

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120421.D
 Acq On : 28 May 2020 21:26
 Operator : MA/SJ
 Sample : L2744-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM53-COMP-2020-0-6

Quant Time: May 29 03:29:39 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	233277	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	812914	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	383788	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	653582	20.00	ng	0.00
76) Chrysene-d12	13.99	240	547163	20.00	ng	0.00
86) Perylene-d12	15.45	264	511245	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1229107	100.41	ng	0.00
7) Phenol-d6	6.47	99	1510799	100.14	ng	0.00
23) Nitrobenzene-d5	7.40	82	948039	76.29	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	368662	103.67	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1716016	75.86	ng	0.00
79) Terphenyl-d14	12.94	244	1689492	68.71	ng	0.00

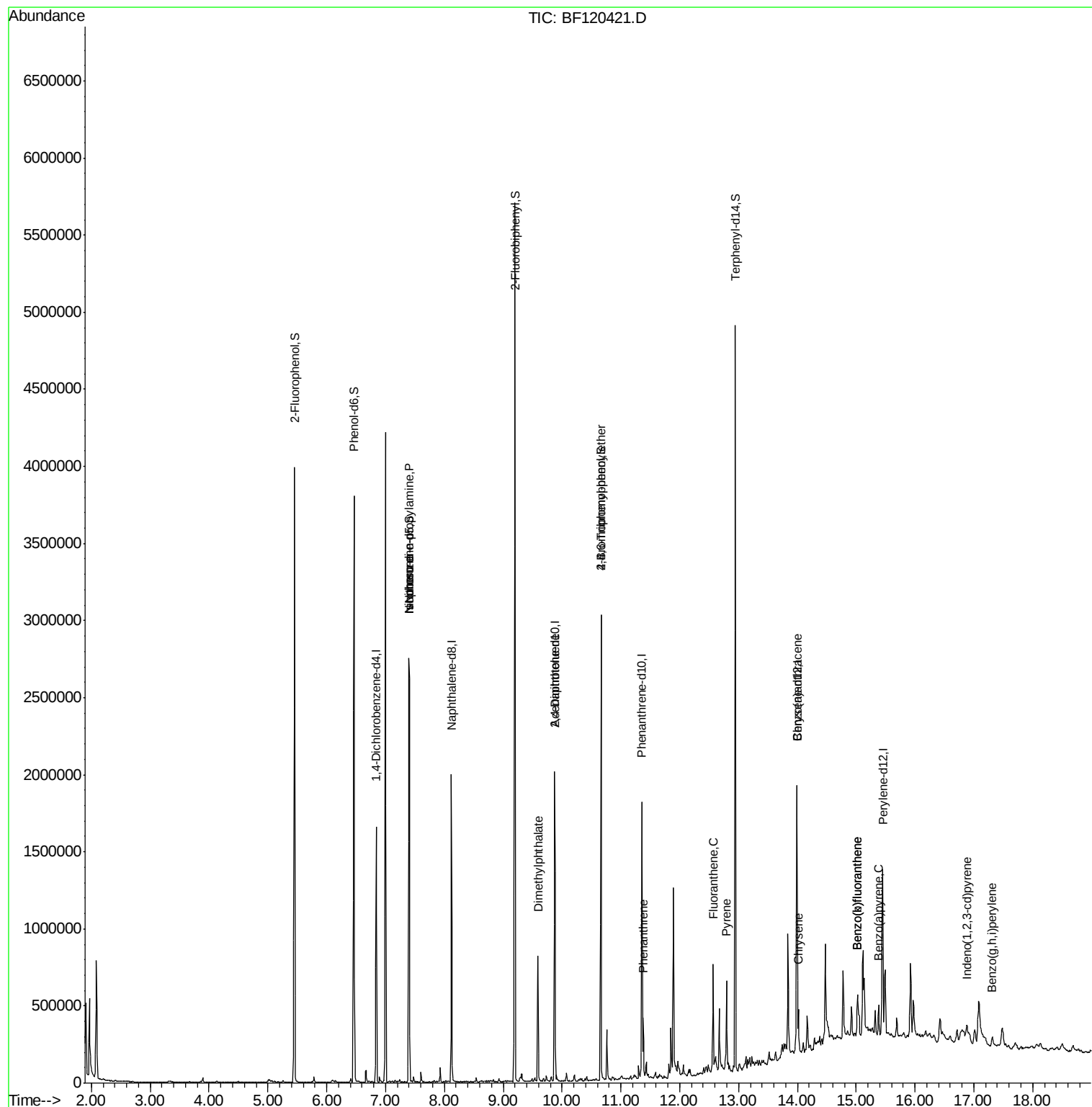
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	127553	13.300	ng	# 79
25) Isophorone	7.40	82	947331	37.928	ng	# 64
50) Dimethylphthalate	9.59	163	334091	13.924	ng	99
57) 2,4-Dinitrotoluene	9.87	165	48926	7.169	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22278	3.377	ng	# 1
71) Phenanthrene	11.38	178	119964	4.166	ng	97
75) Fluoranthene	12.57	202	235727	7.607	ng	97
78) Pyrene	12.80	202	218408	5.740	ng	98
81) Benzo(a)anthracene	13.99	228	118672	4.047	ng	97
83) Chrysene	14.02	228	113578	3.694	ng	97
87) Indeno(1,2,3-cd)pyrene	16.88	276	59403	2.124	ng	95
88) Benzo(b)fluoranthene	15.02	252	189507	6.674	ng	# 97
89) Benzo(k)fluoranthene	15.02	252	189507	7.149	ng	# 98
90) Benzo(a)pyrene	15.38	252	98531	3.967	ng	97
92) Benzo(a,h,i)perylene	17.32	276	54194	2.410	ng	98

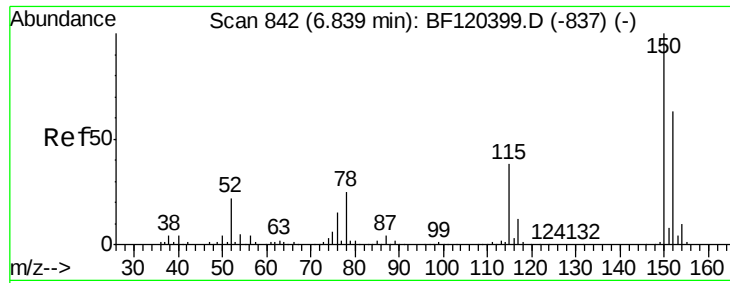
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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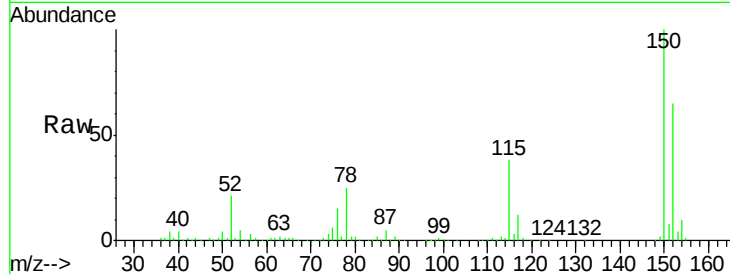


#1

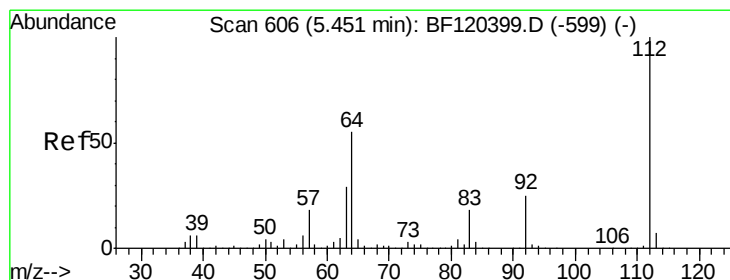
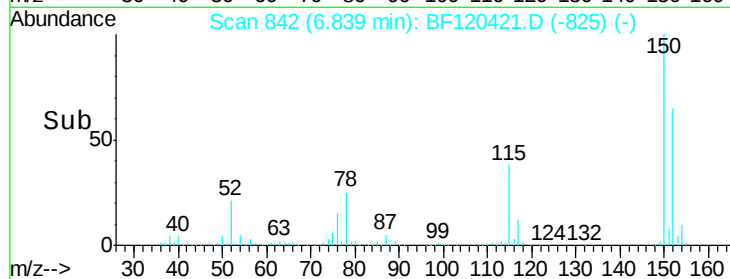
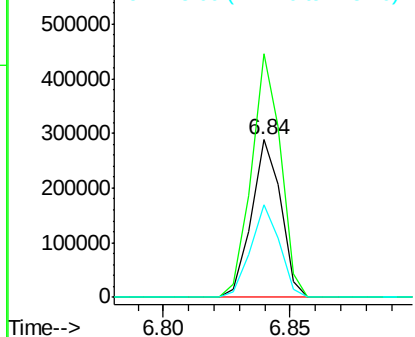
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:152 Resp: 233277
Ion Ratio Lower Upper
152 100
150 154.4 126.5 189.7
115 59.1 47.6 71.4



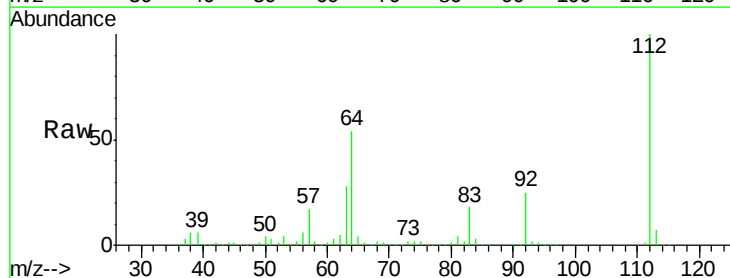
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



