

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120486.D
 Acq On : 2 Jun 2020 11:18
 Operator : JU/CG
 Sample : L2792-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 02 11:49:18 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	191043	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	698523	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	327984	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	549099	20.00	ng	0.00
76) Chrysene-d12	14.01	240	410340	20.00	ng	0.00
86) Perylene-d12	15.47	264	458880	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	851846	84.98	ng	0.00
7) Phenol-d6	6.47	99	1055017	85.38	ng	0.00
23) Nitrobenzene-d5	7.40	82	682838	63.94	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	258701	85.13	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1251053	64.72	ng	0.00
79) Terphenyl-d14	12.95	244	1125488	61.03	ng	0.00

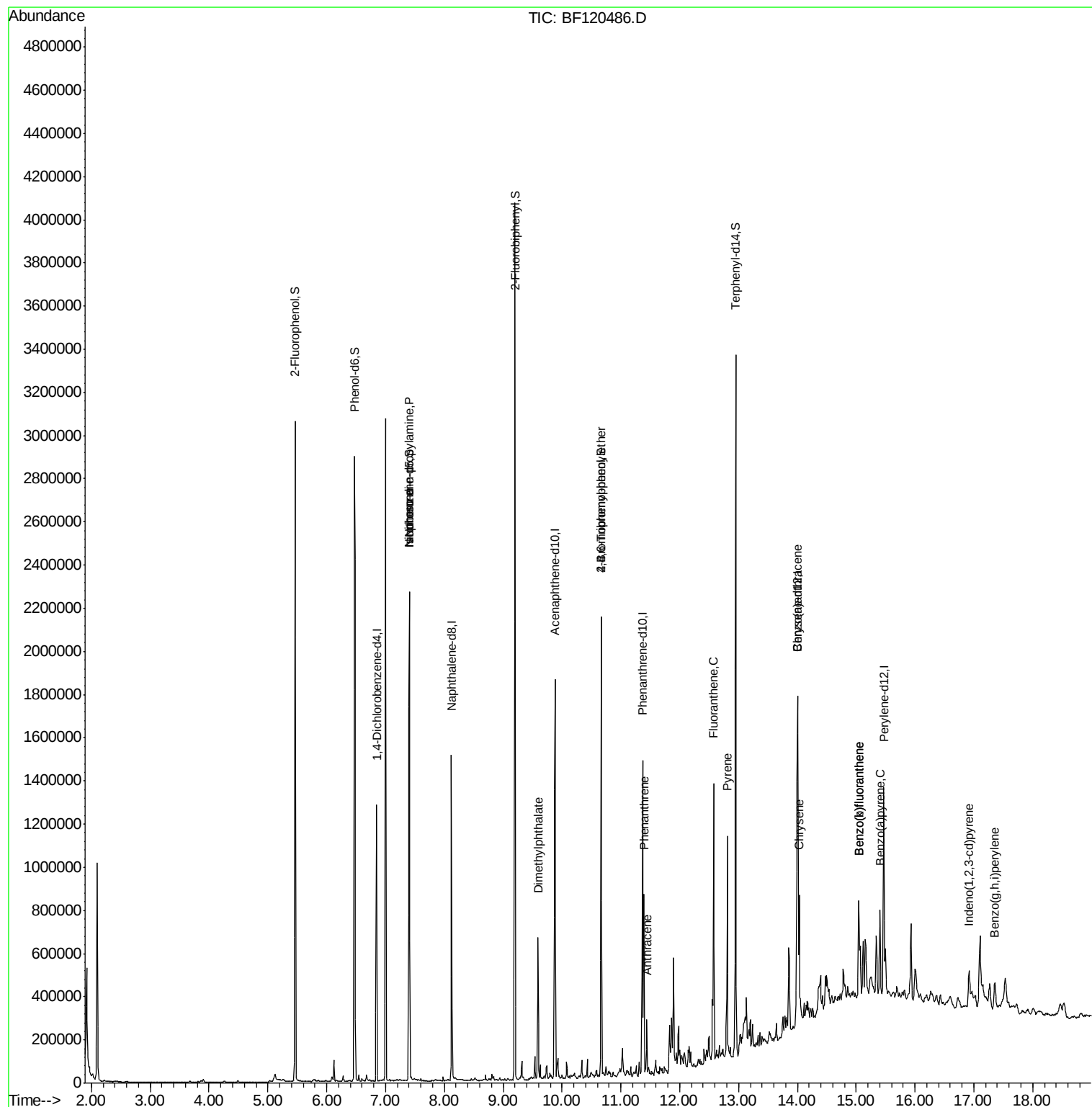
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	89995	11.458	ng	# 77
25) Isophorone	7.40	82	677718	31.577	ng	# 64
50) Dimethylphthalate	9.59	163	224107	10.930	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	15476	2.792	ng	# 1
71) Phenanthrene	11.39	178	314947	13.017	ng	98
72) Anthracene	11.44	178	84134	3.466	ng	98
75) Fluoranthene	12.58	202	477291	18.333	ng	98
78) Pyrene	12.81	202	401289	14.062	ng	98
81) Benzo(a)anthracene	14.00	228	219781	9.994	ng	98
83) Chrysene	14.03	228	200256	8.686	ng	96
87) Indeno(1,2,3-cd)pyrene	16.92	276	116363	4.636	ng	95
88) Benzo(b)fluoranthene	15.04	252	348730	13.682	ng	99
89) Benzo(k)fluoranthene	15.04	252	348730	14.656	ng	# 97
90) Benzo(a)pyrene	15.40	252	186597	8.370	ng	99
92) Benzo(a,h,i)perylene	17.36	276	107621	5.333	ng	99

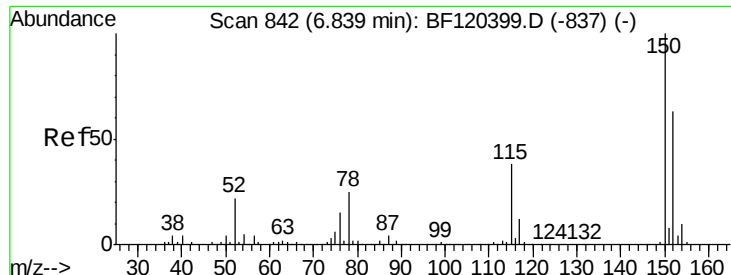
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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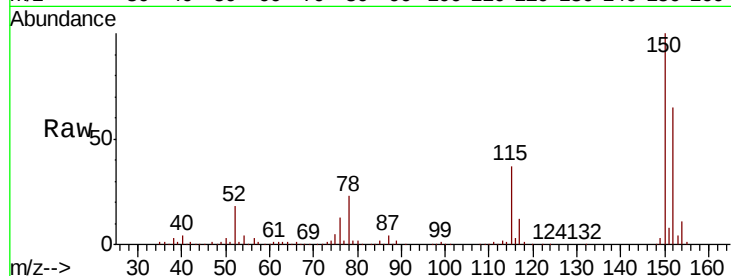


#1

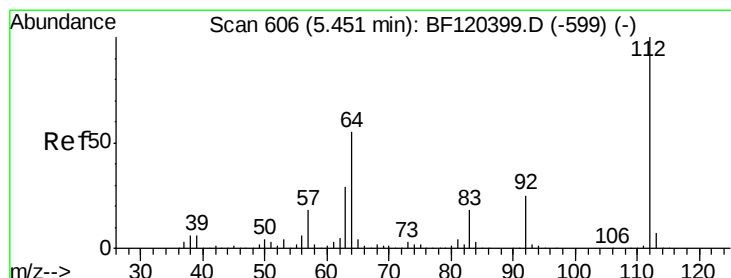
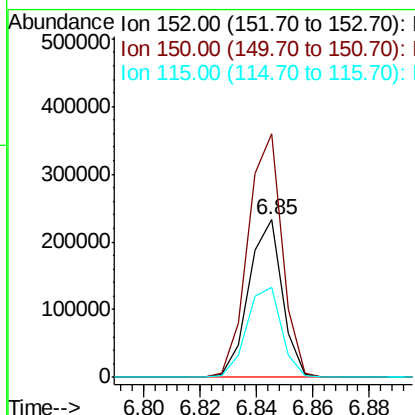
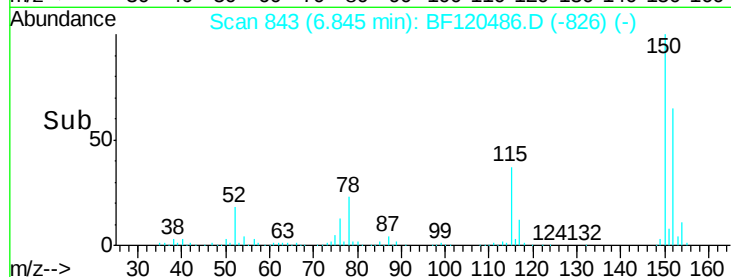
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 191043
Ion Ratio Lower Upper
152 100
150 154.9 126.7 190.1
115 57.2 46.2 69.2



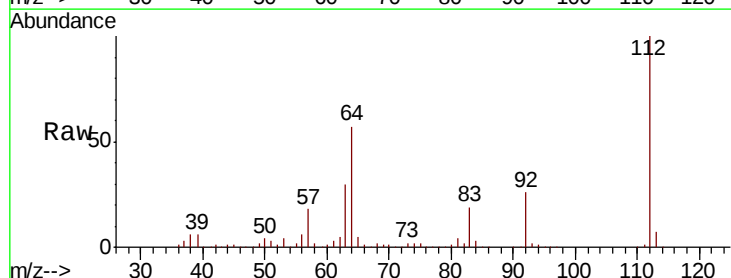
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



