

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120420.D
 Acq On : 28 May 2020 20:57
 Operator : MA/SJ
 Sample : L2745-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM22-COMP-2020-0-6

Quant Time: May 29 03:29:16 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	297083	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1035041	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	456633	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	697459	20.00	ng	0.00
76) Chrysene-d12	13.99	240	536822	20.00	ng	0.00
86) Perylene-d12	15.45	264	494032	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1706814	109.49	ng	0.01
7) Phenol-d6	6.47	99	2208292	114.93	ng	0.00
23) Nitrobenzene-d5	7.40	82	1395870	88.22	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	479583	113.35	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2309761	85.82	ng	0.00
79) Terphenyl-d14	12.94	244	1943593	80.57	ng	0.00

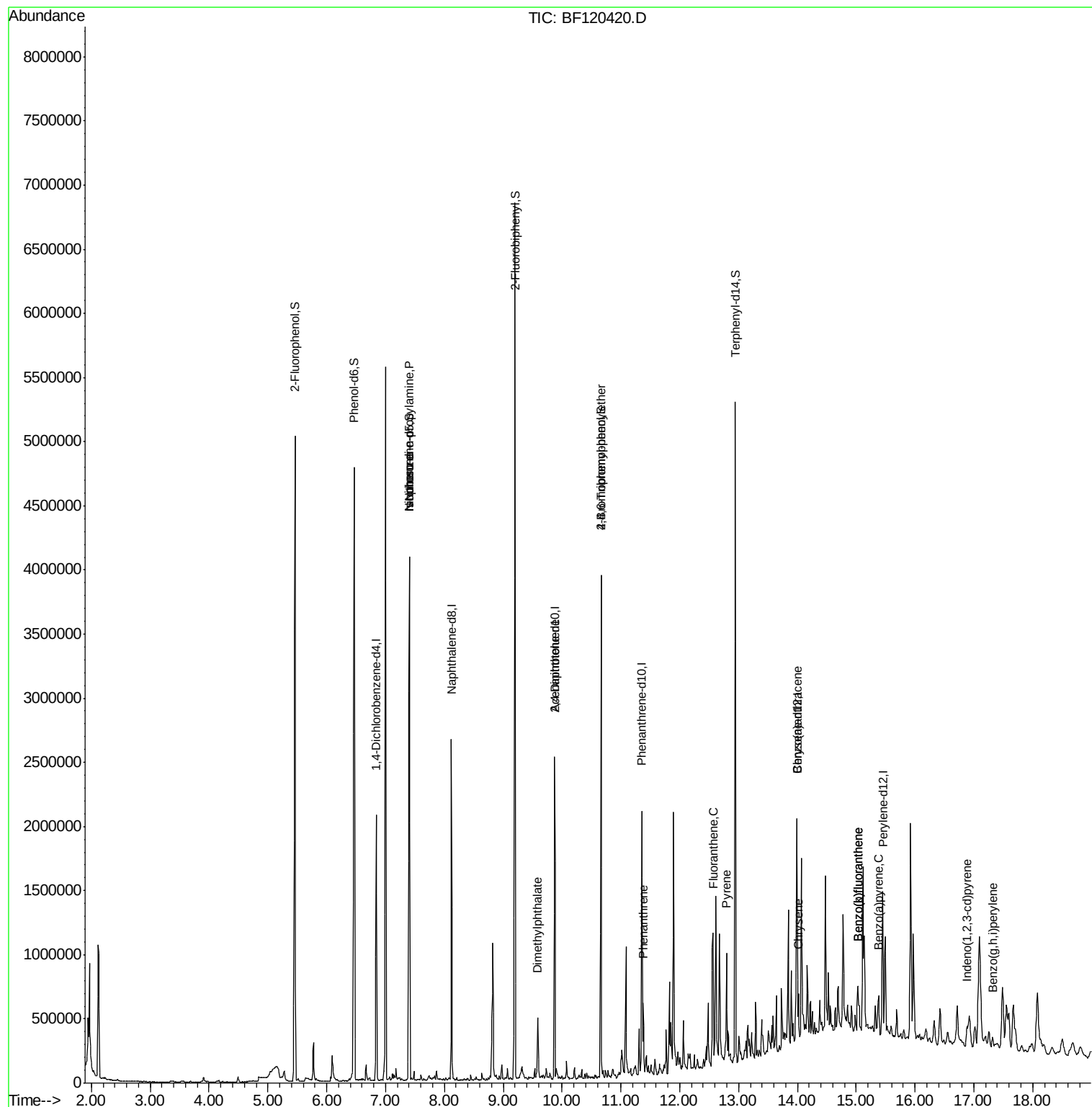
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	190329	15.583	ng	# 77
25) Isophorone	7.40	82	1391733	43.762	ng	# 64
50) Dimethylphthalate	9.59	163	175004	6.130	ng	98
57) 2,4-Dinitrotoluene	9.87	165	60190	7.413	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	29121	4.136	ng	# 1
71) Phenanthrene	11.38	178	179011	5.825	ng	98
75) Fluoranthene	12.57	202	349017	10.554	ng	98
78) Pyrene	12.80	202	322354	8.635	ng	98
81) Benzo(a)anthracene	13.99	228	170498	5.926	ng	95
83) Chrysene	14.02	228	165219	5.478	ng	97
87) Indeno(1,2,3-cd)pyrene	16.88	276	86078	3.186	ng	95
88) Benzo(b)fluoranthene	15.03	252	279258	10.177	ng	# 97
89) Benzo(k)fluoranthene	15.03	252	279258	10.901	ng	# 97
90) Benzo(a)pyrene	15.39	252	140609	5.858	ng	98
92) Benzo(a,h,i)perylene	17.32	276	81358	3.744	ng	99

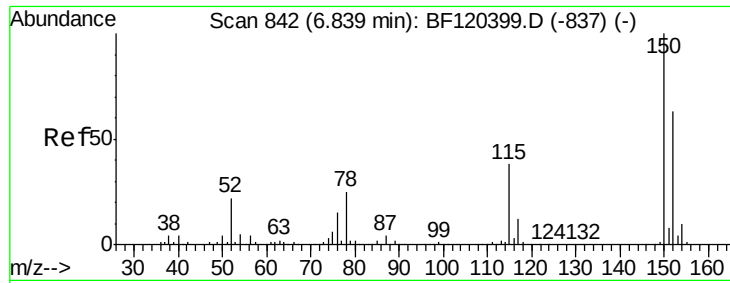
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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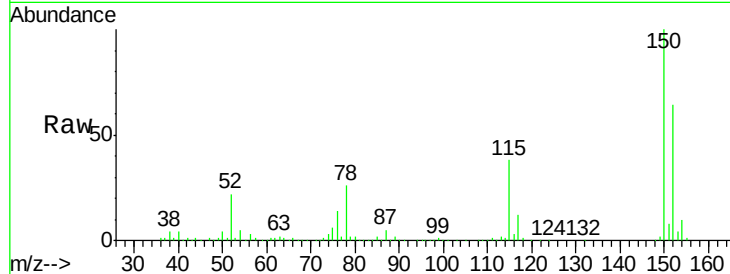


#1

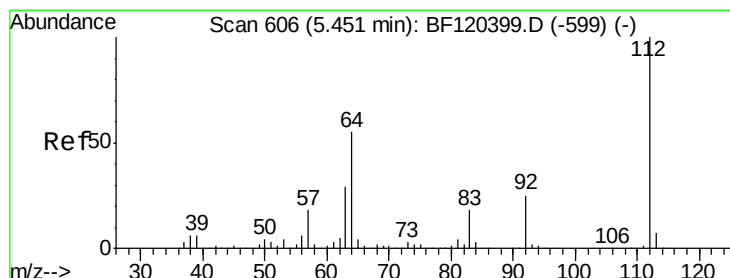
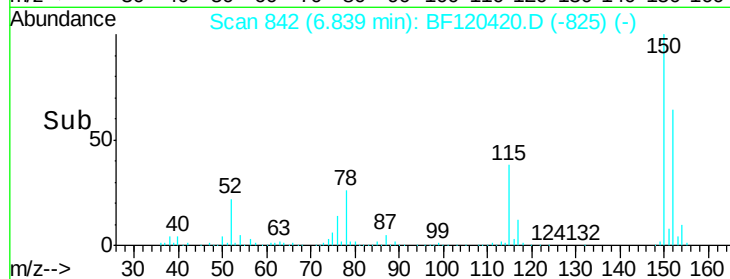
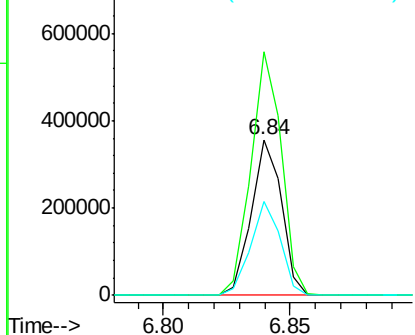
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Instrument :
BNA_F
ClientSampleId :
NM22-COMP-2020-0-6

Tot Ion:152 Resp: 297083
Ion Ratio Lower Upper
152 100
150 156.8 126.5 189.7
115 60.1 47.6 71.4



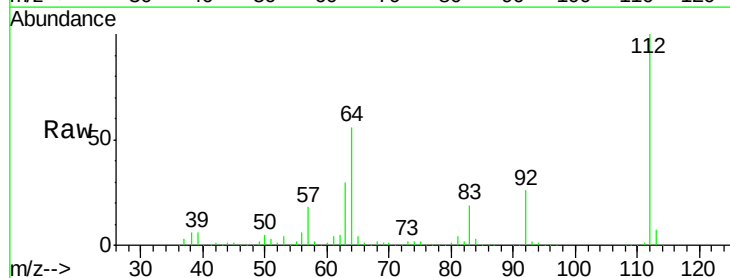
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



