

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120511.D
 Acq On : 3 Jun 2020 16:02
 Operator : JU/CG
 Sample : L2839-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

Quant Time: Jun 03 16:35:21 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	147793	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	560231	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	283197	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	483856	20.00	ng	0.00
76) Chrysene-d12	14.00	240	302662	20.00	ng	-0.01
86) Perylene-d12	15.45	264	320901	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	805760	103.90	ng	0.00
7) Phenol-d6	6.47	99	1019141	106.62	ng	0.00
23) Nitrobenzene-d5	7.40	82	679714	79.36	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	302335	115.22	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1286352	77.07	ng	0.00
79) Terphenyl-d14	12.94	244	1154168	84.86	ng	0.00

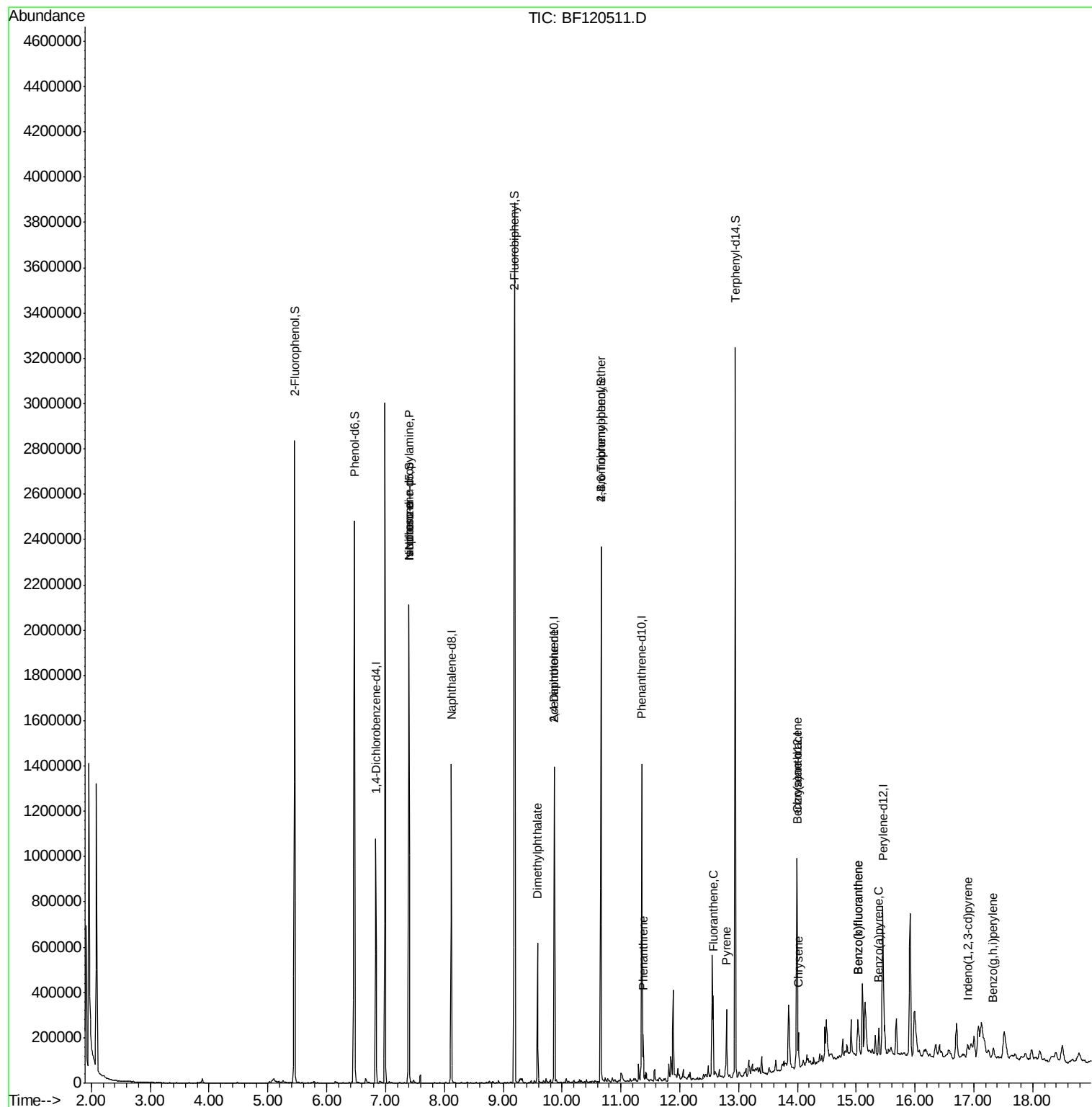
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	91166	15.004	ng	# 79
25) Isophorone	7.40	82	676880	39.323	ng	# 64
50) Dimethylphthalate	9.59	163	245369	13.859	ng	99
57) 2,4-Dinitrotoluene	9.87	165	36346	7.218	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	18477	3.783	ng	# 1
71) Phenanthrene	11.38	178	61955	2.906	ng	97
75) Fluoranthene	12.57	202	127730	5.568	ng	98
78) Pyrene	12.80	202	117834	5.598	ng	98
81) Benzo(a)anthracene	13.99	228	60142	3.708	ng	96
83) Chrysene	14.02	228	59973	3.527	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	36766	2.095	ng	# 93
88) Benzo(b)fluoranthene	15.03	252	115367	6.473	ng	100
89) Benzo(k)fluoranthene	15.03	252	115367	6.933	ng	98
90) Benzo(a)pyrene	15.39	252	60745	3.896	ng	100
92) Benzo(a,h,i)perylene	17.33	276	34832	2.468	ng	96

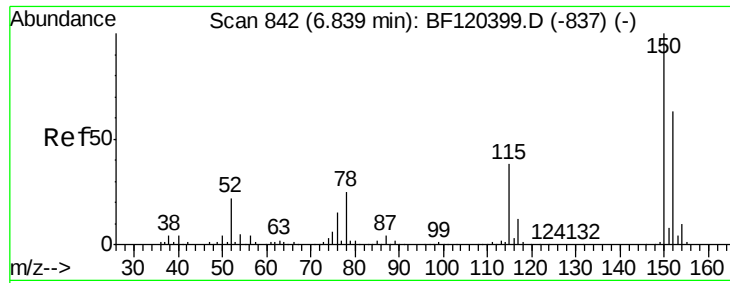
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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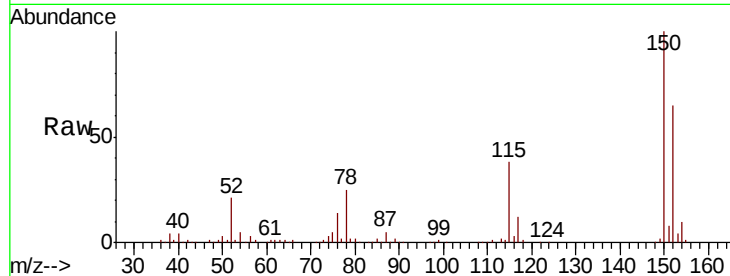


#1

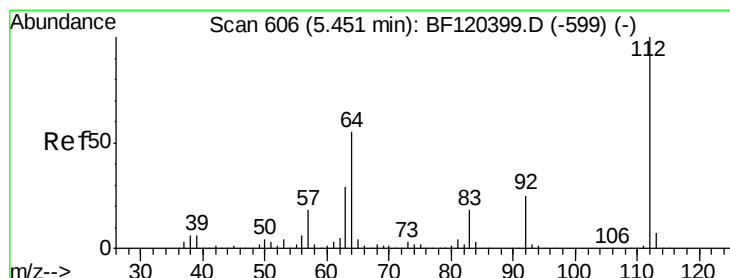
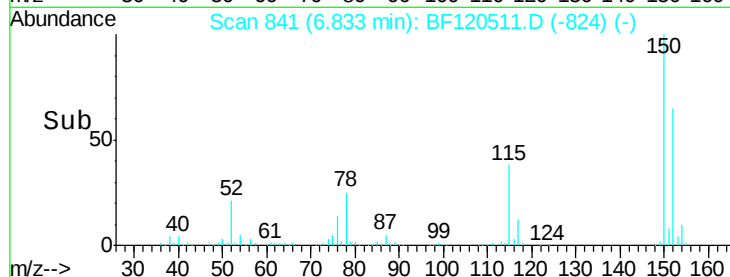
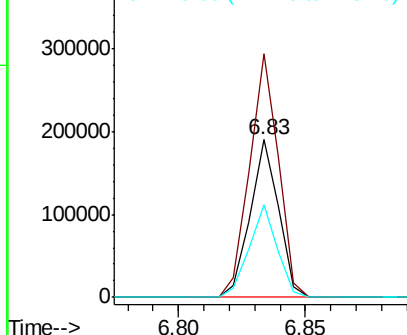
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

Tot Ion:152 Resp: 147793
Ion Ratio Lower Upper
152 100
150 154.9 127.1 190.7
115 59.2 48.7 73.1



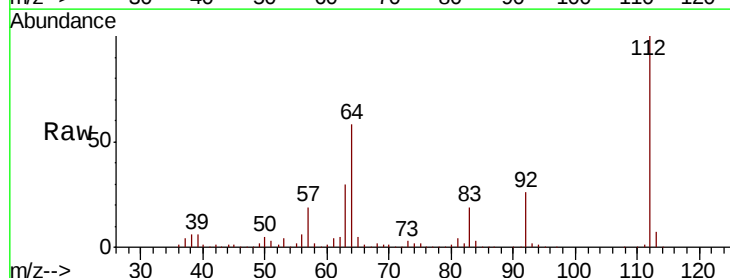
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