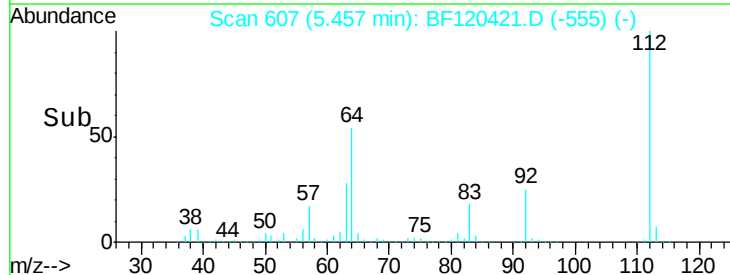
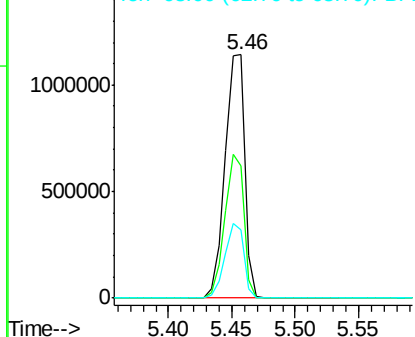
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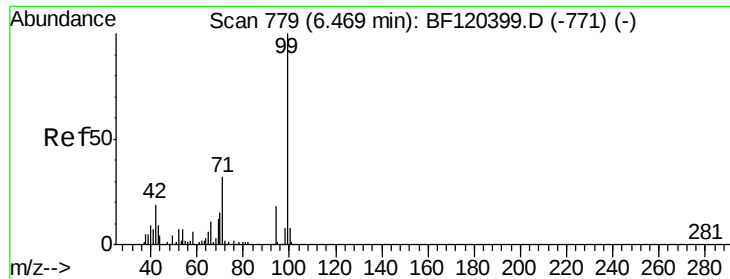
2-Fluorophenol
Concen: 100.411 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion:112 Resp: 1229107
Ion Ratio Lower Upper
112 100
64 54.5 44.3 66.5
63 28.1 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: 100.135 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Instrument :

BNA_F

ClientSampleId :

NM53-COMP-2020-0-6

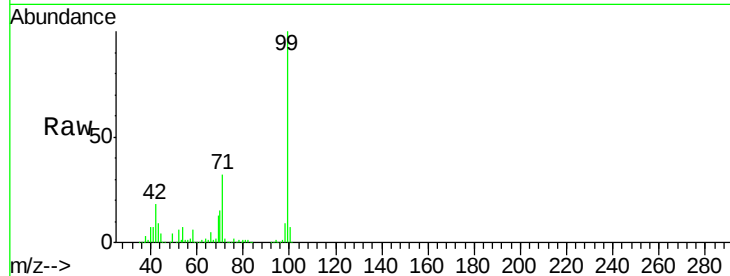
Tot Ion: 99 Resp: 1510799

Ion Ratio Lower Upper

99 100

42 18.2 15.2 22.8

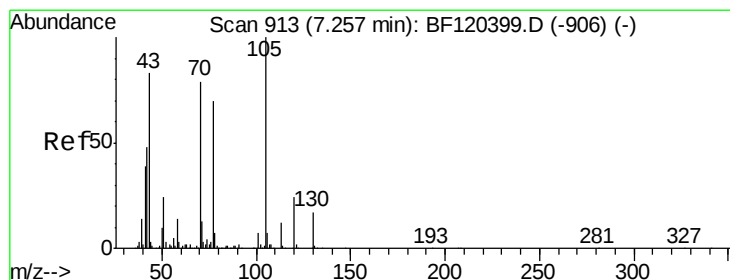
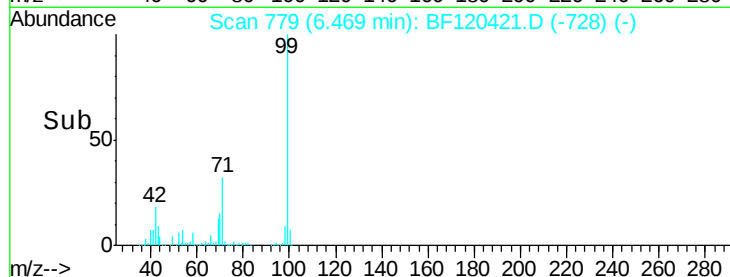
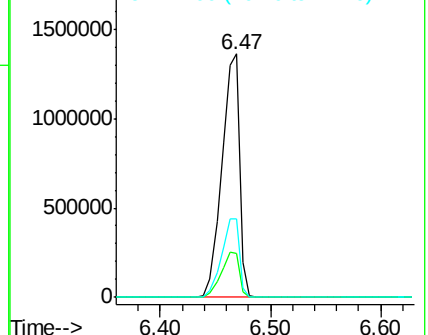
71 32.2 25.6 38.4



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: 13.300 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Tgt Ion: 70 Resp: 127553

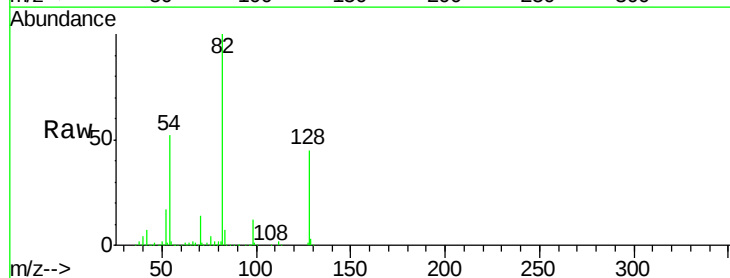
Ion Ratio Lower Upper

70 100

42 50.5 48.9 73.3

101 0.0 7.4 11.2#

130 2.1 16.8 25.2#

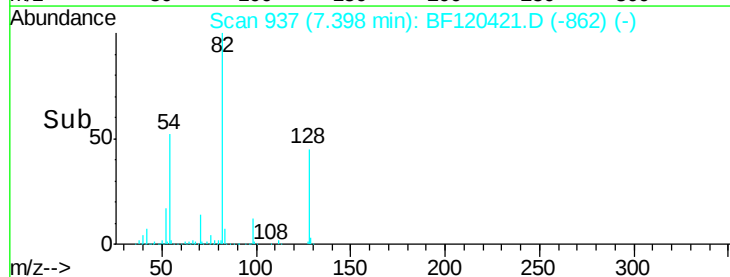
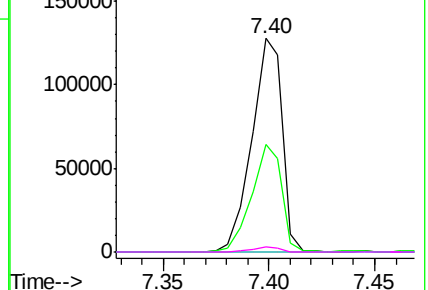


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120421.D

Acq: 28 May 2020 21:26

Instrument :

BNA_F

ClientSampleId :

NM53-COMP-2020-0-6

Tot Ion:136 Resp: 812914

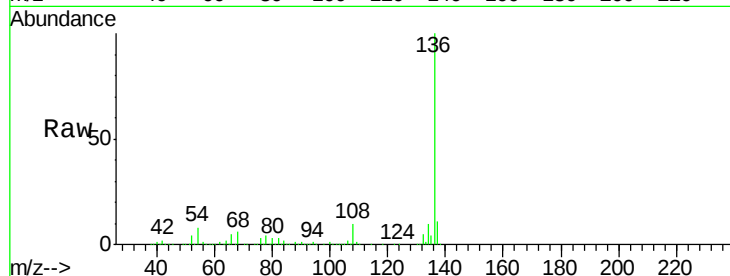
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.7 6.7 10.1

68 6.2 5.0 7.4

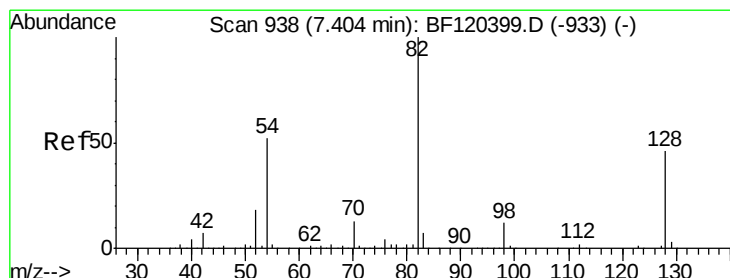
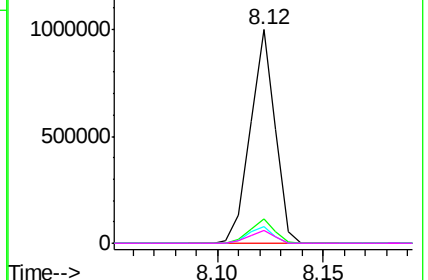
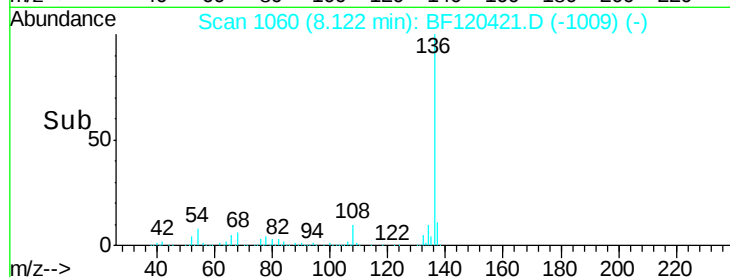


