

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120427.D
 Acq On : 29 May 2020 00:18
 Operator : MA/SJ
 Sample : L2746-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM9-COMP-2020-0-6

Quant Time: May 29 03:32:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

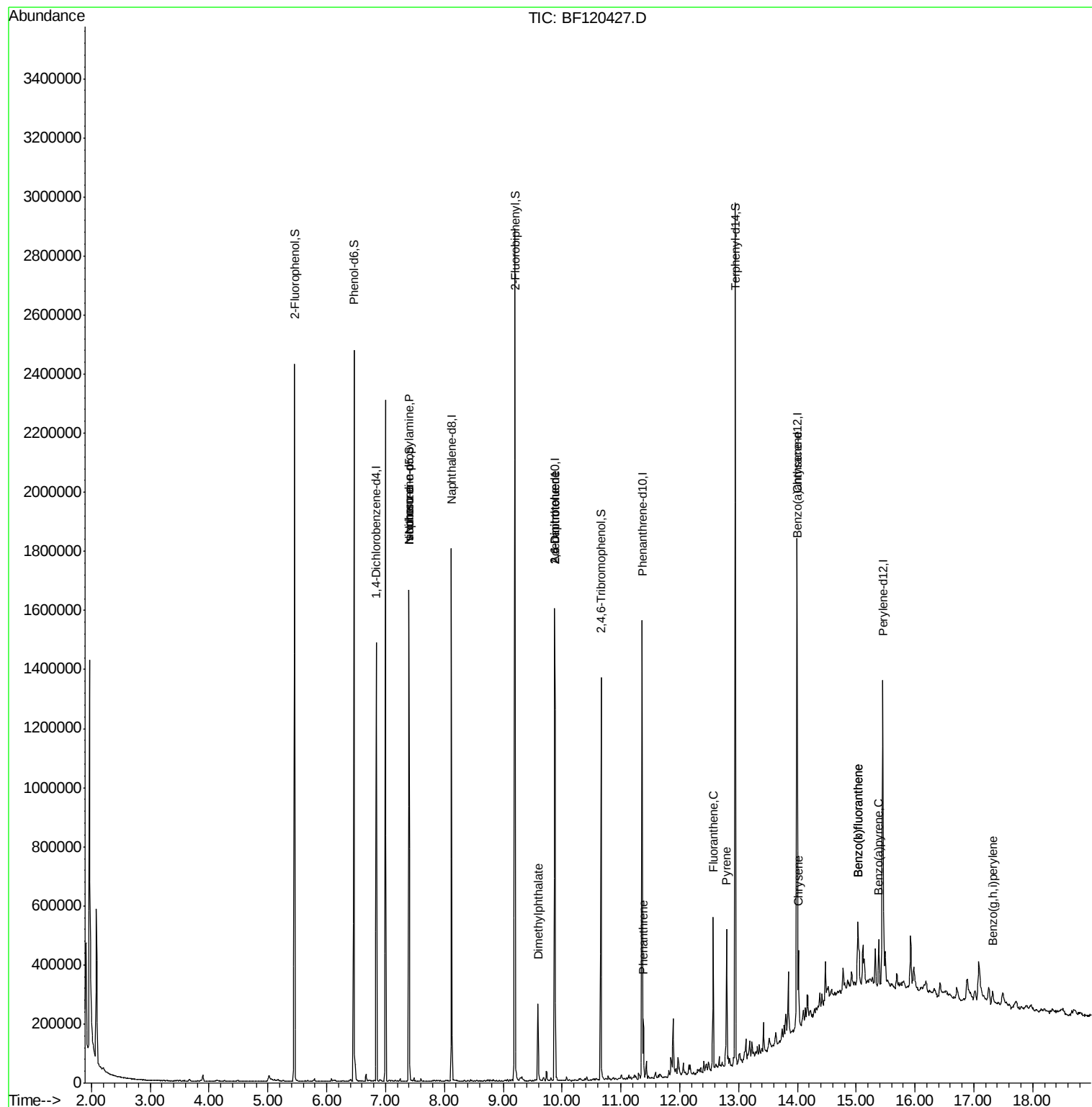
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	213381	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	719645	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	318536	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	560562	20.00	ng	0.00
76) Chrysene-d12	14.00	240	526408	20.00	ng	0.00
86) Perylene-d12	15.45	264	461621	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	635499	56.76	ng	0.00
7) Phenol-d6	6.46	99	755118	54.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	444050	40.36	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	171397	58.07	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	855649	45.58	ng	0.00
79) Terphenyl-d14	12.94	244	937573	39.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	57873	6.597	ng	Qvalue # 78
25) Isophorone	7.40	82	443973	20.079	ng	# 64
50) Dimethylphthalate	9.59	163	104087	5.227	ng	99
51) 2,6-Dinitrotoluene	9.87	165	40784	9.216	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	40784	7.201	ng	# 22
71) Phenanthrene	11.38	178	70052	2.836	ng	97
75) Fluoranthene	12.57	202	187254	7.046	ng	99
78) Pyrene	12.80	202	177480	4.848	ng	99
81) Benzo(a)anthracene	13.99	228	109053	3.865	ng	94
83) Chrysene	14.02	228	90858	3.072	ng	97
88) Benzo(b)fluoranthene	15.03	252	149635	5.836	ng	# 95
89) Benzo(k)fluoranthene	15.03	252	149635	6.251	ng	# 96
90) Benzo(a)pyrene	15.39	252	76014	3.389	ng	97
92) Benzo(a,h,i)perylene	17.32	276	42505	2.094	ng	98

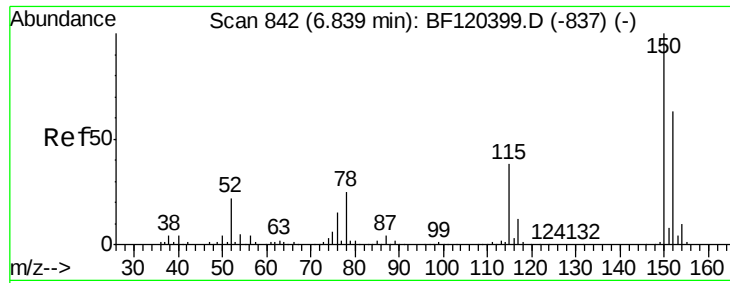
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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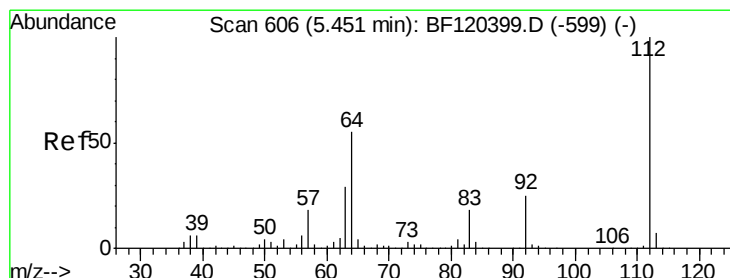
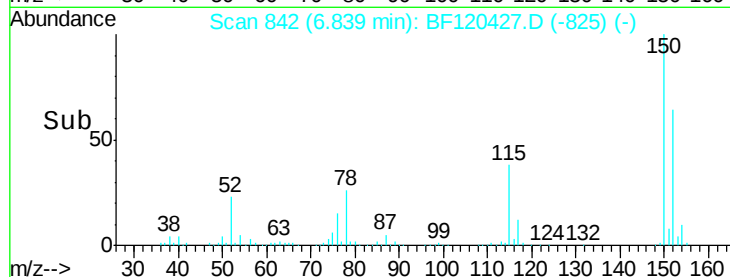
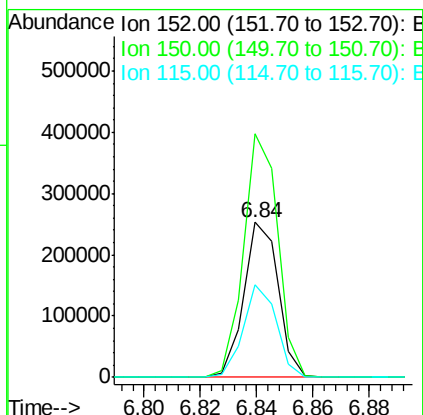
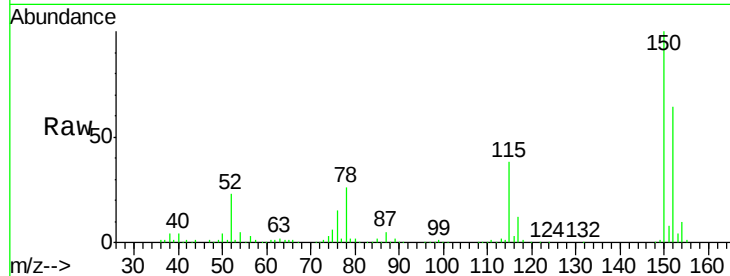