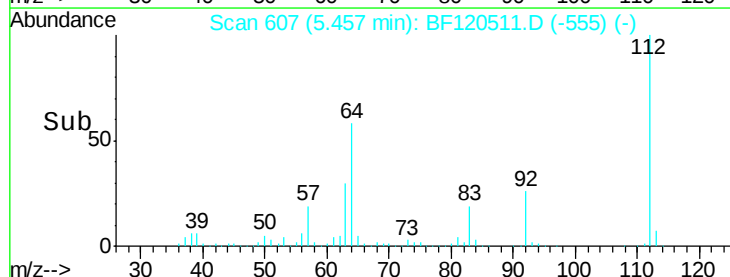
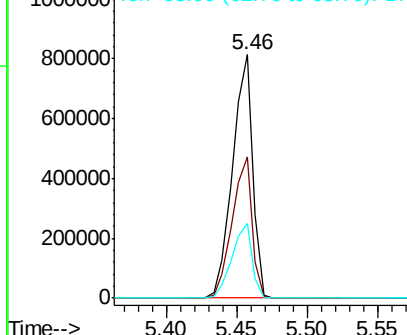
#5

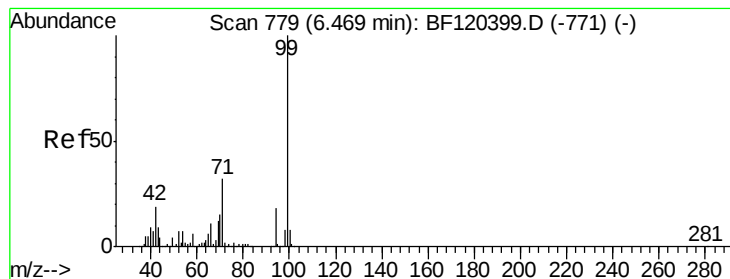
2-Fluorophenol
Concen: 103.900 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

Tgt Ion:112 Resp: 805760
Ion Ratio Lower Upper
112 100
64 57.8 45.8 68.8
63 30.5 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: 106.619 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

Instrument :

BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

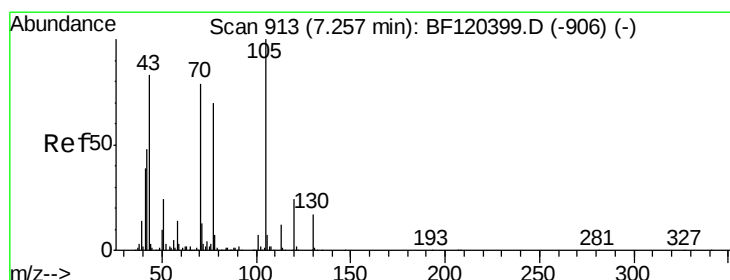
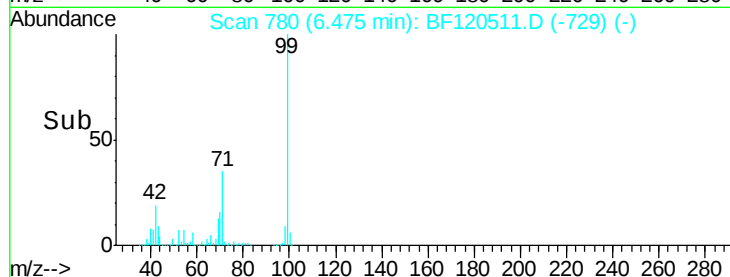
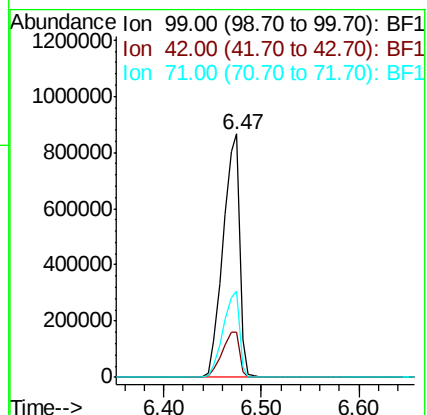
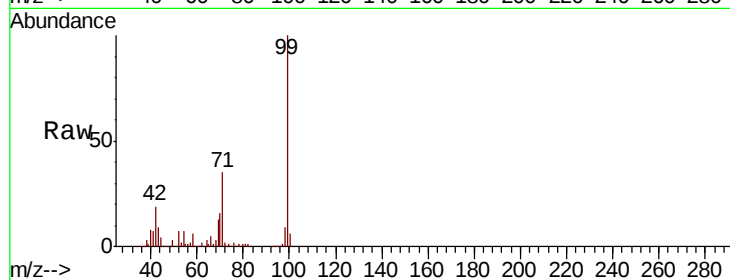
Tot Ion: 99 Resp: 1019141

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.4

71 35.5 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.004 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

Tgt Ion: 70 Resp: 91166

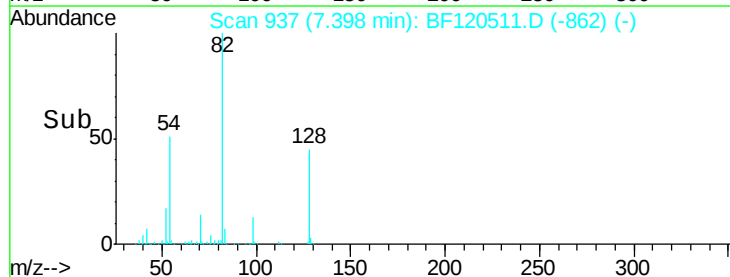
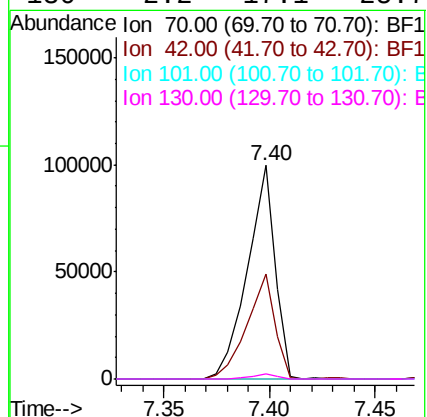
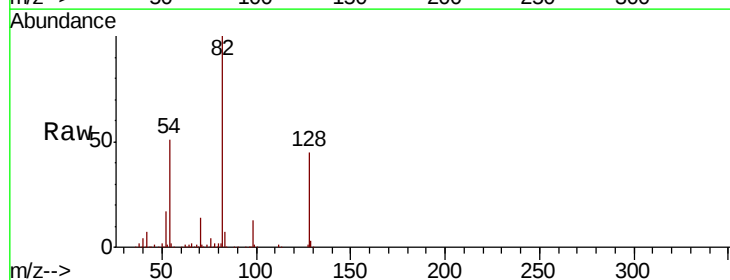
Ion Ratio Lower Upper

70 100

42 49.2 47.6 71.4

101 0.0 7.4 11.0#

130 2.2 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: BF120511.D

Acq: 3 Jun 2020 16:02

Instrument :

BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

Tot Ion:136 Resp: 560231

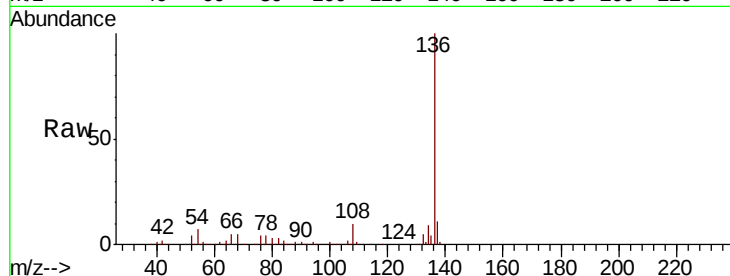
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.2 6.0 9.0

68 5.4 4.8 7.2

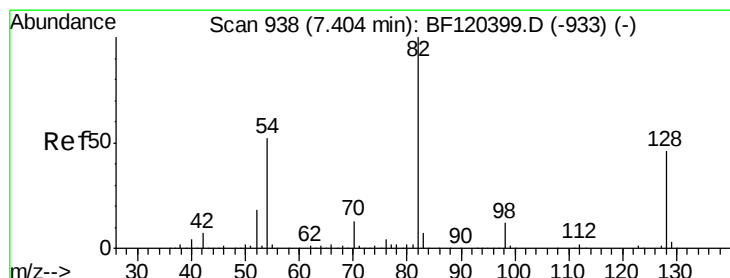
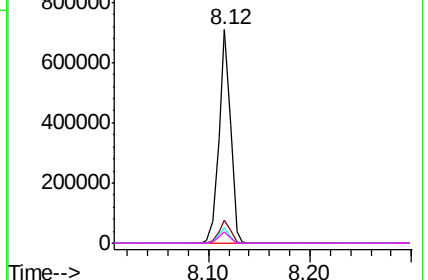
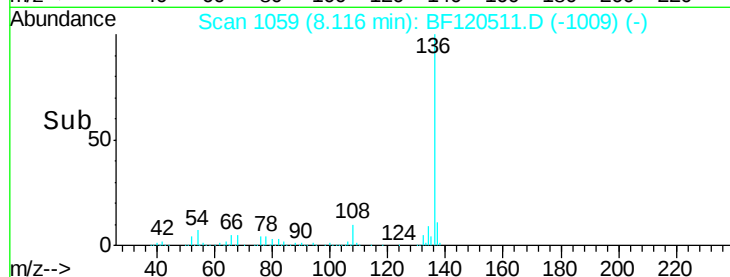


