

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120453.D
 Acq On : 29 May 2020 21:39
 Operator : MA/SJ
 Sample : L2773-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:40:57 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	290247	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1043207	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	491012	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	753535	20.00	ng	0.00
76) Chrysene-d12	13.99	240	541886	20.00	ng	0.00
86) Perylene-d12	15.44	264	558294	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1631185	107.10	ng	0.00
7) Phenol-d6	6.47	99	2080143	110.81	ng	0.00
23) Nitrobenzene-d5	7.40	82	1456178	91.31	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	522164	114.78	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2447907	84.59	ng	0.00
79) Terphenyl-d14	12.94	244	2012422	82.64	ng	0.00

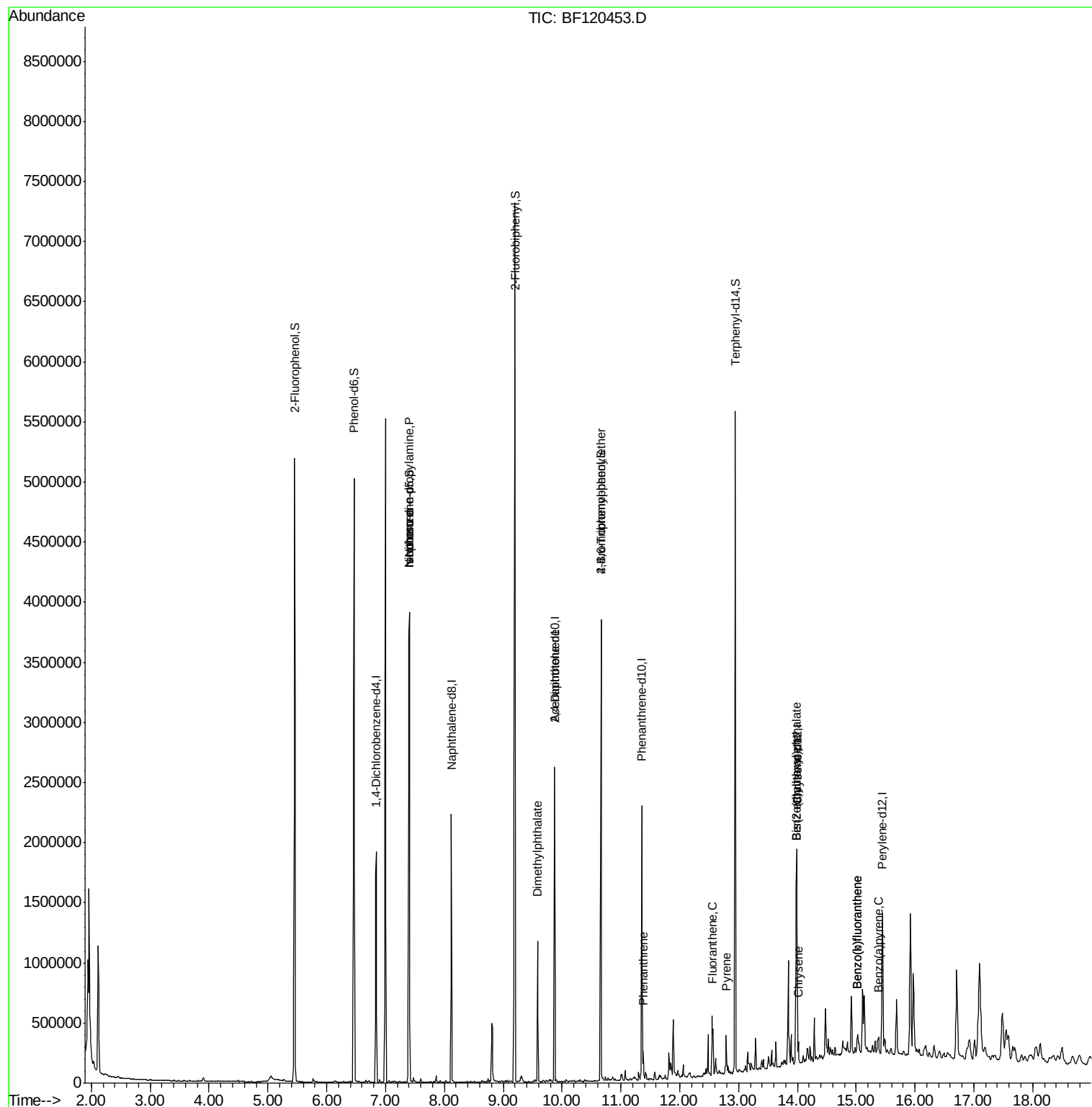
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	197372	16.540	ng	# 78
25) Isophorone	7.40	82	1447711	45.166	ng	# 64
50) Dimethylphthalate	9.59	163	402037	13.097	ng	99
57) 2,4-Dinitrotoluene	9.87	165	63091	7.226	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	31416	4.130	ng	# 1
71) Phenanthrene	11.38	178	81668	2.460	ng	99
75) Fluoranthene	12.57	202	150189	4.204	ng	96
78) Pyrene	12.79	202	133012	3.530	ng	97
81) Benzo(a)anthracene	13.98	228	69490	2.393	ng	100
83) Chrysene	14.02	228	65489	2.151	ng	96
84) Bis(2-ethylhexyl)phthalate	13.98	149	282418	15.292	ng	99
88) Benzo(b)fluoranthene	15.02	252	120340	3.881	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	120340	4.157	ng	# 96
90) Benzo(a)pyrene	15.38	252	62443	2.302	ng	# 96

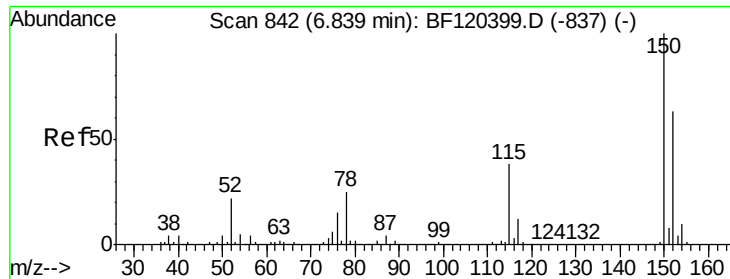
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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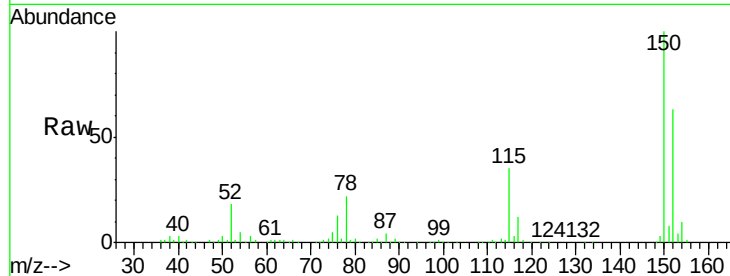


#1

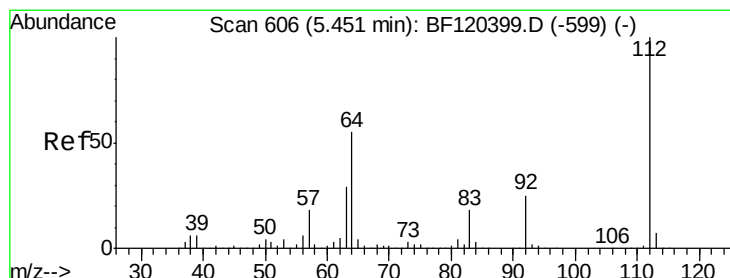
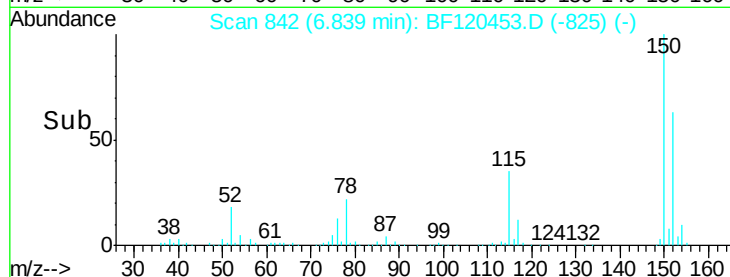
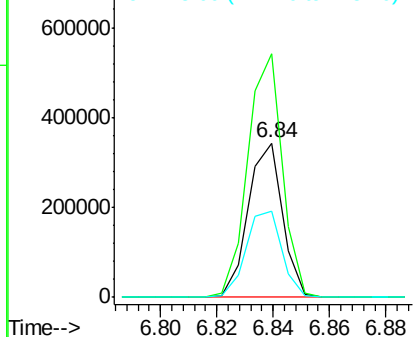
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.5	189.7
115	56.0	47.6	71.4



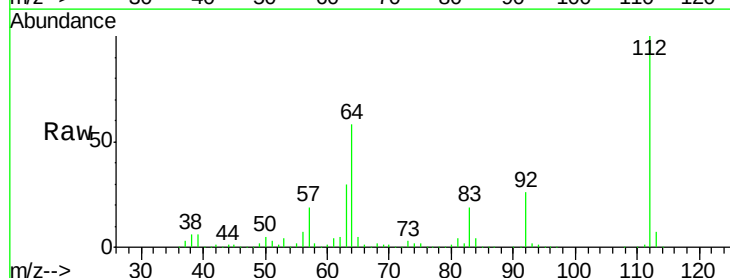
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