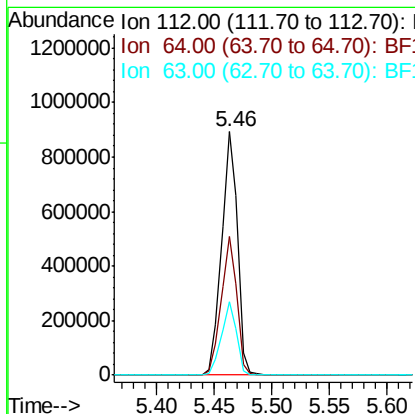
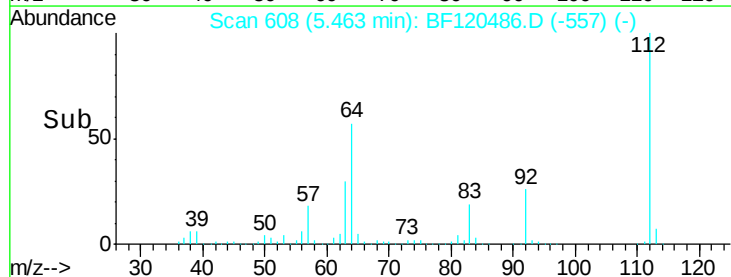
#5

2-Fluorophenol
Concen: 84.976 ng
RT: 5.46 min Scan# 608
Delta R.T. 0.00 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion:112 Resp: 851846
Ion Ratio Lower Upper
112 100
64 57.1 46.3 69.5
63 29.9 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: 85.385 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampled :

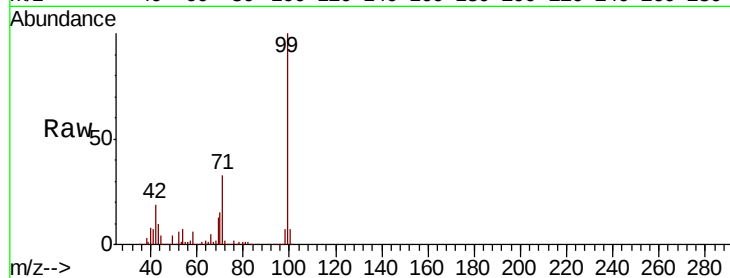
Tot Ion: 99 Resp: 1055017

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

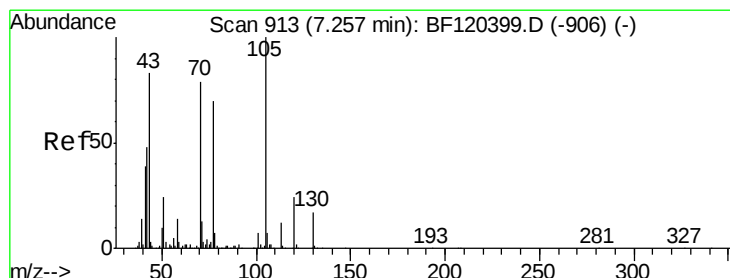
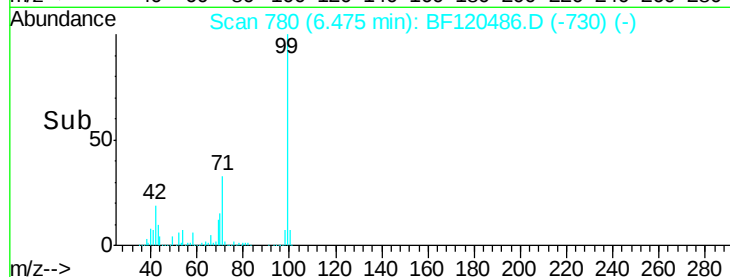
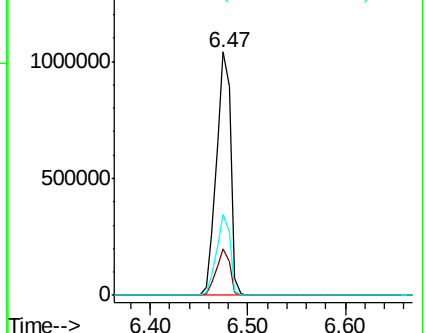
71 33.1 26.2 39.4



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: 11.458 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Tgt Ion: 70 Resp: 89995

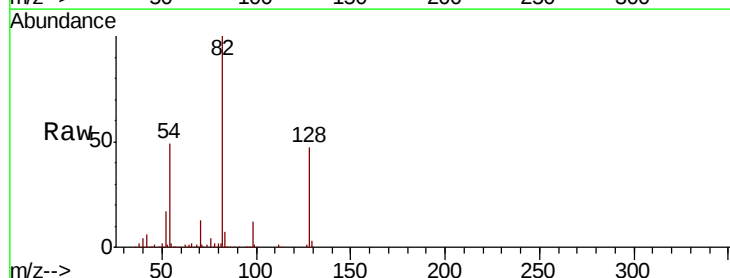
Ion Ratio Lower Upper

70 100

42 47.0 47.4 71.2#

101 0.0 7.8 11.6#

130 2.4 17.1 25.7#

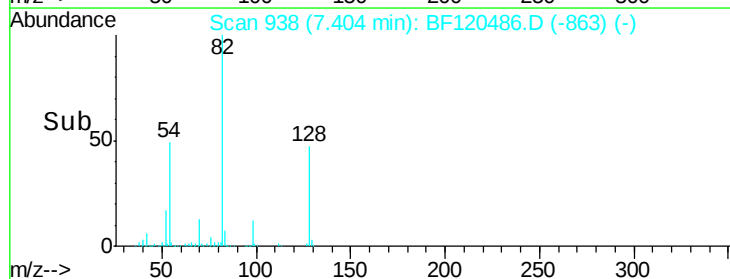
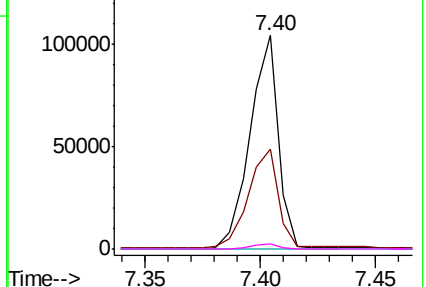


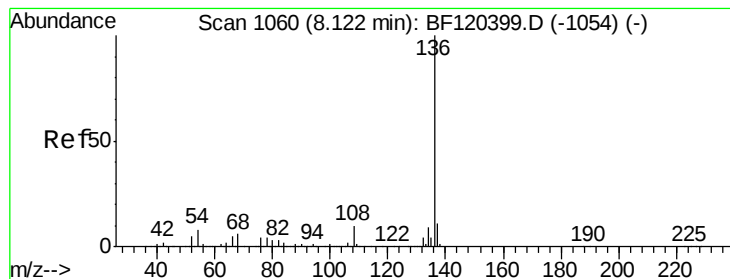
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 698523

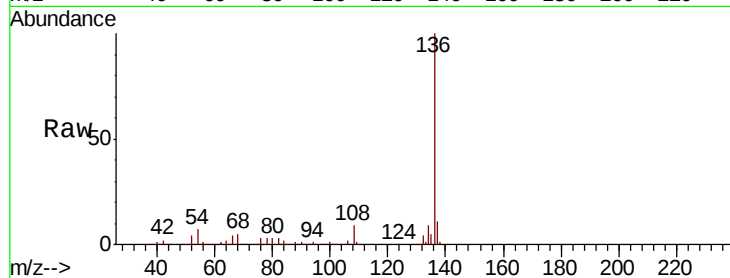
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 6.9 6.2 9.4

68 5.4 5.0 7.6

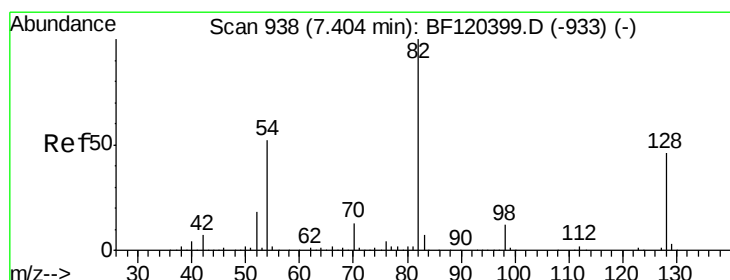
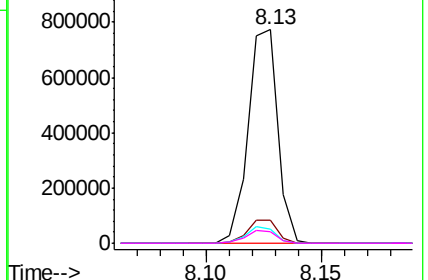
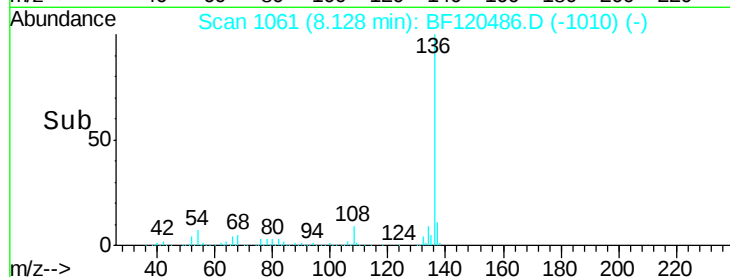