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.364 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

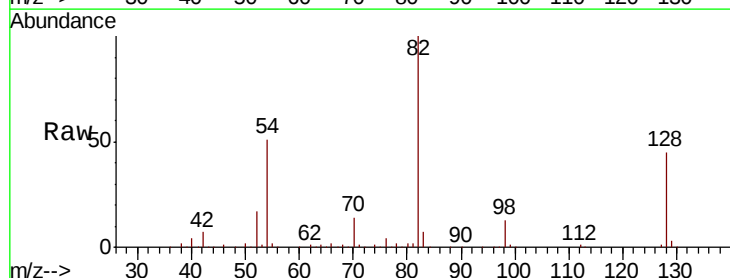
Tgt Ion: 82 Resp: 679714

Ion Ratio Lower Upper

82 100

128 45.1 37.4 56.0

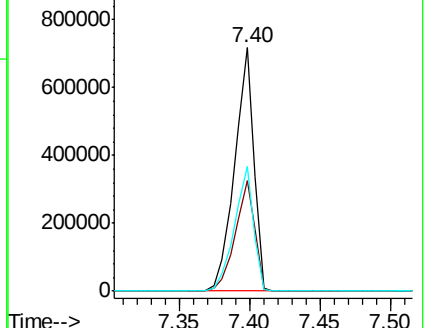
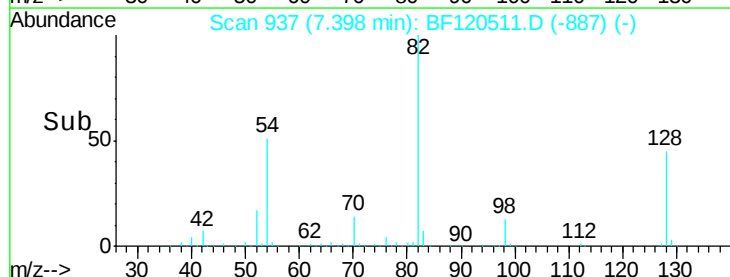
54 51.4 40.7 61.1



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: 39.323 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

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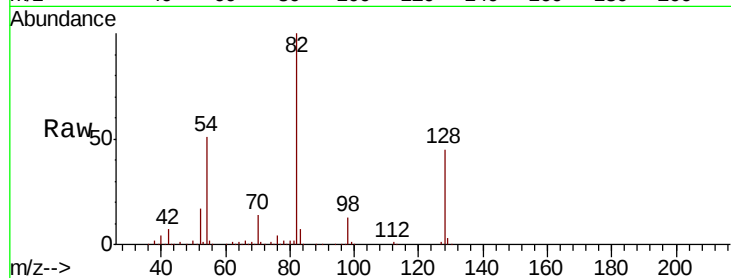
Tot Ion: 82 Resp: 676880

Ion Ratio Lower Upper

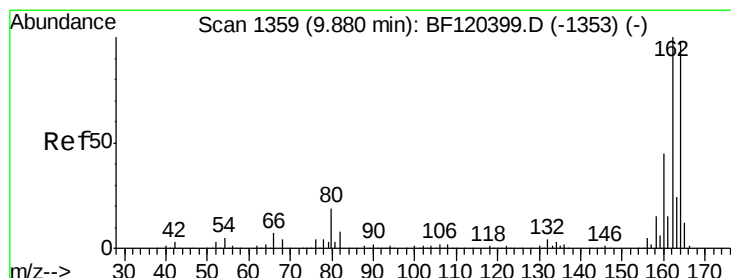
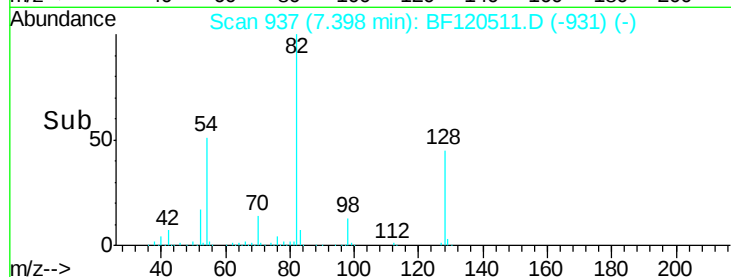
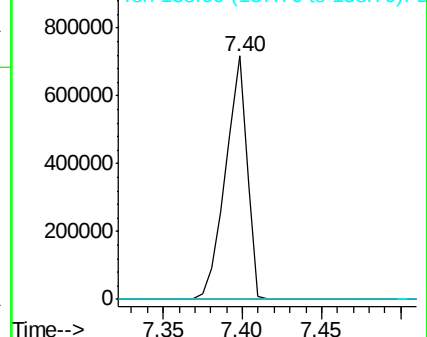
82 100

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: BF120511.D

Acq: 3 Jun 2020 16:02

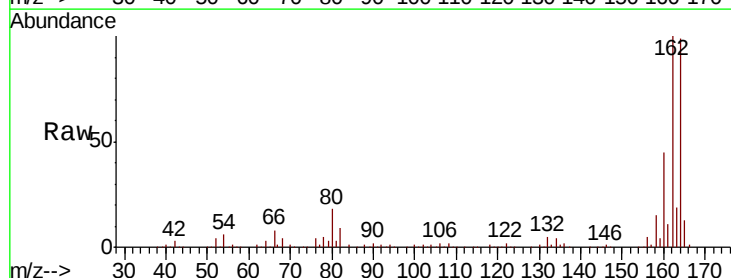
Tgt Ion: 164 Resp: 283197

Ion Ratio Lower Upper

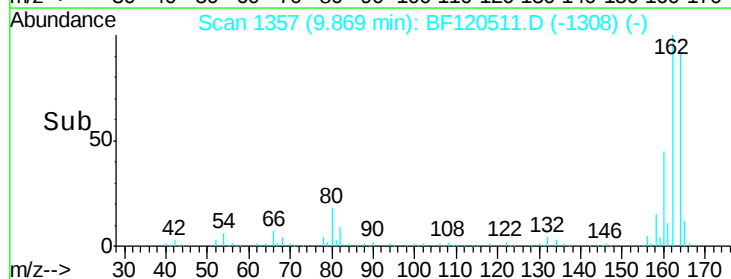
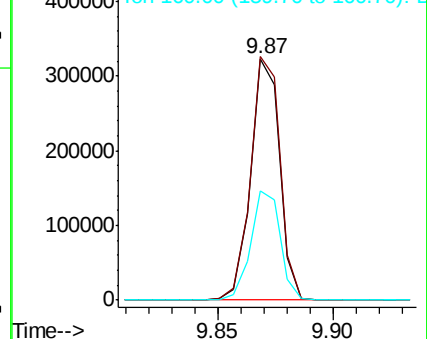
164 100

162 101.0 81.8 122.6

160 45.1 37.3 55.9



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

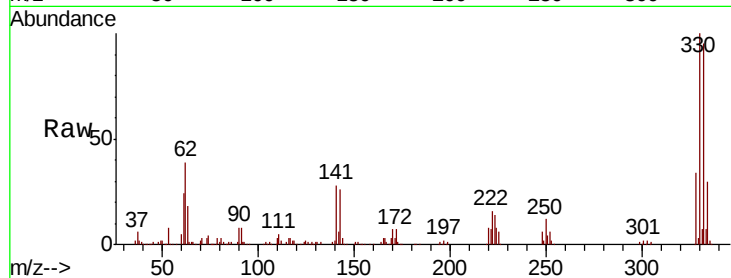




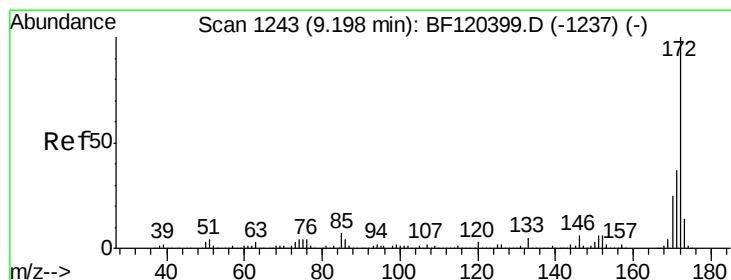
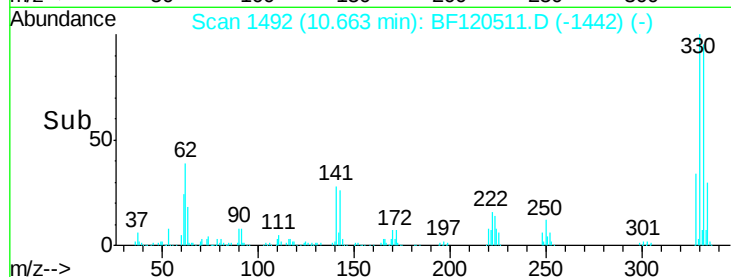
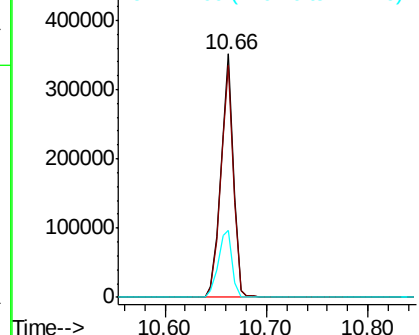
#42
 2,4,6-Tribromophenol
 Concen: 115.222 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120511.D
 Acq: 3 Jun 2020 16:02

Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.2
141	30.3	23.5	35.3

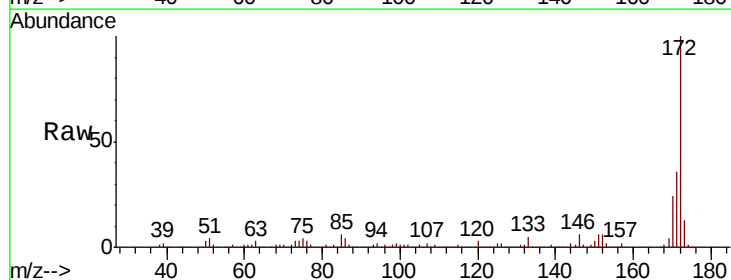


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

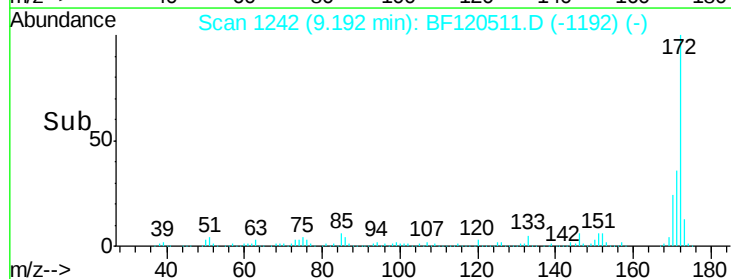
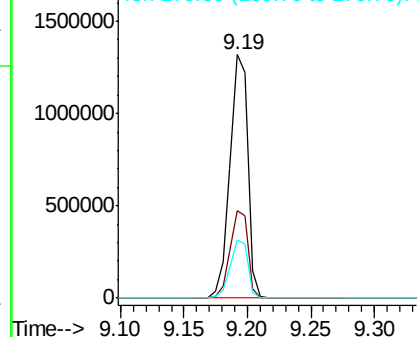


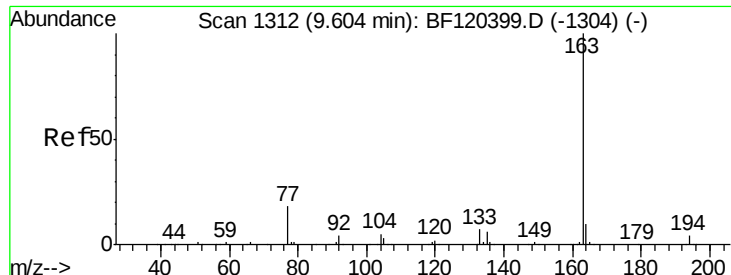
#45
 2-Fluorobiphenyl
 Concen: 77.068 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120511.D
 Acq: 3 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	23.7	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

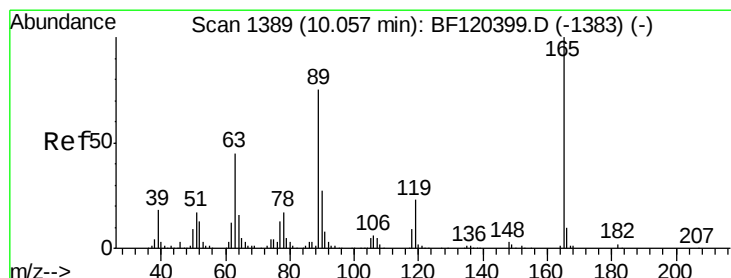
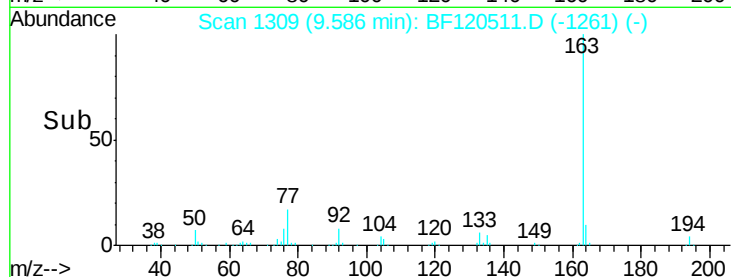
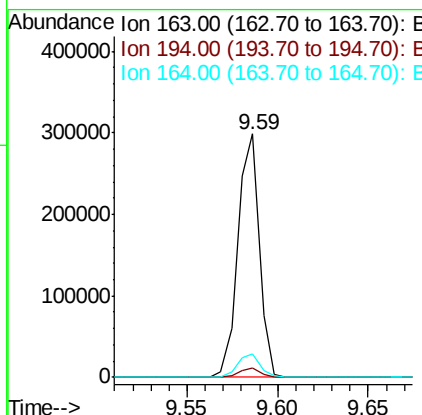
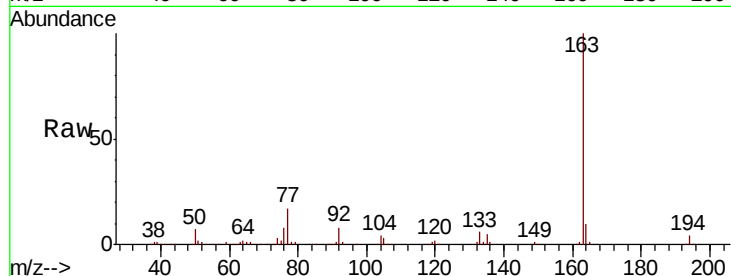




#50
Dimethylphthalate
Concen: 13.859 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

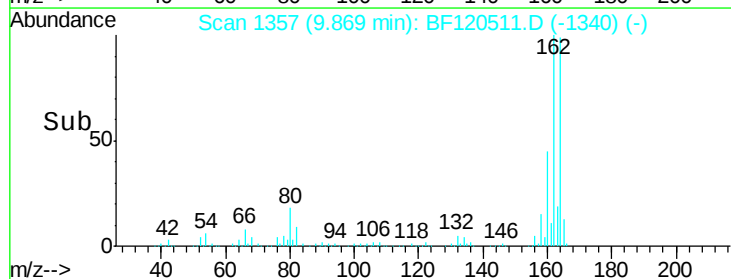
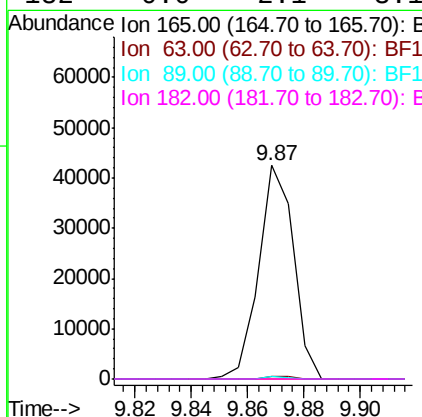
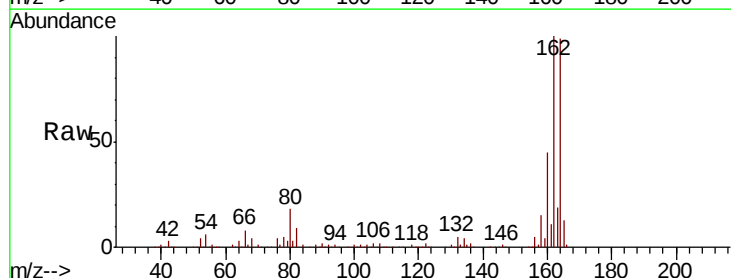
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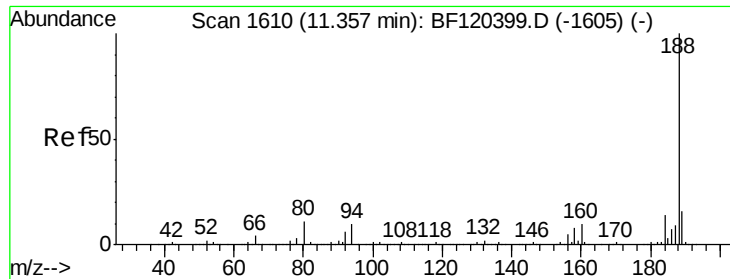
Tot Ion:163	Resp:	245369
Ion Ratio	Lower	Upper
163	100	
194	3.9	3.1 4.7
164	9.7	8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 7.218 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

Tgt Ion:165	Resp:	36346
Ion Ratio	Lower	Upper
165	100	
63	1.0	33.4 50.0#
89	1.4	54.7 82.1#
182	0.0	2.1 3.1#

