

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120454.D
 Acq On : 29 May 2020 22:07
 Operator : MA/SJ
 Sample : L2773-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:41:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	286177	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1026301	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	473732	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	737150	20.00	ng	0.00
76) Chrysene-d12	13.99	240	563788	20.00	ng	0.00
86) Perylene-d12	15.44	264	572853	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1549569	103.19	ng	0.00
7) Phenol-d6	6.47	99	1941687	104.91	ng	0.00
23) Nitrobenzene-d5	7.40	82	1295539	82.57	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	468354	106.70	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2185440	78.27	ng	0.00
79) Terphenyl-d14	12.95	244	1884127	74.37	ng	0.00

Target Compounds

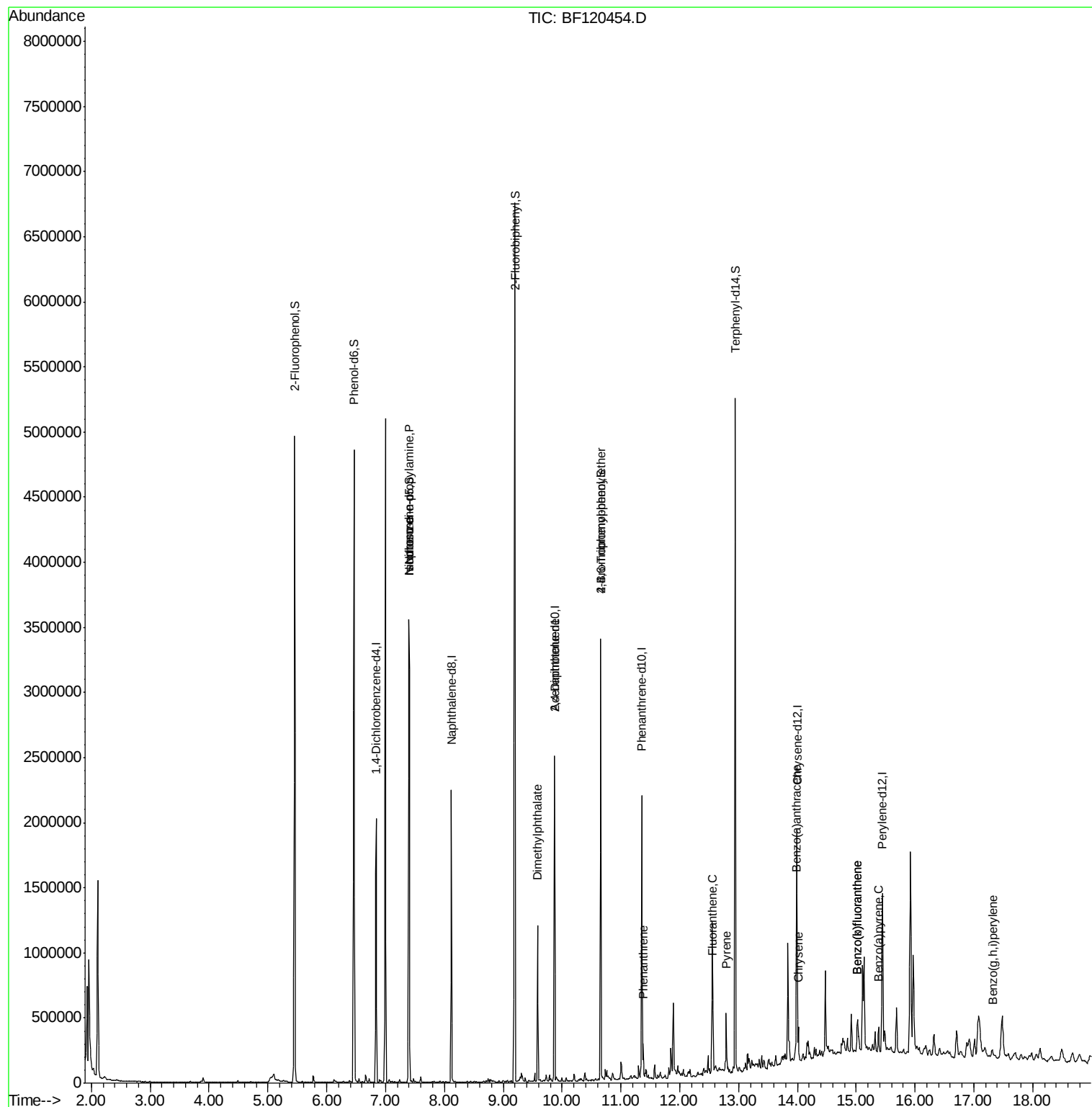
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	174525	14.834	ng	# 79
25) Isophorone	7.40	82	1288601	40.864	ng	# 64
50) Dimethylphthalate	9.59	163	419533	14.166	ng	99
57) 2,4-Dinitrotoluene	9.87	165	60781	7.216	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	28042	3.769	ng	# 1
71) Phenanthrene	11.38	178	86646	2.668	ng	97
75) Fluoranthene	12.57	202	194965	5.578	ng	95
78) Pyrene	12.79	202	179717	4.584	ng	98
81) Benzo(a)anthracene	13.98	228	101300	3.353	ng	95
83) Chrysene	14.02	228	99223	3.132	ng	95
88) Benzo(b)fluoranthene	15.02	252	180177	5.663	ng	# 96
89) Benzo(k)fluoranthene	15.02	252	180177	6.066	ng	# 97
90) Benzo(a)pyrene	15.38	252	92567	3.326	ng	98
92) Benzo(a,h,i)perylene	17.31	276	56750	2.253	ng	97

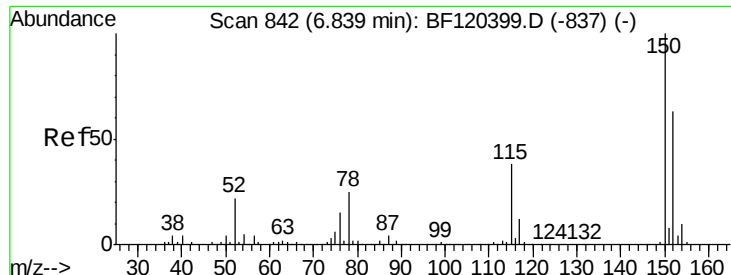
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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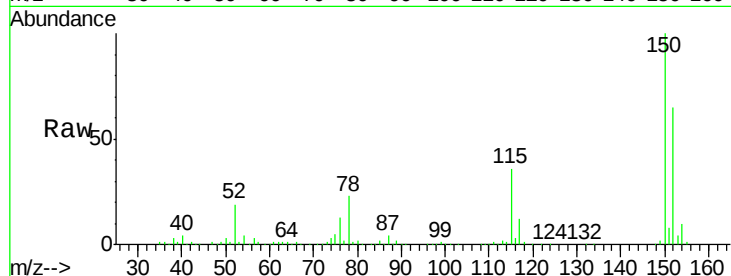


#1

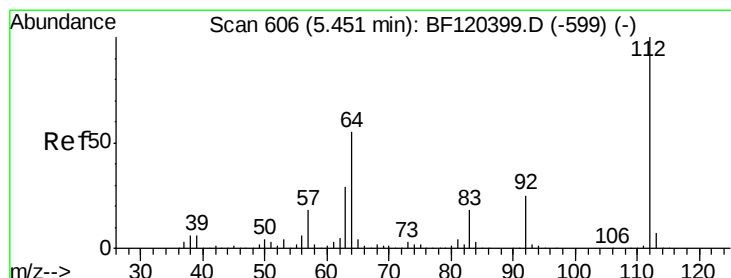
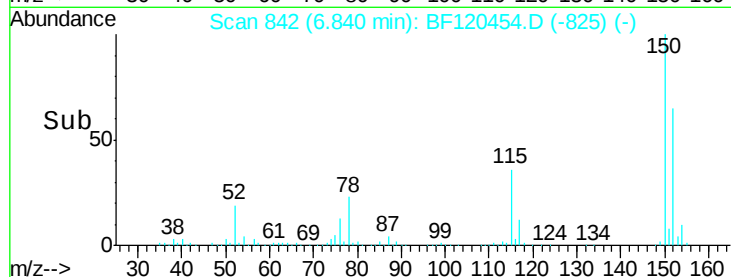
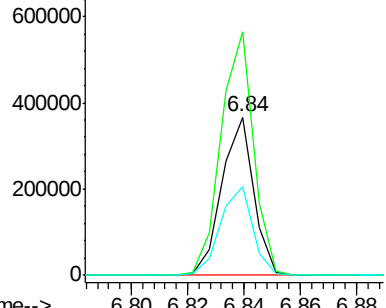
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 286177
Ion Ratio Lower Upper
152 100
150 154.2 126.5 189.7
115 55.9 47.6 71.4



