

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120499.D
 Acq On : 2 Jun 2020 17:12
 Operator : JU/CG
 Sample : L2773-26
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 02 19:19:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	146242	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	493065	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	236381	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	467293	20.00	ng	0.00
76) Chrysene-d12	14.01	240	427134	20.00	ng	0.00
86) Perylene-d12	15.47	264	391939	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	709893	92.51	ng	0.00
7) Phenol-d6	6.47	99	848904	89.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	516890	68.57	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	233684	106.70	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	980485	70.38	ng	0.00
79) Terphenyl-d14	12.96	244	1212148	63.15	ng	0.00

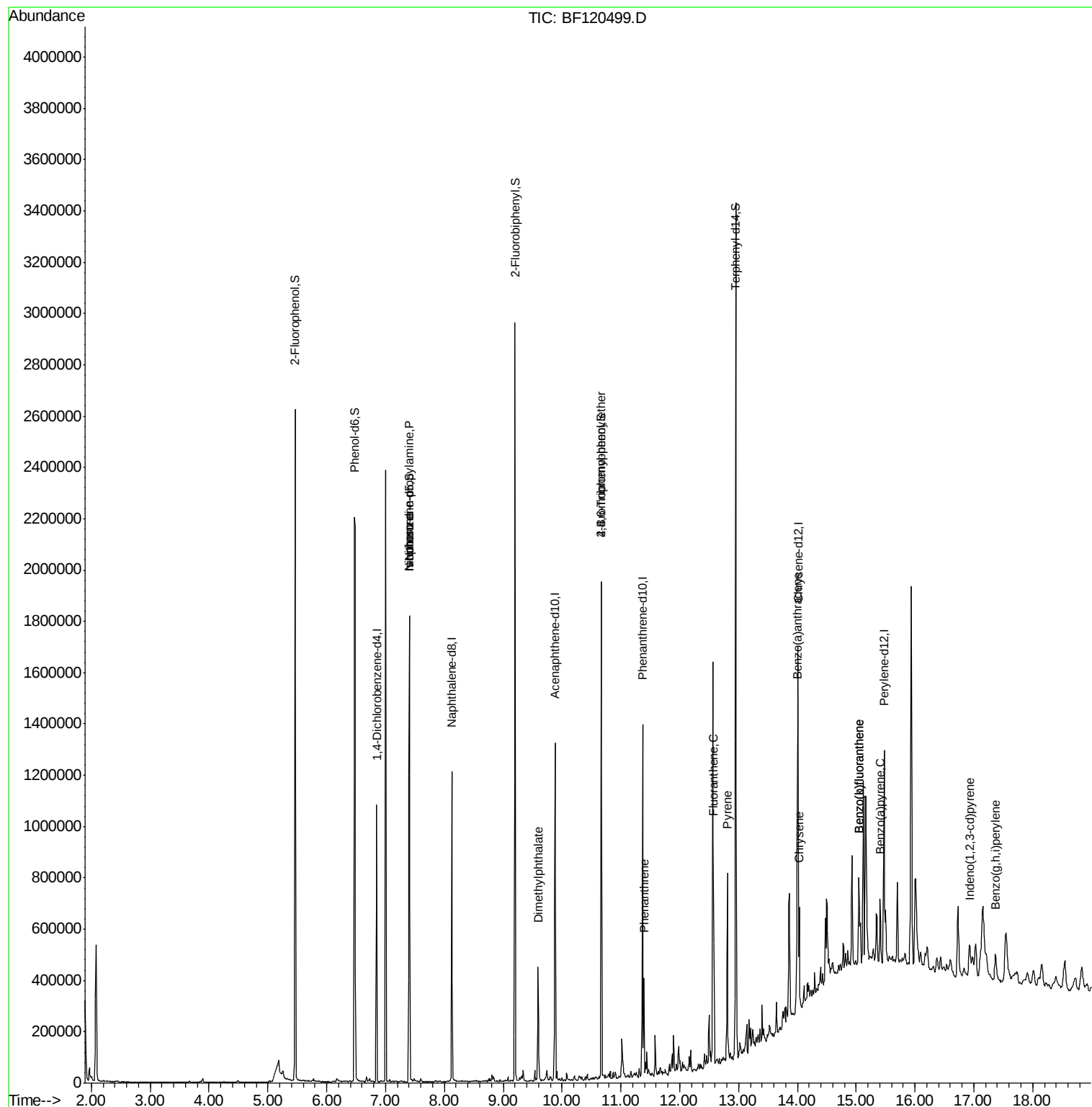
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	67465	11.221	ng	# 78
25) Isophorone	7.40	82	513851	33.918	ng	# 64
50) Dimethylphthalate	9.59	163	150565	10.189	ng	100
67) 4-Bromophenyl-phenylether	10.67	248	13774	2.920	ng	# 1
71) Phenanthrene	11.39	178	118303	5.746	ng	99
75) Fluoranthene	12.58	202	283161	12.781	ng	98
78) Pyrene	12.81	202	279156	9.398	ng	97
81) Benzo(a)anthracene	14.00	228	158634	6.930	ng	97
83) Chrysene	14.03	228	143753	5.990	ng	96
87) Indeno(1,2,3-cd)pyrene	16.93	276	77220	3.602	ng	95
88) Benzo(b)fluoranthene	15.04	252	243453	11.183	ng	97
89) Benzo(k)fluoranthene	15.04	252	243453	11.979	ng	# 95
90) Benzo(a)pyrene	15.41	252	126923	6.666	ng	98
92) Benzo(a,h,i)perylene	17.37	276	75740	4.394	ng	94

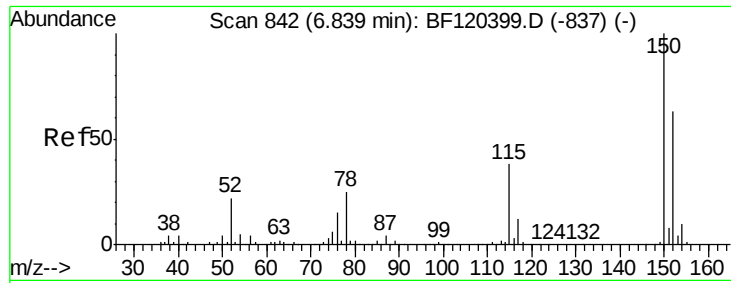
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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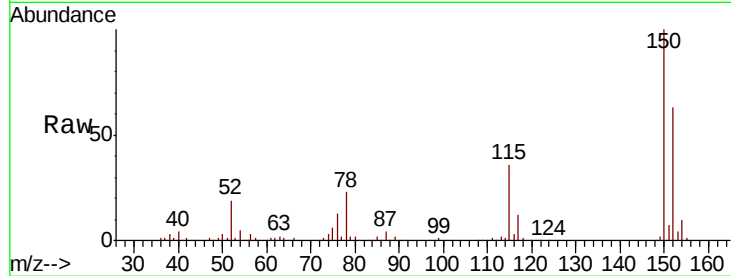


#1

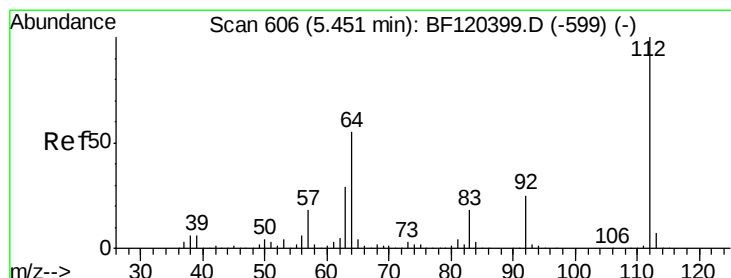
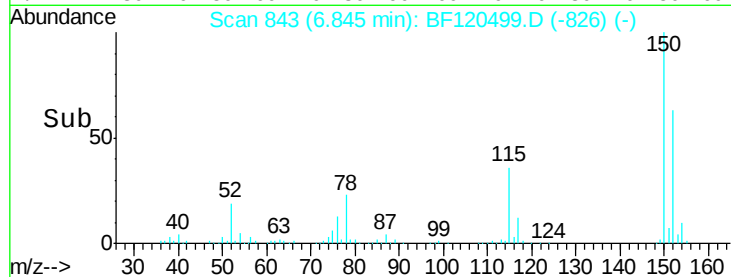
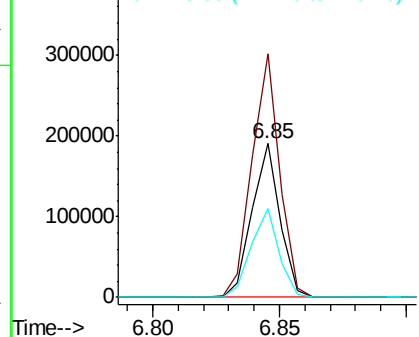
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 146242
Ion Ratio Lower Upper
152 100
150 158.5 126.7 190.1
115 57.7 46.2 69.2



