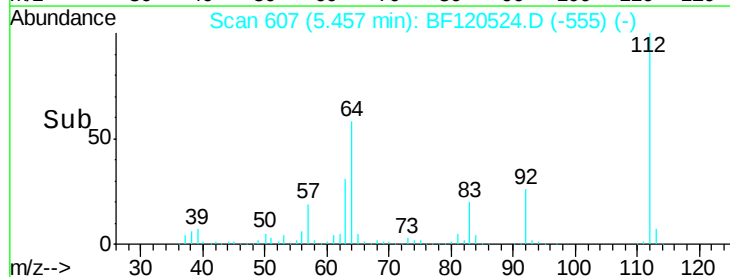
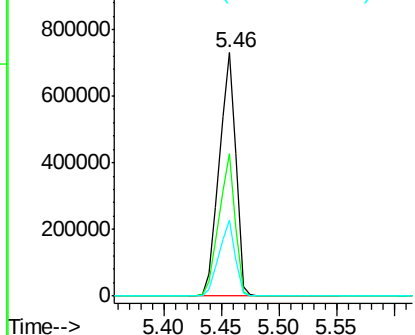
#5

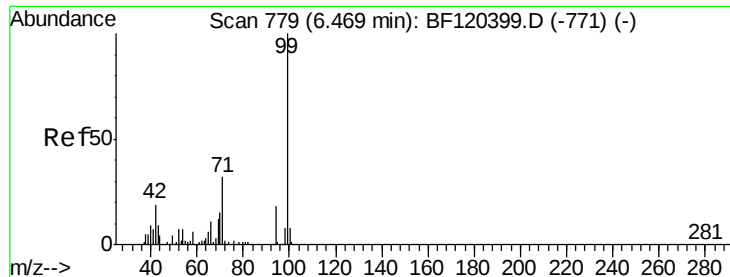
2-Fluorophenol
Concen: 118.208 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:112 Resp: 734877
Ion Ratio Lower Upper
112 100
64 58.4 45.8 68.8
63 31.1 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: 125.659 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120524.D

Acq: 3 Jun 2020 22:00

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6

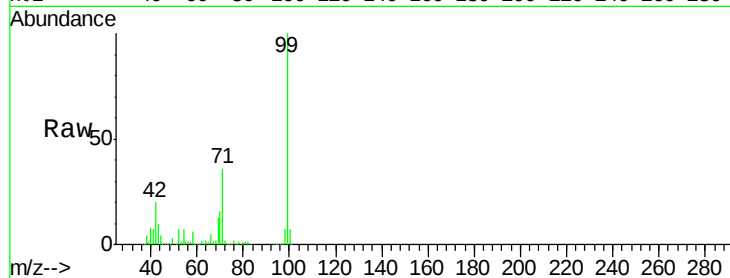
Tot Ion: 99 Resp: 962886

Ion Ratio Lower Upper

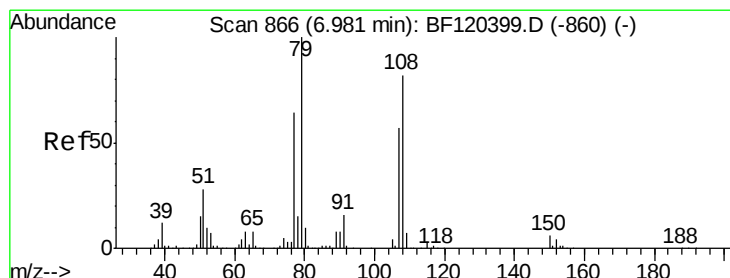
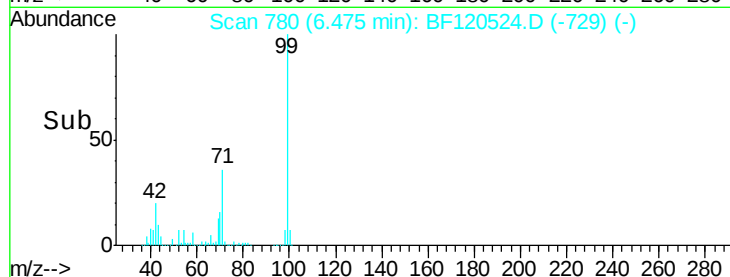
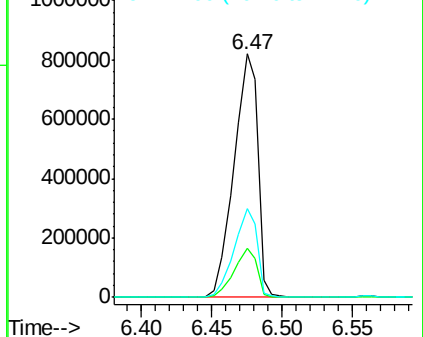
99 100

42 20.2 15.0 22.4

71 36.2 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



#15

Benzyl Alcohol

Concen: 2.080 ng

RT: 6.99 min Scan# 868

Delta R.T. 0.01 min

Lab File: BF120524.D

Acq: 3 Jun 2020 22:00

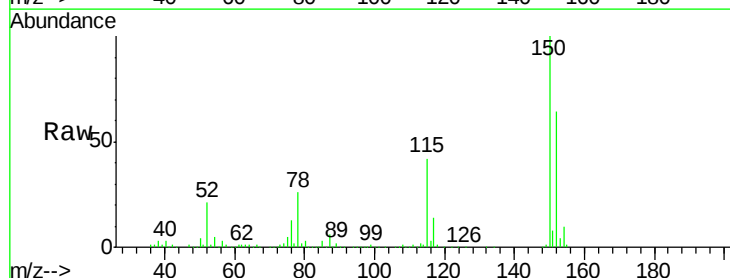
Tgt Ion: 79 Resp: 12016

Ion Ratio Lower Upper

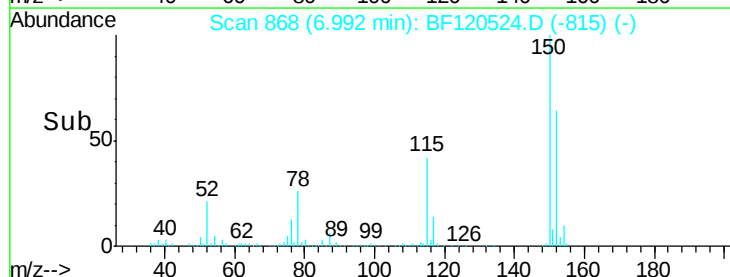
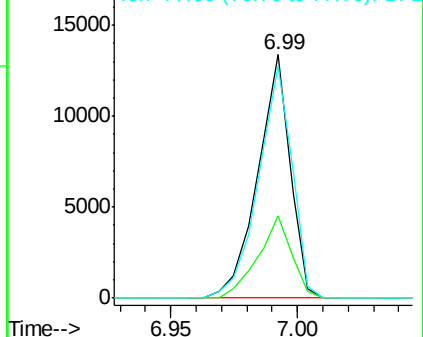
79 100

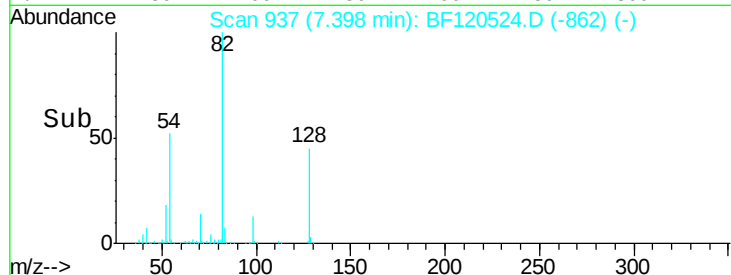
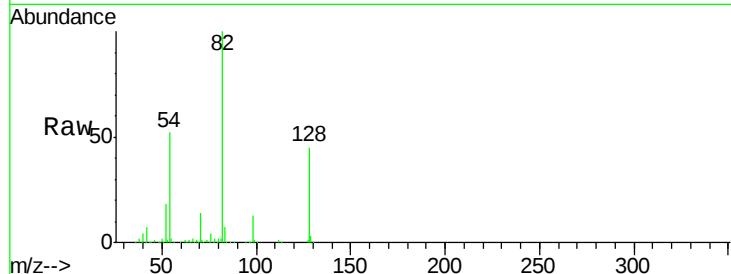
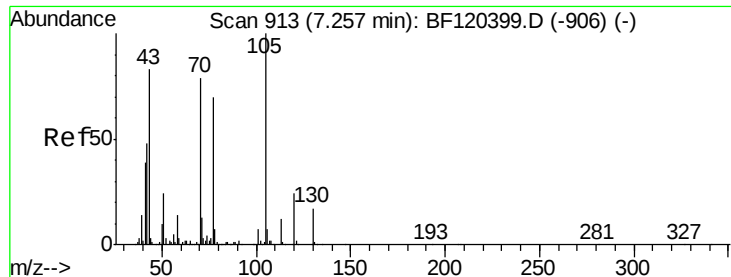
108 34.0 64.6 96.8#