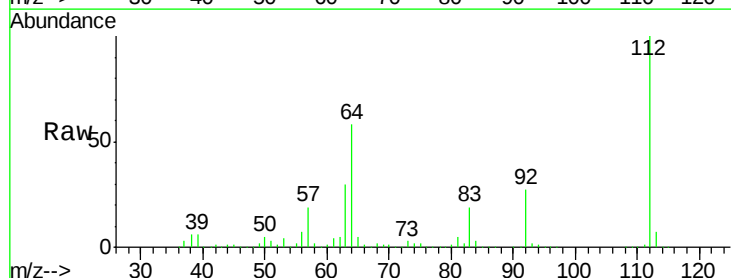
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



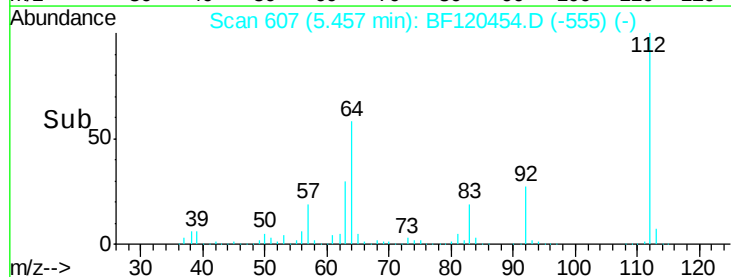
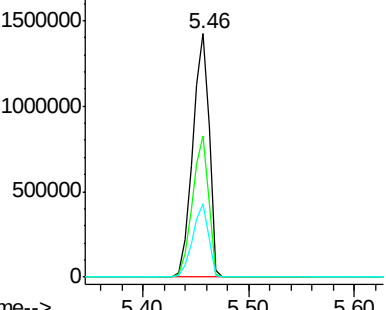
#5

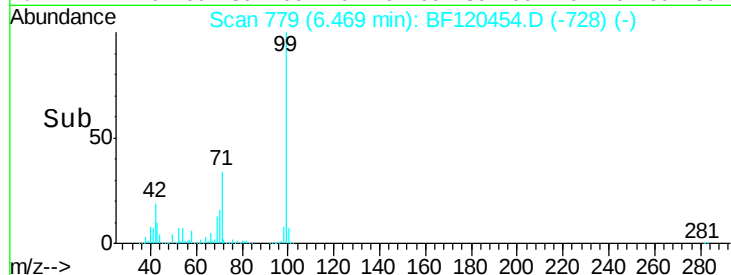
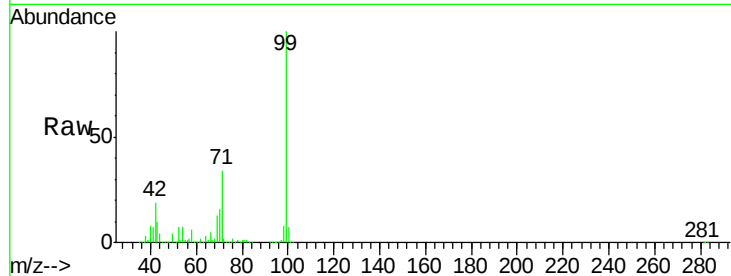
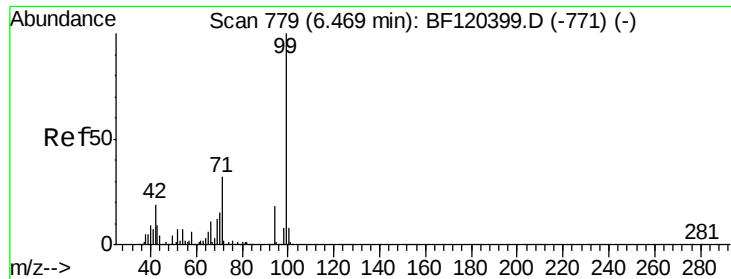
2-Fluorophenol
Concen: 103.191 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Tgt Ion:112 Resp: 1549569
Ion Ratio Lower Upper
112 100
64 57.8 44.3 66.5
63 30.4 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: 104.905 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

Instrument :

BNA_F

ClientSampleId :

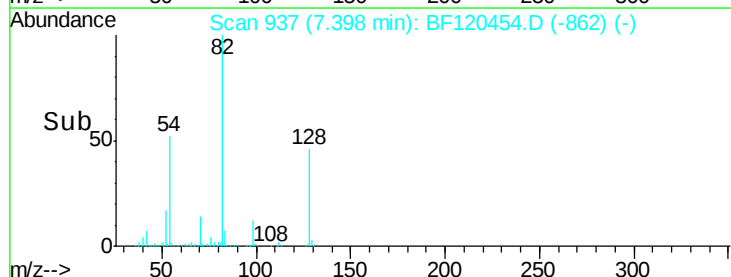
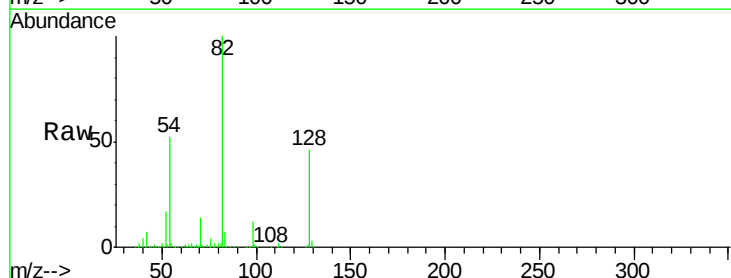
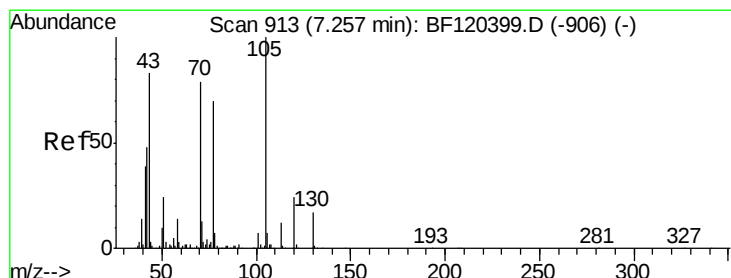
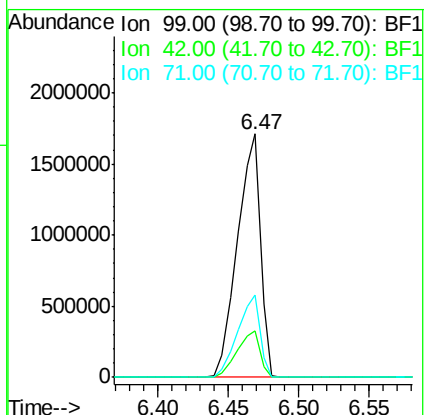
Tot Ion: 99 Resp: 1941687

Ion Ratio Lower Upper

99 100

42 19.3 15.2 22.8

71 33.6 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.834 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

Tgt Ion: 70 Resp: 174525

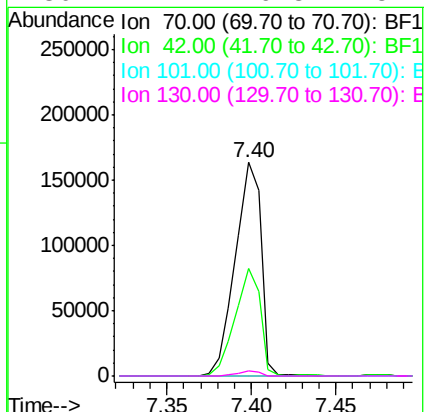
Ion Ratio Lower Upper

70 100

42 50.4 48.9 73.3

101 0.0 7.4 11.2#

130 2.4 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: BF120454.D

Acq: 29 May 2020 22:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1026301

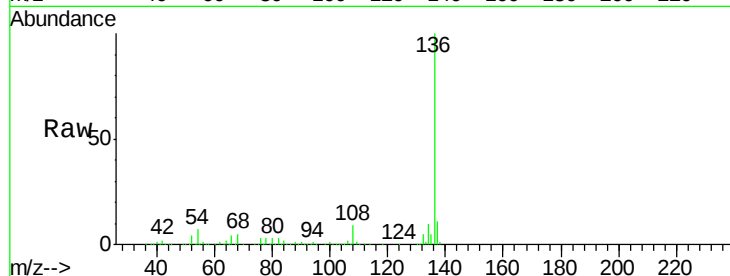
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.1 6.7 10.1