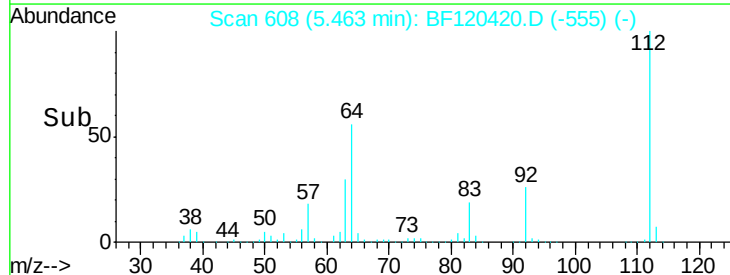
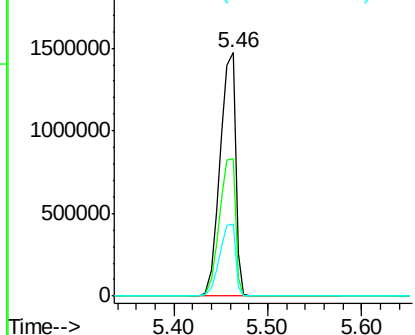
#5

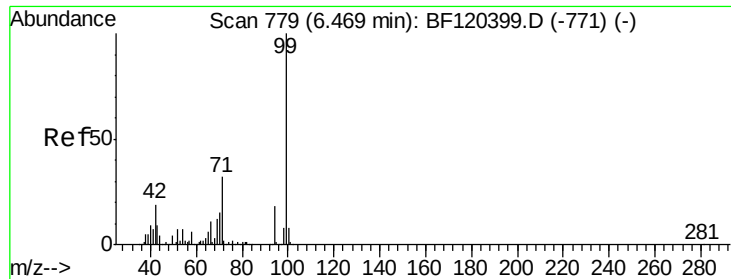
2-Fluorophenol
Concen: 109.490 ng
RT: 5.46 min Scan# 608
Delta R.T. 0.01 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Tgt Ion:112 Resp: 1706814
Ion Ratio Lower Upper
112 100
64 56.2 44.3 66.5
63 29.5 22.9 34.3



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: 114.930 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

Instrument :

BNA_F

ClientSampleId :

NM22-COMP-2020-0-6

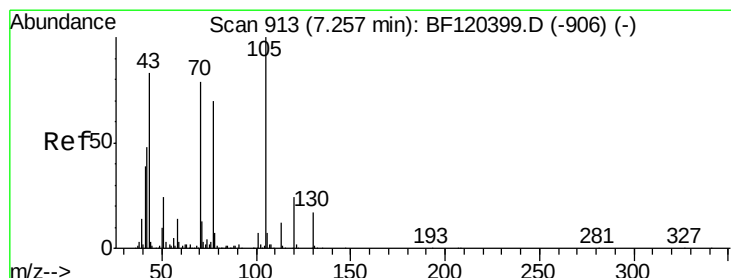
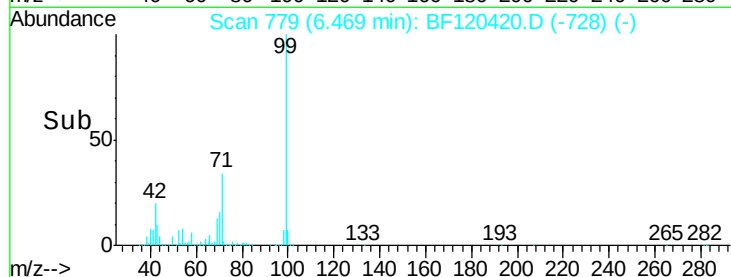
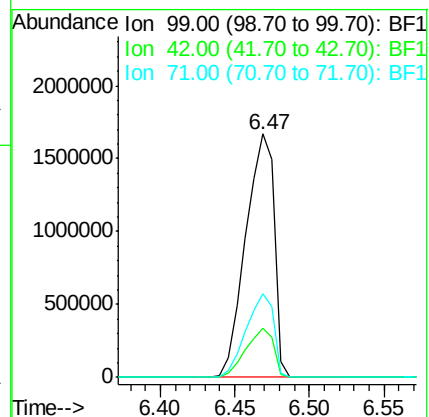
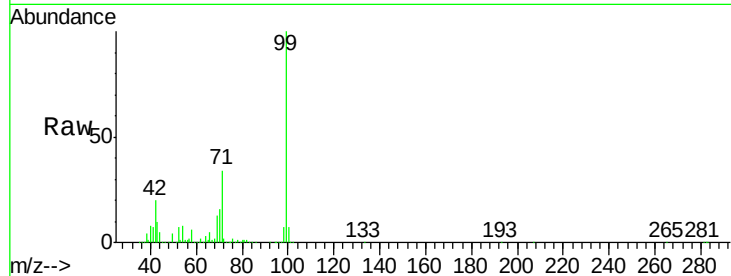
Tot Ion: 99 Resp: 2208292

Ion Ratio Lower Upper

99 100

42 20.3 15.2 22.8

71 34.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.583 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

Tgt Ion: 70 Resp: 190329

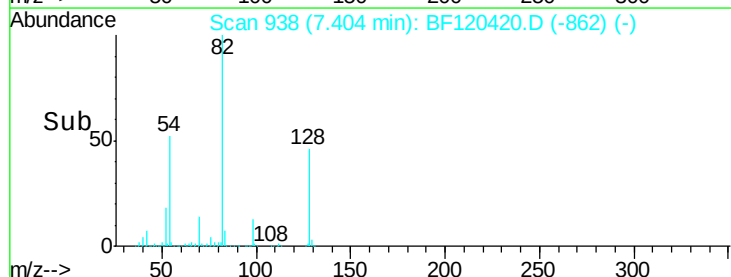
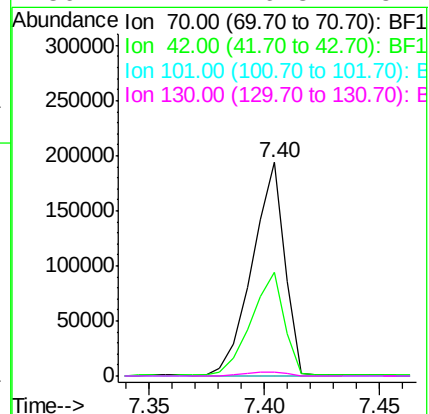
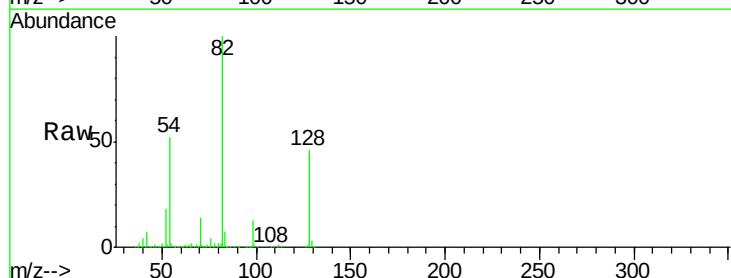
Ion Ratio Lower Upper

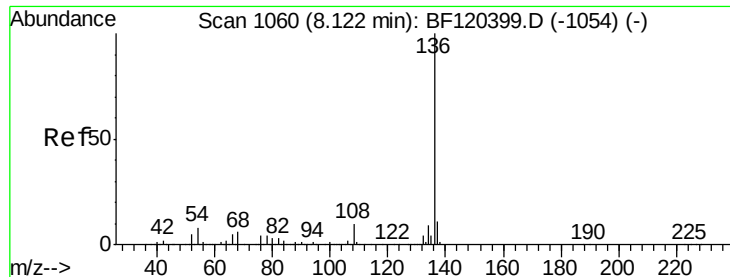
70 100

42 48.3 48.9 73.3#

101 0.0 7.4 11.2#

130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

Instrument :

BNA_F

ClientSampleId :

NM22-COMP-2020-0-6

Tot Ion:136 Resp: 1035041

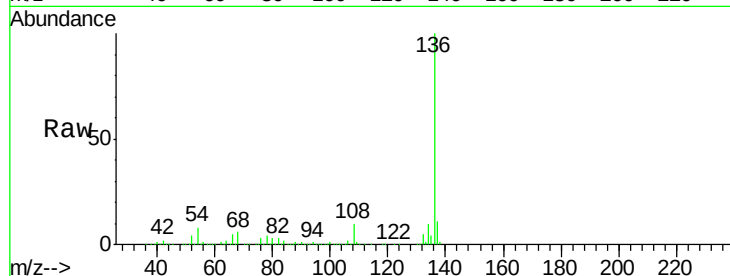
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.8 6.7 10.1

68 6.2 5.0 7.4

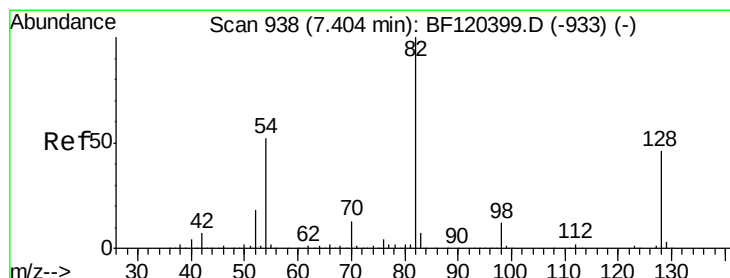
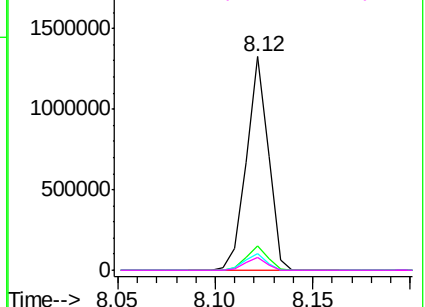
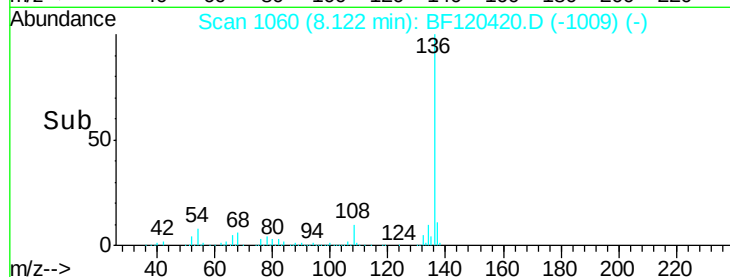


