

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120497.D
 Acq On : 2 Jun 2020 16:17
 Operator : JU/CG
 Sample : L2798-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 02 17:34:42 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	212070	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	760440	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	361901	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	586426	20.00	ng	0.00
76) Chrysene-d12	14.01	240	411496	20.00	ng	0.00
86) Perylene-d12	15.47	264	395664	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	941278	84.59	ng	0.00
7) Phenol-d6	6.48	99	1189441	86.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	774415	66.62	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	294584	87.85	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1414192	66.30	ng	0.00
79) Terphenyl-d14	12.96	244	1198947	64.84	ng	0.00

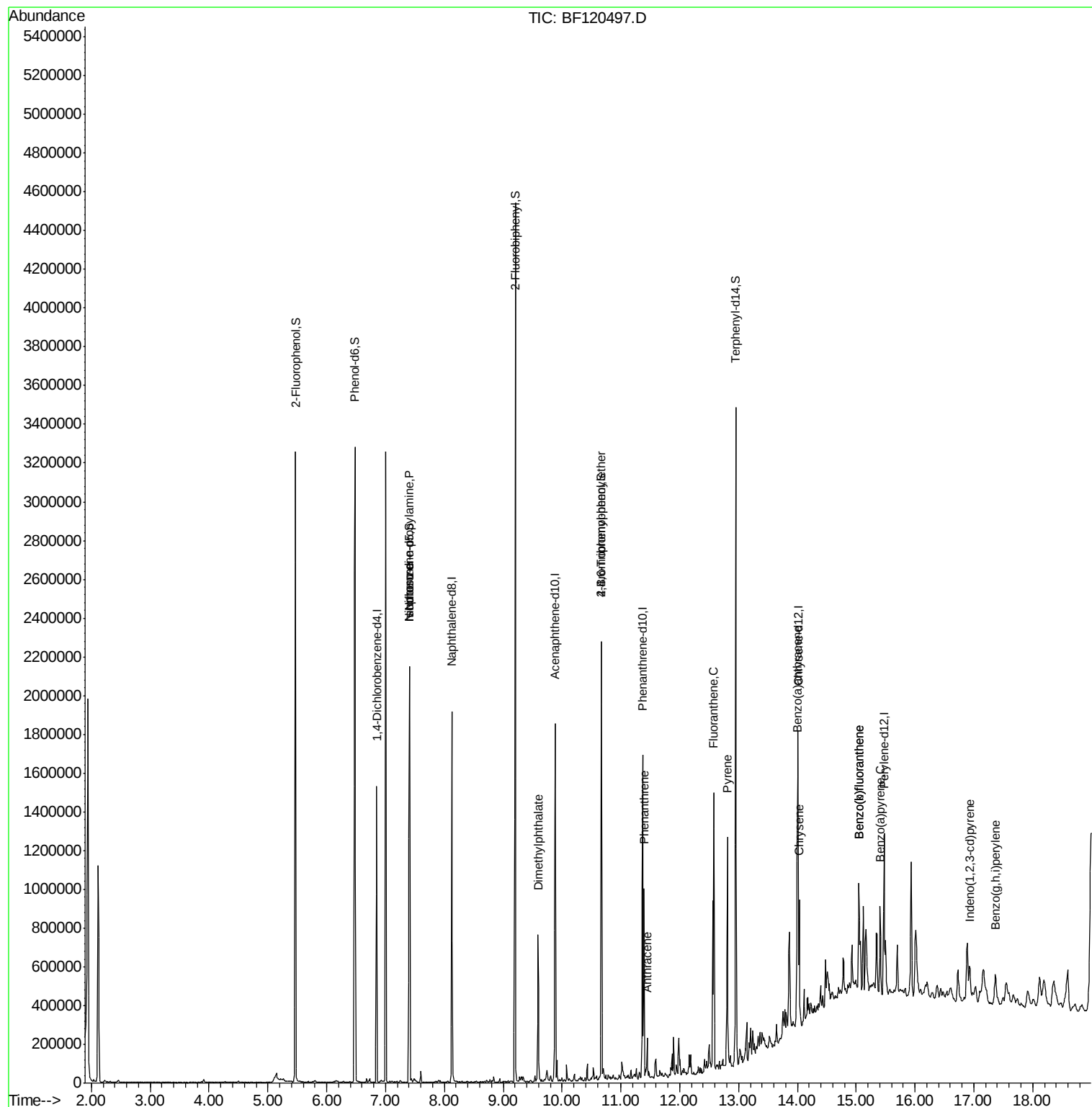
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	103597	11.882	ng	# 80
25) Isophorone	7.40	82	770915	32.994	ng	# 64
50) Dimethylphthalate	9.59	163	268266	11.857	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	17247	2.914	ng	# 1
71) Phenanthrene	11.39	178	310444	12.014	ng	98
72) Anthracene	11.44	178	82822	3.195	ng	98
75) Fluoranthene	12.58	202	571173	20.543	ng	98
78) Pyrene	12.81	202	496973	17.366	ng	98
81) Benzo(a)anthracene	14.00	228	284218	12.887	ng	98
83) Chrysene	14.03	228	247769	10.716	ng	97
87) Indeno(1,2,3-cd)pyrene	16.93	276	123164	5.691	ng	97
88) Benzo(b)fluoranthene	15.04	252	428550	19.500	ng	99
89) Benzo(k)fluoranthene	15.04	252	428550	20.889	ng	# 98
90) Benzo(a)pyrene	15.41	252	219582	11.423	ng	99
92) Benzo(a,h,i)perylene	17.37	276	115873	6.659	ng	98

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

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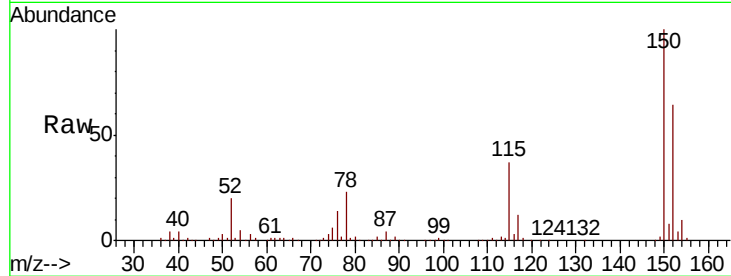


#1

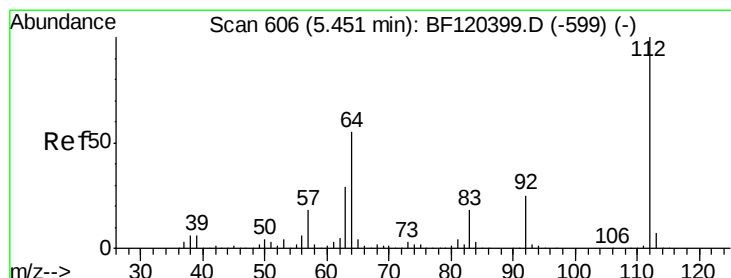
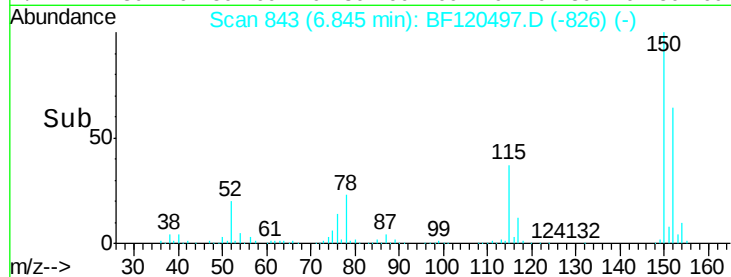
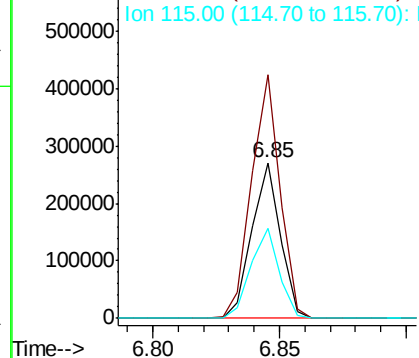
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 212070
Ion Ratio Lower Upper
152 100
150 156.8 126.7 190.1
115 57.9 46.2 69.2



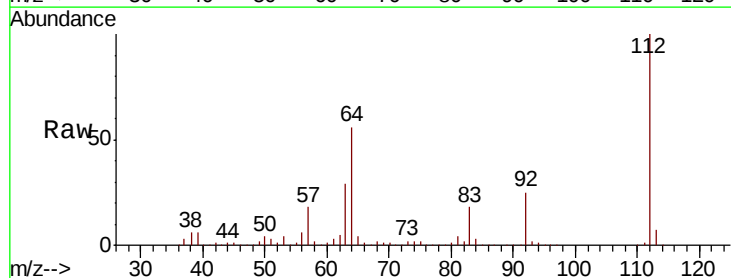
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