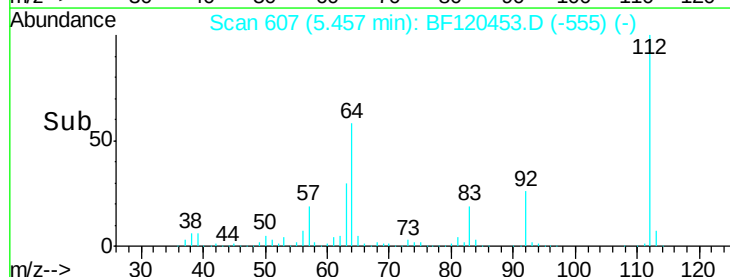
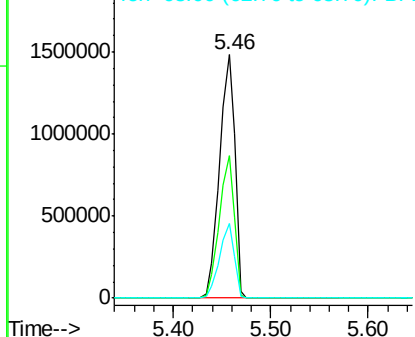
#5

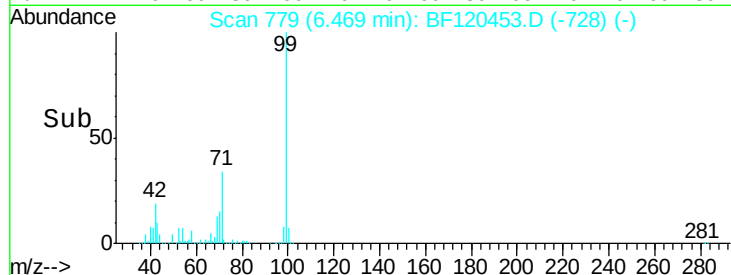
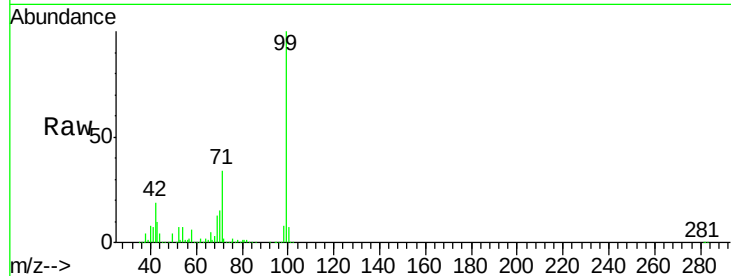
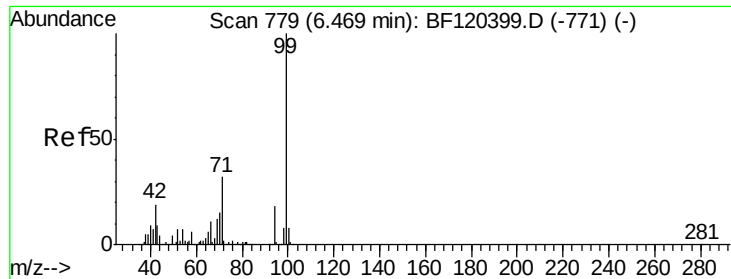
2-Fluorophenol
Concen: 107.103 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	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: 110.810 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampleId :

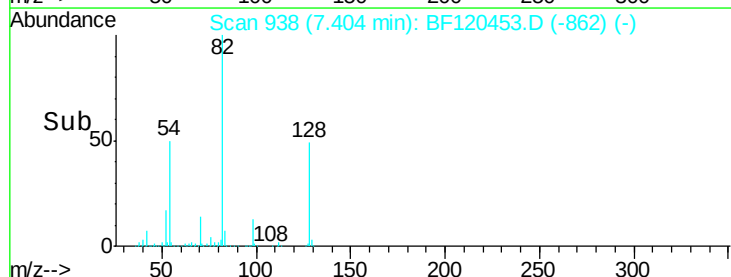
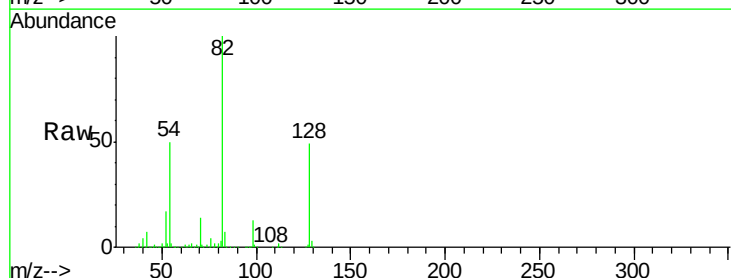
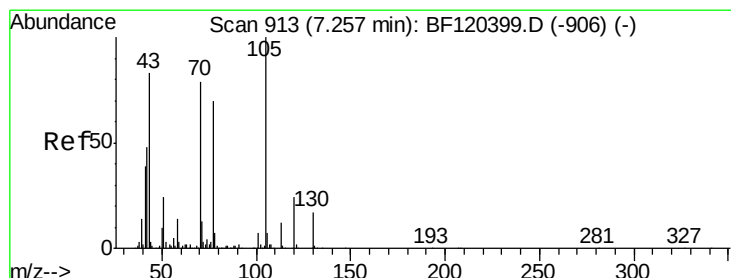
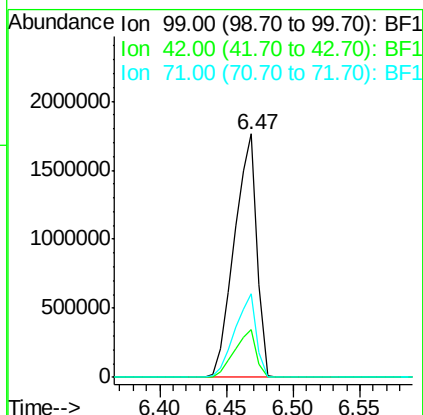
Tot Ion: 99 Resp: 2080143

Ion Ratio Lower Upper

99 100

42 19.4 15.2 22.8

71 34.3 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.540 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Tgt Ion: 70 Resp: 197372

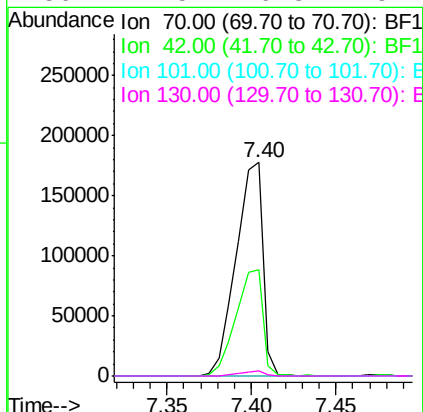
Ion Ratio Lower Upper

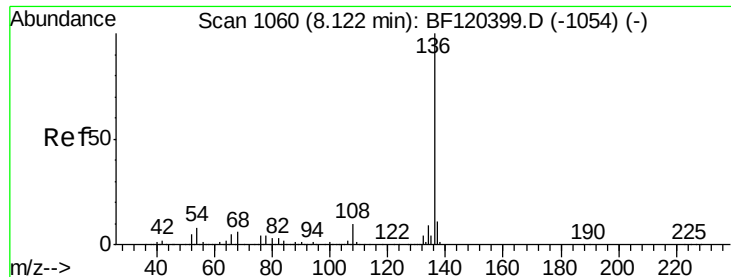
70 100

42 49.5 48.9 73.3

101 0.0 7.4 11.2#

130 2.5 16.8 25.2#



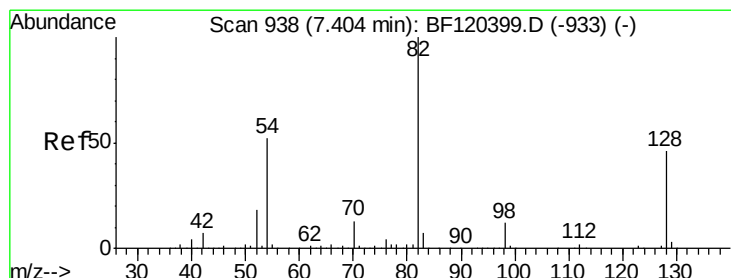
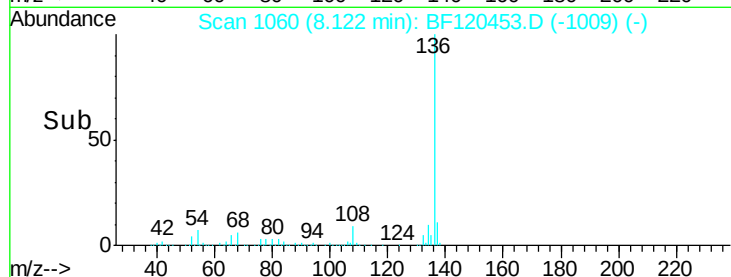
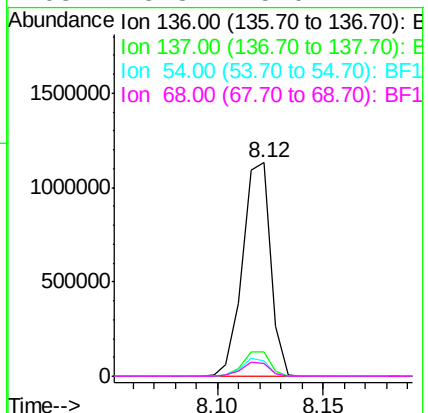
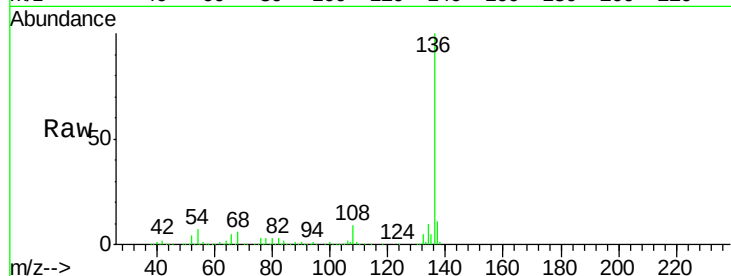