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.286 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

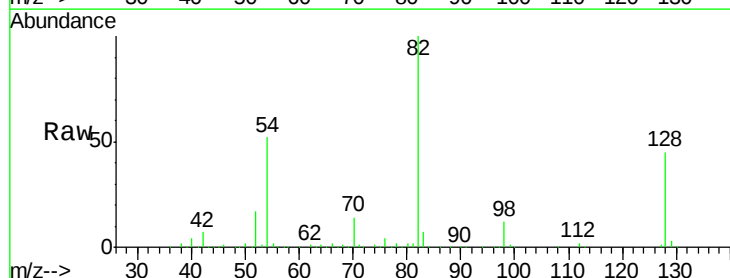
Tgt Ion: 82 Resp: 948039

Ion Ratio Lower Upper

82 100

128 45.1 36.8 55.2

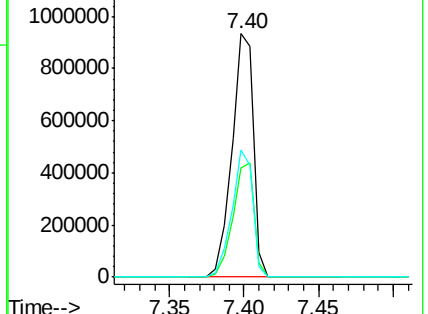
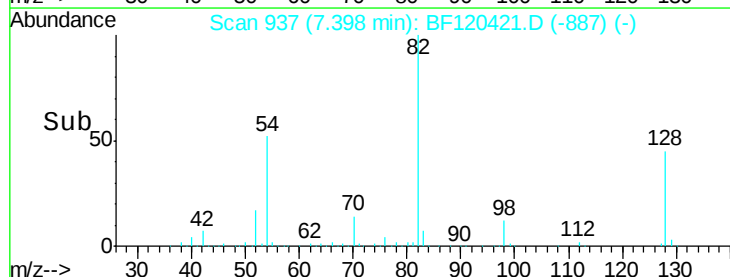
54 52.3 41.6 62.4



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: 37.928 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

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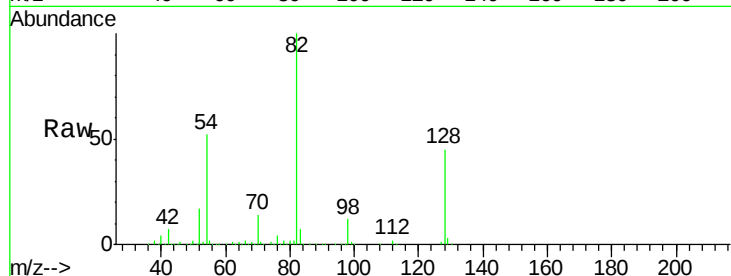
Tot Ion: 82 Resp: 947331

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

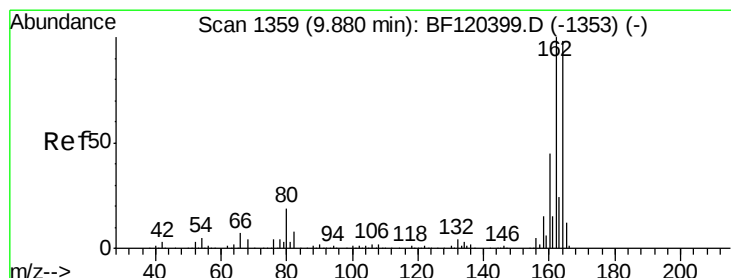
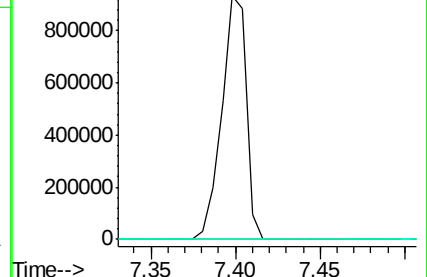
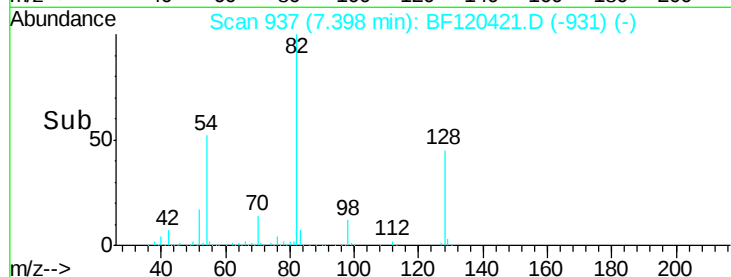
138 0.0 15.0 22.4#



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: BF120421.D

Acq: 28 May 2020 21:26

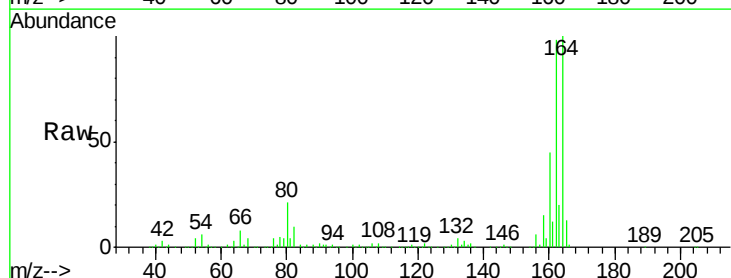
Tgt Ion: 164 Resp: 383788

Ion Ratio Lower Upper

164 100

162 97.9 81.3 121.9

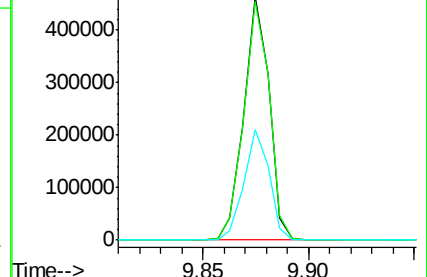
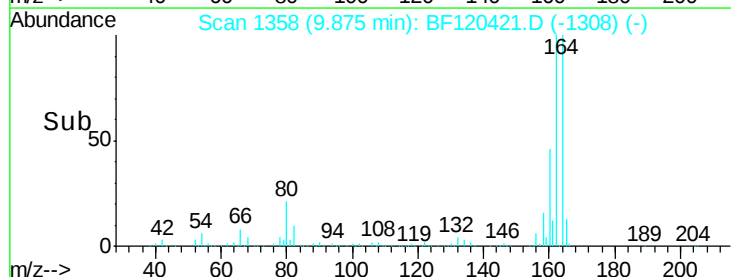
160 45.2 36.9 55.3

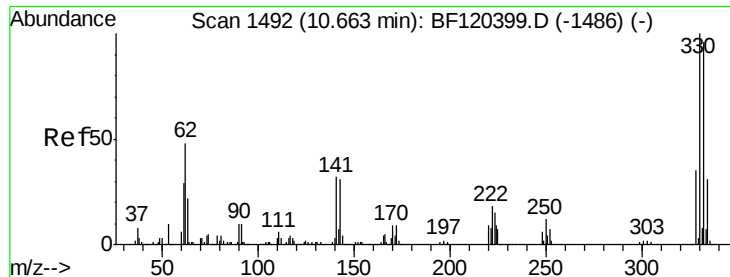


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

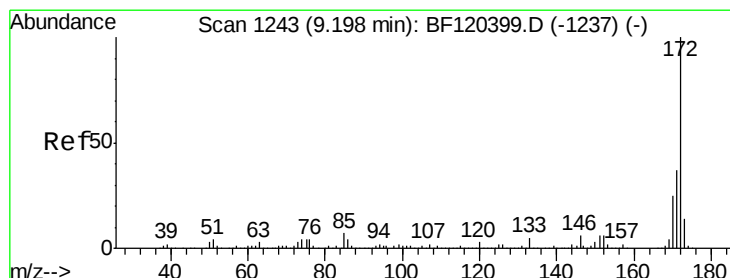
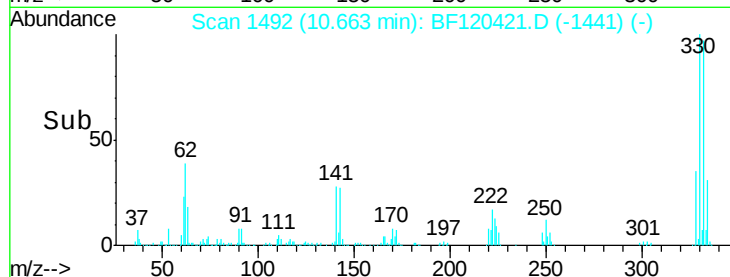
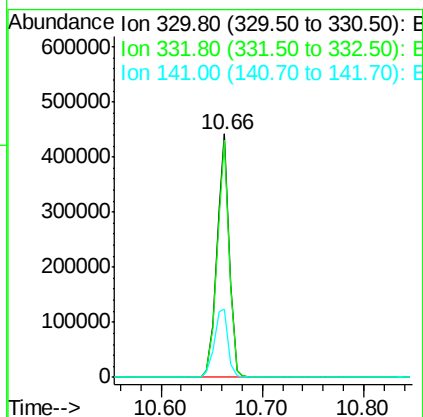
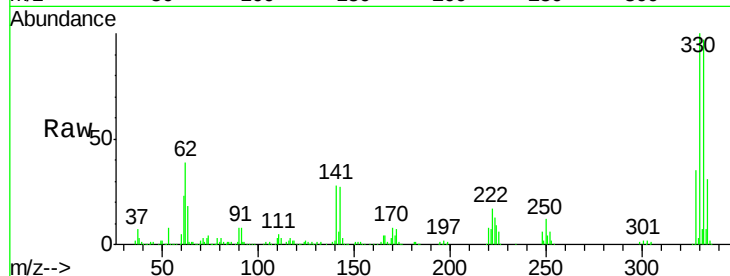