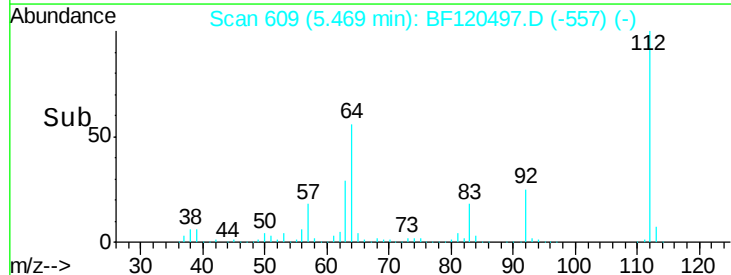
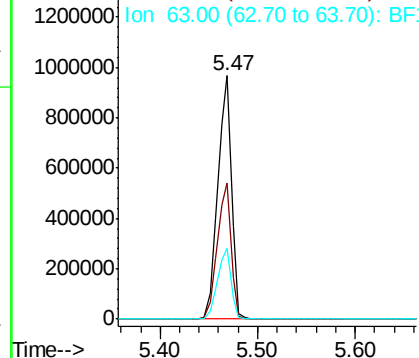
#5

2-Fluorophenol
Concen: 84.587 ng
RT: 5.47 min Scan# 609
Delta R.T. 0.01 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

Tgt Ion:112 Resp: 941278
Ion Ratio Lower Upper
112 100
64 55.9 46.3 69.5
63 28.8 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: 86.720 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.00 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

Instrument :

BNA_G

ClientSampleId :

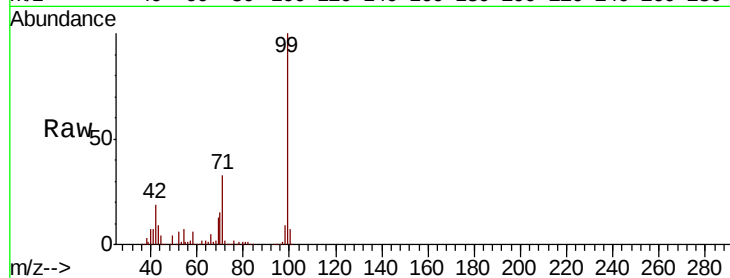
Tot Ion: 99 Resp: 1189441

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

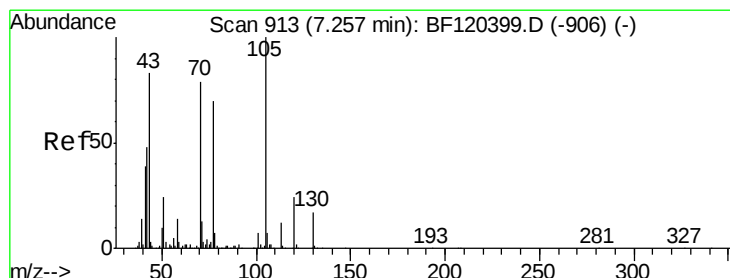
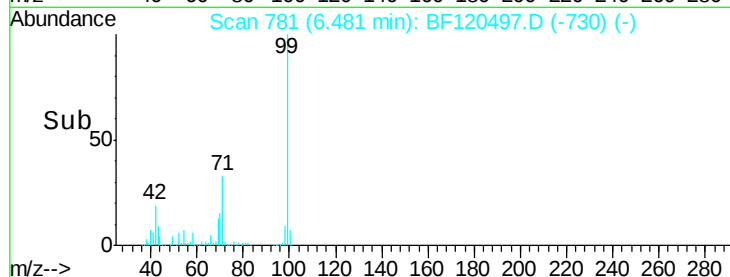
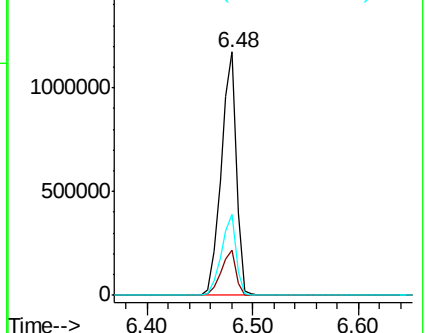
71 33.4 26.2 39.4



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: 11.882 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

Tgt Ion: 70 Resp: 103597

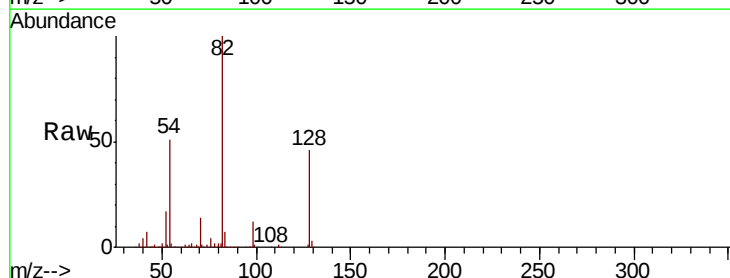
Ion Ratio Lower Upper

70 100

42 50.5 47.4 71.2

101 0.0 7.8 11.6#

130 2.5 17.1 25.7#

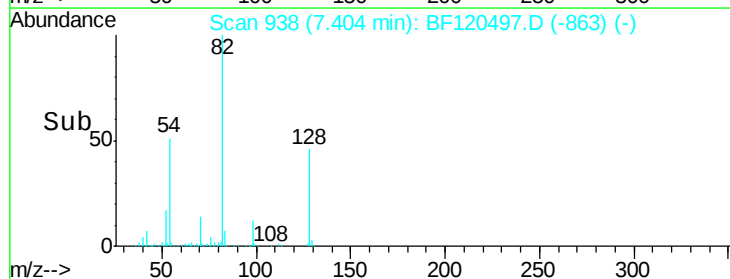
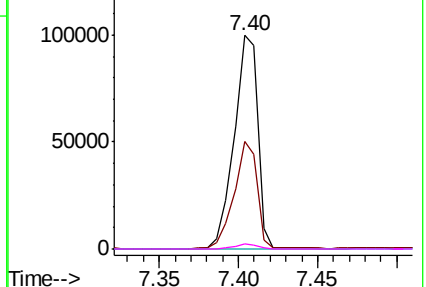


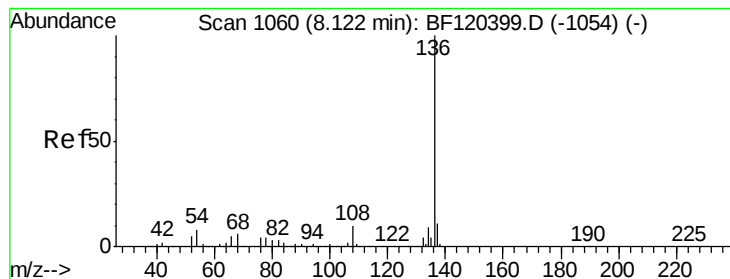
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120497.D

Acq: 2 Jun 2020 16:17

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 760440

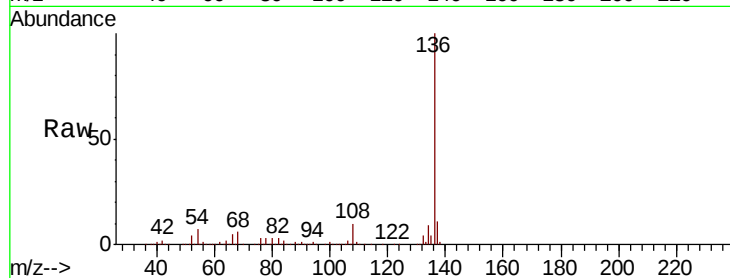
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.5 6.2 9.4

68 5.7 5.0 7.6

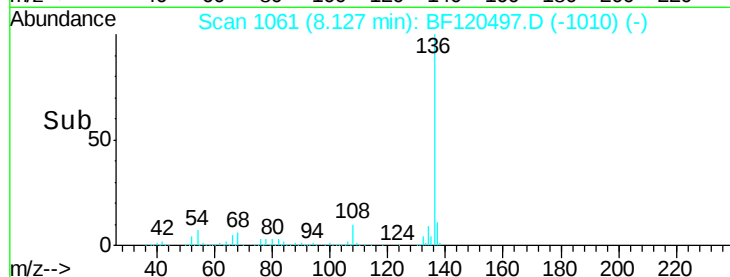


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 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



Time-->

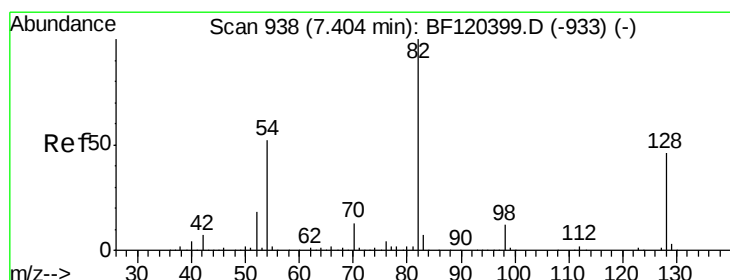
8.13

1000000

500000

0

8.10 8.15



#23

Nitrobenzene-d5

Concen: 66.615 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

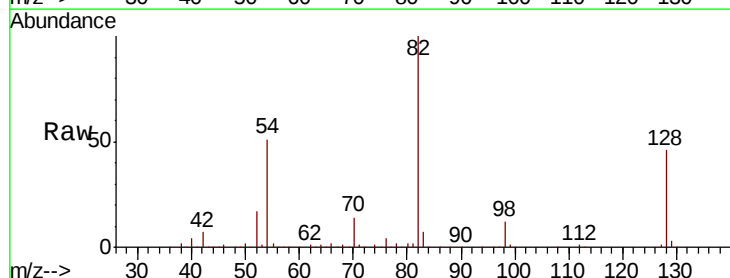
Tgt Ion: 82 Resp: 774415

Ion Ratio Lower Upper

82 100

128 45.9 37.0 55.6

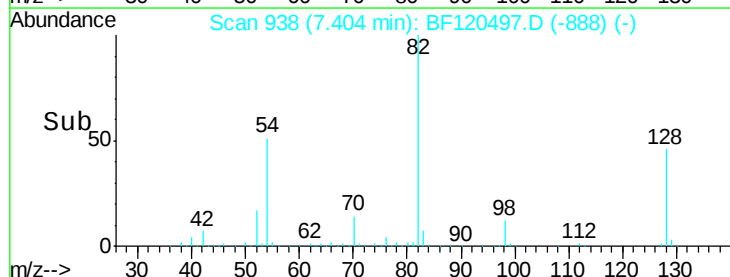
54 51.1 41.0 61.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