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1043207

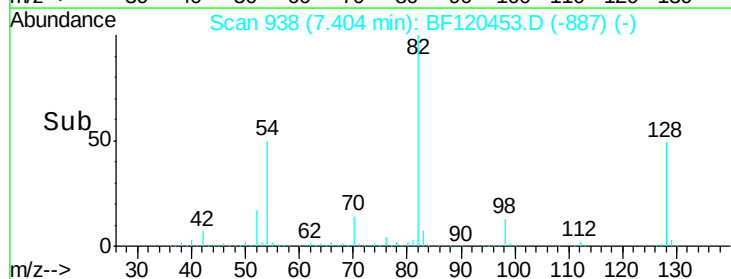
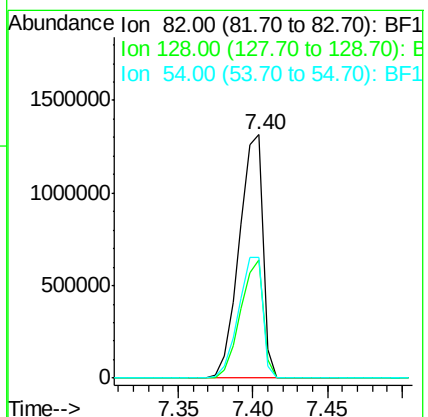
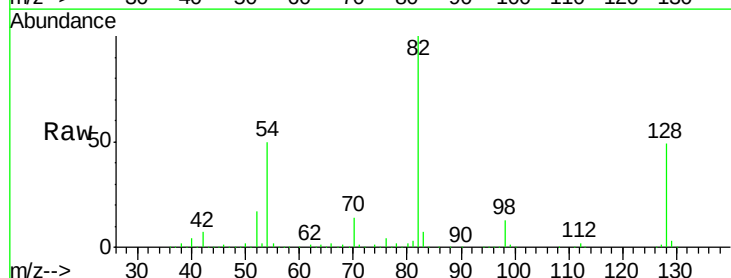
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.2	6.7	10.1
68	5.8	5.0	7.4

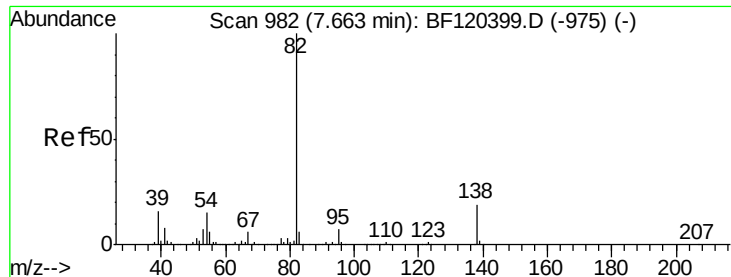


#23
Nitrobenzene-d5
Concen: 91.308 ng
RT: 7.40 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

Tgt Ion: 82 Resp: 1456178

Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.8	55.2
54	49.7	41.6	62.4





#25

Isophorone

Concen: 45.166 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampleId :

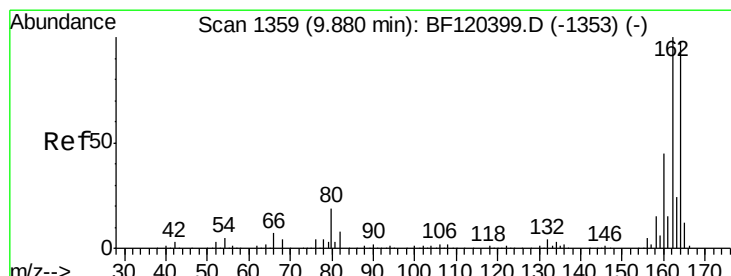
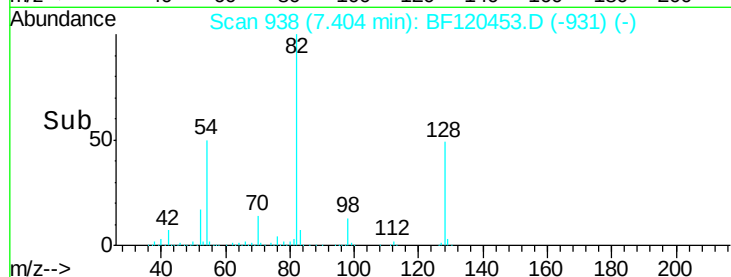
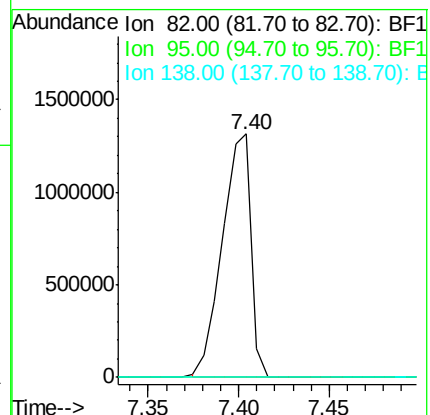
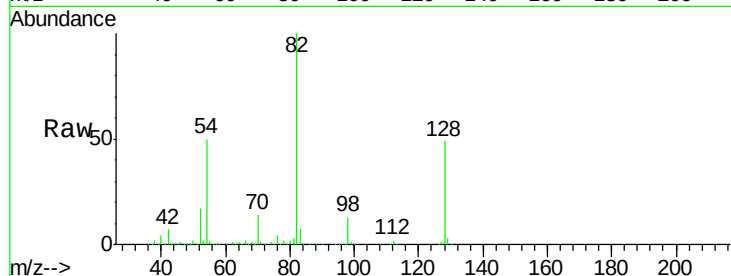
Tot Ion: 82 Resp: 1447711

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

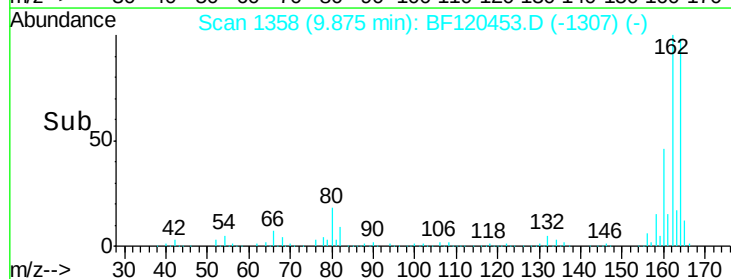
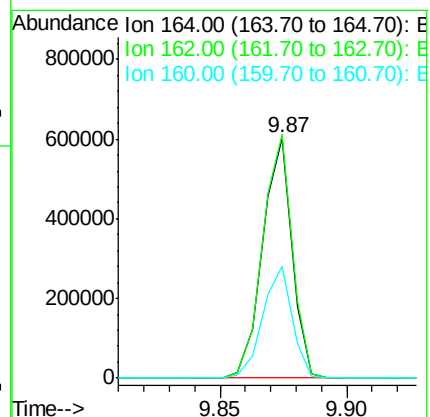
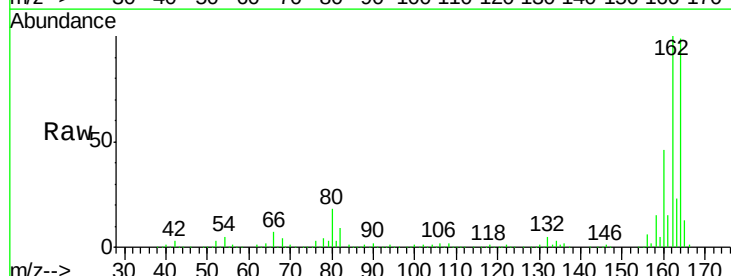
Tgt Ion: 164 Resp: 491012

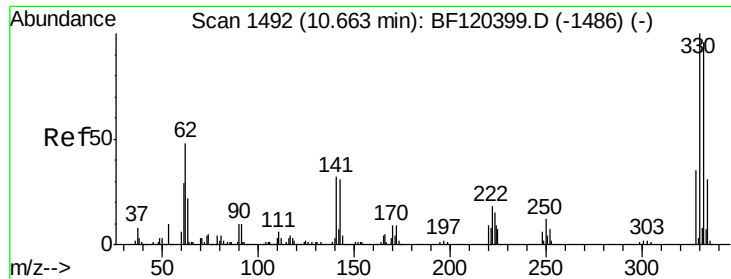
Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

