

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119888.D
 Acq On : 9 Apr 2020 23:42
 Operator : MA/SJ
 Sample : L2157-01
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:33:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	170361	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	581666	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	235375	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	359746	20.00	ng	0.00
76) Chrysene-d12	13.94	240	286165	20.00	ng	0.00
87) Perylene-d12	15.37	264	250658	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1473577	149.48	ng	0.01
7) Phenol-d6	6.41	99	1821263	143.38	ng	0.00
23) Nitrobenzene-d5	7.33	82	1133425	100.81	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	333572	115.75	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1522054	91.81	ng	0.00
79) Terphenyl-d14	12.89	244	1221374	71.82	ng	0.00

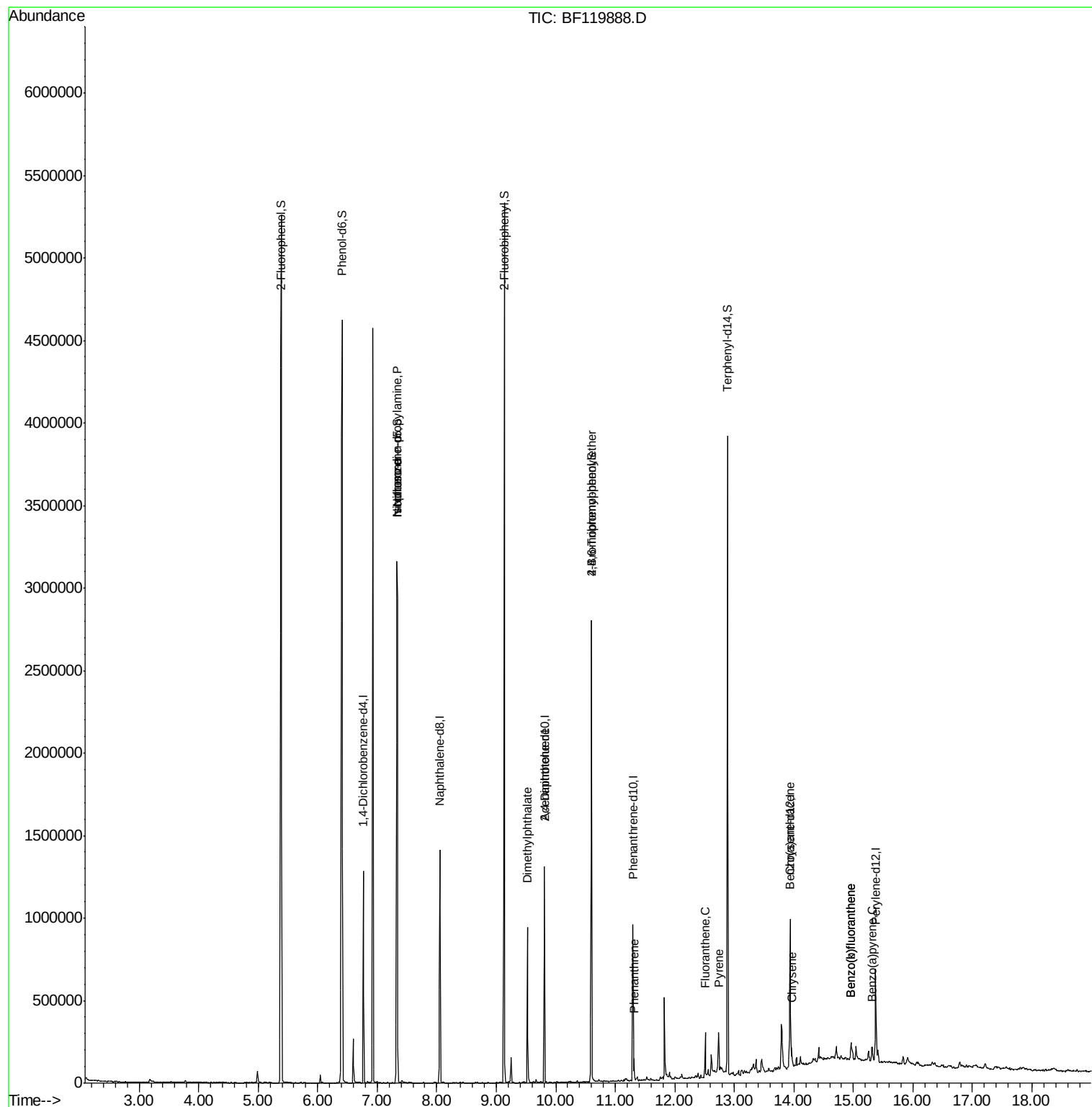
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.32	77	107	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.33	70	149623	18.318	ng	# 77
25) Isophorone	7.33	82	1130702	52.168	ng	# 65
50) Dimethylphthalate	9.53	163	325654	17.887	ng	# 98
57) 2,4-Dinitrotoluene	9.81	165	29861	5.685	ng	# 22
67) 4-Bromophenyl-phenylether	10.60	248	20479	4.578	ng	# 1
71) Phenanthrene	11.32	178	49315	2.576	ng	# 98
75) Fluoranthene	12.51	202	109781	5.314	ng	# 95
78) Pyrene	12.74	202	98964	4.102	ng	# 99
81) Benzo(a)anthracene	13.93	228	42864	2.277	ng	# 94
83) Chrysene	13.96	228	47358	2.476	ng	# 99
88) Benzo(b)fluoranthene	14.96	252	77234	4.283	ng	# 94
89) Benzo(k)fluoranthene	14.96	252	77234	4.964	ng	# 94
90) Benzo(a)pyrene	15.32	252	36054	2.378	ng	# 91