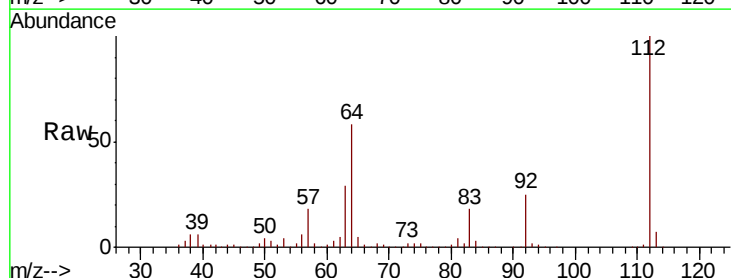
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



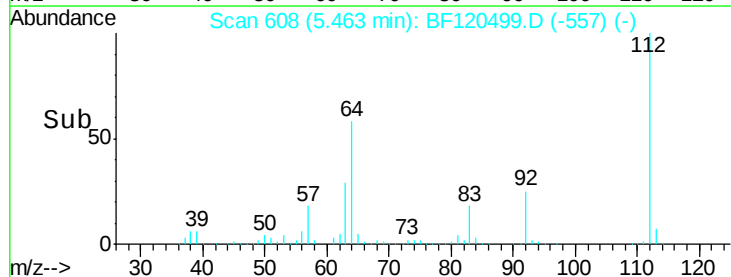
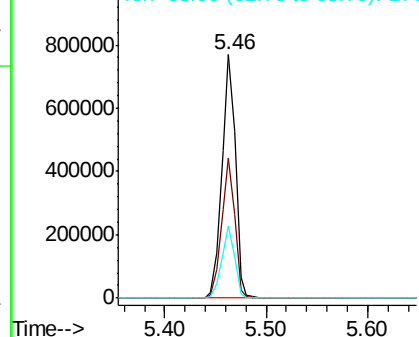
#5

2-Fluorophenol
Concen: 92.509 ng
RT: 5.46 min Scan# 608
Delta R.T. -0.00 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

Tgt Ion:112 Resp: 709893
Ion Ratio Lower Upper
112 100
64 57.7 46.3 69.5
63 29.4 24.2 36.2



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: 89.751 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Instrument :

BNA_G

ClientSampled :

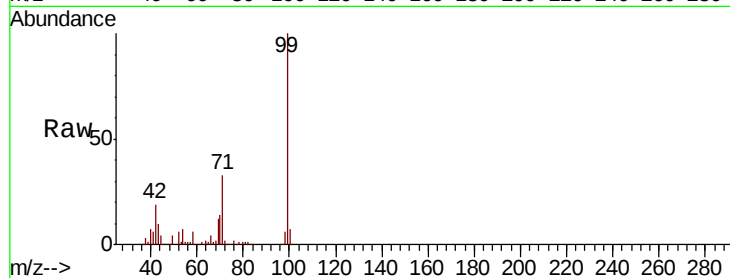
Tot Ion: 99 Resp: 848904

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

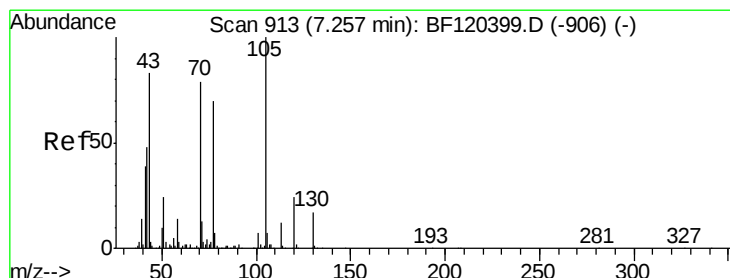
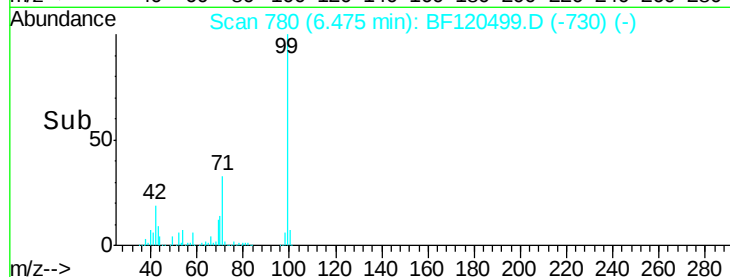
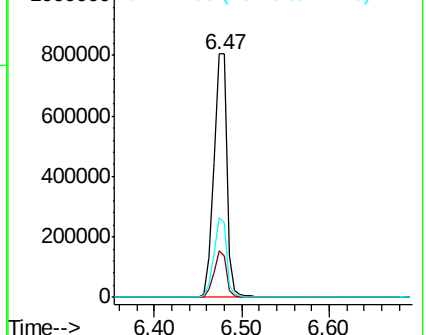
71 32.7 26.2 39.4



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: 11.221 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Tgt Ion: 70 Resp: 67465

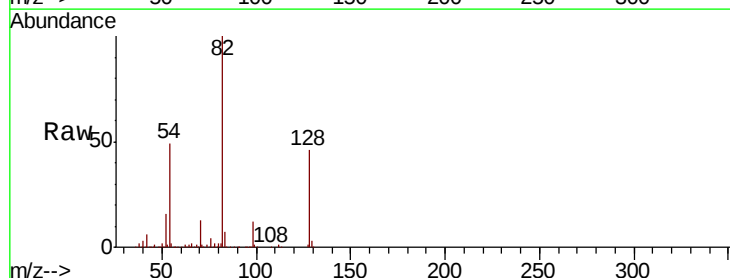
Ion Ratio Lower Upper

70 100

42 47.9 47.4 71.2

101 0.0 7.8 11.6#

130 2.3 17.1 25.7#

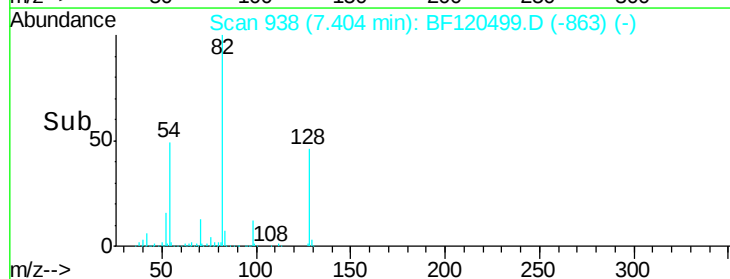
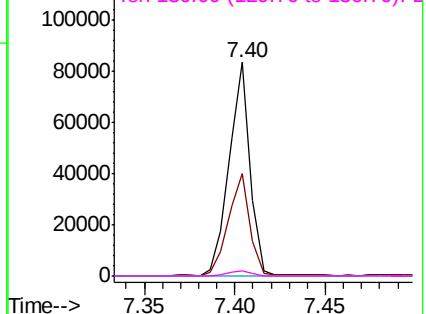


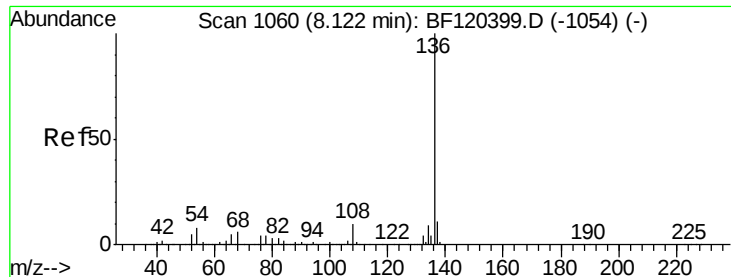
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

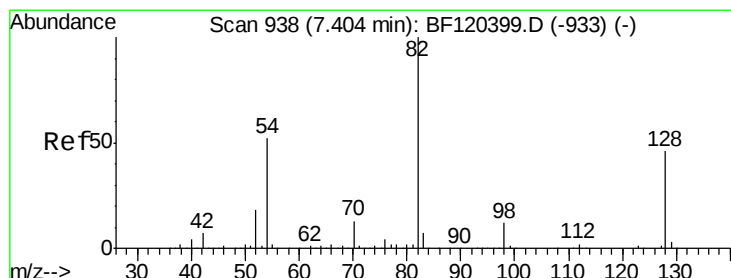
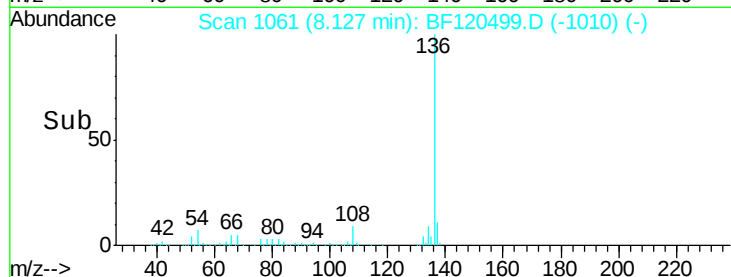
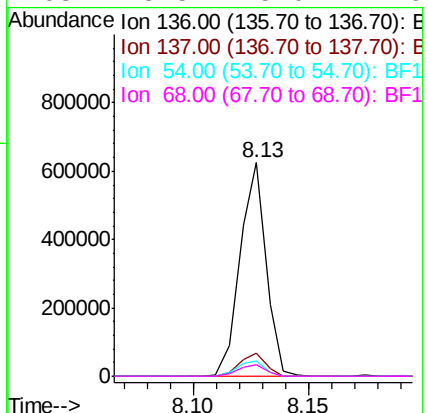
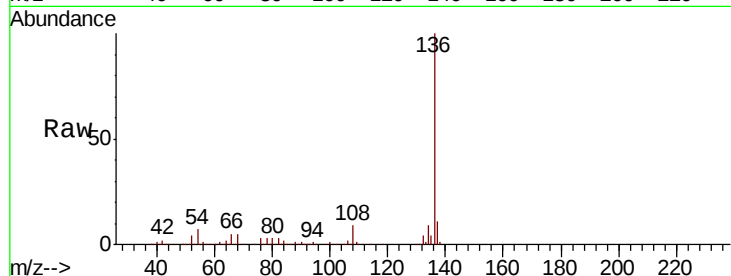