160 46.5 36.9 55.3

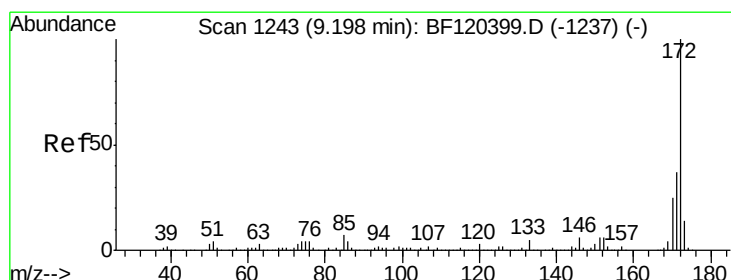
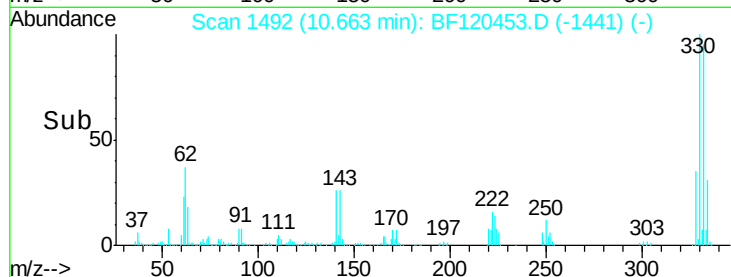
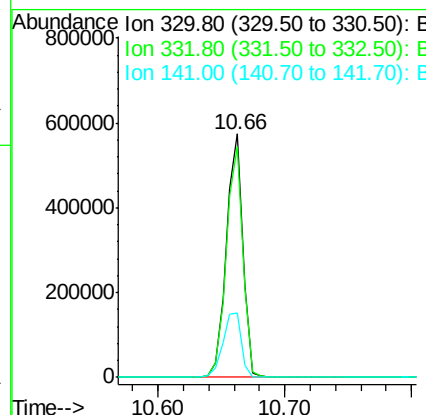
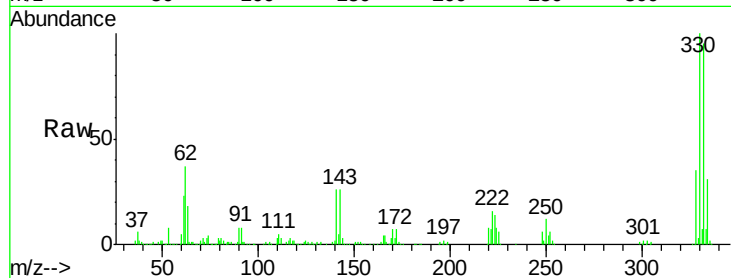




#42
 2,4,6-Tribromophenol
 Concen: 114.775 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BF120453.D
 Acq: 29 May 2020 21:39

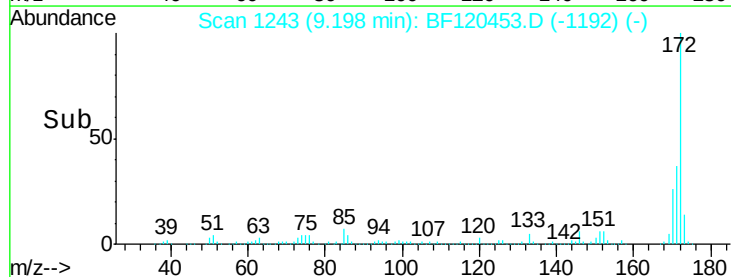
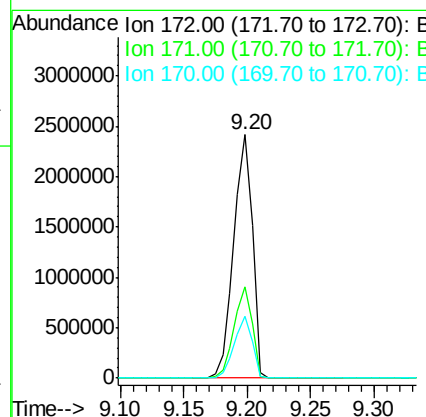
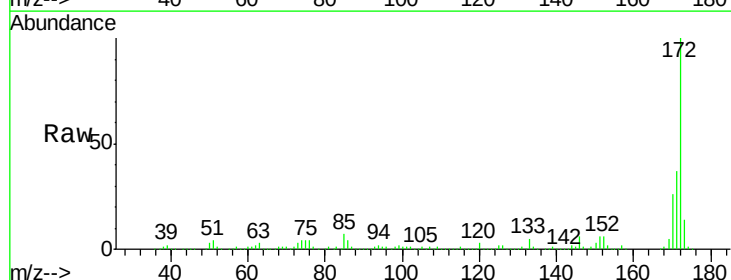
Instrument :
 BNA_F
 ClientSampleId :

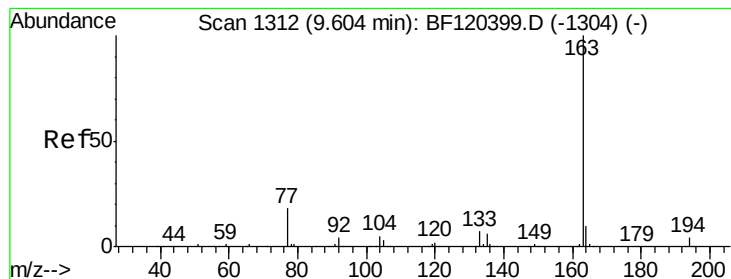
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	29.7	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 84.588 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120453.D
 Acq: 29 May 2020 21:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	25.6	19.9	29.9





#50

Dimethylphthalate

Concen: 13.097 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampleId :

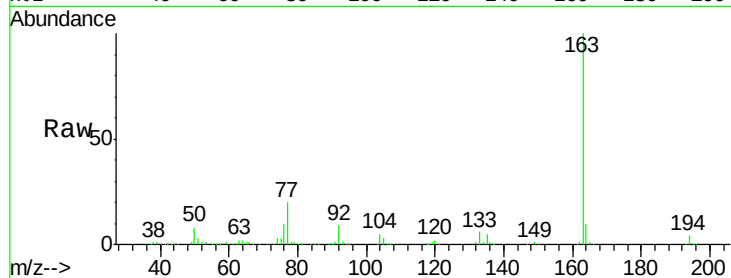
Tot Ion:163 Resp: 402037

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

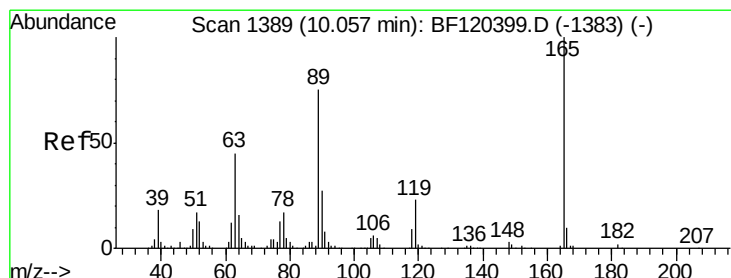
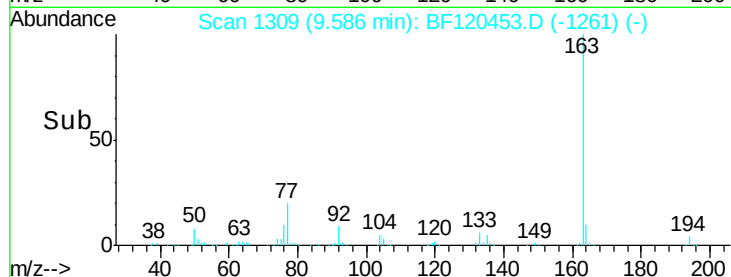
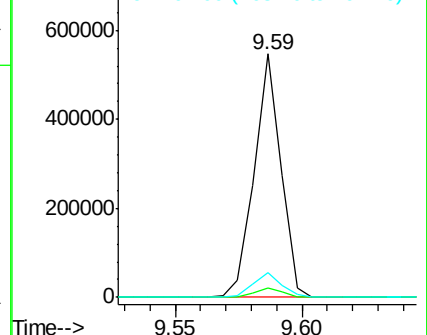
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 7.226 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.19 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Tgt Ion:165 Resp: 63091

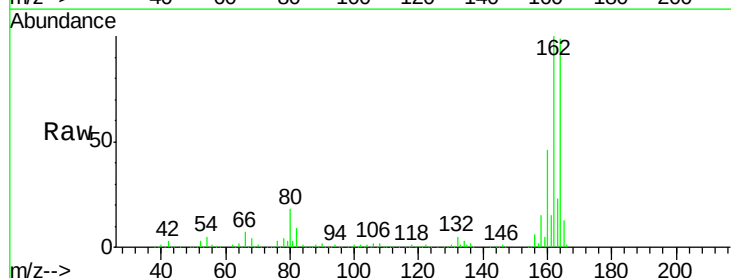
Ion Ratio Lower Upper

165 100

63 1.0 35.9 53.9#

89 1.3 60.0 90.0#

182 0.0 2.0 3.0#

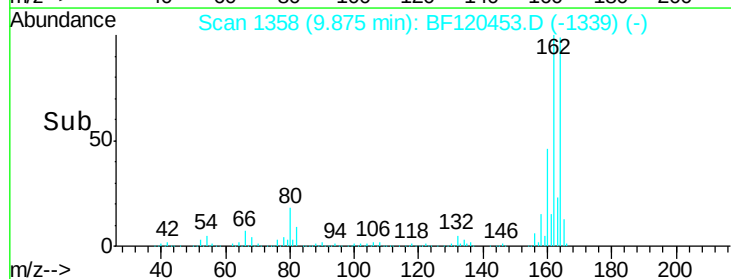
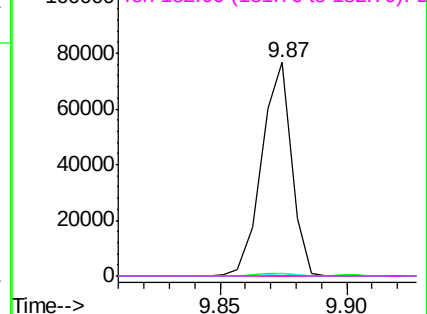


