

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120519.D
 Acq On : 3 Jun 2020 19:42
 Operator : JU/CG
 Sample : L2839-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM108-2-COMP-2020-0-6

Quant Time: Jun 04 00:41:33 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	158891	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	633262	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	289975	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	536050	20.00	ng	0.00
76) Chrysene-d12	14.00	240	404276	20.00	ng	-0.01
86) Perylene-d12	15.45	264	353491	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	853441	102.36	ng	0.00
7) Phenol-d6	6.47	99	994279	96.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	718014	74.17	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	287622	107.05	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1109110	64.90	ng	0.00
79) Terphenyl-d14	12.94	244	1004107	55.27	ng	0.00

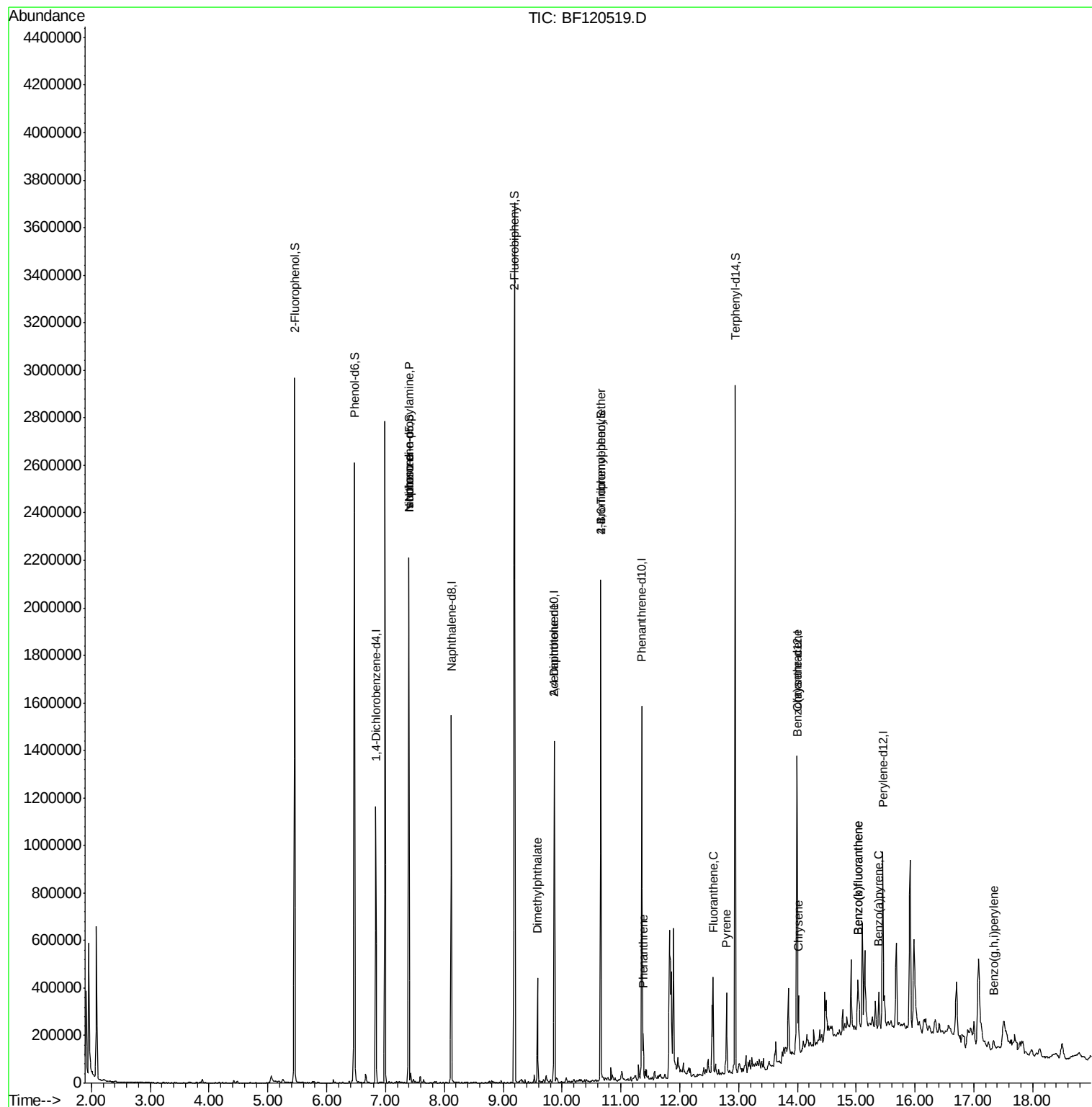
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	94945	14.534	ng	# 76
25) Isophorone	7.40	82	714991	36.746	ng	# 64
50) Dimethylphthalate	9.59	163	178411	9.841	ng	99
57) 2,4-Dinitrotoluene	9.87	165	36916	7.160	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	16487	3.047	ng	# 1
71) Phenanthrene	11.38	178	58164	2.462	ng	97
75) Fluoranthene	12.57	202	149273	5.873	ng	99
78) Pyrene	12.80	202	130634	4.646	ng	97
81) Benzo(a)anthracene	13.99	228	97755	4.512	ng	95
83) Chrysene	14.02	228	86517	3.809	ng	95
88) Benzo(b)fluoranthene	15.03	252	150321	7.656	ng	# 98
89) Benzo(k)fluoranthene	15.03	252	150321	8.201	ng	# 96
90) Benzo(a)pyrene	15.39	252	73211	4.263	ng	98
92) Benzo(a,h,i)perylene	17.33	276	33142	2.132	ng	96

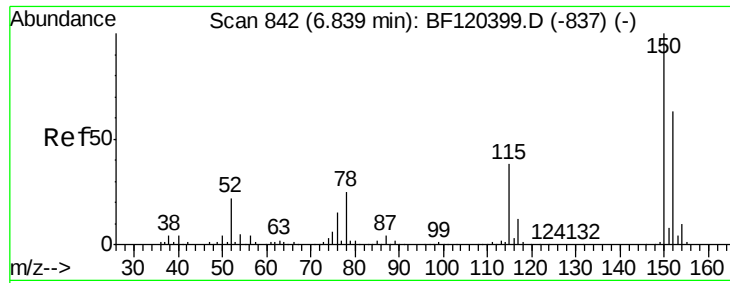
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120519.D
Acq On : 3 Jun 2020 19:42
Operator : JU/CG
Sample : L2839-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Quant Time: Jun 04 00:41:33 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



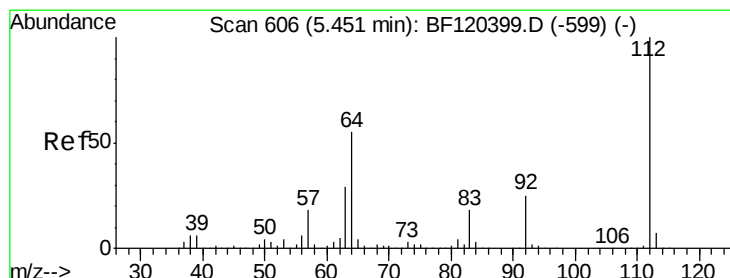
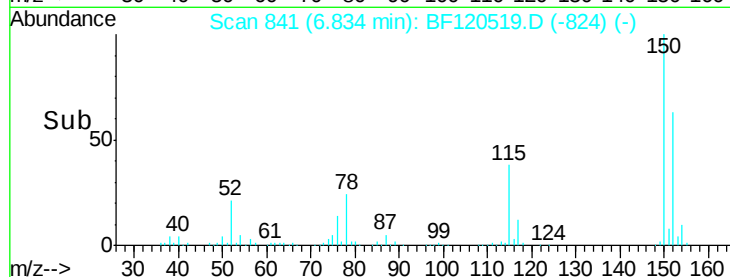
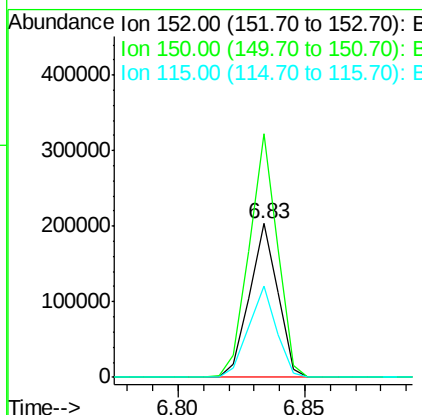
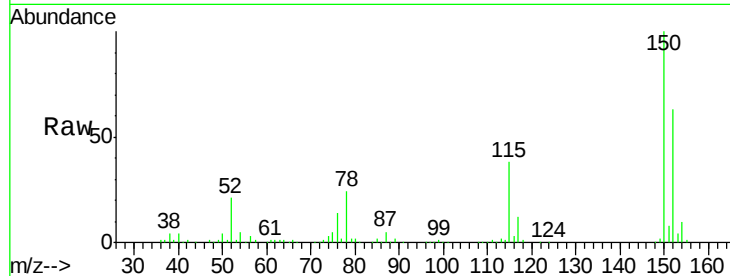