77 95.2 50.2 75.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

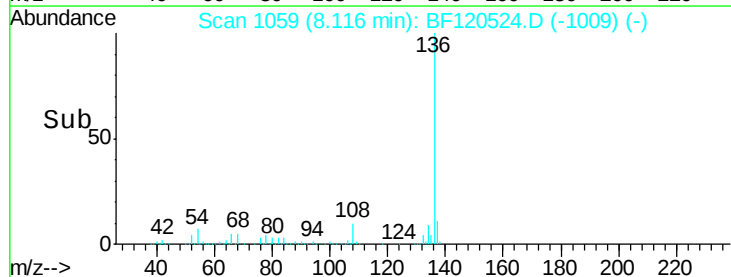
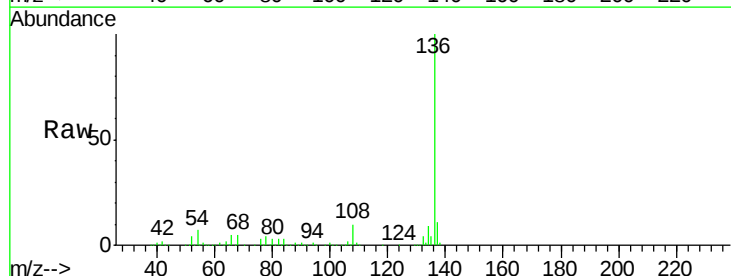
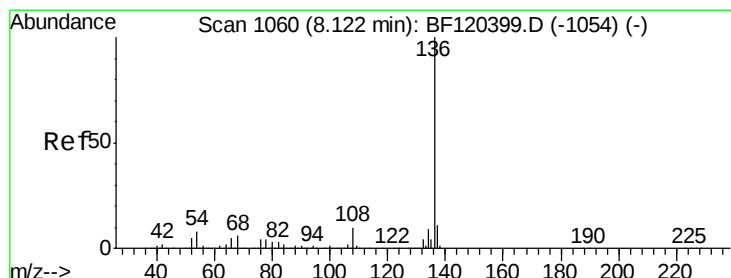
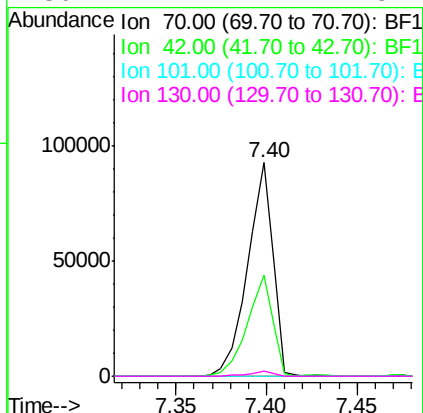




#19
n-Nitroso-di-n-propylamine
Concen: 18.392 ng
RT: 7.40 min Scan# 937
Delta R.T. 0.14 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

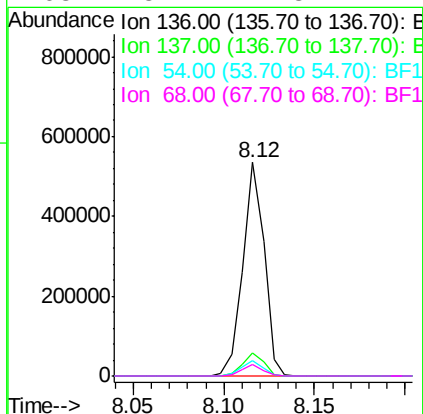
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BNA_F
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NM18-COMP-2020-0-6

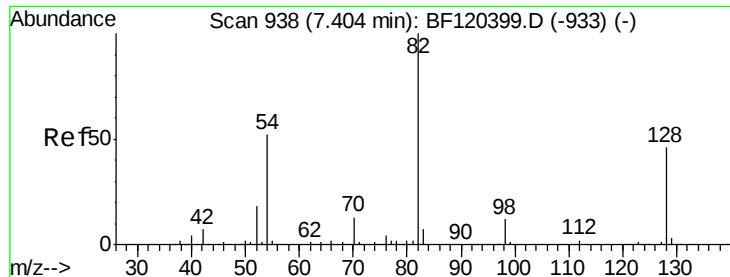
Tot Ion: 70 Resp: 89588
Ion Ratio Lower Upper
70 100
42 47.5 47.6 71.4#
101 0.0 7.4 11.0#
130 2.4 17.1 25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion: 136 Resp: 437875
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 7.0 6.0 9.0
68 5.2 4.8 7.2

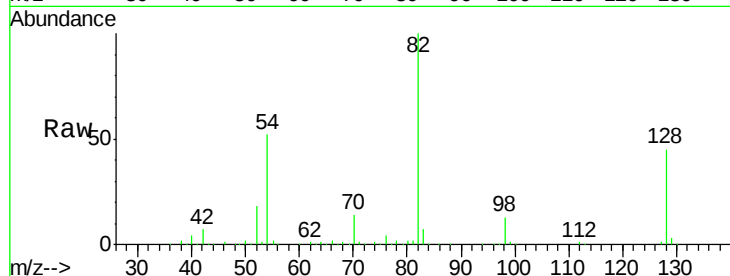




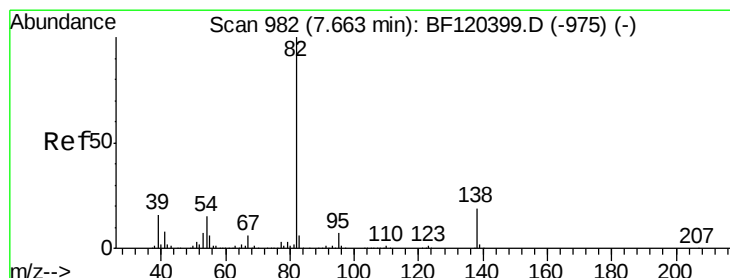
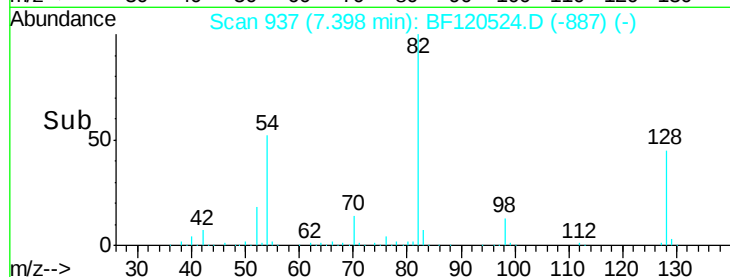
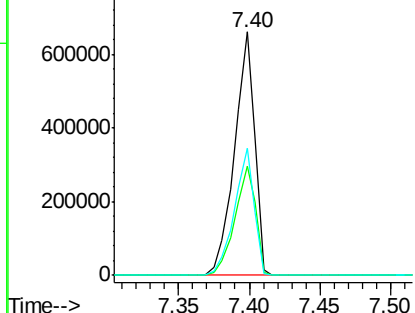
#23
Nitrobenzene-d5
Concen: 98.172 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

Tot Ion: 82 Resp: 657163
Ion Ratio Lower Upper
82 100
128 45.0 37.4 56.0
54 52.3 40.7 61.1

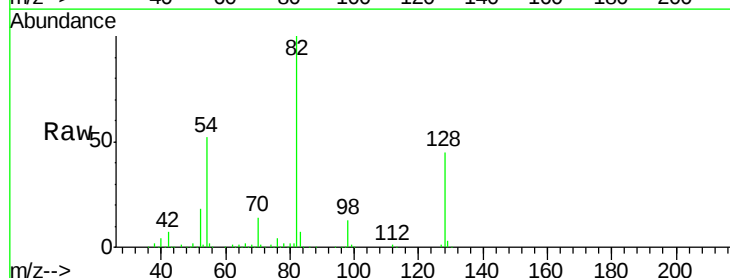


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

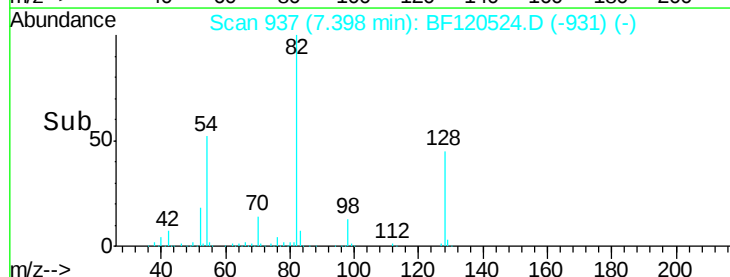
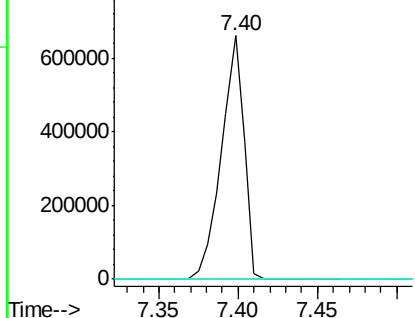


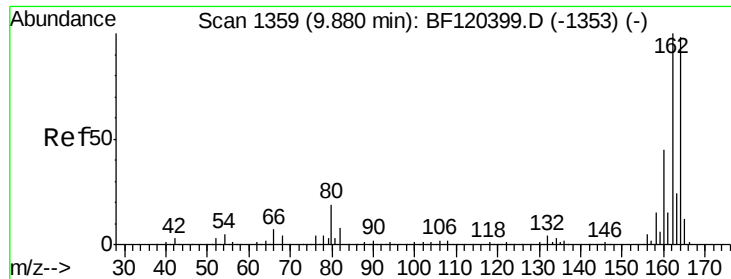
#25
Isophorone
Concen: 48.630 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.26 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion: 82 Resp: 654271
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# 1358