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

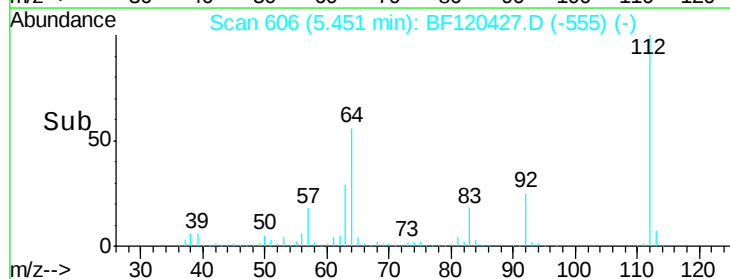
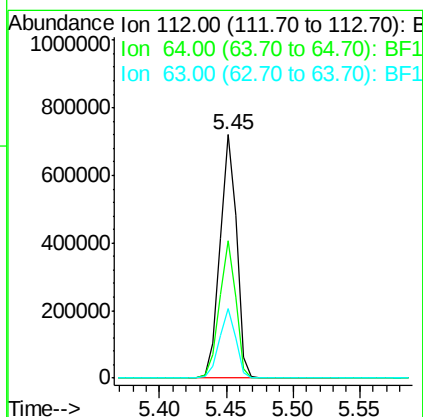
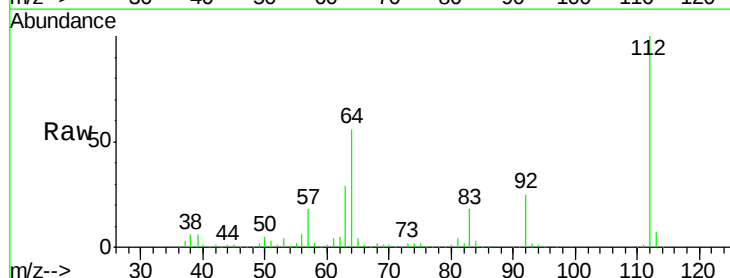
Instrument :
 BNA_F
 ClientSampleId :
 NM9-COMP-2020-0-6

Tot Ion:152 Resp: 213381
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.5 189.7
 115 59.9 47.6 71.4



#5
 2-Fluorophenol
 Concen: 56.758 ng
 RT: 5.45 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Tgt Ion:112 Resp: 635499
 Ion Ratio Lower Upper
 112 100
 64 56.3 44.3 66.5
 63 28.6 22.9 34.3





#7

Phenol-d6

Concen: 54.716 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

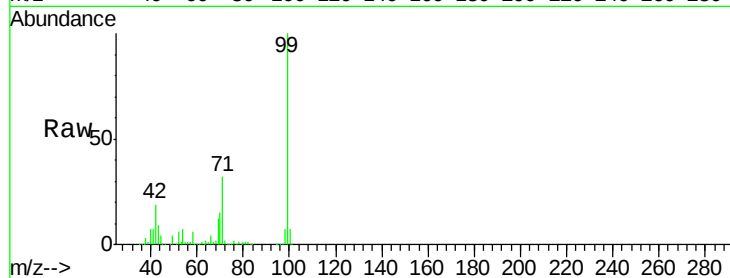
Tot Ion: 99 Resp: 755118

Ion Ratio Lower Upper

99 100

42 18.6 15.2 22.8

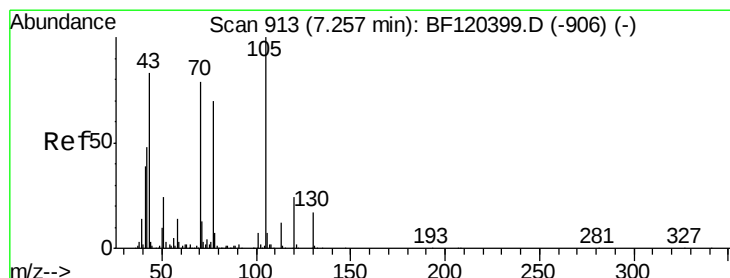
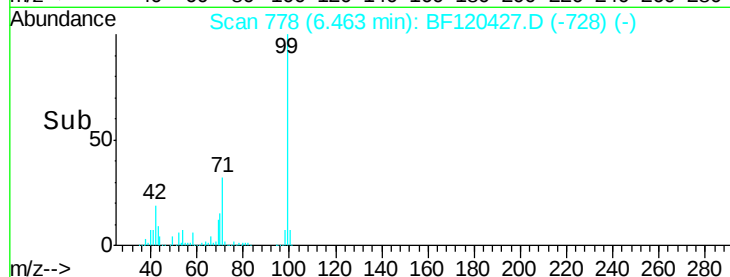
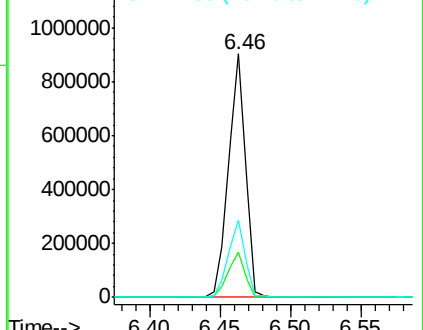
71 32.0 25.6 38.4



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: 6.597 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Tgt Ion: 70 Resp: 57873

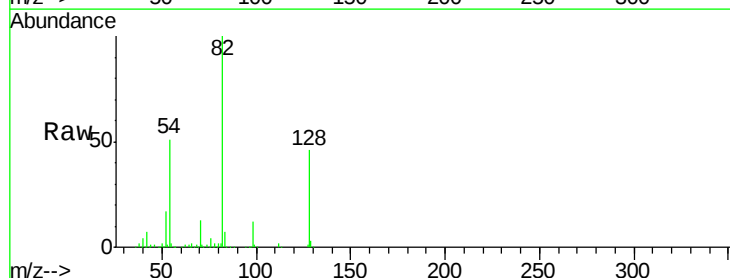
Ion Ratio Lower Upper

70 100

42 49.5 48.9 73.3

101 0.0 7.4 11.2#

130 2.0 16.8 25.2#

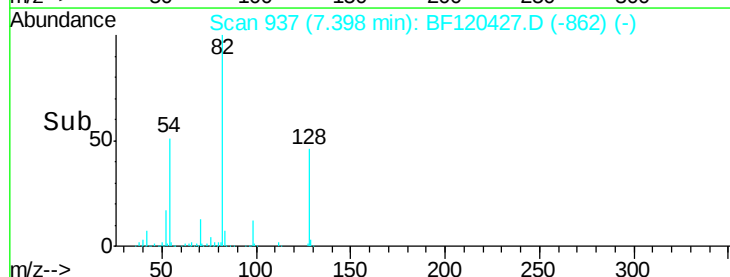
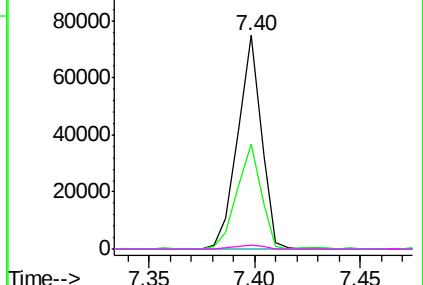


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1060

Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

Tot Ion:136 Resp: 719645

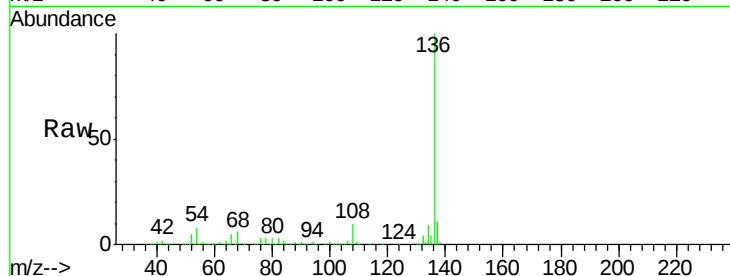
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.2 6.7 10.1

68 6.2 5.0 7.4

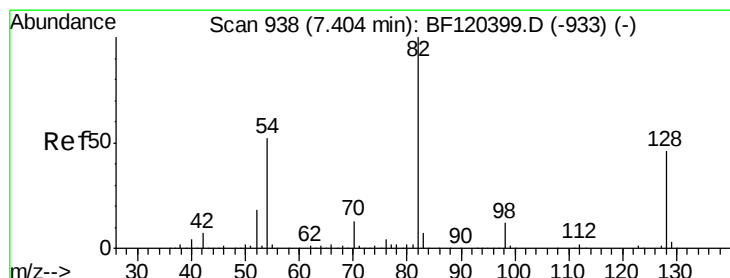
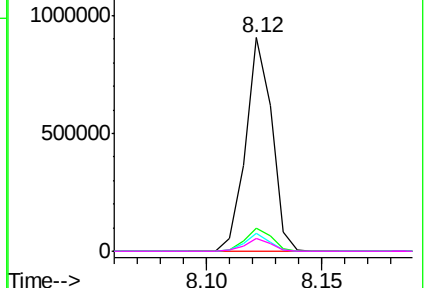
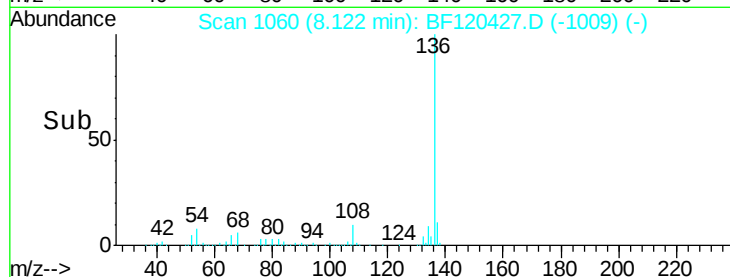