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

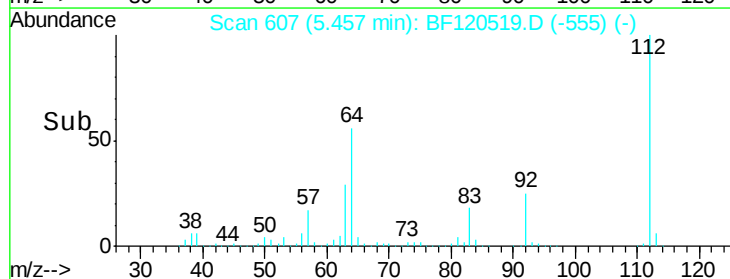
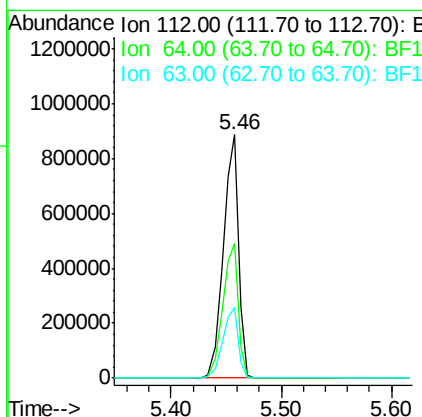
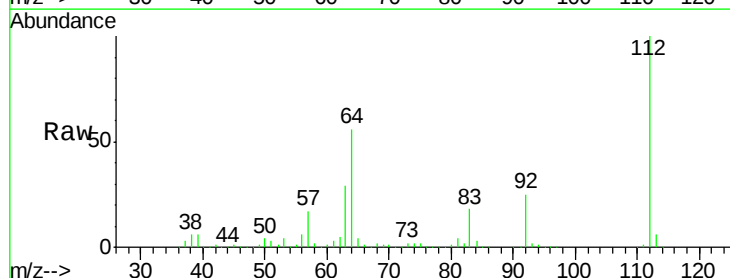
Tot Ion:152 Resp: 158891
Ion Ratio Lower Upper
152 100
150 158.6 127.1 190.7
115 59.8 48.7 73.1



#5

2-Fluorophenol
Concen: 102.362 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion:112 Resp: 853441
Ion Ratio Lower Upper
112 100
64 55.5 45.8 68.8
63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 96.753 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

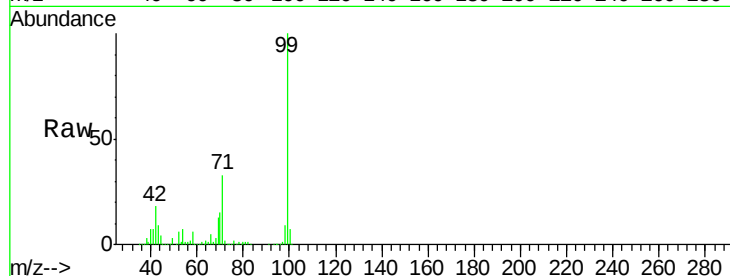
Tot Ion: 99 Resp: 994279

Ion Ratio Lower Upper

99 100

42 17.9 15.0 22.4

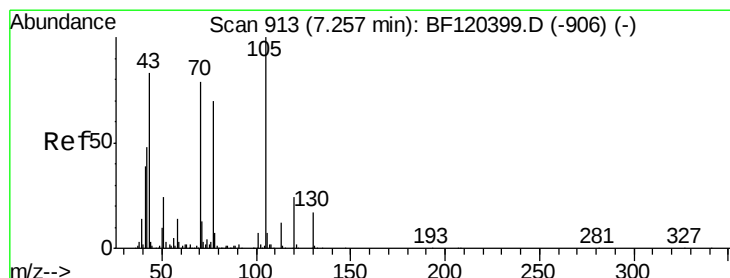
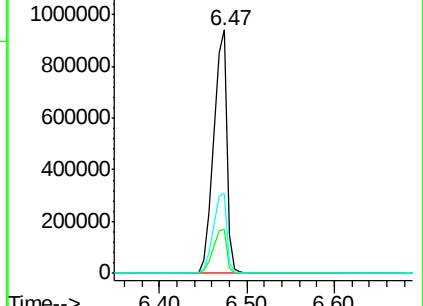
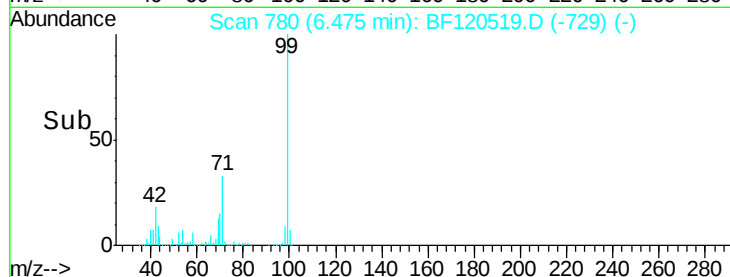
71 33.0 26.3 39.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.534 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Tgt Ion: 70 Resp: 94945

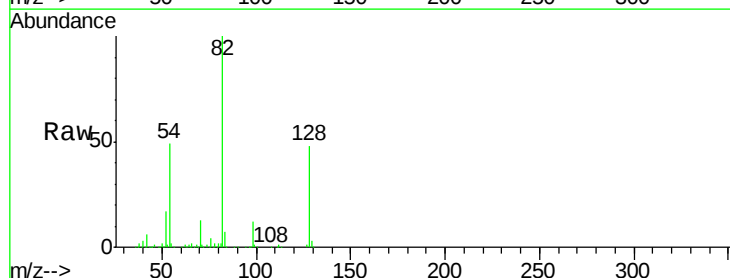
Ion Ratio Lower Upper

70 100

42 46.7 47.6 71.4#

101 0.0 7.4 11.0#

130 2.1 17.1 25.7#

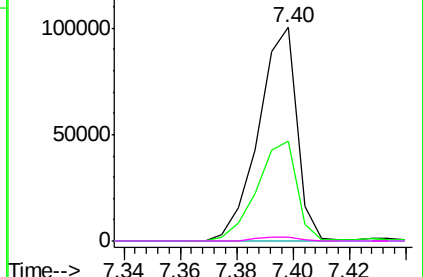
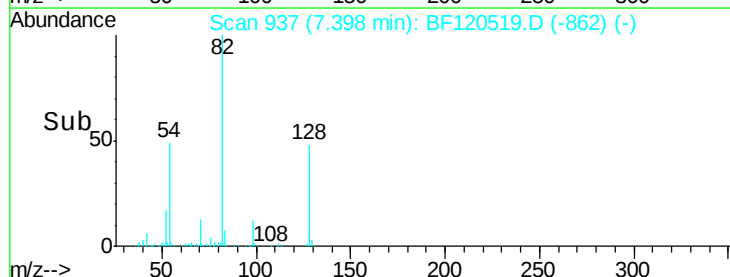


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

Tot Ion:136 Resp: 633262

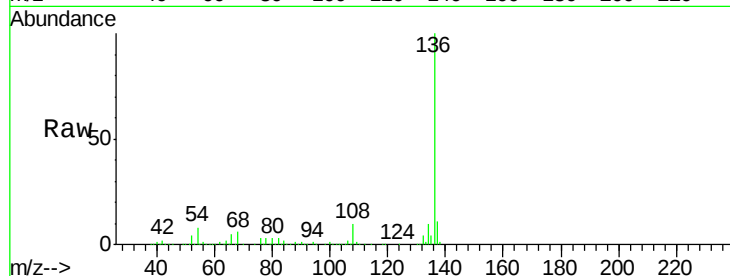
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.5 6.0 9.0

68 5.6 4.8 7.2

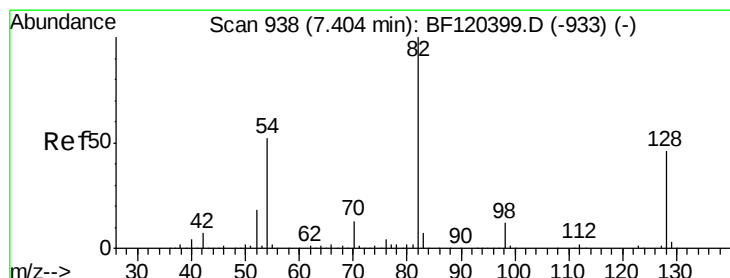
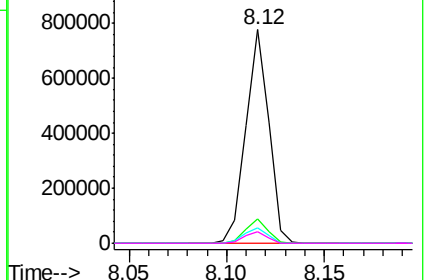
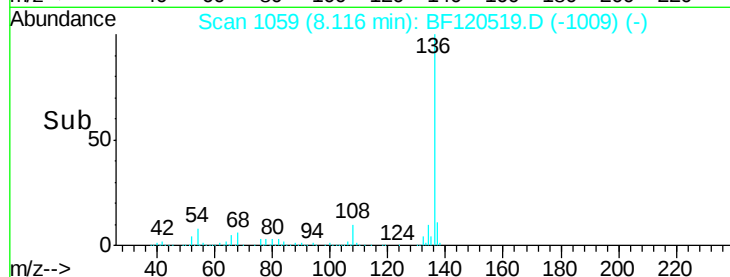


