

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120487.D
 Acq On : 2 Jun 2020 11:45
 Operator : JU/CG
 Sample : L2773-22
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 12:39:57 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

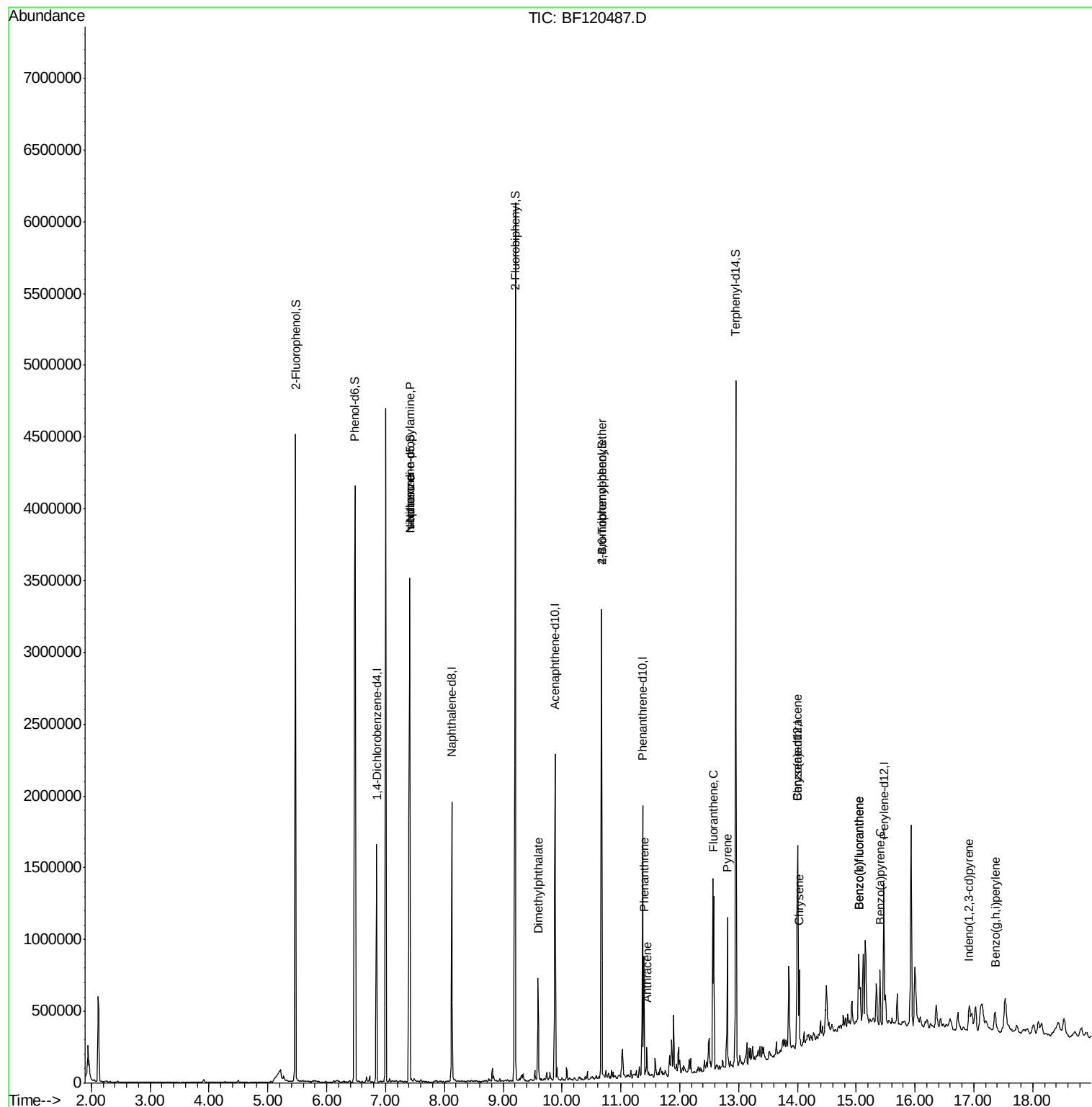
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	242945	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	864460	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	412891	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	667364	20.00	ng	0.00
76) Chrysene-d12	14.01	240	441304	20.00	ng	0.00
86) Perylene-d12	15.47	264	477868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1504075	117.99	ng	0.00
7) Phenol-d6	6.48	99	1909706	121.54	ng	0.00
23) Nitrobenzene-d5	7.41	82	1257873	95.18	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	469907	122.83	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2118837	87.07	ng	0.00
79) Terphenyl-d14	12.96	244	1783040	89.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	170622	17.082	ng	# 77
25) Isophorone	7.41	82	1249538	47.044	ng	# 64
50) Dimethylphthalate	9.59	163	250927	9.721	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	27817	4.129	ng	# 1
71) Phenanthrene	11.39	178	278444	9.469	ng	98
72) Anthracene	11.44	178	72127	2.445	ng	96
75) Fluoranthene	12.58	202	450192	14.228	ng	97
78) Pyrene	12.81	202	394783	12.864	ng	98
81) Benzo(a)anthracene	14.00	228	204473	8.645	ng	98
83) Chrysene	14.03	228	182186	7.348	ng	96
87) Indeno(1,2,3-cd)pyrene	16.92	276	111577	4.269	ng	94
88) Benzo(b)fluoranthene	15.04	252	348763	13.140	ng	98
89) Benzo(k)fluoranthene	15.04	252	348763	14.075	ng	# 96
90) Benzo(a)pyrene	15.40	252	184868	7.963	ng	99
92) Benzo(a,h,i)perylene	17.36	276	104103	4.953	ng	99

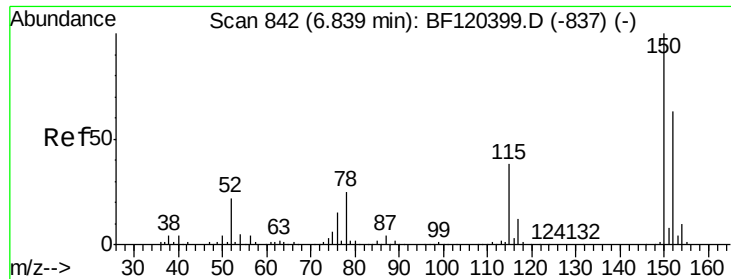
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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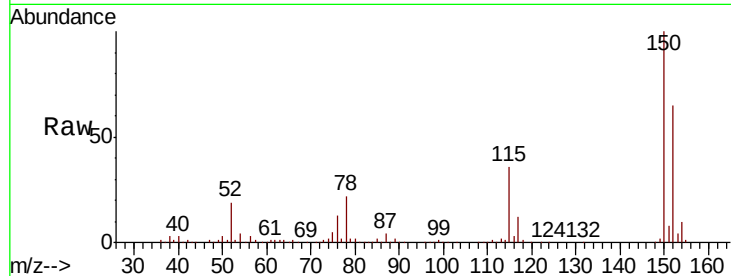


#1

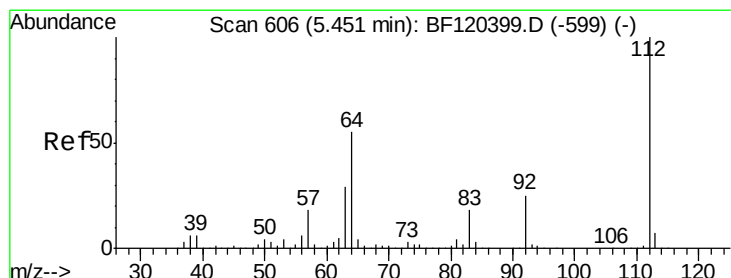
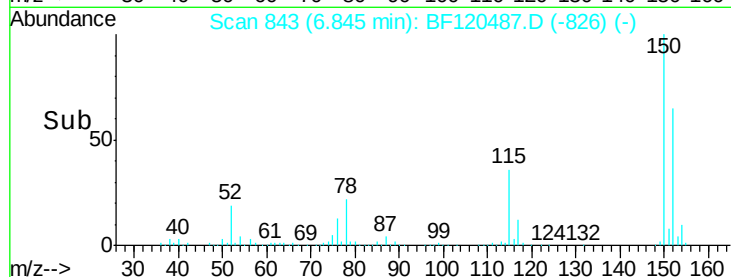
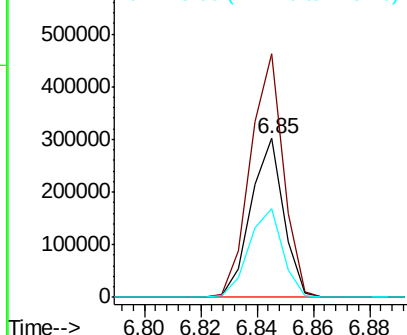
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 242945
Ion Ratio Lower Upper
152 100
150 153.5 126.7 190.1
115 55.8 46.2 69.2



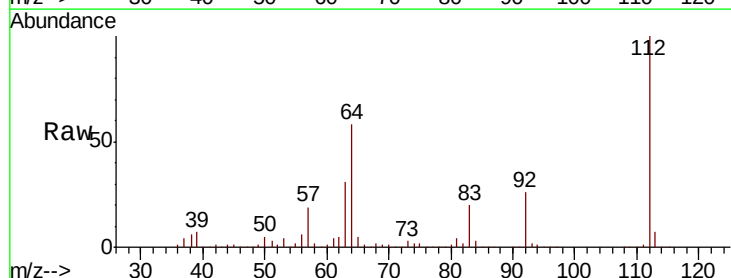
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