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.363 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

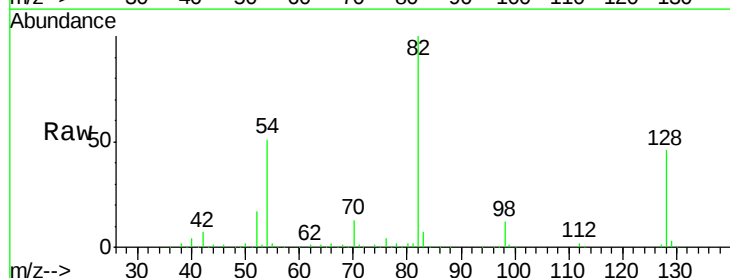
Tgt Ion: 82 Resp: 444050

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

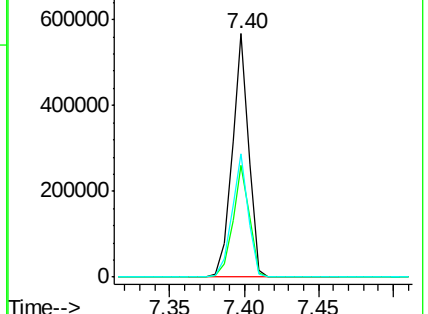
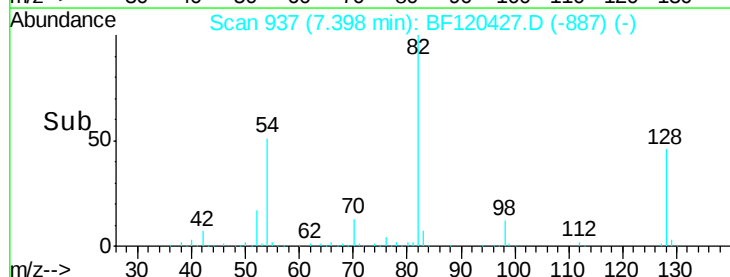
54 50.8 41.6 62.4



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: 20.079 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

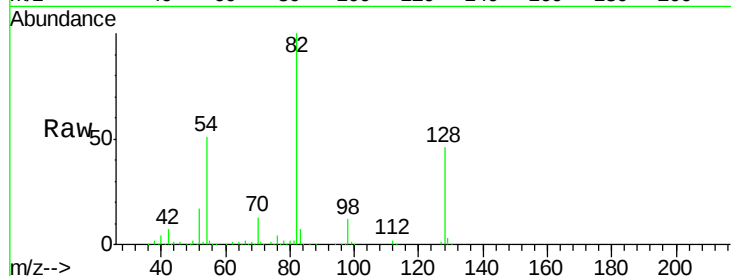
Tot Ion: 82 Resp: 443973

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

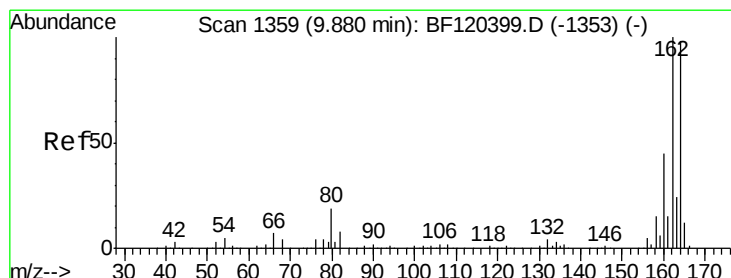
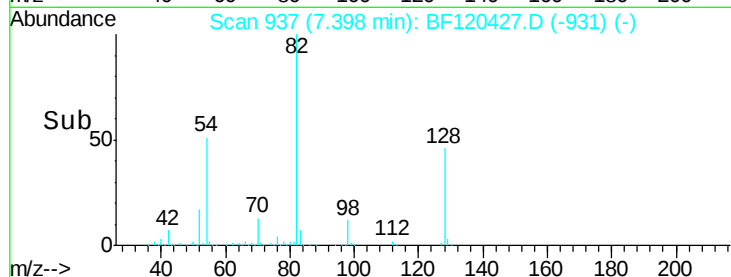
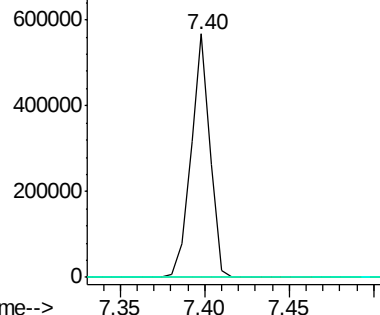
138 0.0 15.0 22.4#



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: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

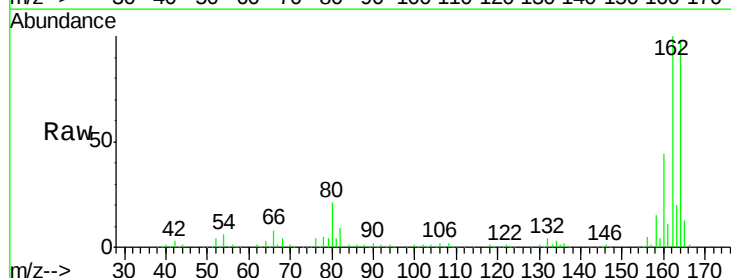
Tgt Ion:164 Resp: 318536

Ion Ratio Lower Upper

164 100

162 102.1 81.3 121.9

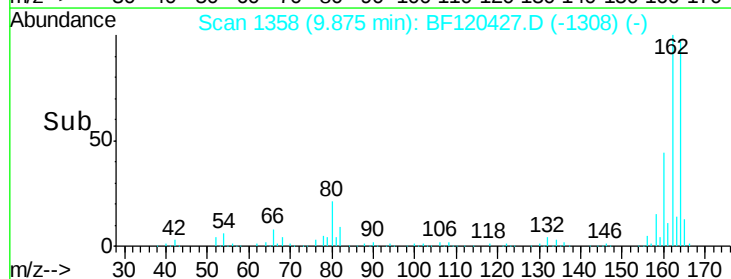
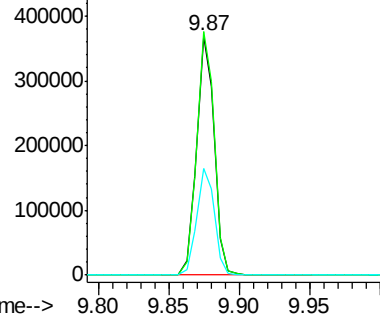
160 44.7 36.9 55.3

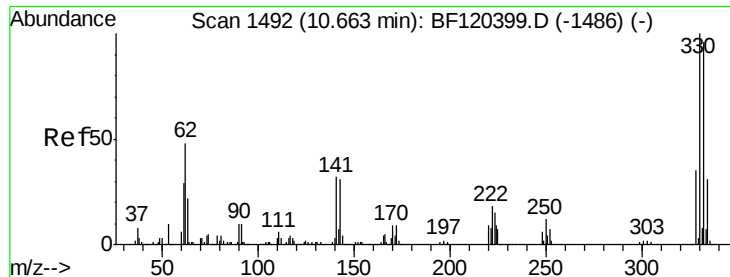


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

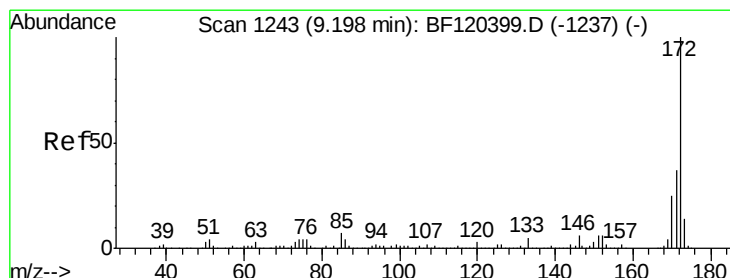
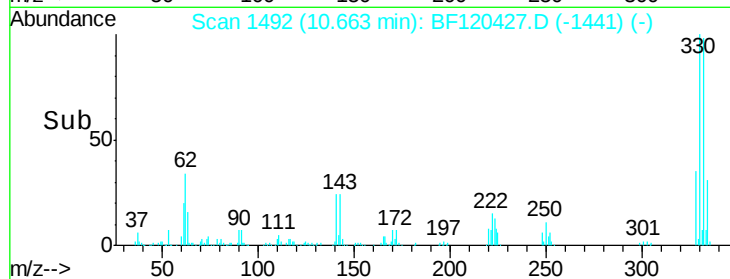
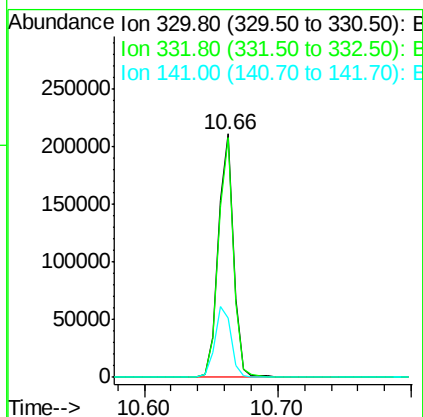
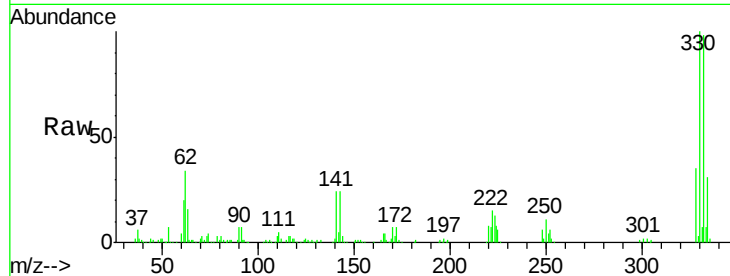