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.944 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

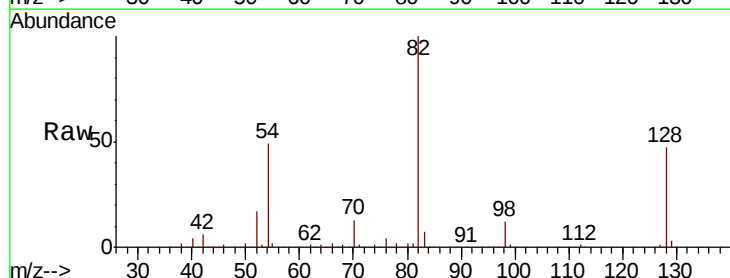
Tgt Ion: 82 Resp: 682838

Ion Ratio Lower Upper

82 100

128 47.3 37.0 55.6

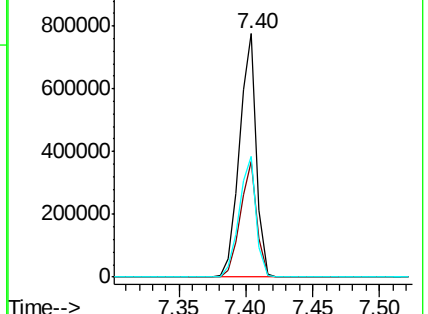
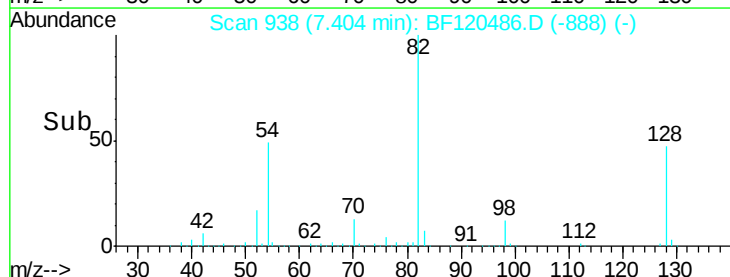
54 49.4 41.0 61.4



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: 31.577 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampleId :

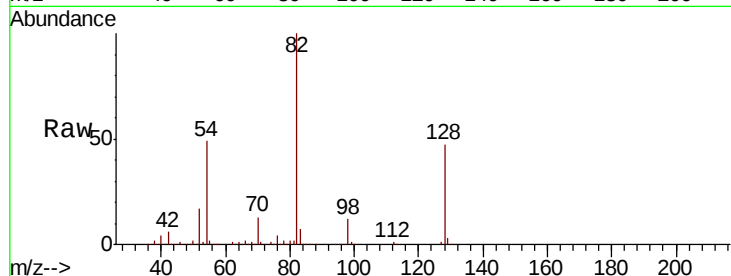
Tot Ion: 82 Resp: 677718

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

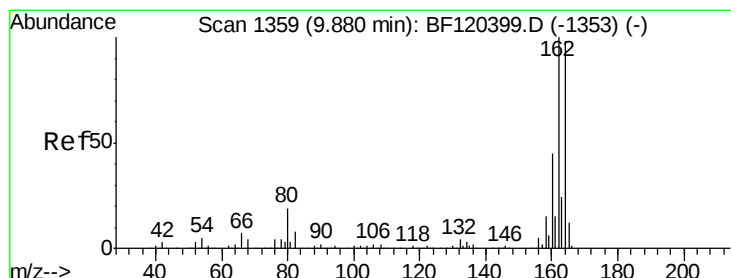
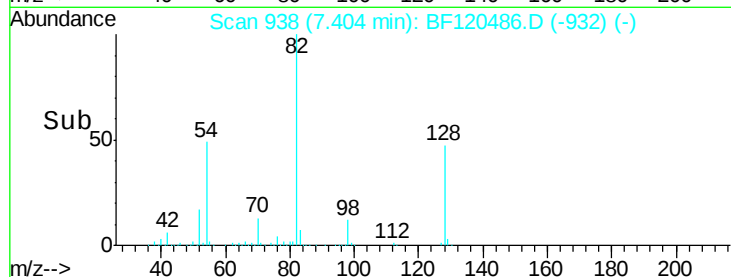
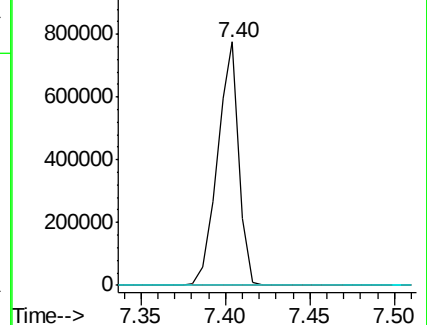
138 0.0 15.0 22.6#



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: BF120486.D

Acq: 2 Jun 2020 11:18

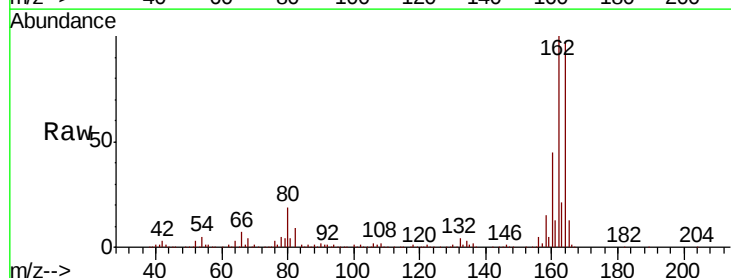
Tgt Ion:164 Resp: 327984

Ion Ratio Lower Upper

164 100

162 103.6 81.9 122.9

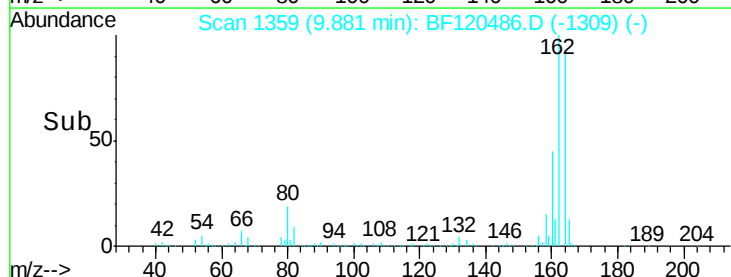
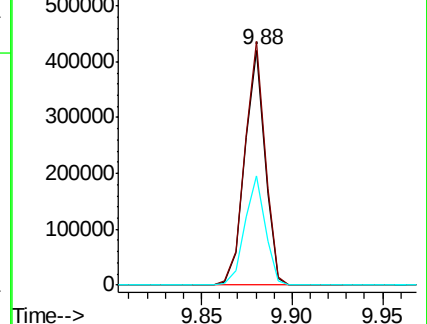
160 46.5 37.4 56.0

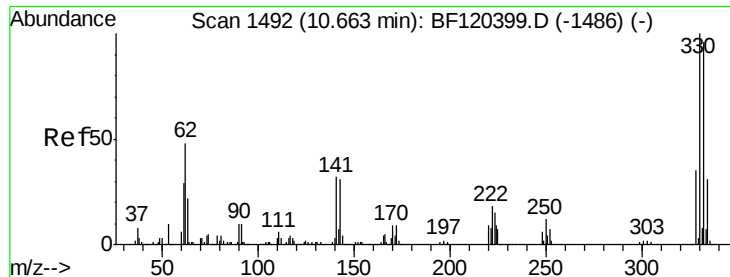


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 85.129 ng

RT: 10.67 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampleId :

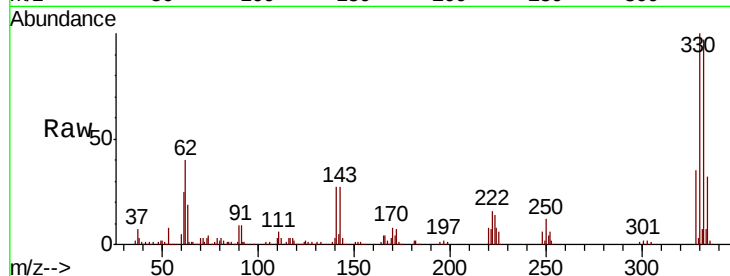
Tot Ion:330 Resp: 258701

Ion Ratio Lower Upper

330 100

332 95.9 76.8 115.2

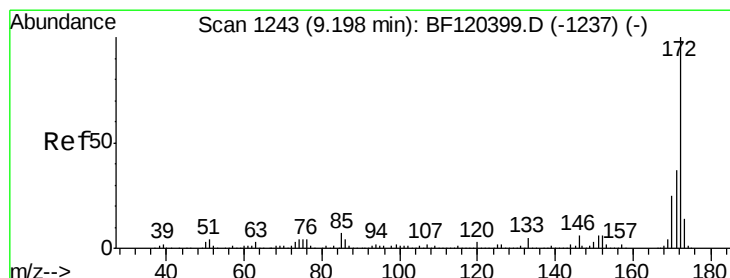
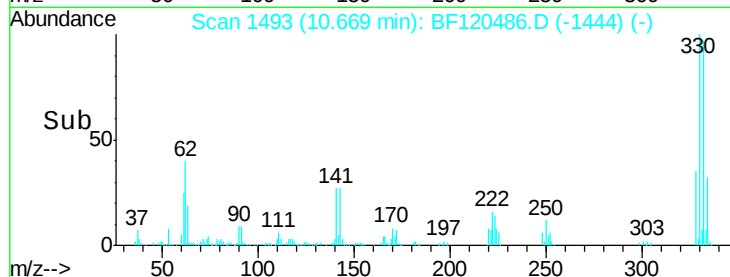
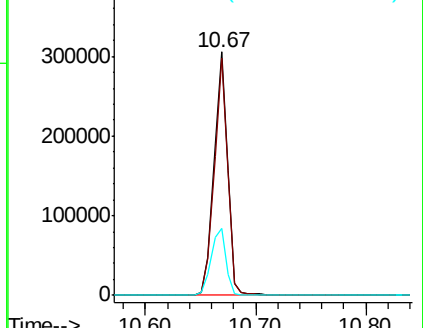
141 29.6 23.9 35.9