1000000 Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->

7.40

800000

600000

400000

200000

0

7.35 7.40 7.45



#25

Isophorone

Concen: 32.994 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

Instrument :

BNA_G

ClientSampleId :

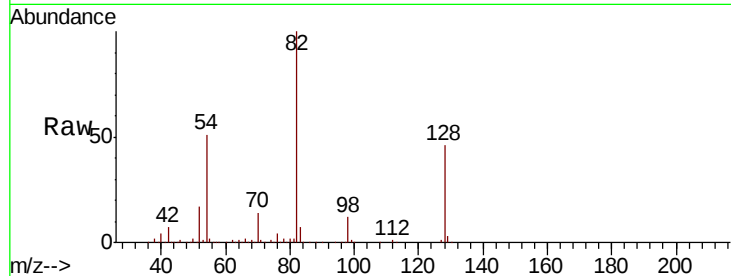
Tot Ion: 82 Resp: 770915

Ion Ratio Lower Upper

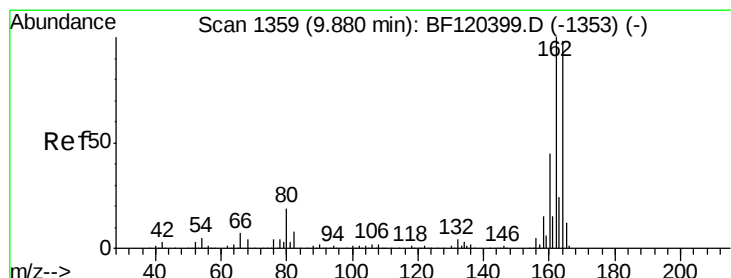
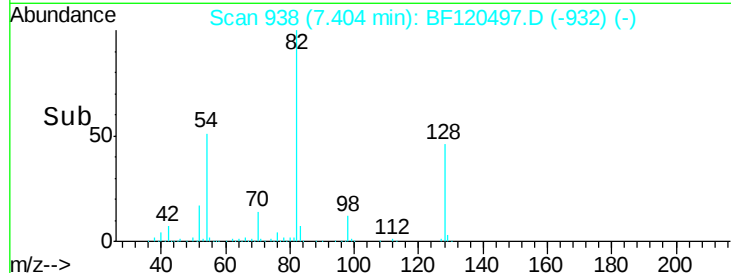
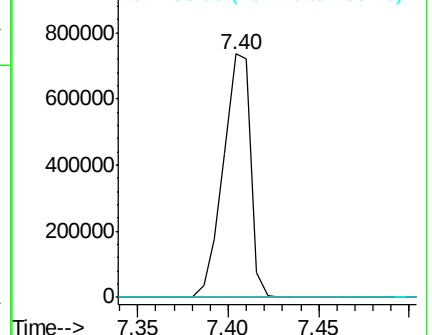
82 100

95 0.0 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: BF120497.D

Acq: 2 Jun 2020 16:17

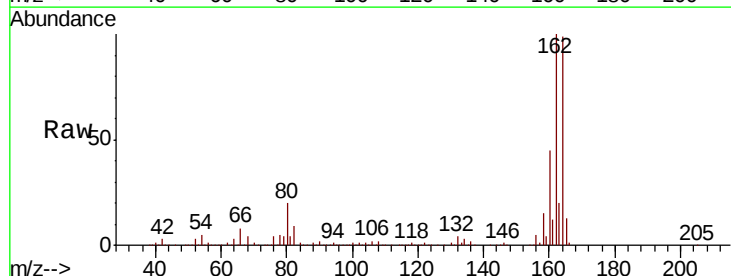
Tgt Ion: 164 Resp: 361901

Ion Ratio Lower Upper

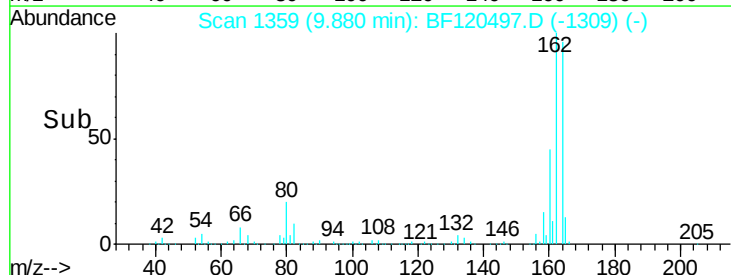
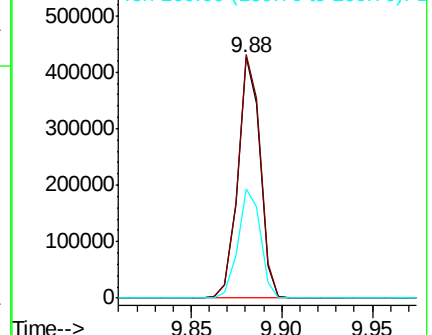
164 100

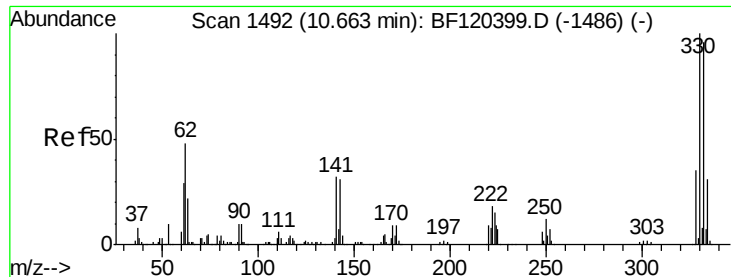
162 101.0 81.9 122.9

160 45.3 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

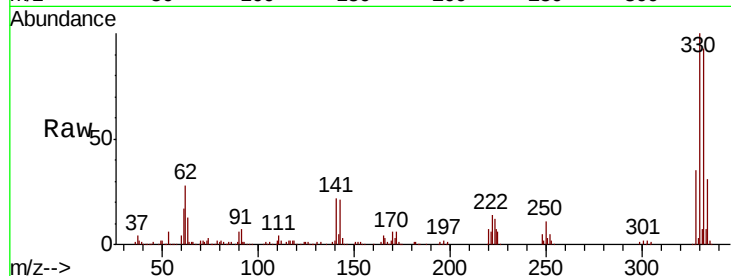




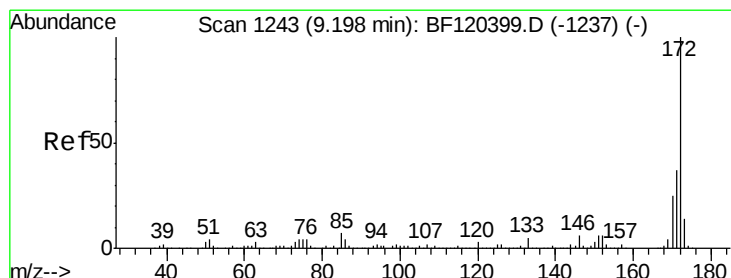
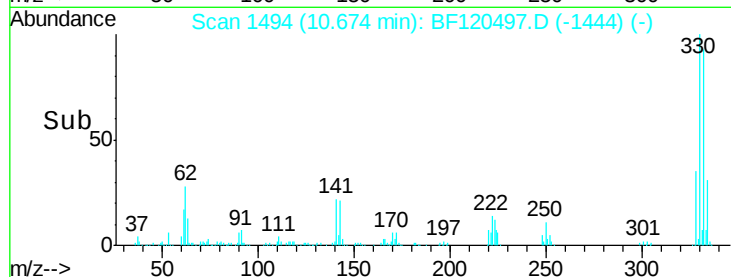
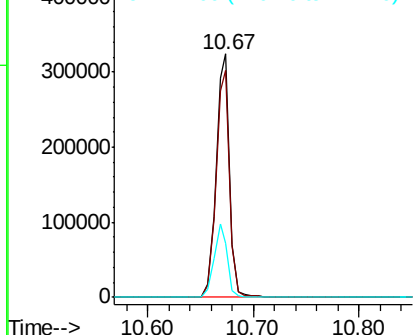
#42
 2,4,6-Tribromophenol
 Concen: 87.852 ng
 RT: 10.67 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: BF120497.D
 Acq: 2 Jun 2020 16:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 294584
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.8 115.2
 141 29.9 23.9 35.9