#42
 2,4,6-Tribromophenol
 Concen: 58.074 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

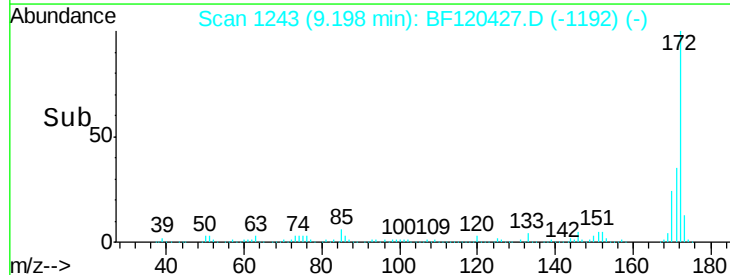
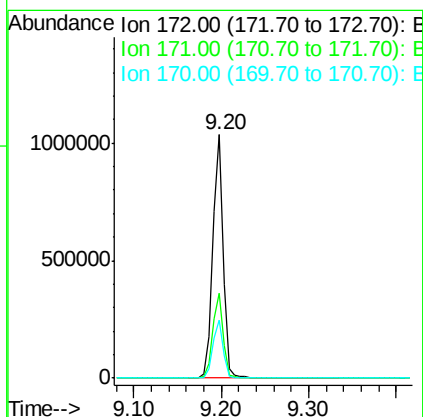
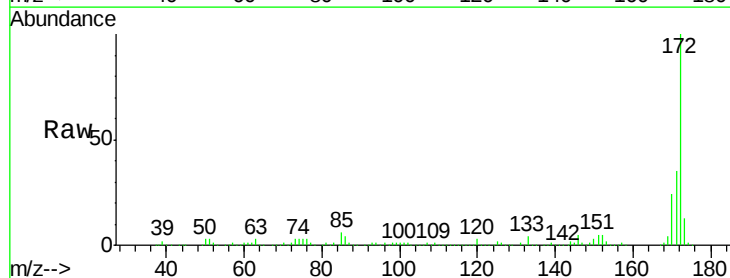
Instrument :
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 NM9-COMP-2020-0-6

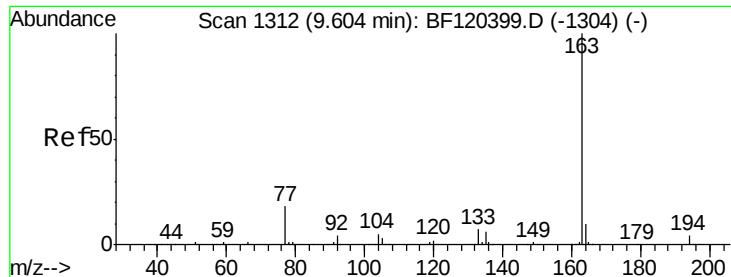
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	31.1	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 45.576 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.8	19.9	29.9





#50

Dimethylphthalate

Concen: 5.227 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

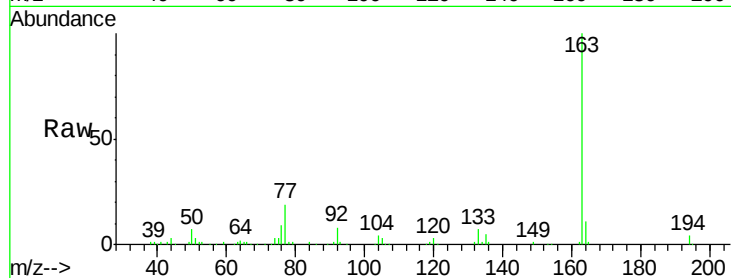
Tot Ion:163 Resp: 104087

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

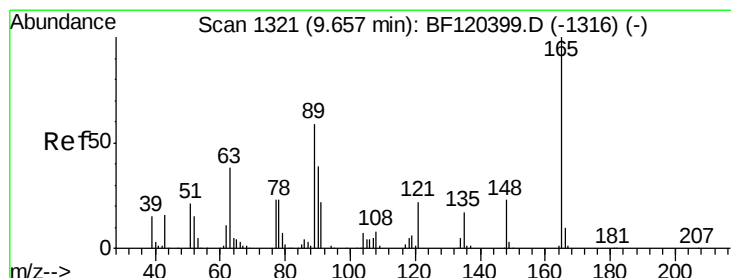
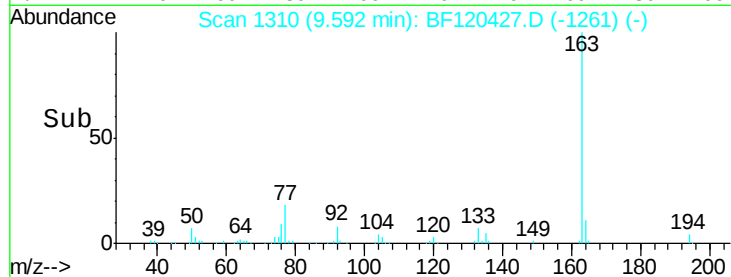
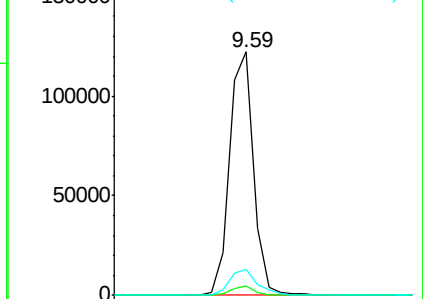
164 10.7 8.3 12.5



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



#51

2,6-Dinitrotoluene

Concen: 9.216 ng

RT: 9.87 min Scan# 1358

Delta R.T. 0.22 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

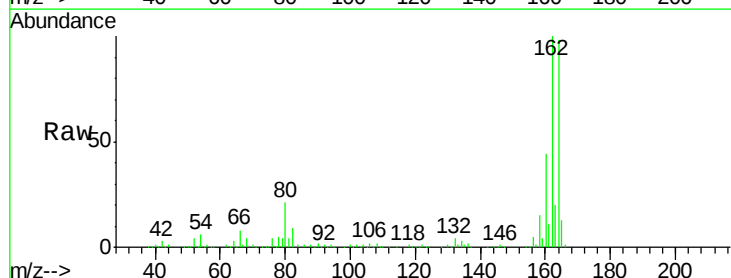
Tgt Ion:165 Resp: 40784

Ion Ratio Lower Upper

165 100

63 1.1 46.9 70.3#

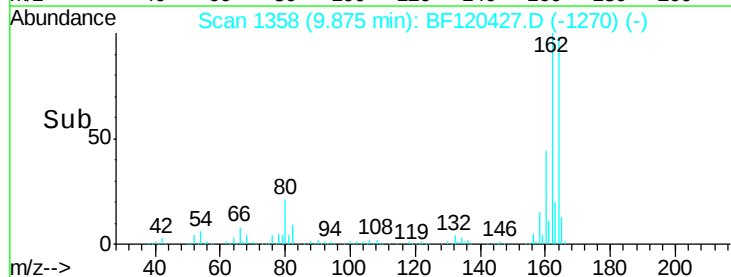
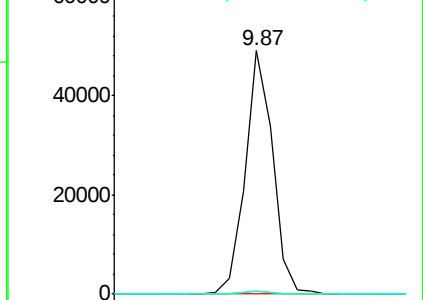
89 1.4 47.5 71.3#