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: 64.718 ng

RT: 9.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

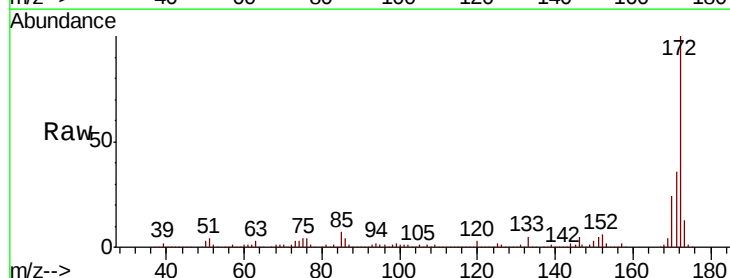
Tgt Ion:172 Resp: 1251053

Ion Ratio Lower Upper

172 100

171 35.8 29.4 44.2

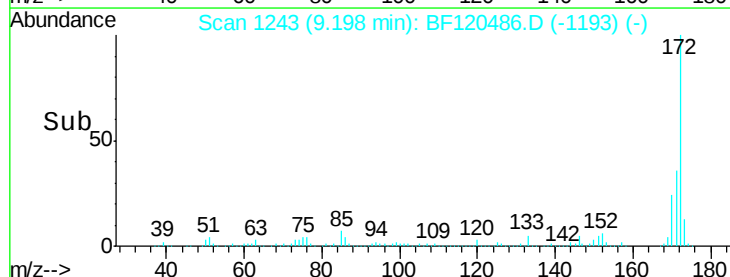
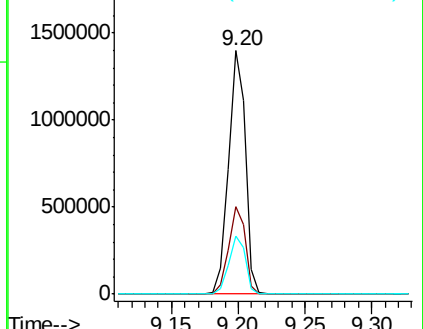
170 23.9 19.9 29.9

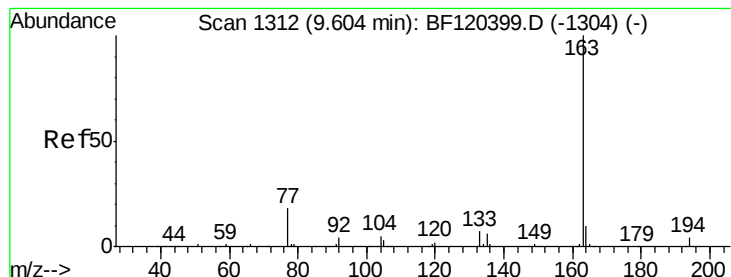


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.930 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampleId :

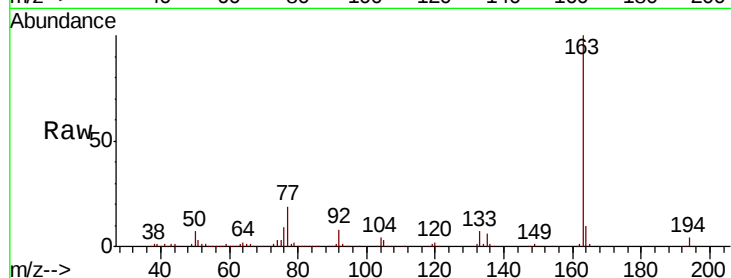
Tot Ion:163 Resp: 224107

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

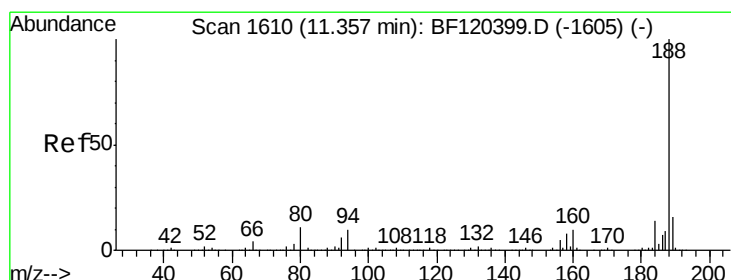
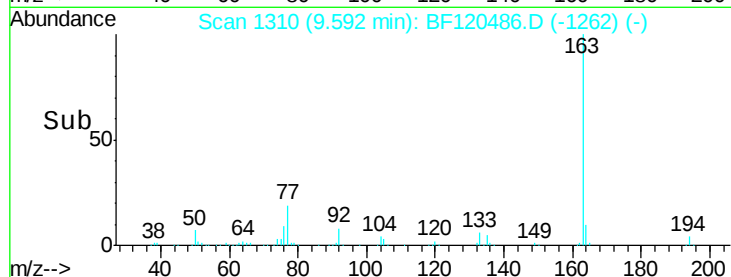
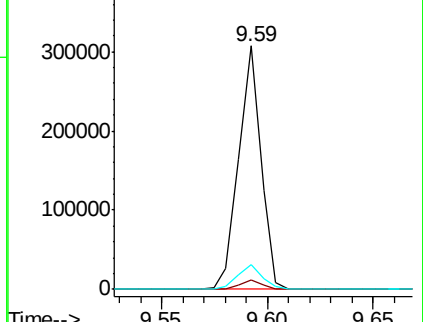
164 10.1 8.2 12.2



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: BF120486.D

Acq: 2 Jun 2020 11:18

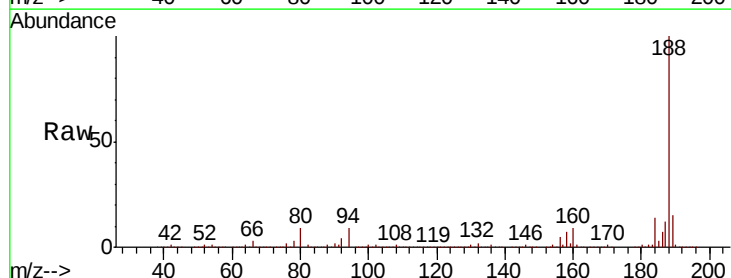
Tgt Ion:188 Resp: 549099

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

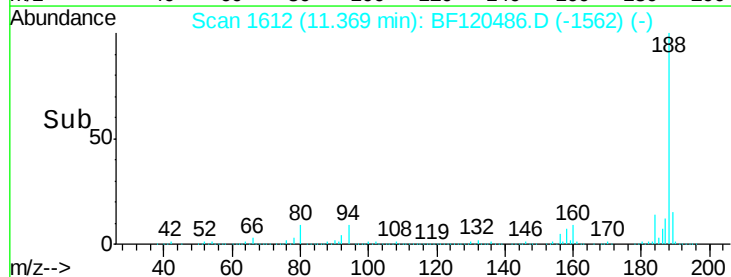
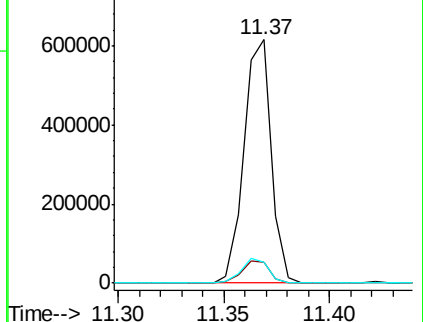
80 8.8 7.1 10.7