Delta R.T. -0.01 min

Lab File: BF120524.D

Acq: 3 Jun 2020 22:00

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6

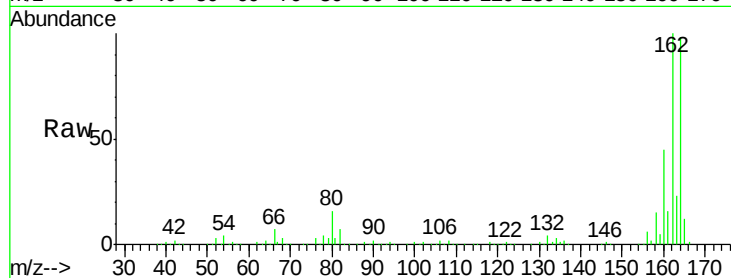
Tot Ion:164 Resp: 210161

Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

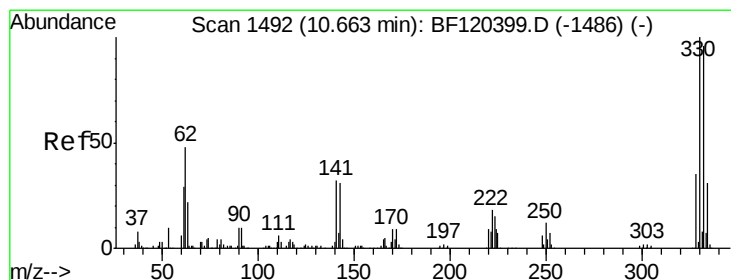
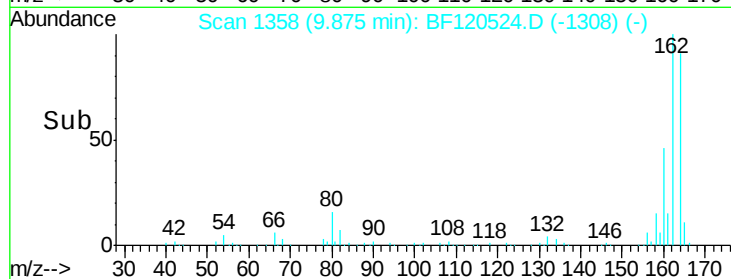
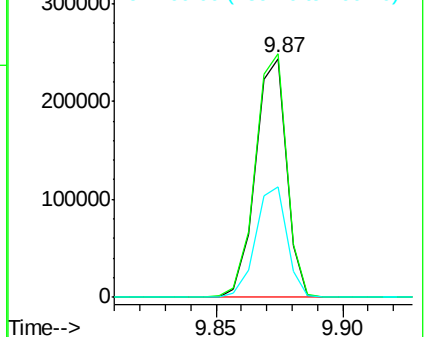
160 46.2 37.3 55.9



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: 143.120 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BF120524.D

Acq: 3 Jun 2020 22:00

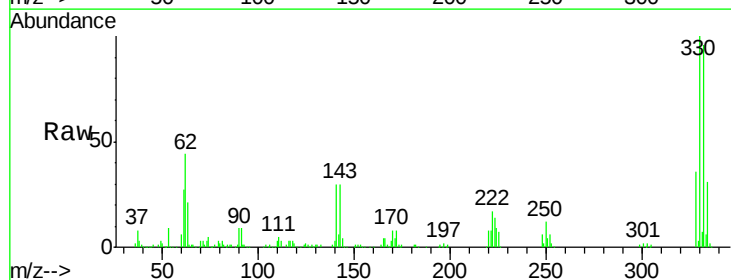
Tgt Ion:330 Resp: 278689

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

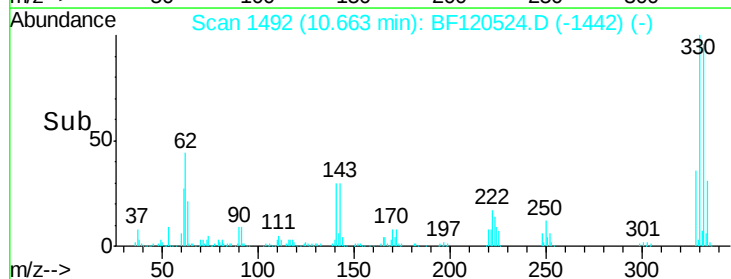
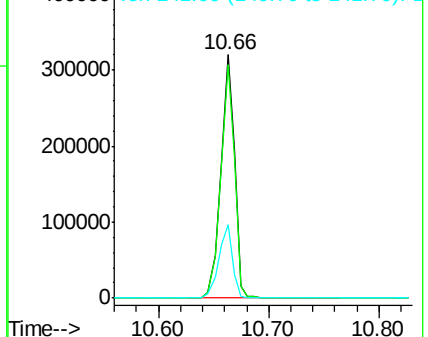
141 30.0 23.5 35.3

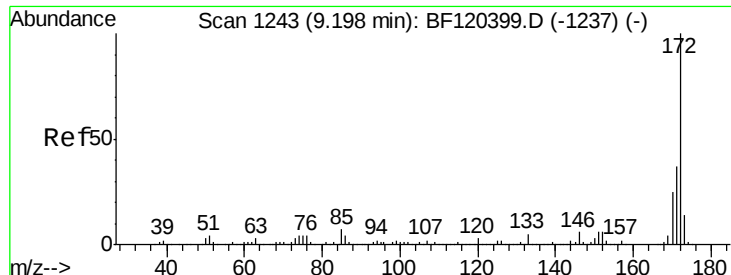


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

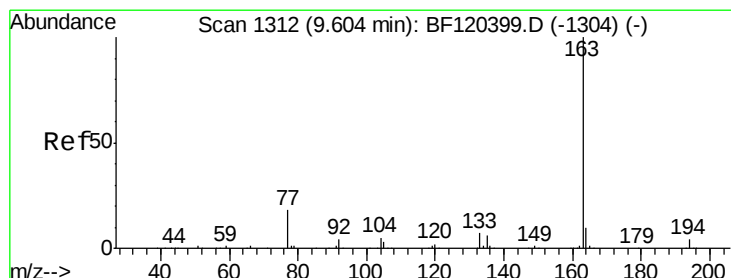
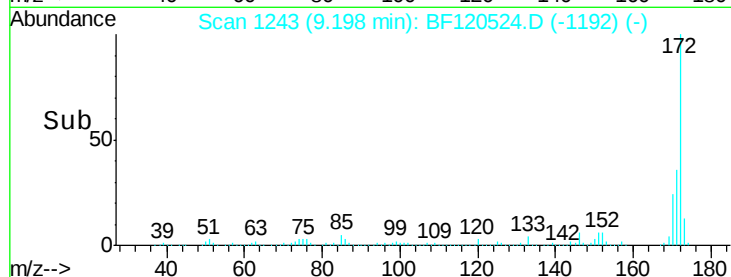
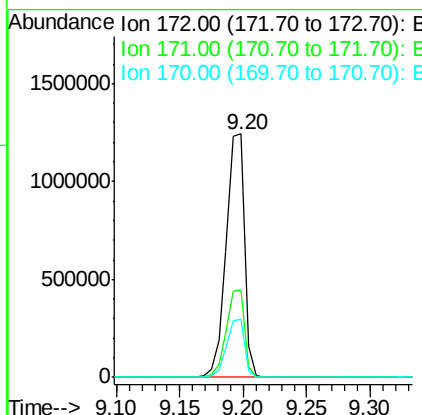
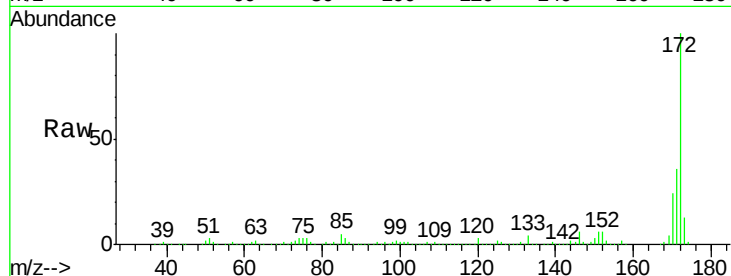




#45
2-Fluorobiphenyl
Concen: 100.623 ng
RT: 9.20 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

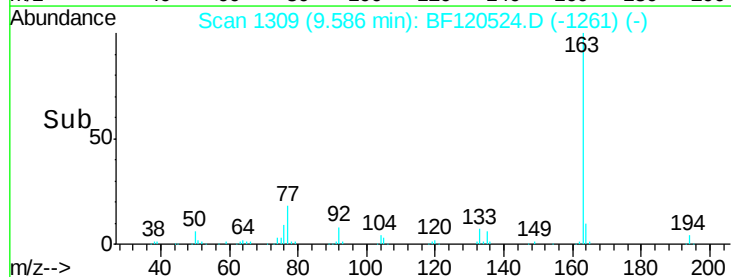
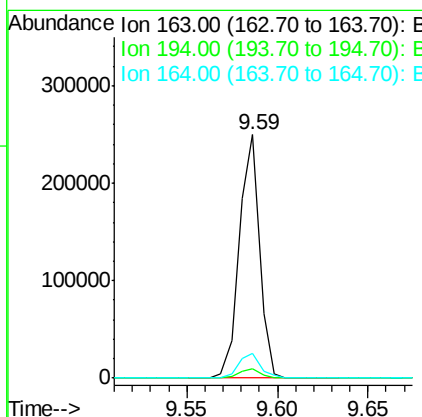
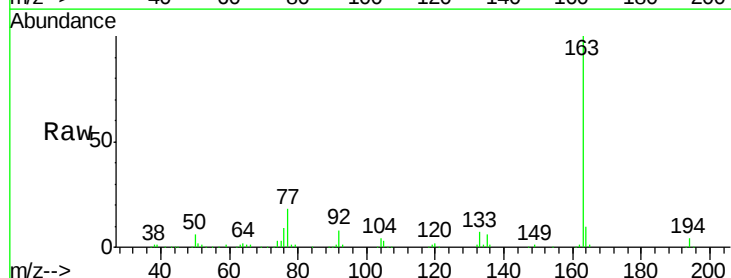
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

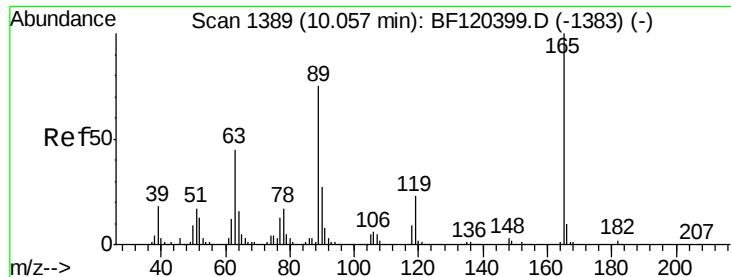
Tot Ion:172 Resp: 1246368
Ion Ratio Lower Upper
172 100
171 35.8 29.2 43.8
170 24.0 20.1 30.1



#50
Dimethylphthalate
Concen: 14.788 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:163 Resp: 194292
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.9 8.2 12.4