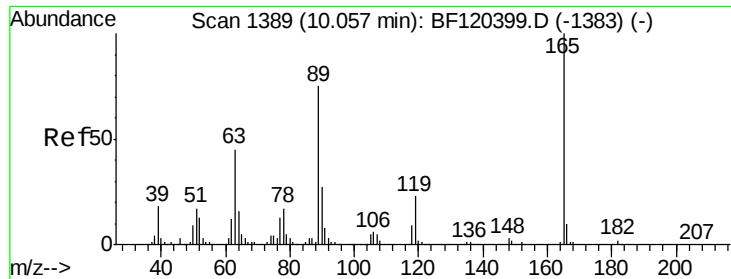


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

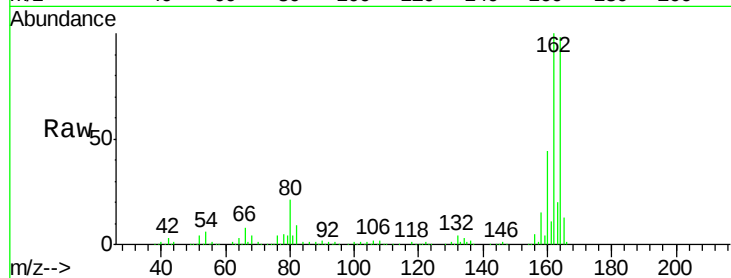




#57
 2,4-Dinitrotoluene
 Concen: 7.201 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.18 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

Instrument :
 BNA_F
 ClientSampleId :
 NM9-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.9	53.9#
89	1.4	60.0	90.0#
182	0.0	2.0	3.0#

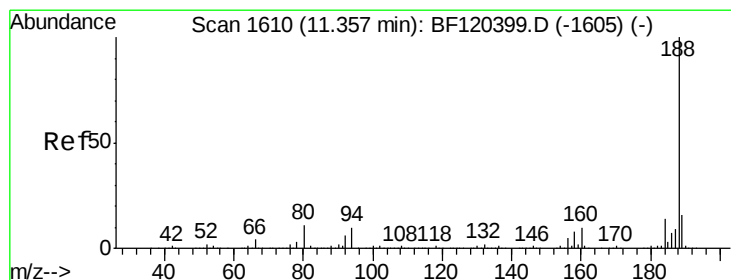
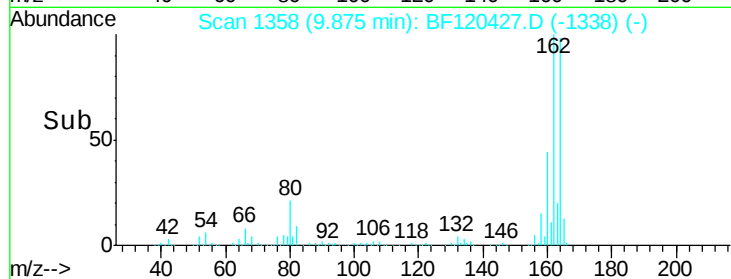
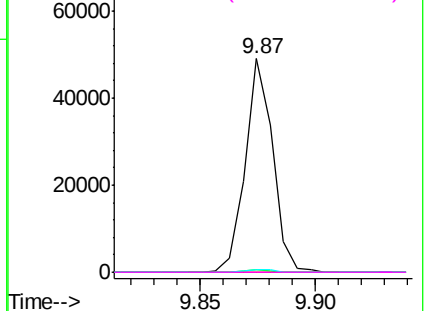


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

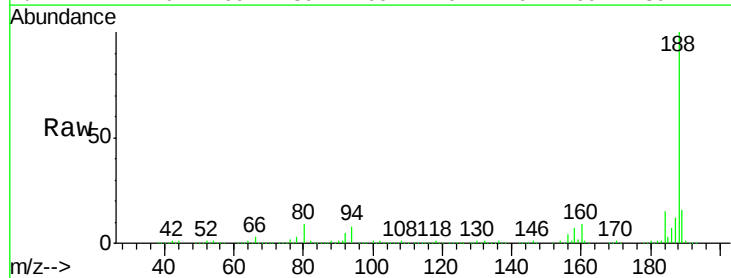
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF120427.D
 Acq: 29 May 2020 00:18

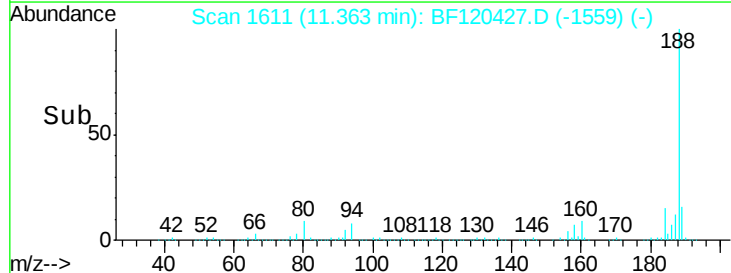
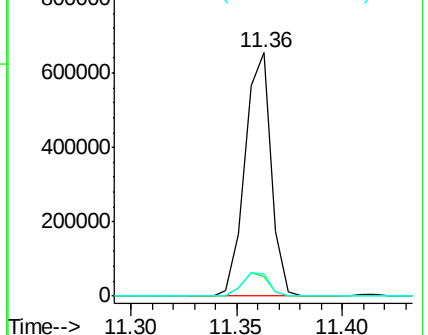
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.9	11.9
80	8.9	8.6	13.0

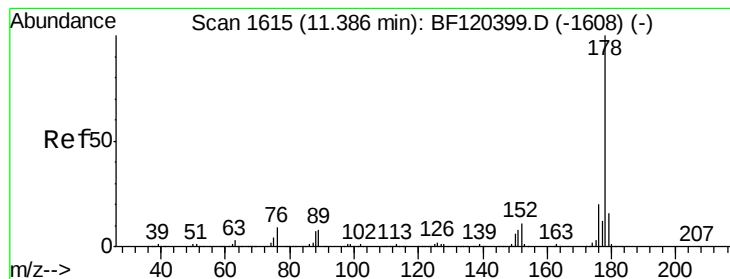


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.836 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

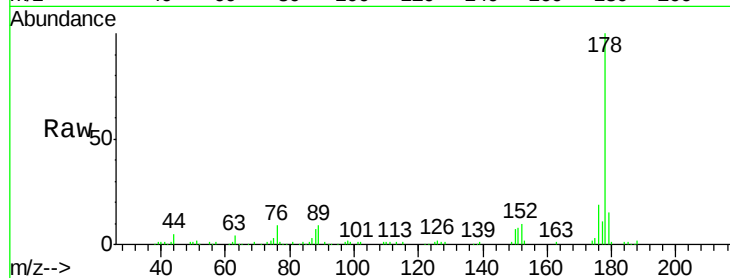
Tot Ion:178 Resp: 70052

Ion Ratio Lower Upper

178 100

176 18.9 16.4 24.6

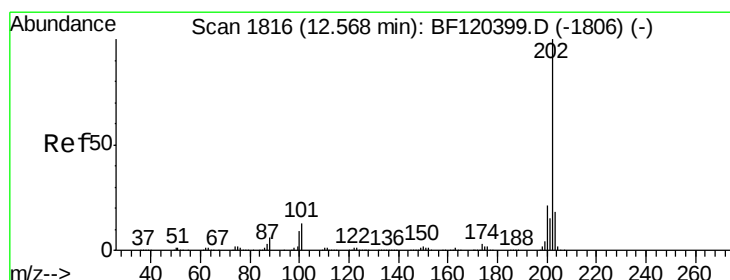
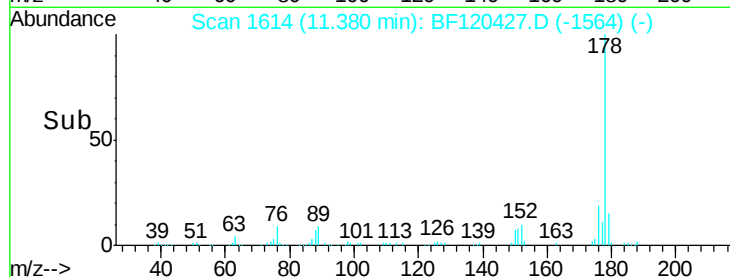
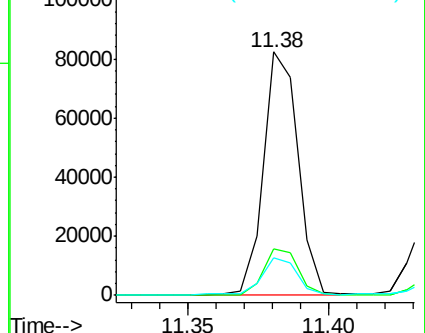
179 15.4 13.0 19.4



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: 7.046 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