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.168 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

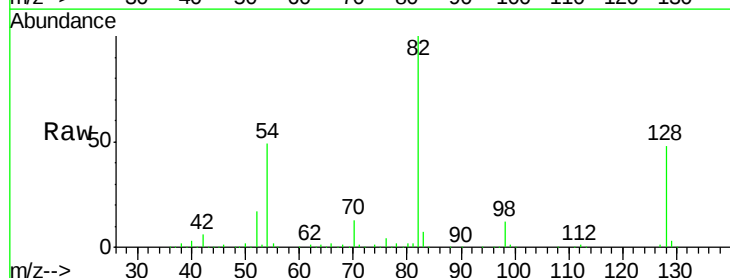
Tgt Ion: 82 Resp: 718014

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.0

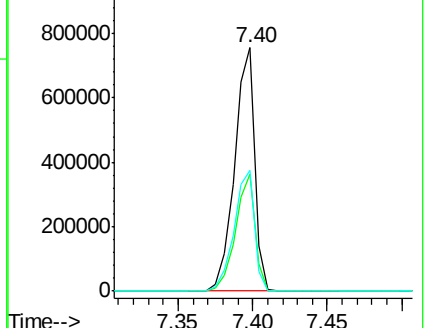
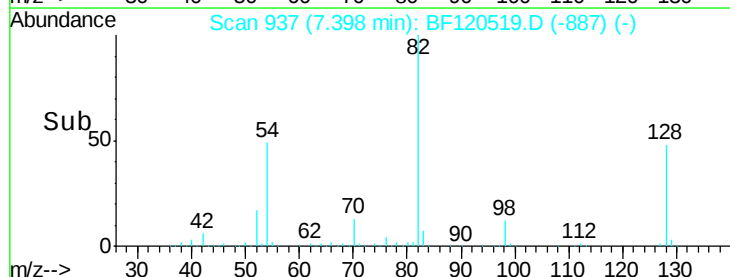
54 49.4 40.7 61.1



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: 36.746 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

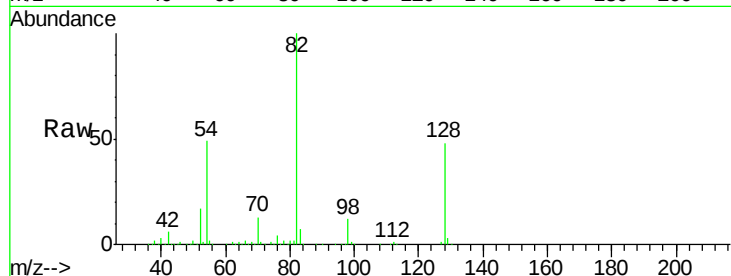
Tot Ion: 82 Resp: 714991

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

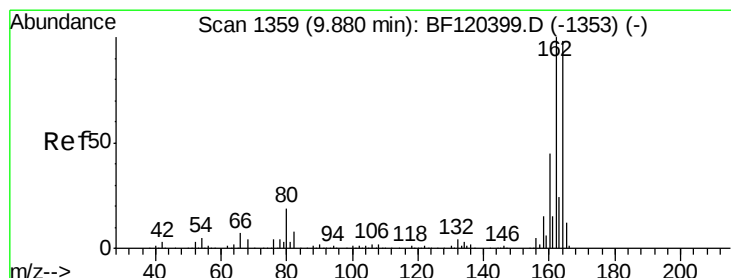
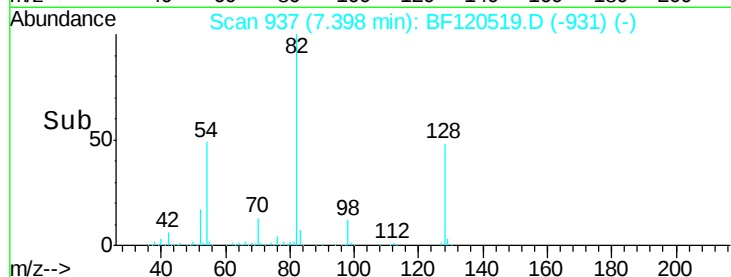
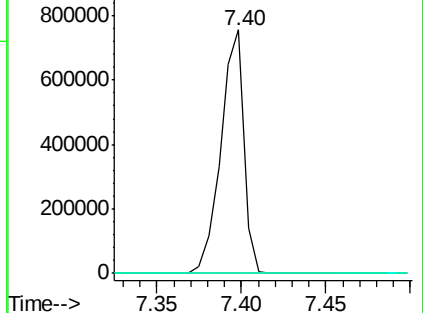
138 0.0 15.0 22.6#



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: BF120519.D

Acq: 3 Jun 2020 19:42

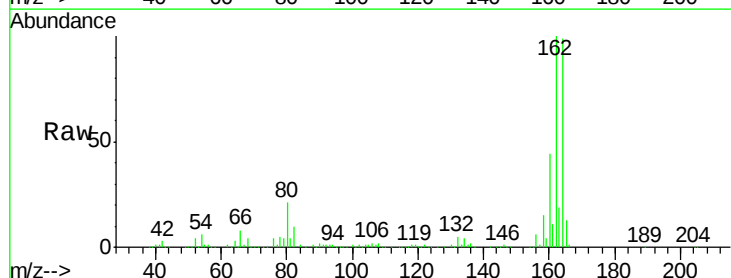
Tgt Ion: 164 Resp: 289975

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.6

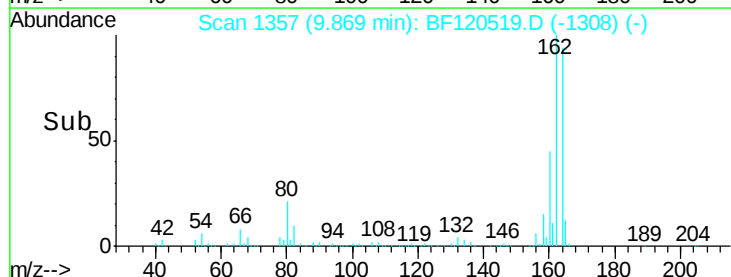
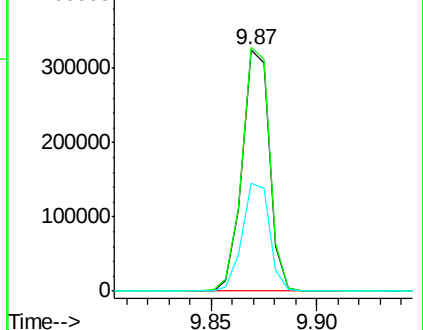
160 44.8 37.3 55.9



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

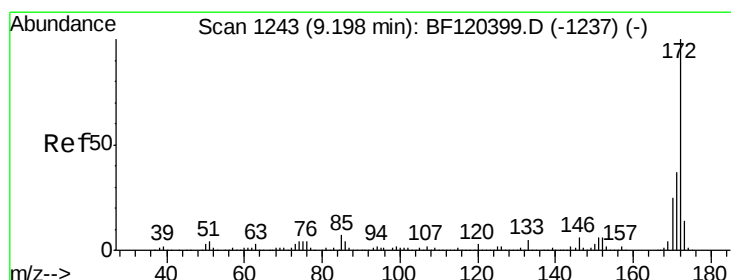
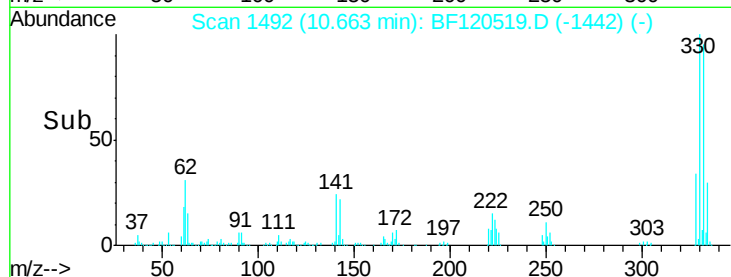
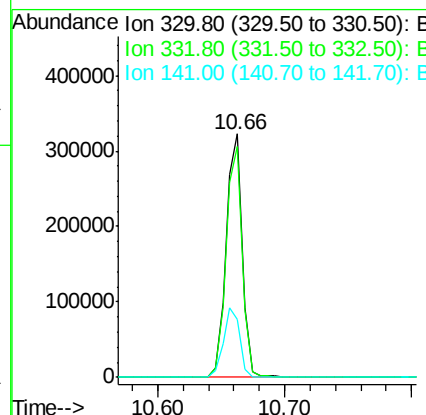
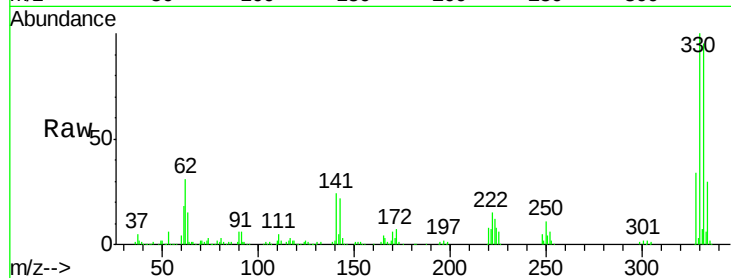