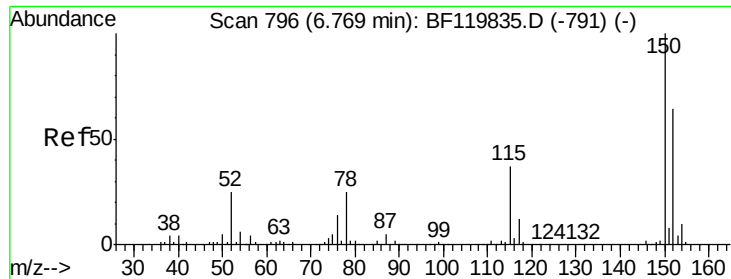
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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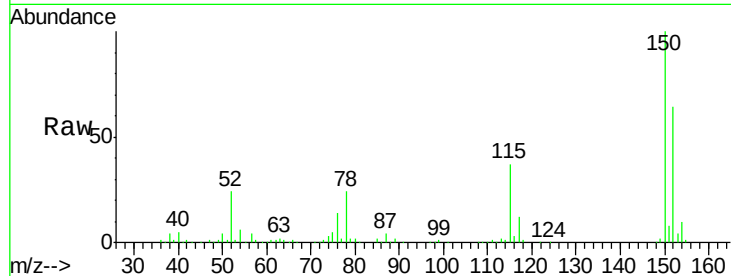


#1

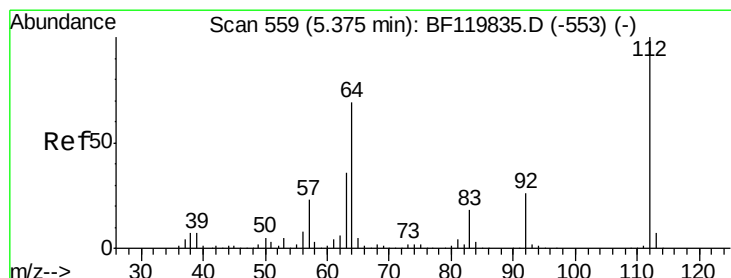
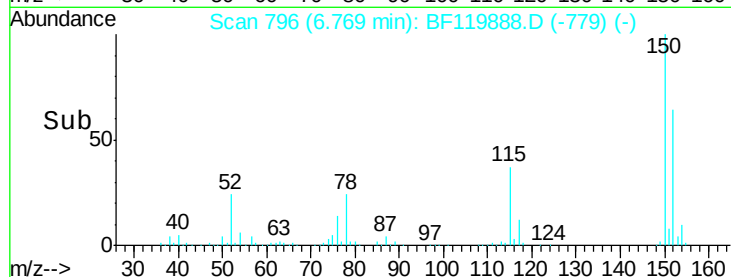
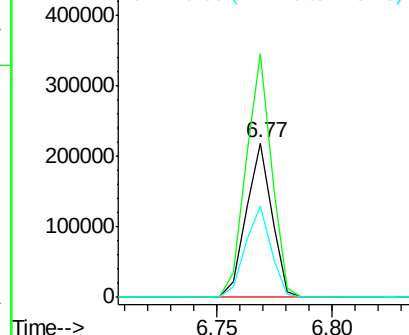
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170361
Ion Ratio Lower Upper
152 100
150 157.5 124.8 187.2
115 58.7 46.5 69.7



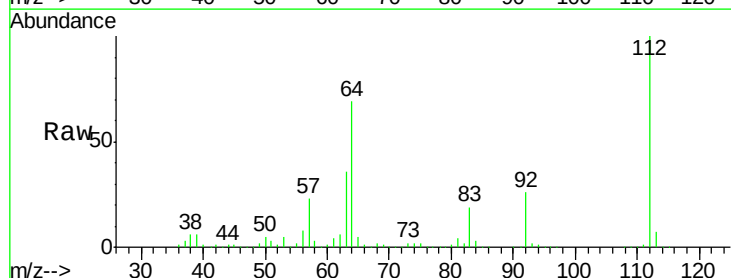
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



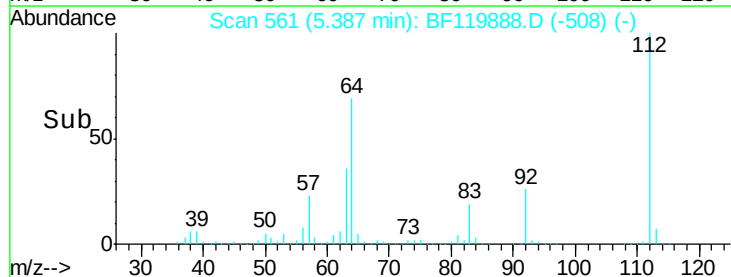
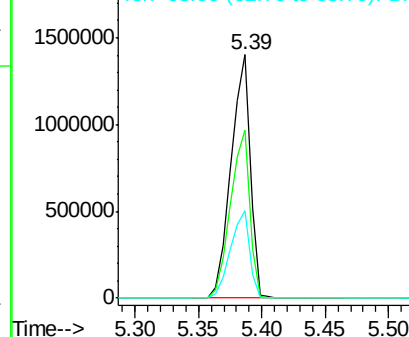
#5

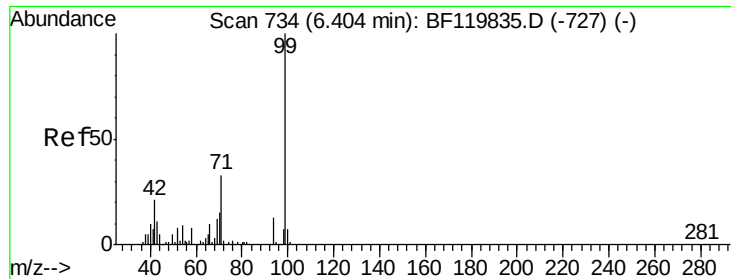
2-Fluorophenol
Concen: 149.483 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Tgt Ion:112 Resp: 1473577
Ion Ratio Lower Upper
112 100
64 69.1 55.5 83.3
63 36.0 29.1 43.7



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: 143.381 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

Instrument :

BNA_F

ClientSampleId :