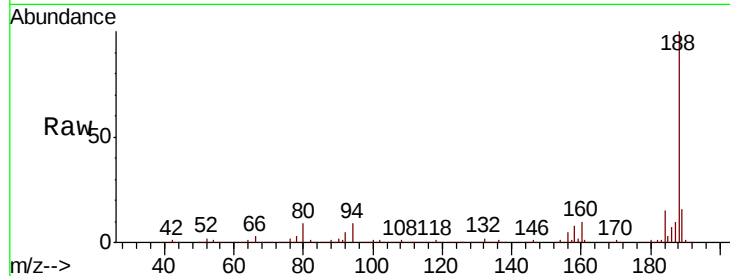




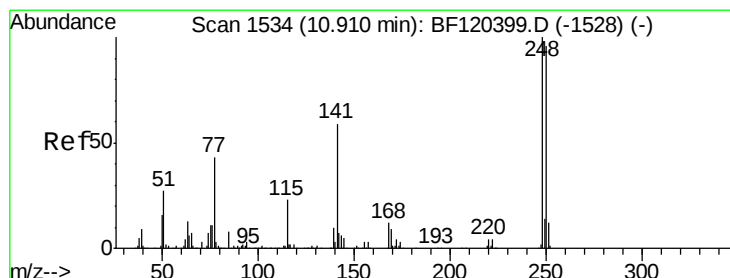
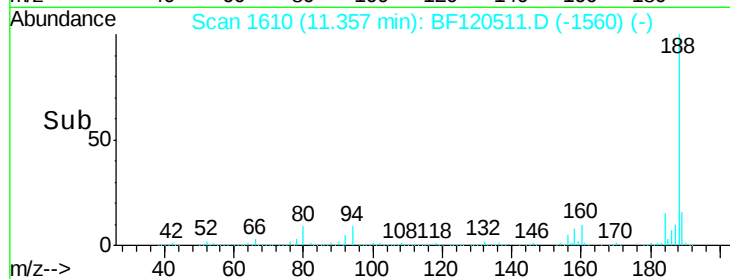
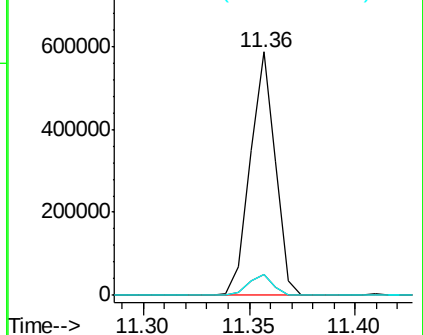
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.5	11.3
80	8.6	7.9	11.9

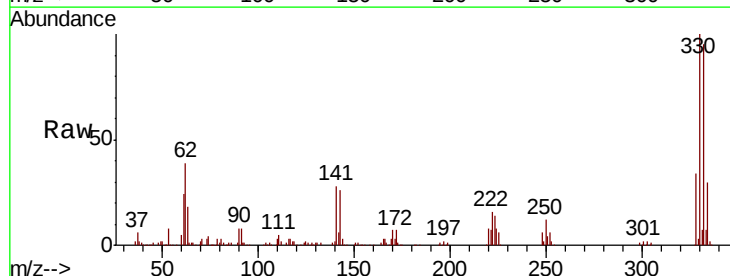


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

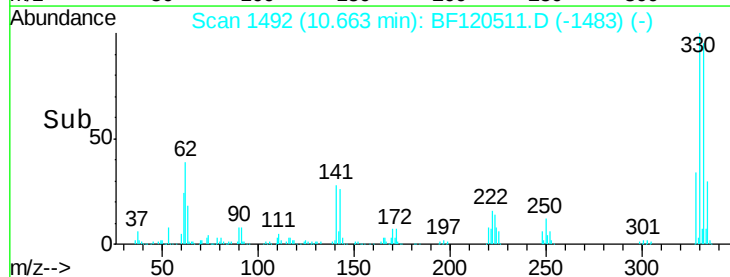
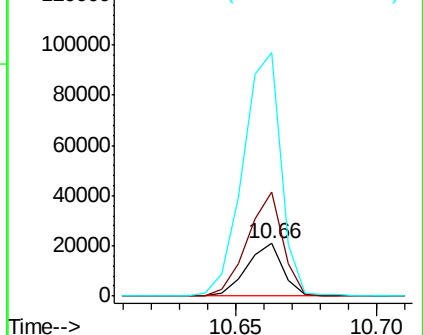


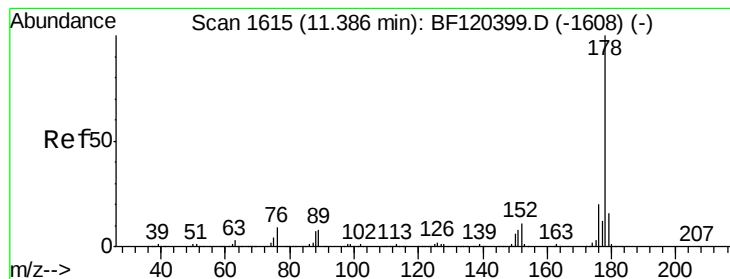
#67
4-Bromophenyl-phenylether
Concen: 3.783 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
248	100		
250	197.2	78.0	117.0#
141	461.7	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: 2.906 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

Instrument :

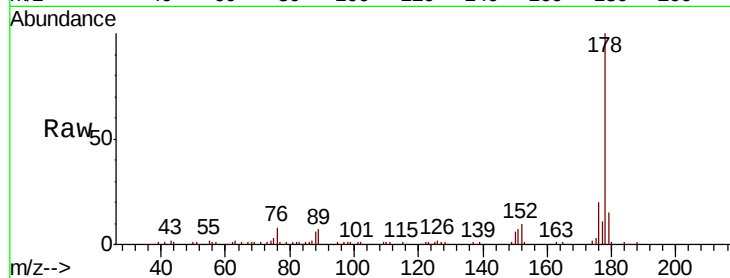
BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

Tot Ion:178 Resp: 61955

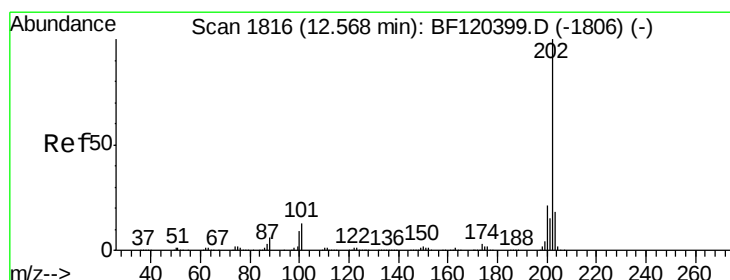
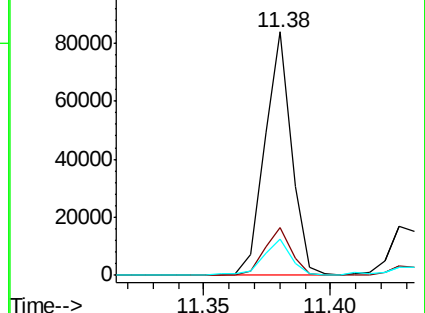
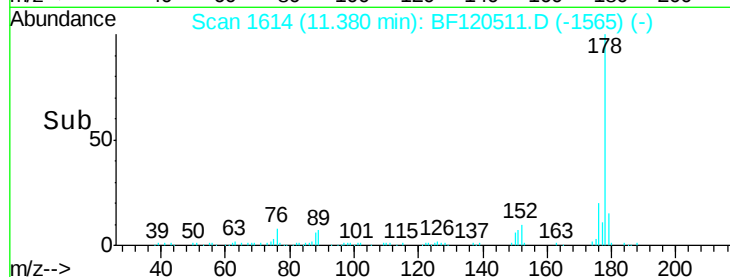
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	24.8
179	15.1	13.0	19.4



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: 5.568 ng

RT: 12.57 min Scan# 1816

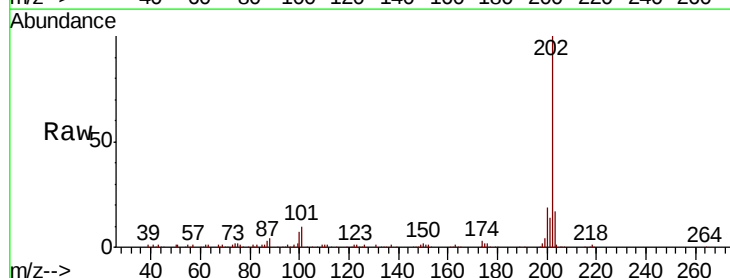
Delta R.T. -0.01 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

Tgt Ion:202 Resp: 127730

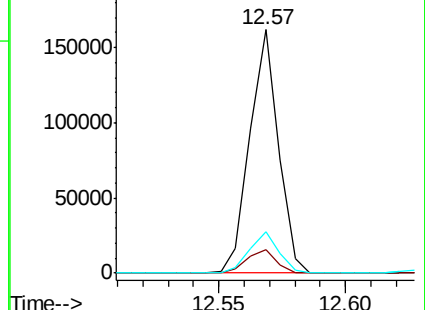
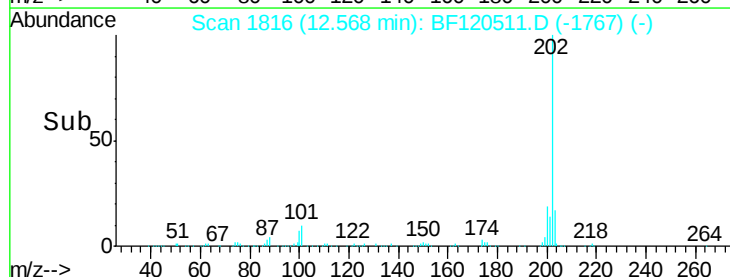
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.4
203	17.2	0.0	38.2