68 5.5 5.0 7.4

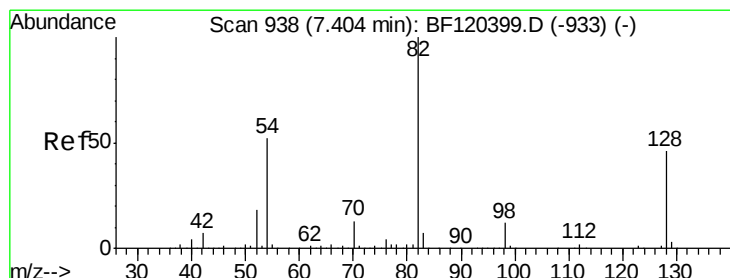
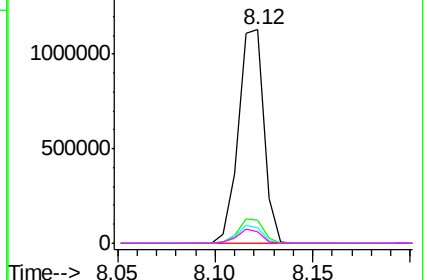
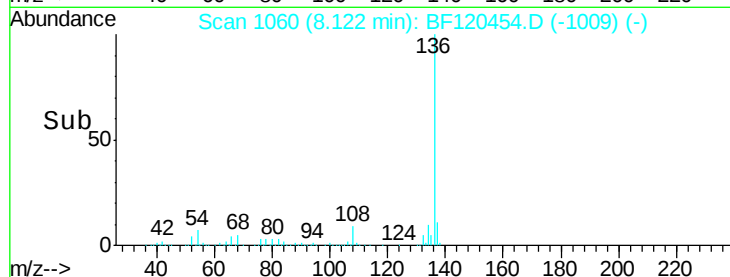


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.573 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

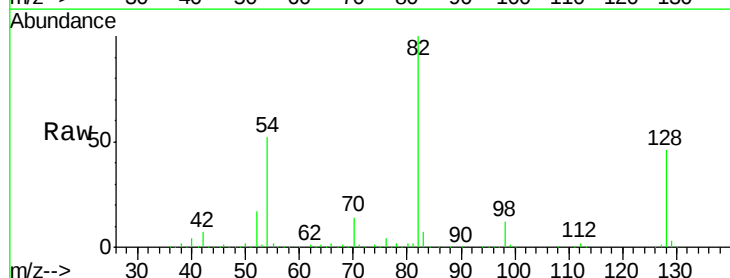
Tgt Ion: 82 Resp: 1295539

Ion Ratio Lower Upper

82 100

128 46.0 36.8 55.2

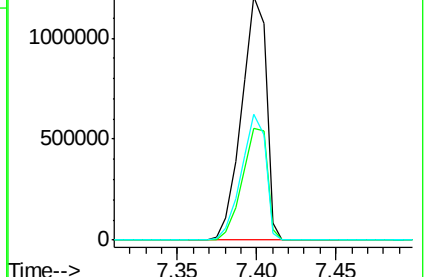
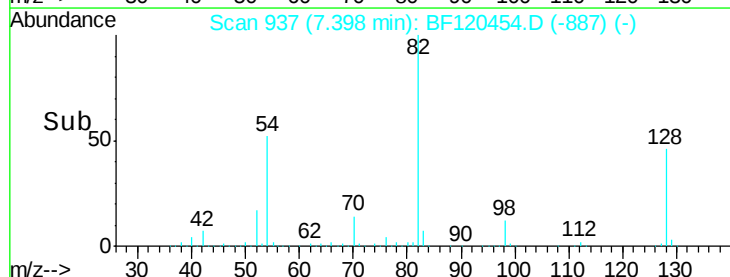
54 51.8 41.6 62.4



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: 40.864 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

Instrument :

BNA_F

ClientSampleId :

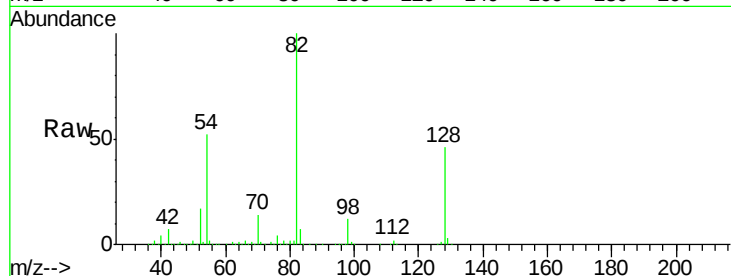
Tot Ion: 82 Resp: 1288601

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

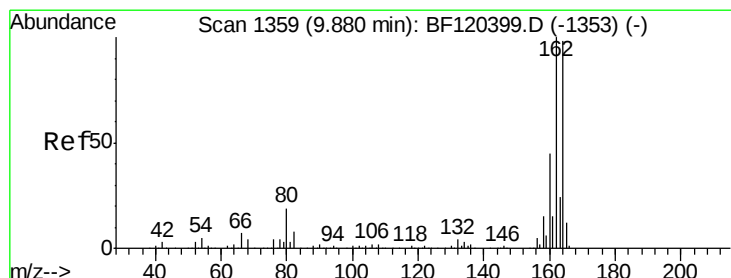
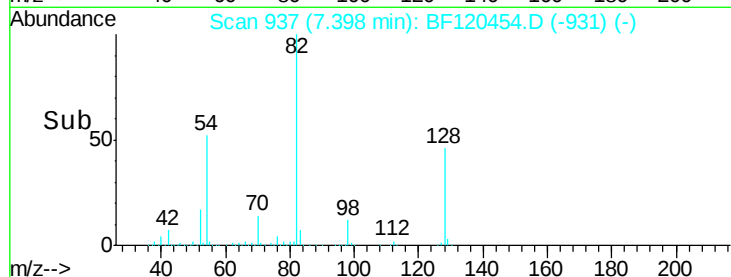
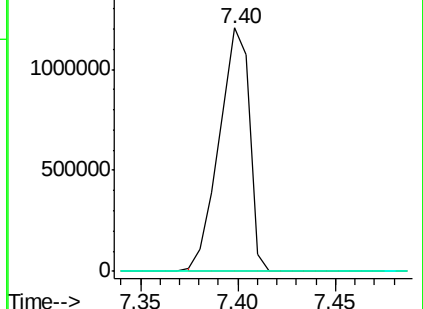
138 0.0 15.0 22.4#



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. 0.00 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

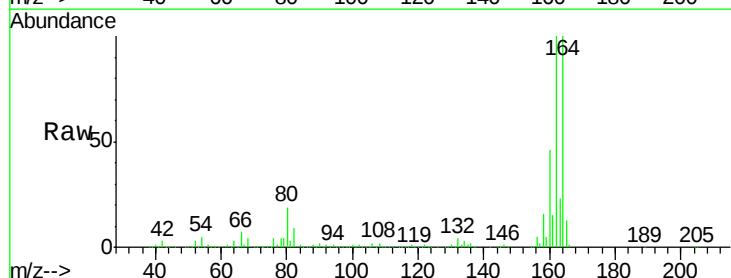
Tgt Ion:164 Resp: 473732

Ion Ratio Lower Upper

164 100

162 100.4 81.3 121.9

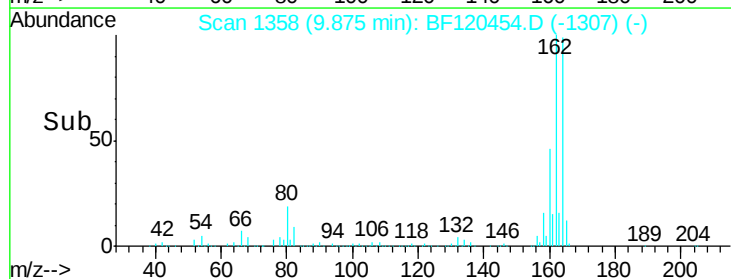
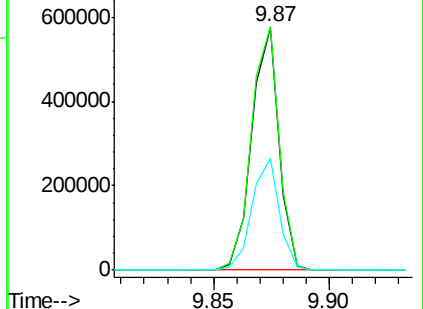
160 46.3 36.9 55.3



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: 106.703 ng

RT: 10.66 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

Instrument :

BNA_F

ClientSampleId :

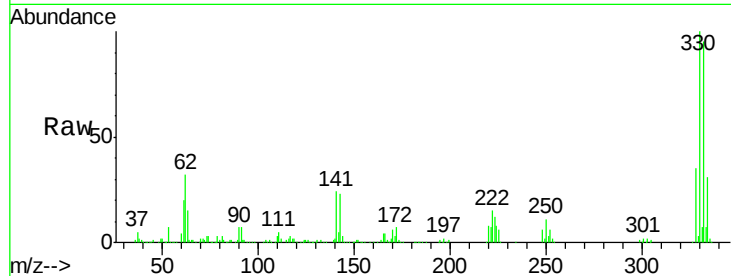
Tot Ion:330 Resp: 468354

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

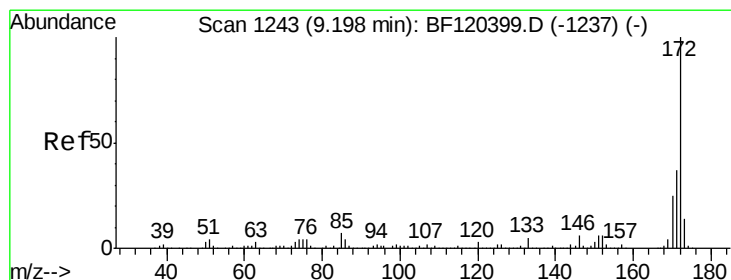
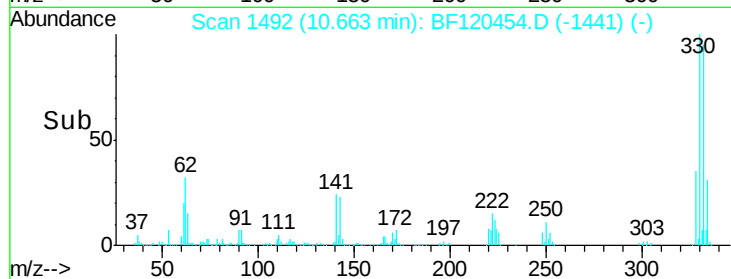
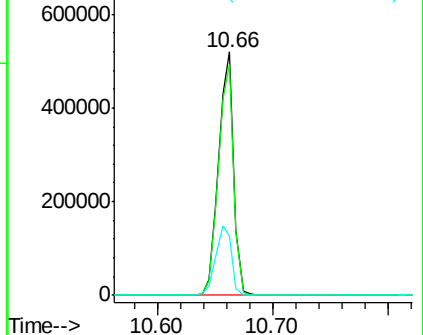
141 30.0 25.3 37.9