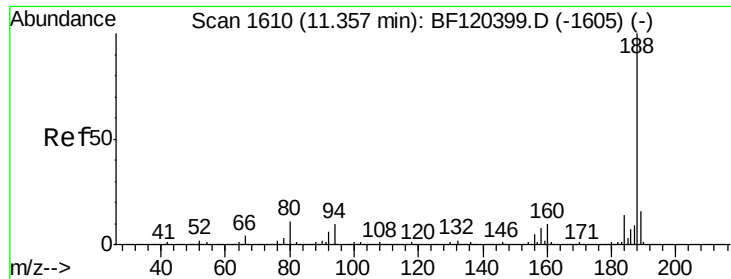
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampleId :

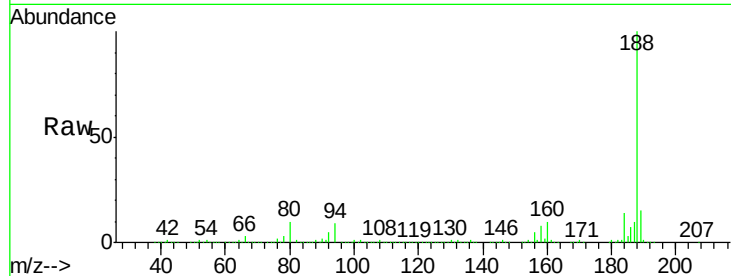
Tot Ion:188 Resp: 753535

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

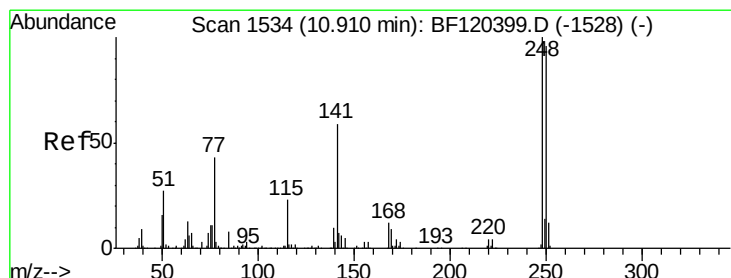
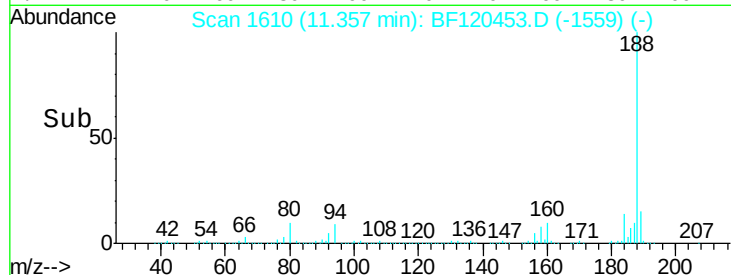
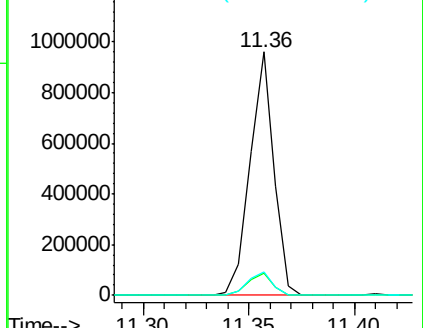
80 9.6 8.6 13.0



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: 4.130 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

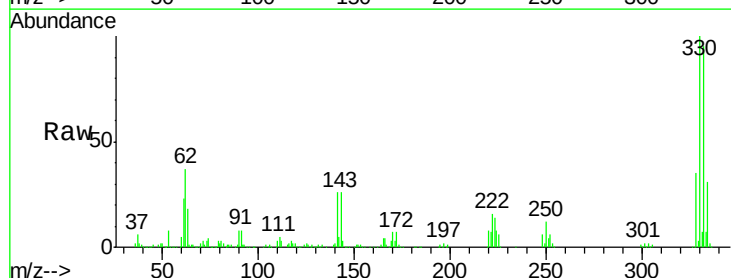
Tgt Ion:248 Resp: 31416

Ion Ratio Lower Upper

248 100

250 202.8 76.5 114.7#

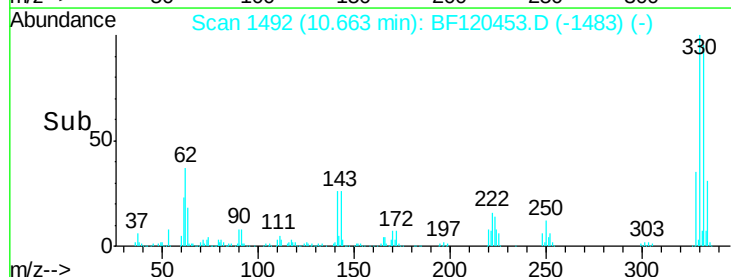
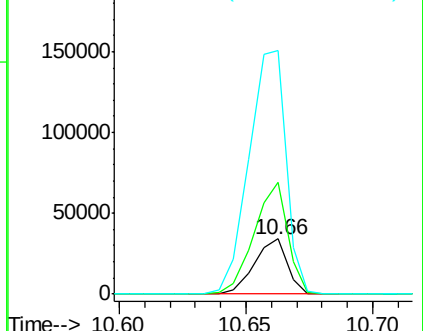
141 442.9 47.2 70.8#

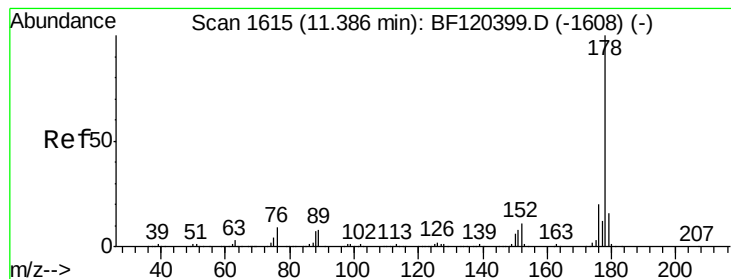


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.460 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampleId :

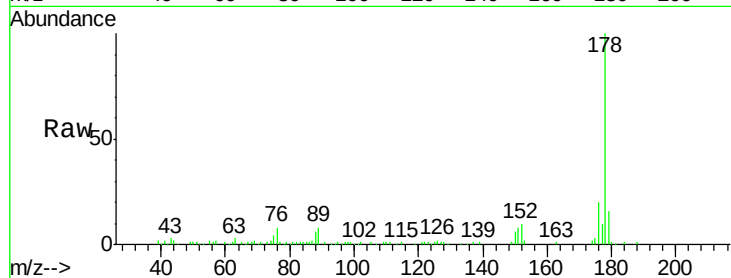
Tot Ion:178 Resp: 81668

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.4	24.6
179	15.8	13.0	19.4

178 100

176 19.9 16.4 24.6

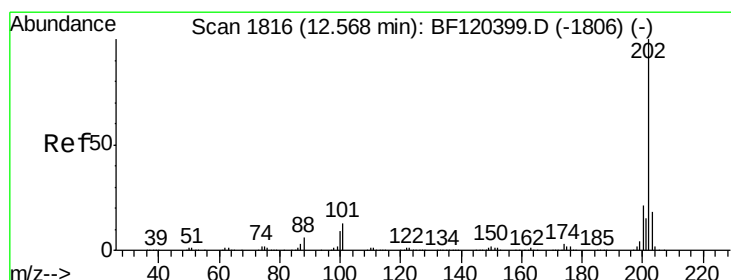
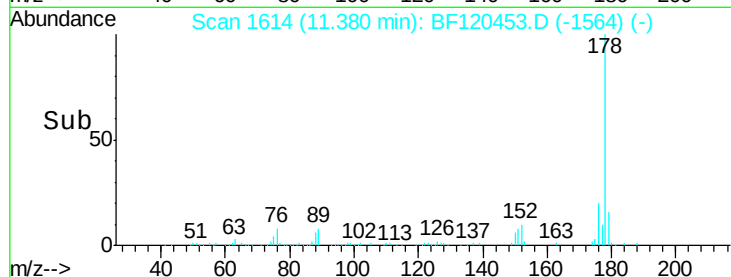
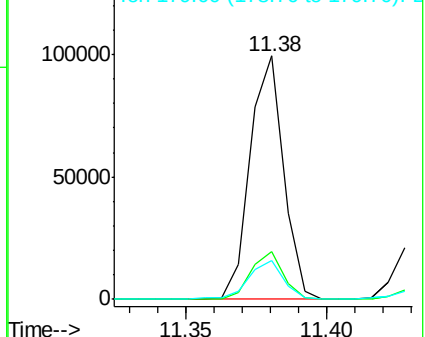
179 15.8 13.0 19.4