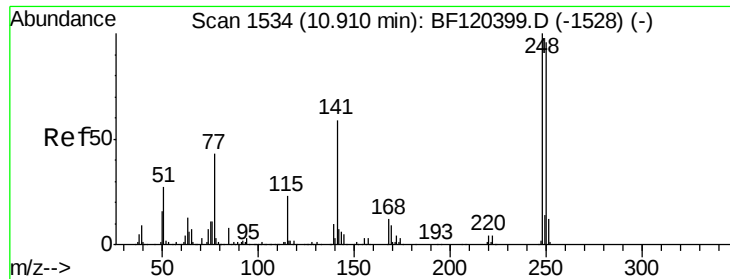


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

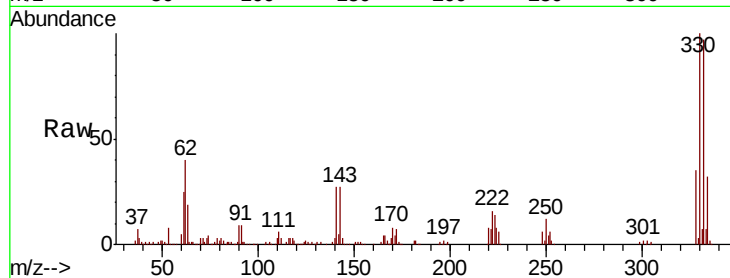




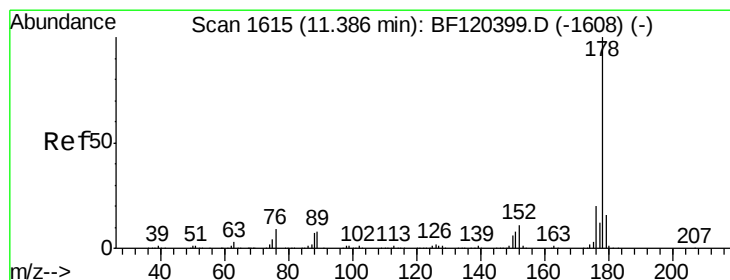
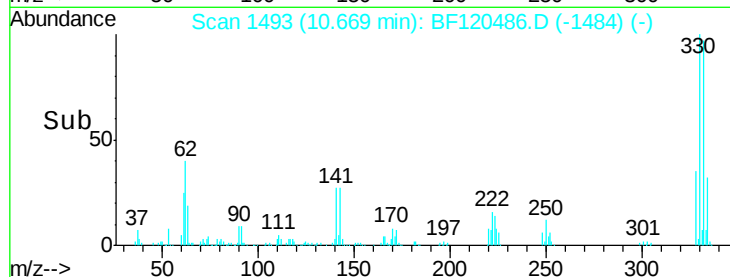
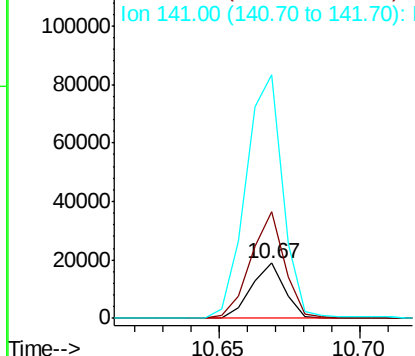
#67
4-Bromophenyl-phenylether
Concen: 2.792 ng
RT: 10.67 min Scan# 1493
Delta R.T. -0.25 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 15476
Ion Ratio Lower Upper
248 100
250 193.8 77.8 116.6#
141 442.9 54.8 82.2#

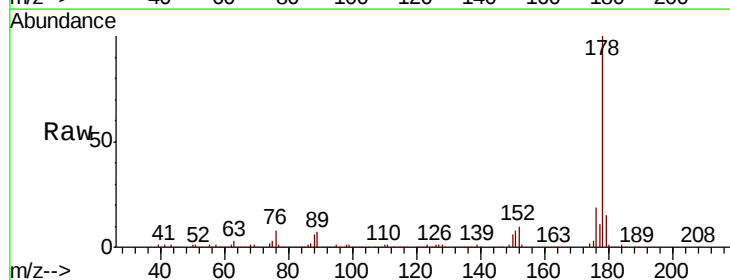


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

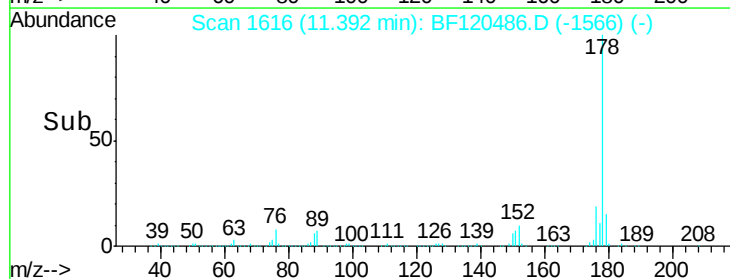
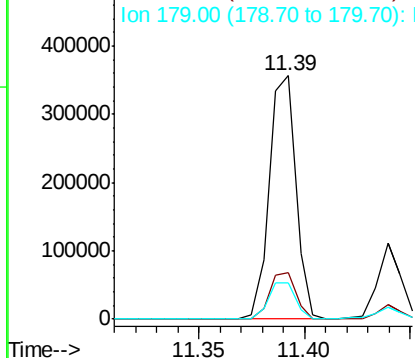


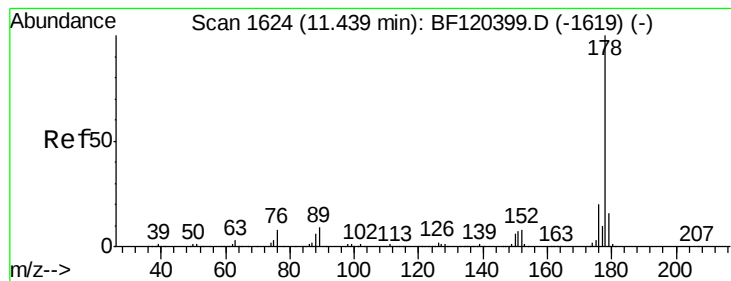
#71
Phenanthrene
Concen: 13.017 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion:178 Resp: 314947
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 14.7 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





#72

Anthracene

Concen: 3.466 ng

RT: 11.44 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampled :

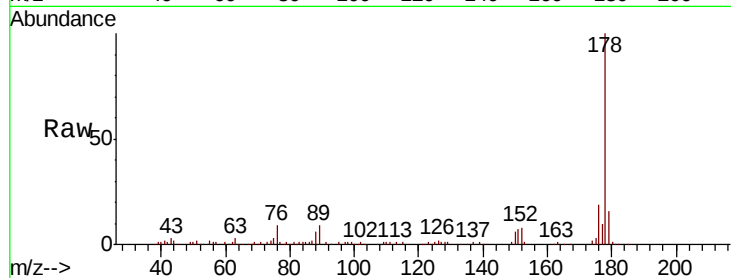
Tot Ion:178 Resp: 84134

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

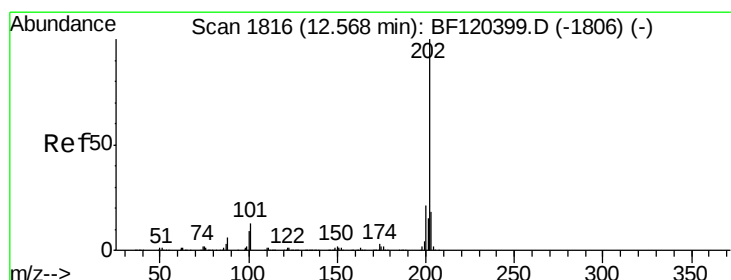
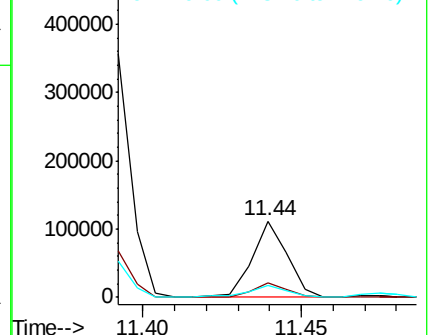
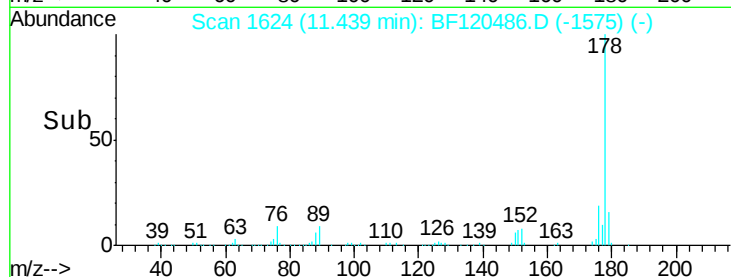
179 15.7 12.7 19.1



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: 18.333 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

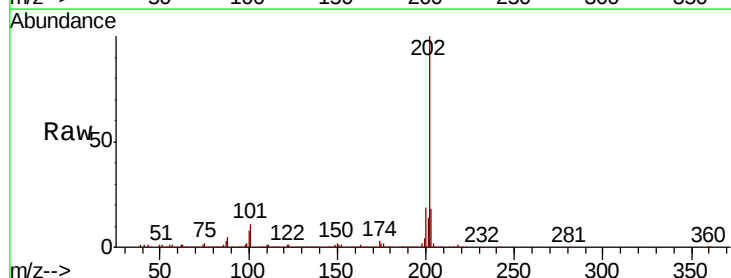
Tgt Ion:202 Resp: 477291

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

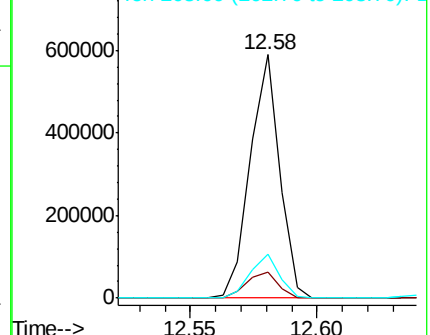
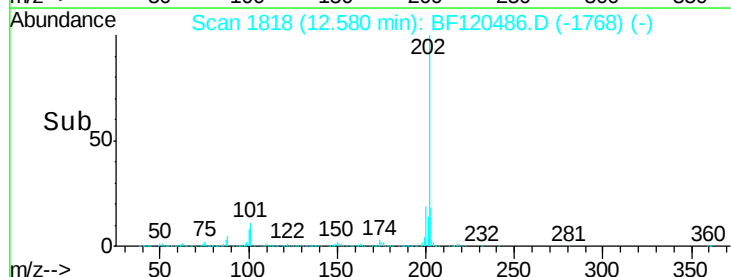
203 18.1 0.0 38.8