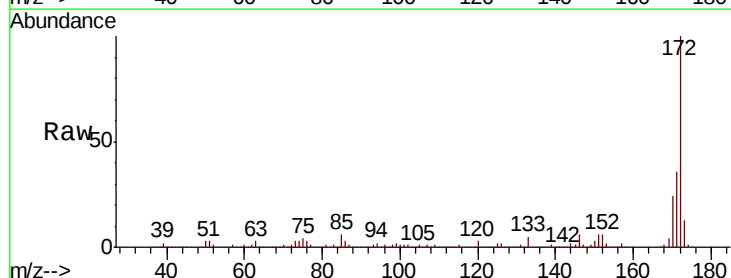


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

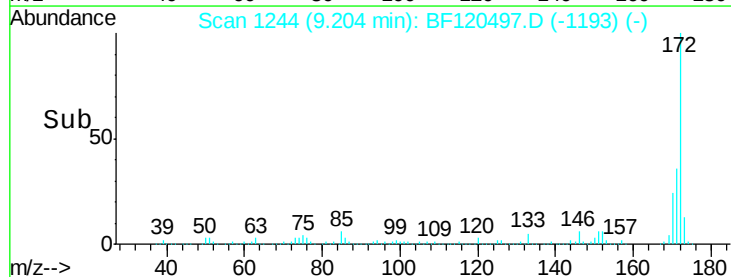
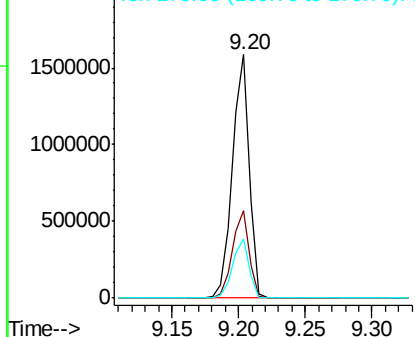


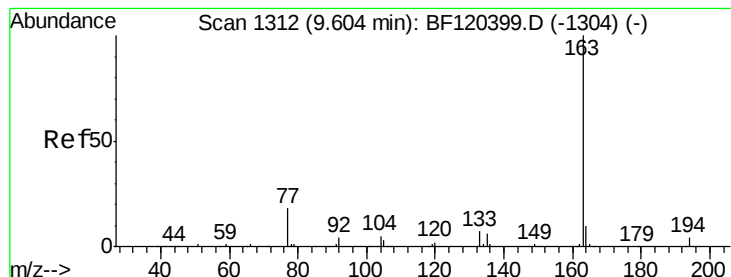
#45
 2-Fluorobiphenyl
 Concen: 66.301 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF120497.D
 Acq: 2 Jun 2020 16:17

Tgt Ion:172 Resp: 1414192
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.2
 170 24.1 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: 11.857 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

Instrument :

BNA_G

ClientSampleId :

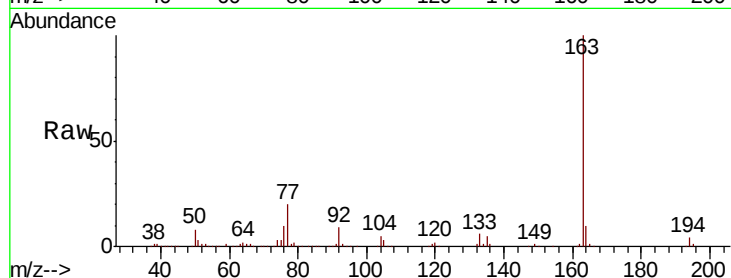
Tot Ion:163 Resp: 268266

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

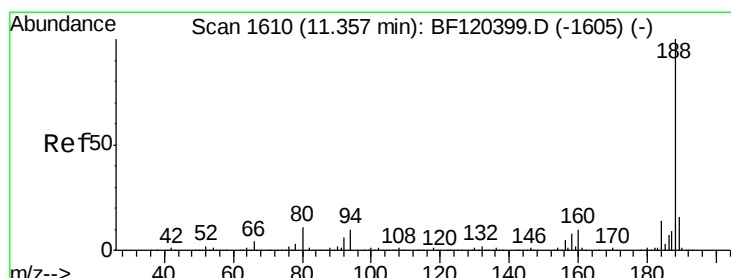
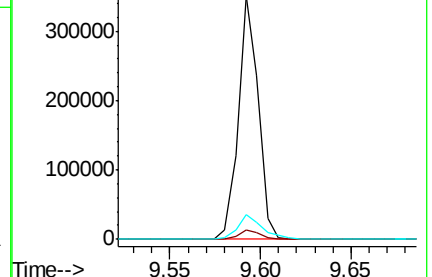
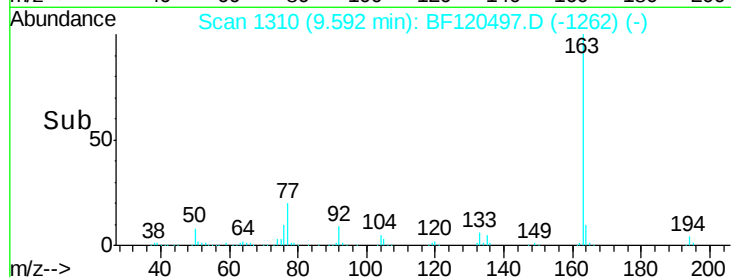
164 10.1 8.2 12.2



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: BF120497.D

Acq: 2 Jun 2020 16:17

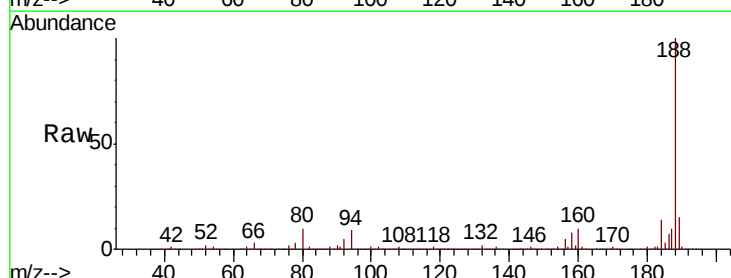
Tgt Ion:188 Resp: 586426

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

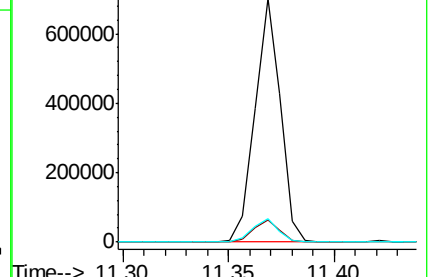
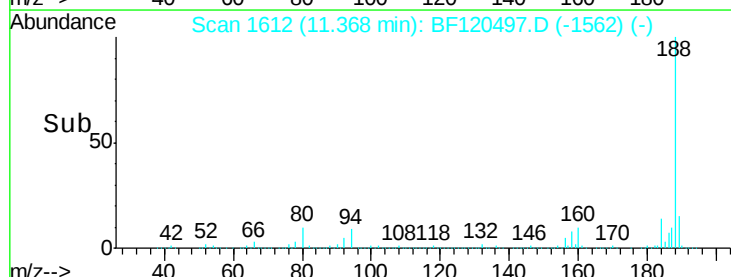
80 9.7 7.1 10.7

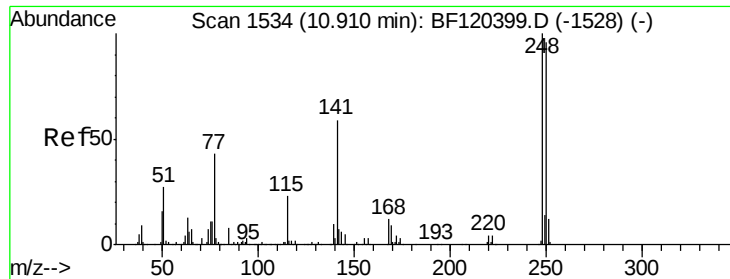


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

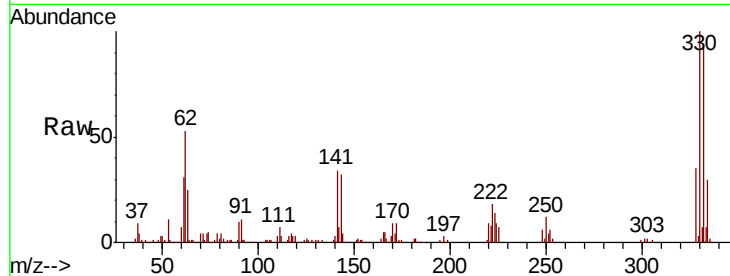




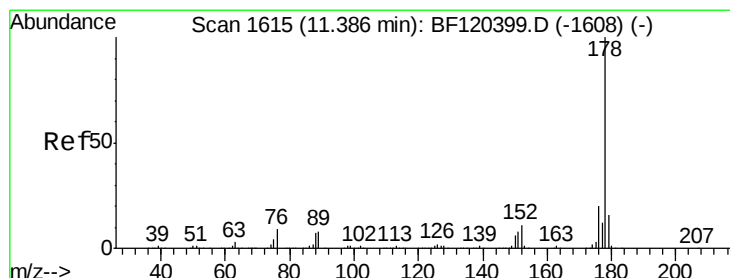
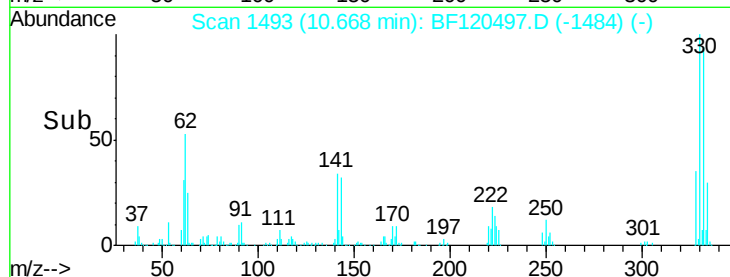
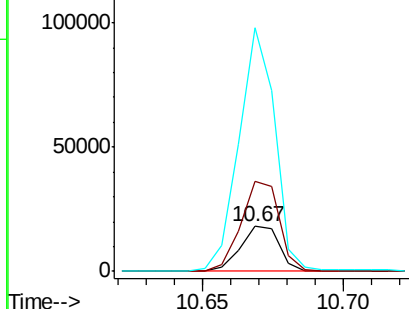
#67
 4-Bromophenyl-phenylether
 Concen: 2.914 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.25 min
 Lab File: BF120497.D
 Acq: 2 Jun 2020 16:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17247
 Ion Ratio Lower Upper
 248 100
 250 200.1 77.8 116.6#
 141 539.9 54.8 82.2#