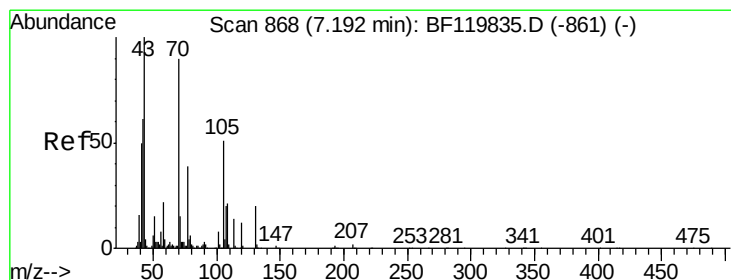
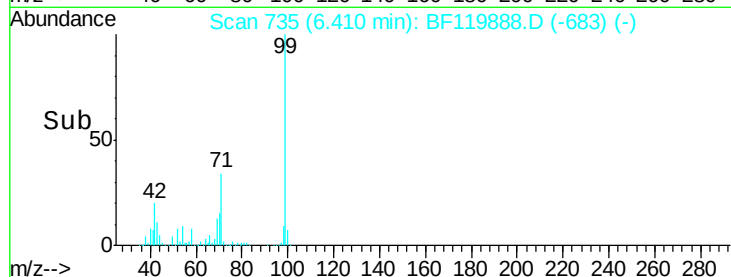
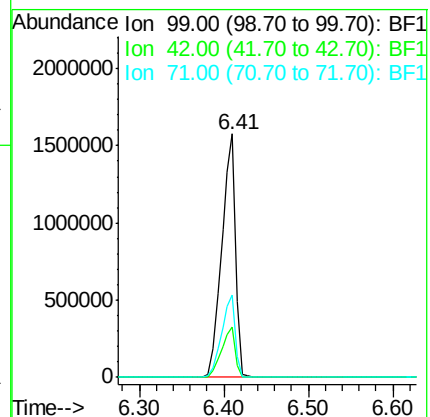
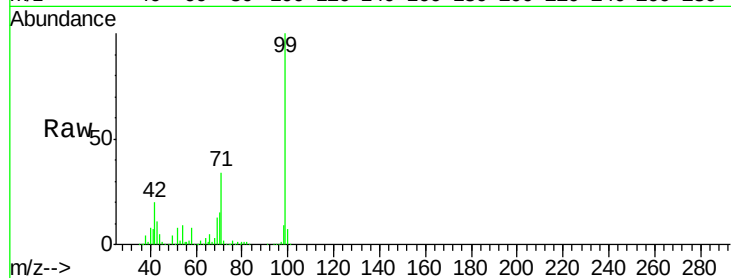
Tot Ion: 99 Resp: 1821263

Ion Ratio Lower Upper

99 100

42 20.5 16.9 25.3

71 33.7 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.318 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.14 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

Tgt Ion: 70 Resp: 149623

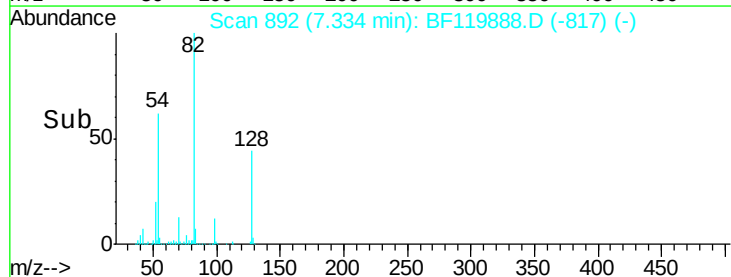
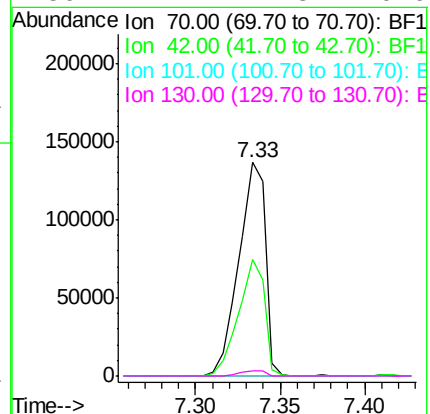
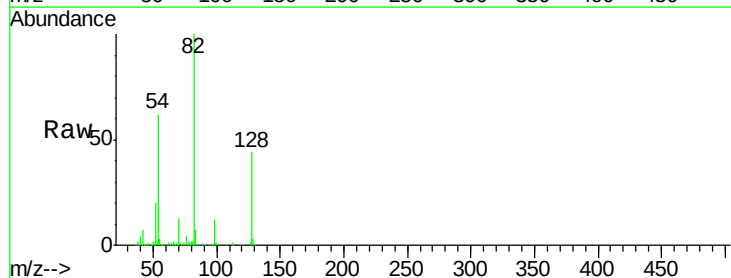
Ion Ratio Lower Upper