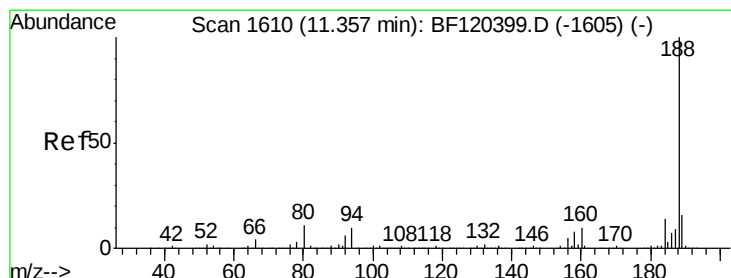
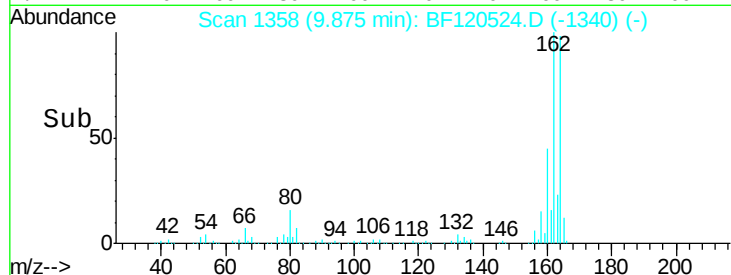
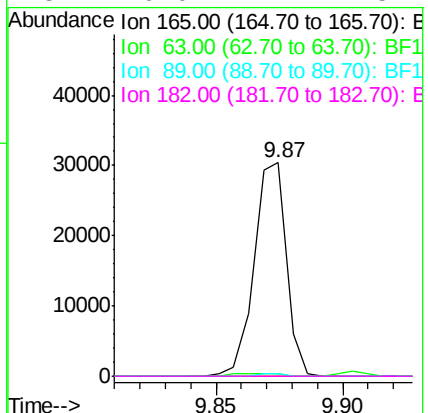
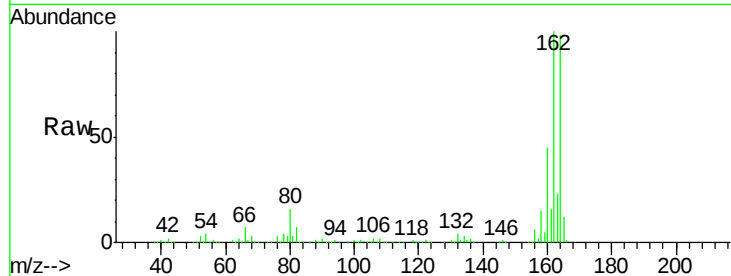




#57
 2,4-Dinitrotoluene
 Concen: 7.265 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120524.D
 Acq: 3 Jun 2020 22:00

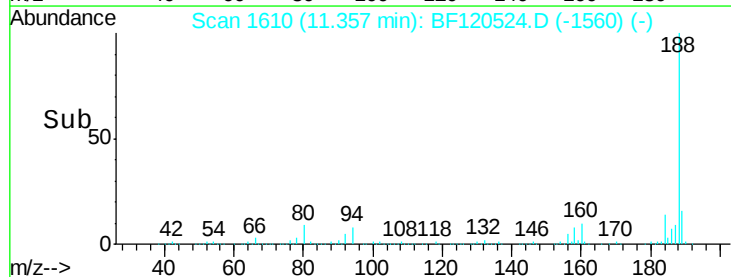
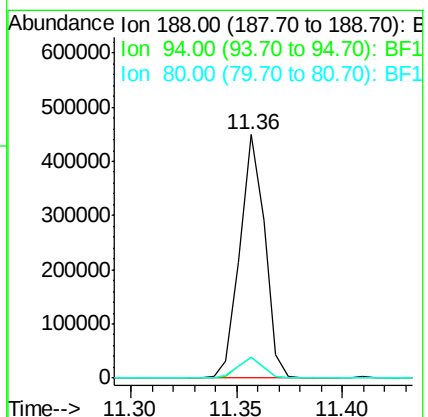
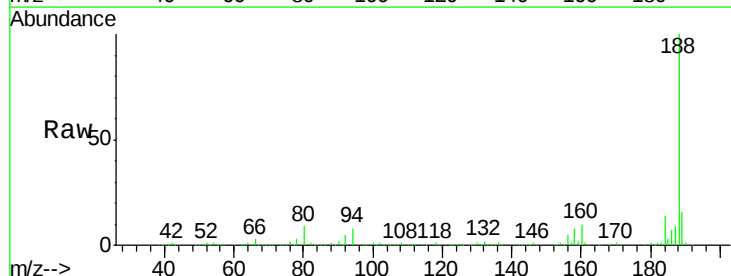
Instrument :
 BNA_F
 ClientSampleId :
 NM18-COMP-2020-0-6

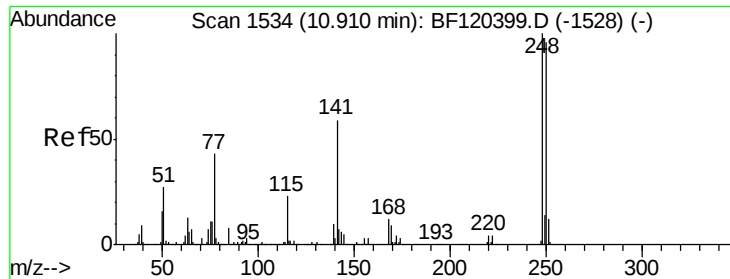
Tot Ion:165 Resp: 27150
 Ion Ratio Lower Upper
 165 100
 63 1.1 33.4 50.0#
 89 1.3 54.7 82.1#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF120524.D
 Acq: 3 Jun 2020 22:00

Tgt Ion:188 Resp: 366629
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.5 11.3
 80 8.8 7.9 11.9

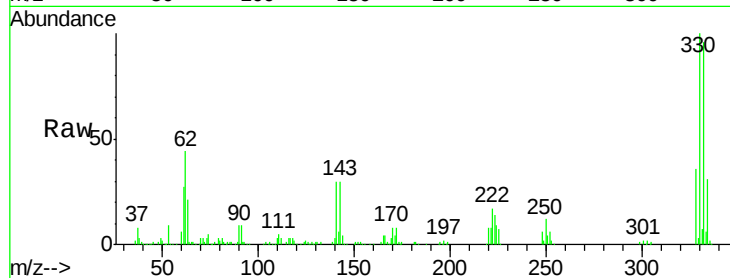




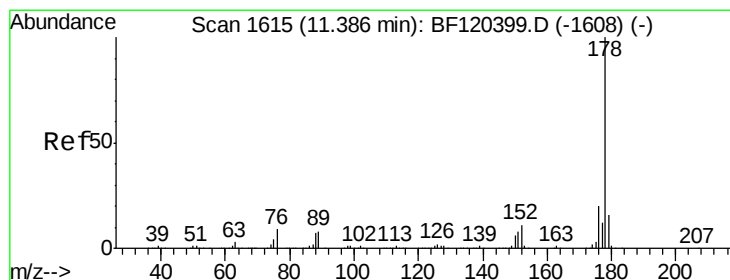
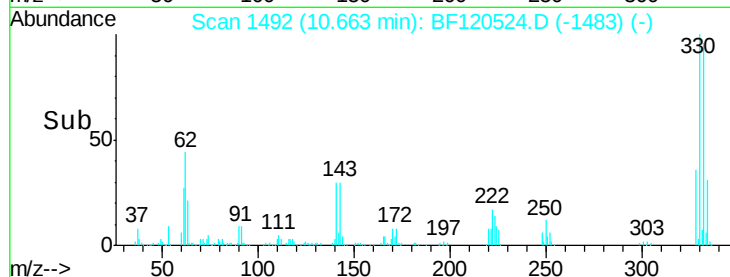
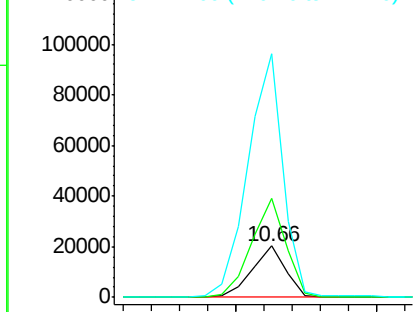
#67
4-Bromophenyl-phenylether
Concen: 4.563 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

Tot Ion:248 Resp: 16885
Ion Ratio Lower Upper
248 100
250 191.4 78.0 117.0#
141 473.1 50.3 75.5#

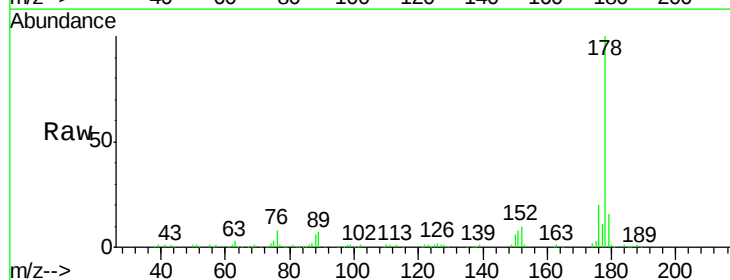


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

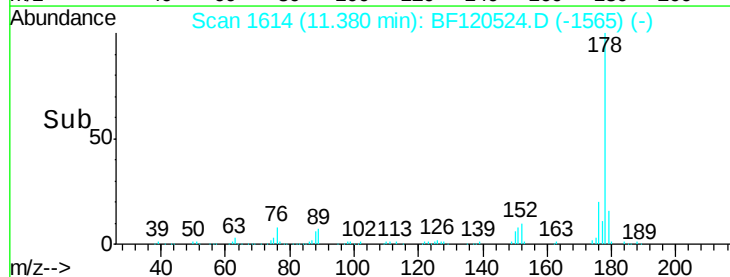
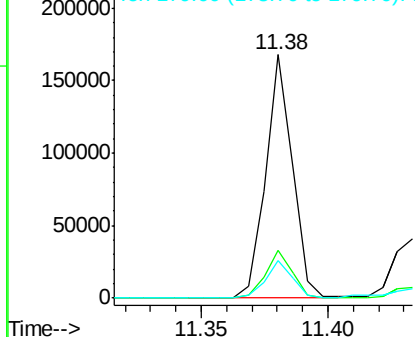