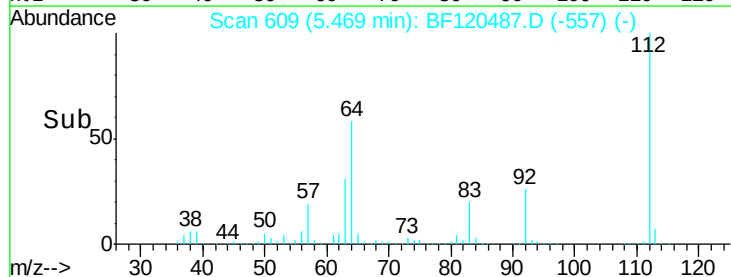
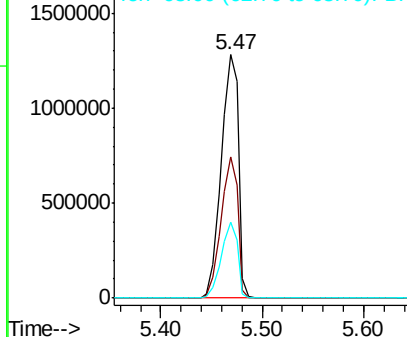
#5

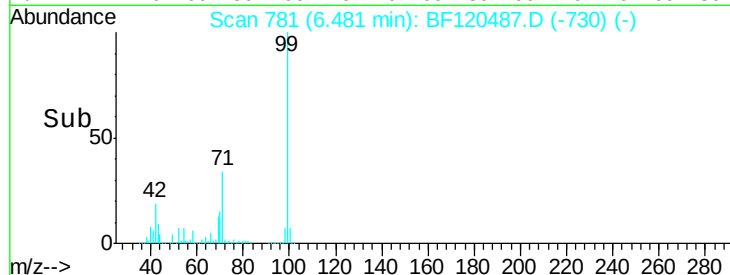
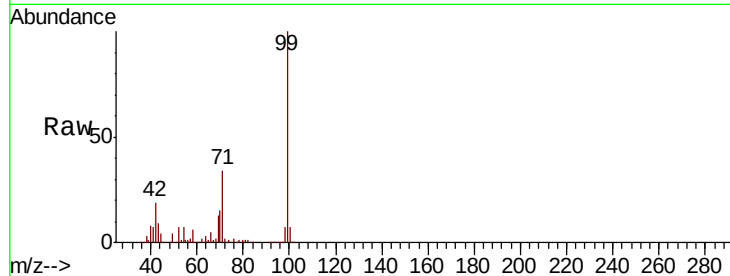
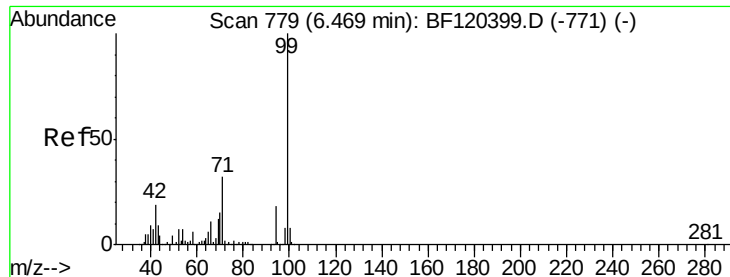
2-Fluorophenol
Concen: 117.985 ng
RT: 5.47 min Scan# 609
Delta R.T. 0.01 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

Tgt Ion:112 Resp: 1504075
Ion Ratio Lower Upper
112 100
64 58.2 46.3 69.5
63 30.9 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: 121.538 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.00 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

Instrument :

BNA_F

ClientSampleId :

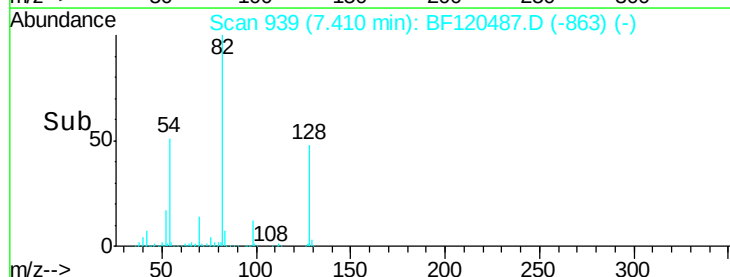
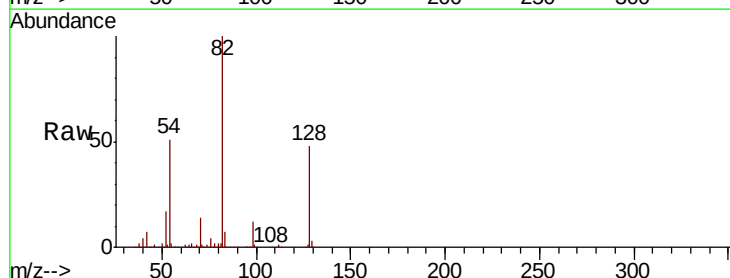
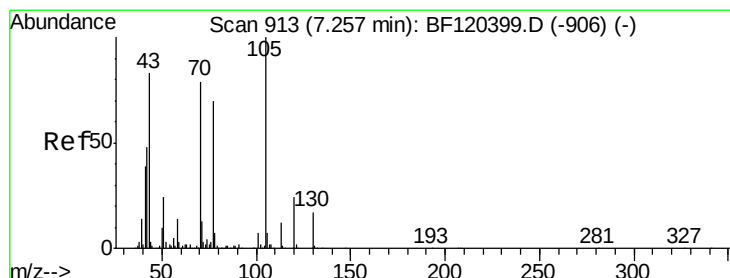
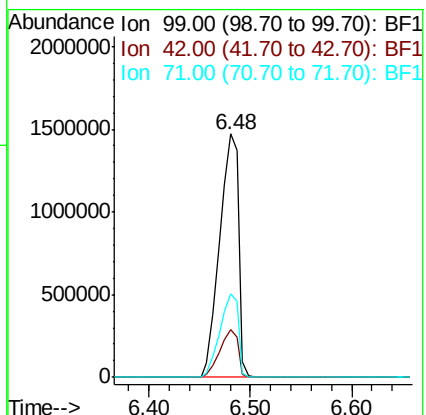
Tot Ion: 99 Resp: 1909706

Ion Ratio Lower Upper

99 100

42 19.4 15.1 22.7

71 34.4 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 17.082 ng

RT: 7.41 min Scan# 939

Delta R.T. 0.15 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

Tgt Ion: 70 Resp: 170622

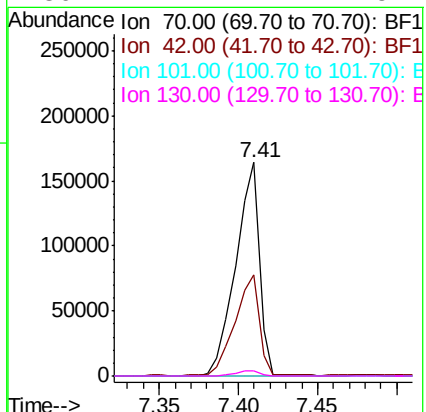
Ion Ratio Lower Upper

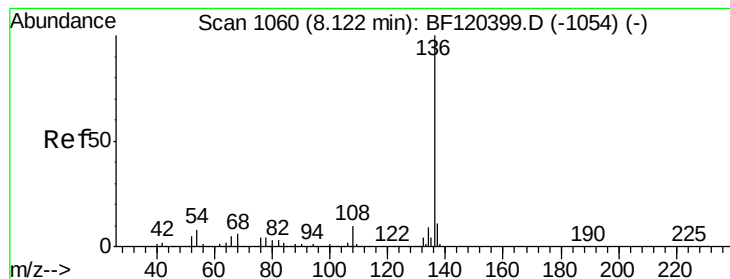
70 100

42 47.4 47.4 71.2#

101 0.0 7.8 11.6#

130 2.2 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 864460

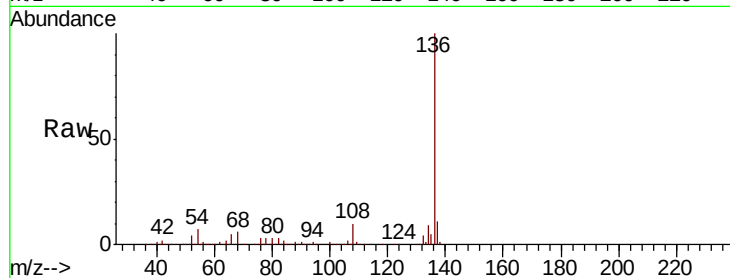
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.2 6.2 9.4

68 5.6 5.0 7.6

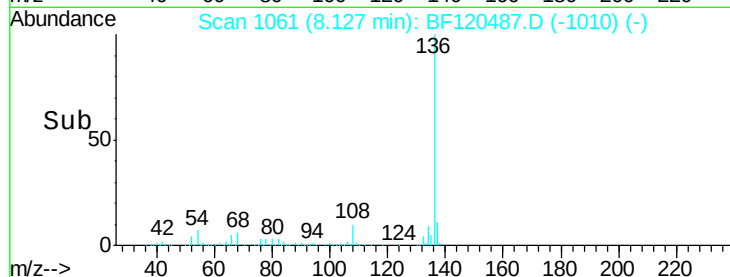


Abundance Ion 136.00 (135.70 to 136.70): E

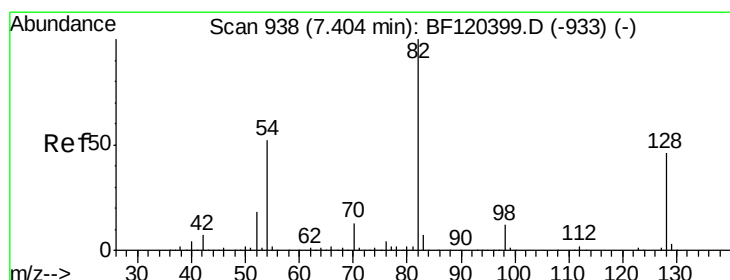
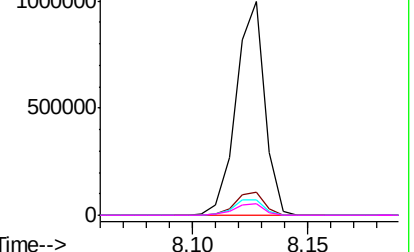
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 95.182 ng