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: 4.204 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

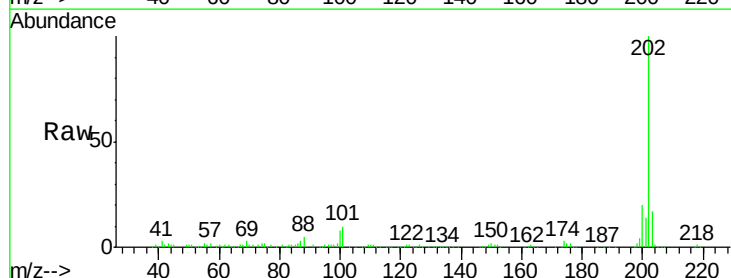
Tgt Ion:202 Resp: 150189

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	32.6
203	17.0	0.0	38.4

202 100

101 10.4 0.0 32.6

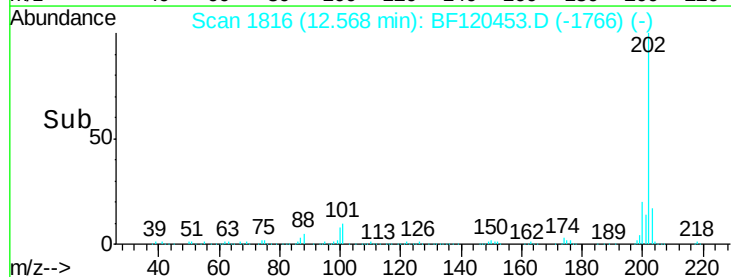
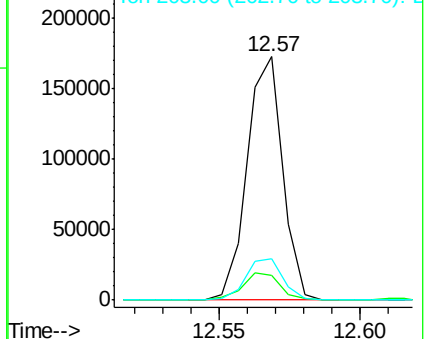
203 17.0 0.0 38.4

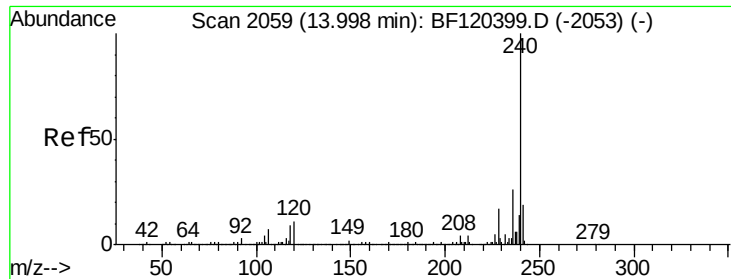


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

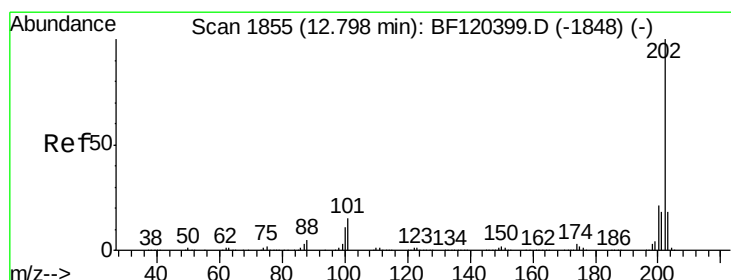
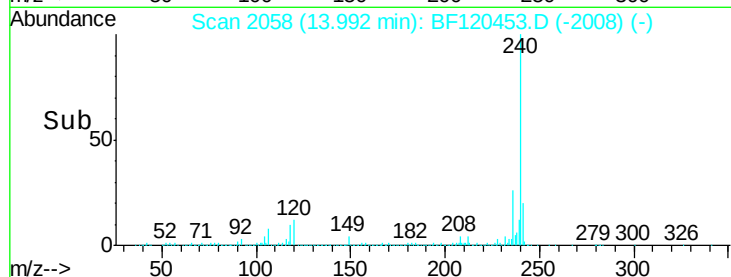
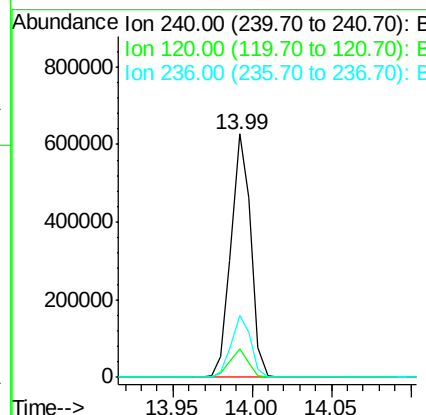
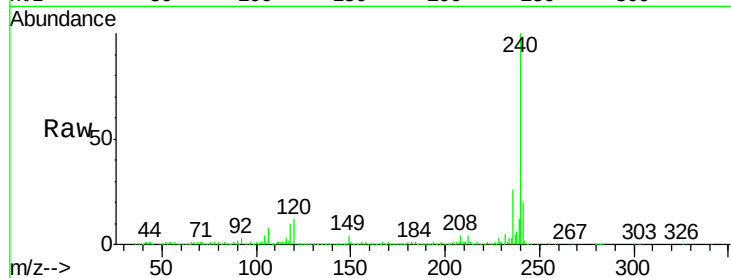




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

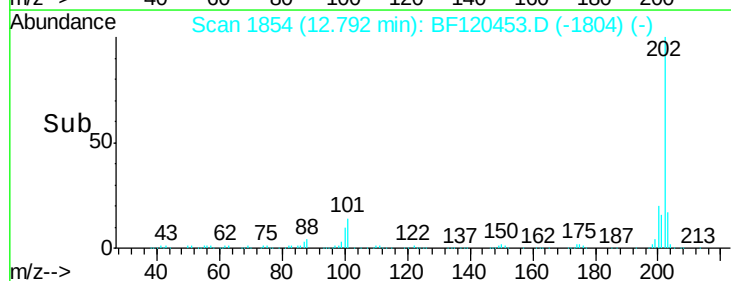
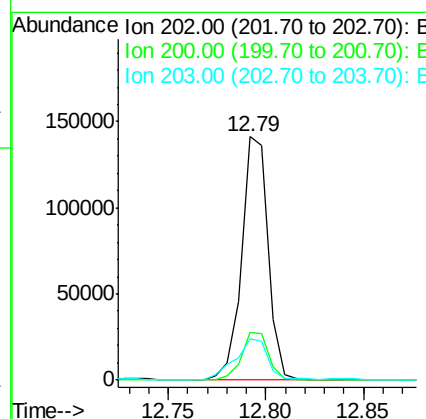
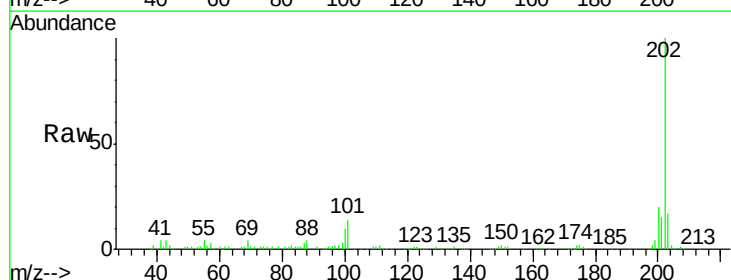
Instrument :
BNA_F
ClientSampleId :

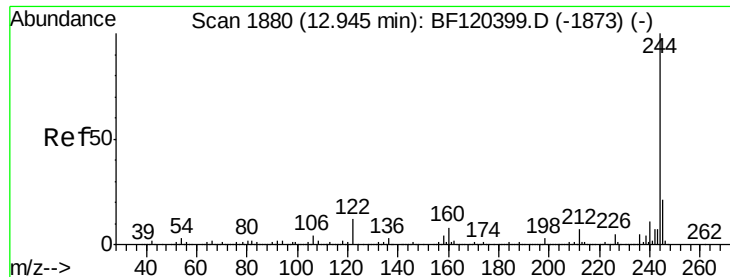
Tot Ion:240 Resp: 541886
Ion Ratio Lower Upper
240 100
120 11.7 8.8 13.2
236 25.6 21.0 31.4



#78
Pyrene
Concen: 3.530 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

Tgt Ion:202 Resp: 133012
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.4
203 16.8 14.7 22.1





#79

Terphenyl-d14

Concen: 82.639 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampled :