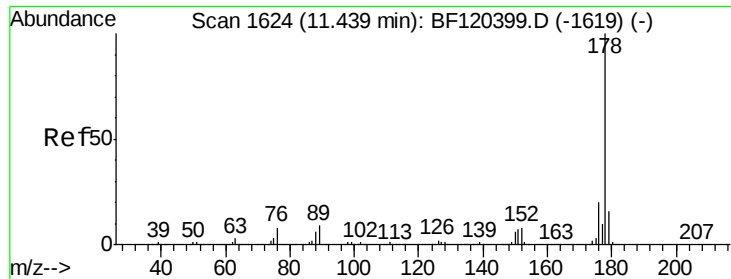
#71
Phenanthrene
Concen: 7.693 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:178 Resp: 124275
Ion Ratio Lower Upper
178 100
176 19.7 16.6 24.8
179 15.6 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

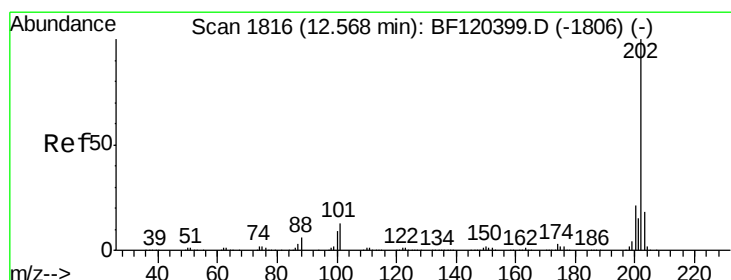
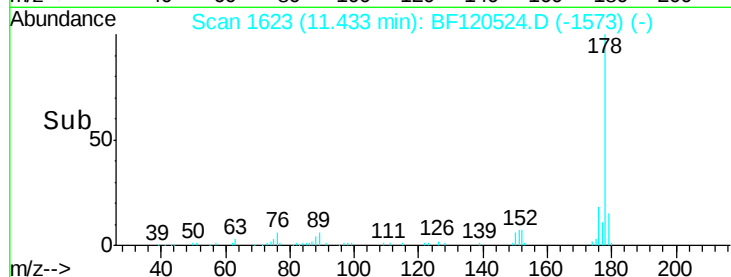
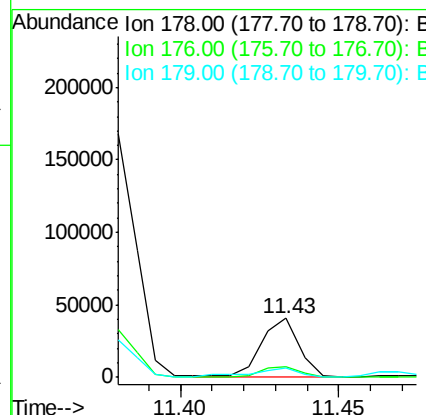
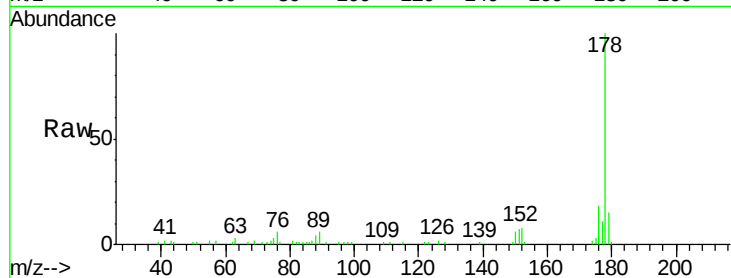




#72
 Anthracene
 Concen: 2.041 ng
 RT: 11.43 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF120524.D
 Acq: 3 Jun 2020 22:00

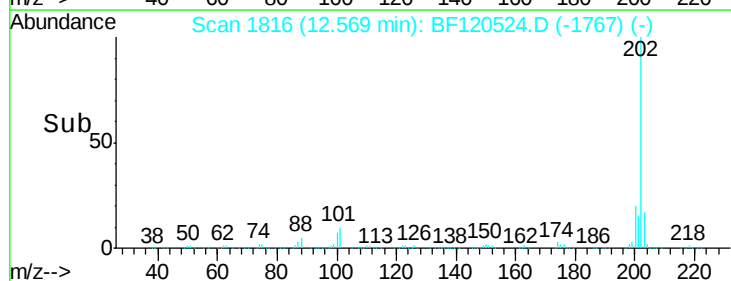
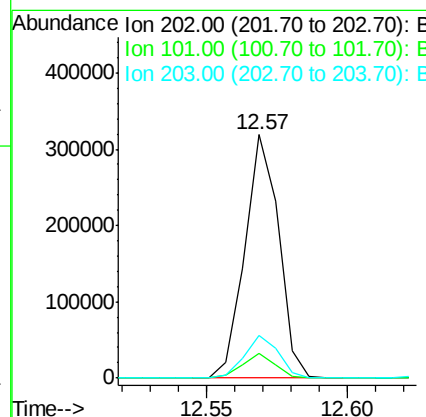
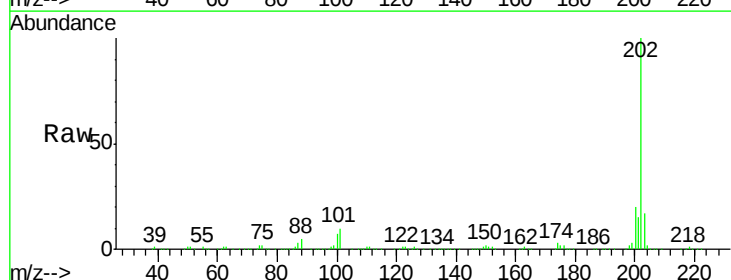
Instrument :
 BNA_F
 ClientSampleId :
 NM18-COMP-2020-0-6

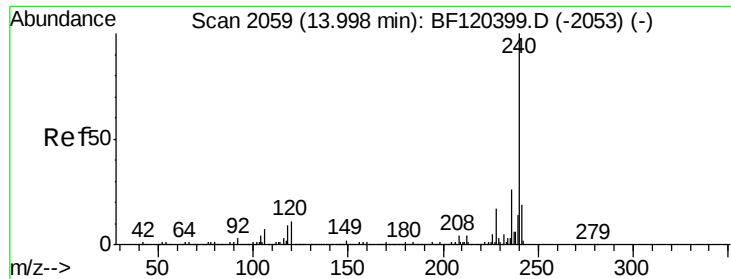
Tot Ion:178 Resp: 33088
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.7 23.5
 179 15.0 13.1 19.7



#75
 Fluoranthene
 Concen: 15.326 ng
 RT: 12.57 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF120524.D
 Acq: 3 Jun 2020 22:00

Tgt Ion:202 Resp: 266401
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.4
 203 17.5 0.0 38.2

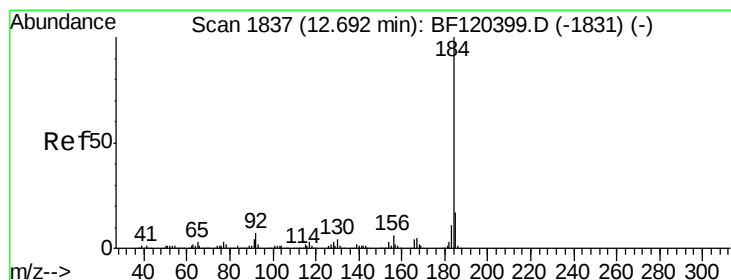
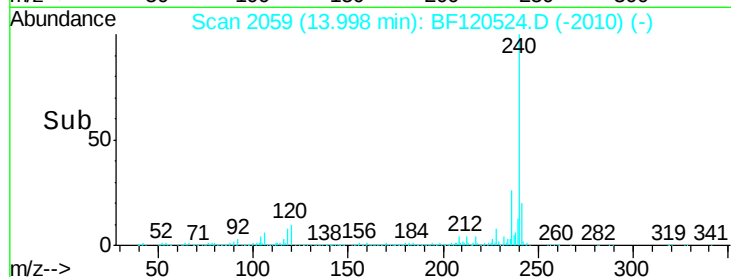
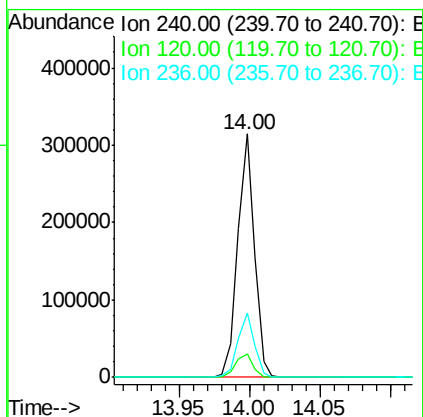
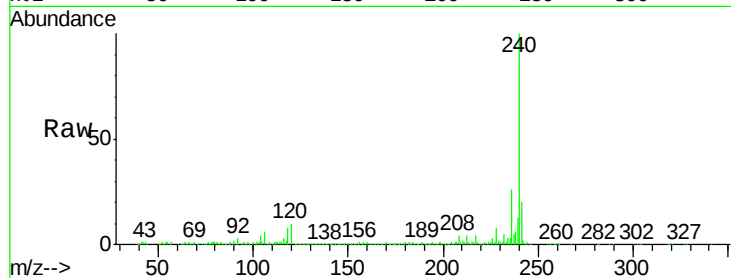