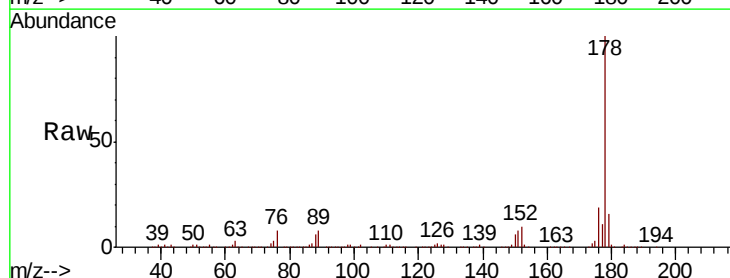


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

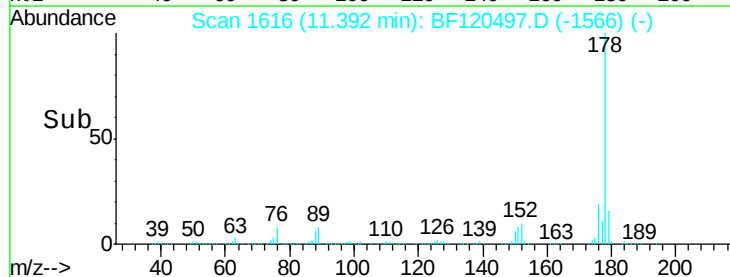
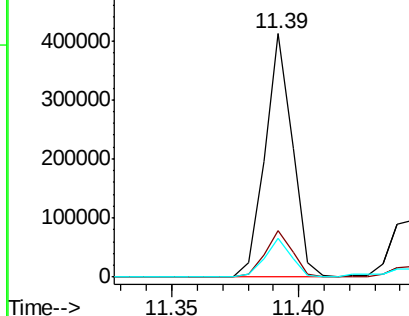


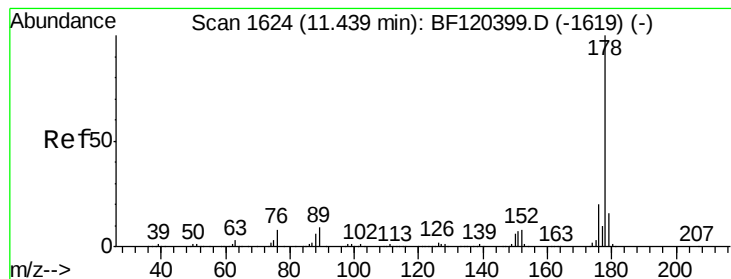
#71
 Phenanthrene
 Concen: 12.014 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120497.D
 Acq: 2 Jun 2020 16:17

Tgt Ion:178 Resp: 310444
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.2
 179 15.7 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: 3.195 ng

RT: 11.44 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

Instrument :

BNA_G

ClientSampled :

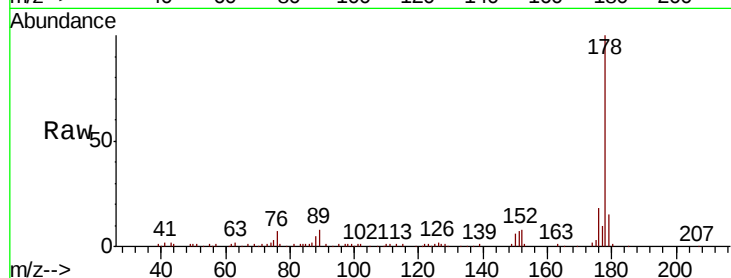
Tot Ion:178 Resp: 82822

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

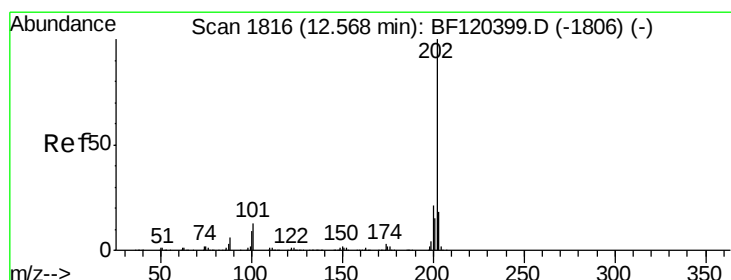
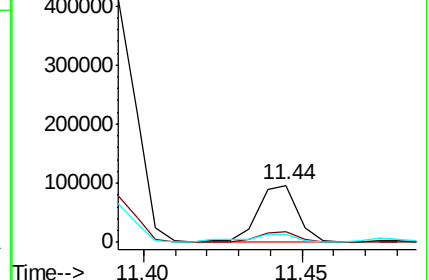
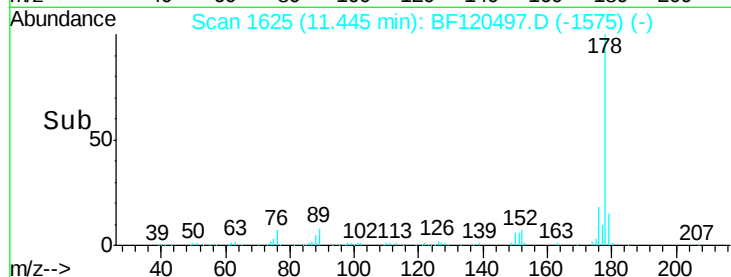
179 15.3 12.7 19.1



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: 20.543 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

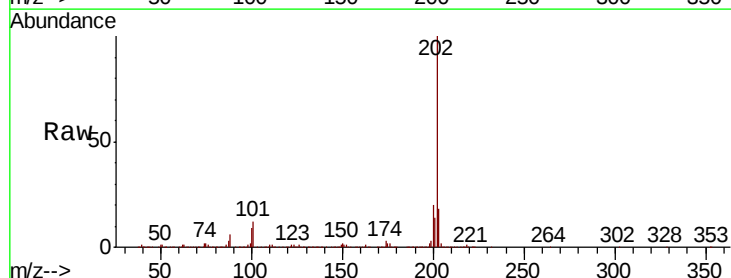
Tgt Ion:202 Resp: 571173

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

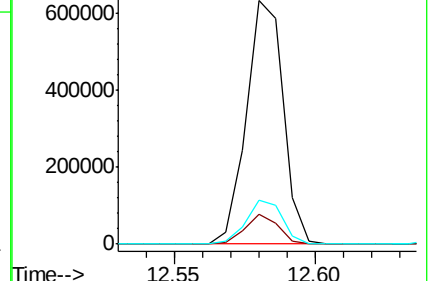
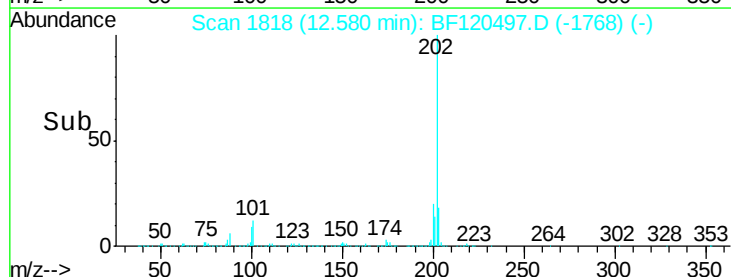
203 17.9 0.0 38.8