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

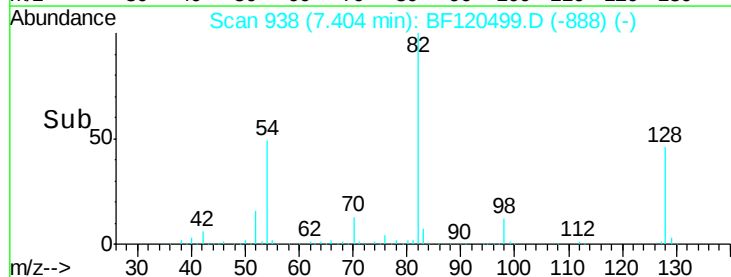
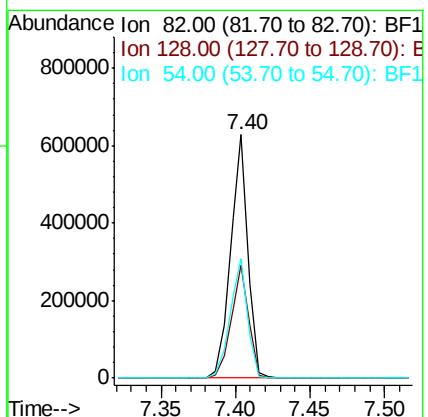
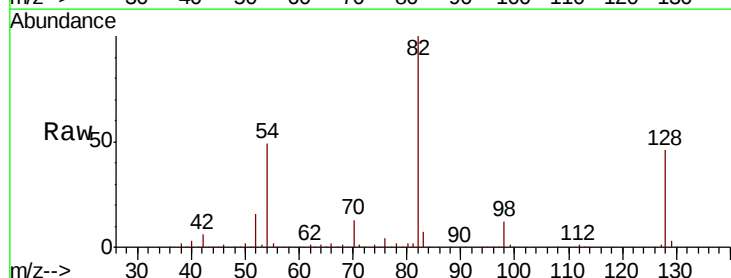
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	493065
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.0 13.6
54	7.0	6.2 9.4
68	5.5	5.0 7.6



#23
Nitrobenzene-d5
Concen: 68.574 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

Tgt Ion: 82	Resp:	516890
Ion	Ratio	Lower Upper
82	100	
128	46.3	37.0 55.6
54	49.3	41.0 61.4





#25

Isophorone

Concen: 33.918 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Instrument :

BNA_G

ClientSampleId :

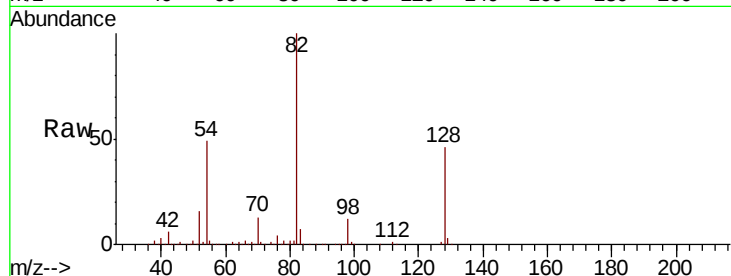
Tot Ion: 82 Resp: 513851

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

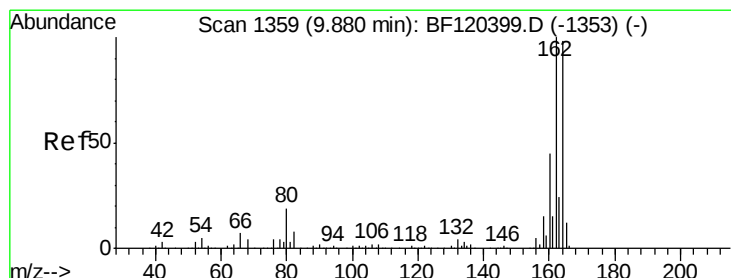
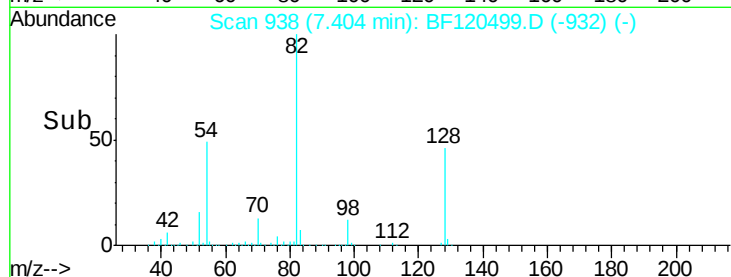
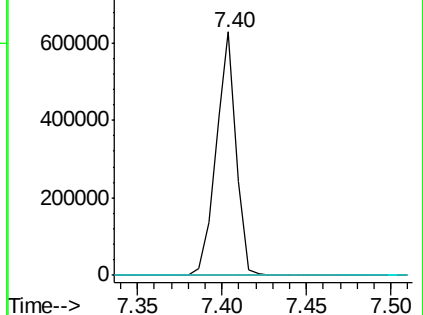
138 0.0 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

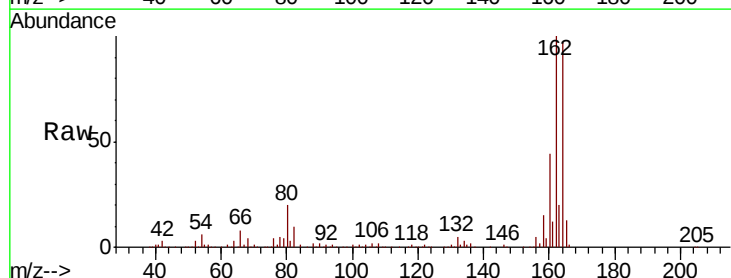
Tgt Ion:164 Resp: 236381

Ion Ratio Lower Upper

164 100

162 102.8 81.9 122.9

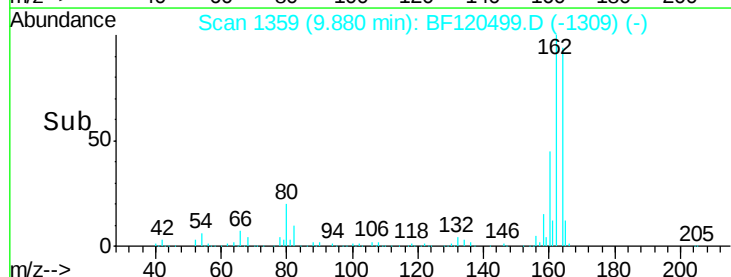
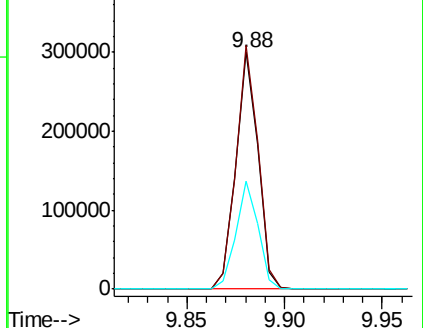
160 45.7 37.4 56.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