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.217 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

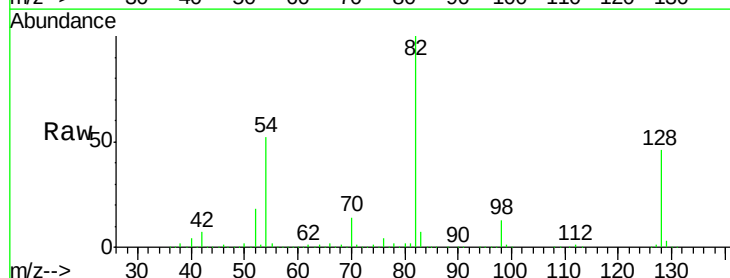
Tgt Ion: 82 Resp: 1395870

Ion Ratio Lower Upper

82 100

128 46.3 36.8 55.2

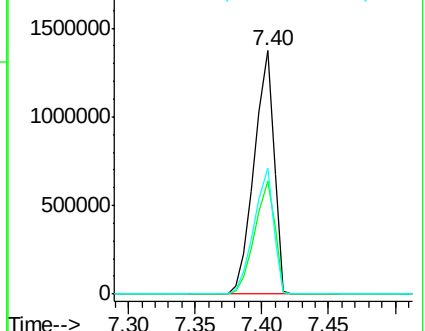
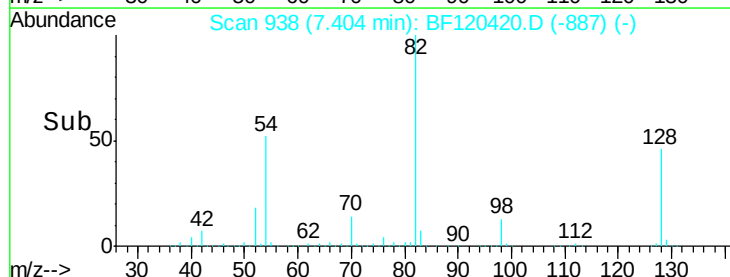
54 51.7 41.6 62.4

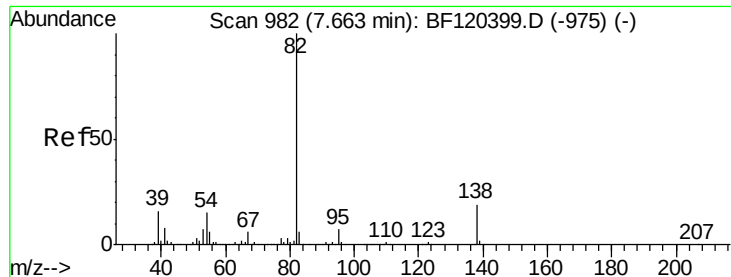


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.762 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

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NM22-COMP-2020-0-6

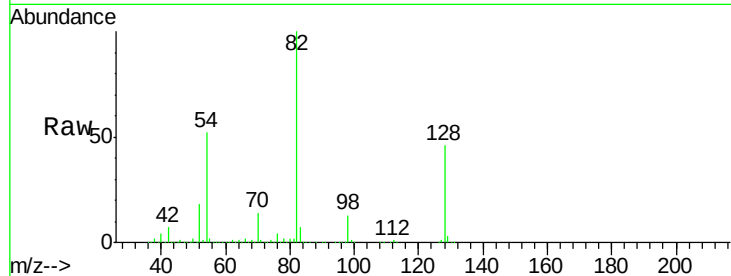
Tot Ion: 82 Resp: 1391733

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

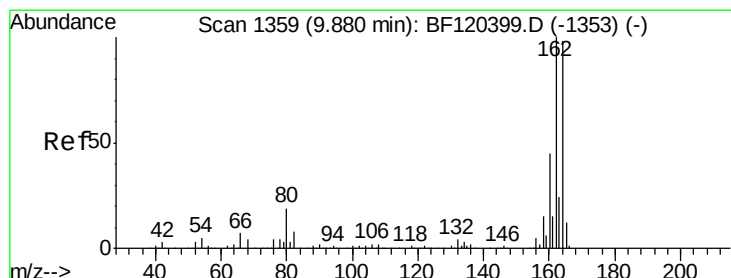
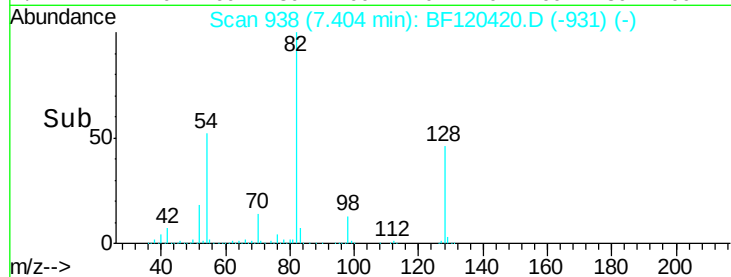
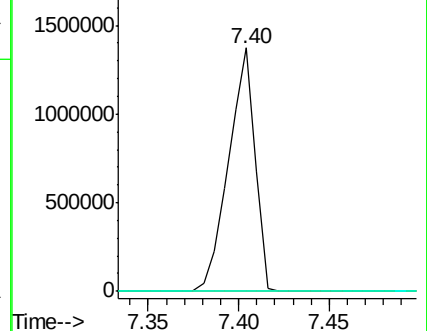
138 0.0 15.0 22.4#



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: BF120420.D

Acq: 28 May 2020 20:57

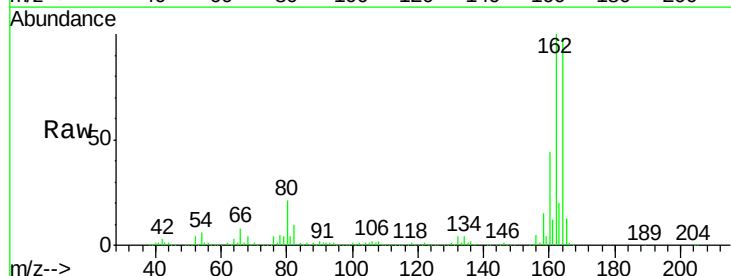
Tgt Ion: 164 Resp: 456633

Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

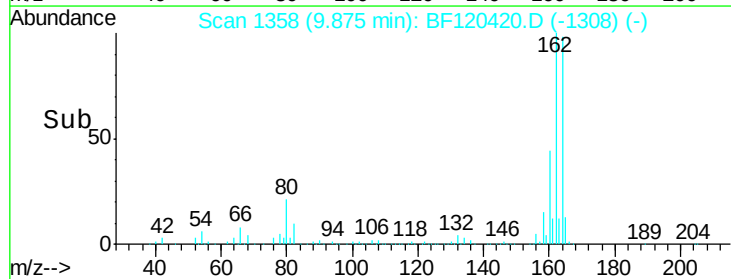
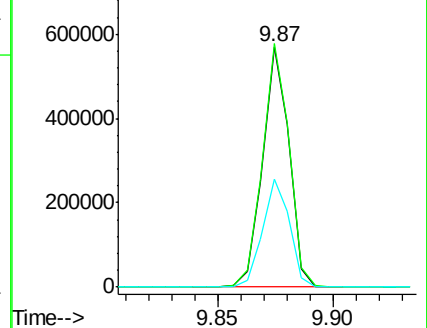
160 45.0 36.9 55.3

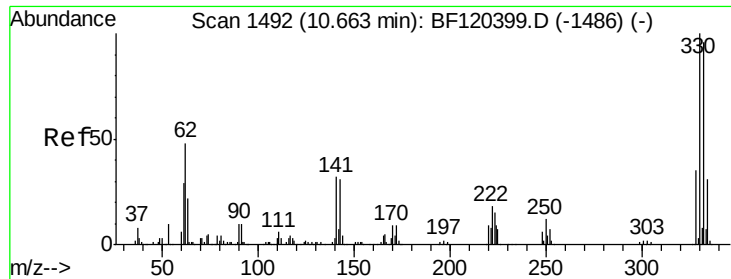


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

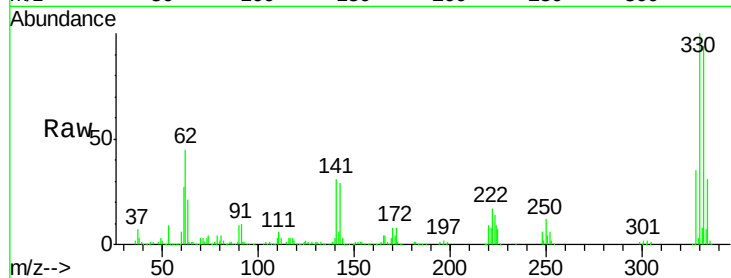




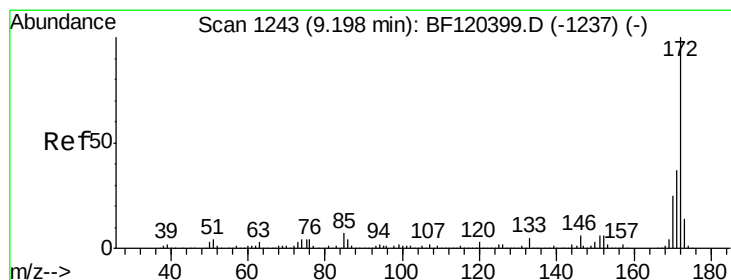
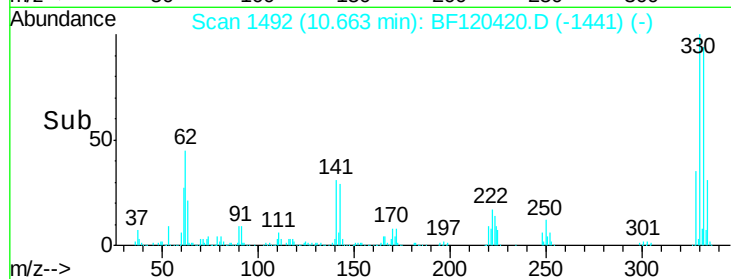
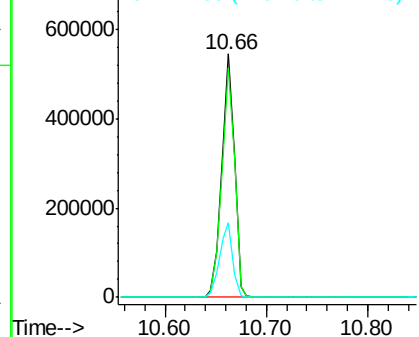
#42
 2,4,6-Tribromophenol
 Concen: 113.352 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120420.D
 Acq: 28 May 2020 20:57