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

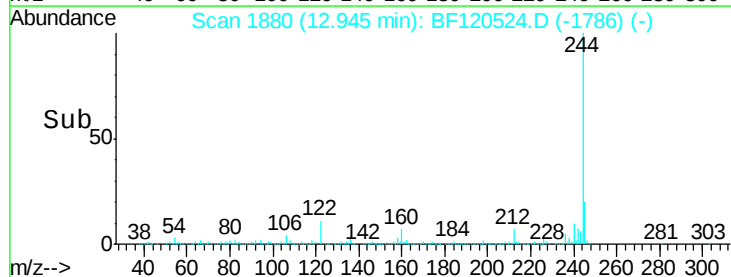
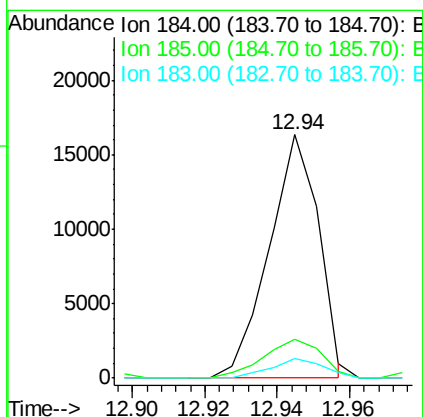
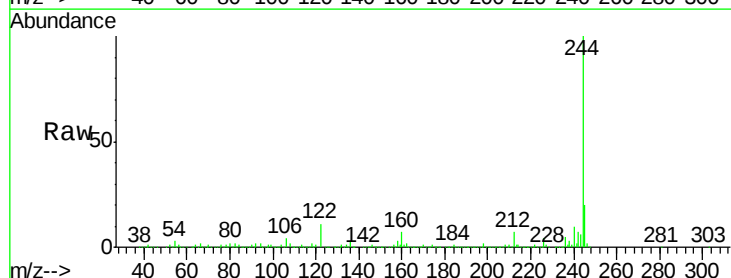
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

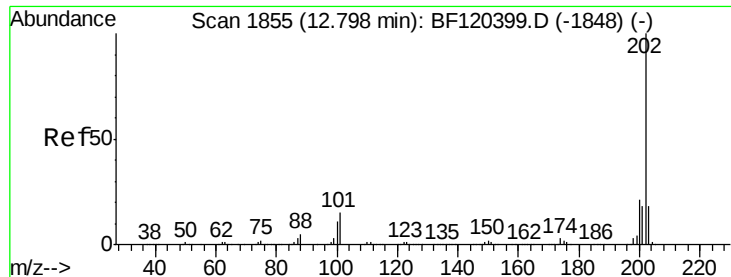
Tot Ion:240 Resp: 259564
Ion Ratio Lower Upper
240 100
120 9.6 7.9 11.9
236 26.4 21.1 31.7



#77
Benzidine
Concen: 2.279 ng
RT: 12.94 min Scan# 1880
Delta R.T. 0.25 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:184 Resp: 15540
Ion Ratio Lower Upper
184 100
185 16.1 13.2 19.8
183 7.8 9.1 13.7#

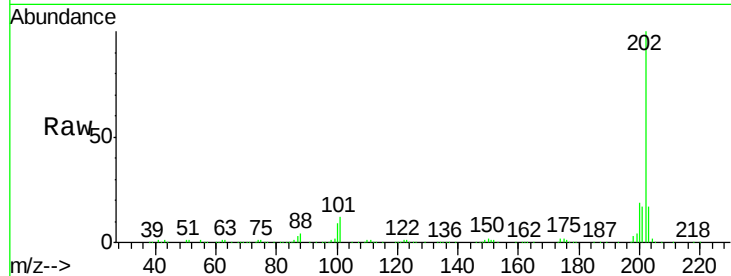




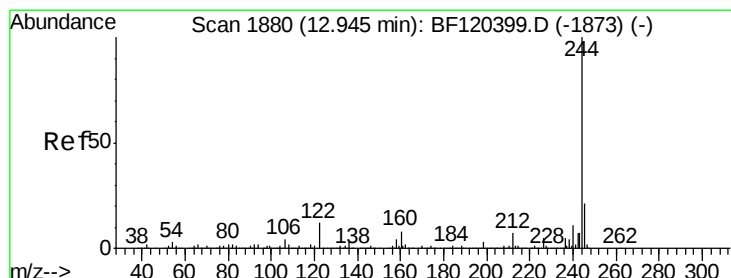
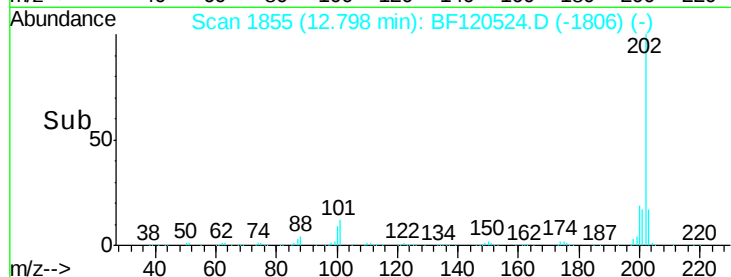
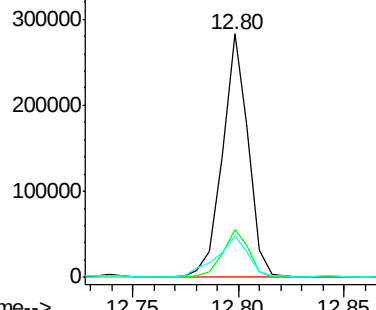
#78
Pvrene
Concen: 13.311 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

Tot Ion:202 Resp: 240272
Ion Ratio Lower Upper
202 100
200 19.4 17.3 25.9
203 17.1 14.5 21.7

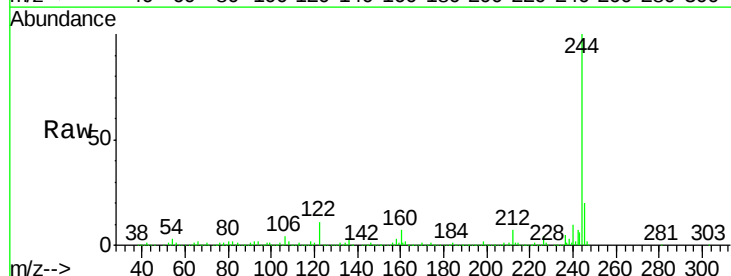


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

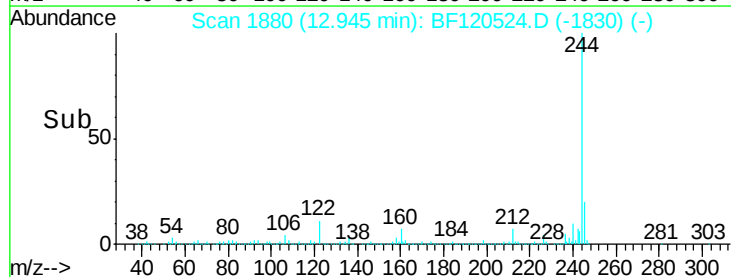
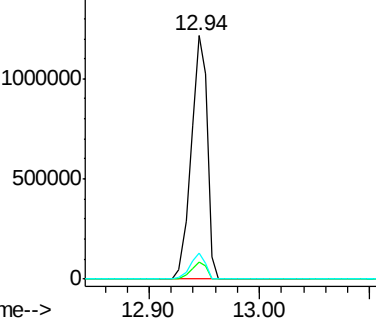


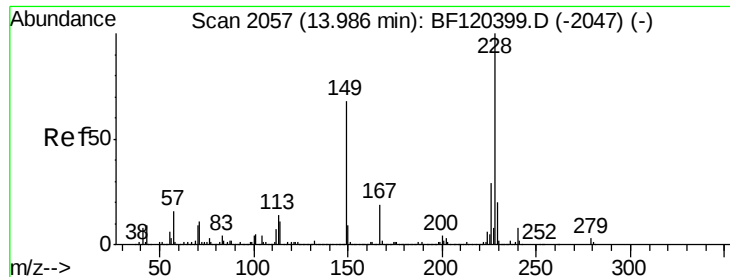
#79
Terphenyl-d14
Concen: 104.818 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:244 Resp: 1222654
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 10.8 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

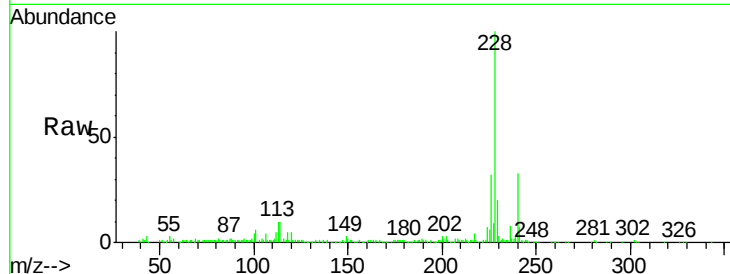




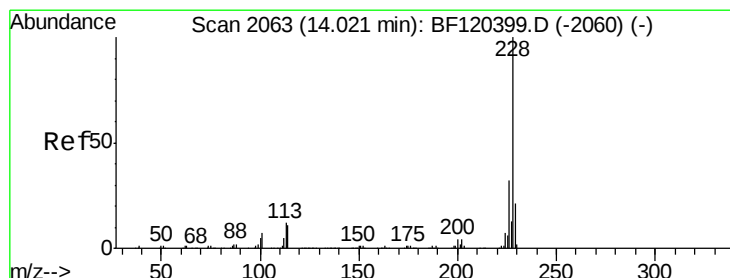
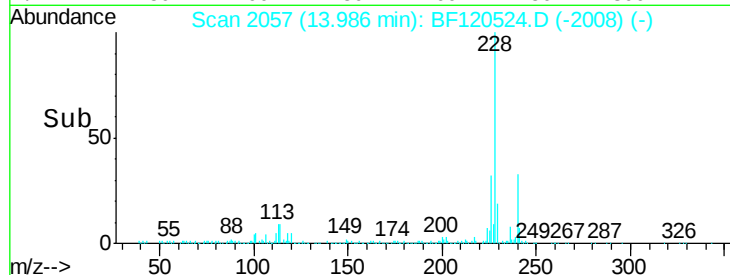
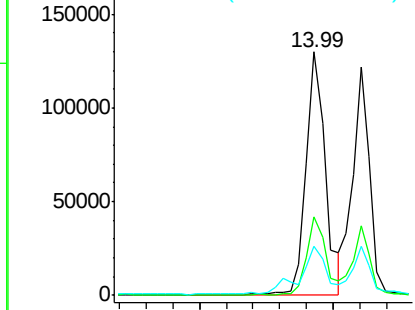
#81
Benzo(a)anthracene
Concen: 9.312 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