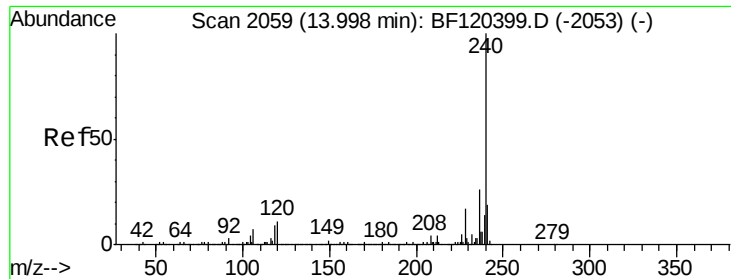


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

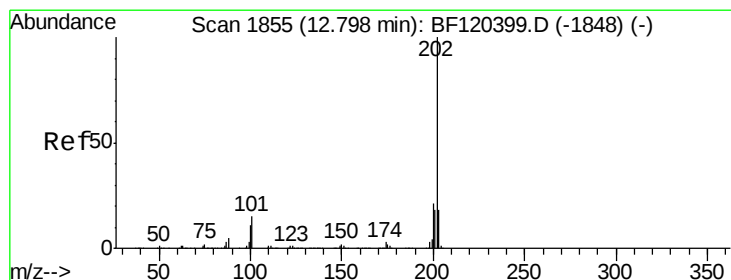
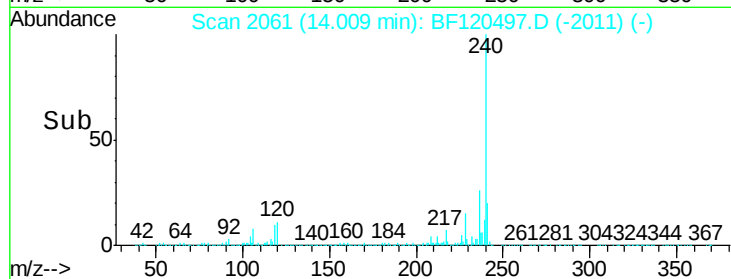
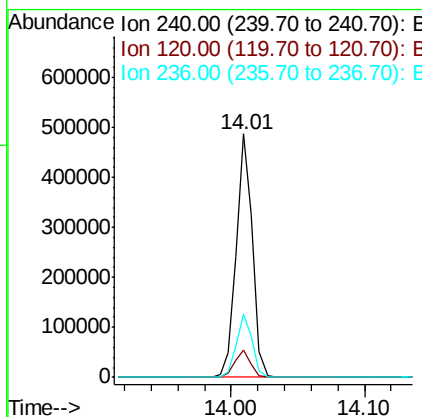
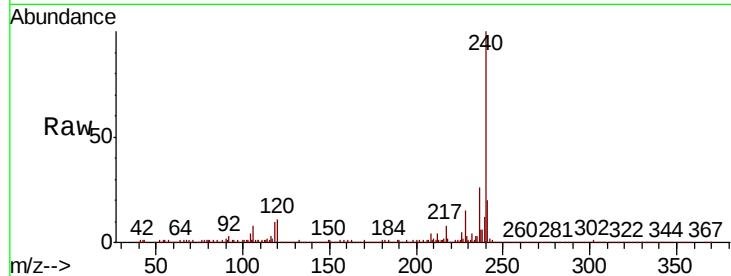




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

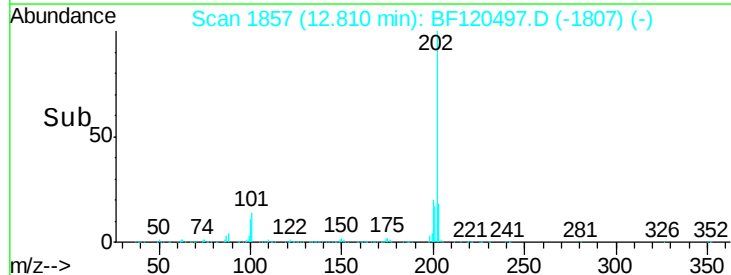
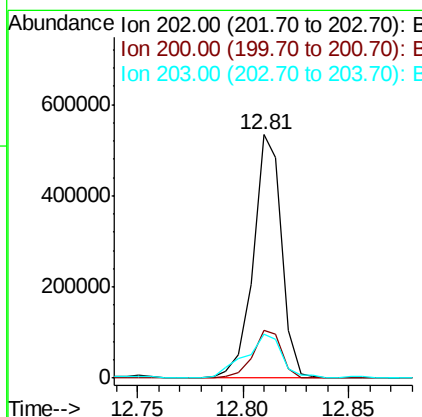
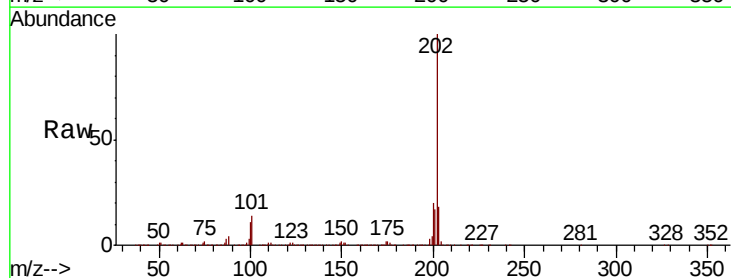
Instrument :
BNA_G
ClientSampleId :

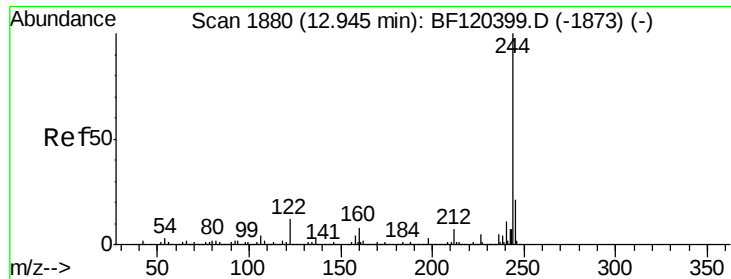
Tot Ion:240 Resp: 411496
Ion Ratio Lower Upper
240 100
120 11.3 9.9 14.9
236 26.1 21.0 31.6



#78
Pyrene
Concen: 17.366 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

Tgt Ion:202 Resp: 496973
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.6
203 18.2 14.6 22.0





#79

Terphenyl-d14

Concen: 64.835 ng

RT: 12.96 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

Instrument :

BNA_G

ClientSampleId :

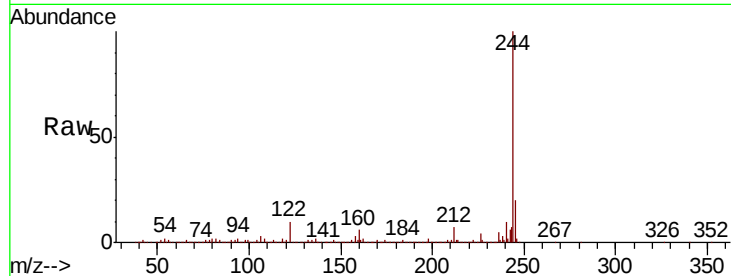
Tot Ion:244 Resp: 1198947

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

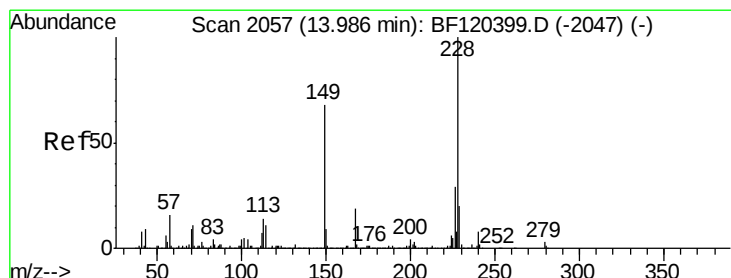
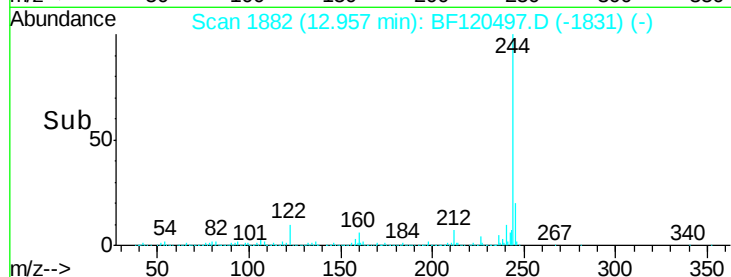
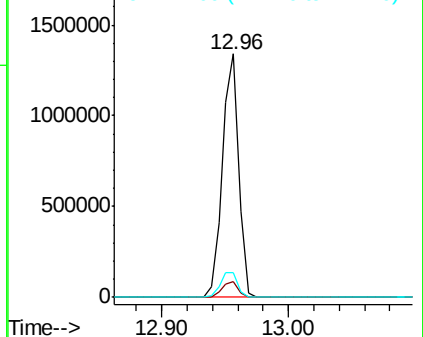
122 10.3 8.7 13.1



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: 12.887 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

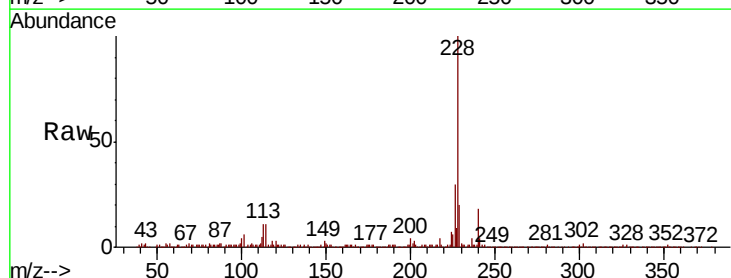
Tgt Ion:228 Resp: 284218

Ion Ratio Lower Upper

228 100

226 30.1 22.9 34.3

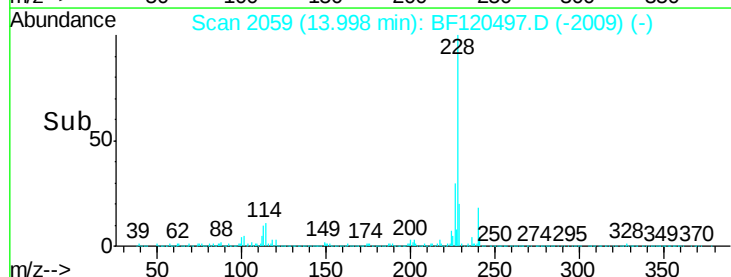
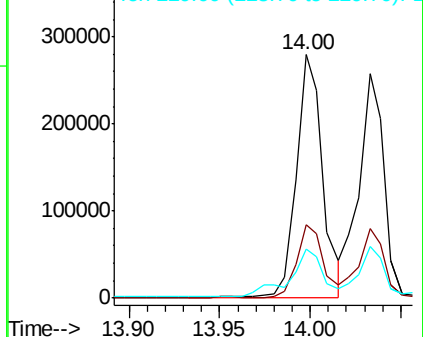
229 20.4 16.3 24.5