RT: 7.41 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

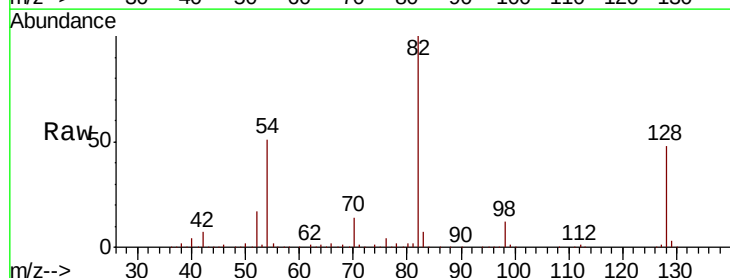
Tgt Ion: 82 Resp: 1257873

Ion Ratio Lower Upper

82 100

128 47.7 37.0 55.6

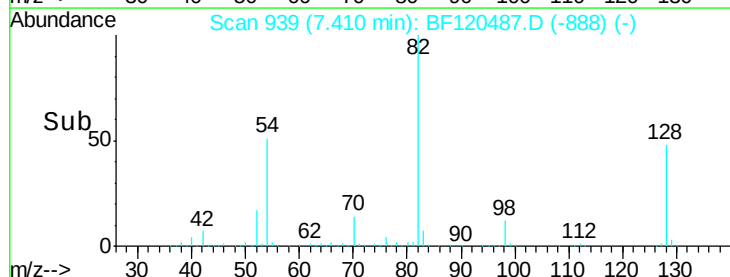
54 50.5 41.0 61.4



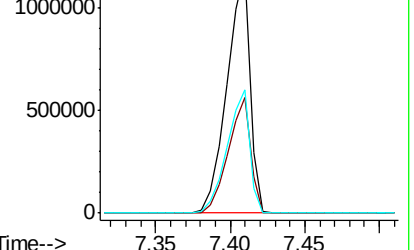
Abundance Ion 82.00 (81.70 to 82.70): BF1

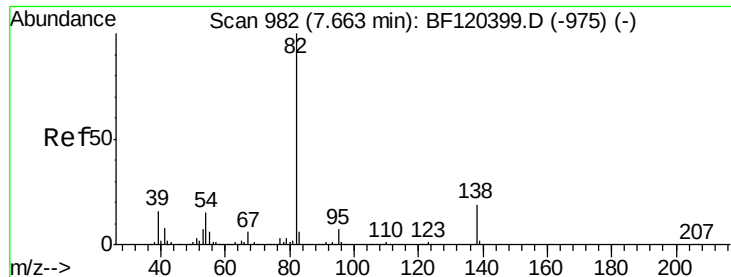
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 47.044 ng

RT: 7.41 min Scan# 939

Delta R.T. -0.26 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

Instrument :

BNA_F

ClientSampleId :

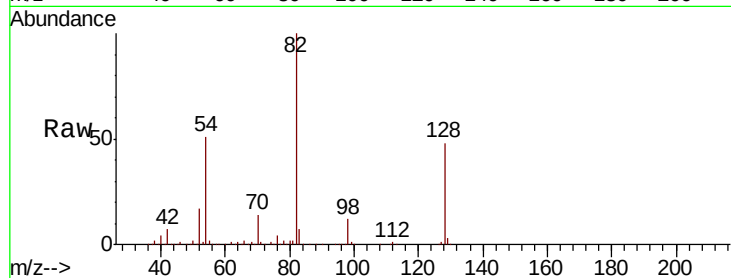
Tot Ion: 82 Resp: 1249538

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

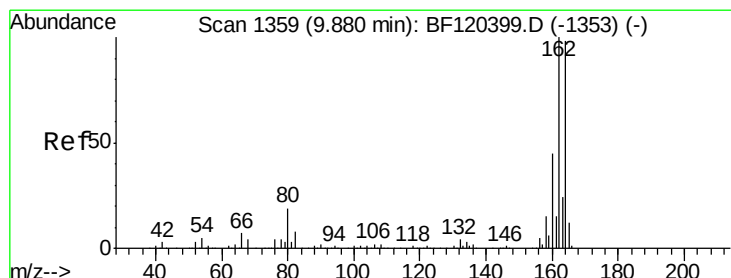
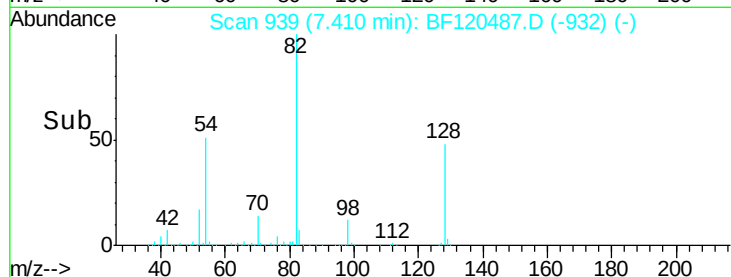
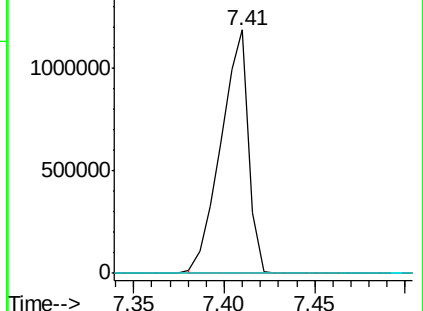
138 0.0 15.0 22.6#



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: BF120487.D

Acq: 2 Jun 2020 11:45

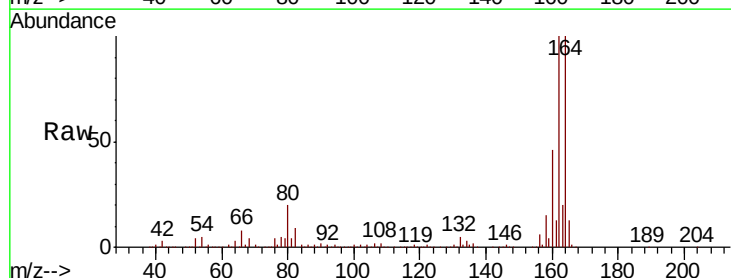
Tgt Ion:164 Resp: 412891

Ion Ratio Lower Upper

164 100

162 100.2 81.9 122.9

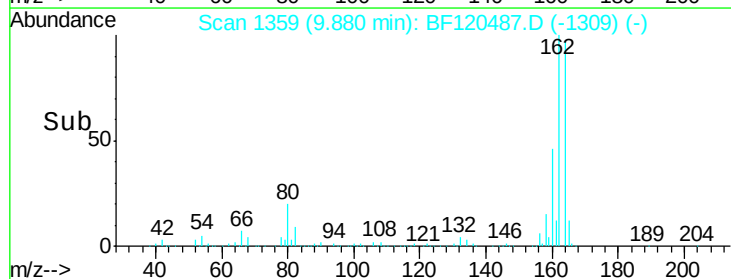
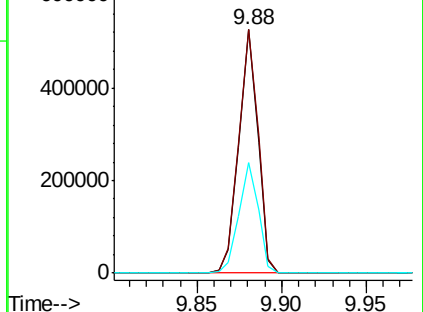
160 45.6 37.4 56.0

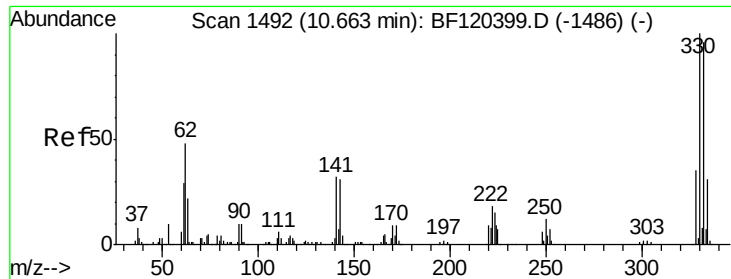


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 122.832 ng

RT: 10.67 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

Instrument :

BNA_F

ClientSampleId :