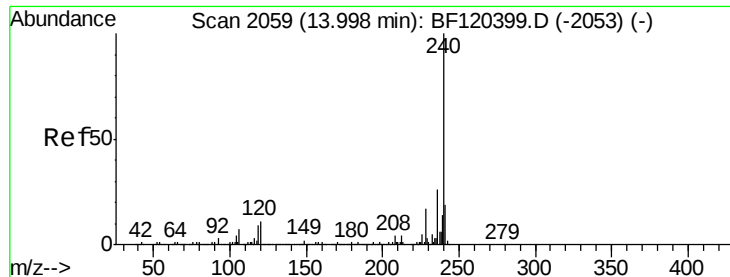


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

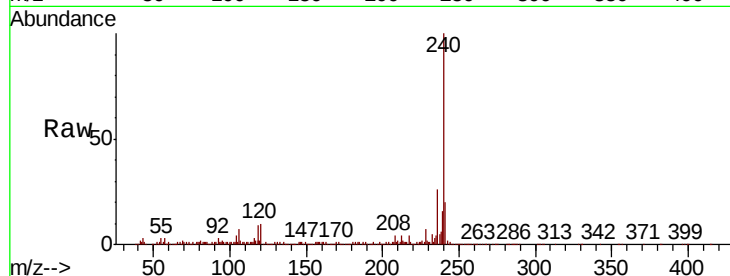




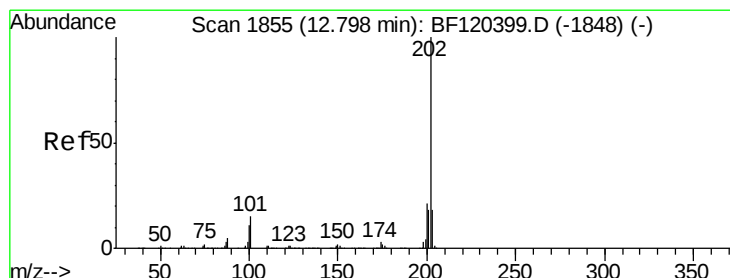
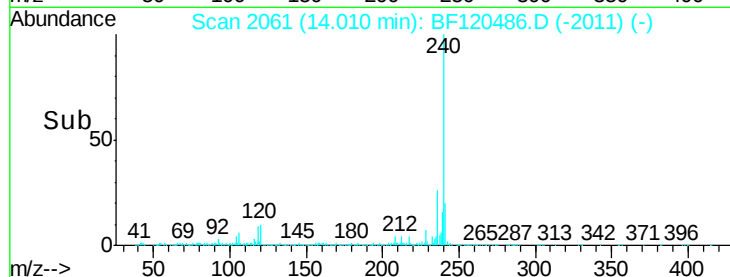
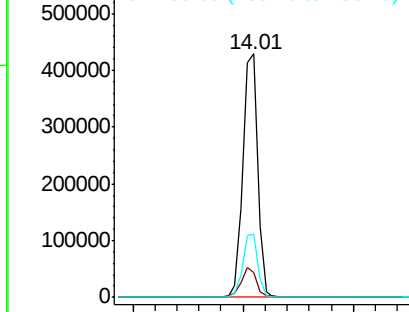
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.9	14.9
236	26.1	21.0	31.6

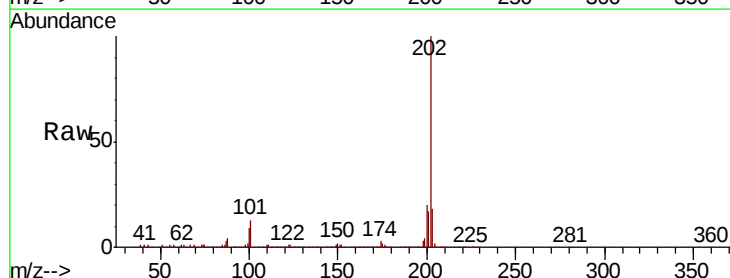


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

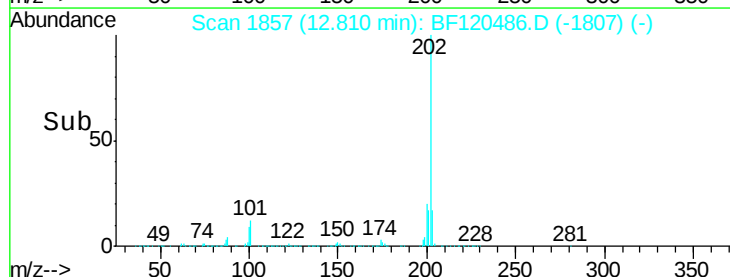
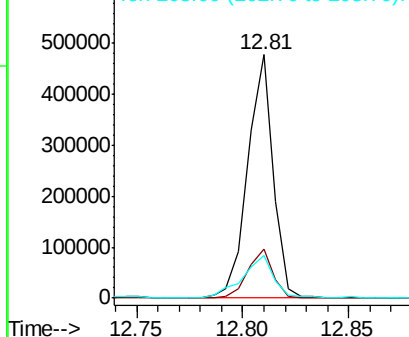


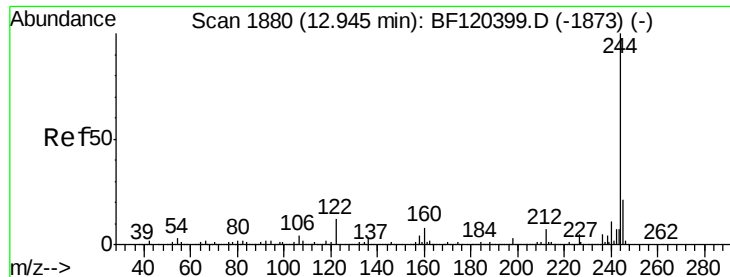
#78
Pyrene
Concen: 14.062 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.6
203	17.8	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: 61.034 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampleId :

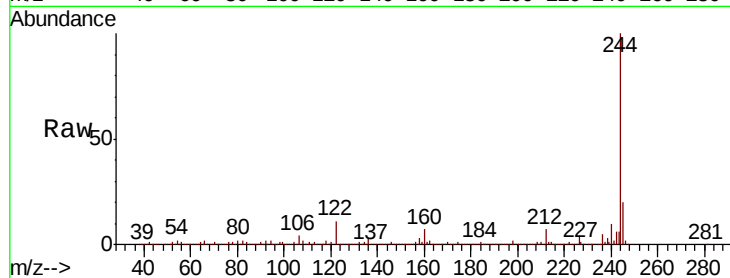
Tot Ion:244 Resp: 1125488

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

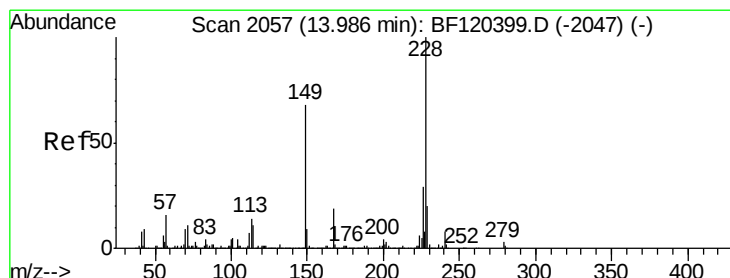
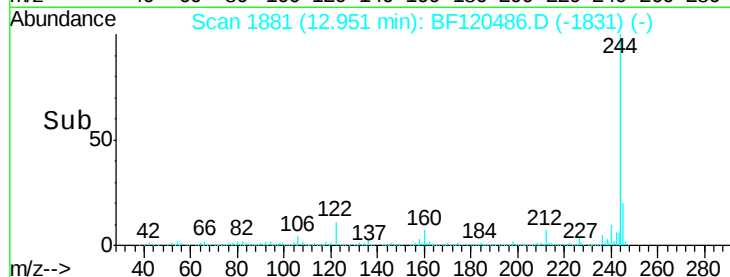
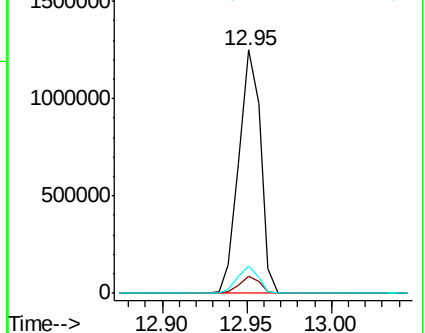
122 11.3 8.7 13.1



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: 9.994 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

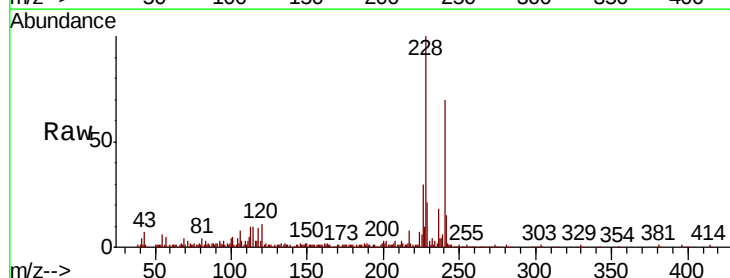
Tgt Ion:228 Resp: 219781

Ion Ratio Lower Upper

228 100

226 30.4 22.9 34.3

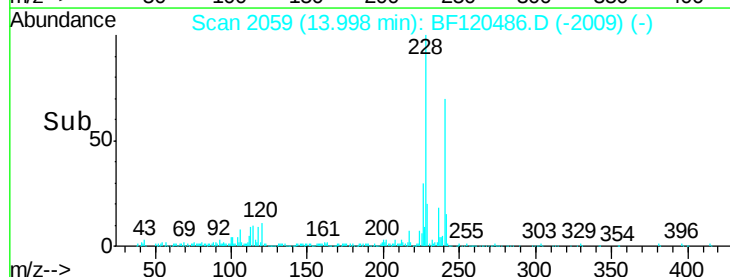
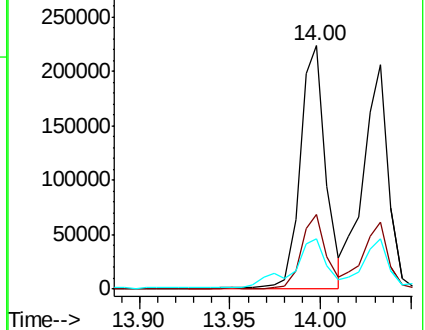
229 20.9 16.3 24.5