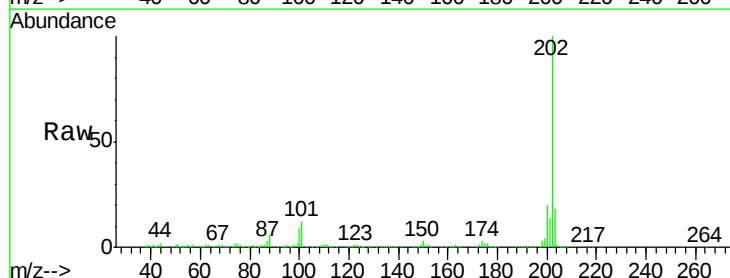
Tgt Ion:202 Resp: 187254

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.6

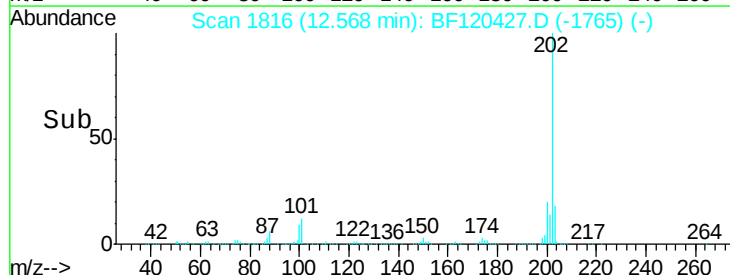
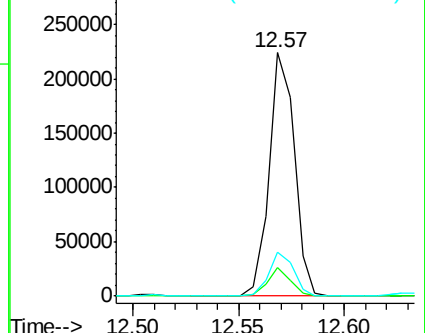
203 18.1 0.0 38.4

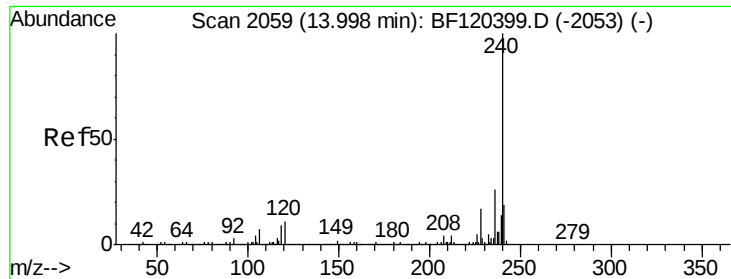


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

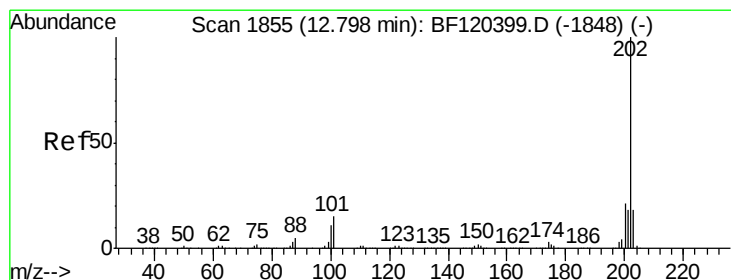
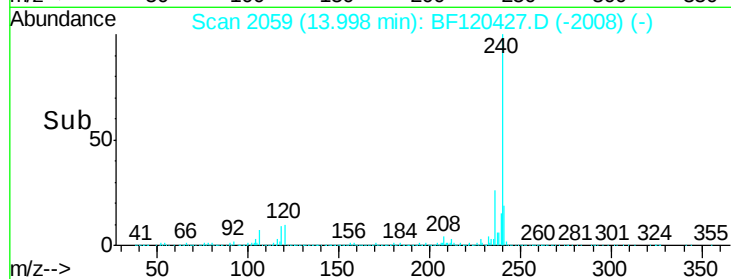
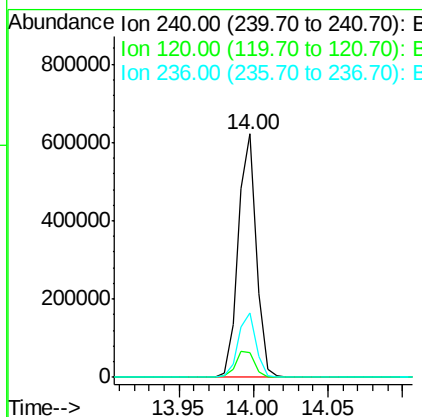
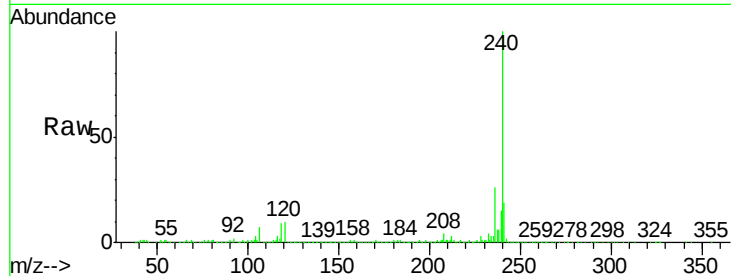




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

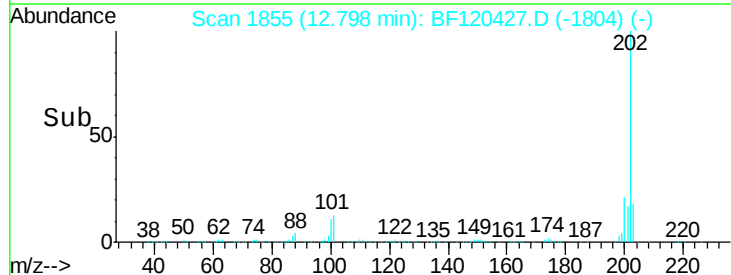
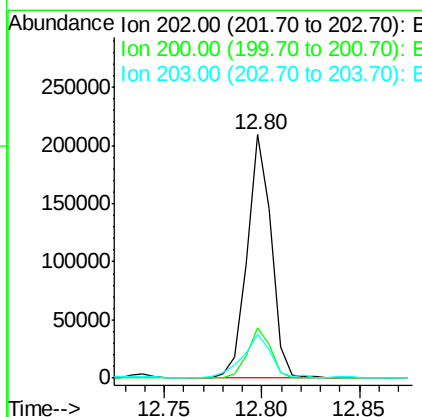
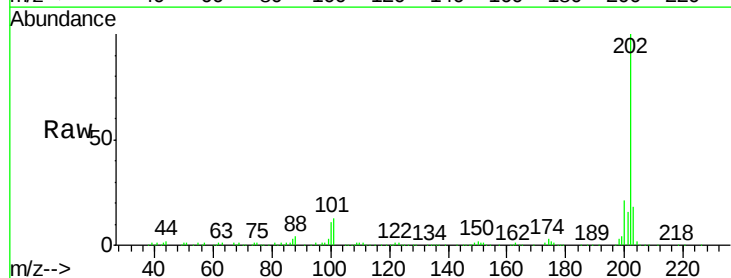
Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

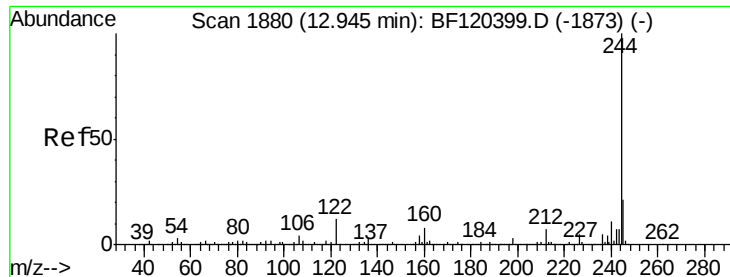
Tot Ion:240 Resp: 526408
Ion Ratio Lower Upper
240 100
120 10.3 8.8 13.2
236 26.3 21.0 31.4



#78
Pyrene
Concen: 4.848 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Tgt Ion:202 Resp: 177480
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 18.1 14.7 22.1





#79

Terphenyl-d14

Concen: 39.633 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

Instrument :

BNA_F

ClientSampleId :

NM9-COMP-2020-0-6

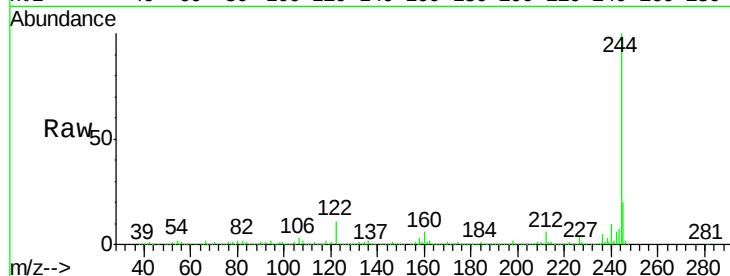
Tot Ion:244 Resp: 937573

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

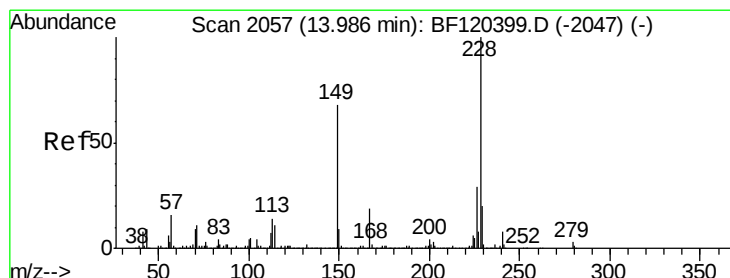
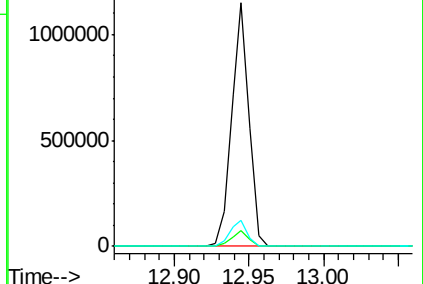
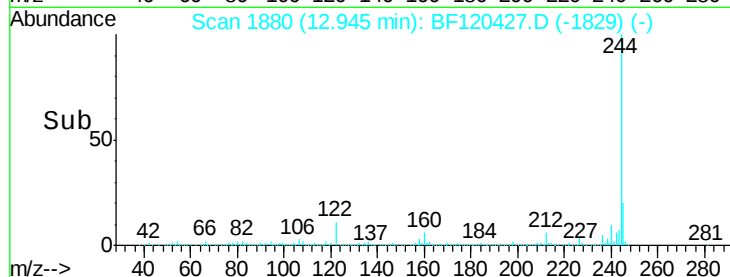
122 10.6 9.2 13.8