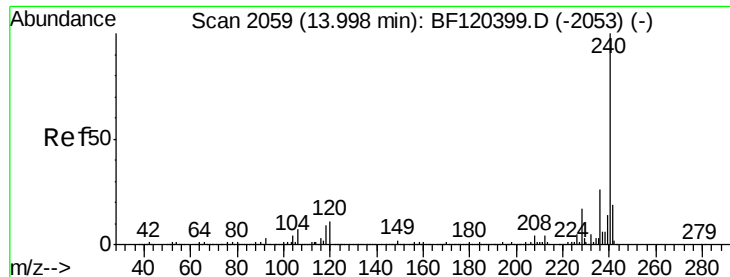


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120511.D

Acq: 3 Jun 2020 16:02

Instrument :

BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

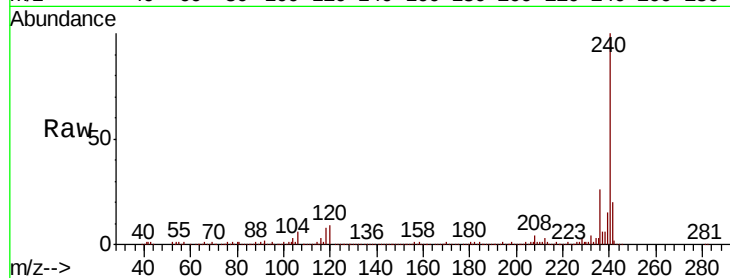
Tot Ion:240 Resp: 302662

Ion Ratio Lower Upper

240 100

120 8.8 7.9 11.9

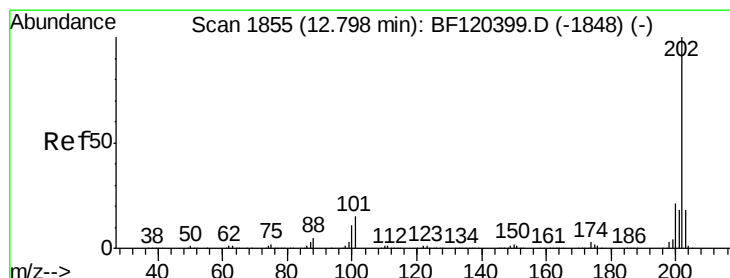
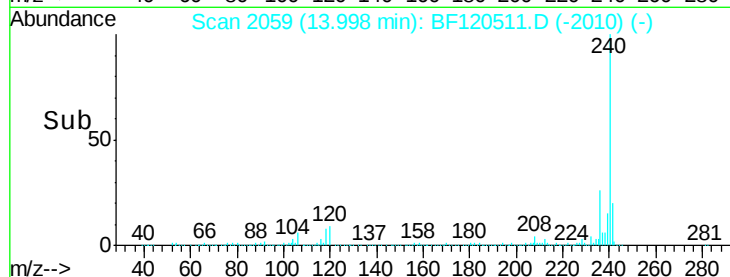
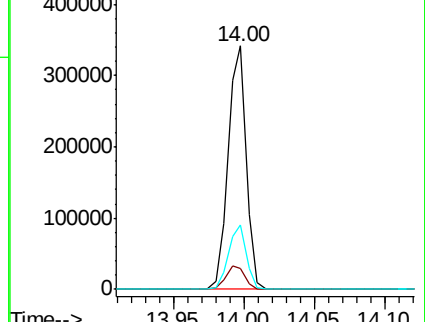
236 26.4 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 5.598 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

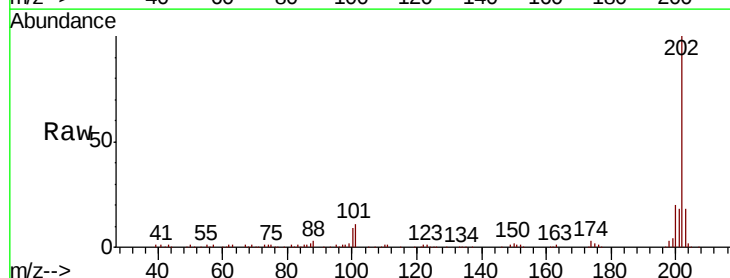
Tgt Ion:202 Resp: 117834

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

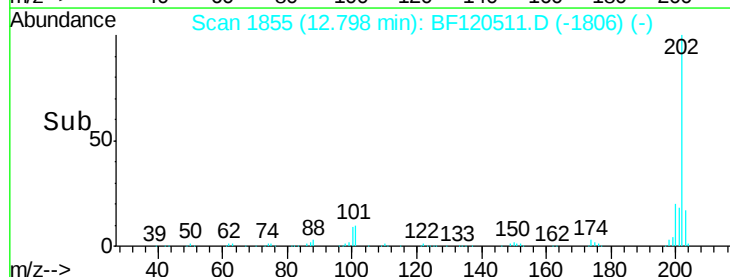
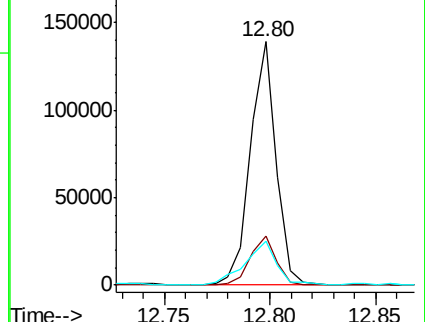
203 17.9 14.5 21.7

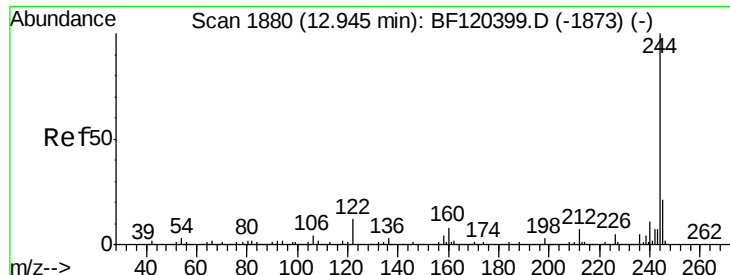


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.857 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

Instrument :

BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

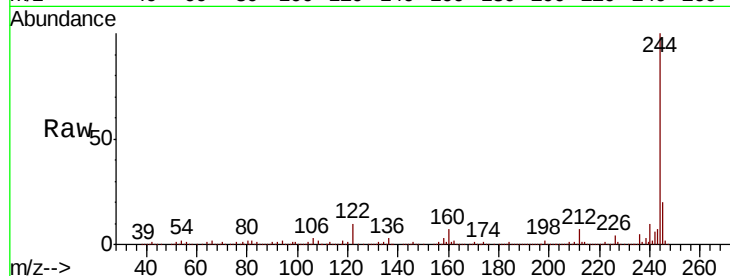
Tot Ion:244 Resp: 1154168

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

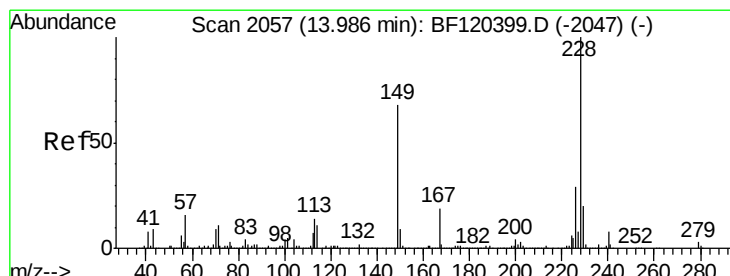
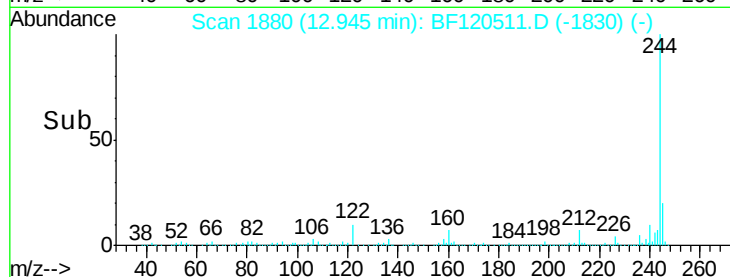
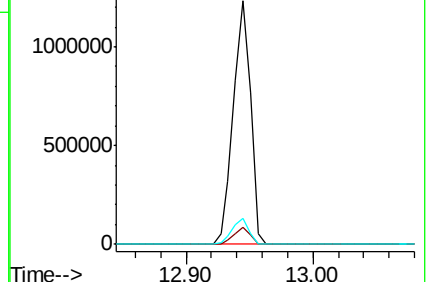
122 10.5 8.2 12.4



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: 3.708 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120511.D