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: 78.273 ng

RT: 9.20 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

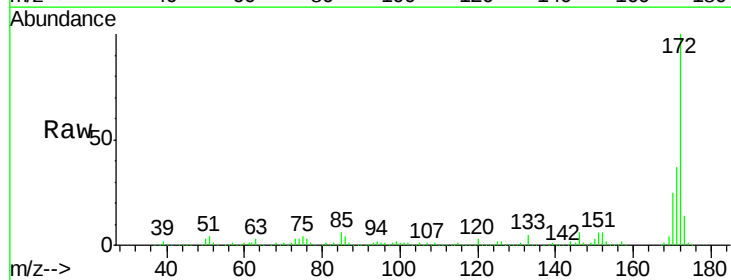
Tgt Ion:172 Resp: 2185440

Ion Ratio Lower Upper

172 100

171 37.1 29.7 44.5

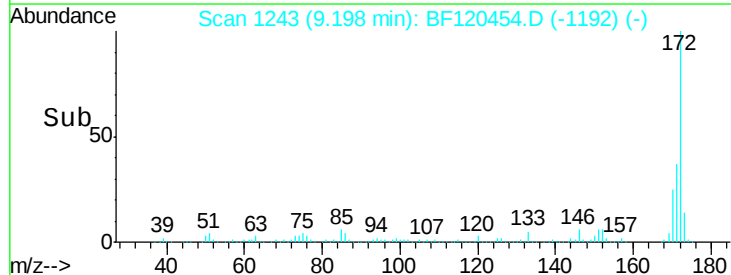
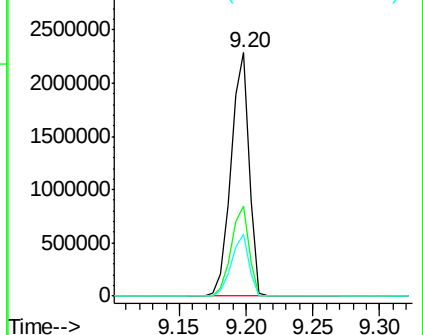
170 25.2 19.9 29.9

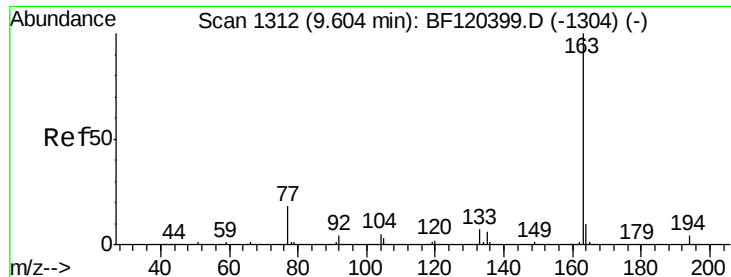


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

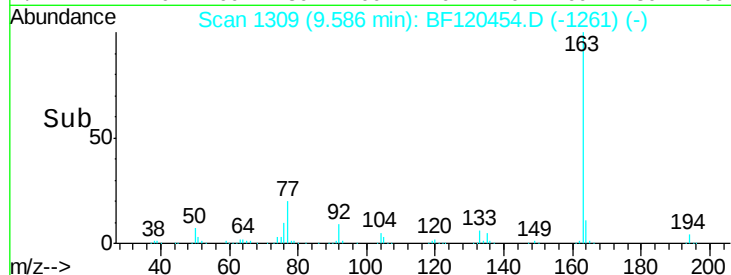
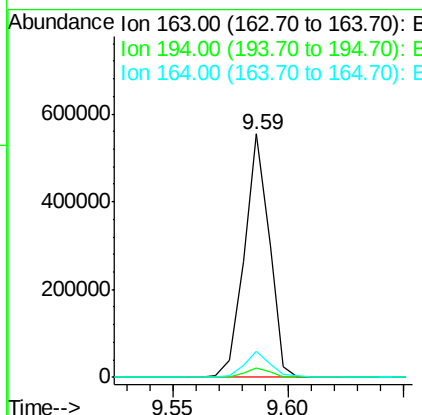
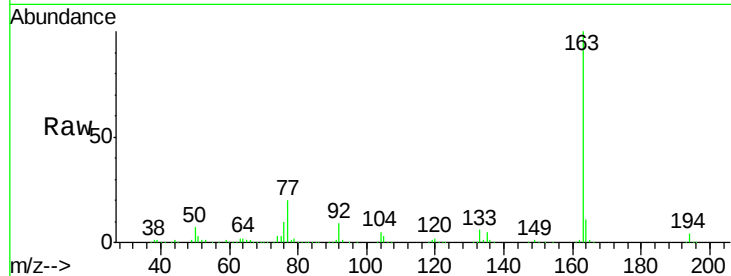




#50
Dimethylphthalate
Concen: 14.166 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

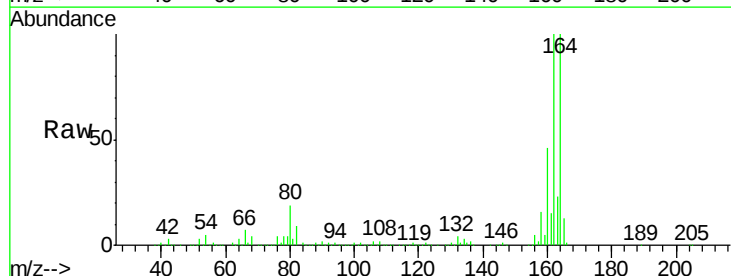
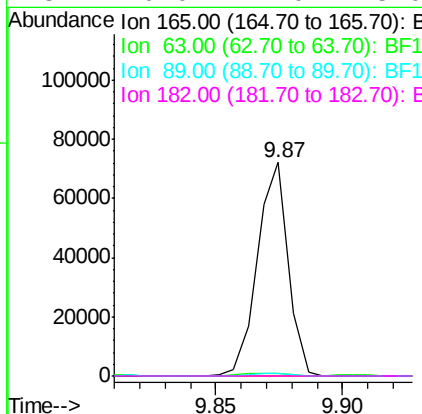
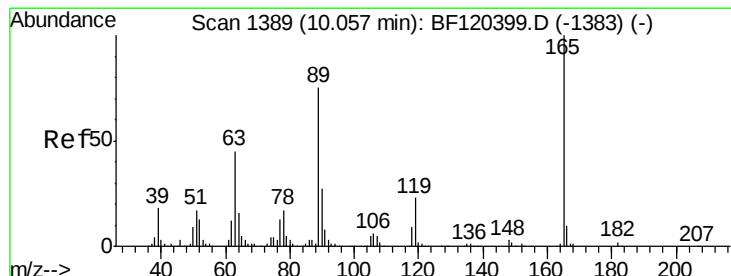
Instrument :
BNA_F
ClientSampleId :

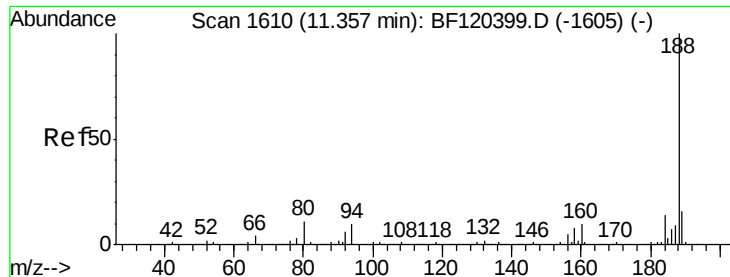
Tot Ion:163 Resp: 419533
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.6 8.3 12.5



#57
2,4-Dinitrotoluene
Concen: 7.216 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Tgt Ion:165 Resp: 60781
Ion Ratio Lower Upper
165 100
63 1.2 35.9 53.9#
89 1.4 60.0 90.0#
182 0.0 2.0 3.0#