#42
 2,4,6-Tribromophenol
 Concen: 107.052 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120519.D
 Acq: 3 Jun 2020 19:42

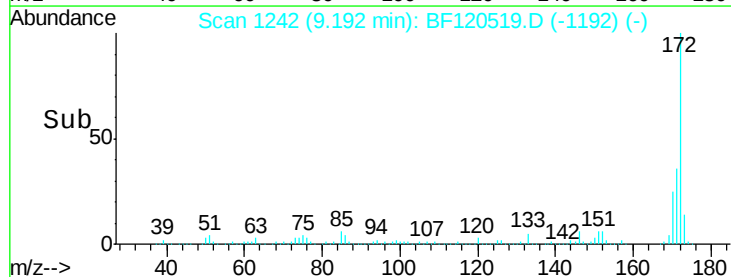
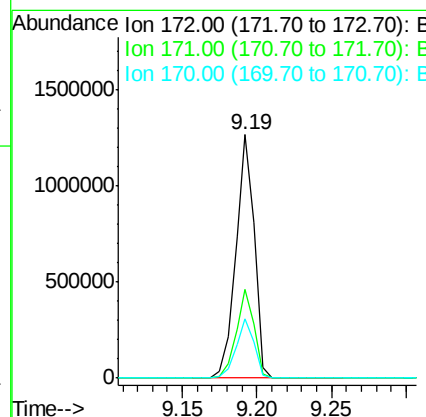
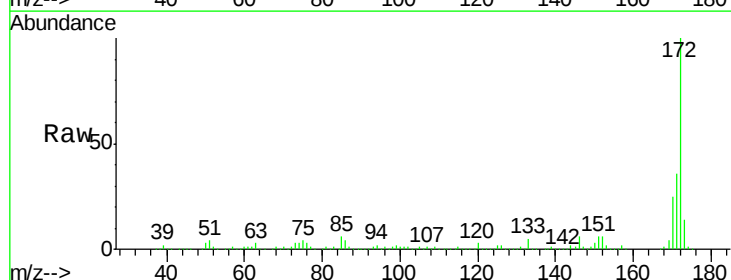
Instrument :
 BNA_F
 ClientSampleId :
 NM108-2-COMP-2020-0-6

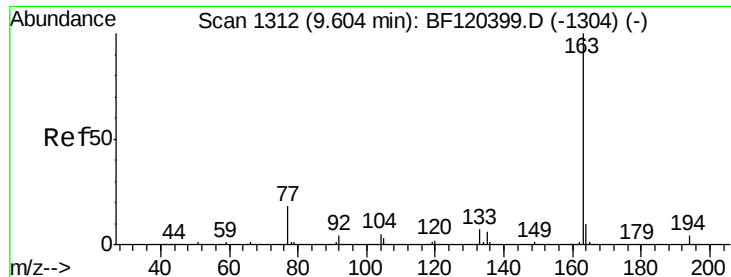
Tot Ion:330 Resp: 287622
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 29.5 23.5 35.3



#45
 2-Fluorobiphenyl
 Concen: 64.896 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120519.D
 Acq: 3 Jun 2020 19:42

Tgt Ion:172 Resp: 1109110
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 24.5 20.1 30.1

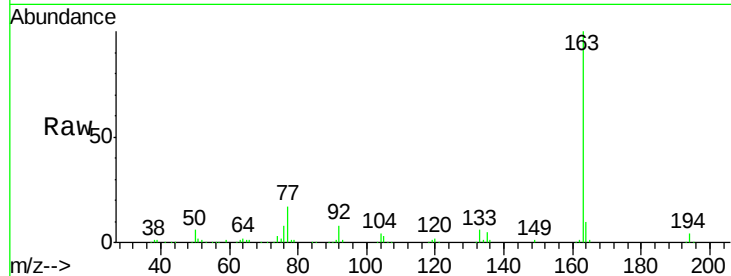




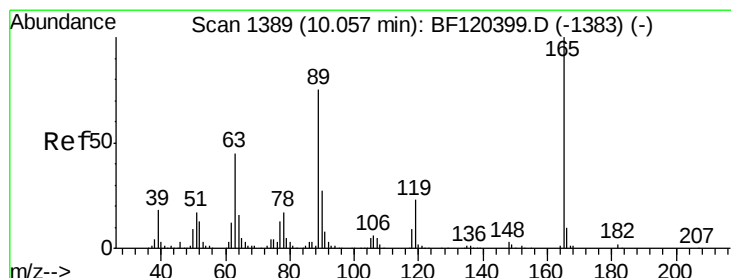
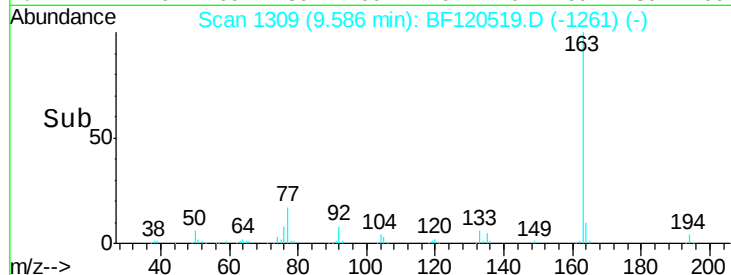
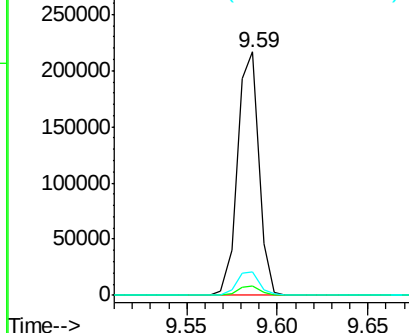
#50
Dimethylphthalate
Concen: 9.841 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		178411		
194	3.9			3.1	4.7
164	9.6			8.2	12.4

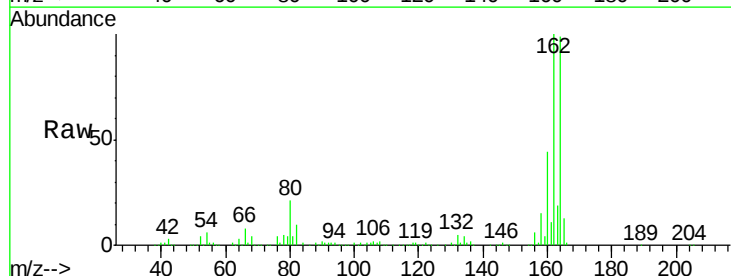


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

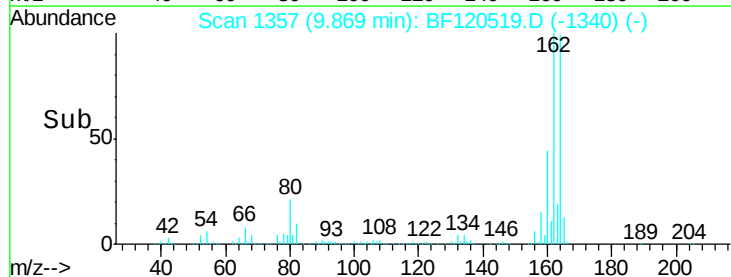
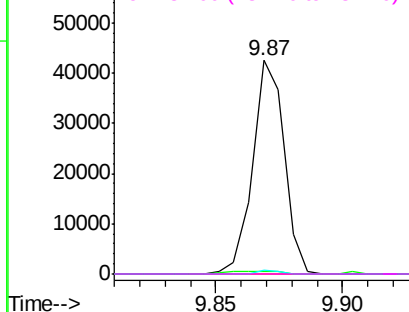


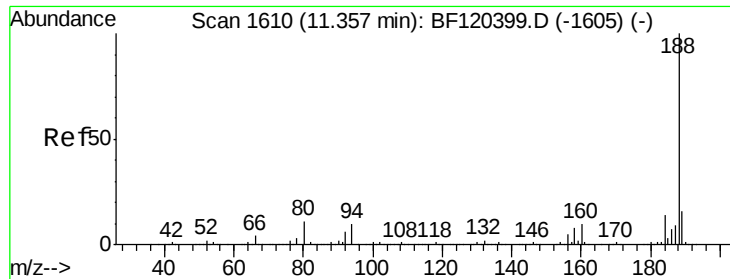
#57
2,4-Dinitrotoluene
Concen: 7.160 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100		36916		
63	1.3			33.4	50.0#
89	1.6			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