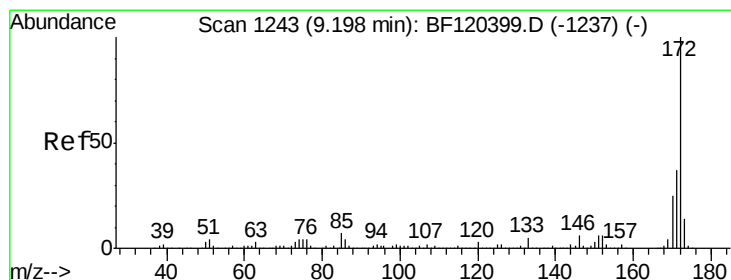
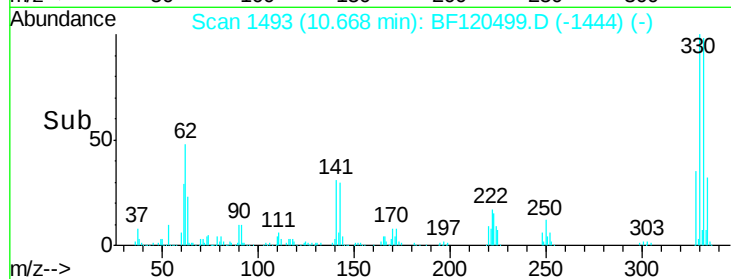
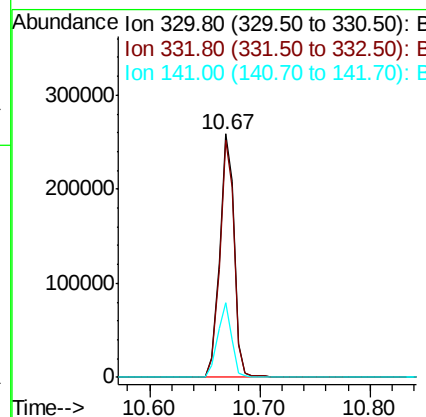
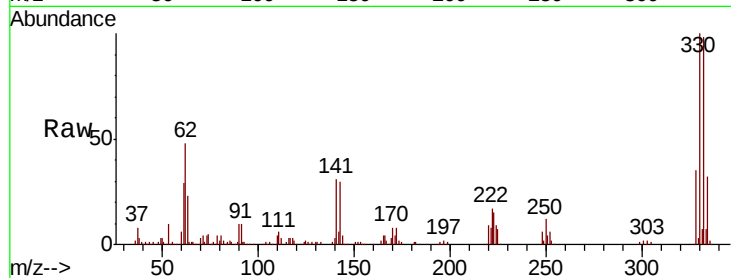




#42
 2,4,6-Tribromophenol
 Concen: 106.697 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF120499.D
 Acq: 2 Jun 2020 17:12

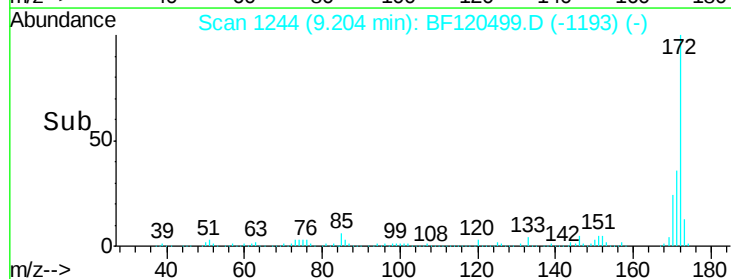
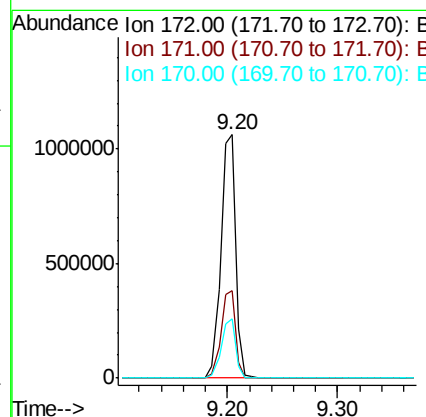
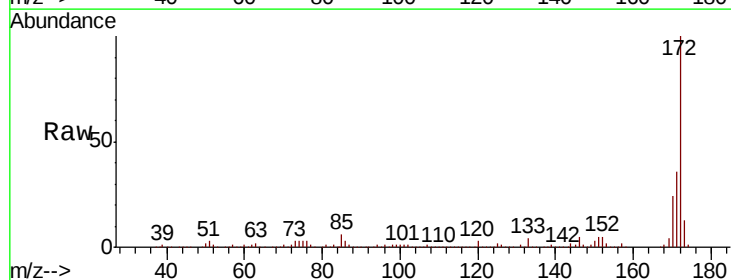
Instrument :
 BNA_G
 ClientSampleId :

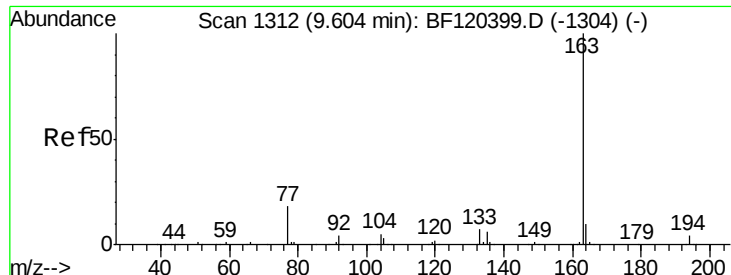
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	29.6	23.9	35.9



#45
 2-Fluorobiphenyl
 Concen: 70.377 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF120499.D
 Acq: 2 Jun 2020 17:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.2
170	24.2	19.9	29.9





#50

Dimethylphthalate

Concen: 10.189 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Instrument :

BNA_G

ClientSampled :

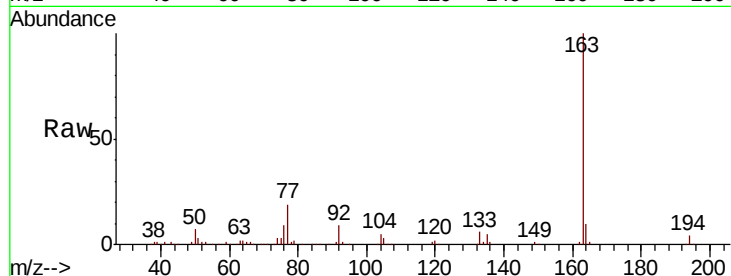
Tot Ion:163 Resp: 150565

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

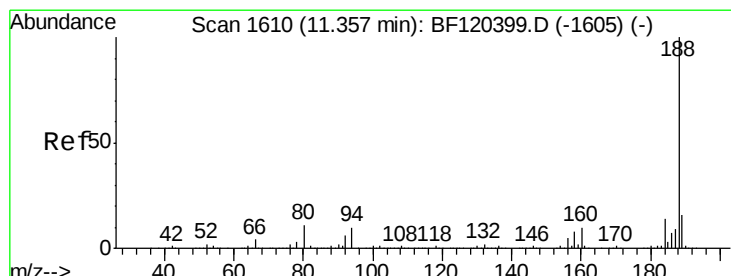
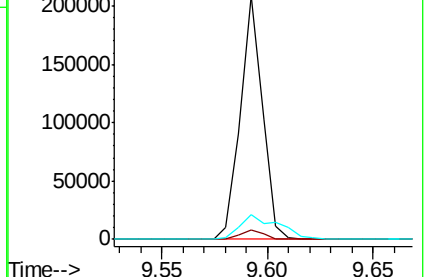
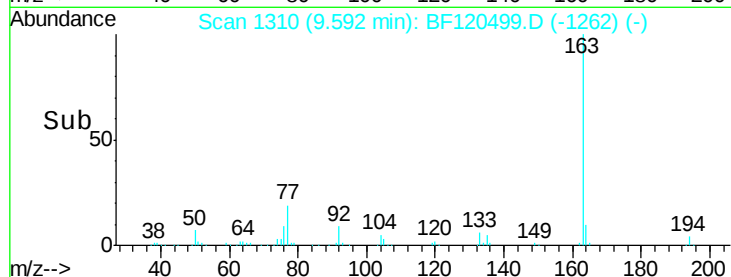
164 10.3 8.2 12.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

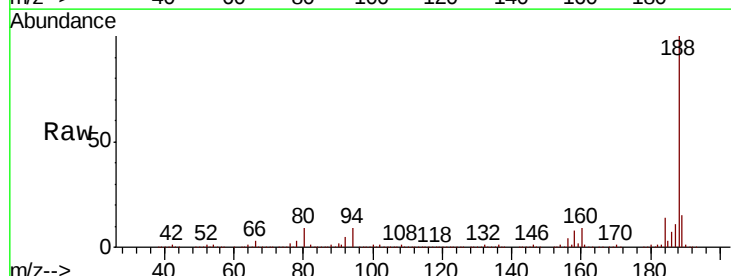
Tgt Ion:188 Resp: 467293

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

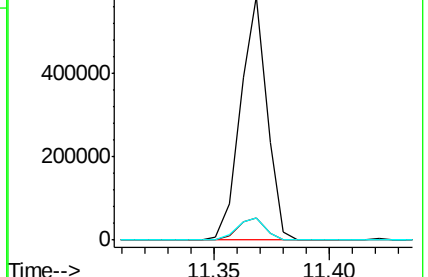
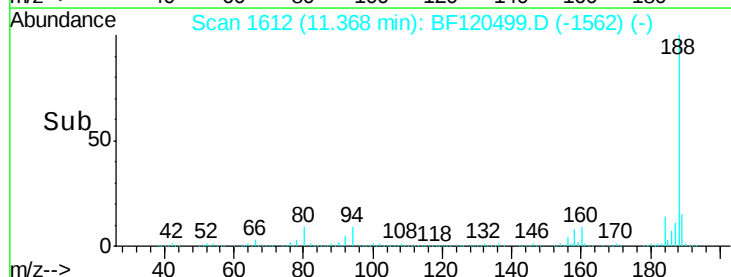
80 9.0 7.1 10.7