Instrument :
 BNA_F
 ClientSampleId :
 NM22-COMP-2020-0-6

Tot Ion:330 Resp: 479583
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 31.2 25.3 37.9

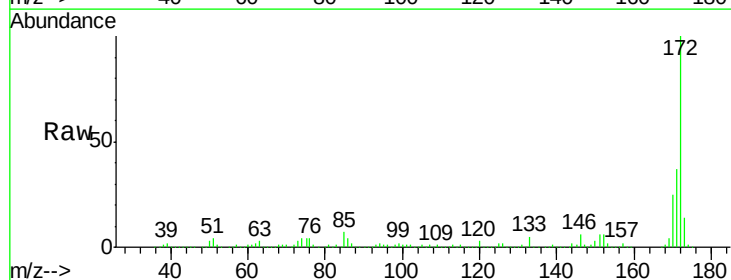


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

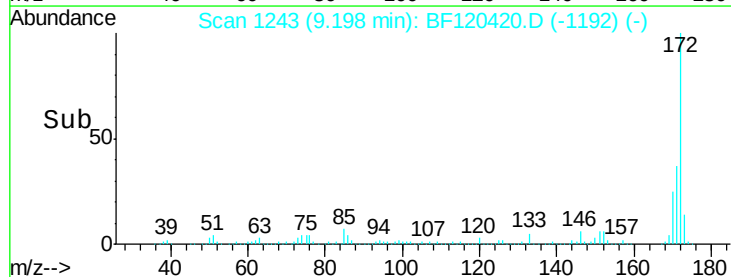
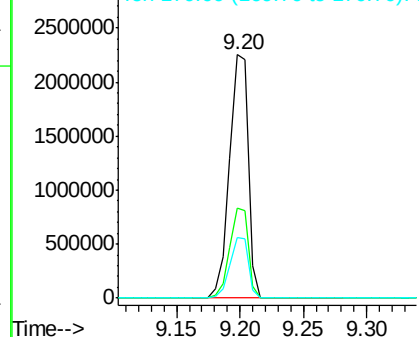


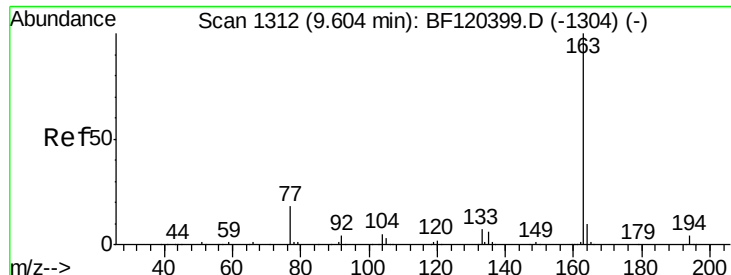
#45
 2-Fluorobiphenyl
 Concen: 85.823 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120420.D
 Acq: 28 May 2020 20:57

Tgt Ion:172 Resp: 2309761
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.8 19.9 29.9



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

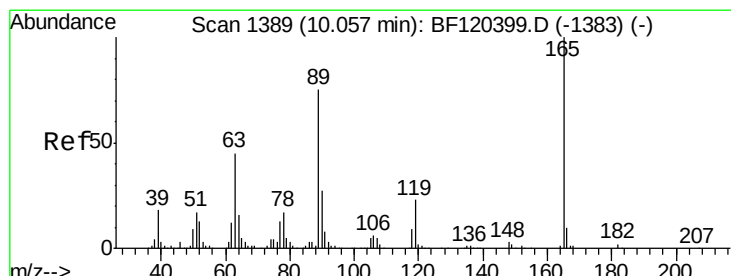
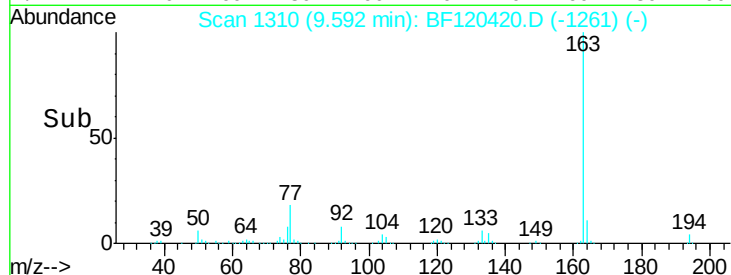
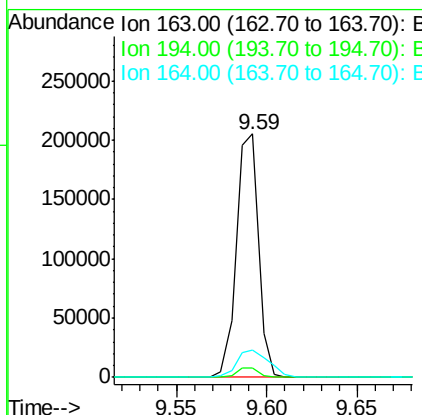
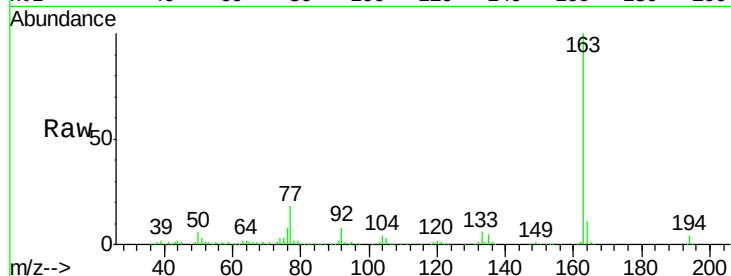




#50
Dimethylphthalate
Concen: 6.130 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

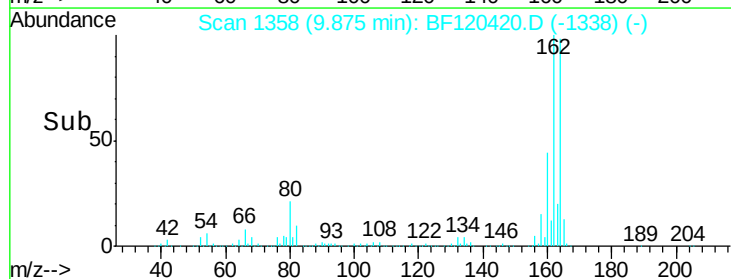
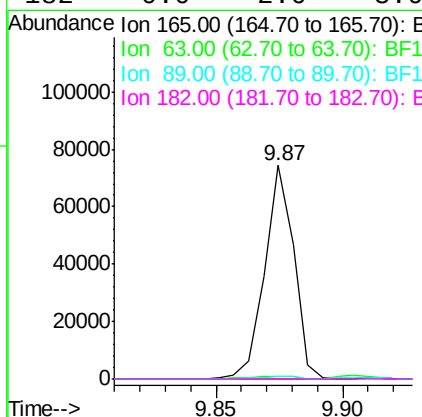
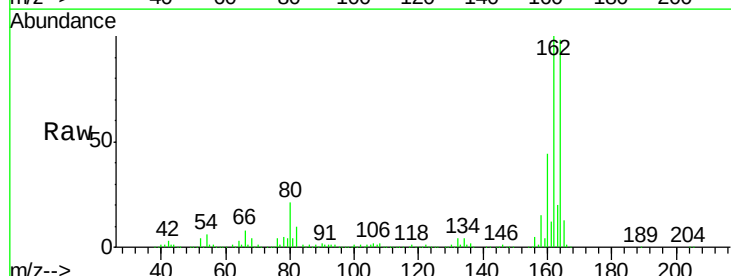
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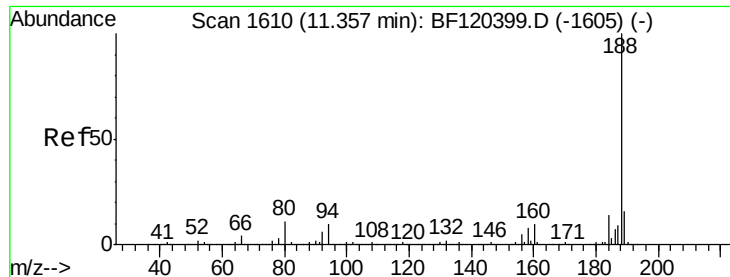
Tot Ion:163 Resp: 175004
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 11.4 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.413 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Tgt Ion:165 Resp: 60190
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#