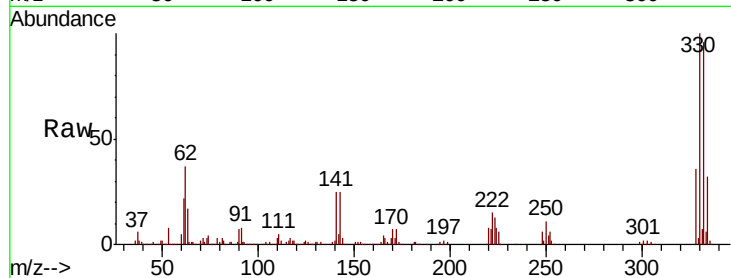
Tot Ion:330 Resp: 469907

Ion Ratio Lower Upper

330 100

332 95.7 76.8 115.2

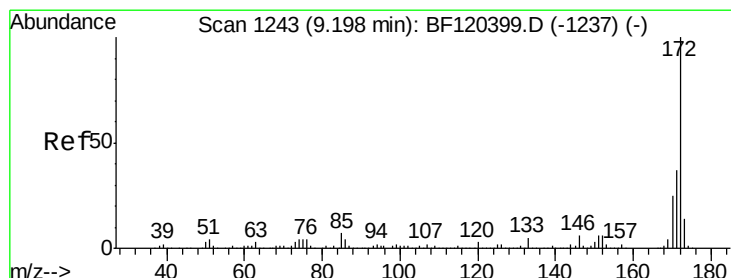
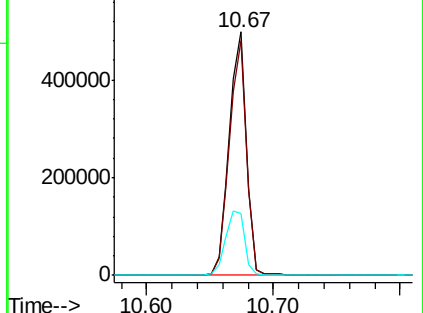
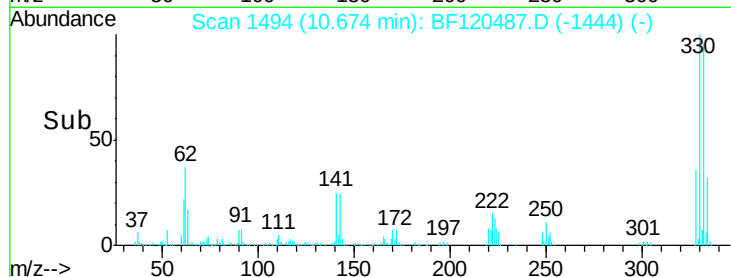
141 29.6 23.9 35.9



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: 87.069 ng

RT: 9.20 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

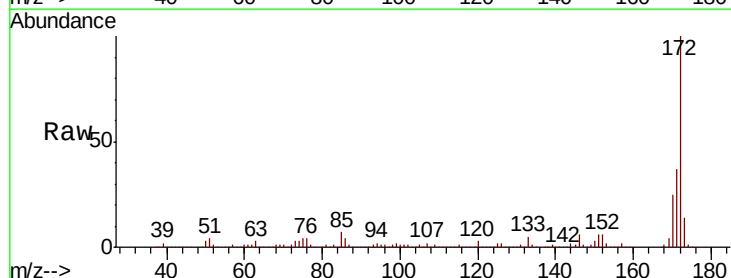
Tgt Ion:172 Resp: 2118837

Ion Ratio Lower Upper

172 100

171 36.6 29.4 44.2

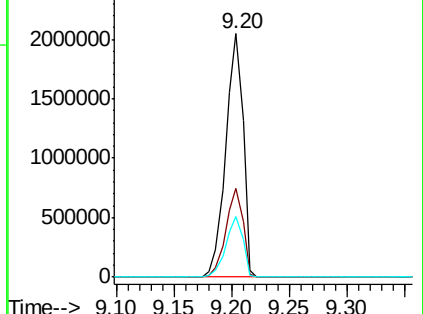
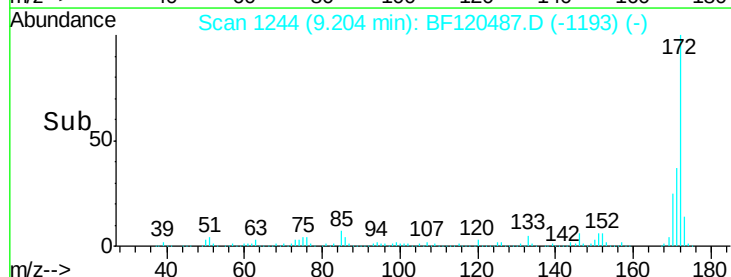
170 24.7 19.9 29.9

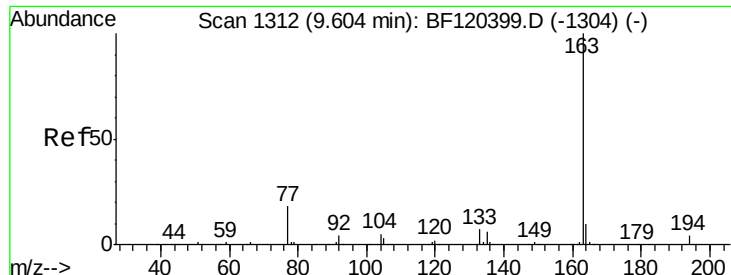


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

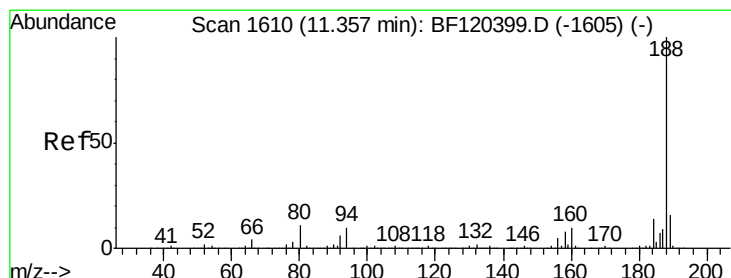
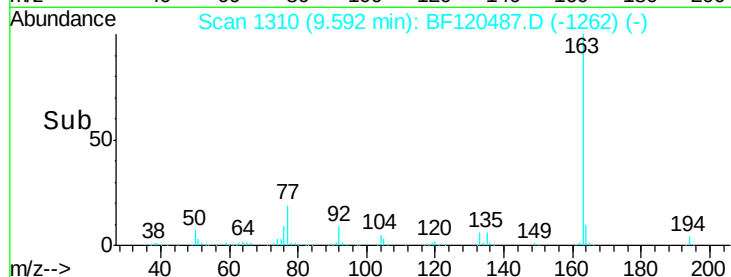
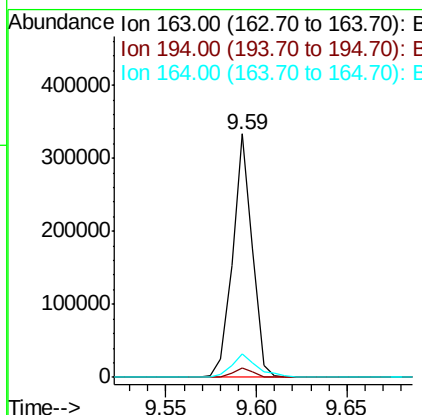
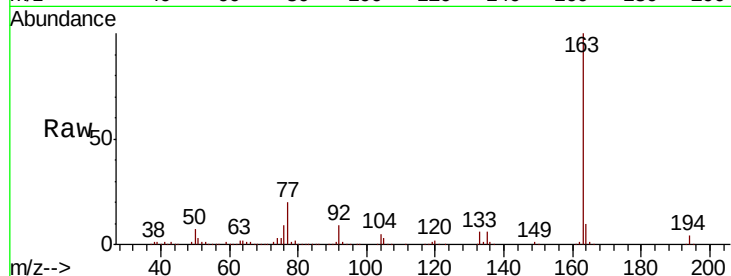




#50
Dimethylphthalate
Concen: 9.721 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

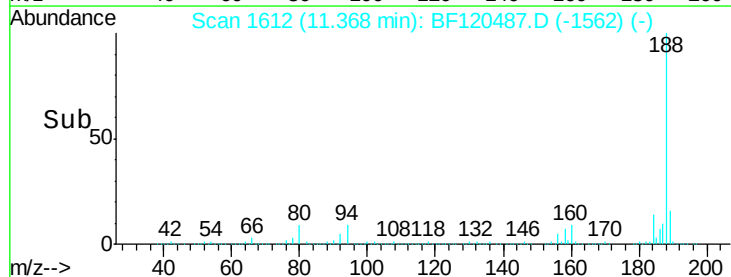
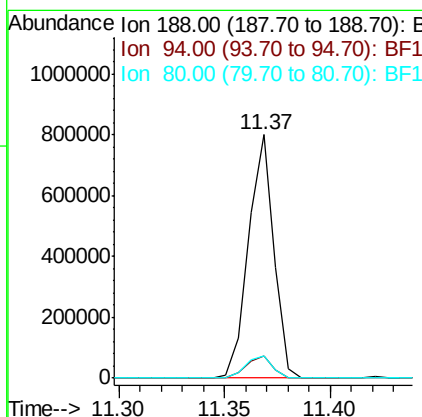
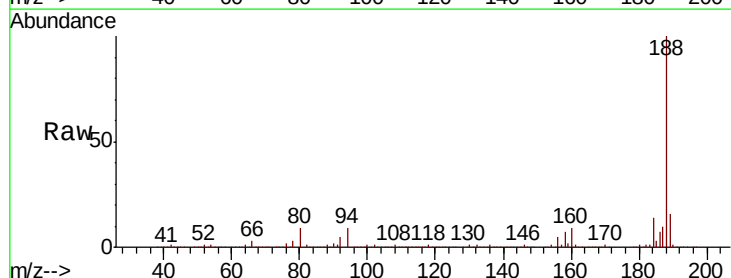
Instrument :
BNA_F
ClientSampleId :

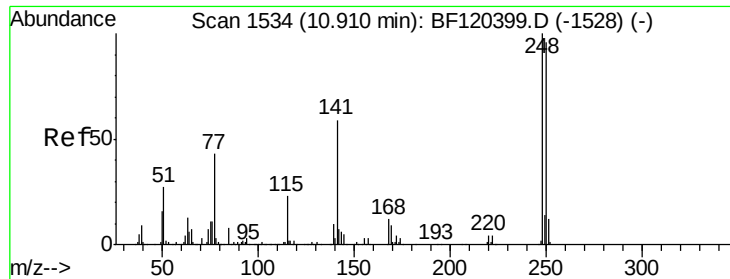
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.9	8.2	12.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.3	7.1	10.7