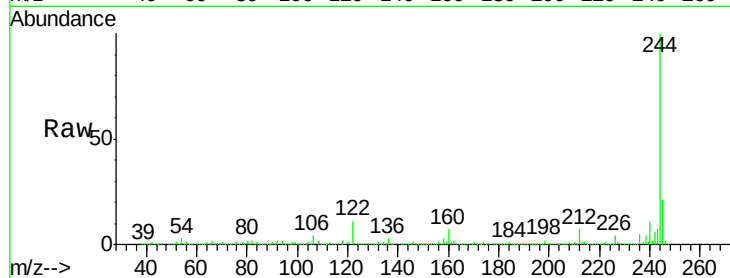
Tot Ion:244 Resp: 2012422

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

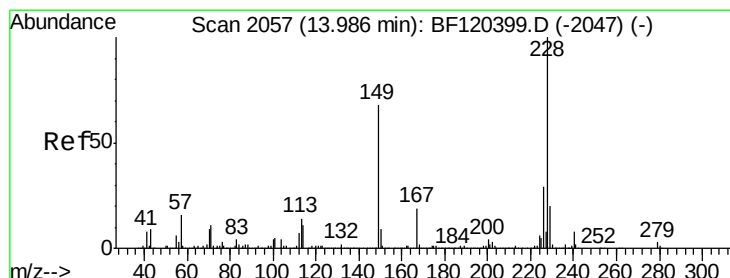
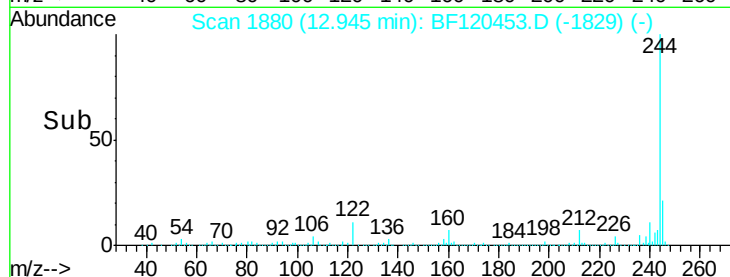
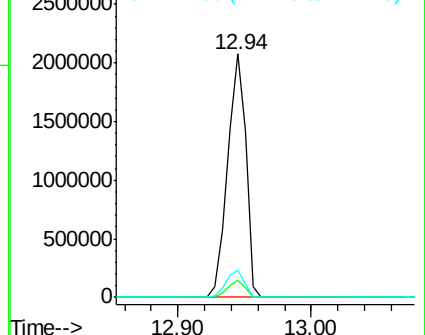
122 11.4 9.2 13.8



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: 2.393 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

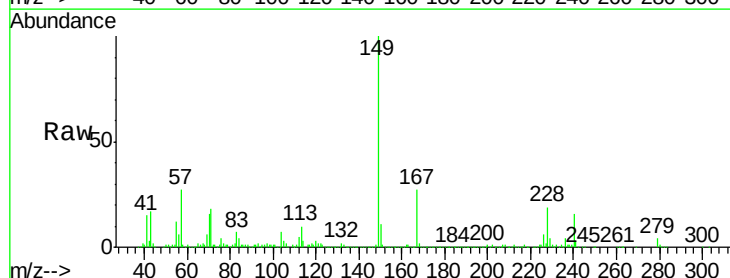
Tgt Ion:228 Resp: 69490

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

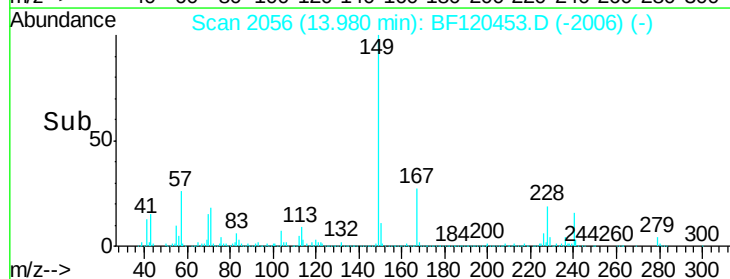
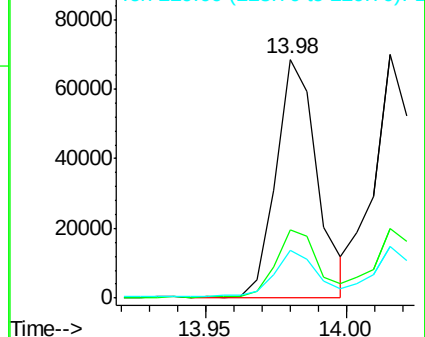
229 19.9 16.2 24.4

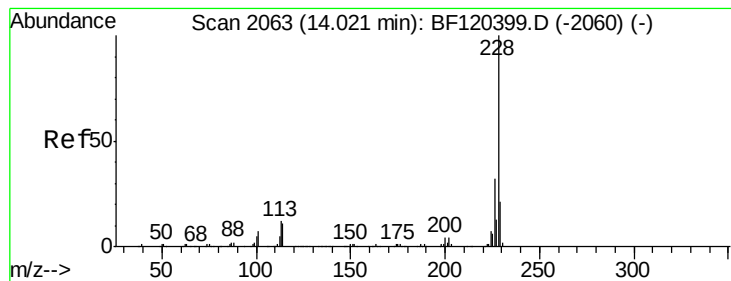


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.151 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampled :

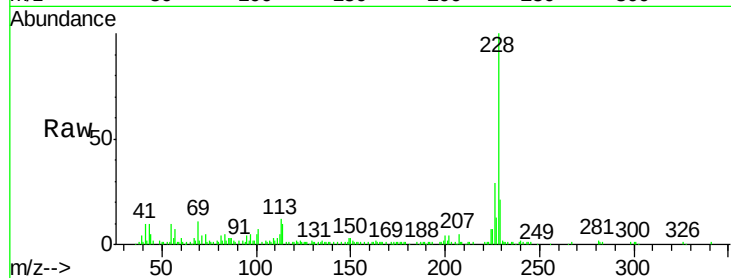
Tot Ion:228 Resp: 65489

Ion Ratio Lower Upper

228 100

226 28.6 25.6 38.4

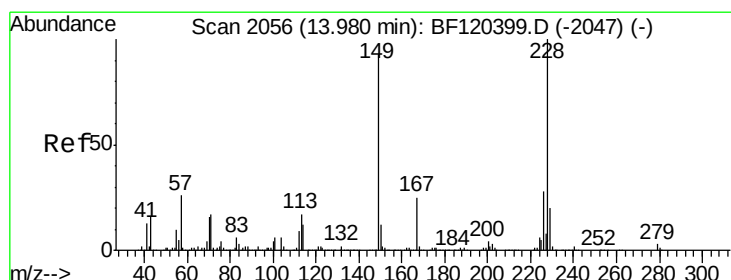
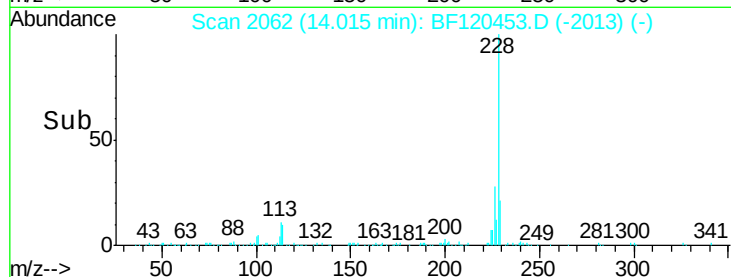
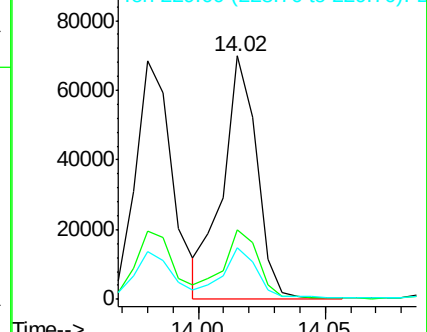
229 21.3 16.6 25.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 15.292 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

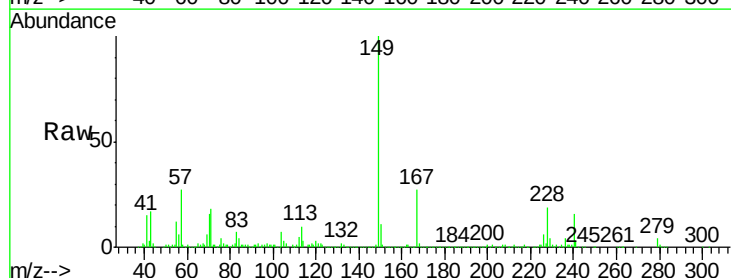
Tgt Ion:149 Resp: 282418

Ion Ratio Lower Upper

149 100

167 27.4 21.7 32.5

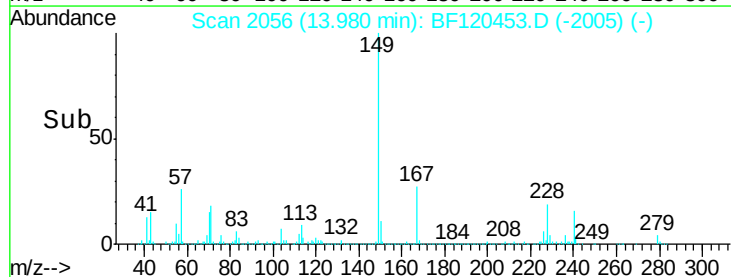
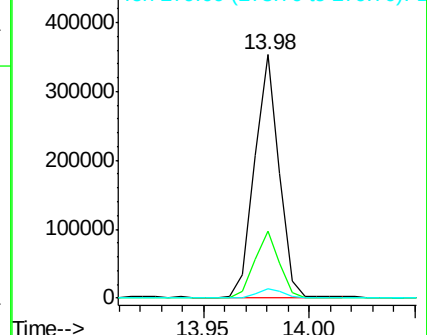
279 3.8 2.9 4.3