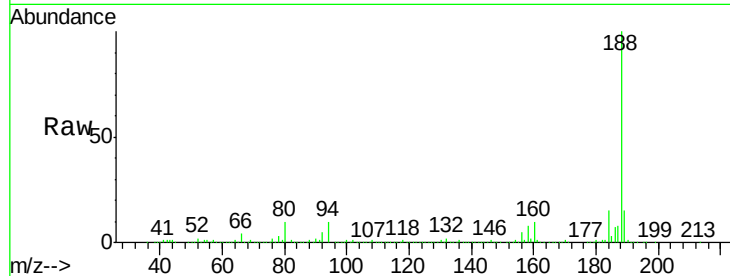




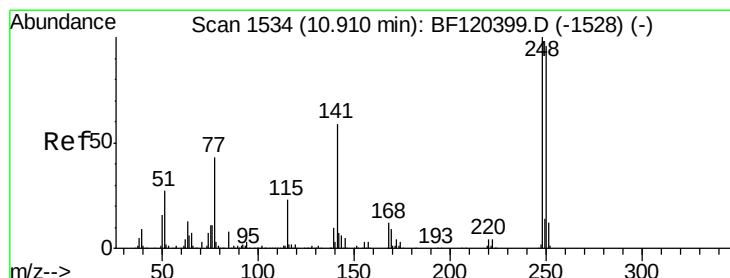
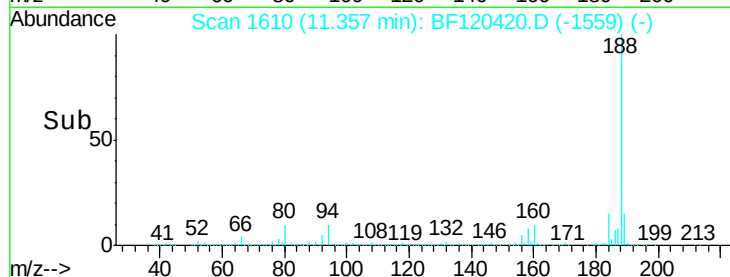
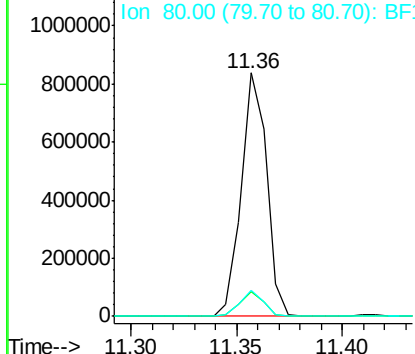
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Instrument :
BNA_F
ClientSampleId :
NM22-COMP-2020-0-6

Tot Ion:188 Resp: 697459
Ion Ratio Lower Upper
188 100
94 10.1 7.9 11.9
80 10.5 8.6 13.0

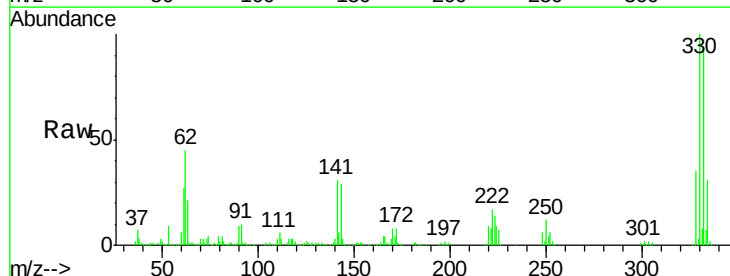


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

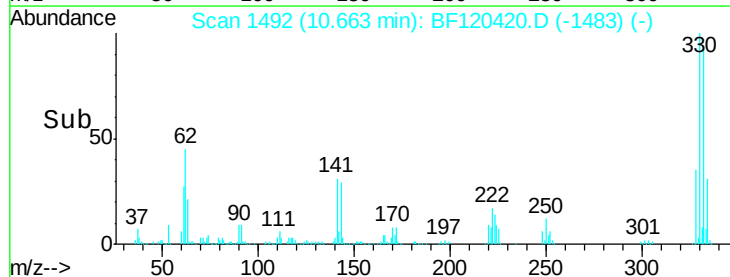
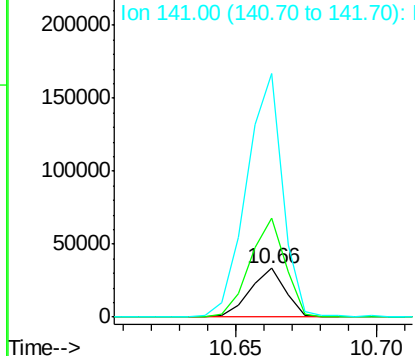


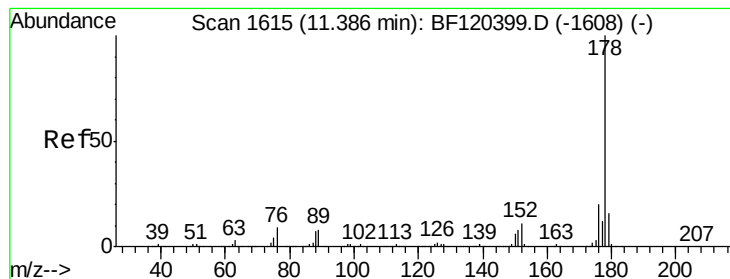
#67
4-Bromophenyl-phenylether
Concen: 4.136 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Tgt Ion:248 Resp: 29121
Ion Ratio Lower Upper
248 100
250 203.2 76.5 114.7#
141 502.5 47.2 70.8#



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: 5.825 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

Instrument :

BNA_F

ClientSampleId :

NM22-COMP-2020-0-6

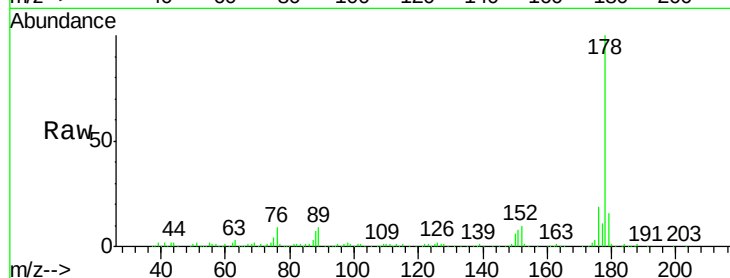
Tot Ion:178 Resp: 179011

Ion Ratio Lower Upper

178 100

176 18.9 16.4 24.6

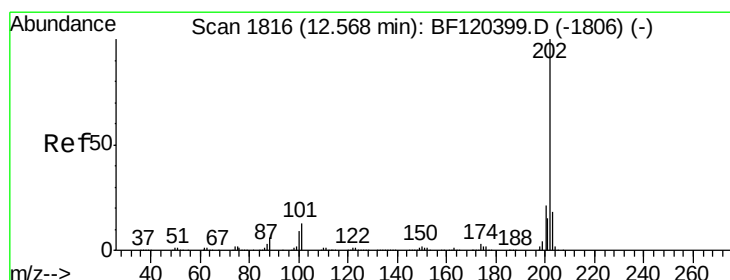
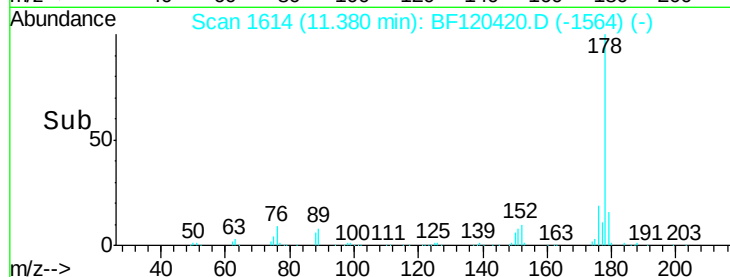
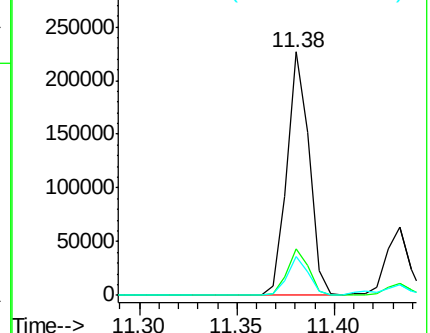
179 15.9 13.0 19.4



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: 10.554 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

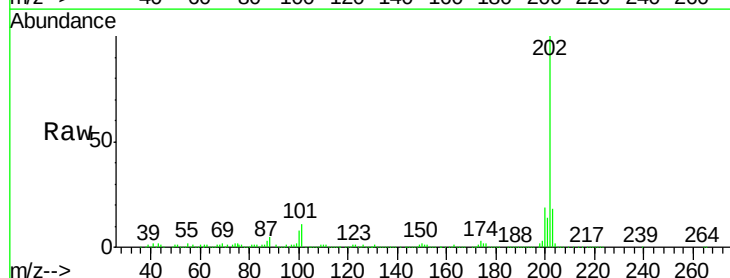
Tgt Ion:202 Resp: 349017

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.6

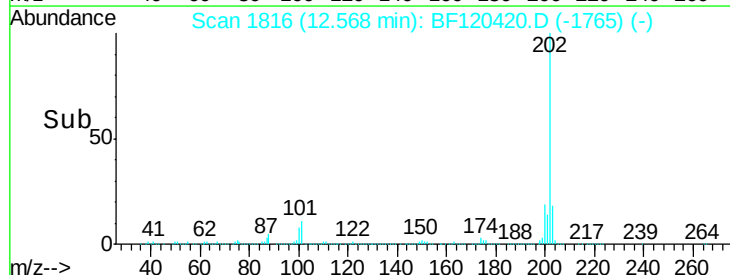
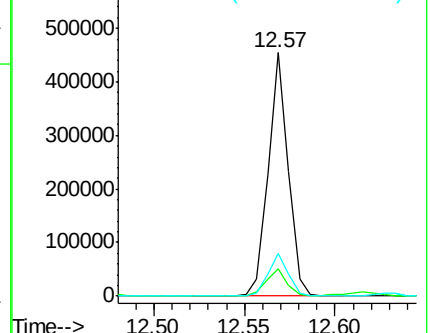
203 17.8 0.0 38.4