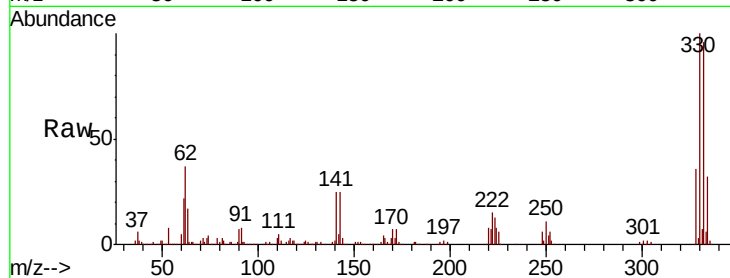




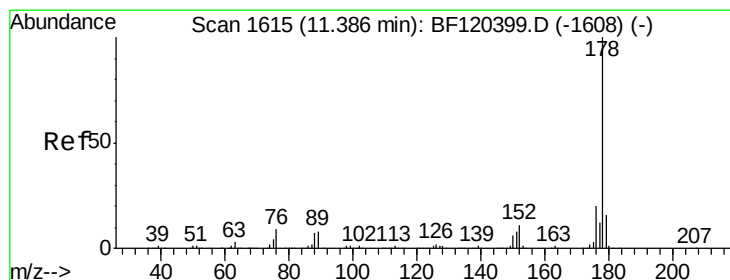
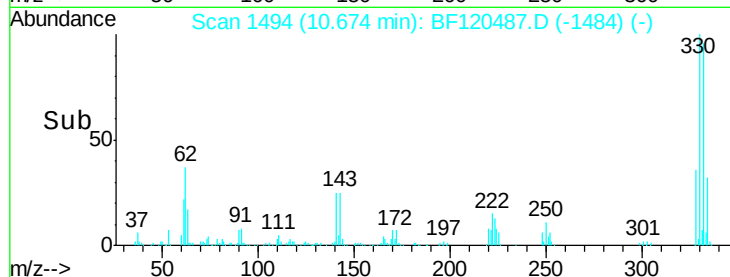
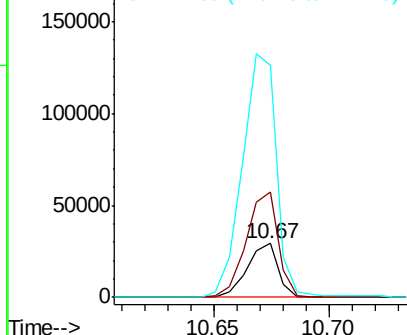
#67
 4-Bromophenyl-phenylether
 Concen: 4.129 ng
 RT: 10.67 min Scan# 1494
 Delta R.T. -0.24 min
 Lab File: BF120487.D
 Acq: 2 Jun 2020 11:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 27817
 Ion Ratio Lower Upper
 248 100
 250 194.1 77.8 116.6#
 141 429.4 54.8 82.2#

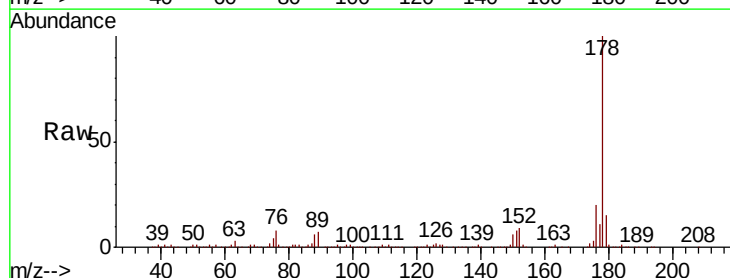


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

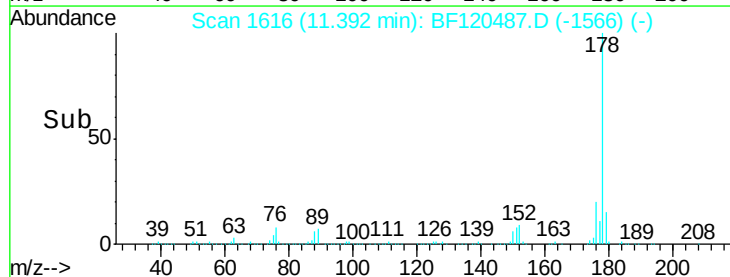
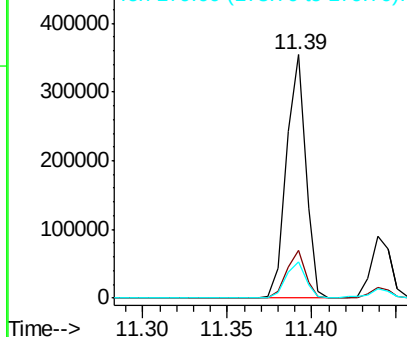


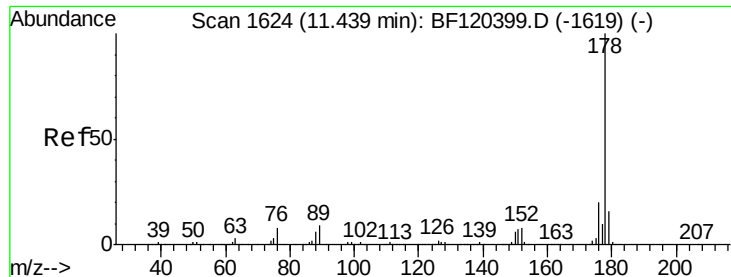
#71
 Phenanthrene
 Concen: 9.469 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120487.D
 Acq: 2 Jun 2020 11:45

Tgt Ion:178 Resp: 278444
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.2
 179 15.2 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: 2.445 ng

RT: 11.44 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

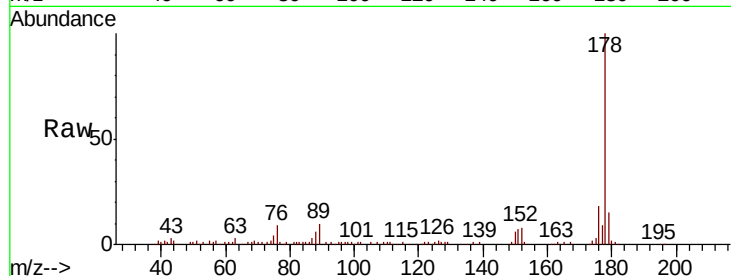
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 72127

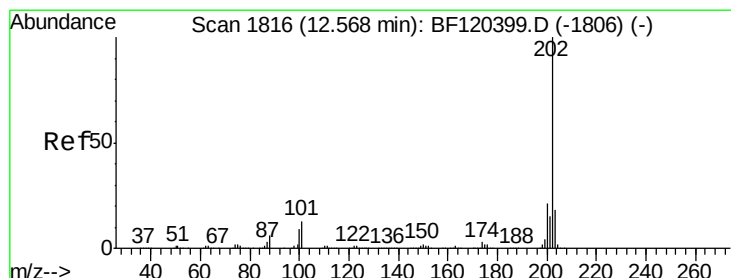
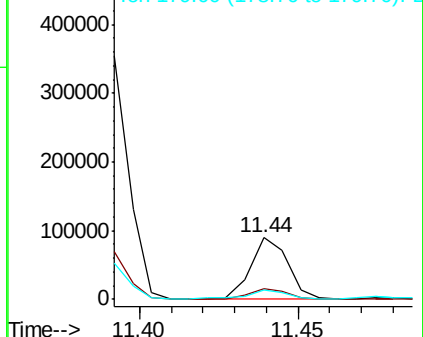
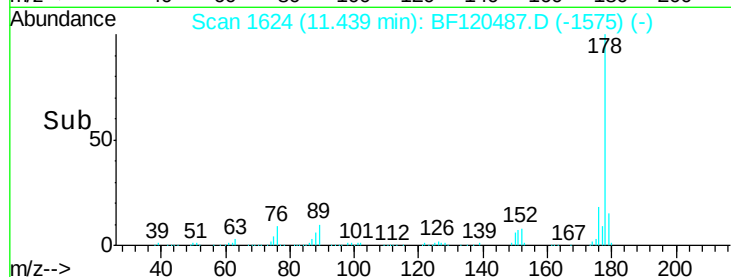
Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.9	23.9
179	14.9	12.7	19.1



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: 14.228 ng

RT: 12.58 min Scan# 1818

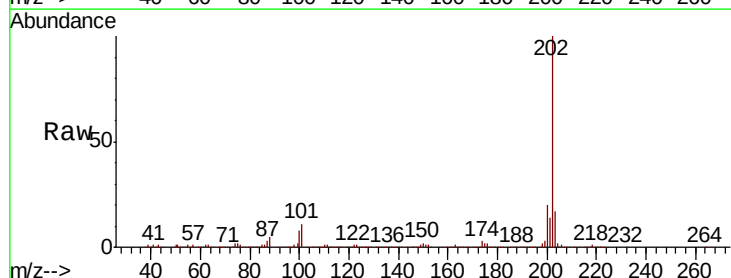
Delta R.T. -0.01 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

Tgt Ion:202 Resp: 450192

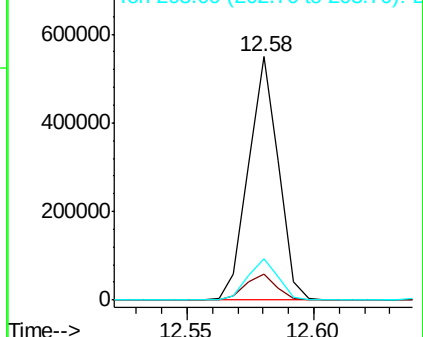
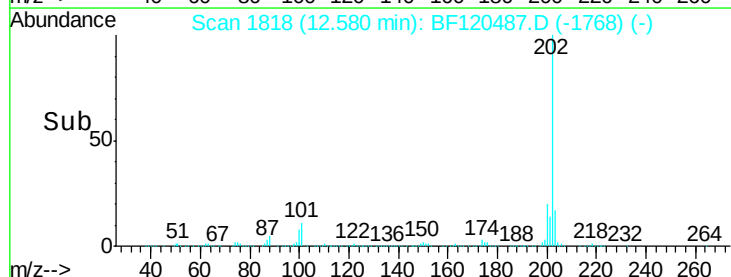
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	17.3	0.0	38.8