Tot Ion:228 Resp: 129541
Ion Ratio Lower Upper
228 100
226 32.4 22.7 34.1
229 20.2 16.3 24.5

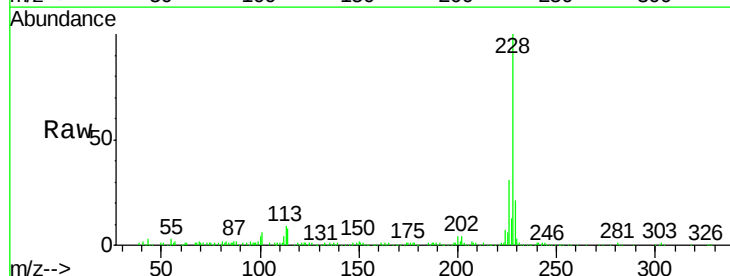


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

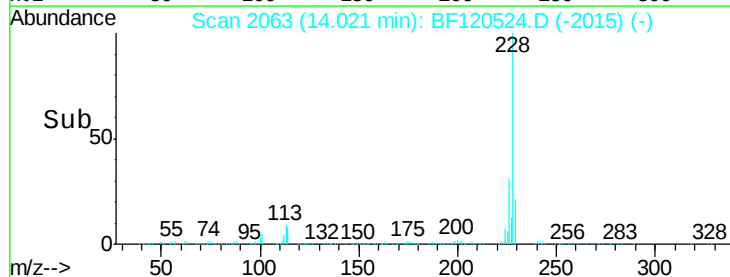
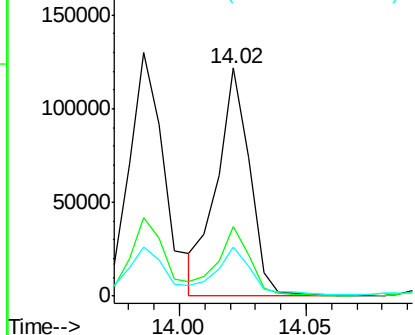


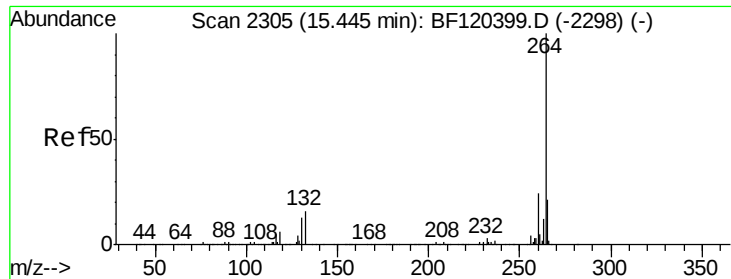
#83
Chrysene
Concen: 7.477 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:228 Resp: 109039
Ion Ratio Lower Upper
228 100
226 30.8 25.2 37.8
229 21.4 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



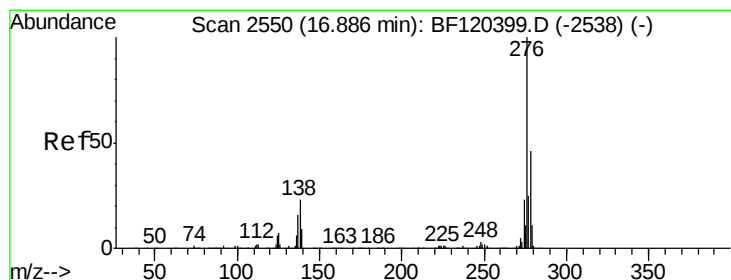
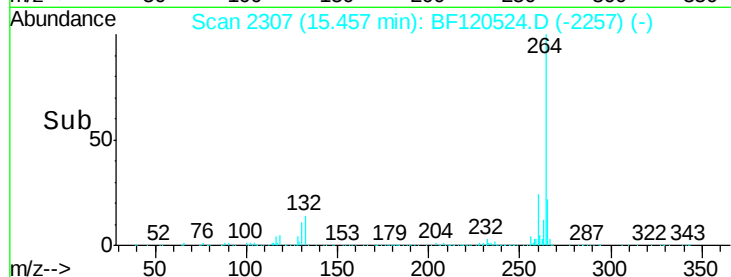
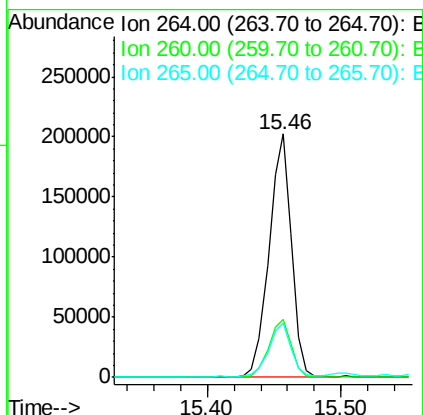
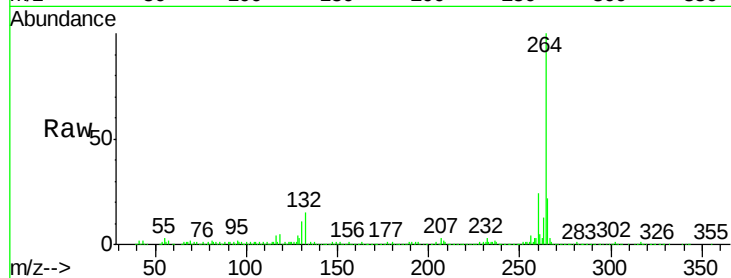


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

Tot Ion:264 Resp: 235744

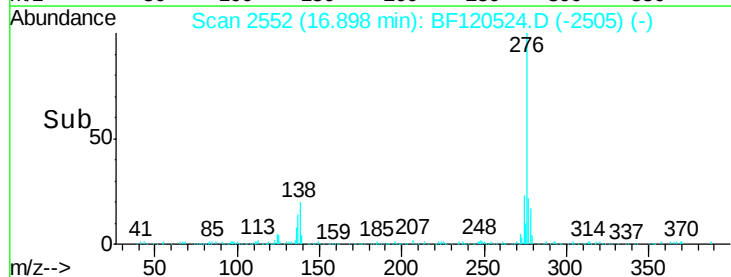
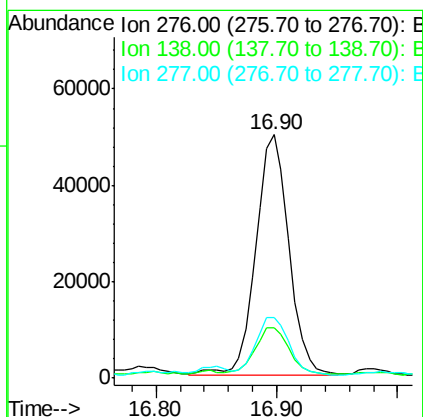
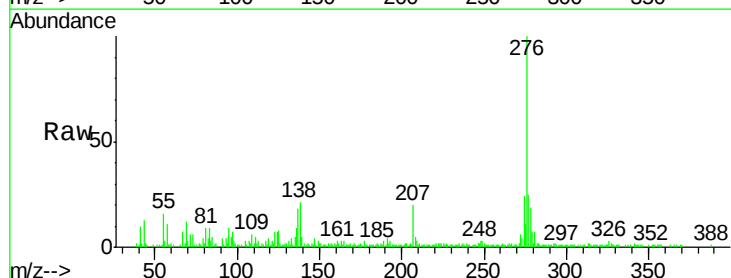
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.8	29.8
265	22.2	17.5	26.3

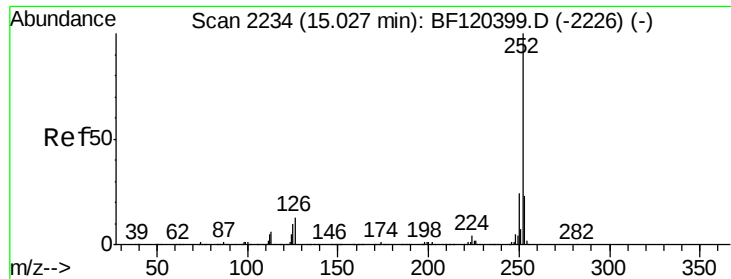


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.415 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:276 Resp: 95611

Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.2	28.8
277	24.7	20.4	30.6

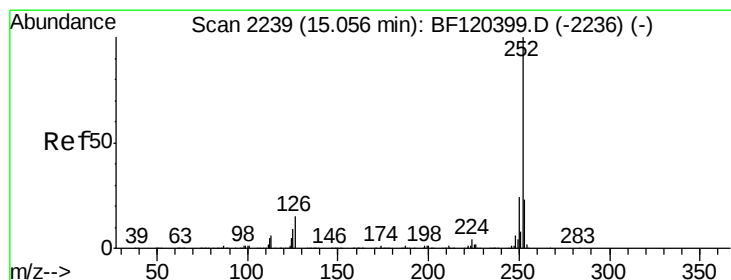
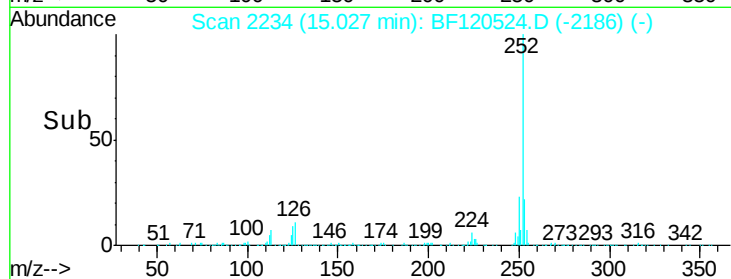
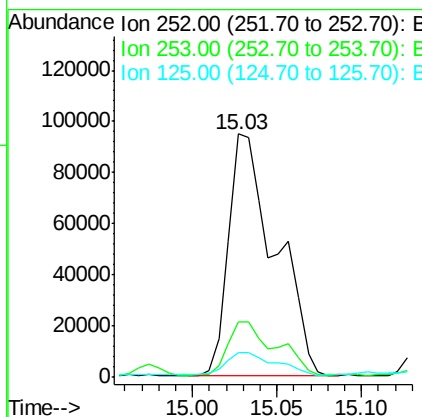
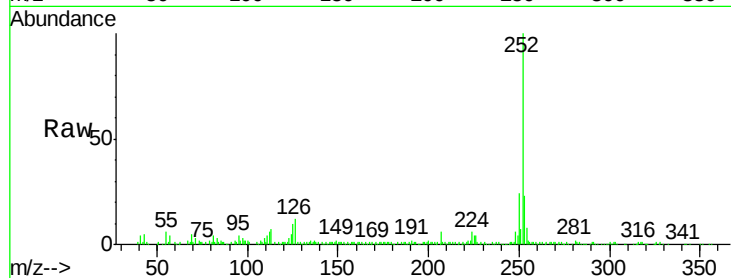