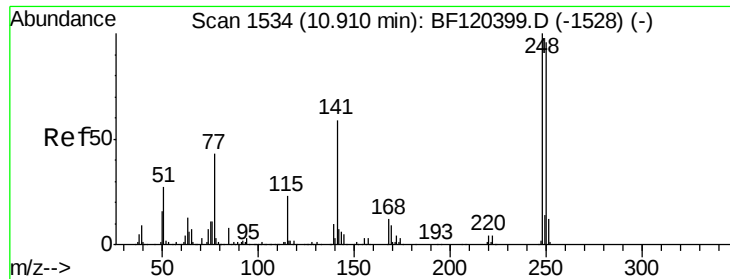


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

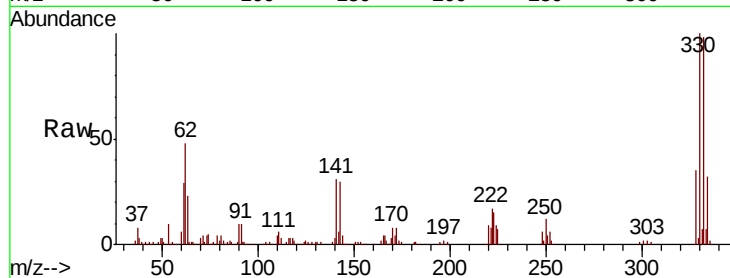




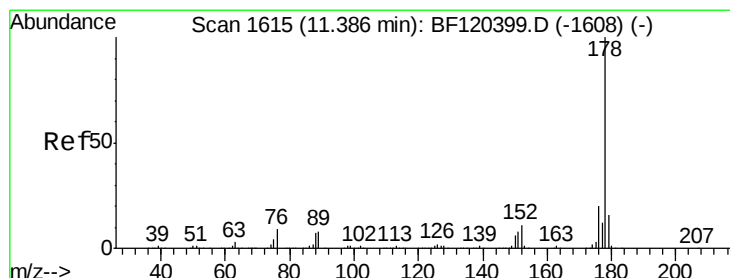
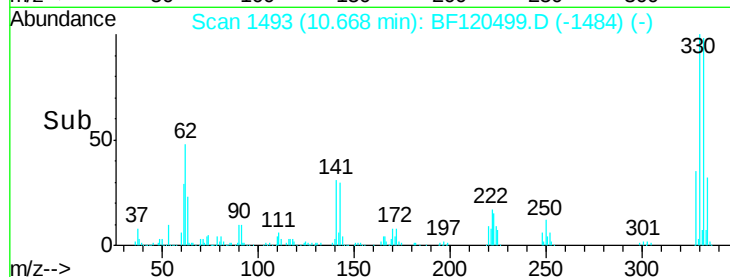
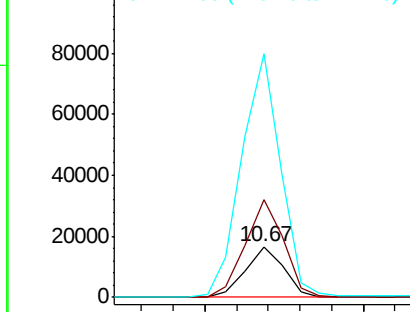
#67
 4-Bromophenyl-phenylether
 Concen: 2.920 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.25 min
 Lab File: BF120499.D
 Acq: 2 Jun 2020 17:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13774
 Ion Ratio Lower Upper
 248 100
 250 191.4 77.8 116.6#
 141 478.8 54.8 82.2#

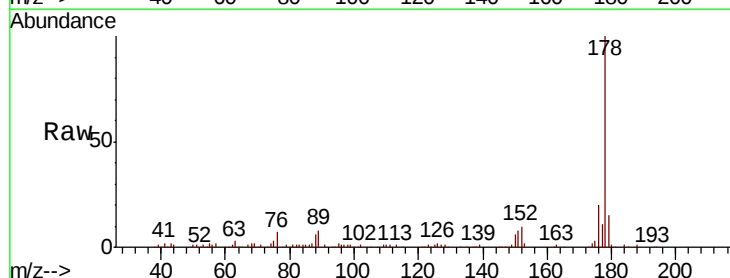


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

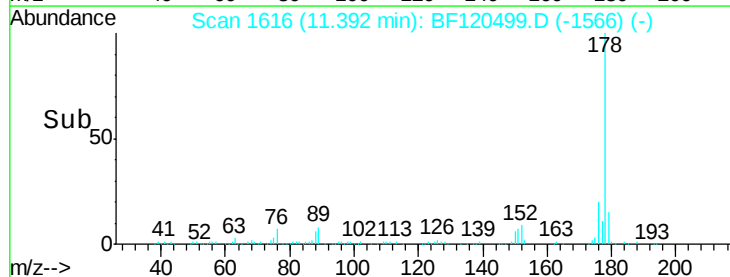
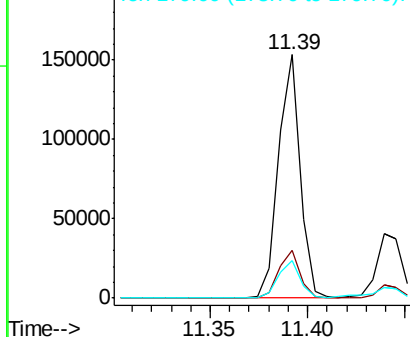


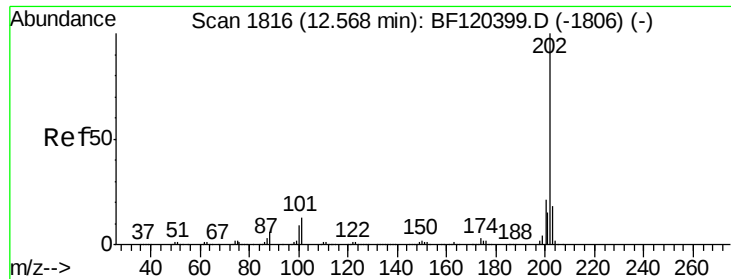
#71
 Phenanthrene
 Concen: 5.746 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120499.D
 Acq: 2 Jun 2020 17:12

Tgt Ion:178 Resp: 118303
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.2
 179 15.3 12.8 19.2



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: 12.781 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Instrument :

BNA_G

ClientSampleId :

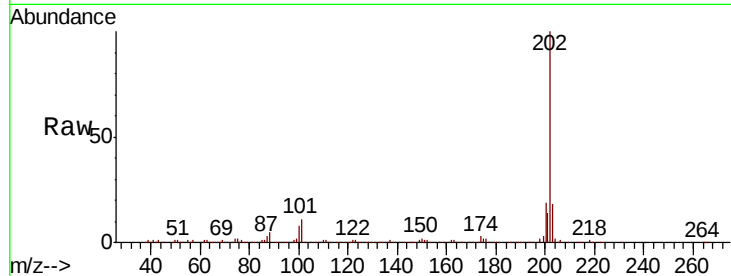
Tot Ion:202 Resp: 283161

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

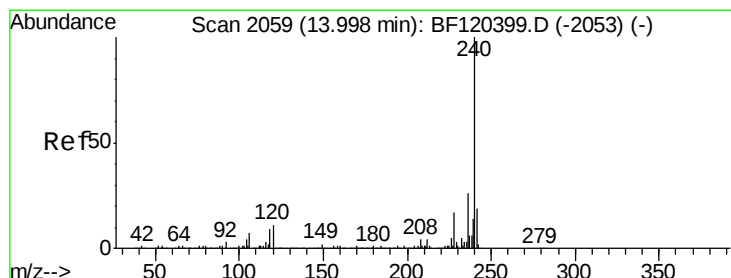
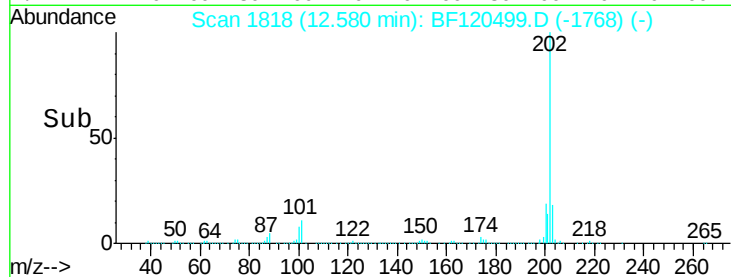
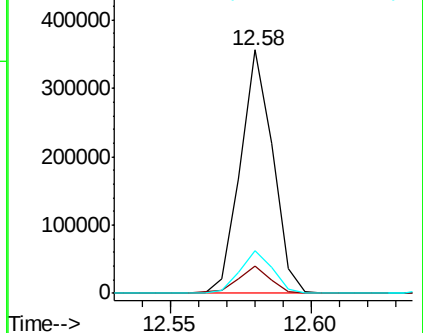
203 17.7 0.0 38.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