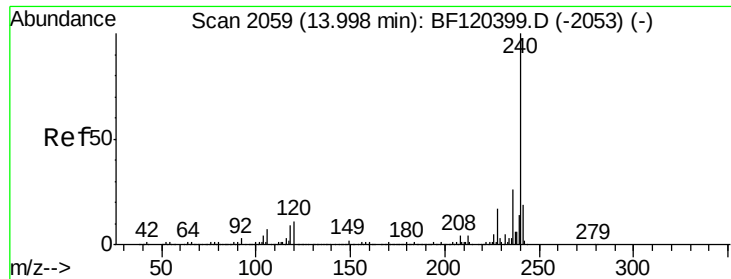


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

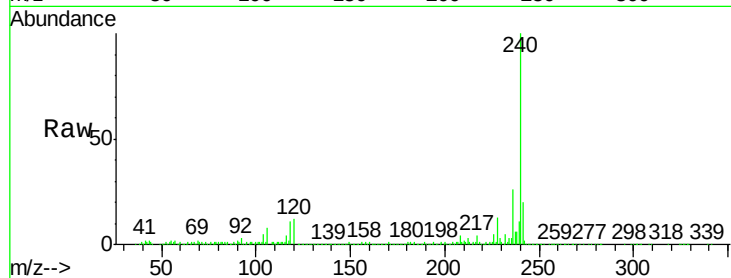




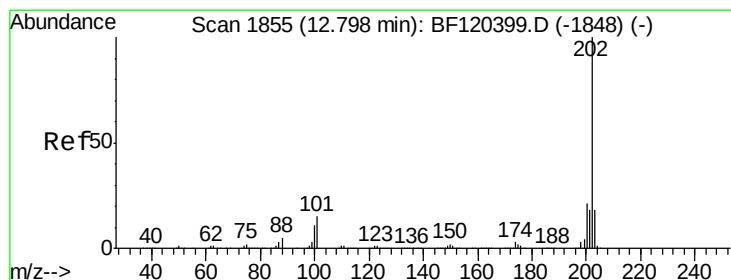
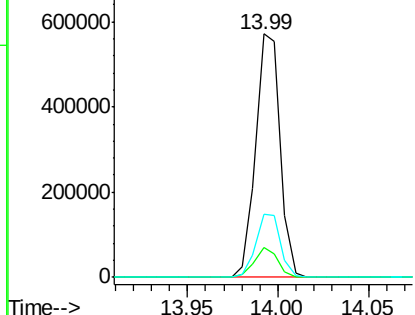
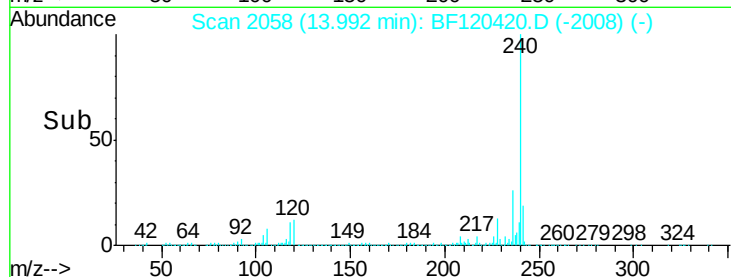
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Instrument :
BNA_F
ClientSampleId :
NM22-COMP-2020-0-6

Tot Ion:240 Resp: 536822
Ion Ratio Lower Upper
240 100
120 12.4 8.8 13.2
236 25.9 21.0 31.4

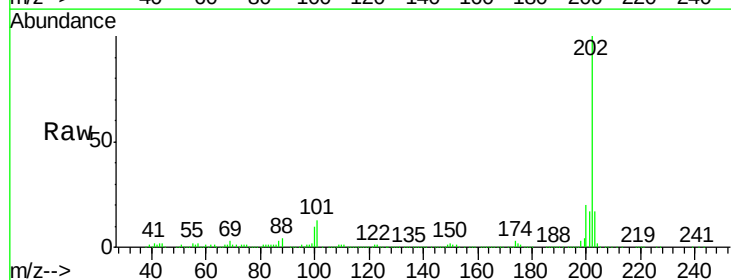


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

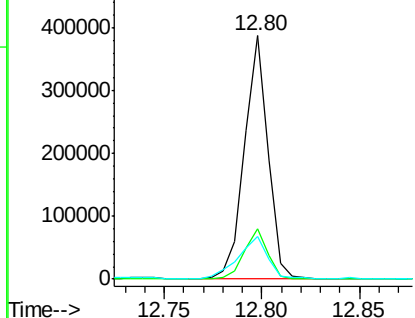
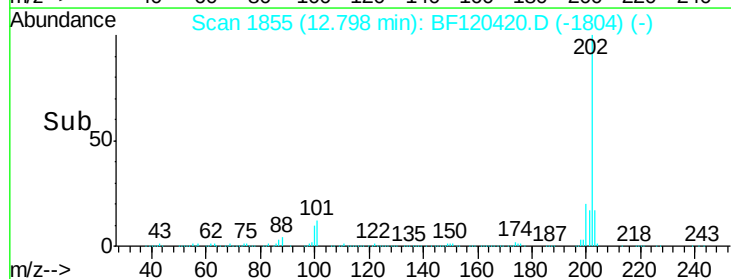


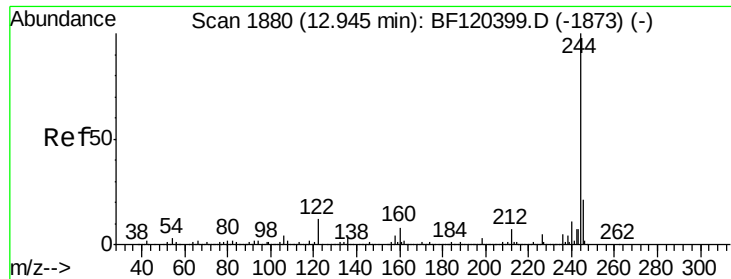
#78
Pyrene
Concen: 8.635 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Tgt Ion:202 Resp: 322354
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.4 14.7 22.1



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: 80.566 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

Instrument :

BNA_F

ClientSampleId :

NM22-COMP-2020-0-6

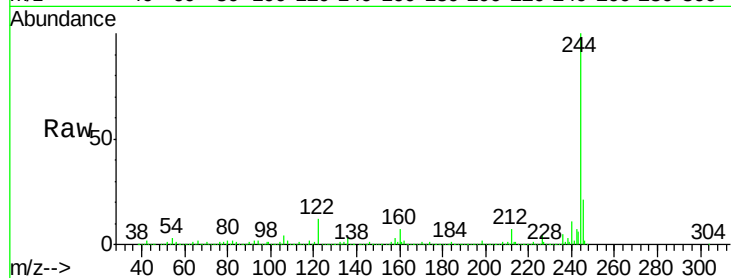
Tot Ion:244 Resp: 1943593

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

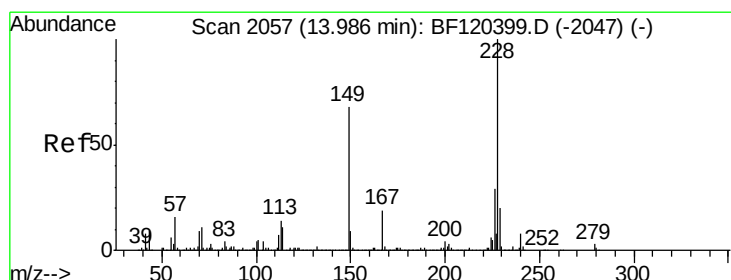
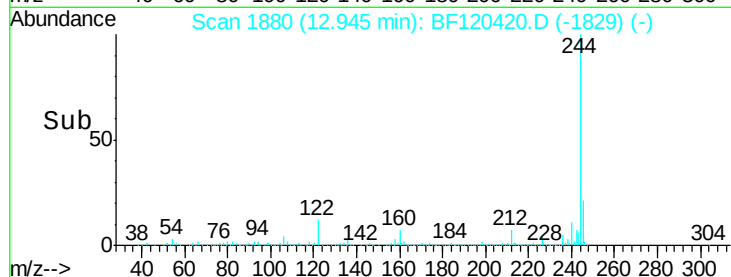
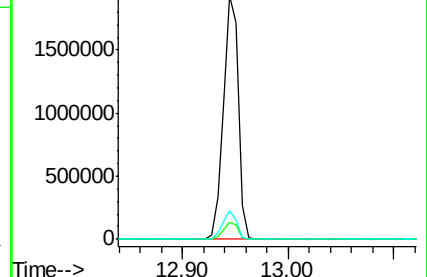
122 11.9 9.2 13.8



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: 5.926 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