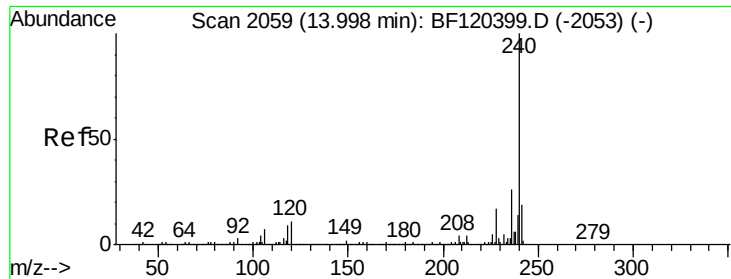


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

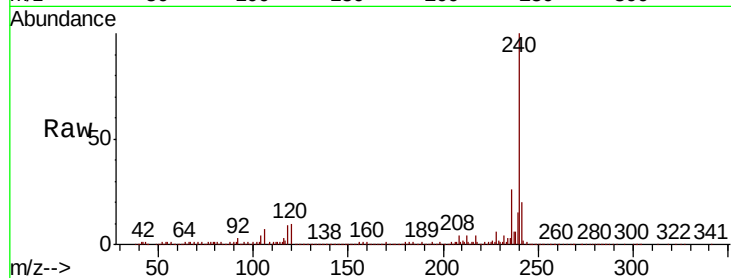




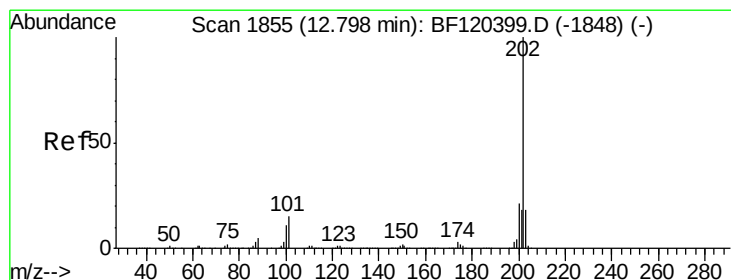
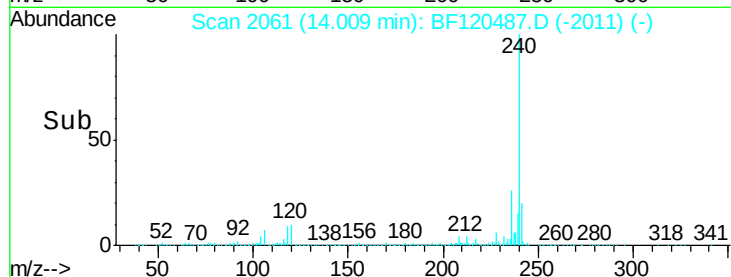
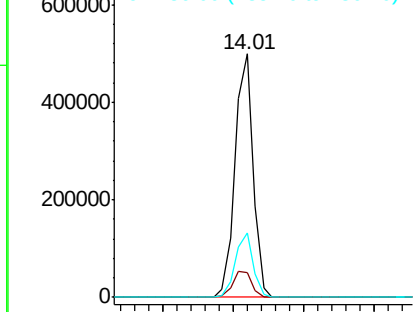
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 441304
Ion Ratio Lower Upper
240 100
120 10.2 9.9 14.9
236 26.2 21.0 31.6

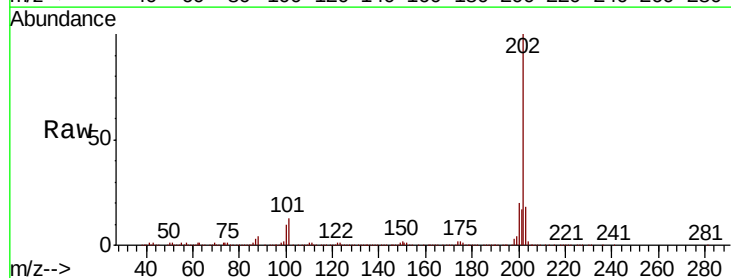


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

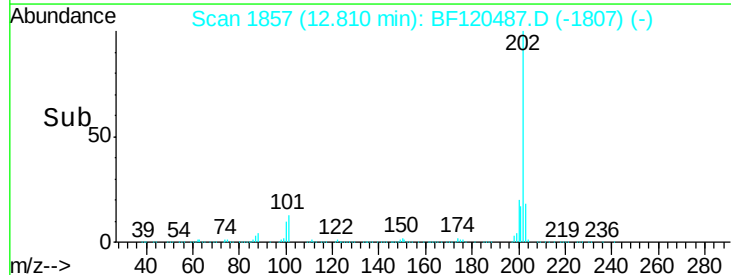
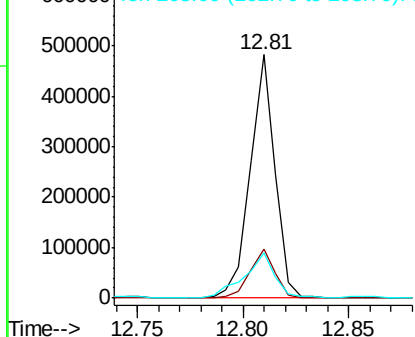


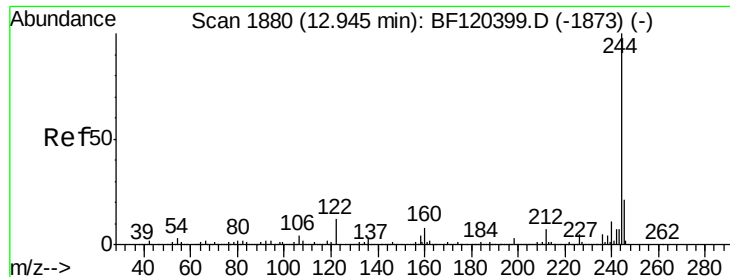
#78
Pyrene
Concen: 12.864 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

Tgt Ion:202 Resp: 394783
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.6
203 18.4 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: 89.908 ng

RT: 12.96 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

Instrument :

BNA_F

ClientSampled :

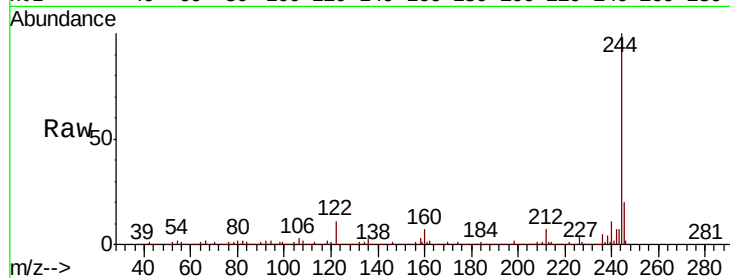
Tot Ion:244 Resp: 1783040

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

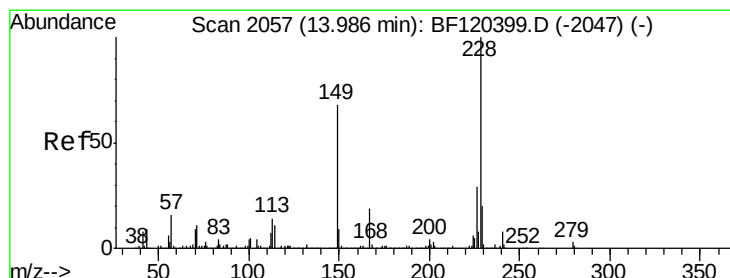
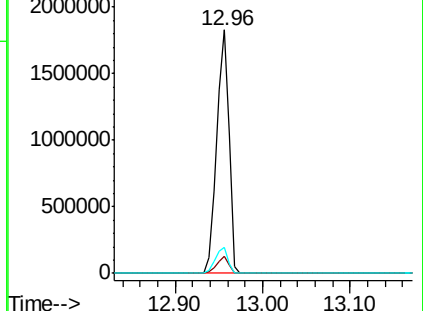
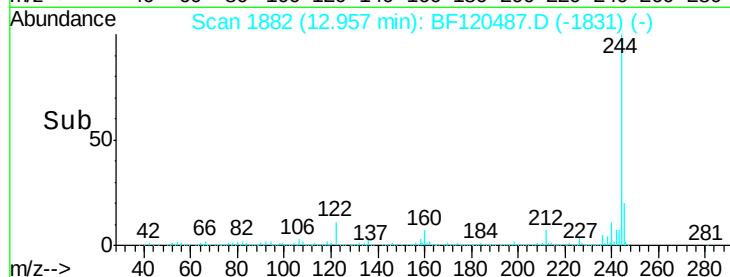
122 10.8 8.7 13.1



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: 8.645 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120487.D