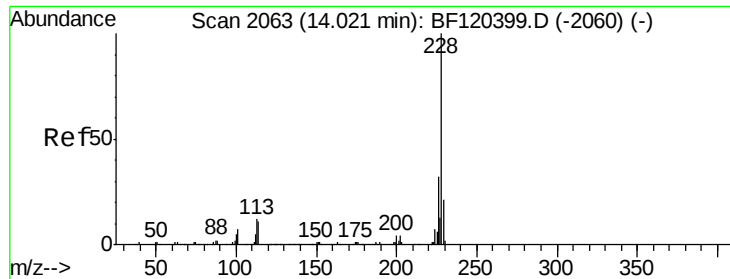


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

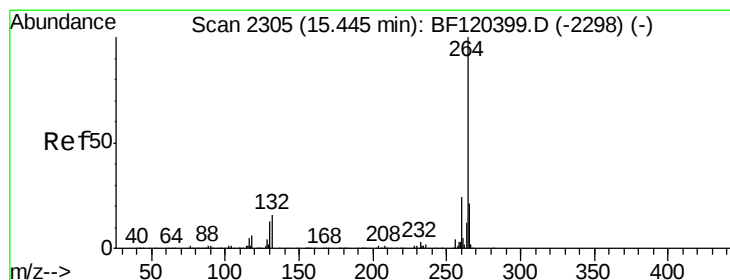
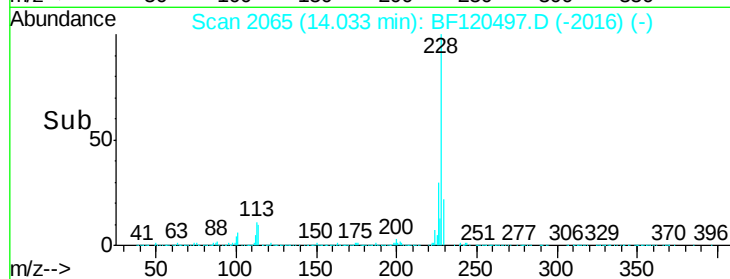
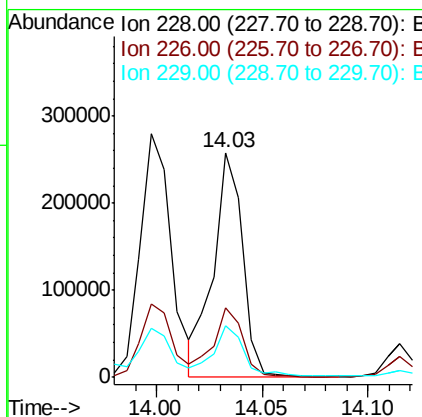
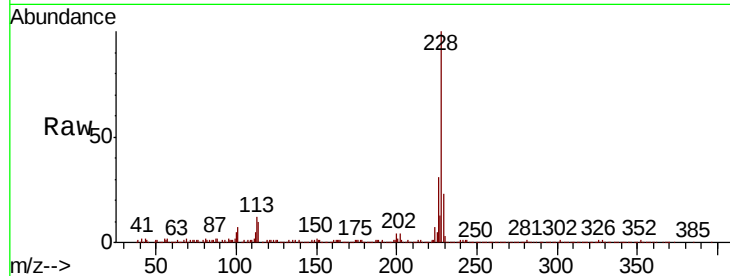




#83
Chrysene
Concen: 10.716 ng
RT: 14.03 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

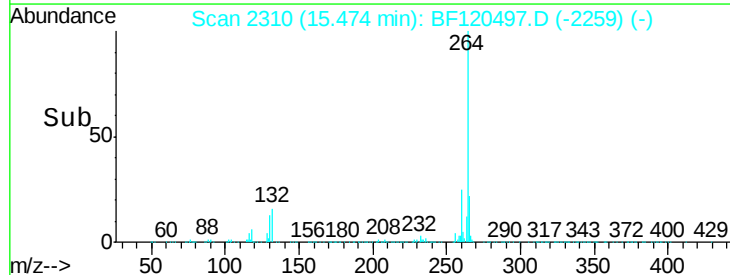
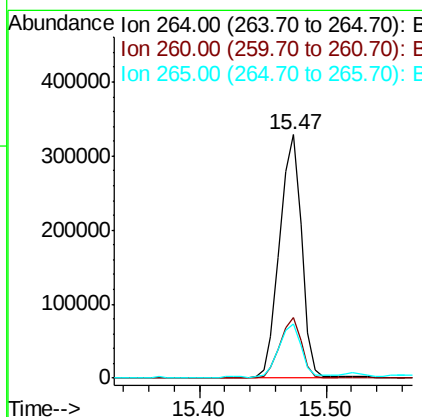
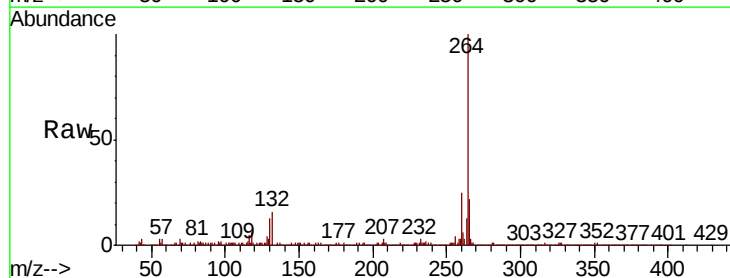
Instrument :
BNA_G
ClientSampleId :

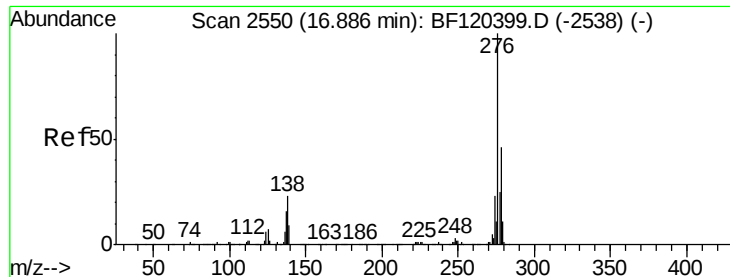
Tot Ion:228 Resp: 247769
Ion Ratio Lower Upper
228 100
226 30.7 25.7 38.5
229 22.7 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

Tgt Ion:264 Resp: 395664
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 22.3 17.6 26.4

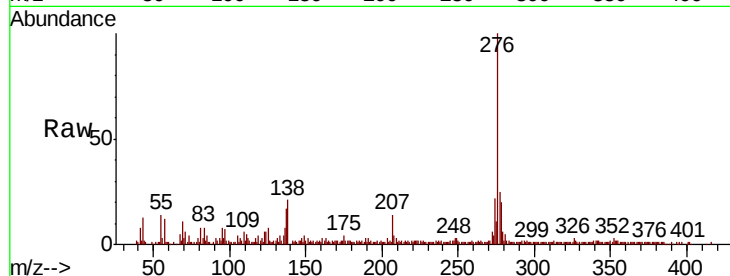




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.691 ng
 RT: 16.93 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BF120497.D
 Acq: 2 Jun 2020 16:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.3	28.9
277	25.7	20.7	31.1

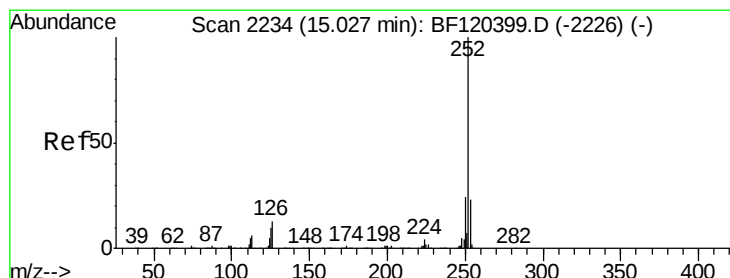
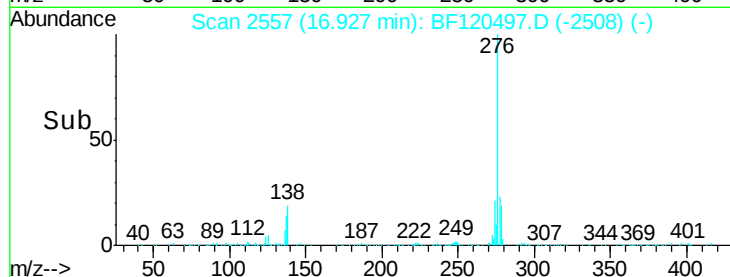
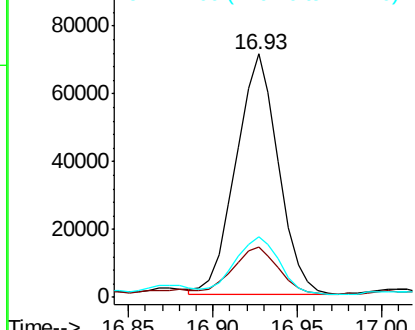