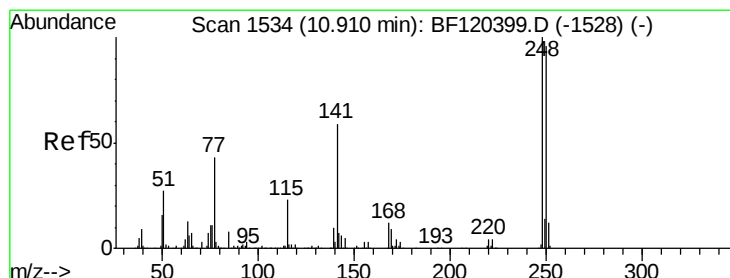
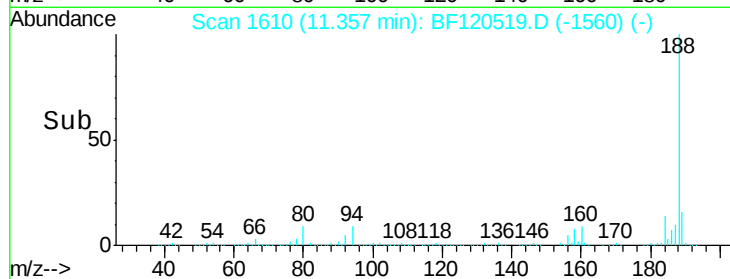
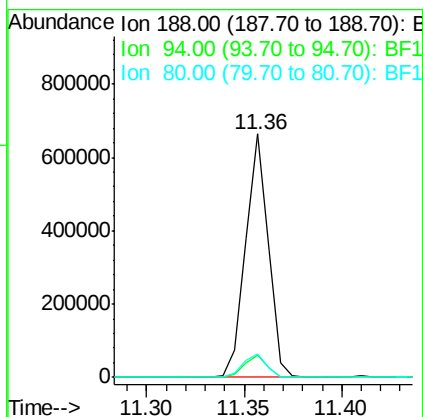
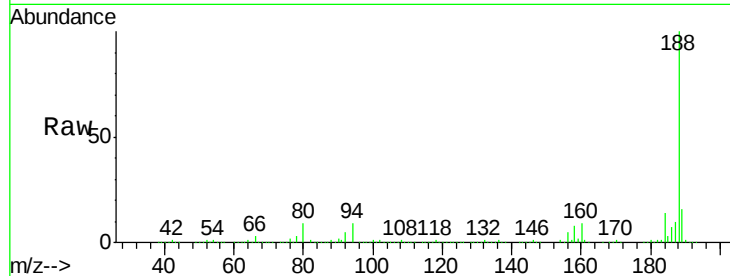




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

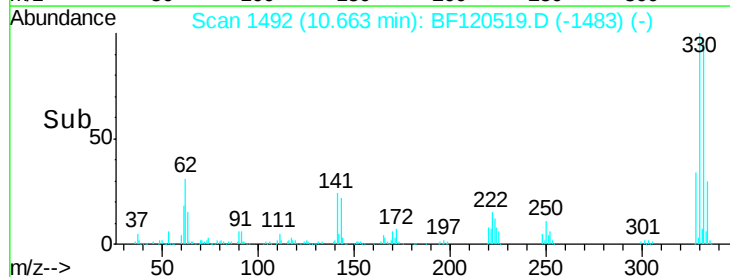
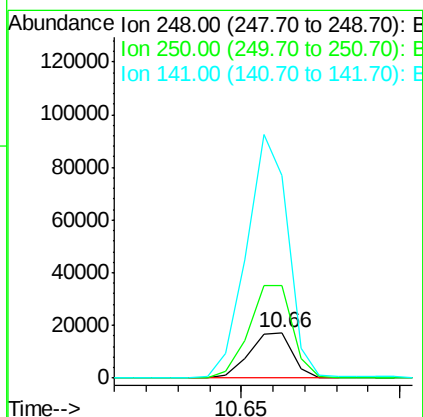
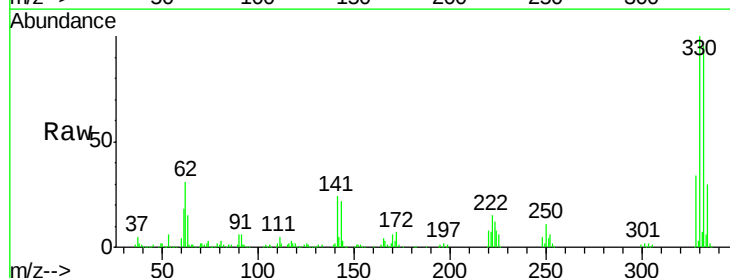
Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

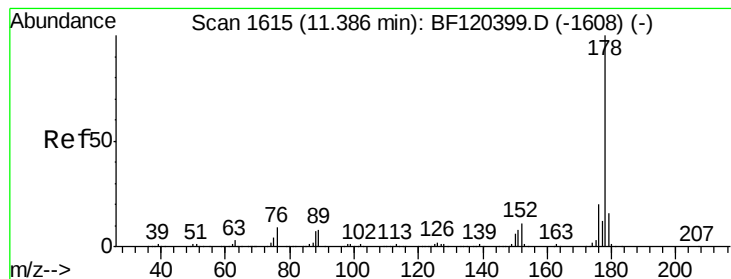
Tot Ion:188 Resp: 536050
Ion Ratio Lower Upper
188 100
94 9.0 7.5 11.3
80 9.5 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.047 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion:248 Resp: 16487
Ion Ratio Lower Upper
248 100
250 201.8 78.0 117.0#
141 441.6 50.3 75.5#





#71

Phenanthrene

Concen: 2.462 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

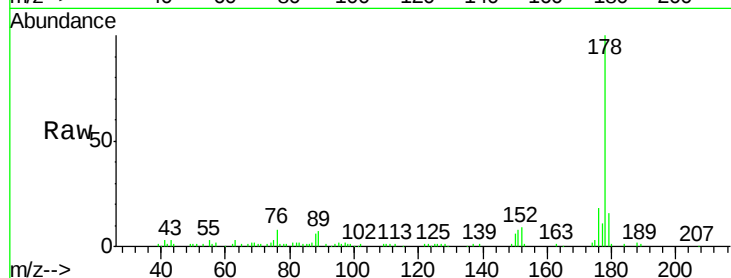
Tot Ion:178 Resp: 58164

Ion Ratio Lower Upper

178 100

176 18.2 16.6 24.8

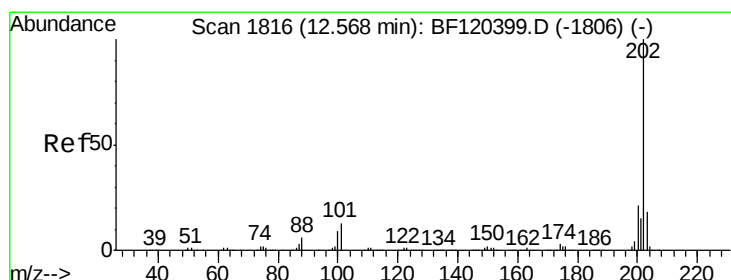
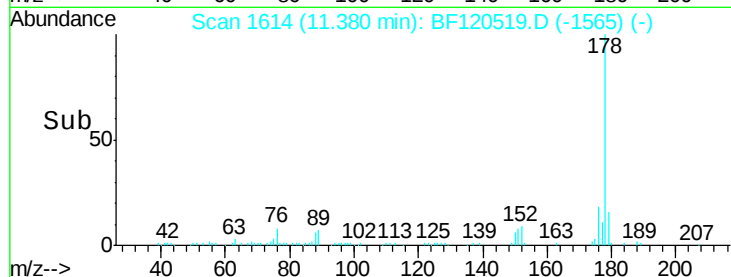
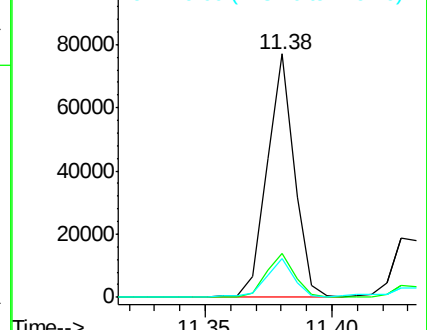
179 15.9 13.0 19.4



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: 5.873 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

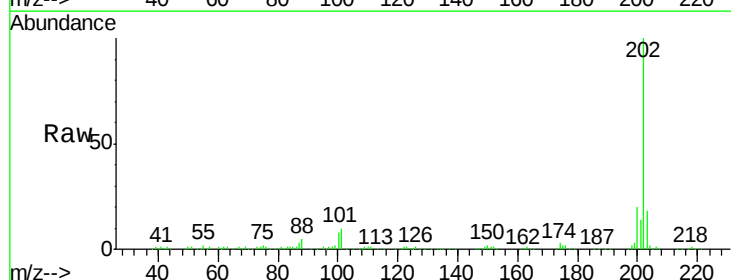
Tgt Ion:202 Resp: 149273

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.4

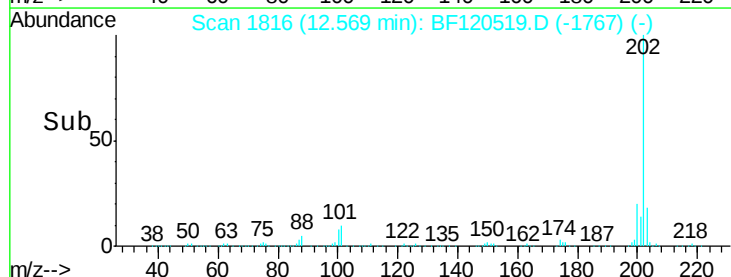
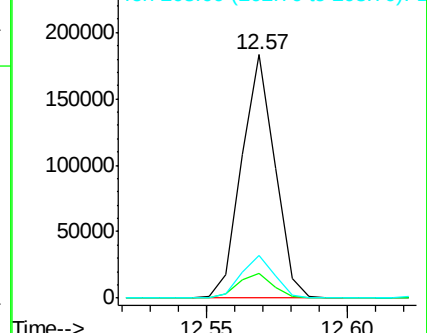
203 17.6 0.0 38.2