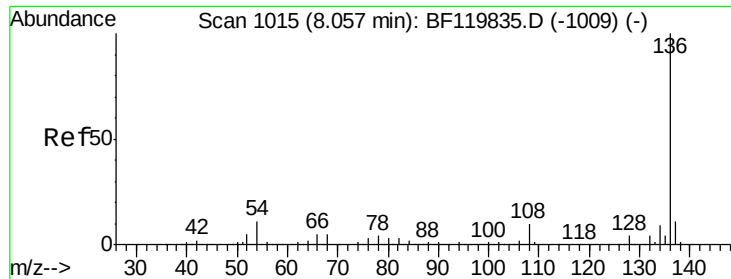
70 100

42 54.3 54.2 81.4

101 0.0 7.4 11.2#

130 2.7 17.8 26.6#

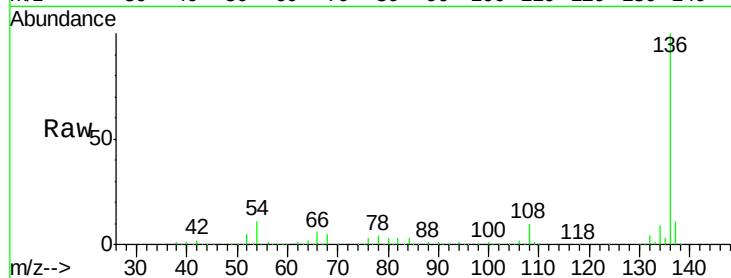




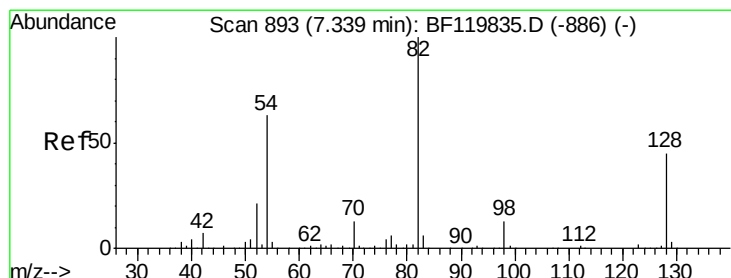
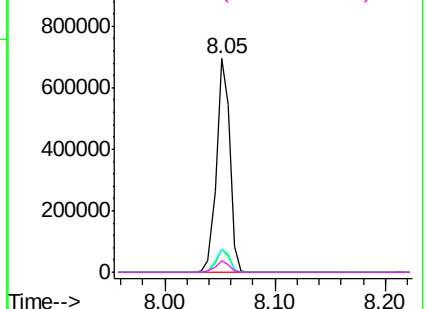
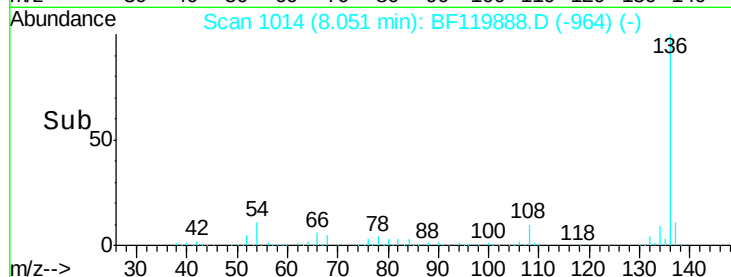
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 581666
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 11.0 8.5 12.7
68 5.3 3.9 5.9

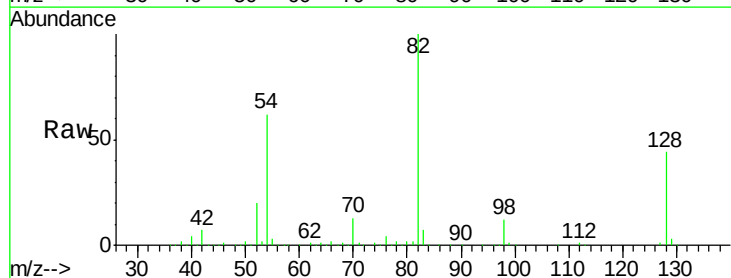


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

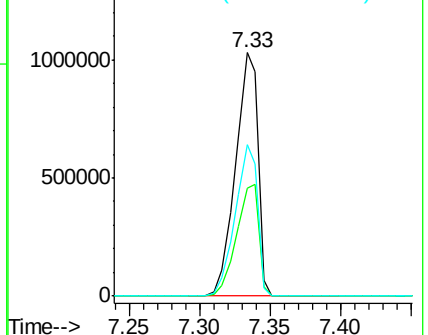
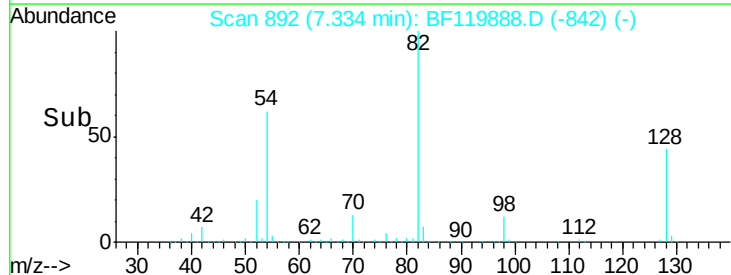


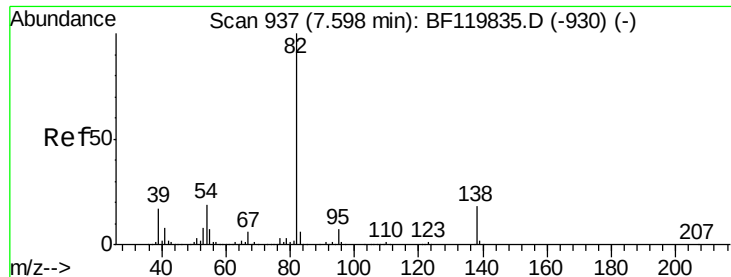
#23
Nitrobenzene-d5
Concen: 100.807 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Tgt Ion: 82 Resp: 1133425
Ion Ratio Lower Upper
82 100
128 44.5 36.2 54.4
54 62.4 50.4 75.6



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: 52.168 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

Instrument :

BNA_F

ClientSampleId :