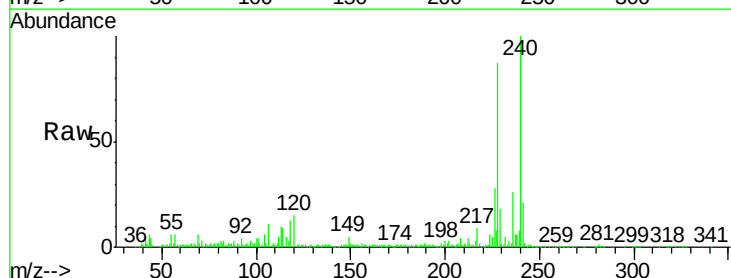
Tgt Ion:228 Resp: 170498

Ion Ratio Lower Upper

228 100

226 32.7 23.0 34.4

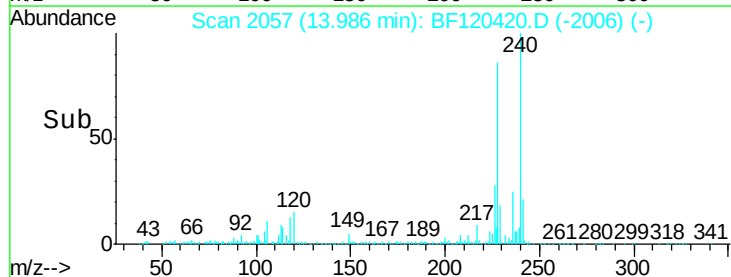
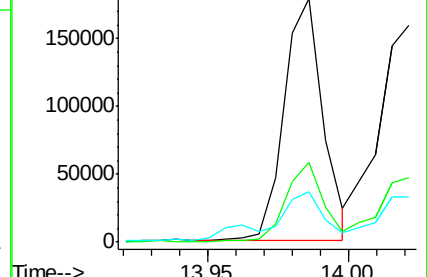
229 20.8 16.2 24.4

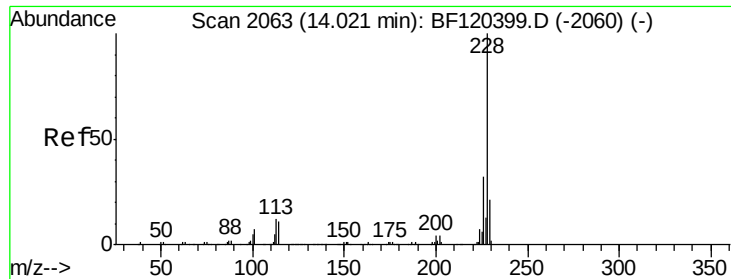


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

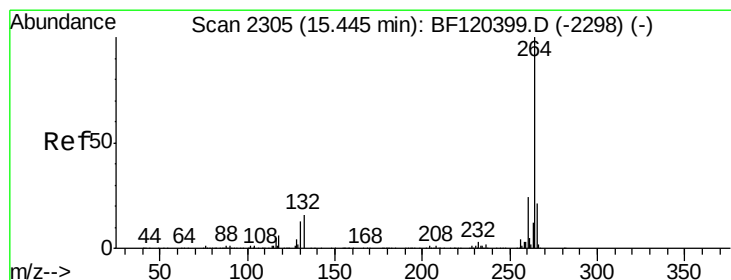
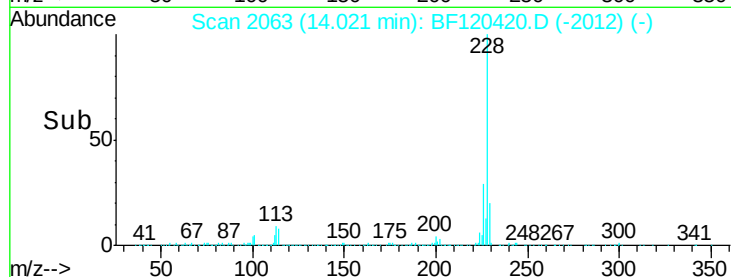
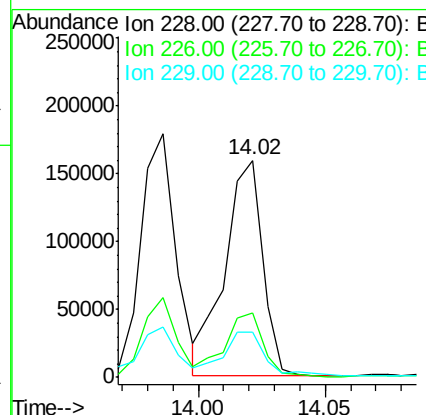
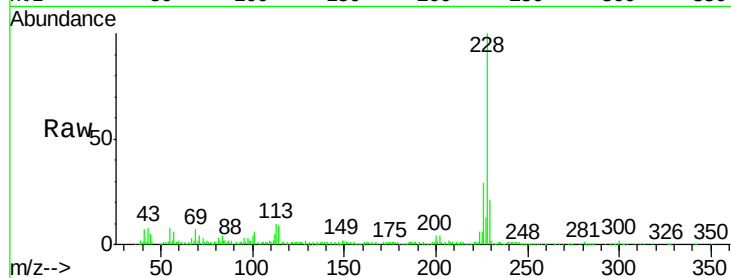




#83
Chrysene
Concen: 5.478 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

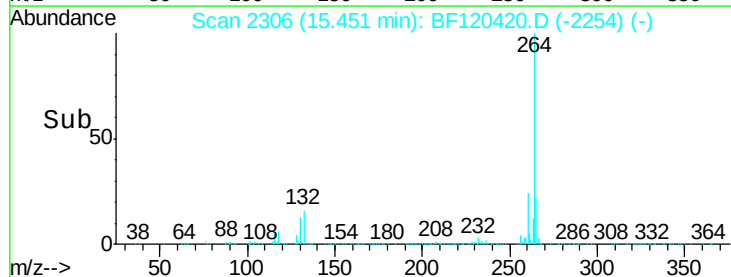
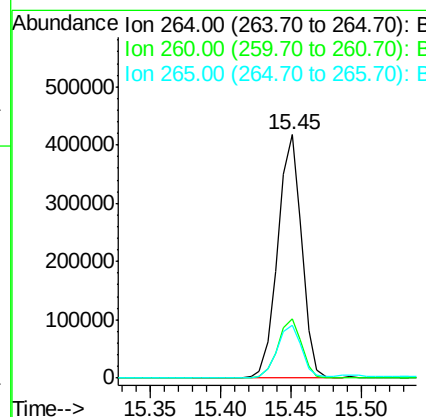
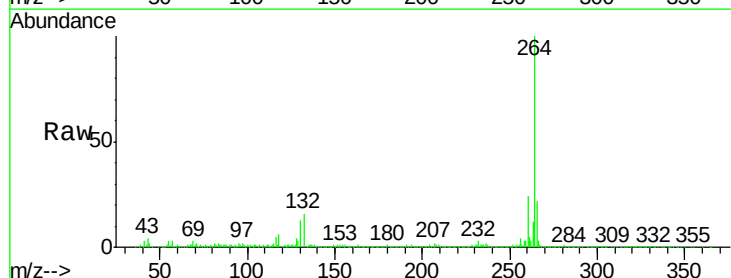
Instrument :
BNA_F
ClientSampleId :
NM22-COMP-2020-0-6

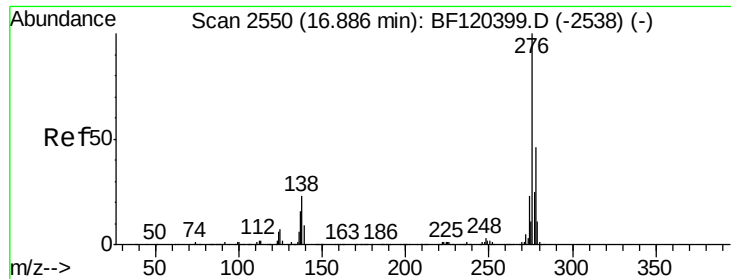
Tot	Ion:228	Resp:	165219
Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.6	38.4
229	21.0	16.6	25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Tgt	Ion:264	Resp:	494032
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	16.9	25.3

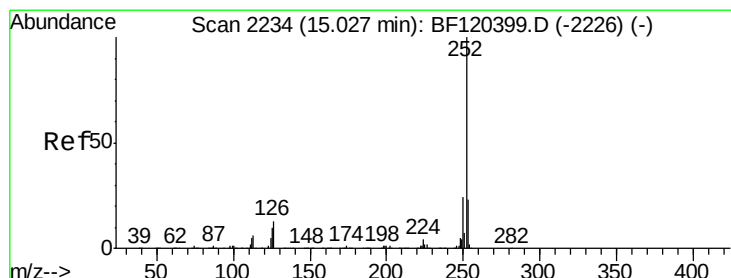
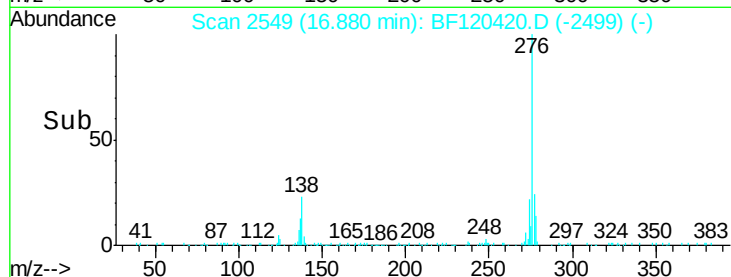
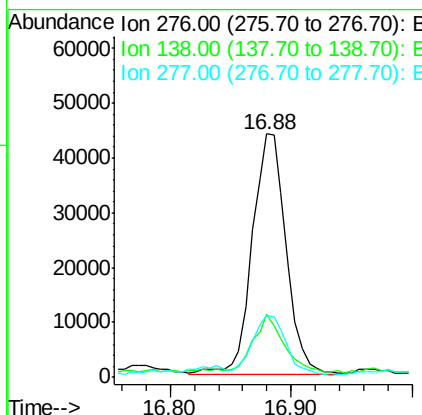
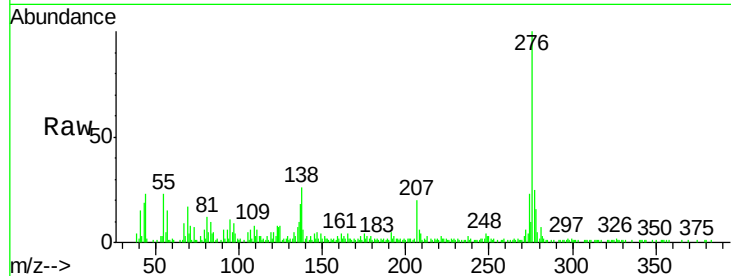