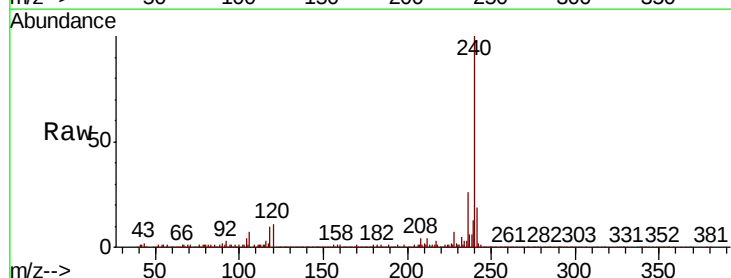
Tgt Ion:240 Resp: 427134

Ion Ratio Lower Upper

240 100

120 11.4 9.9 14.9

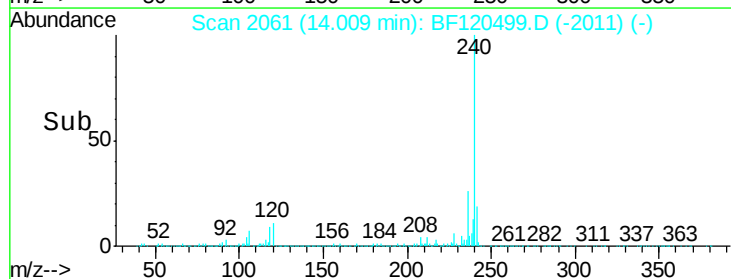
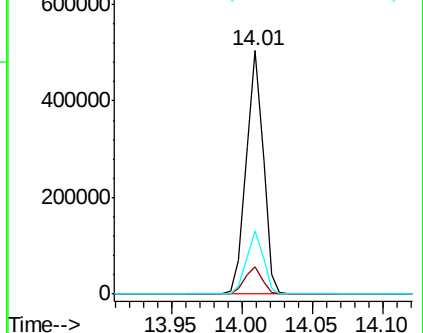
236 26.0 21.0 31.6

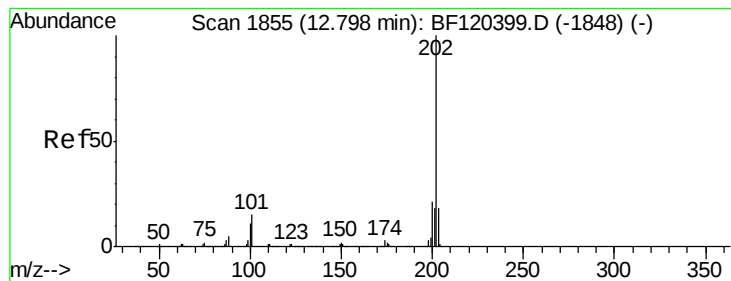


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 9.398 ng

RT: 12.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Instrument :

BNA_G

ClientSampleId :

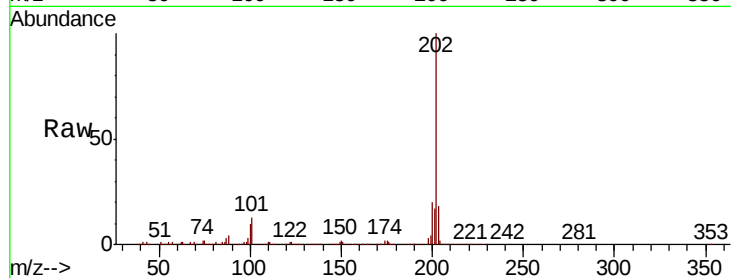
Tot Ion:202 Resp: 279156

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.6

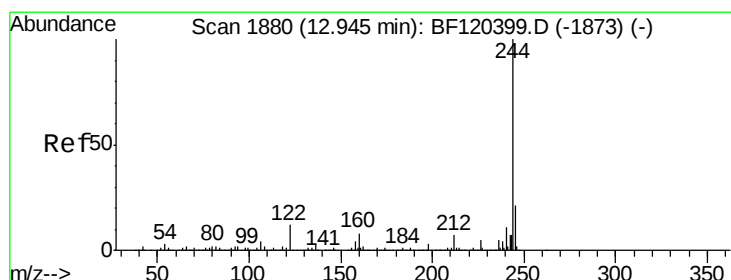
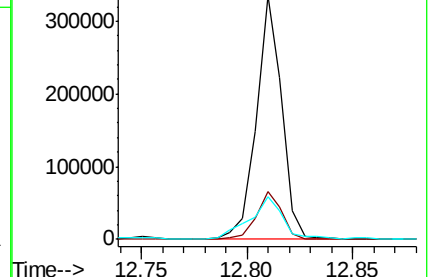
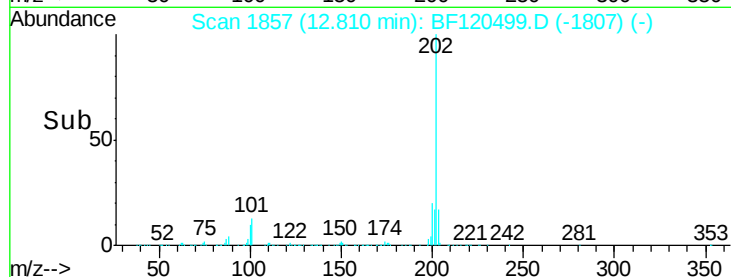
203 17.6 14.6 22.0



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: 63.149 ng

RT: 12.96 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

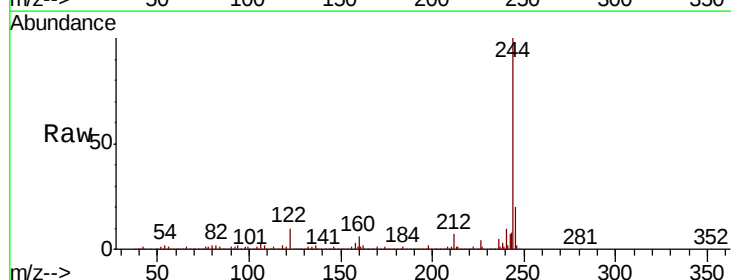
Tgt Ion:244 Resp: 1212148

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

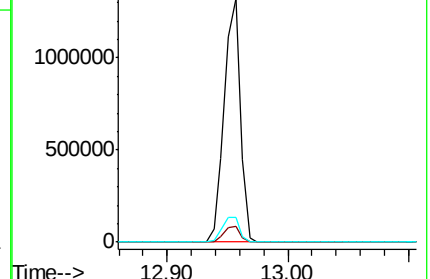
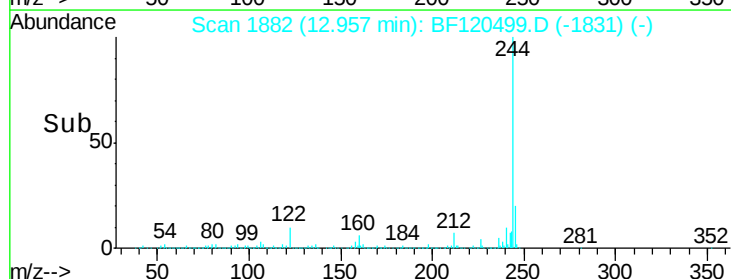
122 10.2 8.7 13.1

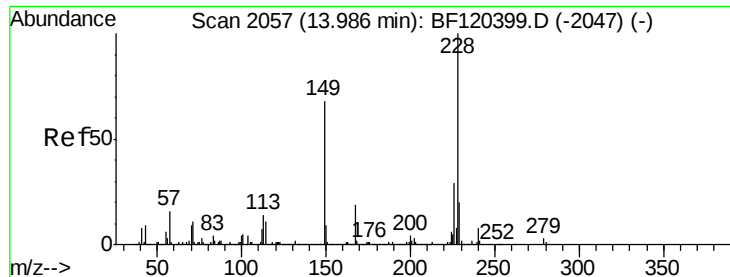


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.930 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Instrument :

BNA_G

ClientSampleId :

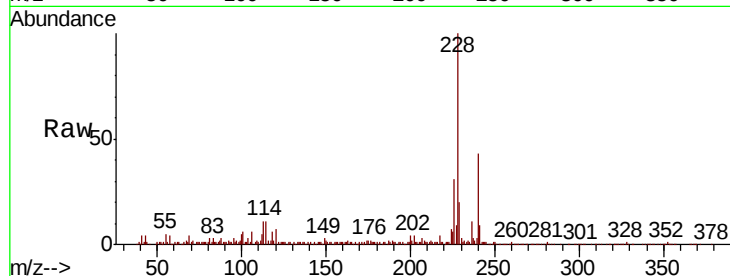
Tot Ion:228 Resp: 158634

Ion Ratio Lower Upper

228 100

226 31.0 22.9 34.3

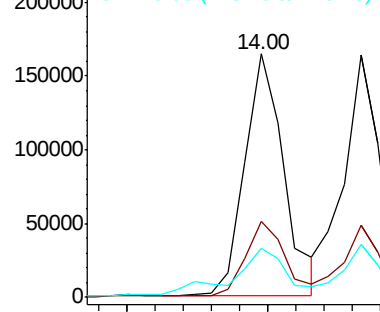
229 20.1 16.3 24.5



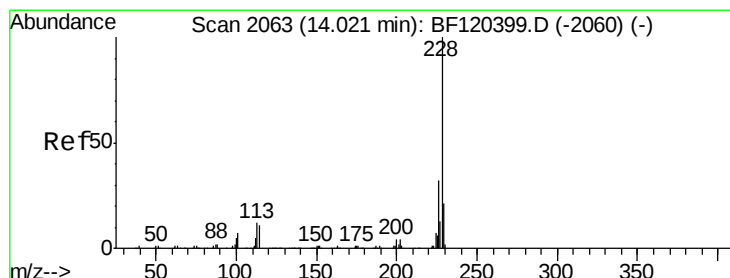
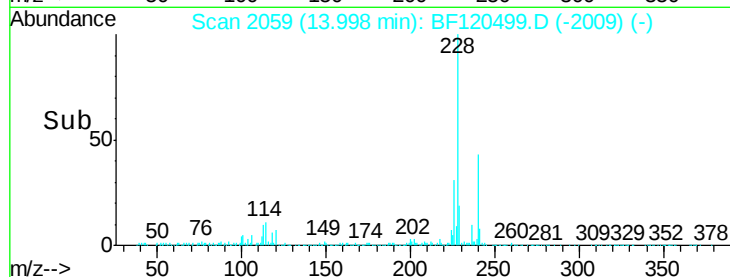
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 5.990 ng