Acq: 3 Jun 2020 16:02

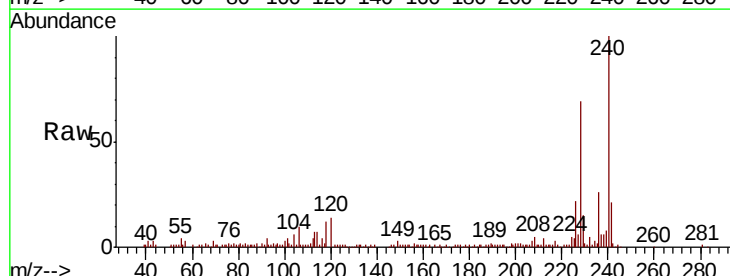
Tgt Ion:228 Resp: 60142

Ion Ratio Lower Upper

228 100

226 31.5 22.7 34.1

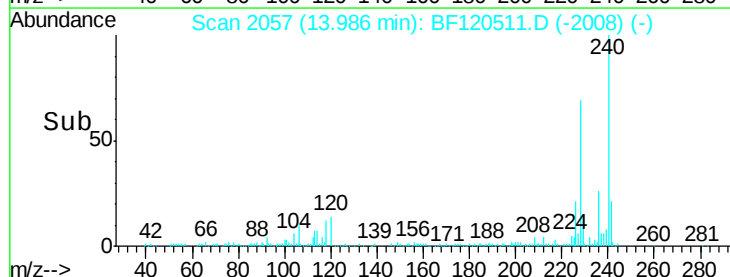
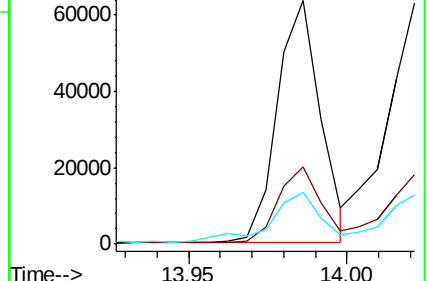
229 21.4 16.3 24.5

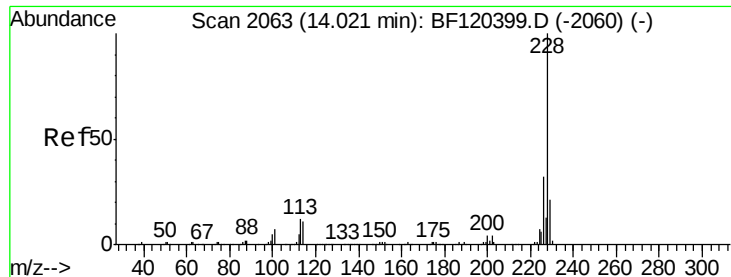


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

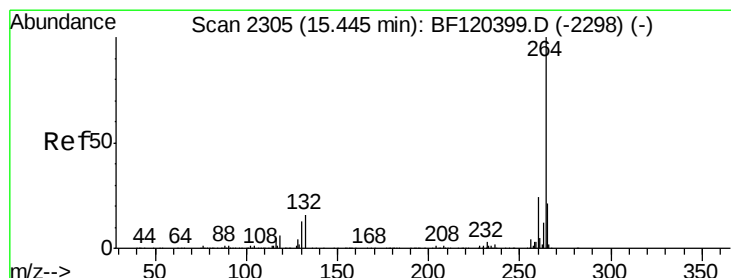
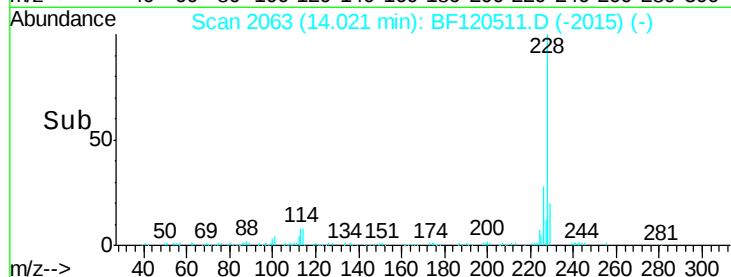
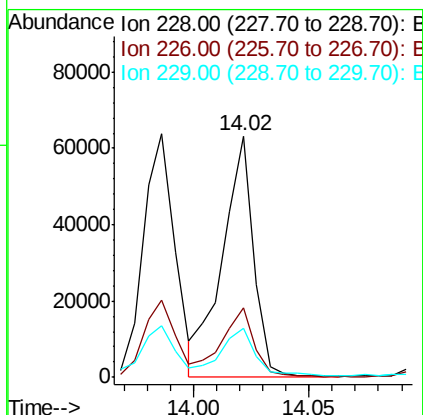
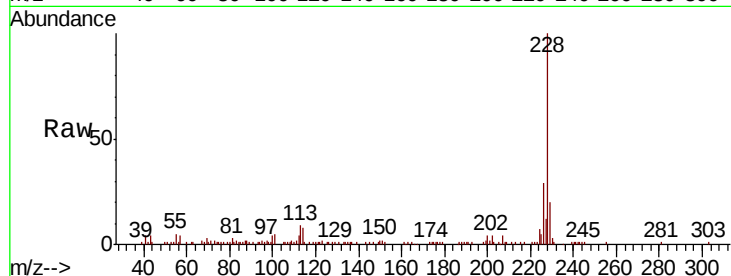




#83
Chrysene
Concen: 3.527 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

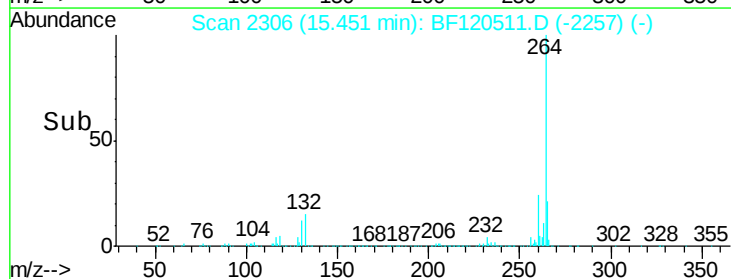
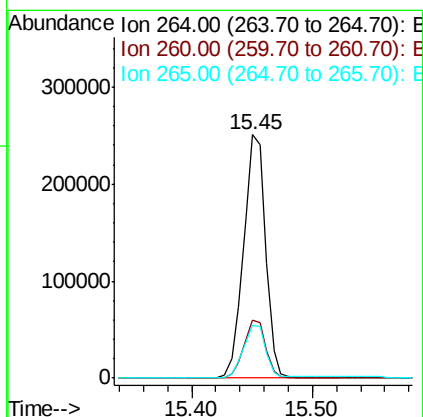
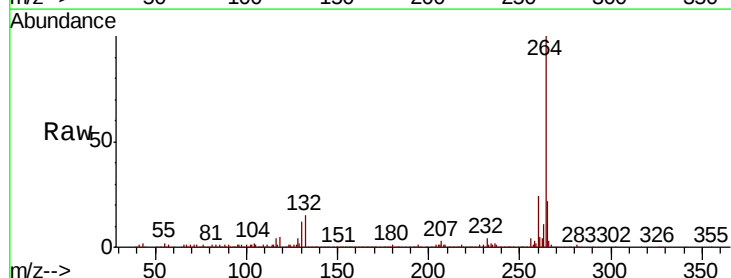
Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

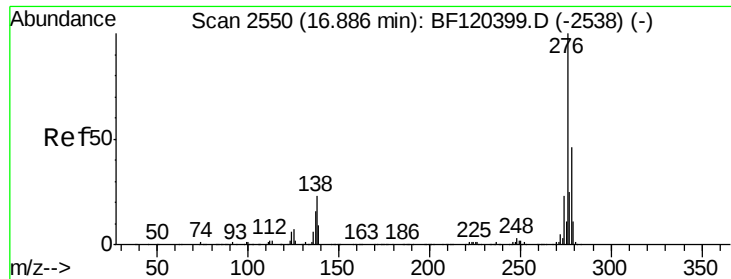
Tot Ion:228 Resp: 59973
Ion Ratio Lower Upper
228 100
226 29.0 25.2 37.8
229 20.5 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

Tgt Ion:264 Resp: 320901
Ion Ratio Lower Upper
264 100
260 23.8 19.8 29.8
265 21.6 17.5 26.3

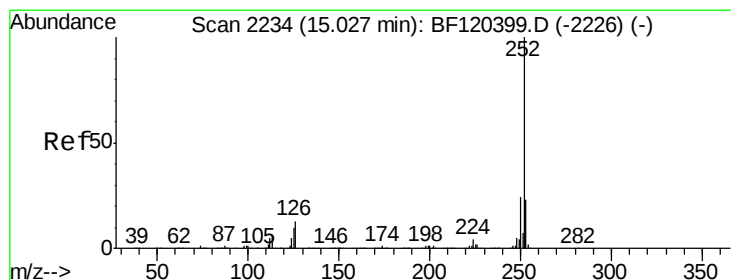
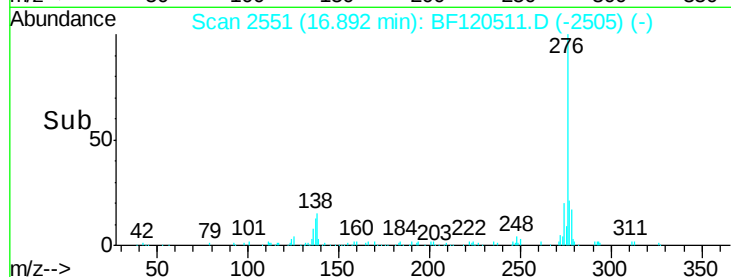
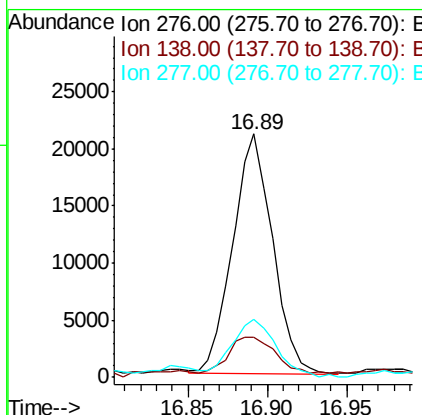
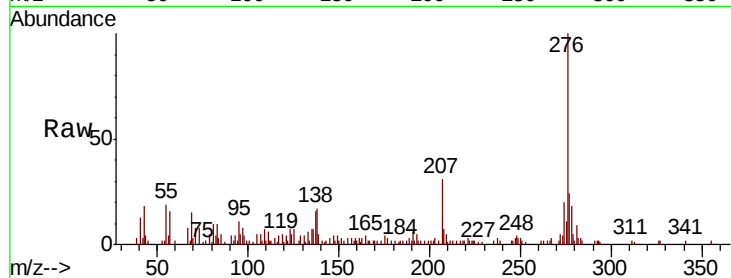