Acq: 2 Jun 2020 11:45

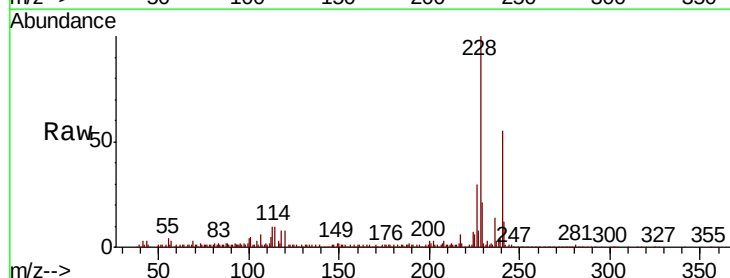
Tgt Ion:228 Resp: 204473

Ion Ratio Lower Upper

228 100

226 30.4 22.9 34.3

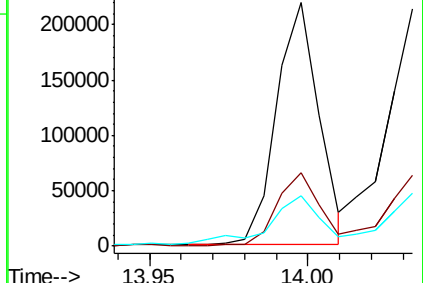
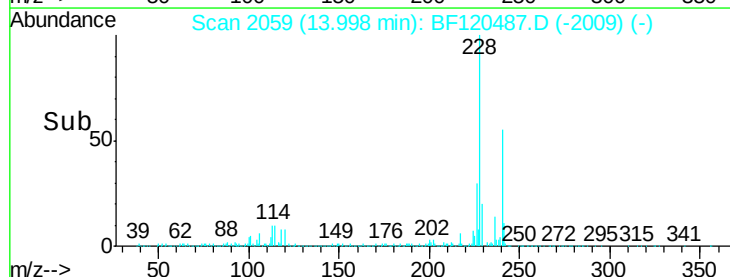
229 20.8 16.3 24.5

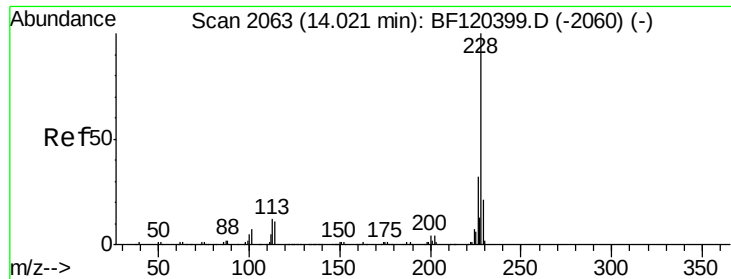


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

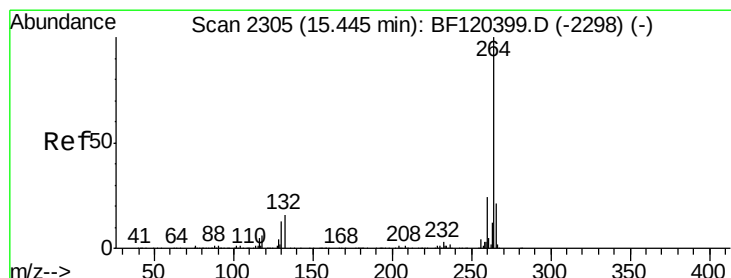
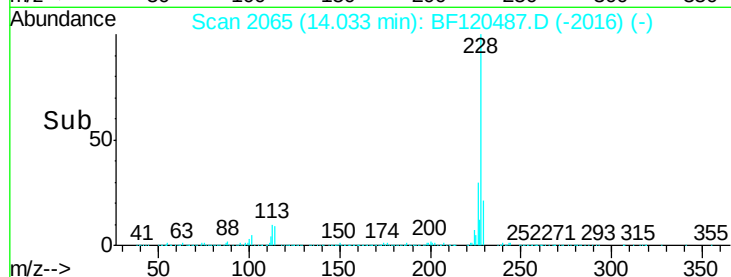
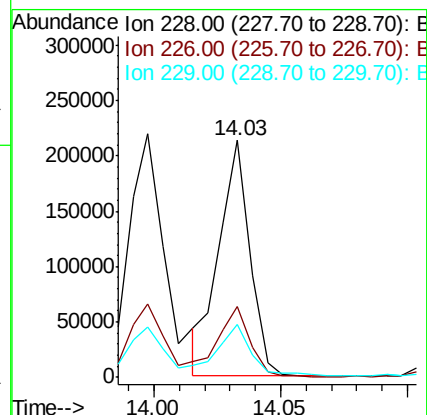
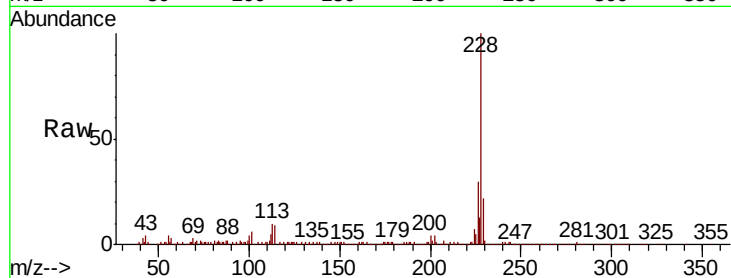




#83
Chrysene
Concen: 7.348 ng
RT: 14.03 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

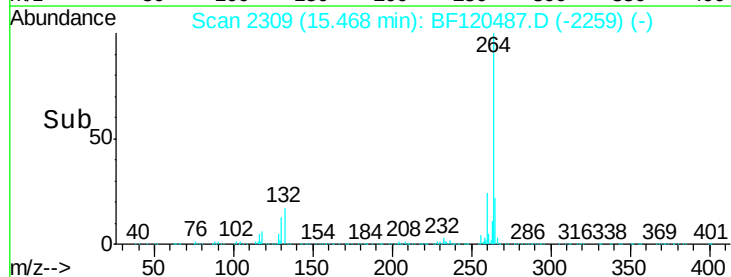
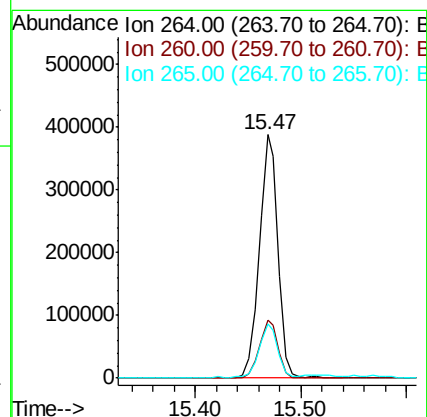
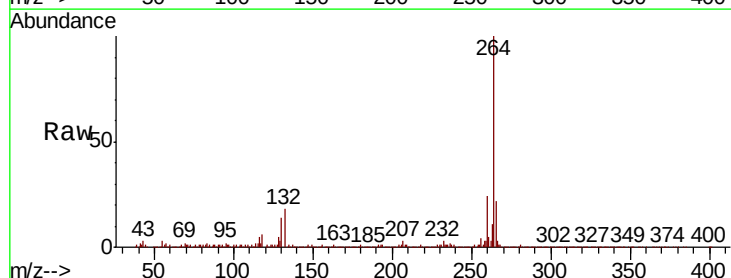
Instrument :
BNA_F
ClientSampled :

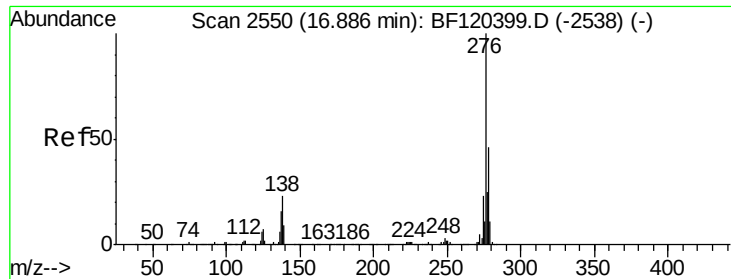
Tot Ion:228 Resp: 182186
Ion Ratio Lower Upper
228 100
226 30.1 25.7 38.5
229 22.3 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

Tgt Ion:264 Resp: 477868
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 22.3 17.6 26.4

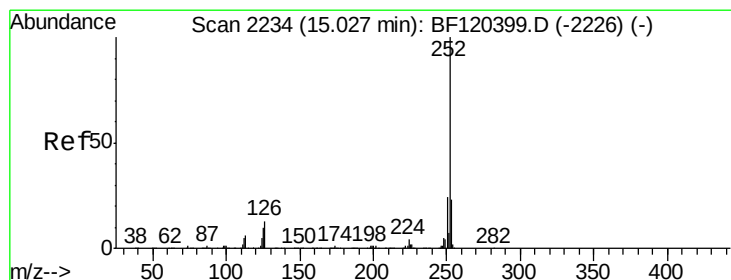
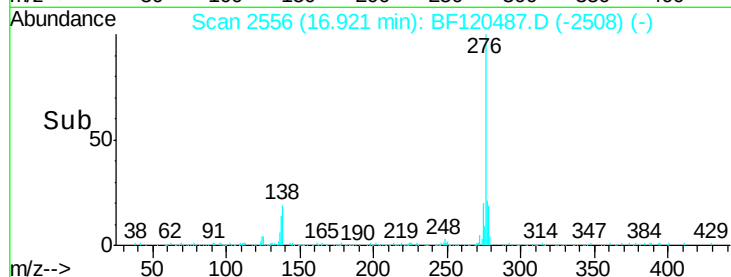
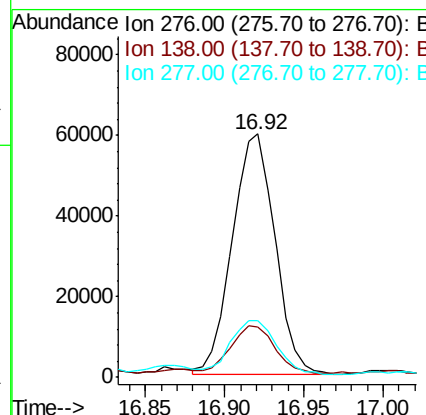
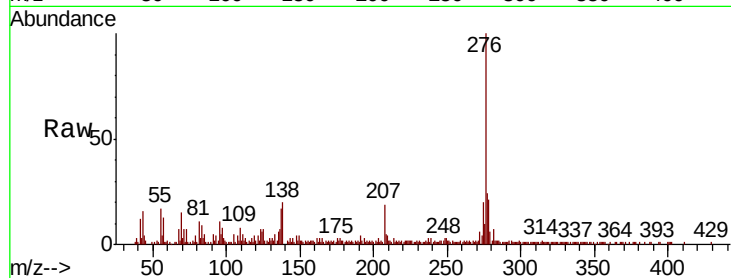