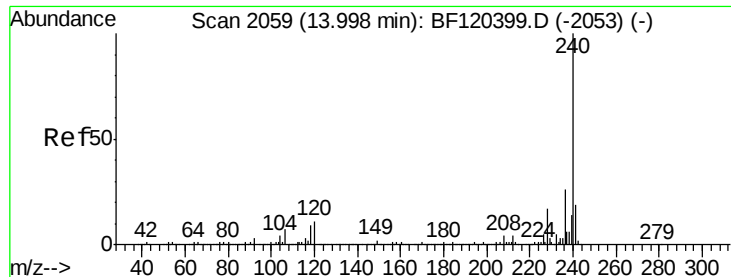


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

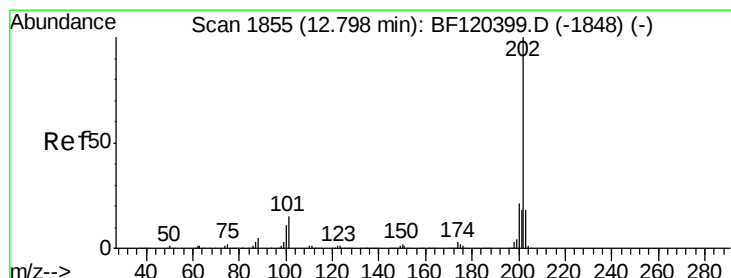
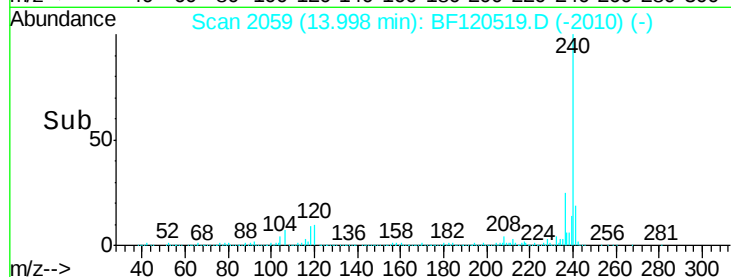
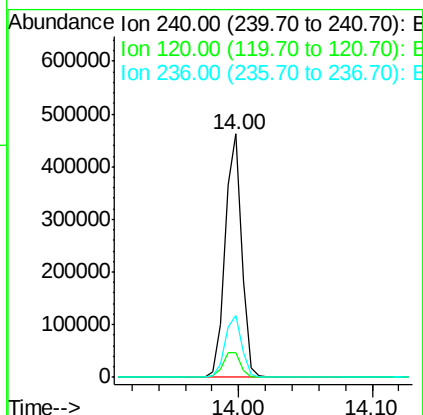
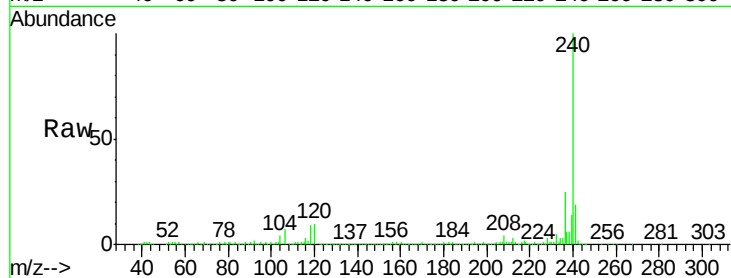




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

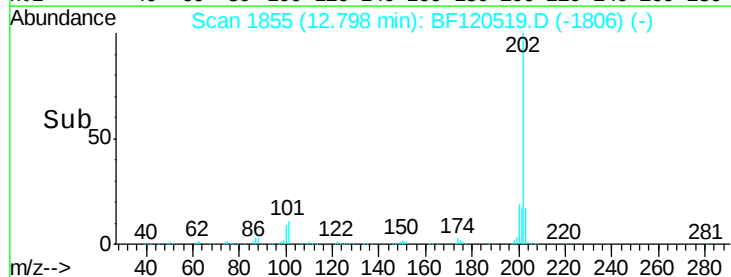
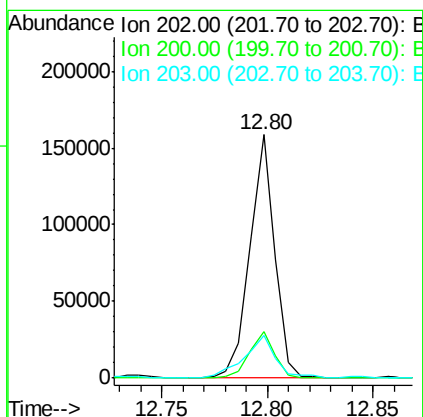
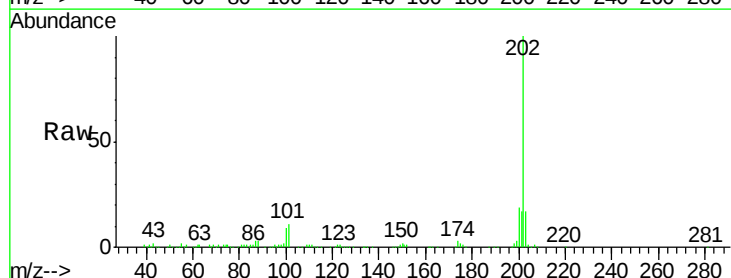
Instrument :
BNA_F
ClientSampleId :
NM108-2-COMP-2020-0-6

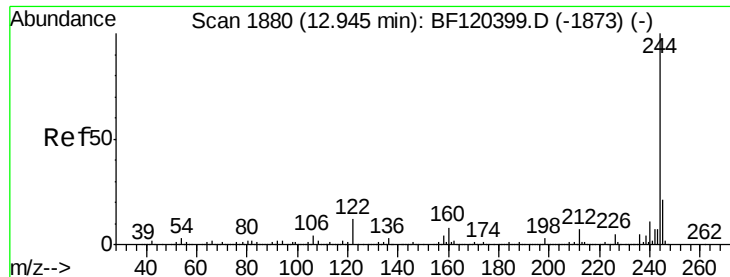
Tot Ion:240 Resp: 404276
Ion Ratio Lower Upper
240 100
120 10.2 7.9 11.9
236 25.4 21.1 31.7



#78
Pyrene
Concen: 4.646 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120519.D
Acq: 3 Jun 2020 19:42

Tgt Ion:202 Resp: 130634
Ion Ratio Lower Upper
202 100
200 19.3 17.3 25.9
203 17.4 14.5 21.7





#79

Terphenyl-d14

Concen: 55.269 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

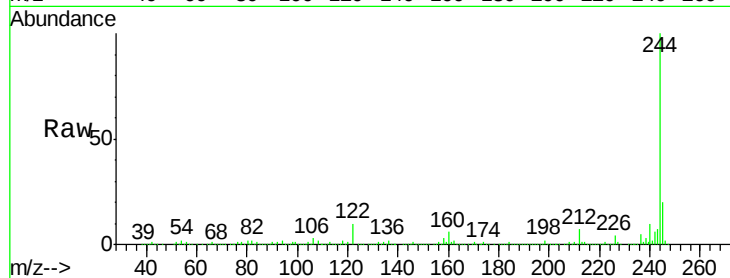
Tot Ion:244 Resp: 1004107

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.7	8.2	12.4

244 100

212 6.7 5.8 8.8

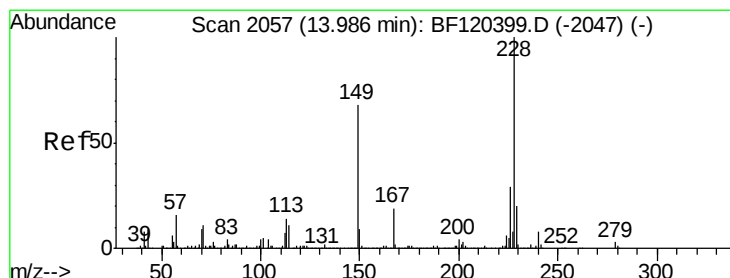
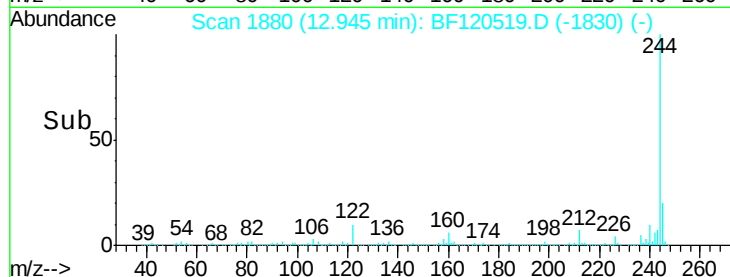
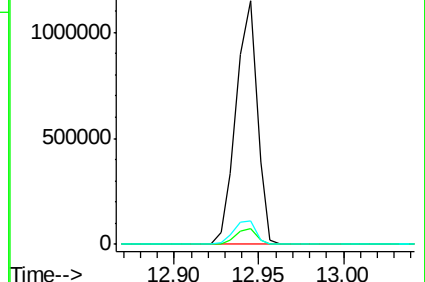
122 9.7 8.2 12.4