#42
 2,4,6-Tribromophenol
 Concen: 103.674 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

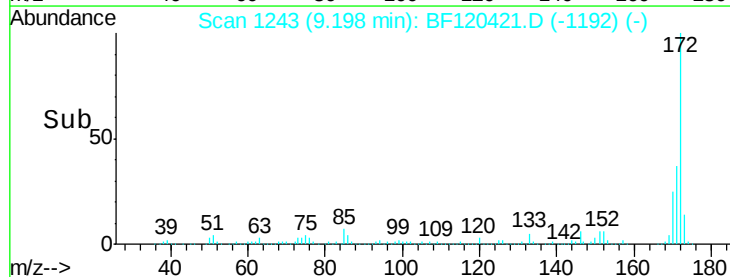
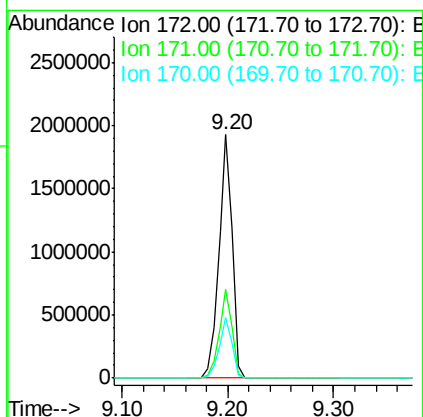
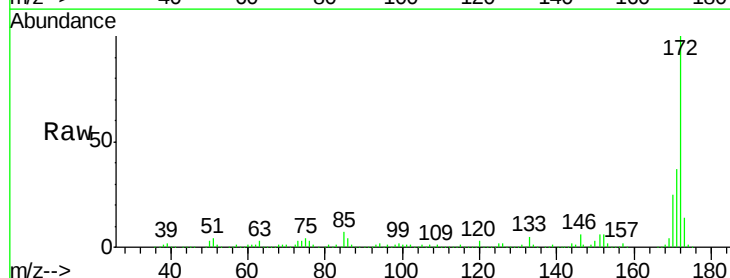
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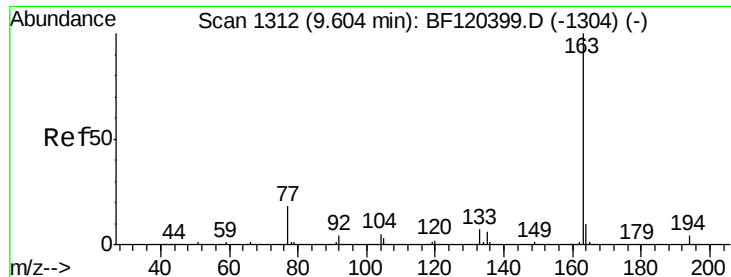
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	31.6	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 75.864 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.7	19.9	29.9

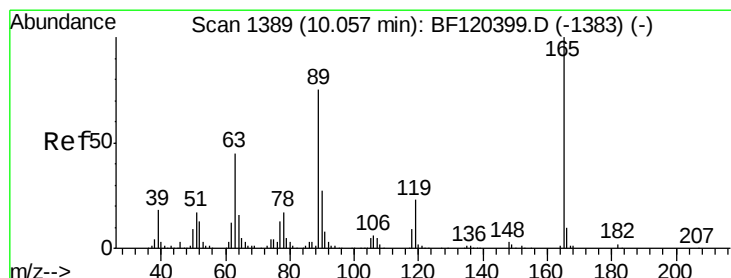
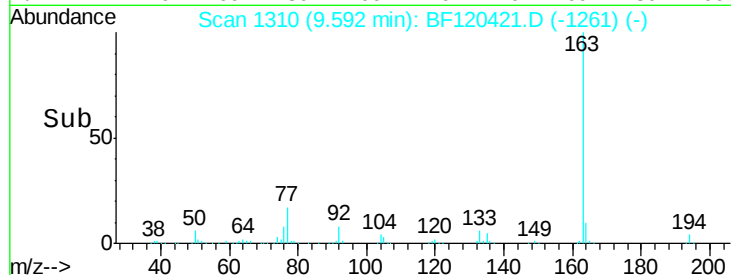
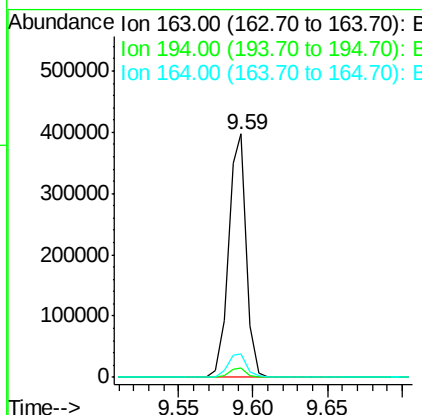
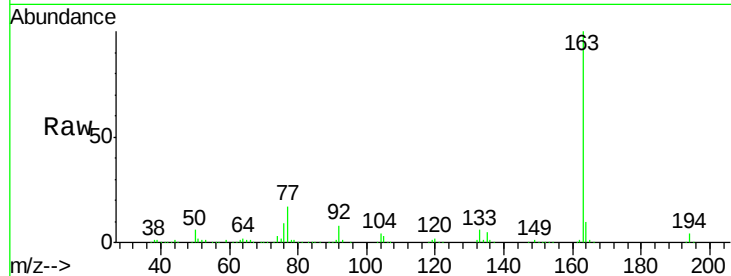




#50
Dimethylphthalate
Concen: 13.924 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

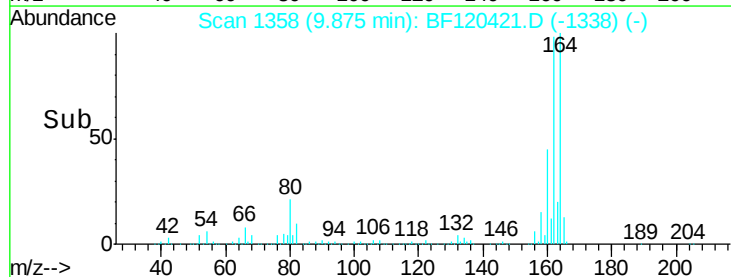
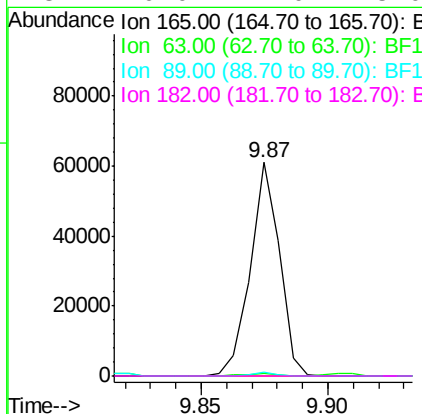
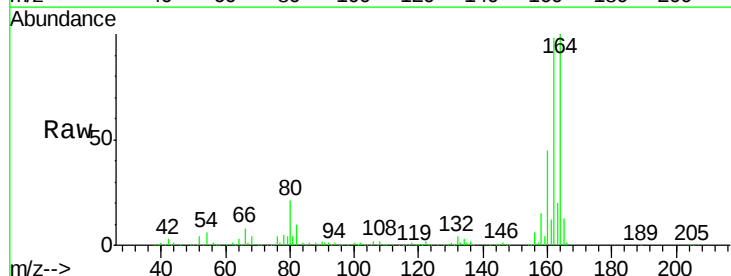
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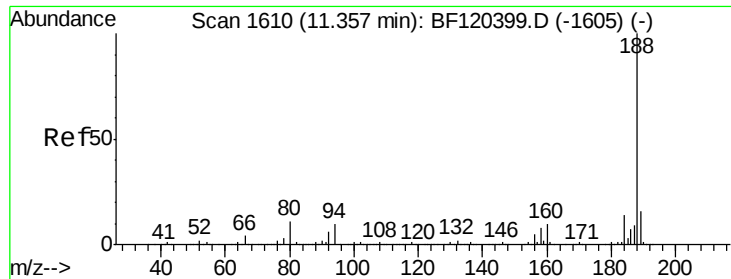
Tot Ion:163 Resp: 334091
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.7 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.169 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.18 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion:165 Resp: 48926
Ion Ratio Lower Upper
165 100
63 1.2 35.9 53.9#
89 1.5 60.0 90.0#
182 0.0 2.0 3.0#