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: 3.865 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120427.D

Acq: 29 May 2020 00:18

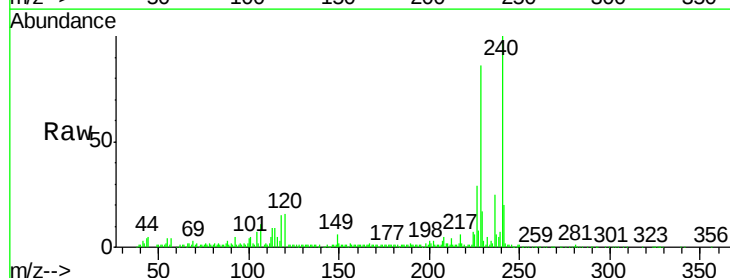
Tgt Ion:228 Resp: 109053

Ion Ratio Lower Upper

228 100

226 33.6 23.0 34.4

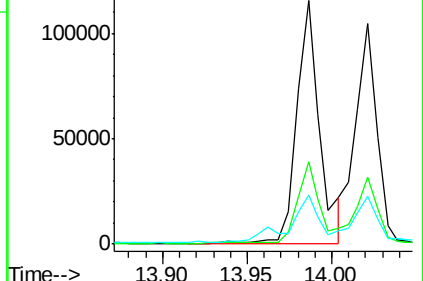
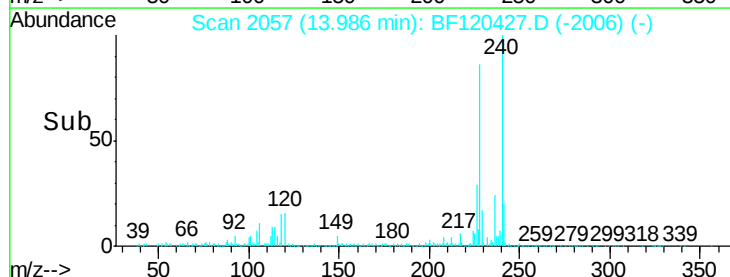
229 20.1 16.2 24.4

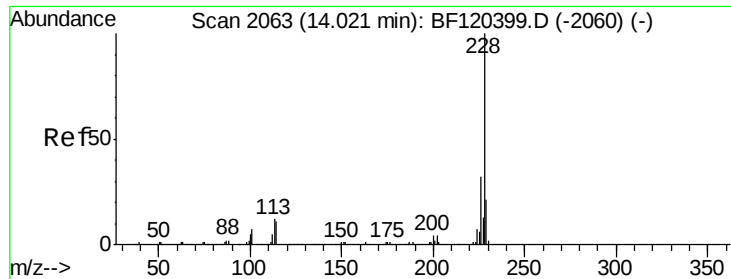


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

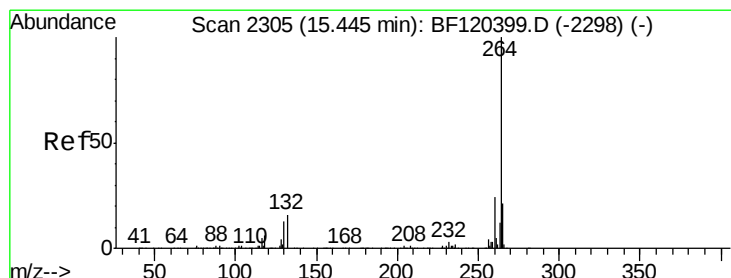
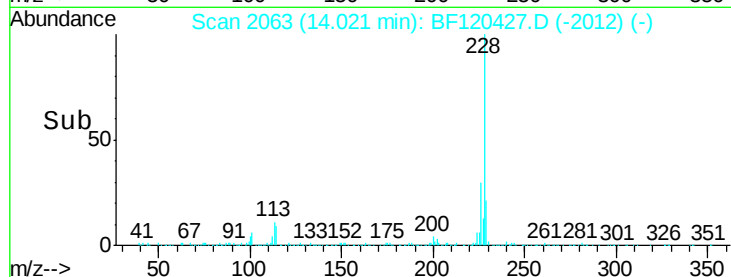
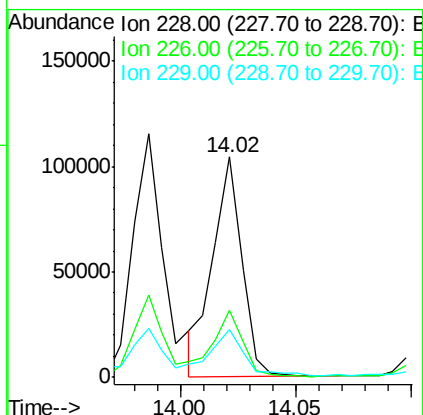
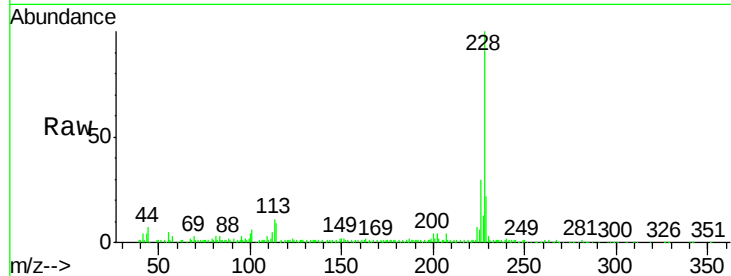




#83
Chrysene
Concen: 3.072 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

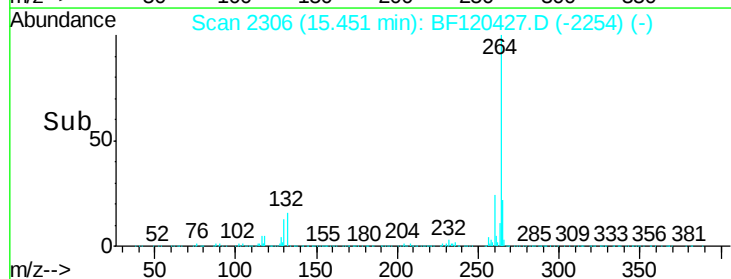
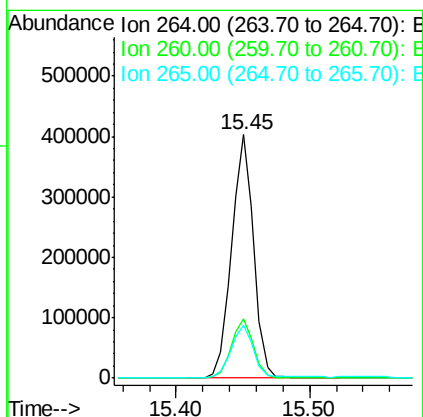
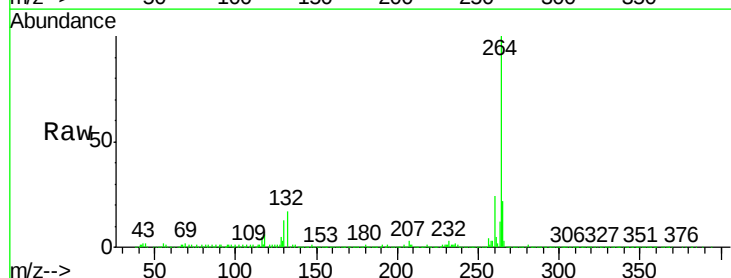
Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

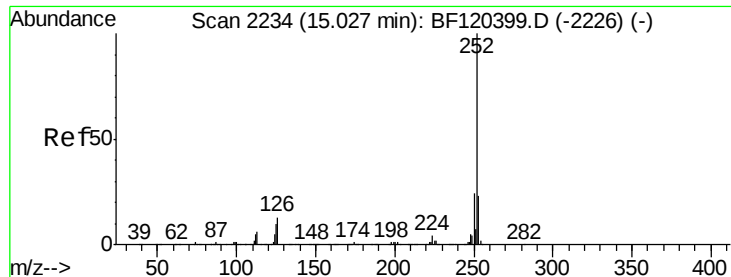
Tot Ion:228 Resp: 90858
Ion Ratio Lower Upper
228 100
226 30.2 25.6 38.4
229 21.8 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Tgt Ion:264 Resp: 461621
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.9 16.9 25.3