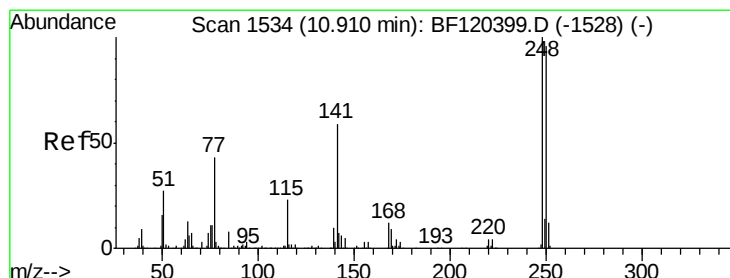
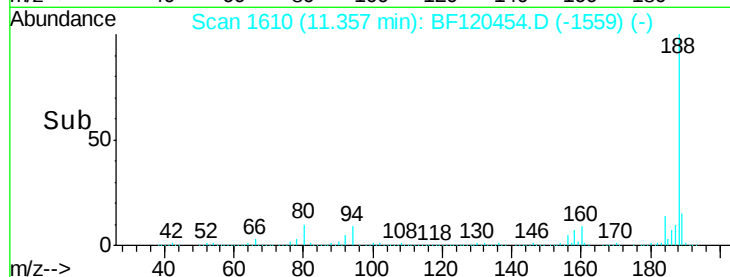
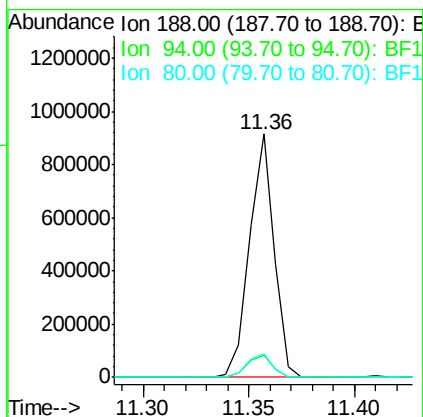
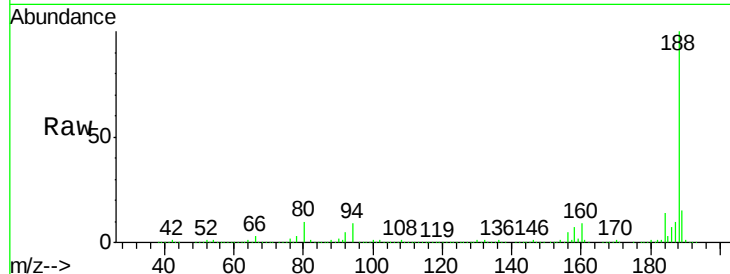




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

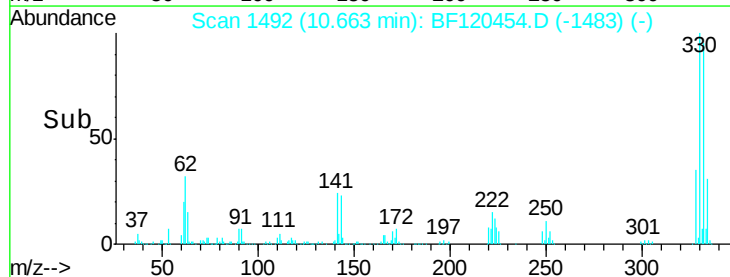
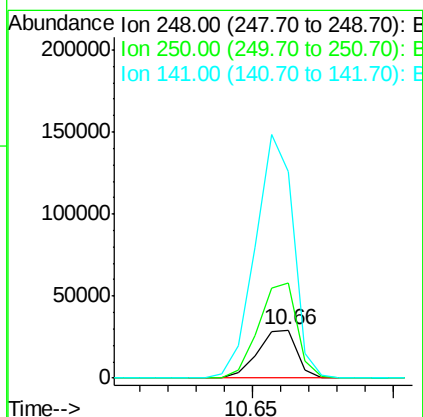
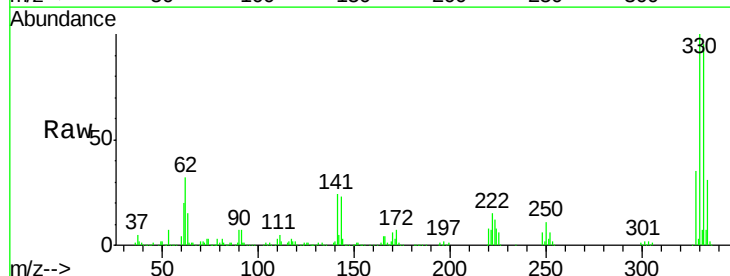
Instrument :
BNA_F
ClientSampleId :

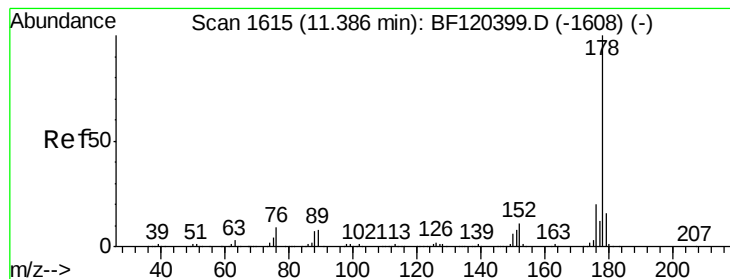
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.9	11.9
80	9.6	8.6	13.0



#67
4-Bromophenyl-phenylether
Concen: 3.769 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	197.1	76.5	114.7#
141	431.1	47.2	70.8#





#71

Phenanthrene

Concen: 2.668 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

Instrument :

BNA_F

ClientSampleId :

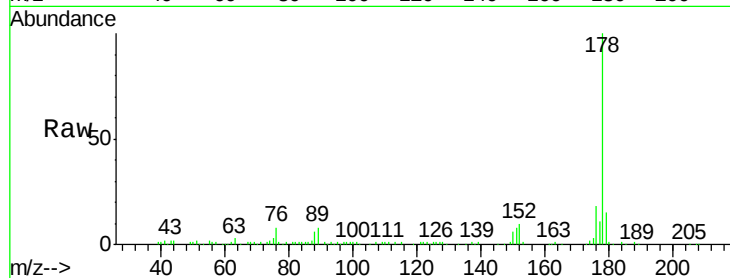
Tot Ion:178 Resp: 86646

Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

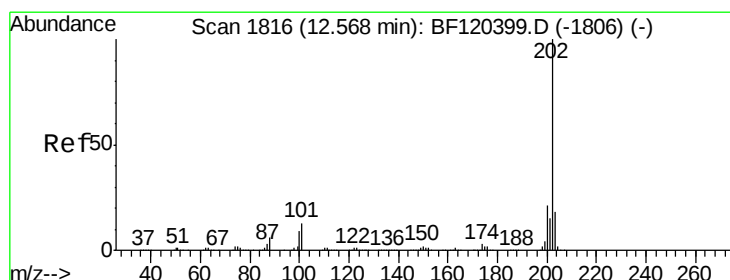
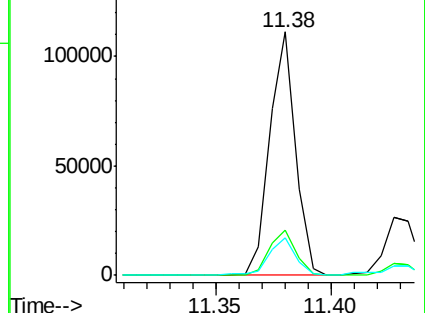
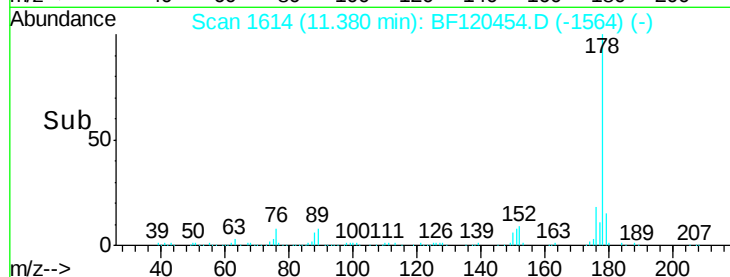
179 15.2 13.0 19.4



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: 5.578 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