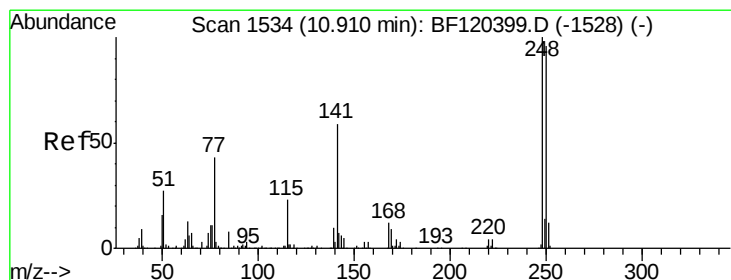
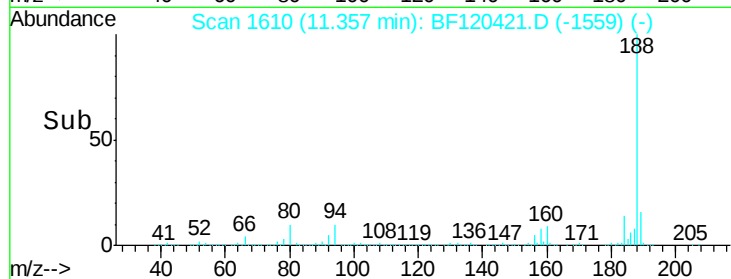
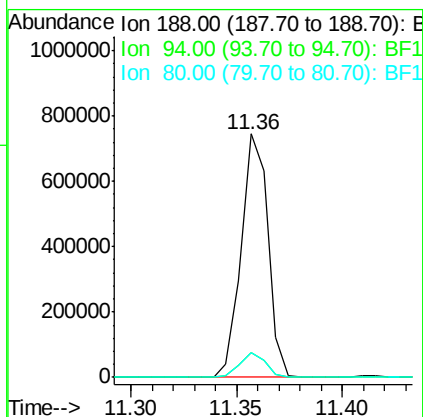
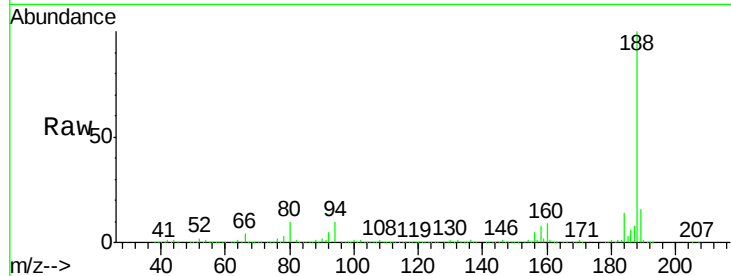




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

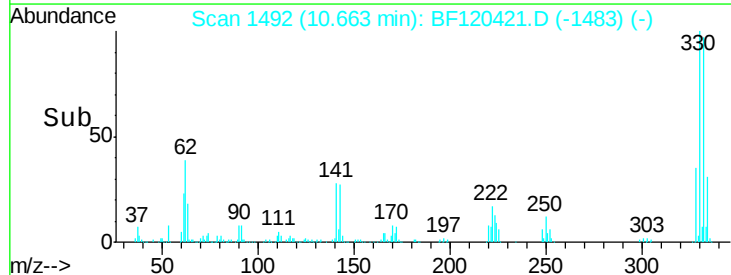
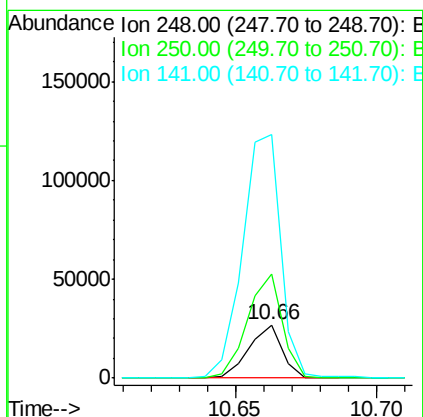
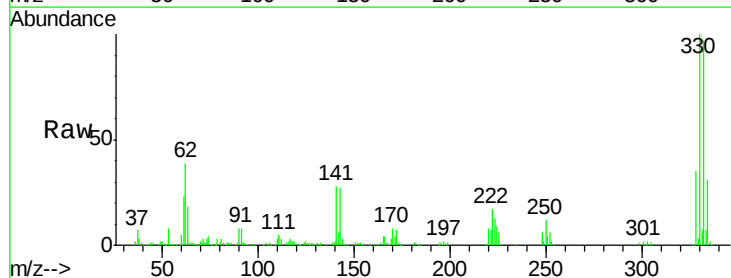
Instrument :
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ClientSampleId :
NM53-COMP-2020-0-6

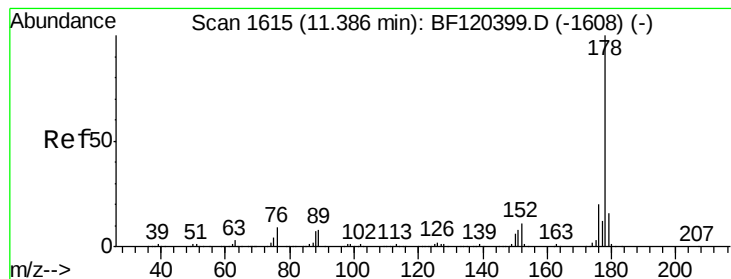
Tot Ion:188 Resp: 653582
Ion Ratio Lower Upper
188 100
94 10.1 7.9 11.9
80 10.3 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 3.377 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion:248 Resp: 22278
Ion Ratio Lower Upper
248 100
250 195.3 76.5 114.7#
141 455.7 47.2 70.8#





#71

Phenanthrene

Concen: 4.166 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Instrument :

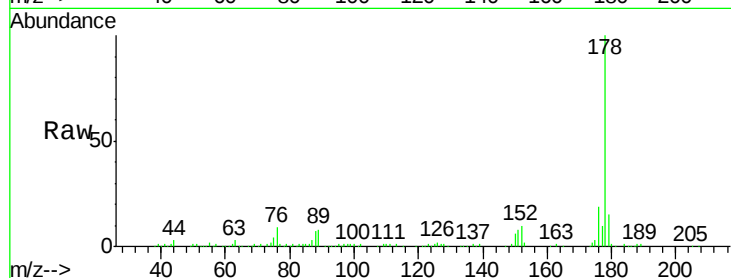
BNA_F

ClientSampleId :

NM53-COMP-2020-0-6

Tot Ion:178 Resp: 119964

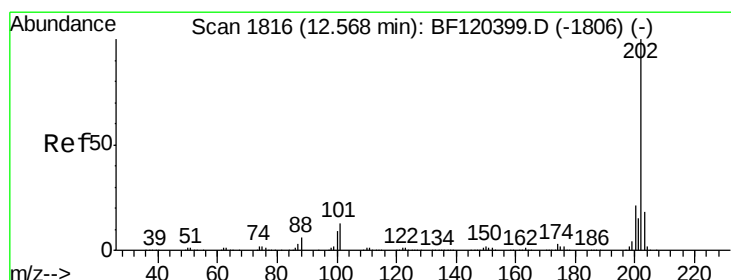
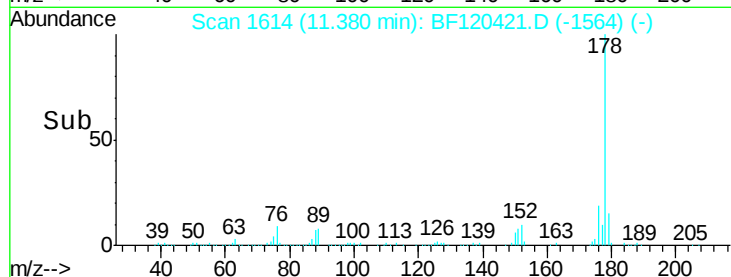
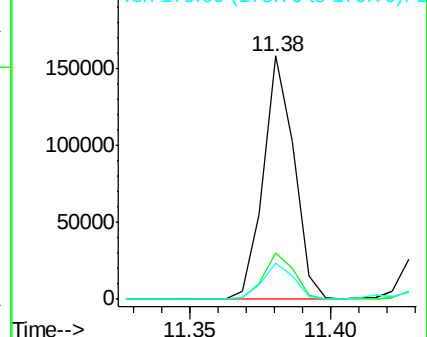
Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.1	13.0	19.4



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: 7.607 ng

RT: 12.57 min Scan# 1816

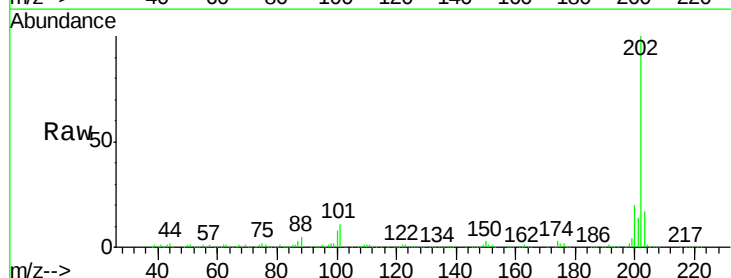
Delta R.T. 0.00 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Tgt Ion:202 Resp: 235727

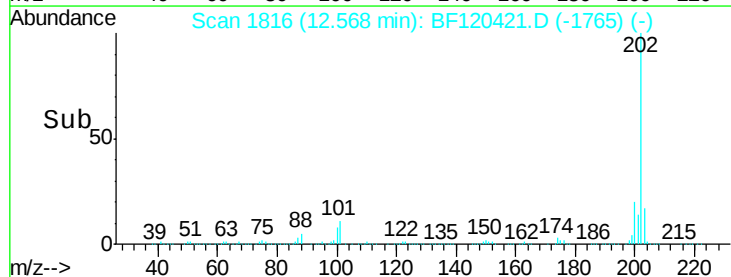
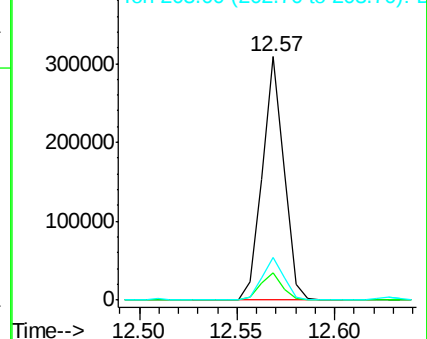
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.6
203	17.5	0.0	38.4