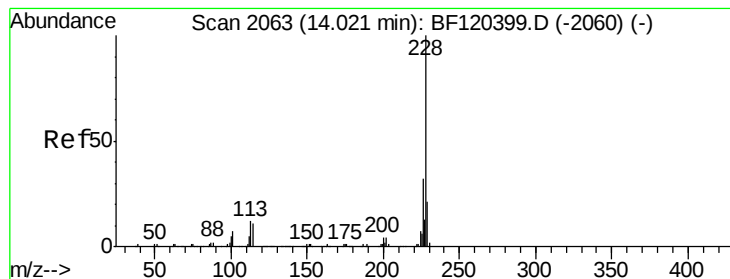


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.686 ng

RT: 14.03 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

Instrument :

BNA_G

ClientSampleId :

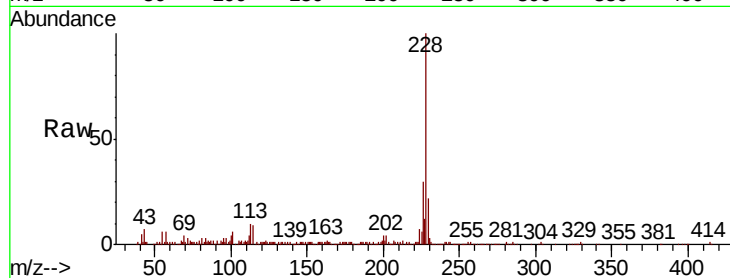
Tot Ion:228 Resp: 200256

Ion Ratio Lower Upper

228 100

226 30.0 25.7 38.5

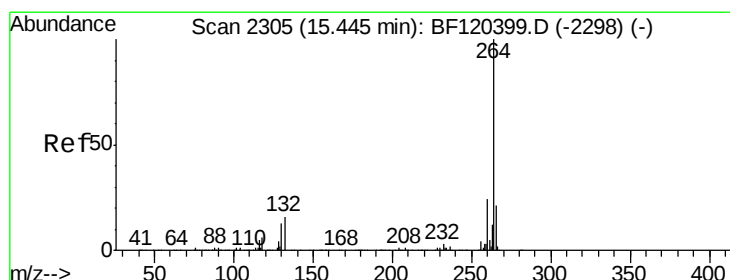
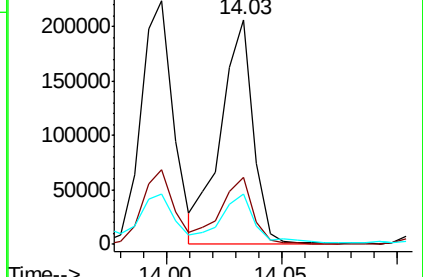
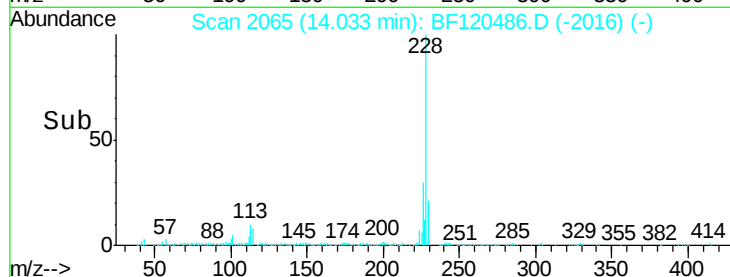
229 22.1 16.4 24.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BF120486.D

Acq: 2 Jun 2020 11:18

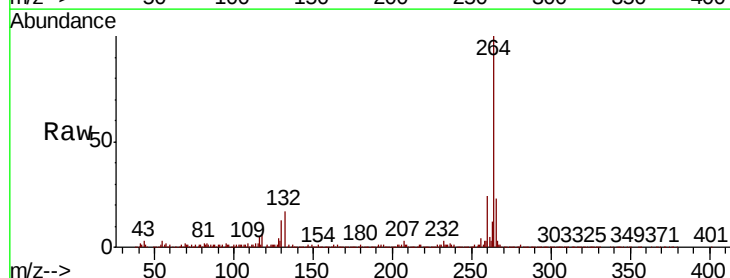
Tgt Ion:264 Resp: 458880

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

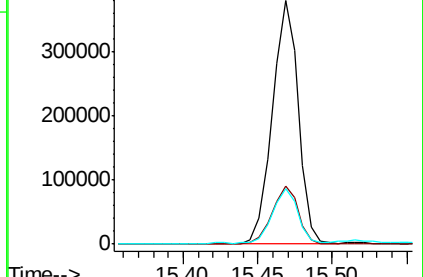
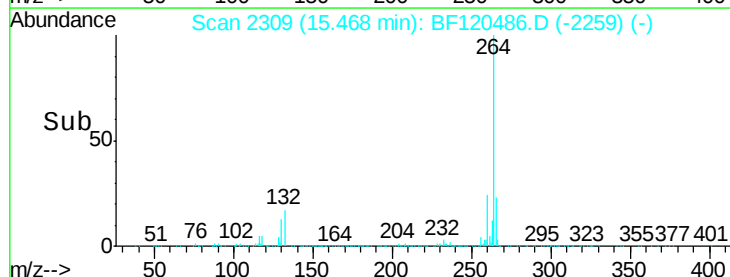
265 22.8 17.6 26.4

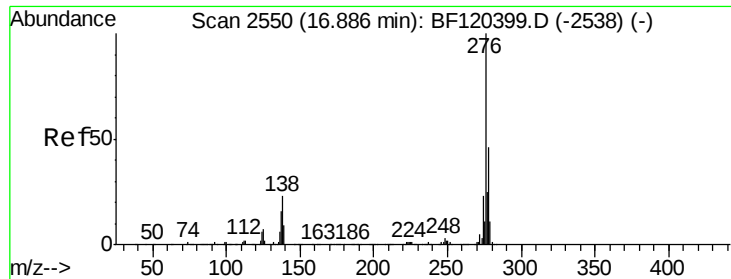


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

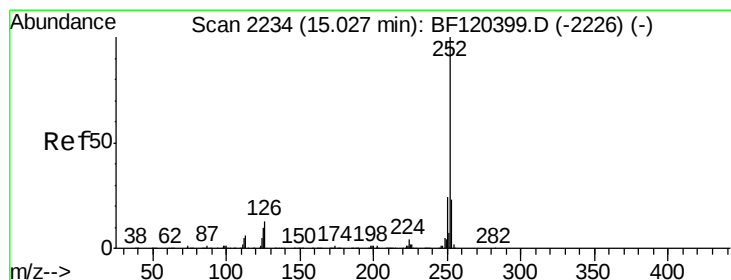
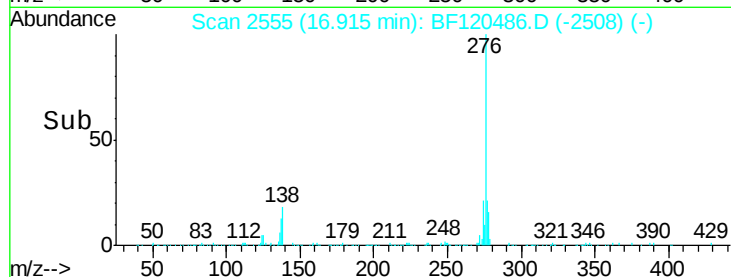
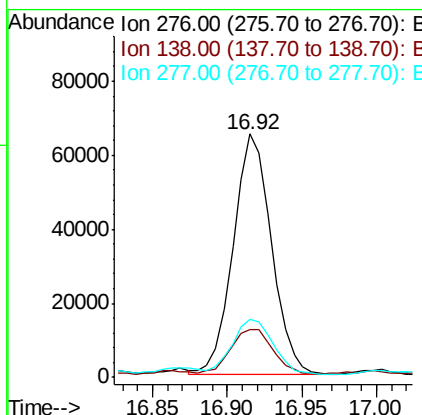
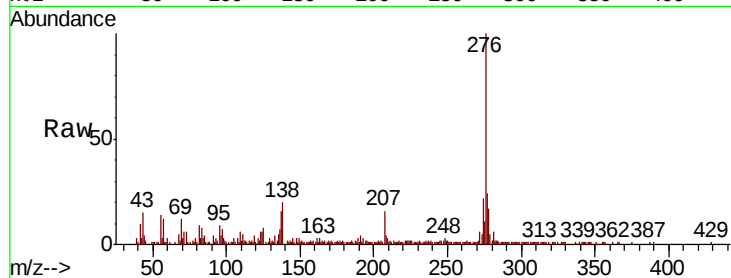




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.636 ng
 RT: 16.92 min Scan# 2555
 Delta R.T. -0.02 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