RT: 14.03 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

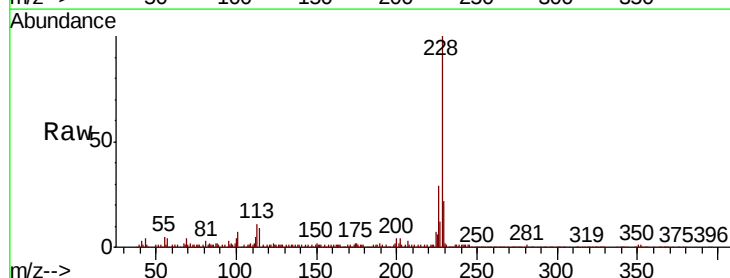
Tgt Ion:228 Resp: 143753

Ion Ratio Lower Upper

228 100

226 29.5 25.7 38.5

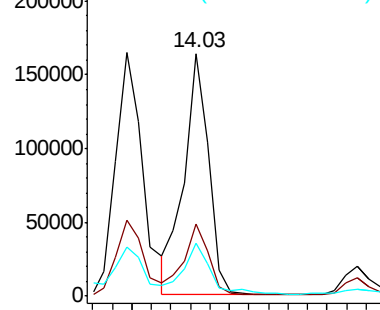
229 21.7 16.4 24.6



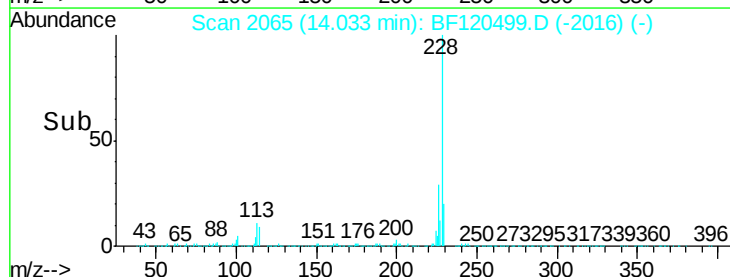
Abundance Ion 228.00 (227.70 to 228.70): E

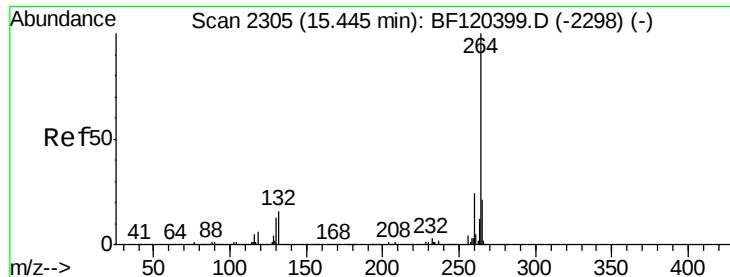
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

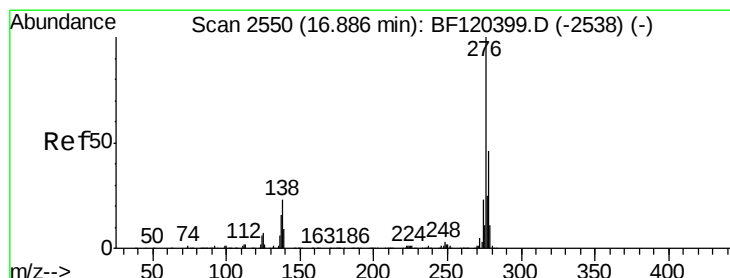
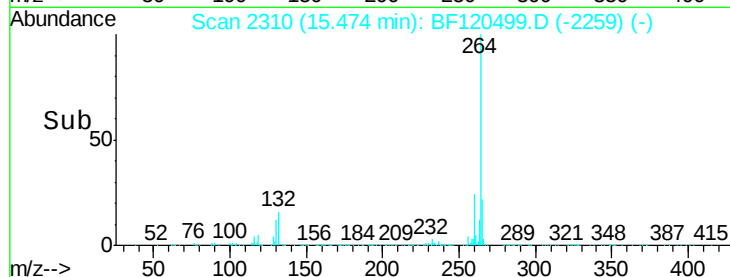
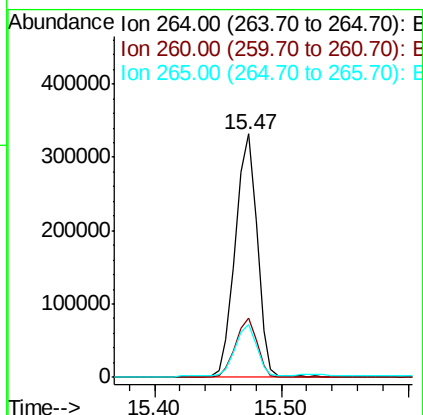
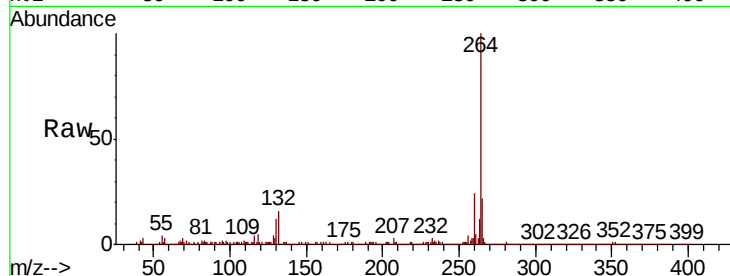




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

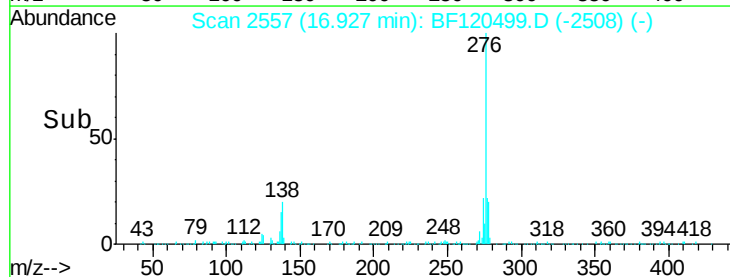
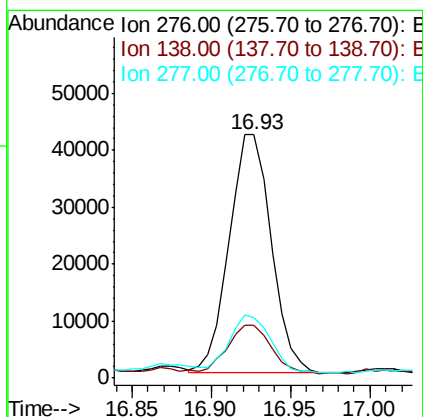
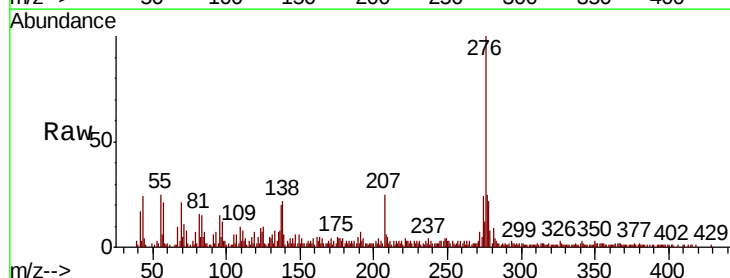
Instrument :
BNA_G
ClientSampleId :

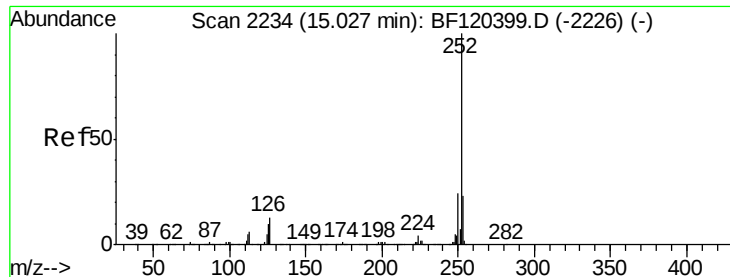
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.0	17.6	26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.602 ng
RT: 16.93 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.3	28.9
277	24.0	20.7	31.1