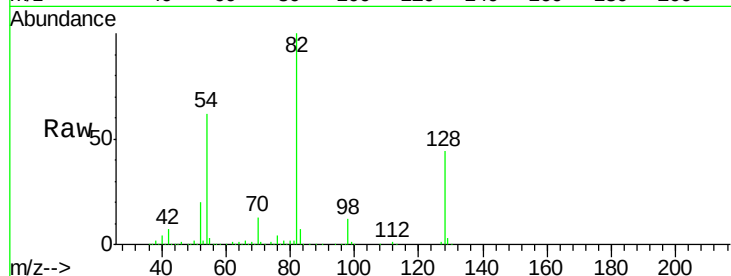
Tot Ion: 82 Resp: 1130702

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

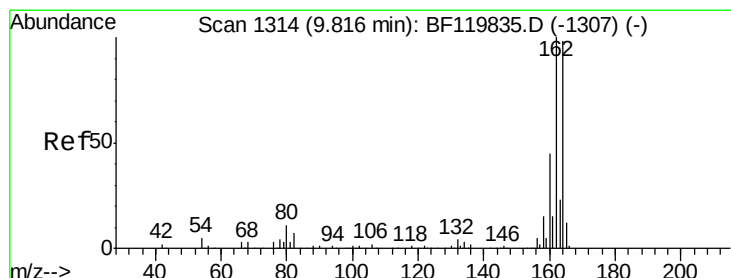
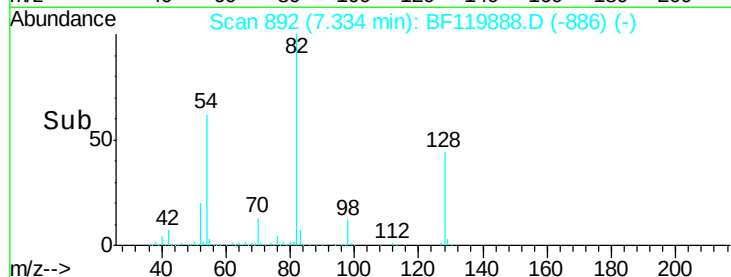
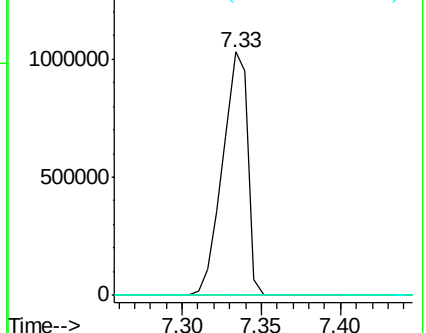
138 0.0 14.5 21.7#



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: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

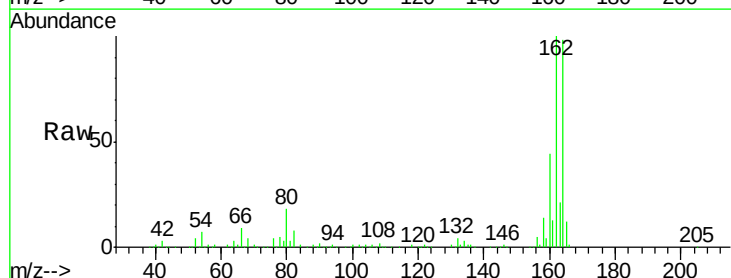
Tgt Ion:164 Resp: 235375

Ion Ratio Lower Upper

164 100

162 102.2 81.9 122.9

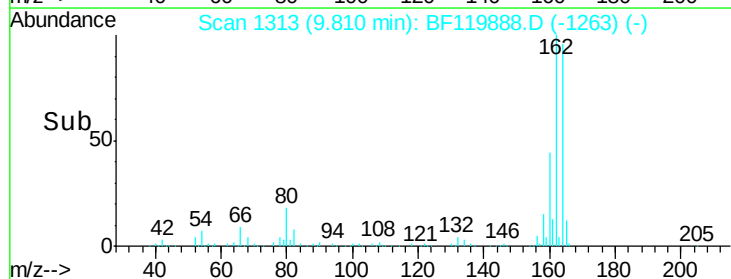
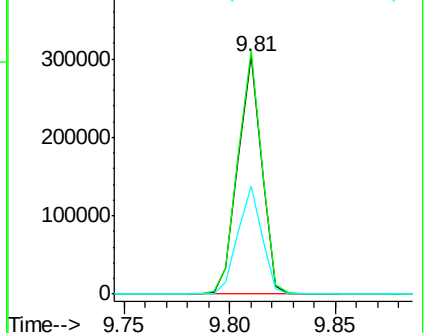
160 45.2 36.6 54.8