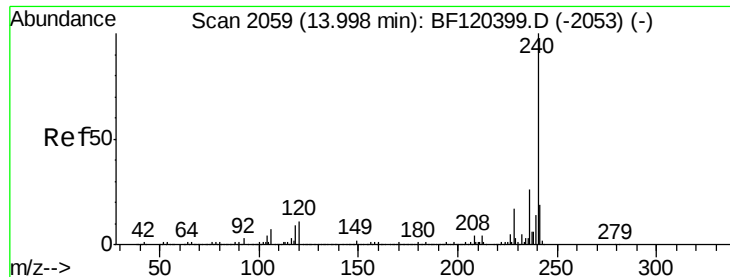


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120421.D

Acq: 28 May 2020 21:26

Instrument :

BNA_F

ClientSampleId :

NM53-COMP-2020-0-6

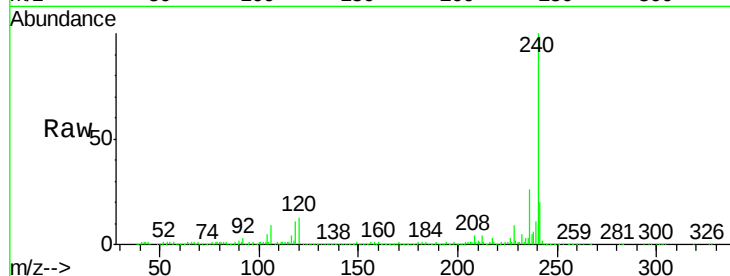
Tot Ion:240 Resp: 547163

Ion Ratio Lower Upper

240 100

120 12.6 8.8 13.2

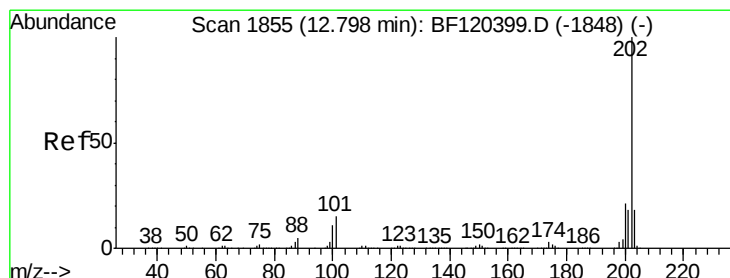
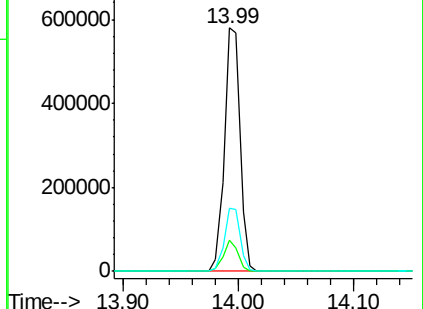
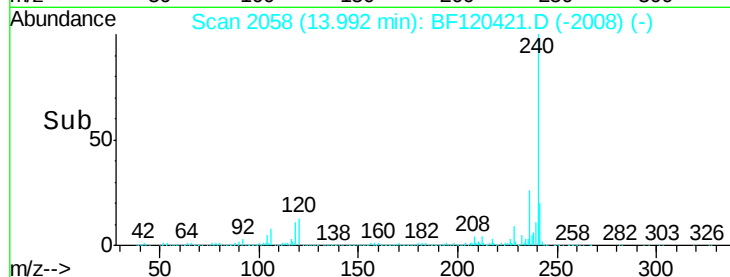
236 26.1 21.0 31.4



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: 5.740 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

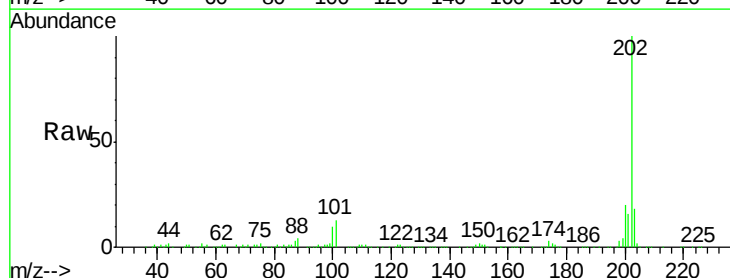
Tgt Ion:202 Resp: 218408

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

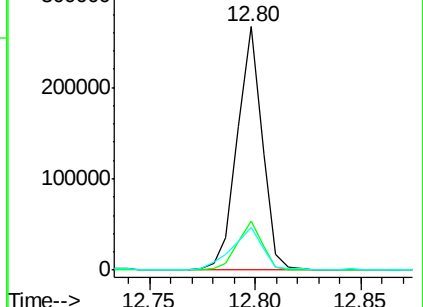
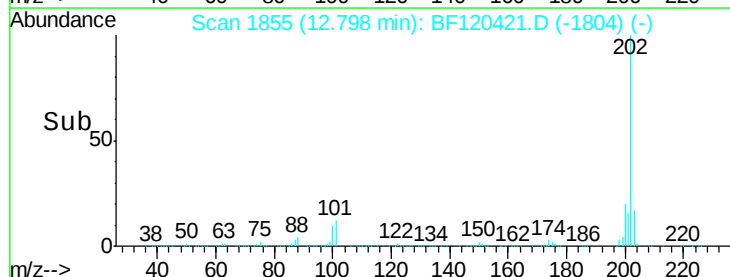
203 17.7 14.7 22.1

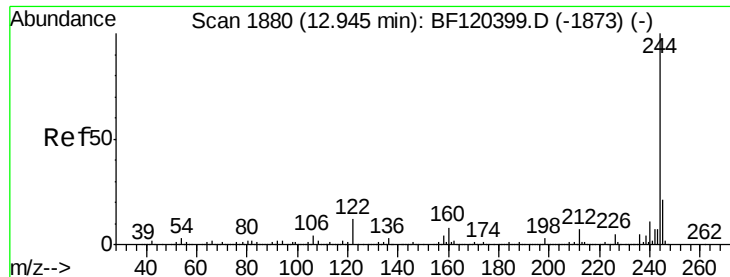


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.709 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Instrument :

BNA_F

ClientSampleId :

NM53-COMP-2020-0-6

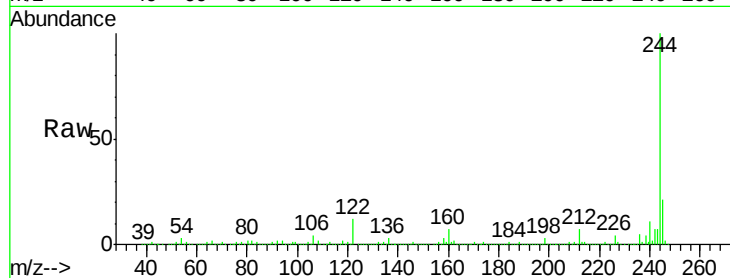
Tot Ion:244 Resp: 1689492

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

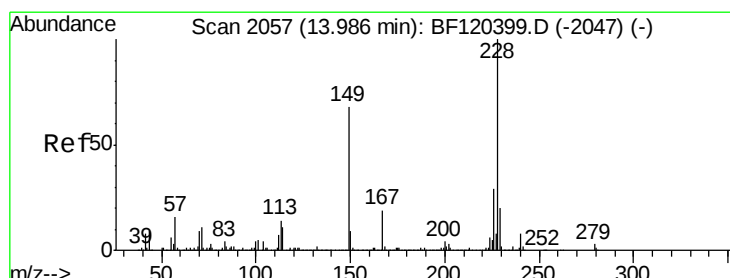
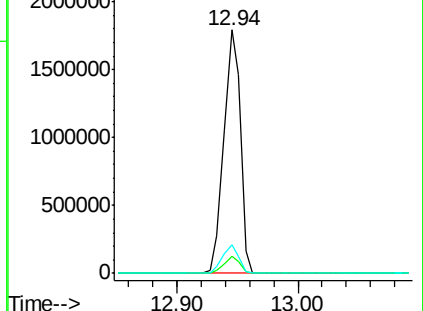
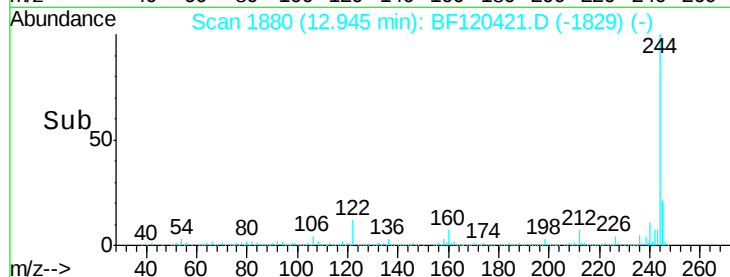
122 11.7 9.2 13.8



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: 4.047 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

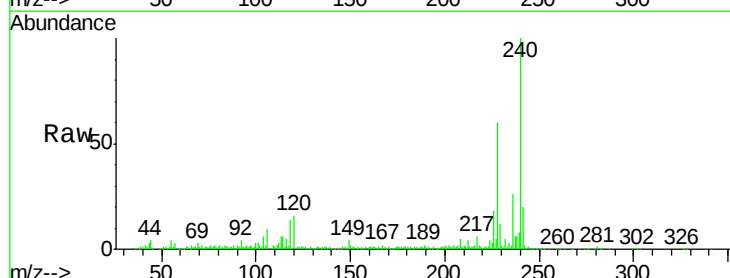
Tgt Ion:228 Resp: 118672

Ion Ratio Lower Upper

228 100

226 30.9 23.0 34.4

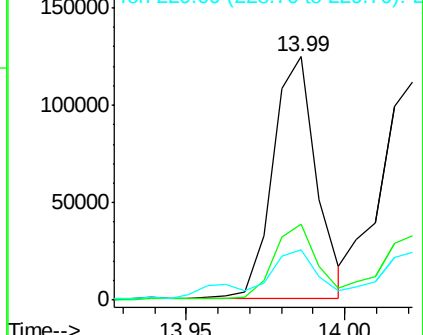
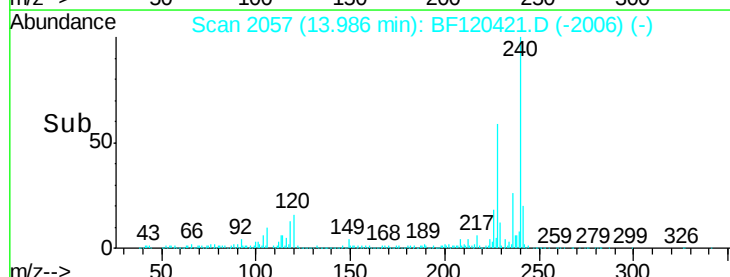
229 20.5 16.2 24.4