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: 4.512 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

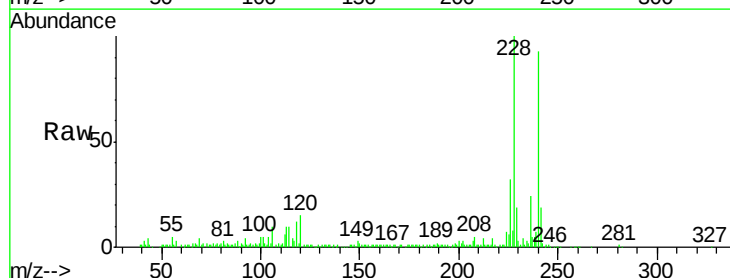
Tgt Ion:228 Resp: 97755

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.7	34.1
229	19.2	16.3	24.5

228 100

226 31.9 22.7 34.1

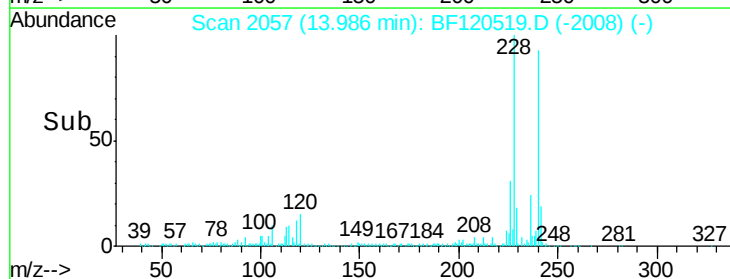
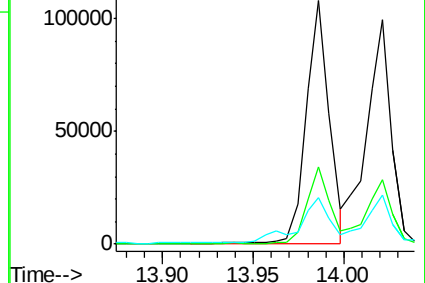
229 19.2 16.3 24.5

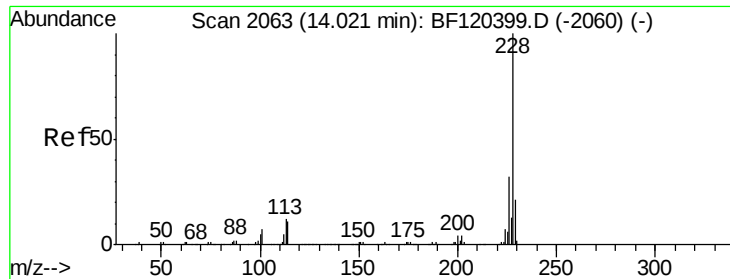


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.809 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

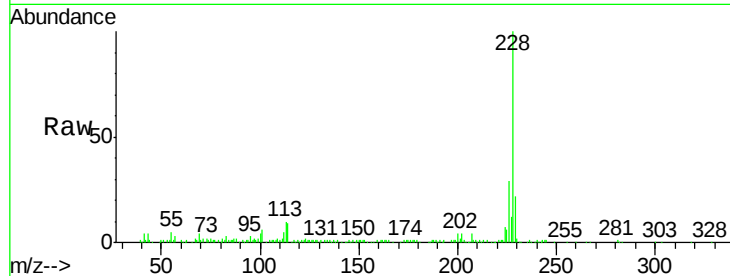
Tot Ion:228 Resp: 86517

Ion Ratio Lower Upper

228 100

226 28.7 25.2 37.8

229 22.0 16.1 24.1

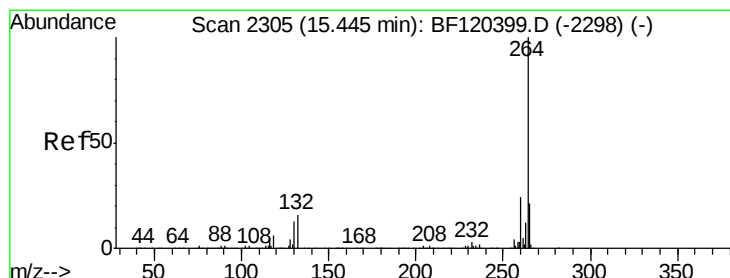
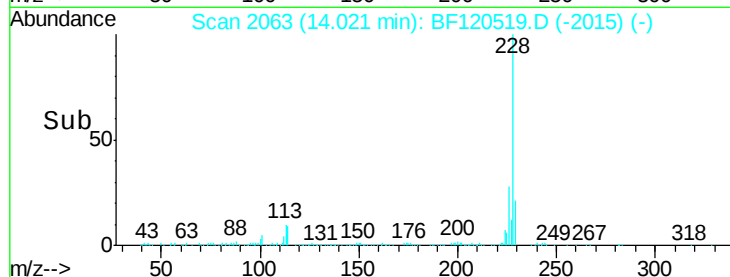
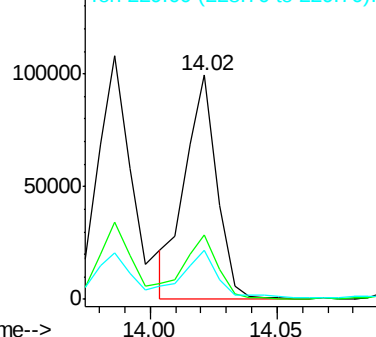


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

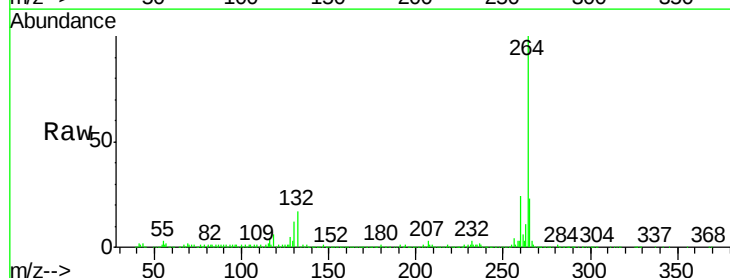
Tgt Ion:264 Resp: 353491

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.8

265 23.0 17.5 26.3

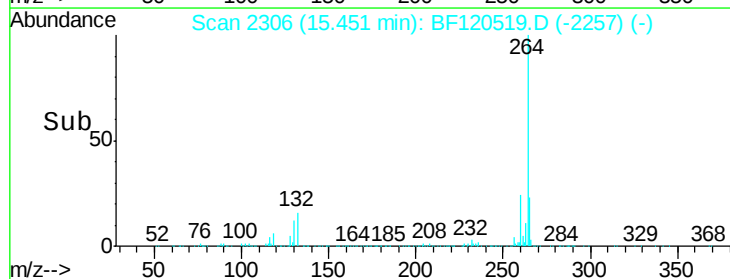
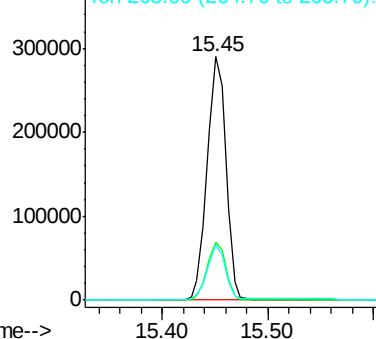


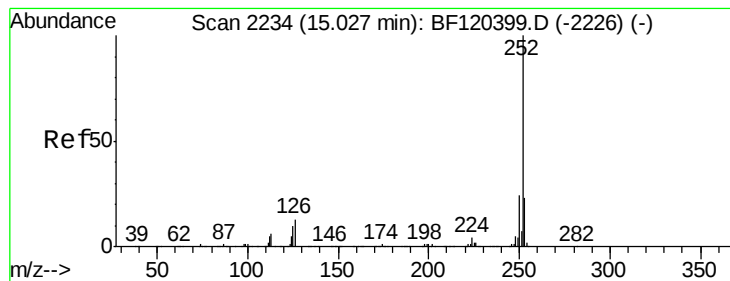
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 7.656 ng