#88
Benzo(b)fluoranthene
Concen: 13.870 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

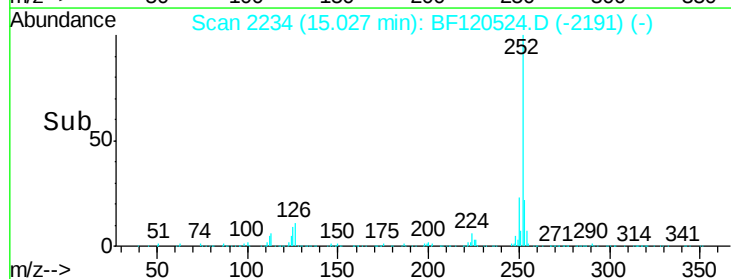
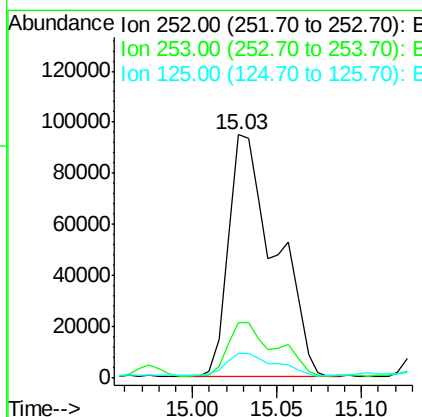
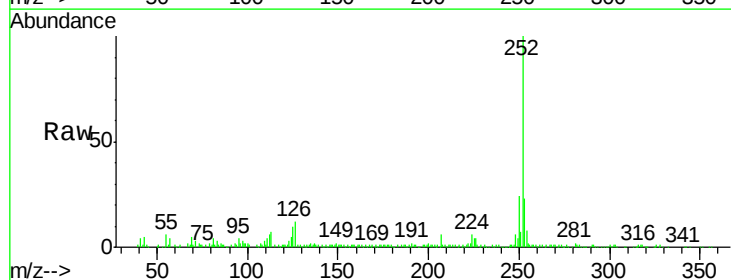
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

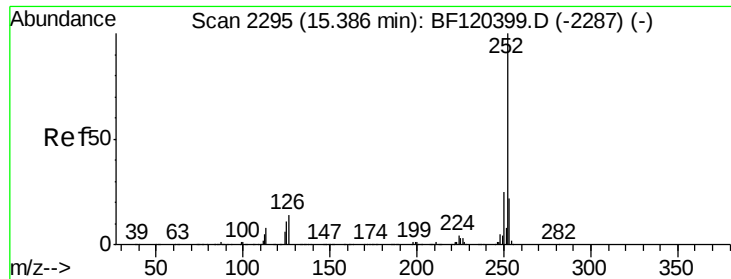
Tot Ion:252 Resp: 181615
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 10.3 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 14.857 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:252 Resp: 181615
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.3 7.5 11.3

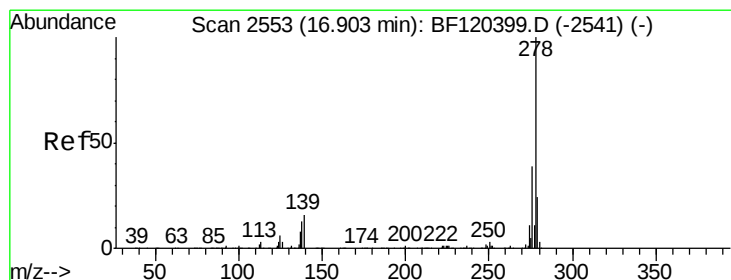
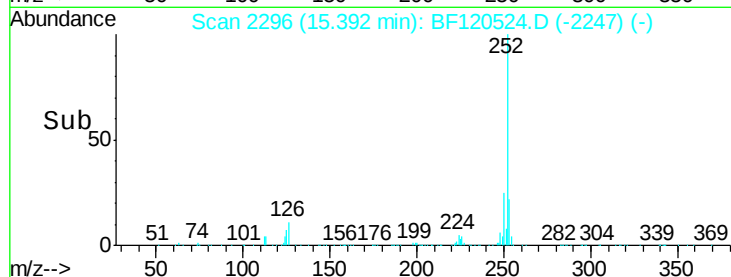
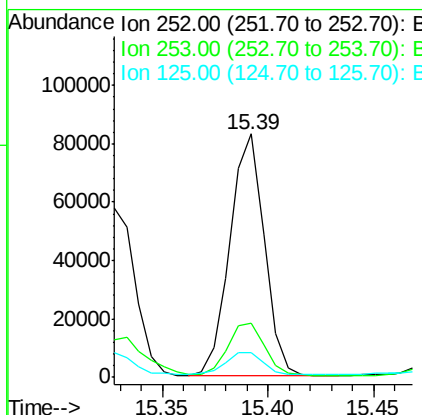
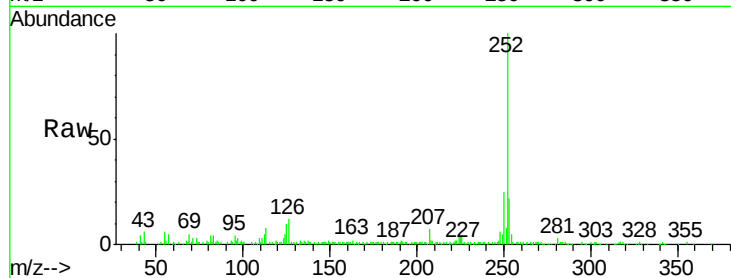




#90
Benzo(a)pyrene
Concen: 8.201 ng
RT: 15.39 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

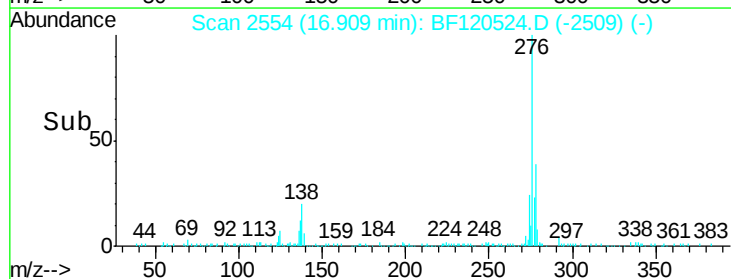
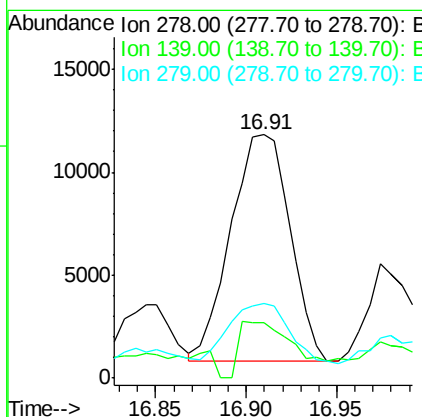
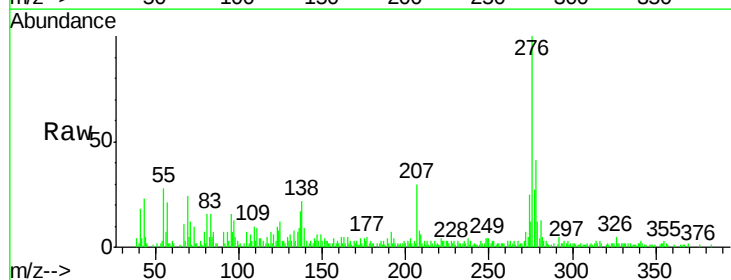
Instrument :
BNA_F
ClientSampleId :
NM18-COMP-2020-0-6

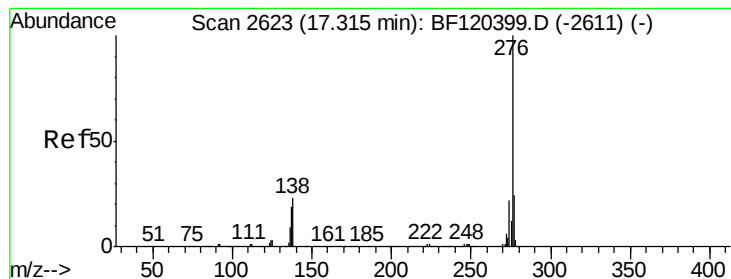
Tot Ion:252 Resp: 93926
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 9.9 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 2.378 ng
RT: 16.91 min Scan# 2554
Delta R.T. -0.04 min
Lab File: BF120524.D
Acq: 3 Jun 2020 22:00

Tgt Ion:278 Resp: 25001
Ion Ratio Lower Upper
278 100
139 22.6 11.6 17.4#
279 30.6 19.2 28.8#





#92

Benzo(a,h,i)perylene

Concen: 8.326 ng

RT: 17.34 min Scan# 2627

Delta R.T. -0.02 min

Lab File: BF120524.D

Acq: 3 Jun 2020 22:00

Instrument :

BNA_F

ClientSampleId :

NM18-COMP-2020-0-6

Tot Ion: 276 Resp: 86327

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 21.6 16.6 25.0