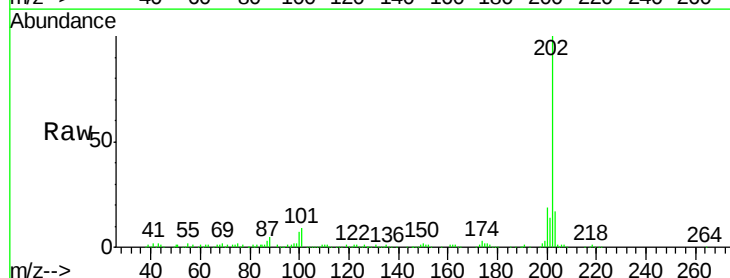
Tgt Ion:202 Resp: 194965

Ion Ratio Lower Upper

202 100

101 9.4 0.0 32.6

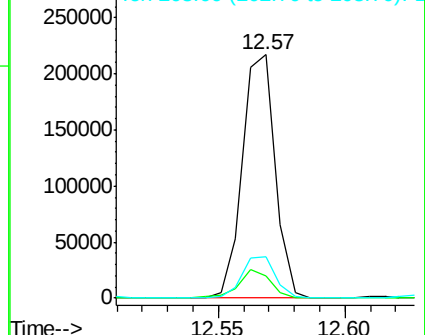
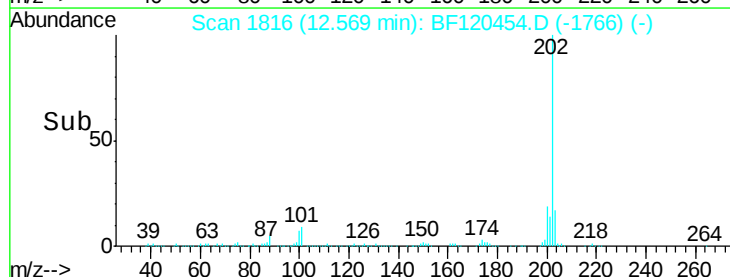
203 17.0 0.0 38.4

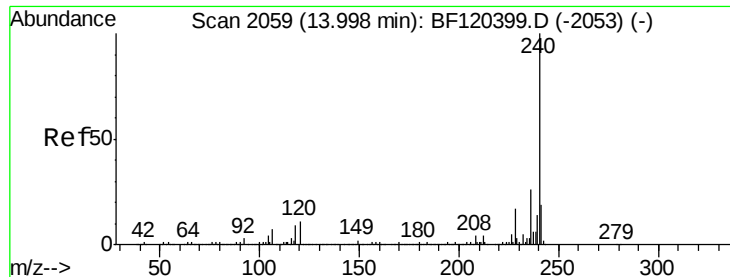


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

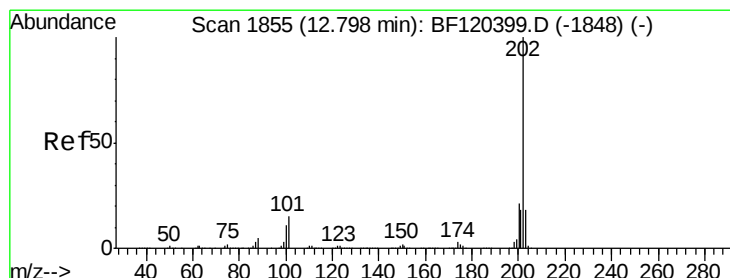
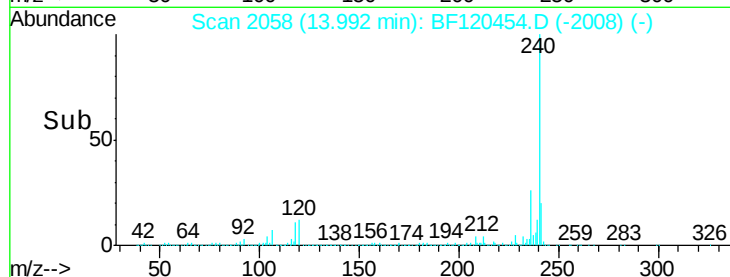
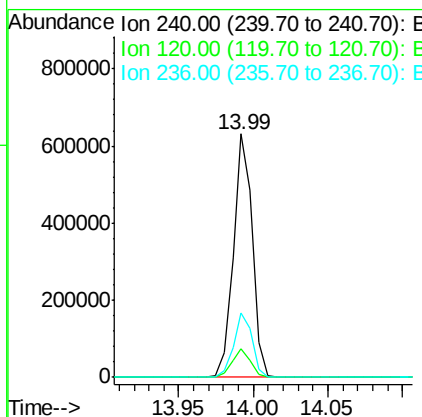
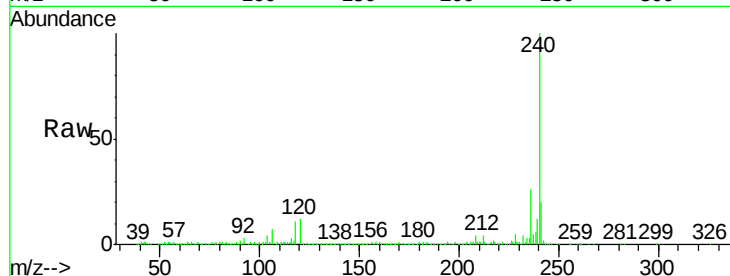




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

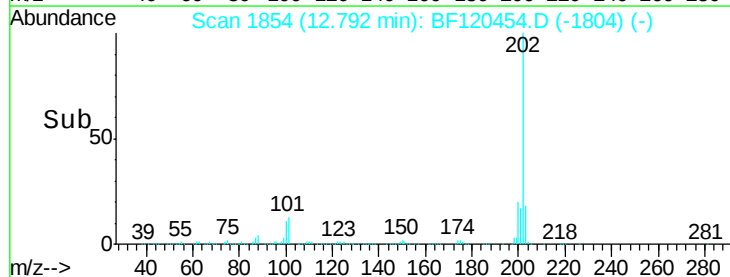
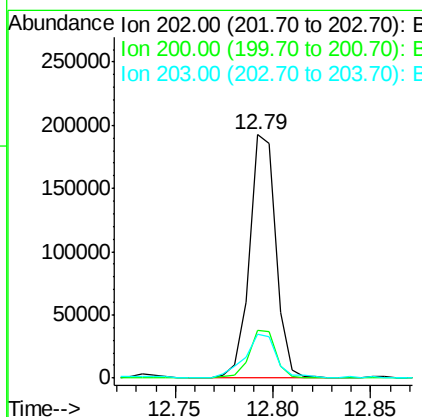
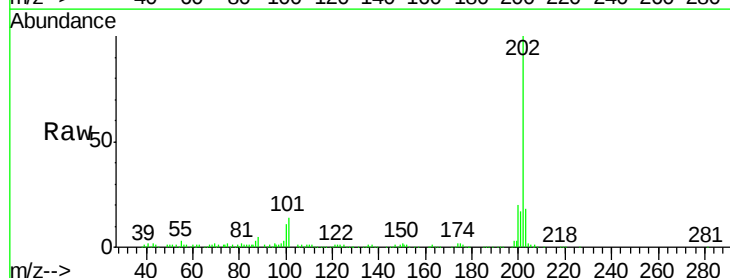
Instrument :
BNA_F
ClientSampleId :

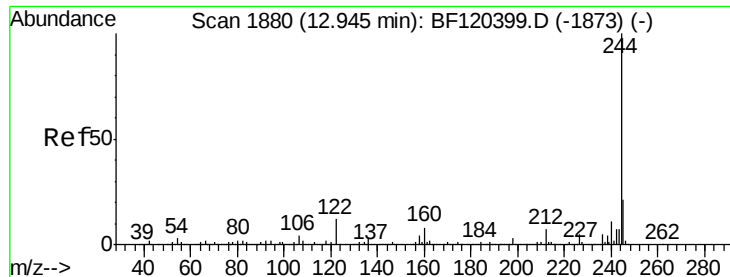
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.8	13.2
236	26.4	21.0	31.4



#78
Pyrene
Concen: 4.584 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.4
203	18.1	14.7	22.1





#79

Terphenyl-d14

Concen: 74.365 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

Instrument :

BNA_F

ClientSampleId :

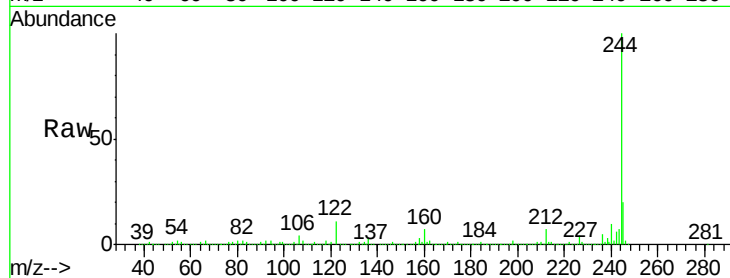
Tot Ion:244 Resp: 1884127

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

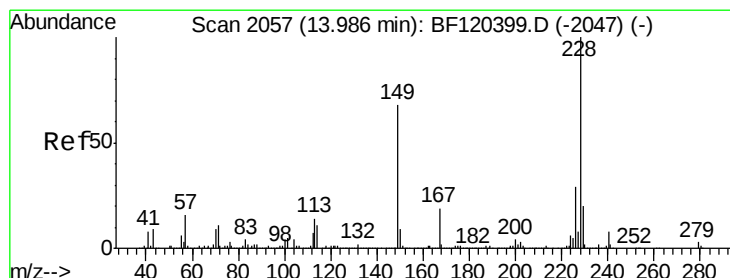
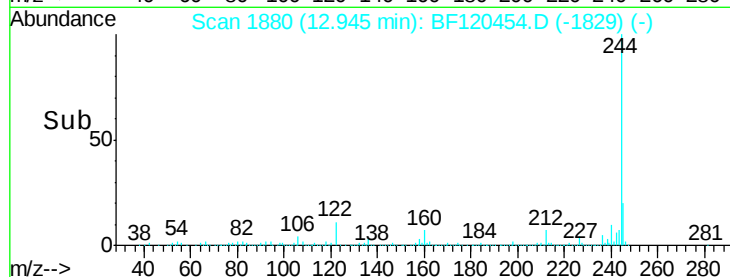
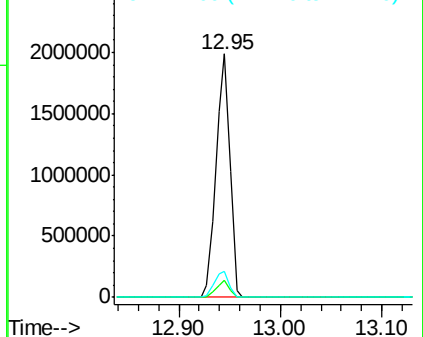
122 10.8 9.2 13.8