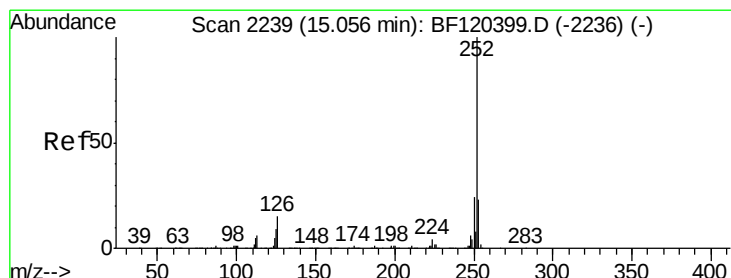
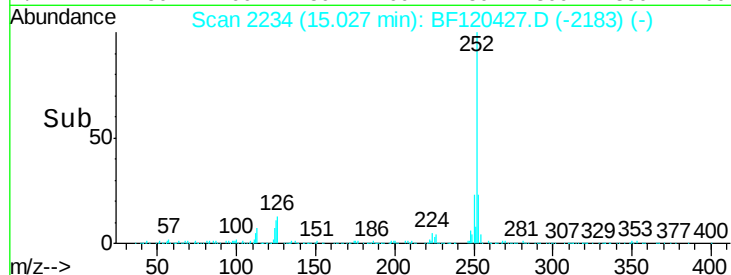
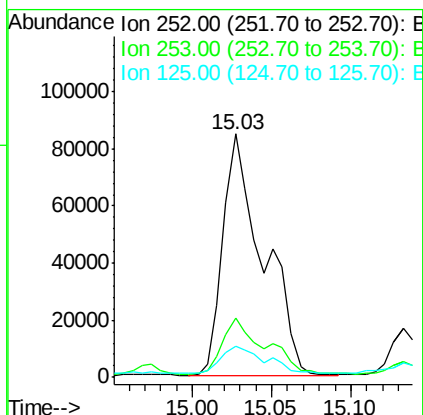
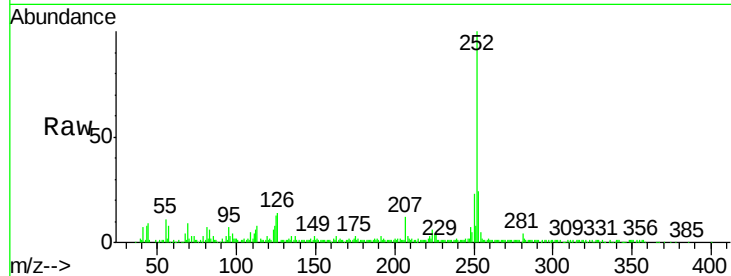




#88
Benzo(b)fluoranthene
Concen: 5.836 ng
RT: 15.03 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

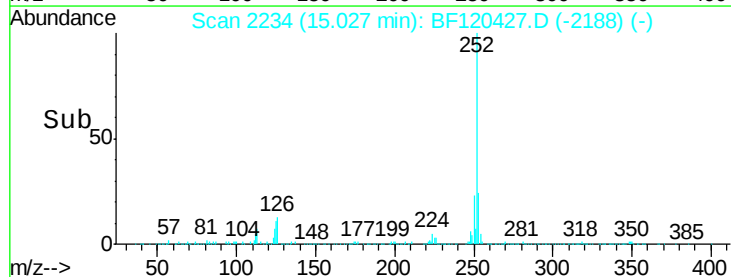
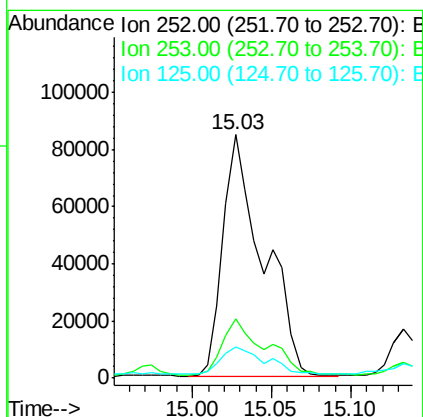
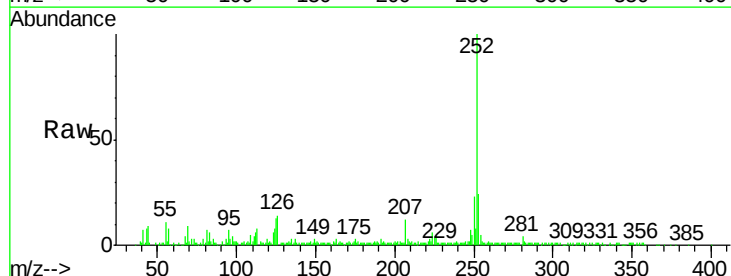
Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

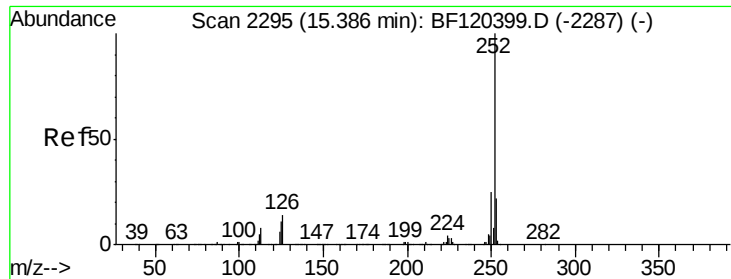
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	12.6	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 6.251 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	12.6	8.0	12.0

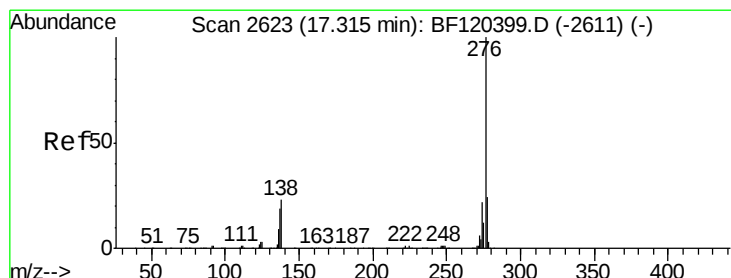
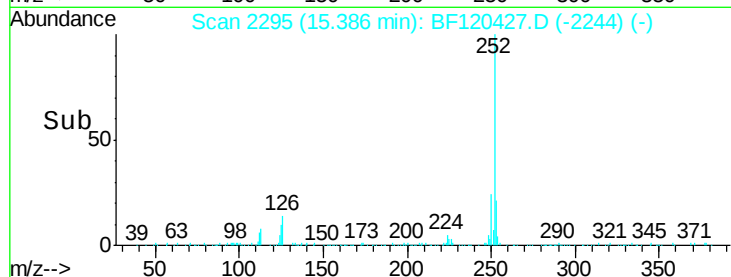
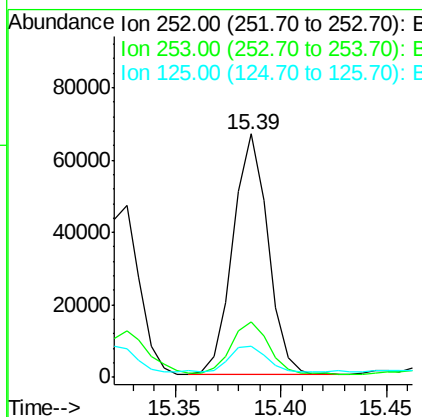
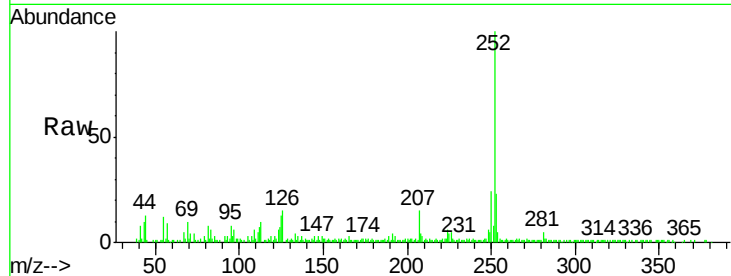




#90
Benzo(a)pyrene
Concen: 3.389 ng
RT: 15.39 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Instrument :
BNA_F
ClientSampleId :
NM9-COMP-2020-0-6

Tot Ion:252 Resp: 76014
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 12.7 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 2.094 ng
RT: 17.32 min Scan# 2624
Delta R.T. 0.01 min
Lab File: BF120427.D
Acq: 29 May 2020 00:18

Tgt Ion:276 Resp: 42505
Ion Ratio Lower Upper
276 100
277 24.8 19.5 29.3
138 21.5 18.1 27.1