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.269 ng
 RT: 16.92 min Scan# 2556
 Delta R.T. -0.02 min
 Lab File: BF120487.D
 Acq: 2 Jun 2020 11:45

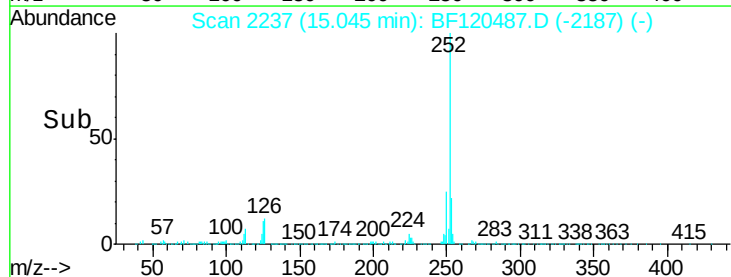
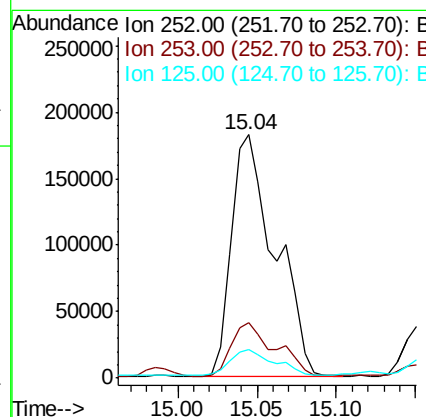
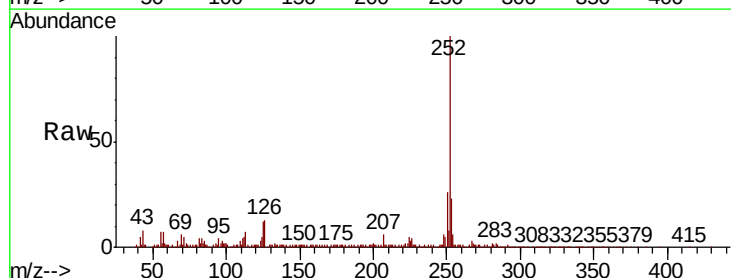
Instrument :
 BNA_F
 ClientSampleId :

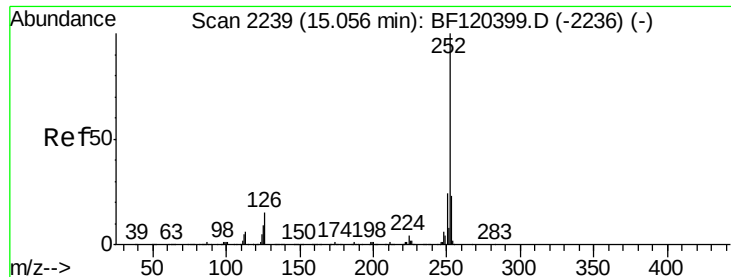
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.3	28.9
277	24.2	20.7	31.1



#88
 Benzo(b)fluoranthene
 Concen: 13.140 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120487.D
 Acq: 2 Jun 2020 11:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.9	8.2	12.4

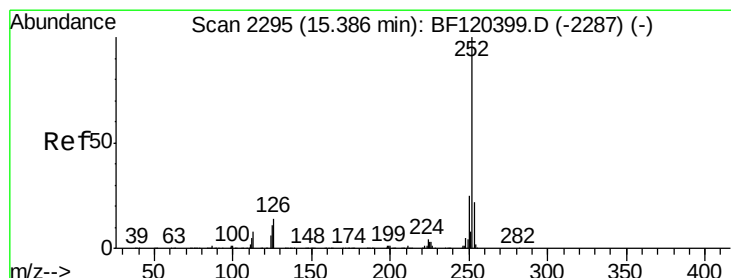
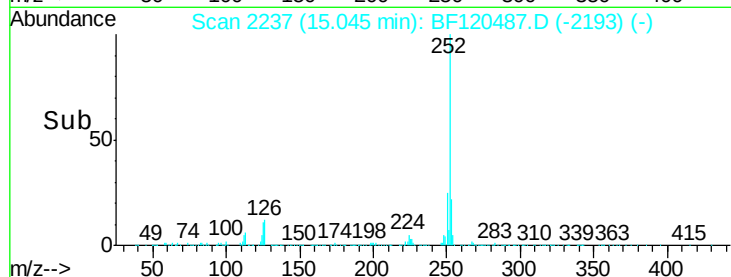
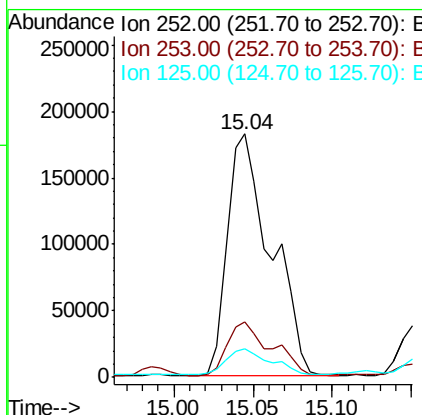
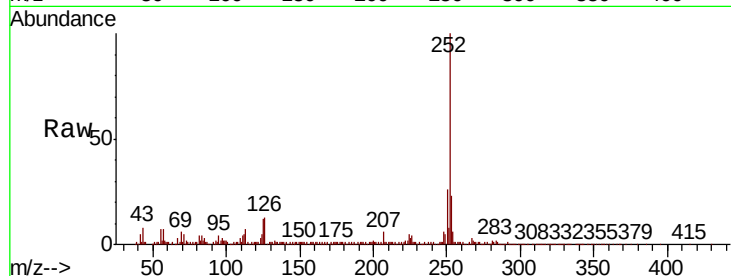




#89
Benzo(k)fluoranthene
Concen: 14.075 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

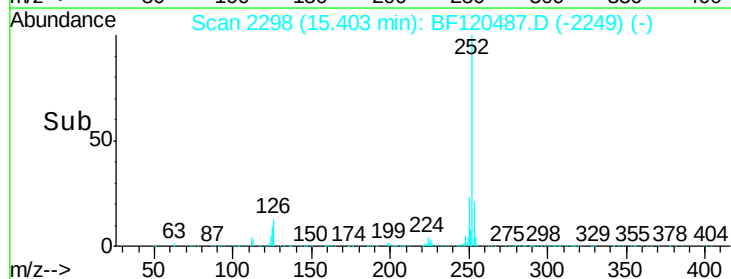
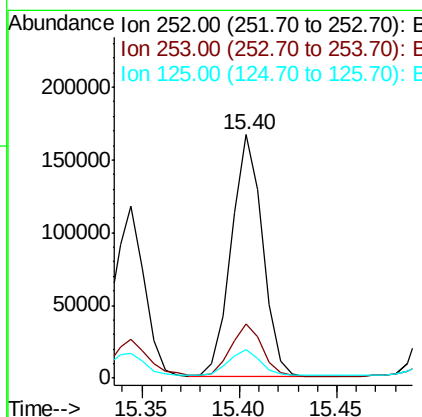
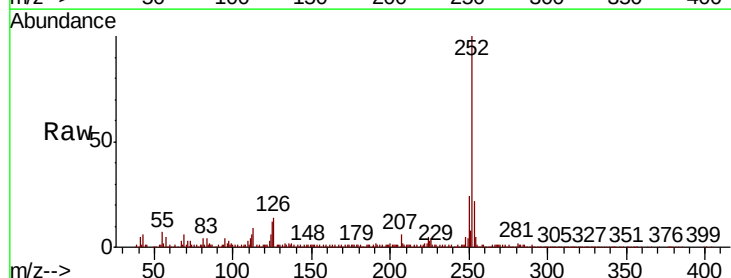
Instrument :
BNA_F
ClientSampled :

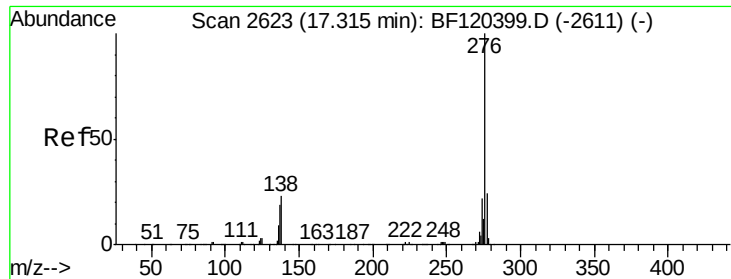
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.9	7.1	10.7



#90
Benzo(a)pyrene
Concen: 7.963 ng
RT: 15.40 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BF120487.D
Acq: 2 Jun 2020 11:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	11.7	9.0	13.4

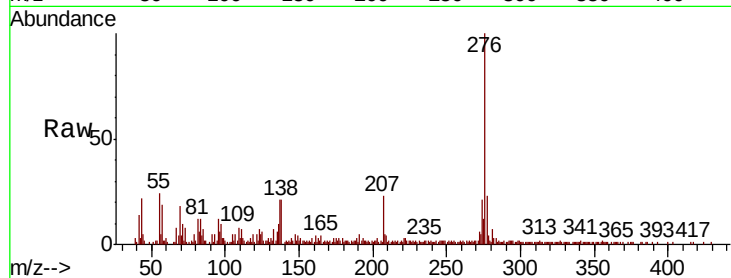




#92
 Benzo(a,h,i)perylene
 Concen: 4.953 ng
 RT: 17.36 min Scan# 2631
 Delta R.T. -0.02 min
 Lab File: BF120487.D
 Acq: 2 Jun 2020 11:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.8	28.2
138	21.0	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