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.186 ng
 RT: 16.88 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF120420.D
 Acq: 28 May 2020 20:57

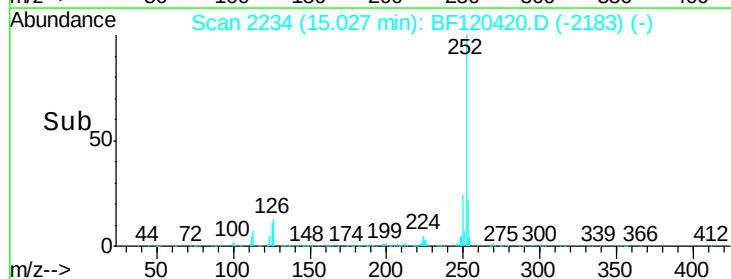
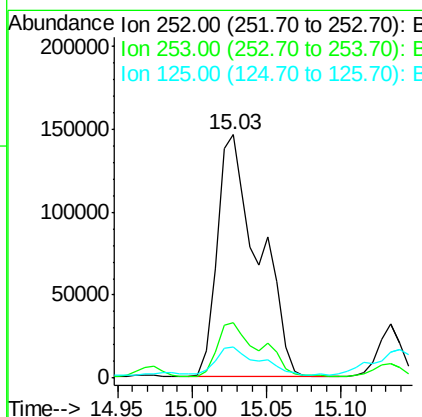
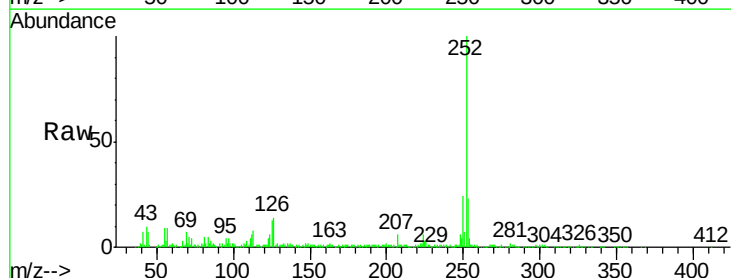
Instrument :
 BNA_F
 ClientSampleId :
 NM22-COMP-2020-0-6

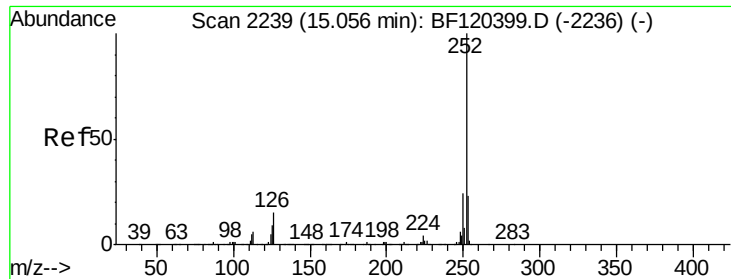
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.4	30.6
277	24.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 10.177 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF120420.D
 Acq: 28 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.8	7.8	11.8

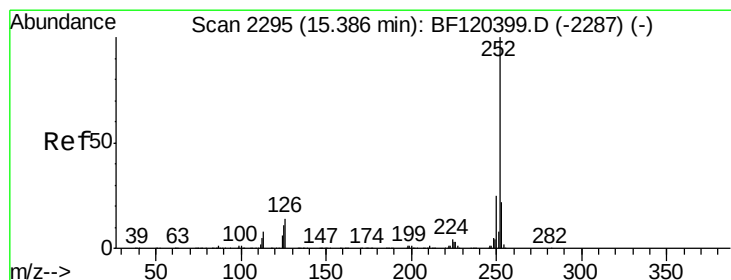
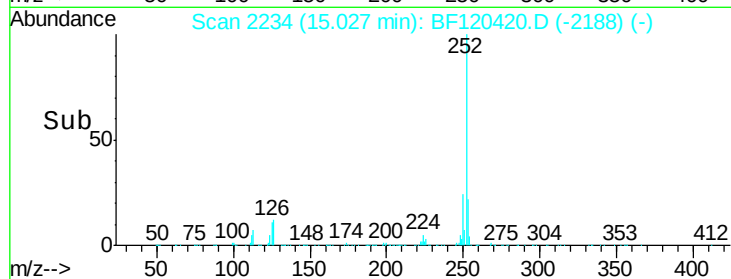
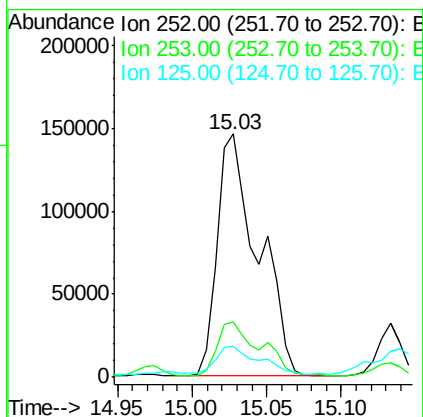
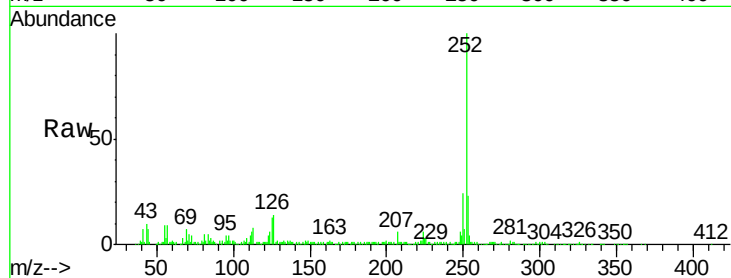




#89
Benzo(k)fluoranthene
Concen: 10.901 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

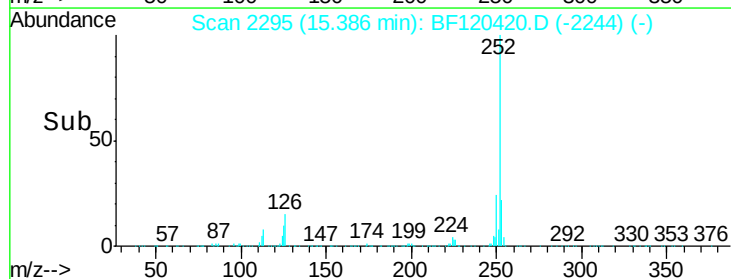
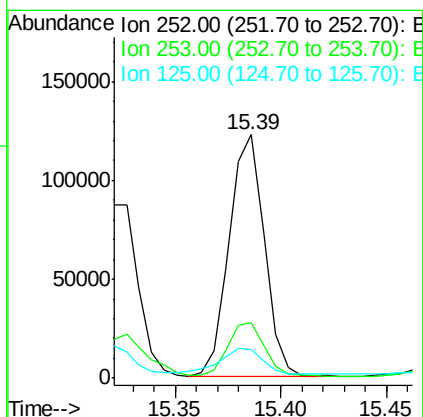
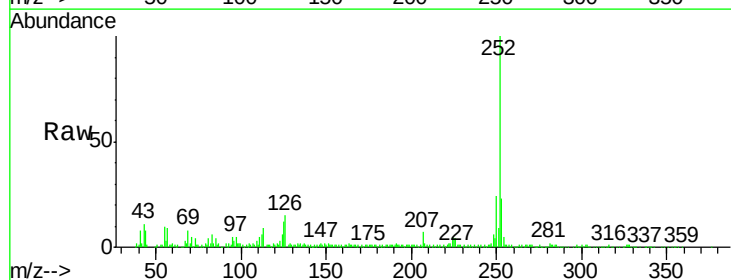
Instrument :
BNA_F
ClientSampleId :
NM22-COMP-2020-0-6

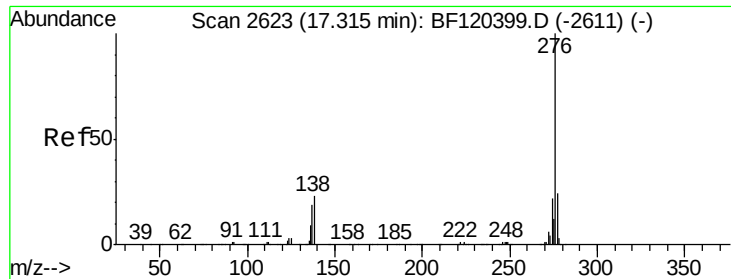
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	12.8	8.0	12.0



#90
Benzo(a)pyrene
Concen: 5.858 ng
RT: 15.39 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BF120420.D
Acq: 28 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	11.7	8.7	13.1





#92

Benzo(a,h,i)perylene

Concen: 3.744 ng

RT: 17.32 min Scan# 2623

Delta R.T. 0.00 min

Lab File: BF120420.D

Acq: 28 May 2020 20:57

Instrument :

BNA_F

ClientSampleId :

NM22-COMP-2020-0-6

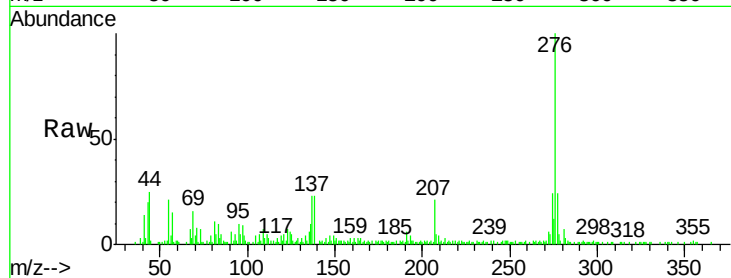
Tot Ion:276 Resp: 81358

Ion Ratio Lower Upper

276 100

277 23.8 19.5 29.3

138 22.8 18.1 27.1



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