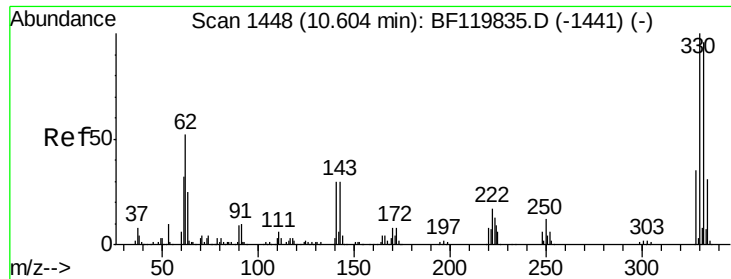


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

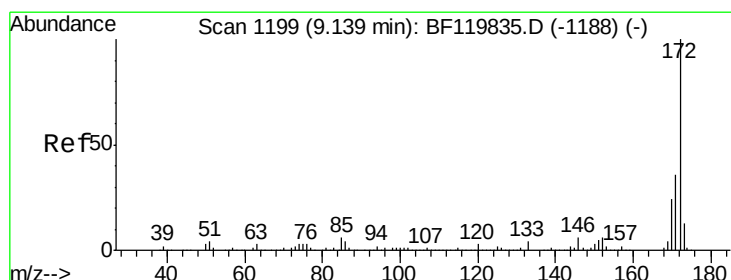
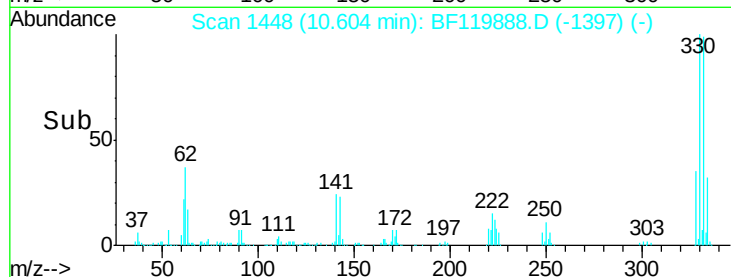
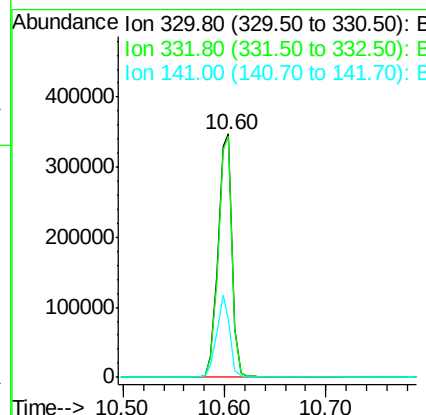
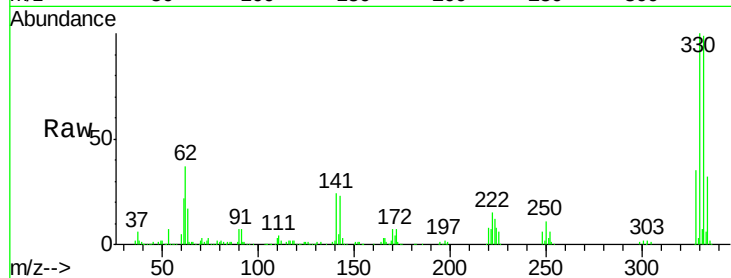




#42
 2,4,6-Tribromophenol
 Concen: 115.752 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: BF119888.D
 Acq: 9 Apr 2020 23:42

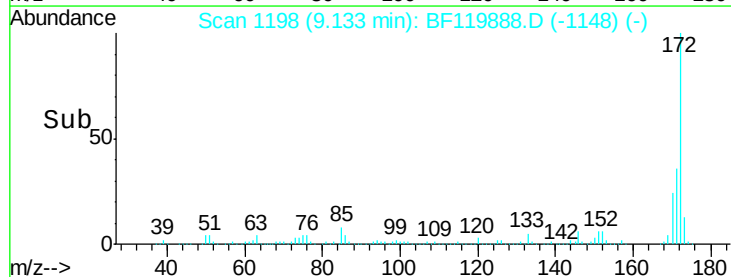
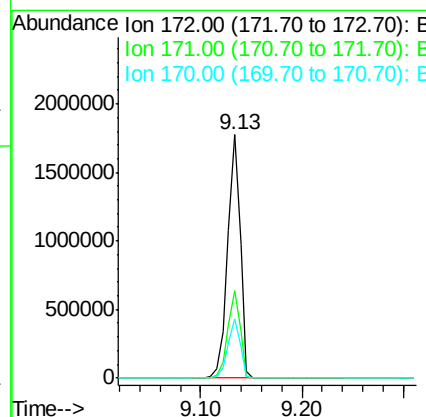
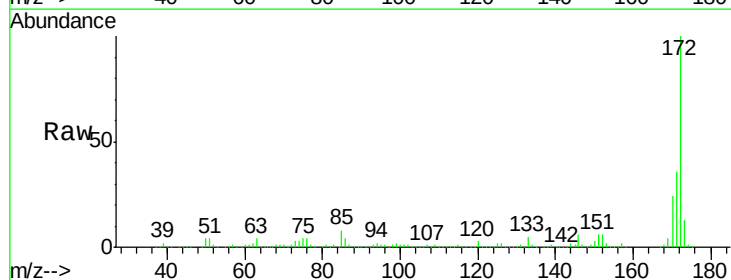
Instrument :
 BNA_F
 ClientSampleId :

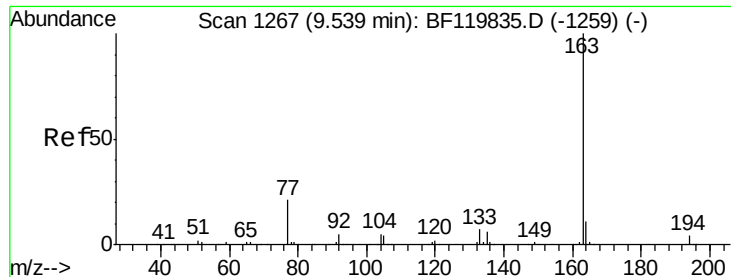
Tot Ion:330 Resp: 333572
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.8 115.2
 141 31.4 25.1 37.7



#45
 2-Fluorobiphenyl
 Concen: 91.810 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF119888.D
 Acq: 9 Apr 2020 23:42

Tgt Ion:172 Resp: 1522054
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.9 43.3
 170 24.4 19.4 29.2





#50

Dimethylphthalate

Concen: 17.887 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

Instrument :

BNA_F

ClientSampled :