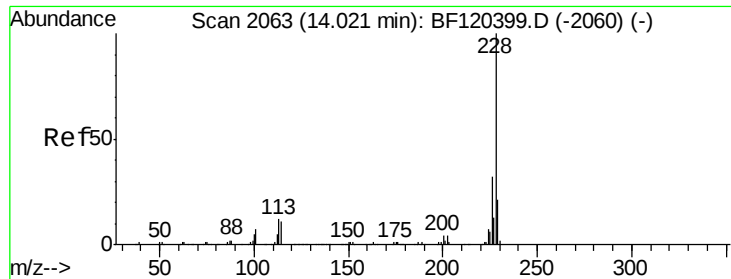


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

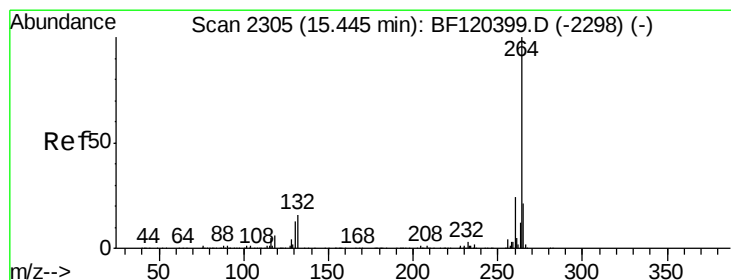
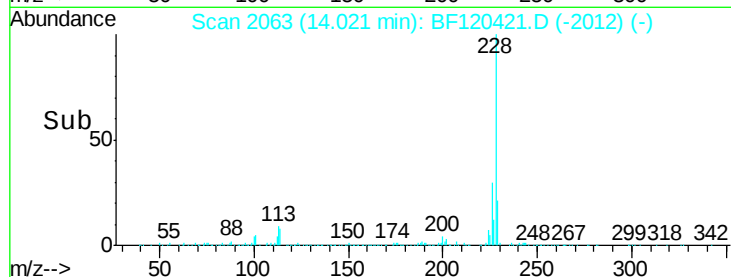
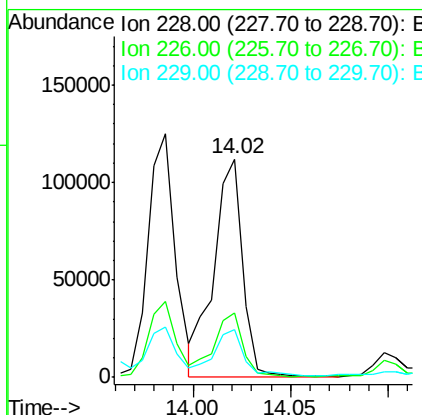
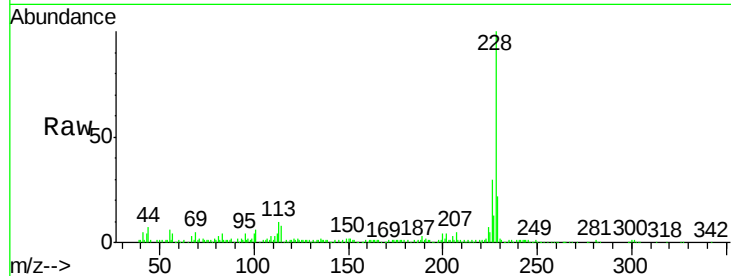




#83
Chrysene
Concen: 3.694 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

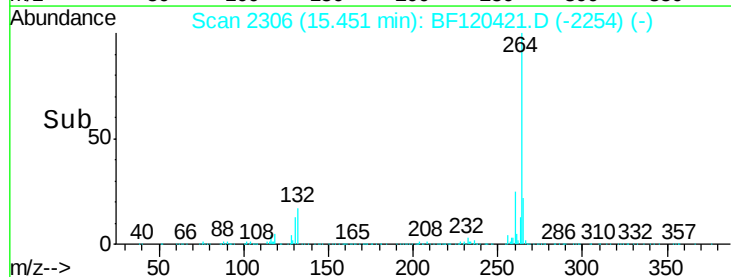
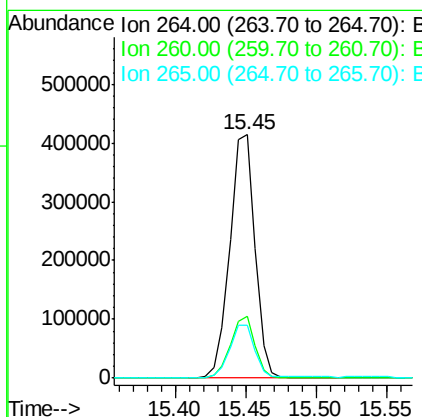
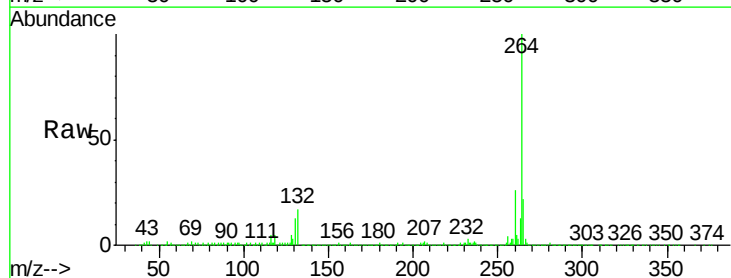
Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

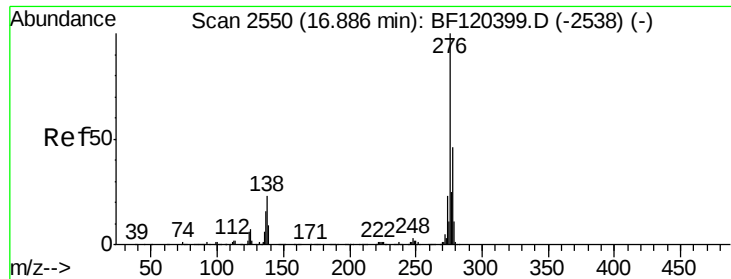
Tot Ion:228	Resp:	113578
Ion	Ratio	Lower Upper
228	100	
226	29.8	25.6 38.4
229	22.0	16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion:264	Resp:	511245
Ion	Ratio	Lower Upper
264	100	
260	25.5	19.2 28.8
265	21.9	16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.124 ng

RT: 16.88 min Scan# 2549

Delta R.T. -0.01 min

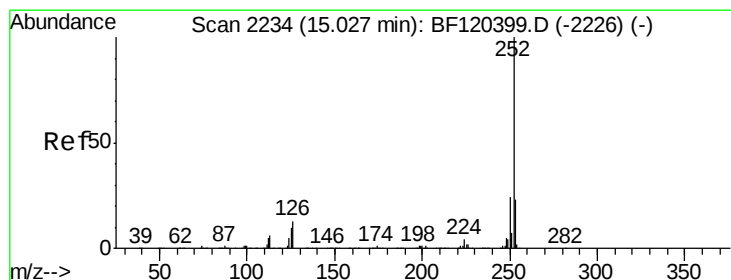
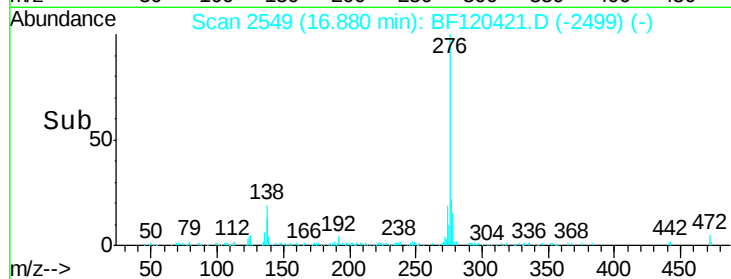
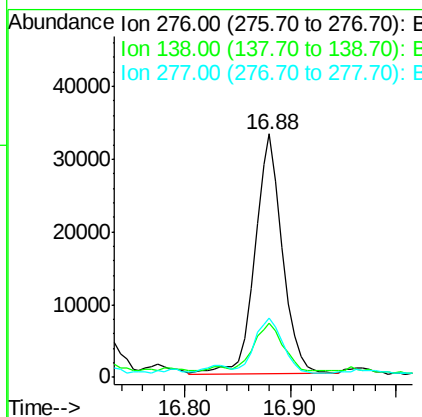
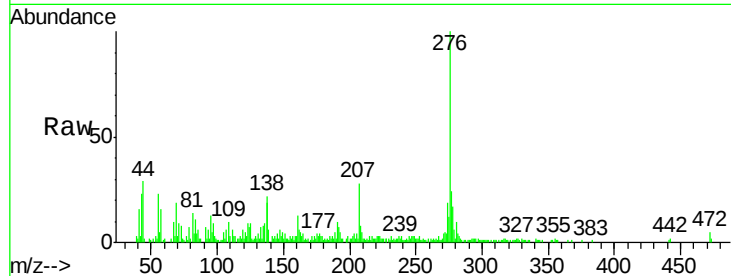
Lab File: BF120421.D

Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

Tot Ion:276 Resp: 59403

Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.4	30.6
277	24.0	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 6.674 ng

RT: 15.02 min Scan# 2233

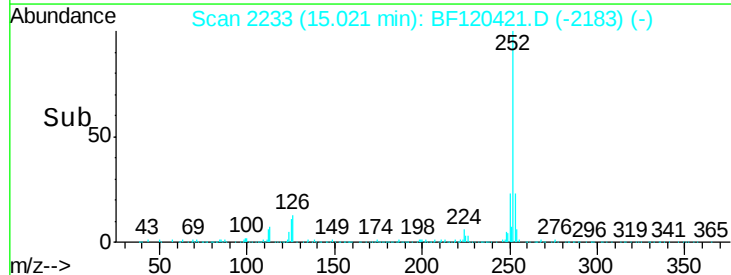
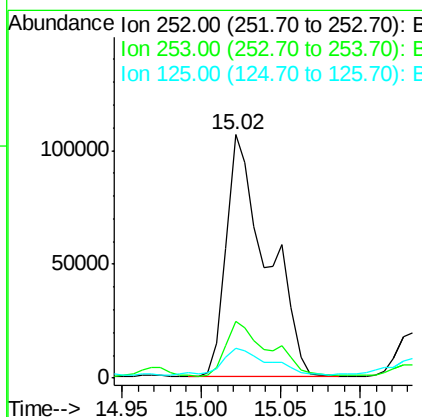
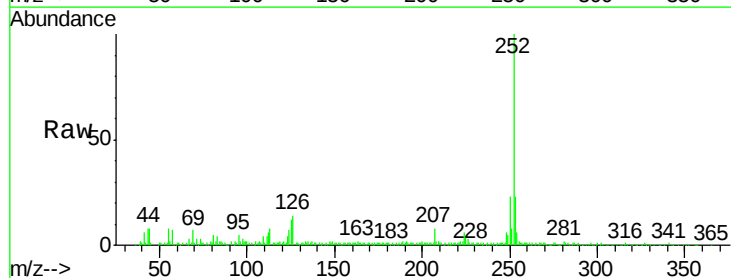
Delta R.T. -0.01 min

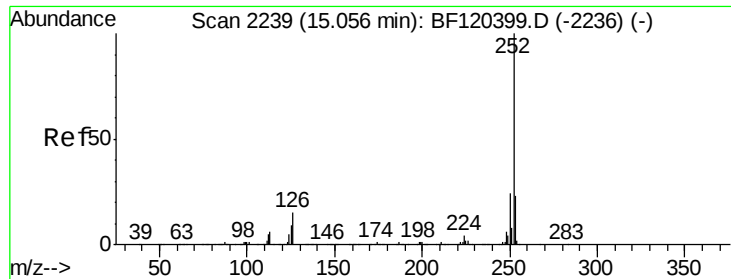
Lab File: BF120421.D

Acq: 28 May 2020 21:26

Tgt Ion:252 Resp: 189507

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	12.3	7.8	11.8

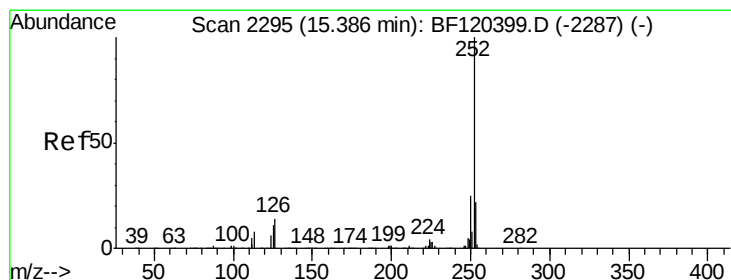
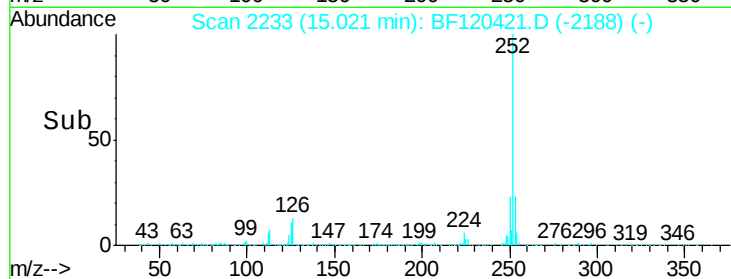
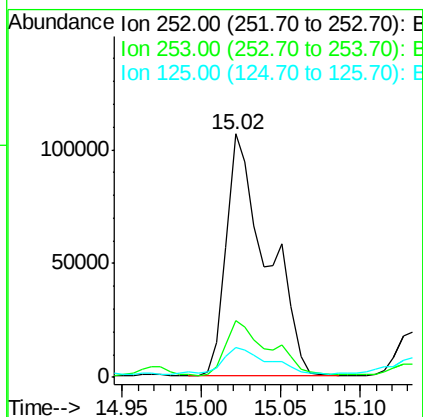
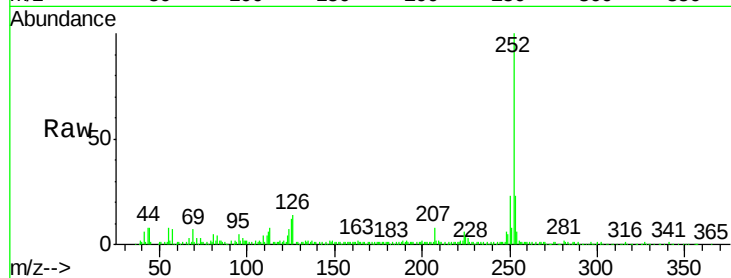




#89
Benzo(k)fluoranthene
Concen: 7.149 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

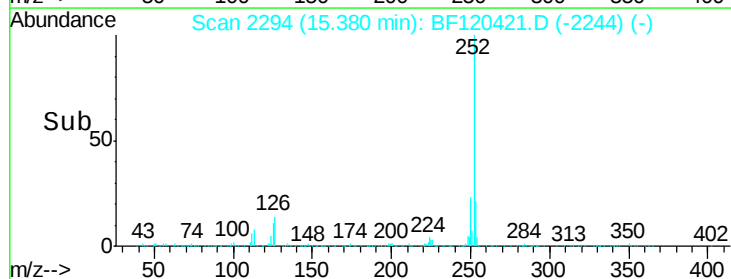
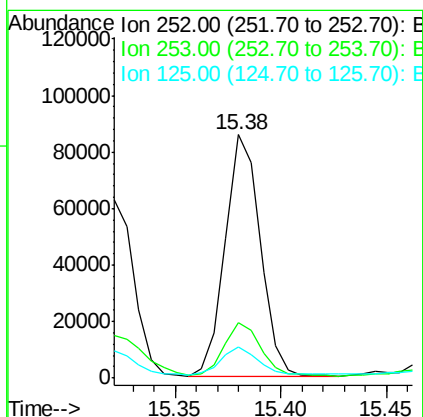
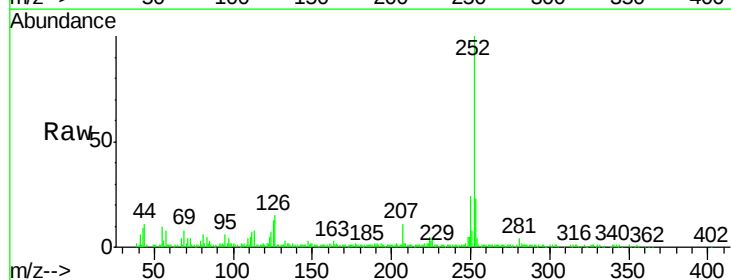
Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

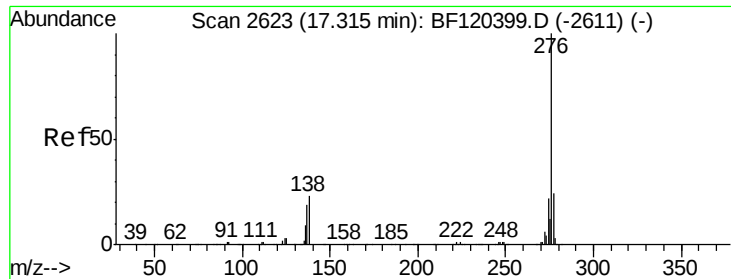
Tot Ion:252 Resp: 189507
Ion Ratio Lower Upper
252 100
253 23.4 18.5 27.7
125 12.3 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 3.967 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion:252 Resp: 98531
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.7 8.7 13.1

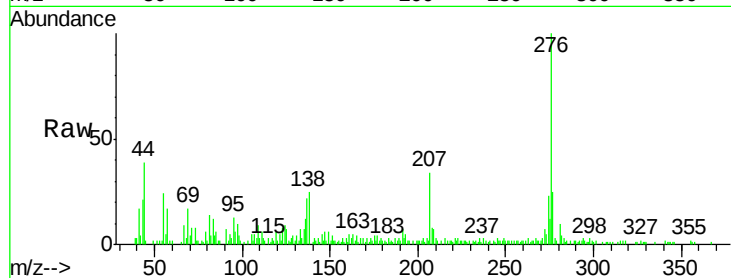




#92
 Benzo(a,h,i)perylene
 Concen: 2.410 ng
 RT: 17.32 min Scan# 2623
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 NM53-COMP-2020-0-6

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.5	19.5	29.3	
138	24.7	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