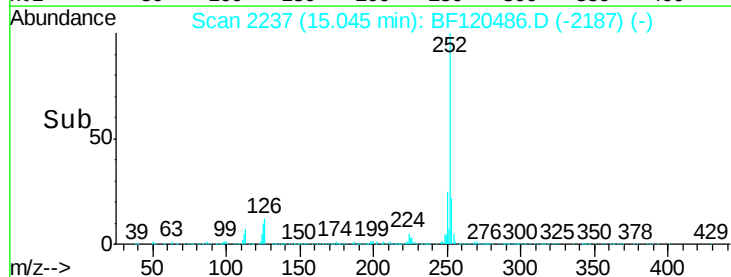
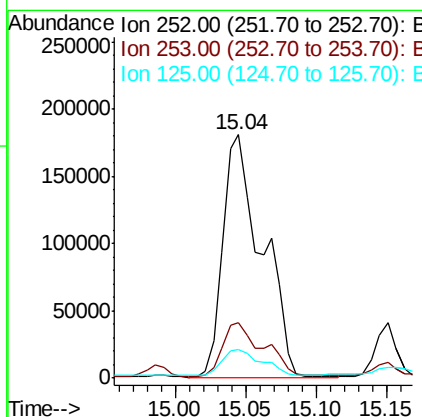
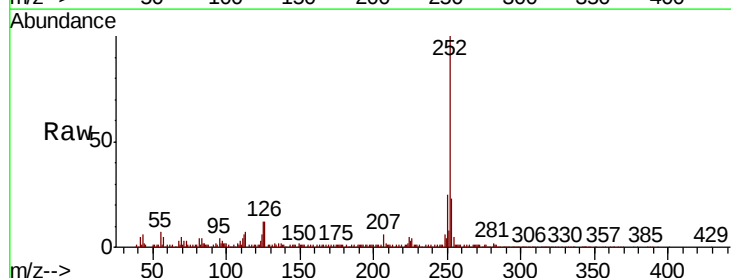
Instrument :
 BNA_G
 ClientSampleId :

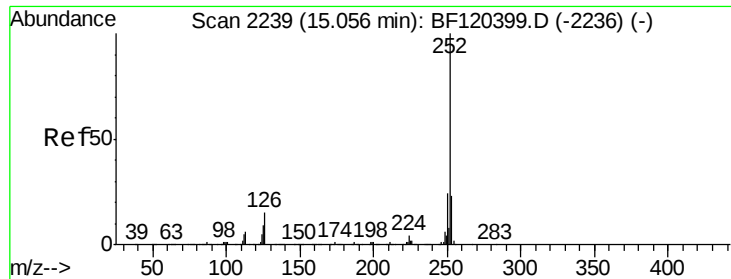
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.3	28.9
277	24.8	20.7	31.1



#88
 Benzo(b)fluoranthene
 Concen: 13.682 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.5	8.2	12.4

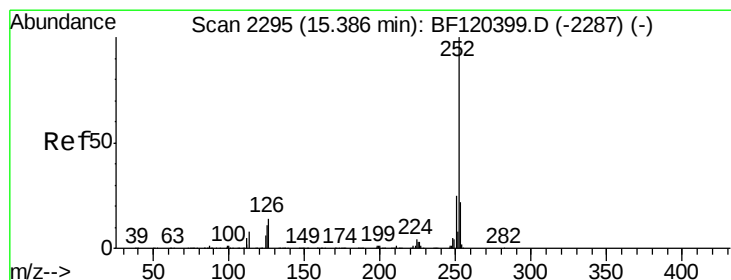
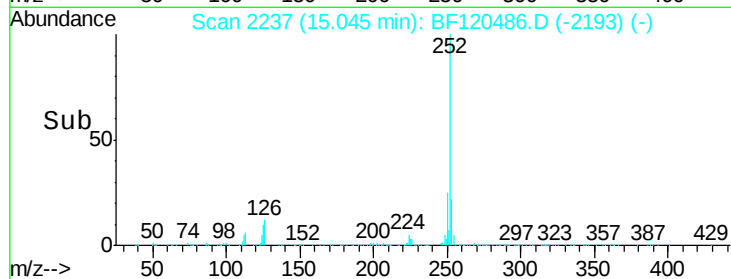
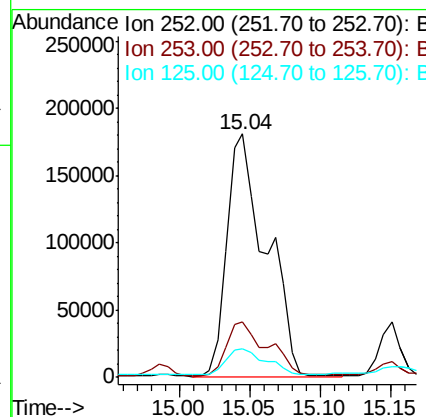
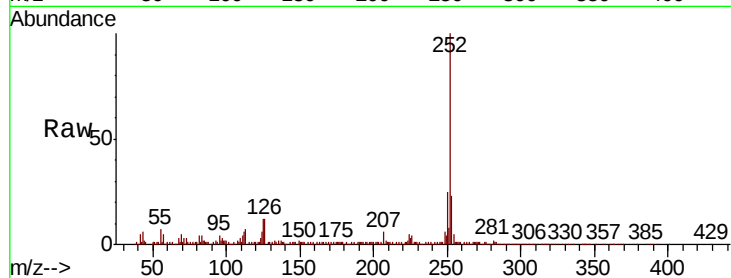




#89
Benzo(k)fluoranthene
Concen: 14.656 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

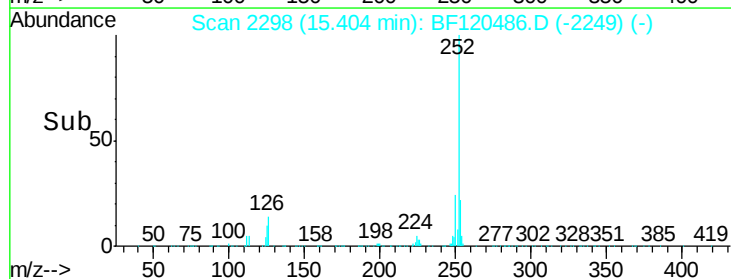
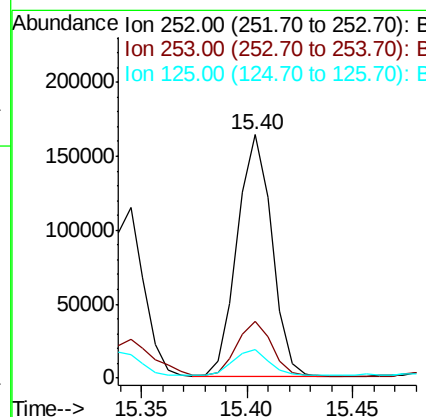
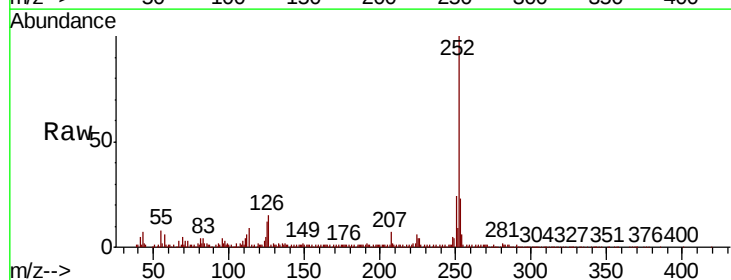
Instrument :
BNA_G
ClientSampleId :

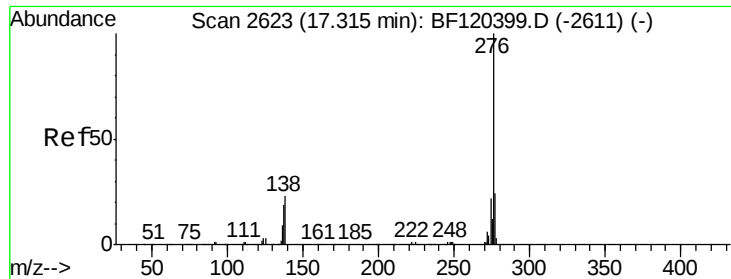
Tot Ion:252 Resp: 348730
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.5 7.1 10.7#



#90
Benzo(a)pyrene
Concen: 8.370 ng
RT: 15.40 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BF120486.D
Acq: 2 Jun 2020 11:18

Tgt Ion:252 Resp: 186597
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 11.5 9.0 13.4

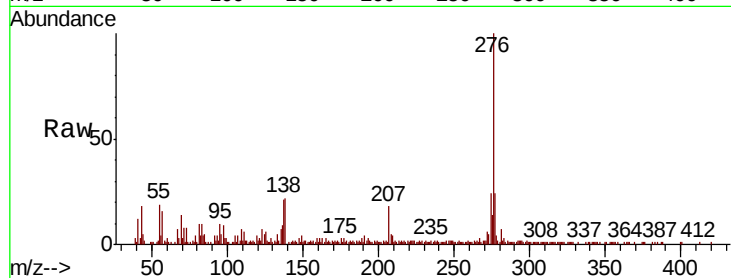




#92
 Benzo(a,h,i)perylene
 Concen: 5.333 ng
 RT: 17.36 min Scan# 2630
 Delta R.T. -0.02 min
 Lab File: BF120486.D
 Acq: 2 Jun 2020 11:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	21.6	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