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.095 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.03 min
 Lab File: BF120511.D
 Acq: 3 Jun 2020 16:02

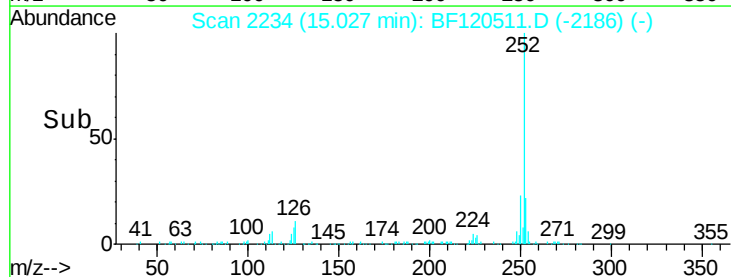
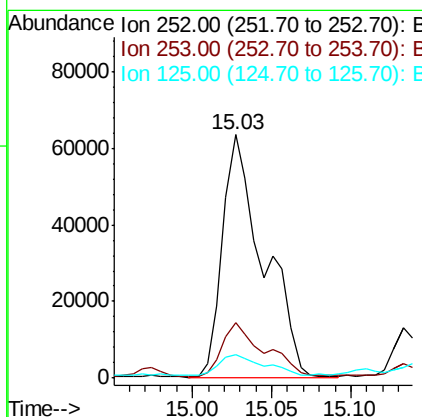
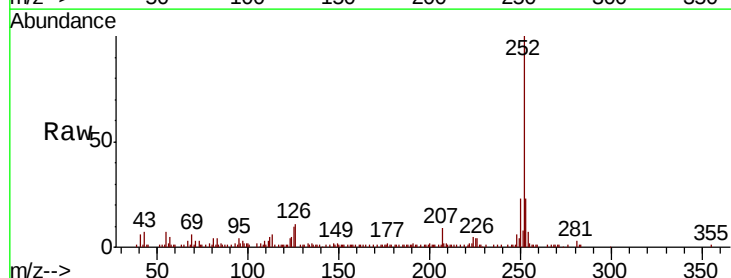
Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

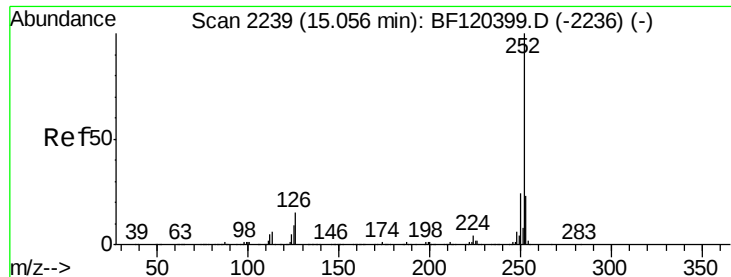
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.3	19.2	28.8#
277	26.8	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 6.473 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120511.D
 Acq: 3 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.9	7.6	11.4

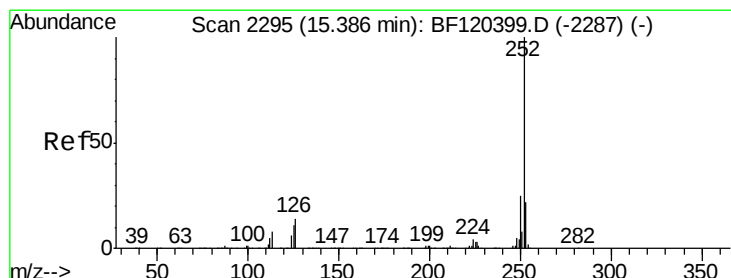
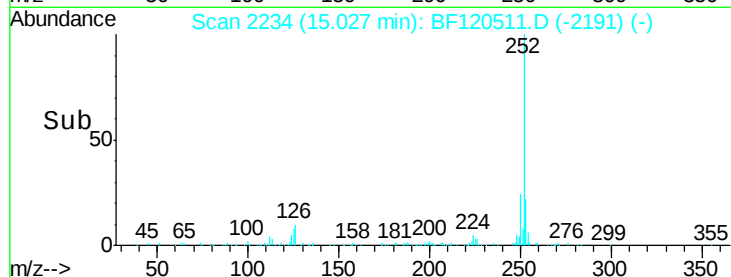
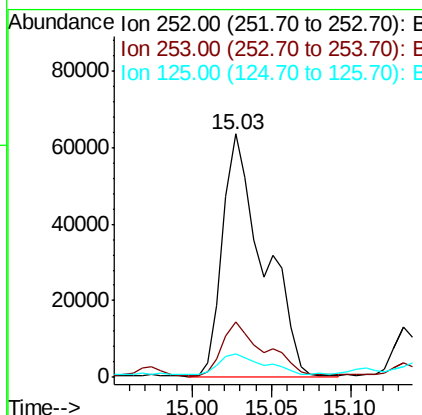
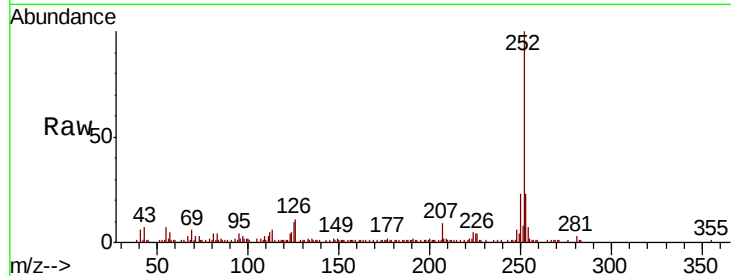




#89
Benzo(k)fluoranthene
Concen: 6.933 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

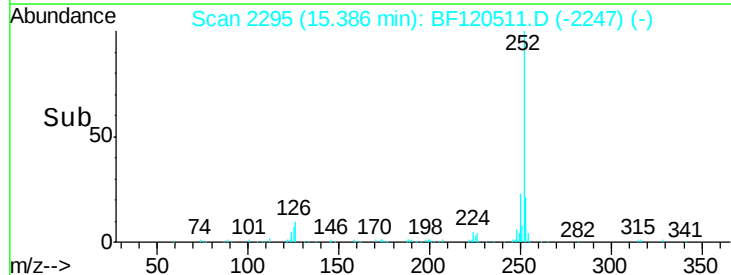
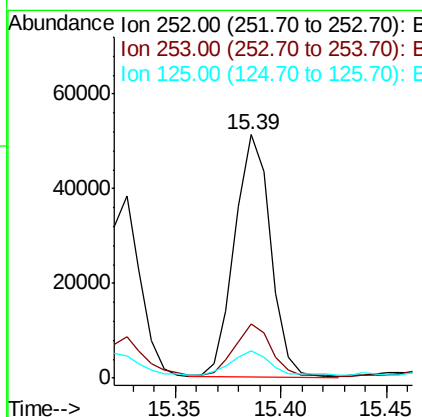
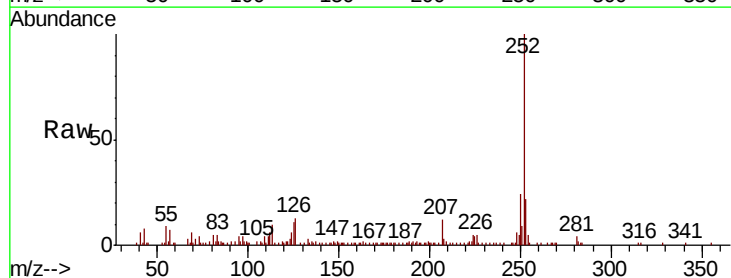
Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

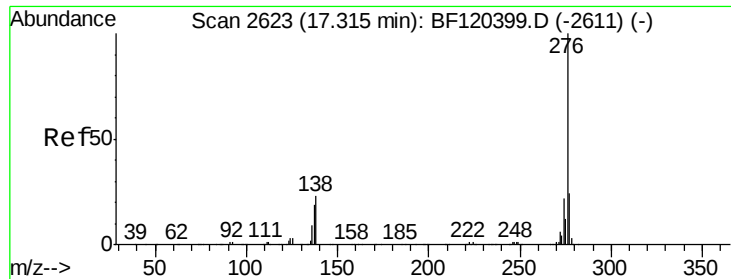
Tot Ion:252 Resp: 115367
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.9 7.5 11.3



#90
Benzo(a)pyrene
Concen: 3.896 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120511.D
Acq: 3 Jun 2020 16:02

Tgt Ion:252 Resp: 60745
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 11.4 9.2 13.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.468 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.04 min
 Lab File: BF120511.D
 Acq: 3 Jun 2020 16:02

Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.2	19.4	29.2	
138	24.4	16.6	25.0	