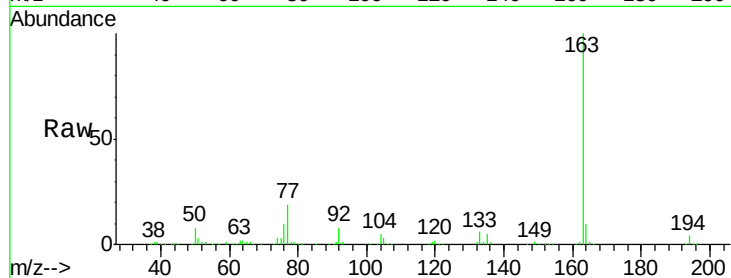
Tot Ion:163 Resp: 325654

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

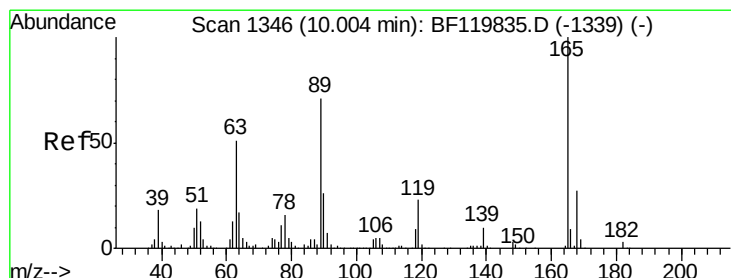
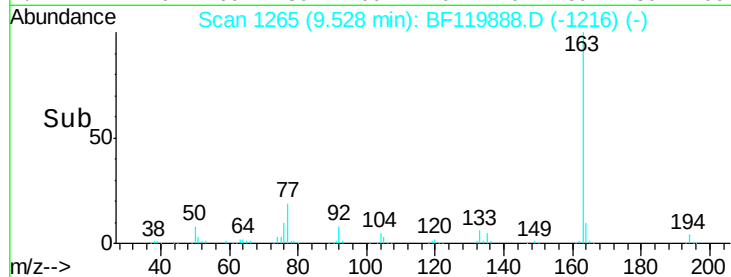
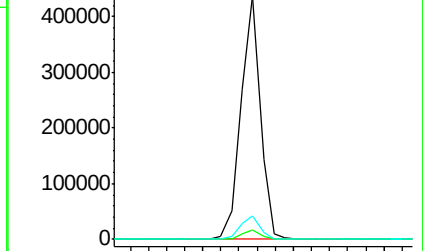
164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.685 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

Tgt Ion:165 Resp: 29861

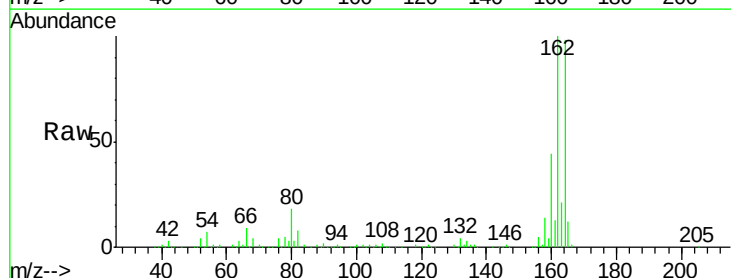
Ion Ratio Lower Upper

165 100

63 1.1 40.8 61.2#

89 0.8 56.9 85.3#

182 0.0 2.0 3.0#

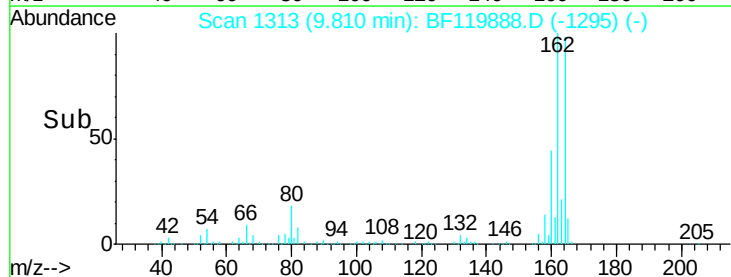
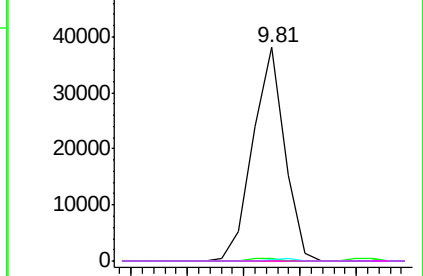


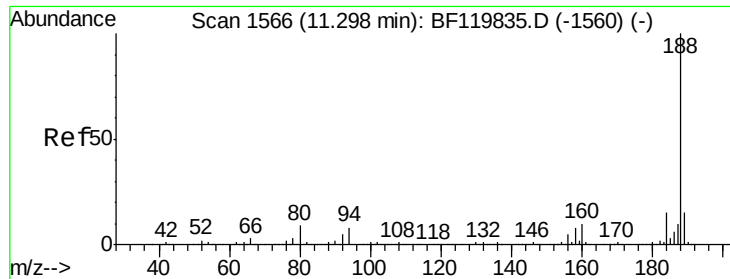
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

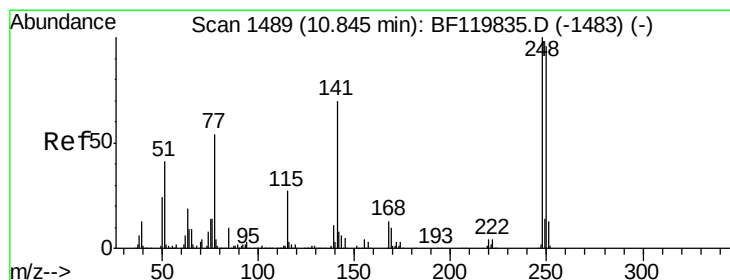
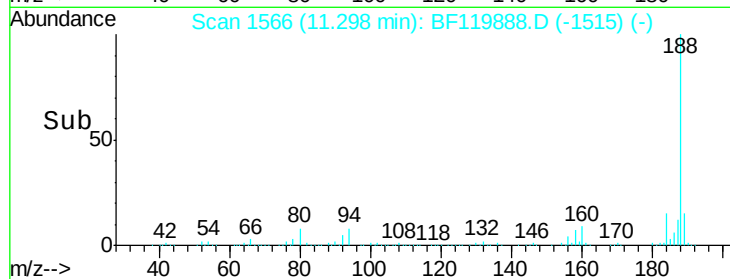
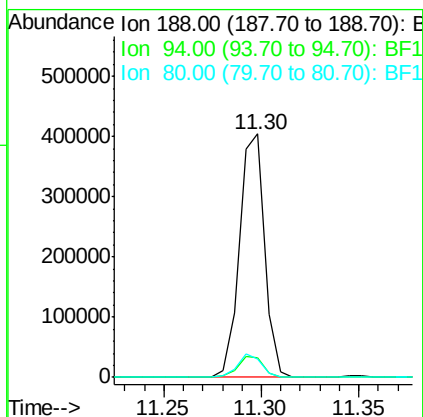
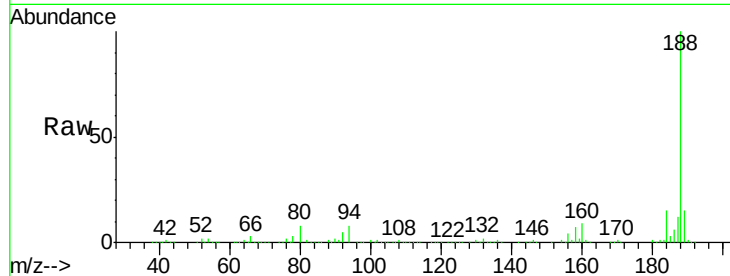