RT: 15.03 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

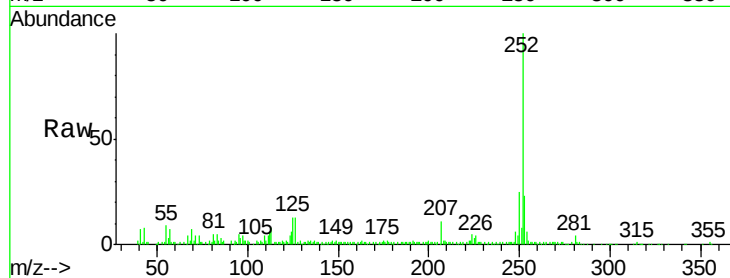
Tot Ion:252 Resp: 150321

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

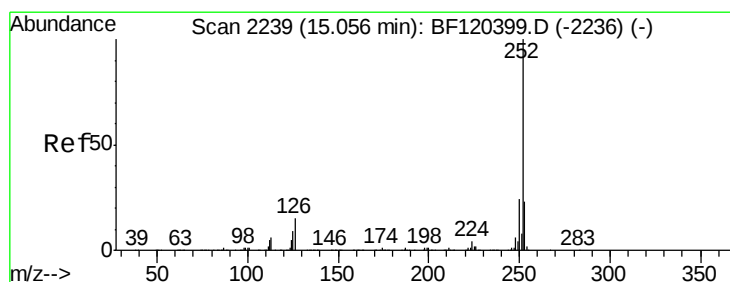
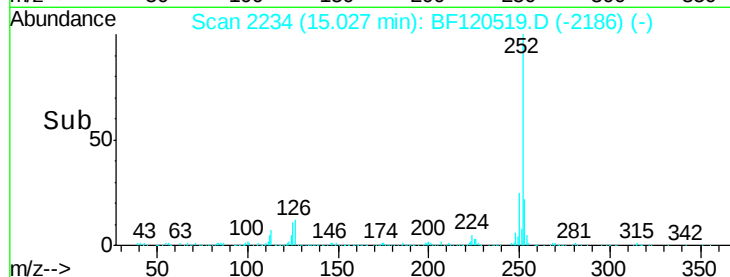
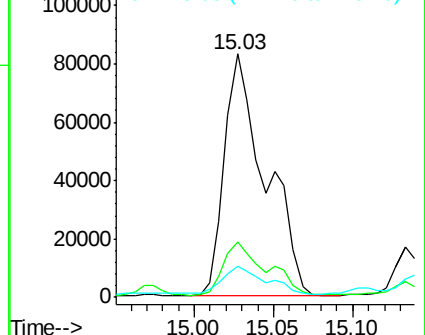
125 12.5 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 8.201 ng

RT: 15.03 min Scan# 2234

Delta R.T. -0.05 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

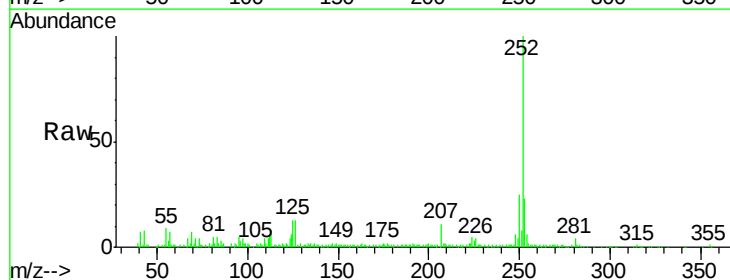
Tgt Ion:252 Resp: 150321

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

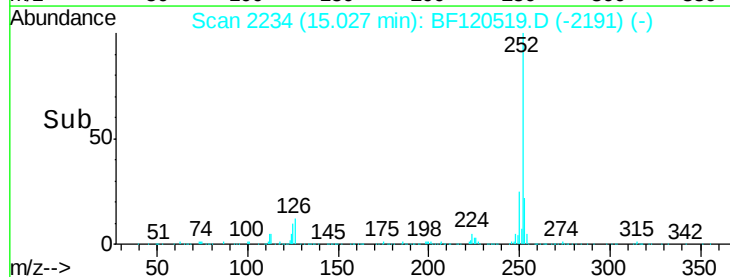
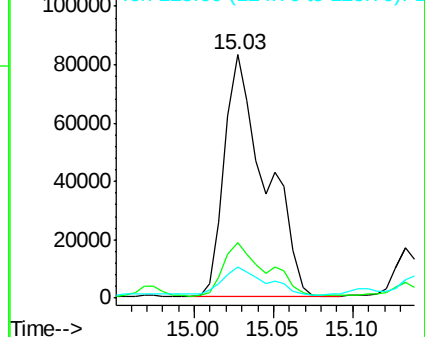
125 12.5 7.5 11.3#

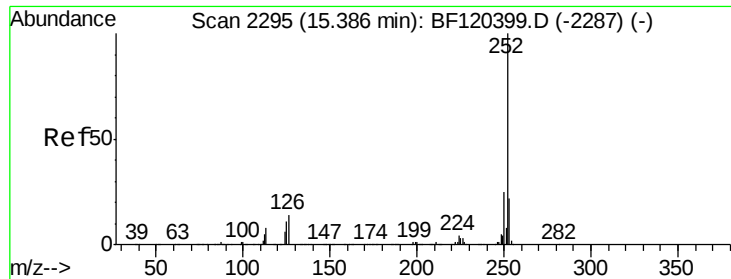


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.263 ng

RT: 15.39 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

Instrument :

BNA_F

ClientSampleId :

NM108-2-COMP-2020-0-6

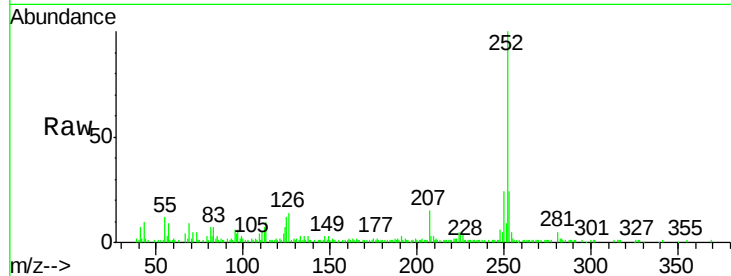
Tot Ion:252 Resp: 73211

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

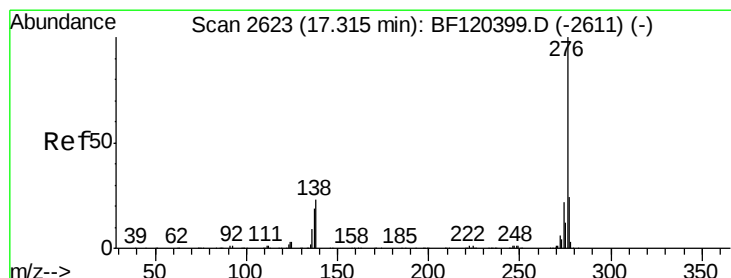
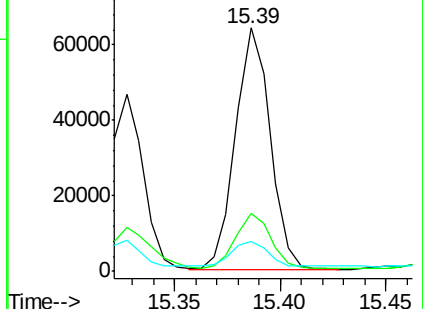
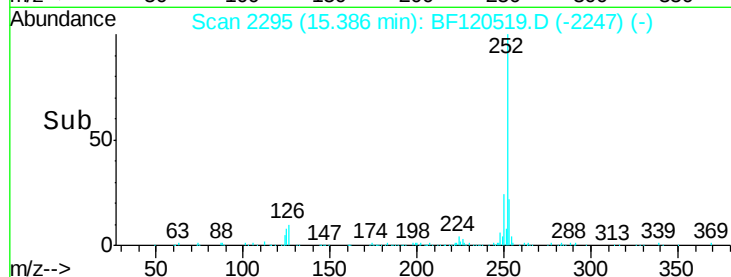
125 12.5 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.132 ng

RT: 17.33 min Scan# 2626

Delta R.T. -0.03 min

Lab File: BF120519.D

Acq: 3 Jun 2020 19:42

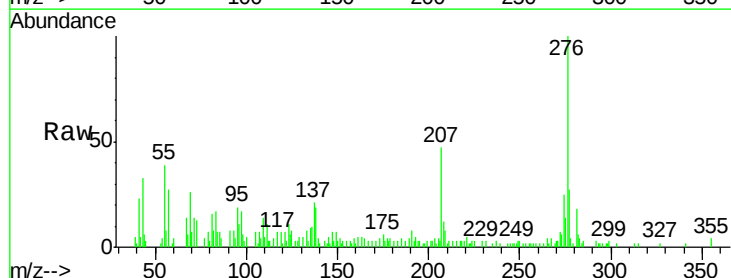
Tgt Ion:276 Resp: 33142

Ion Ratio Lower Upper

276 100

277 26.6 19.4 29.2

138 19.1 16.6 25.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