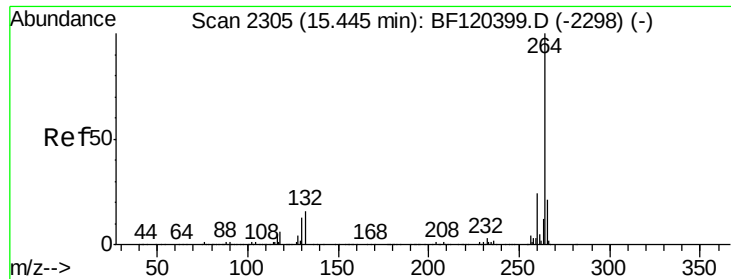


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

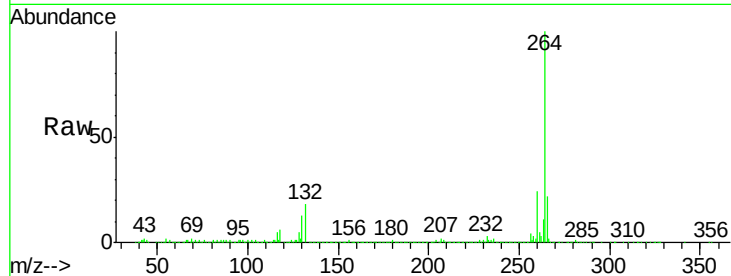




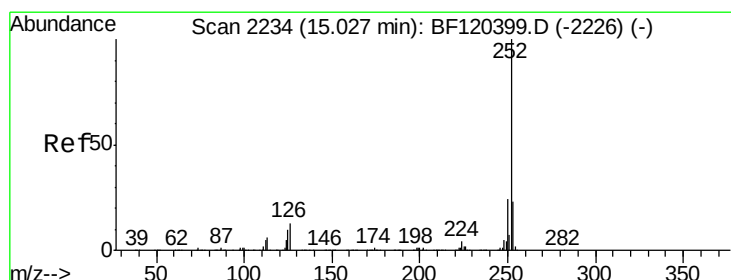
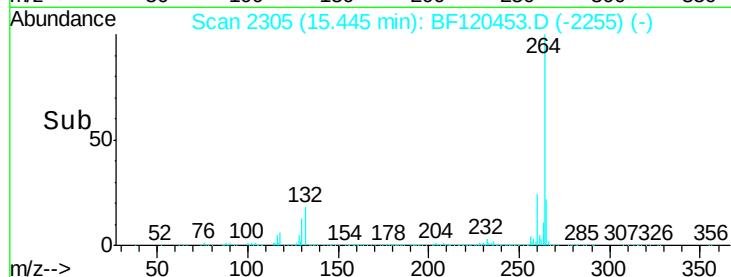
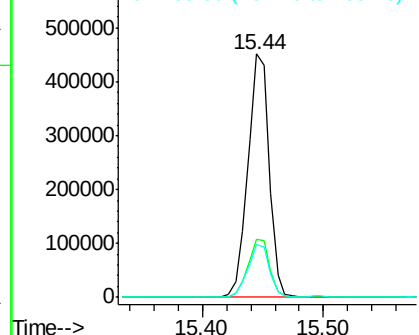
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 558294
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.8 16.9 25.3

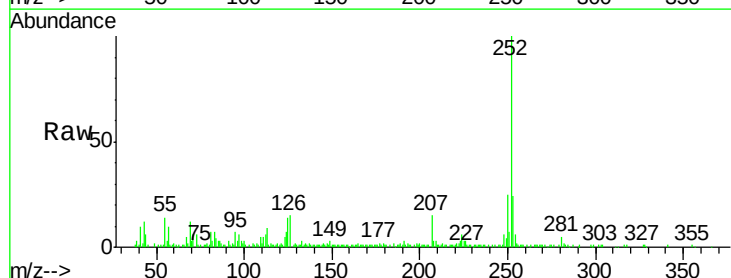


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

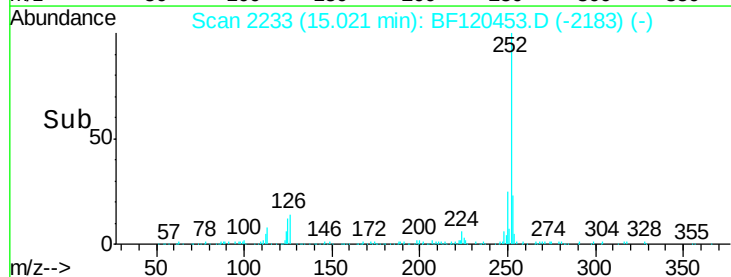
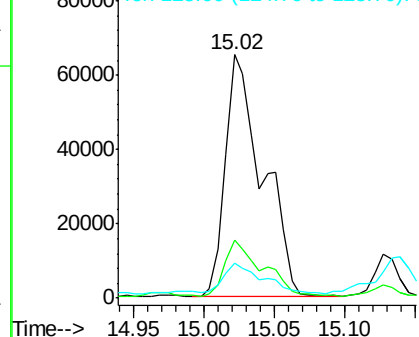


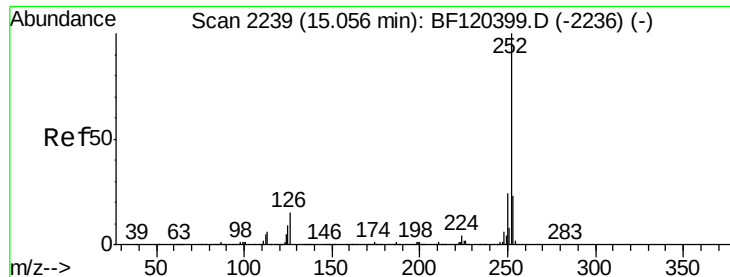
#88
Benzo(b)fluoranthene
Concen: 3.881 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120453.D
Acq: 29 May 2020 21:39

Tgt Ion:252 Resp: 120340
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 14.1 7.8 11.8#



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





#89

Benzo(k)fluoranthene

Concen: 4.157 ng

RT: 15.02 min Scan# 2233

Delta R.T. -0.04 min

Lab File: BF120453.D

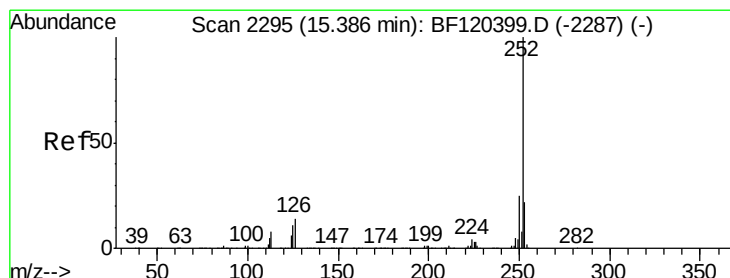
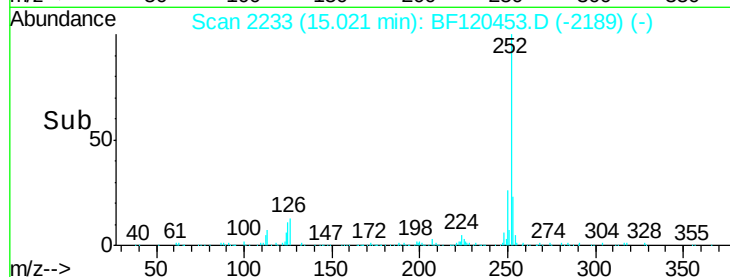
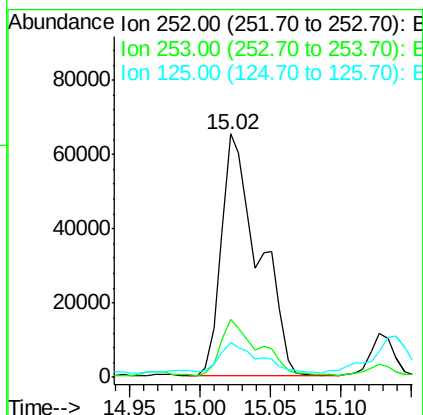
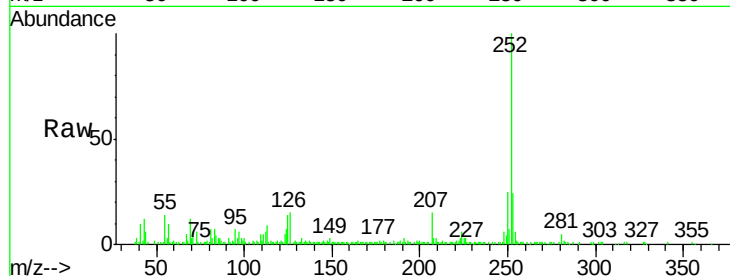
Acq: 29 May 2020 21:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	120340
Ion Ratio	Lower	Upper
252	100	
253	23.8	18.5 27.7
125	14.1	8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.302 ng

RT: 15.38 min Scan# 2294

Delta R.T. -0.01 min

Lab File: BF120453.D

Acq: 29 May 2020 21:39

Tgt Ion:252	Resp:	62443
Ion Ratio	Lower	Upper
252	100	
253	23.1	17.4 26.0
125	13.1	8.7 13.1#