Abundance

Ion 276.00 (275.70 to 276.70): E

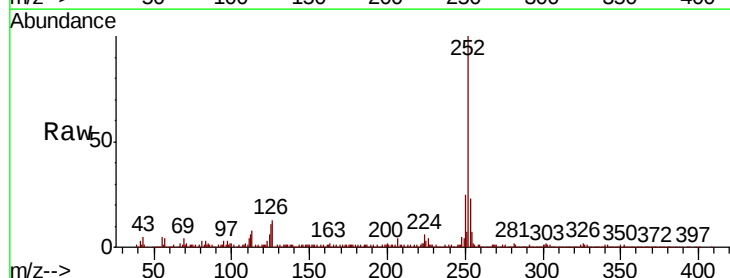
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 19.500 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120497.D
 Acq: 2 Jun 2020 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.9	8.2	12.4

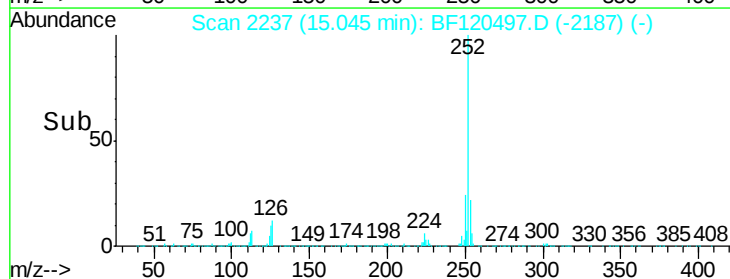
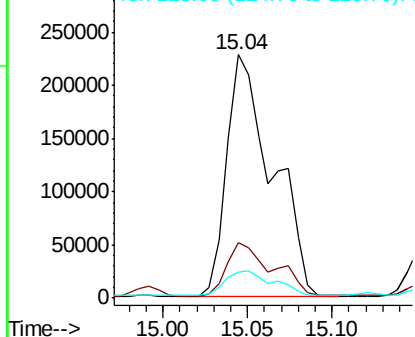


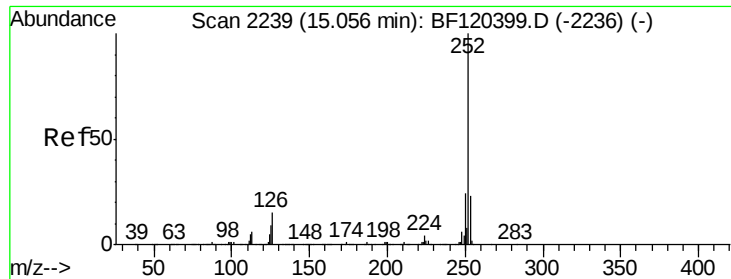
Abundance

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

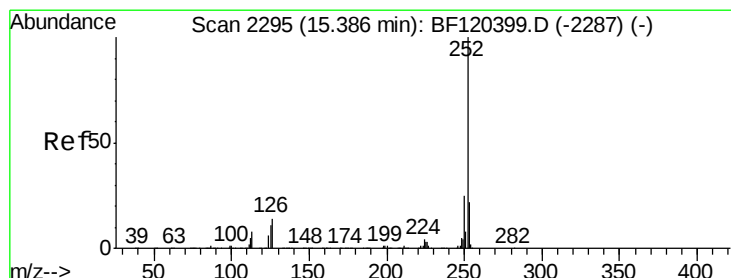
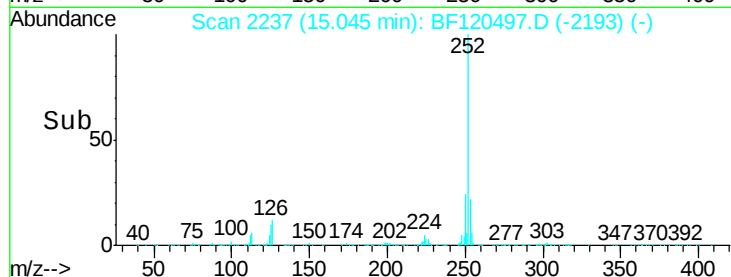
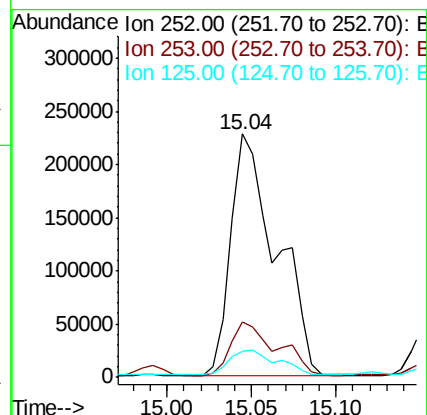
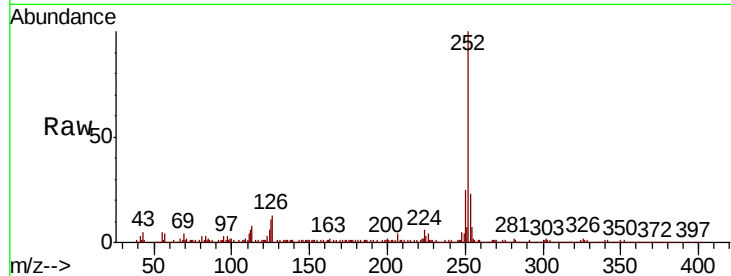




#89
Benzo(k)fluoranthene
Concen: 20.889 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

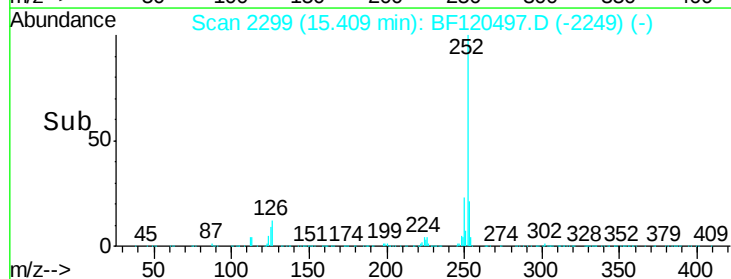
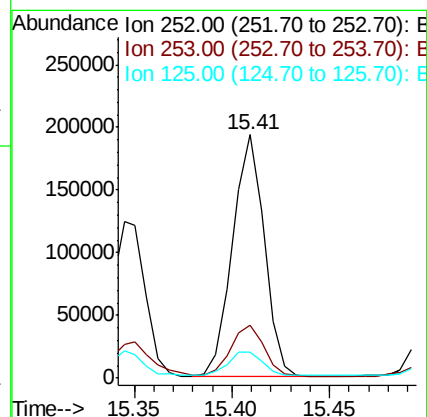
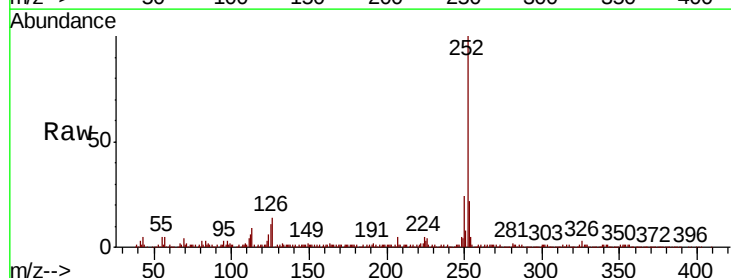
Instrument :
BNA_G
ClientSampleId :

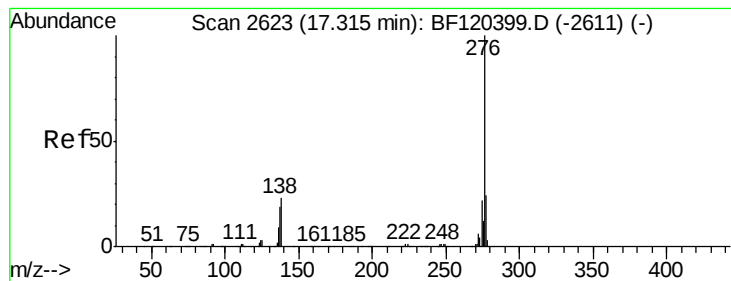
Tot Ion:252 Resp: 428550
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.9 7.1 10.7#



#90
Benzo(a)pyrene
Concen: 11.423 ng
RT: 15.41 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF120497.D
Acq: 2 Jun 2020 16:17

Tgt Ion:252 Resp: 219582
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 10.8 9.0 13.4





#92

Benzo(a,h,i)perylene

Concen: 6.659 ng

RT: 17.37 min Scan# 2632

Delta R.T. -0.01 min

Lab File: BF120497.D

Acq: 2 Jun 2020 16:17

Instrument :

BNA_G

ClientSampleId :

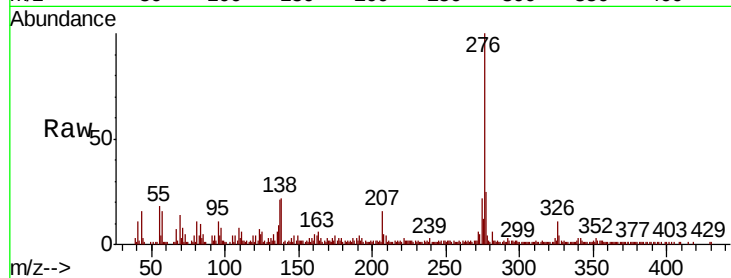
Tot Ion:276 Resp: 115873

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 21.5 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