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: 3.353 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120454.D

Acq: 29 May 2020 22:07

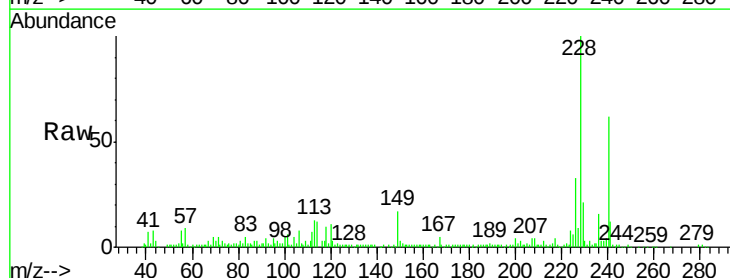
Tgt Ion:228 Resp: 101300

Ion Ratio Lower Upper

228 100

226 33.0 23.0 34.4

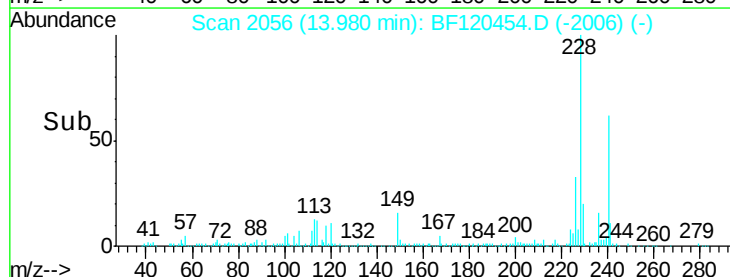
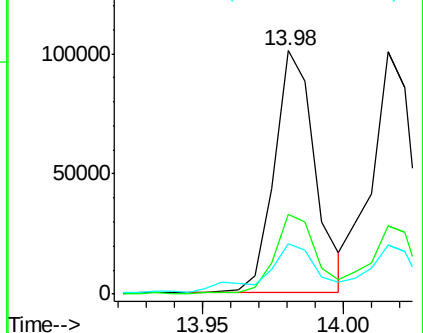
229 20.6 16.2 24.4

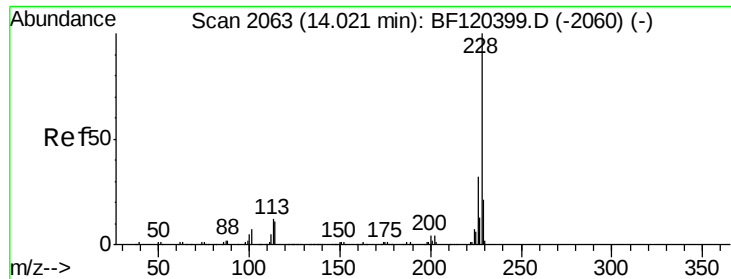


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

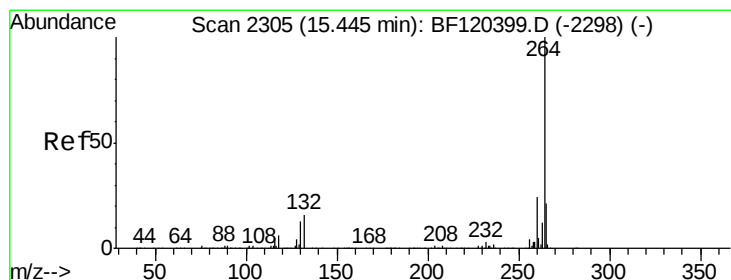
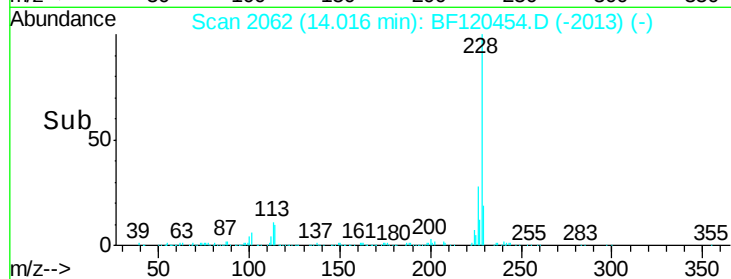
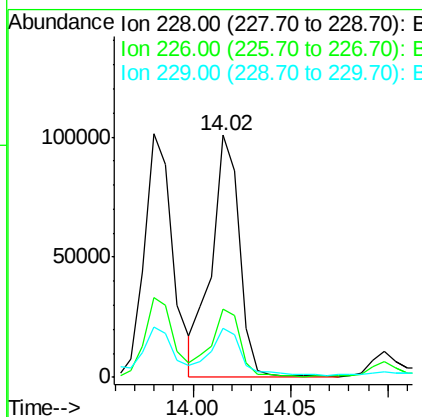
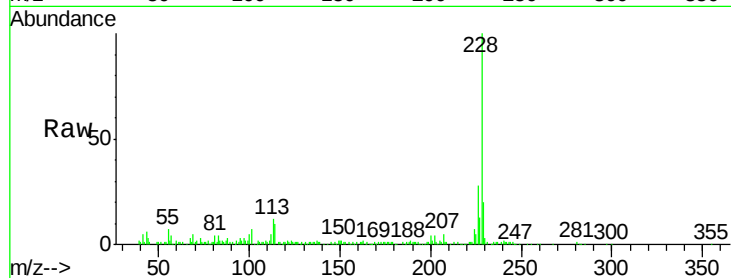




#83
Chrysene
Concen: 3.132 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

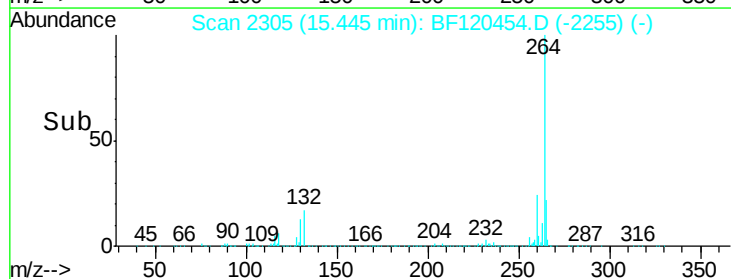
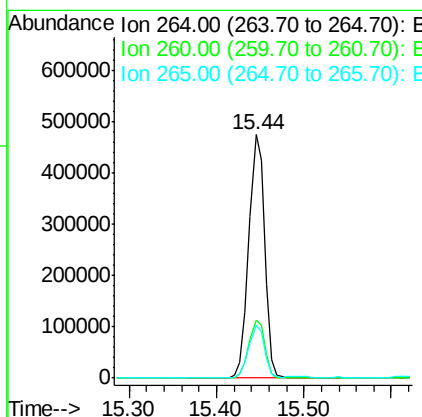
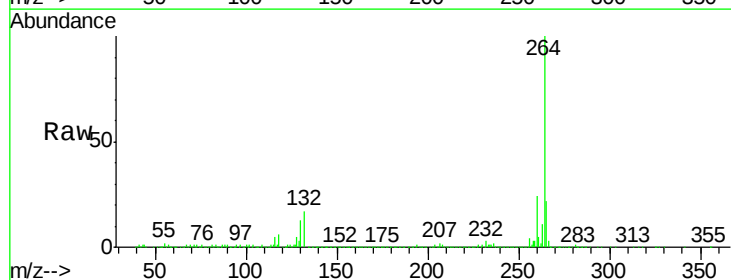
Instrument :
BNA_F
ClientSampleId :

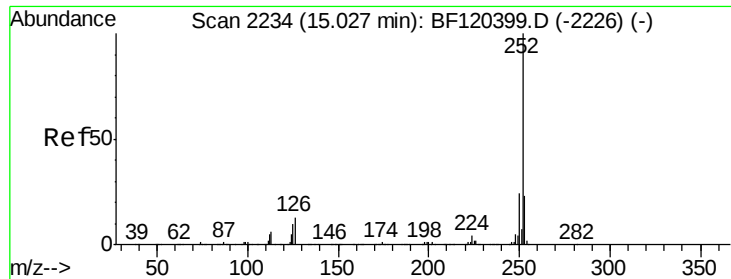
Tot Ion:228 Resp: 99223
Ion Ratio Lower Upper
228 100
226 28.3 25.6 38.4
229 20.1 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Tgt Ion:264 Resp: 572853
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.0 16.9 25.3