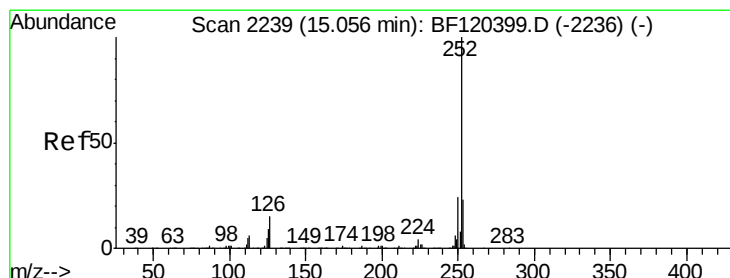
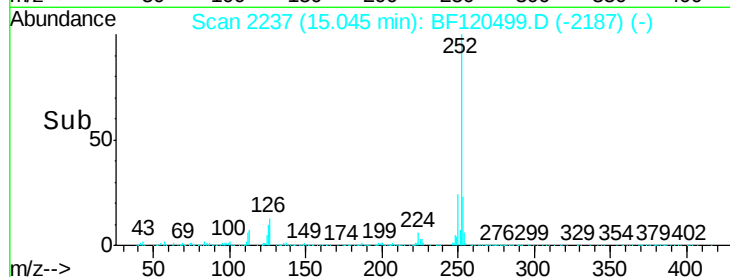
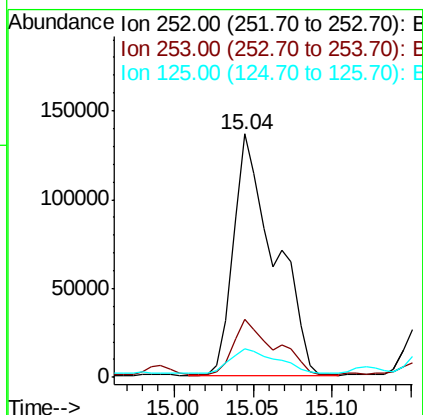
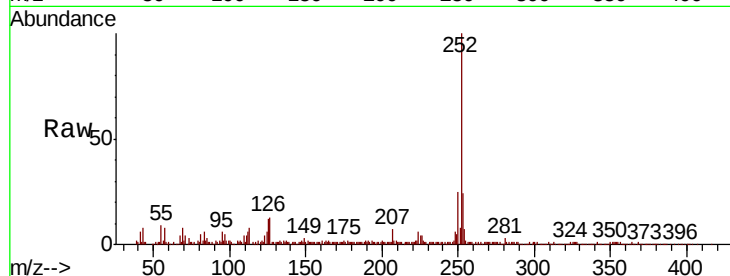




#88
Benzo(b)fluoranthene
Concen: 11.183 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

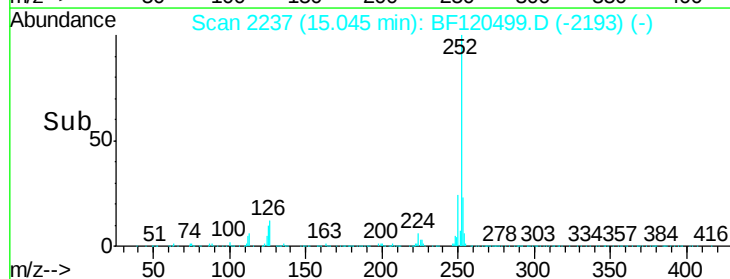
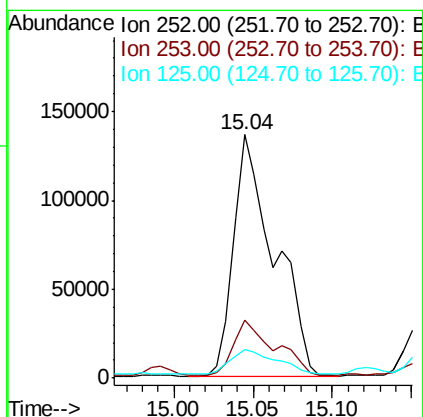
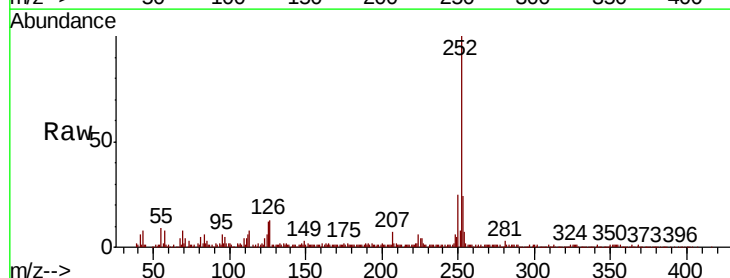
Instrument :
BNA_G
ClientSampleId :

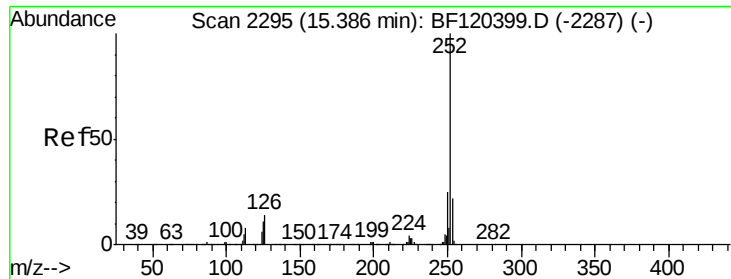
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	11.8	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 11.979 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120499.D
Acq: 2 Jun 2020 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.8	7.1	10.7





#90

Benzo(a)pyrene

Concen: 6.666 ng

RT: 15.41 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

Instrument :

BNA_G

ClientSampled :

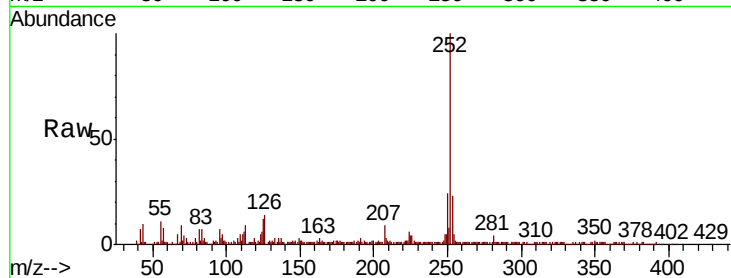
Tot Ion:252 Resp: 126923

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

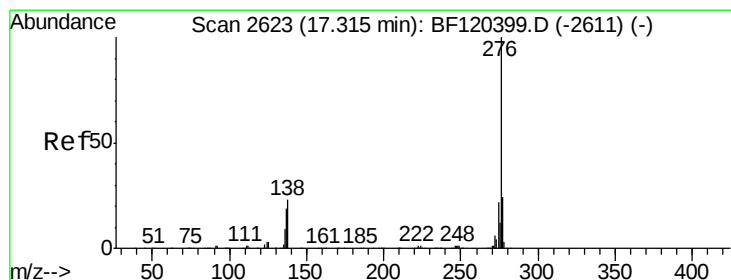
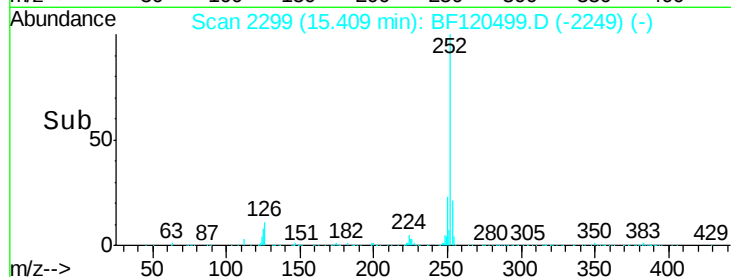
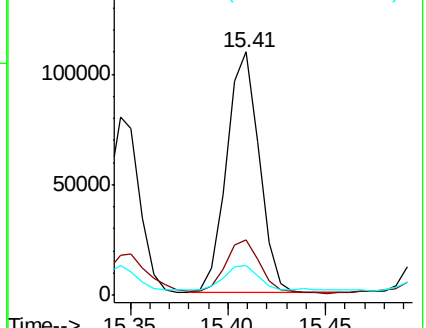
125 12.5 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.394 ng

RT: 17.37 min Scan# 2632

Delta R.T. -0.01 min

Lab File: BF120499.D

Acq: 2 Jun 2020 17:12

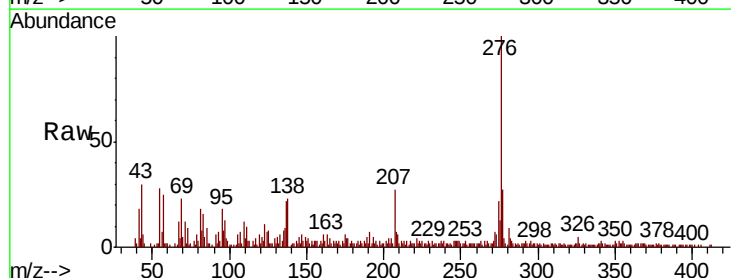
Tgt Ion:276 Resp: 75740

Ion Ratio Lower Upper

276 100

277 26.8 18.8 28.2

138 23.3 16.8 25.2



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