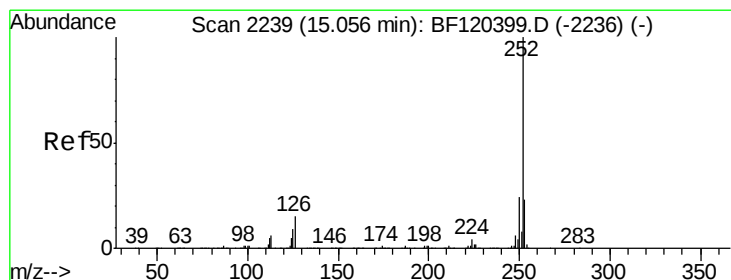
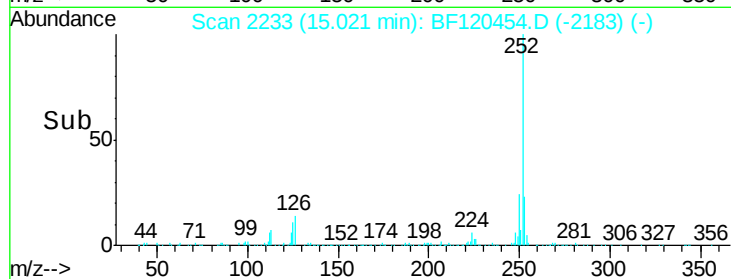
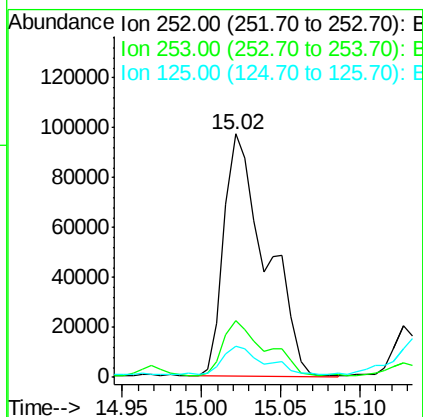
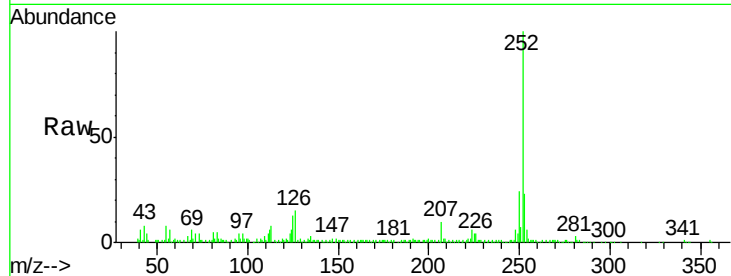




#88
Benzo(b)fluoranthene
Concen: 5.663 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

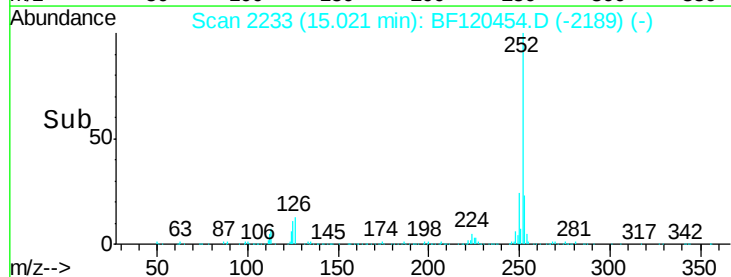
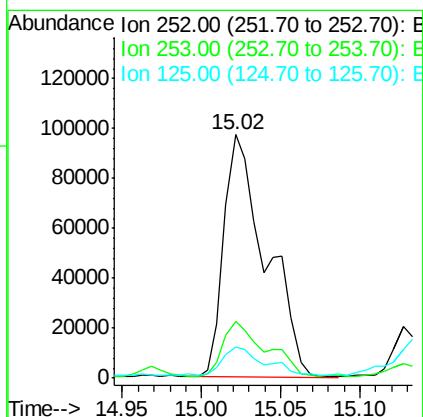
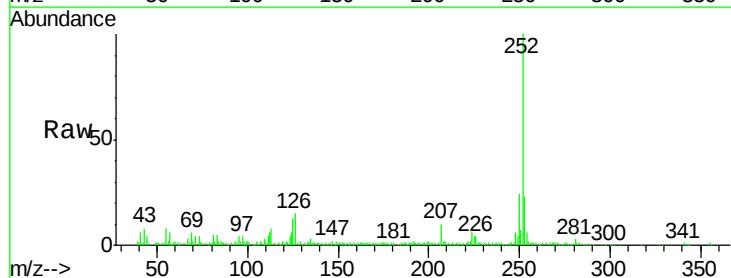
Instrument :
BNA_F
ClientSampleId :

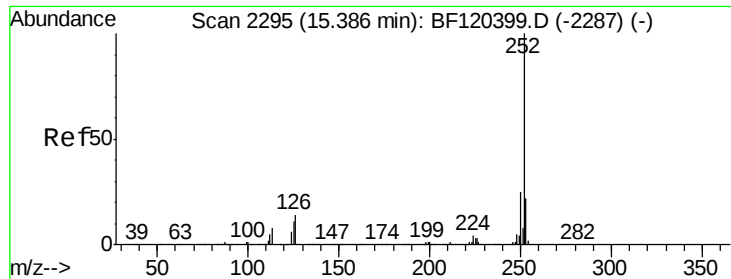
Tot Ion:252 Resp: 180177
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 12.7 7.8 11.8#



#89
Benzo(k)fluoranthene
Concen: 6.066 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Tgt Ion:252 Resp: 180177
Ion Ratio Lower Upper
252 100
253 23.4 18.5 27.7
125 12.7 8.0 12.0#

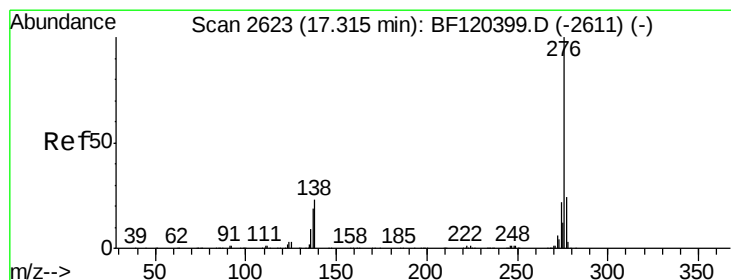
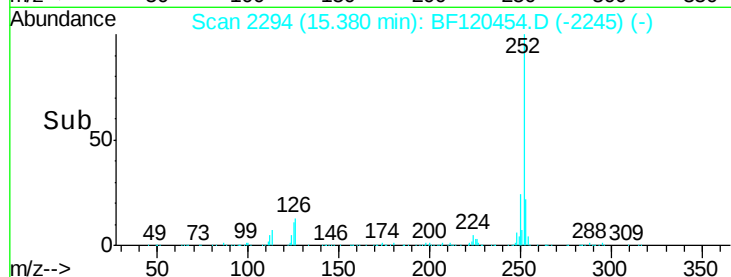
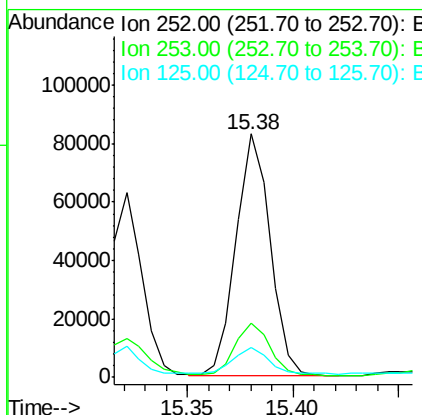
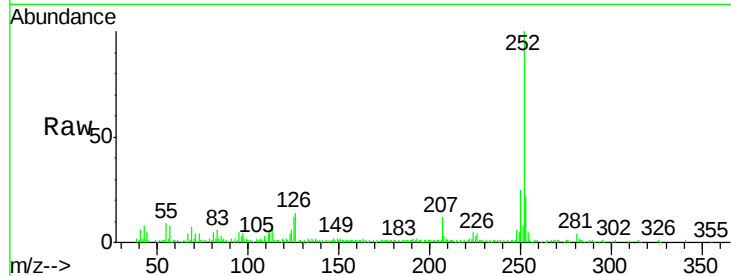




#90
Benzo(a)pyrene
Concen: 3.326 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 92567
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 12.1 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 2.253 ng
RT: 17.31 min Scan# 2622
Delta R.T. -0.02 min
Lab File: BF120454.D
Acq: 29 May 2020 22:07

Tgt Ion:276 Resp: 56750
Ion Ratio Lower Upper
276 100
277 22.5 19.5 29.3
138 21.3 18.1 27.1