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: BF119888.D
 Acq: 9 Apr 2020 23:42

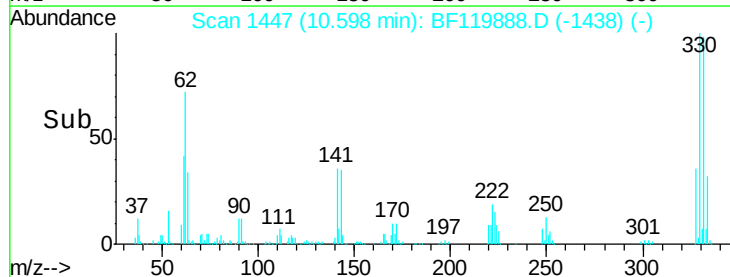
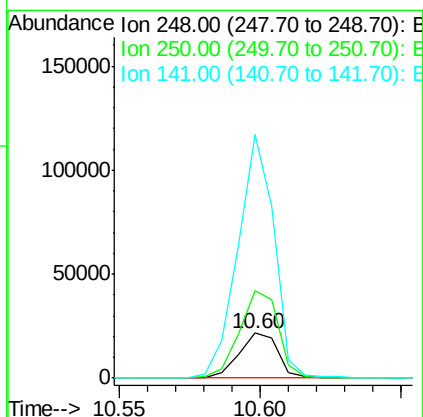
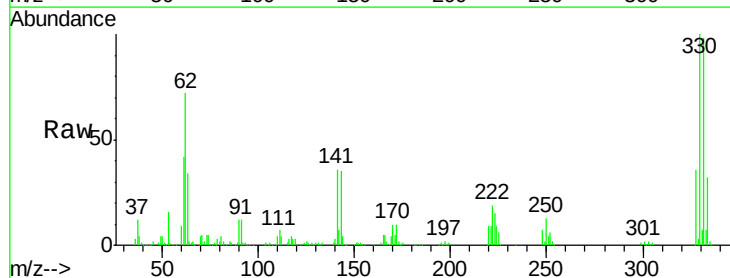
Instrument :
 BNA_F
 ClientSampleId :

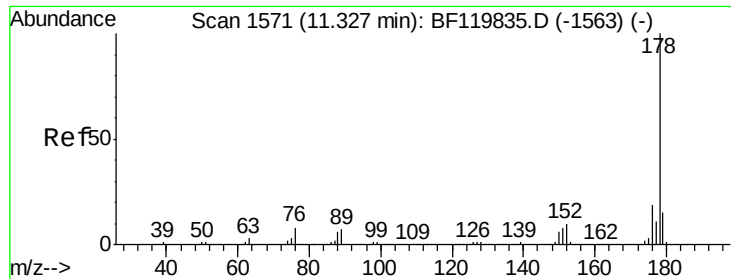
Tot Ion:188 Resp: 359746
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.7 10.1
 80 7.8 7.4 11.2



#67
 4-Bromophenyl-phenylether
 Concen: 4.578 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF119888.D
 Acq: 9 Apr 2020 23:42

Tgt Ion:248 Resp: 20479
 Ion Ratio Lower Upper
 248 100
 250 195.0 76.6 114.8#
 141 540.8 55.9 83.9#

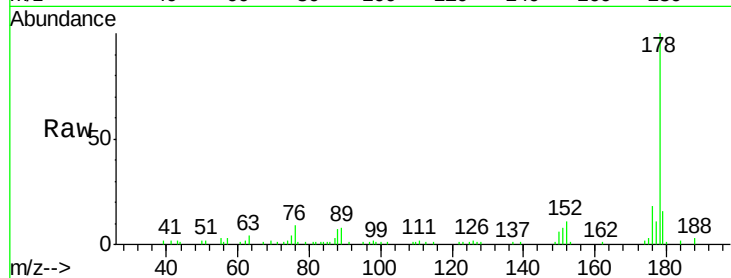




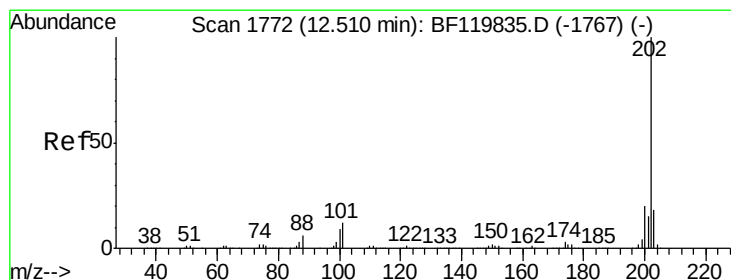
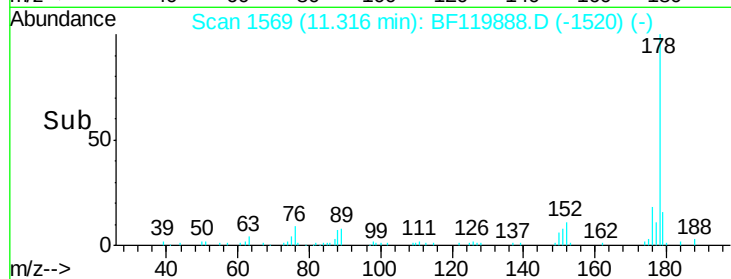
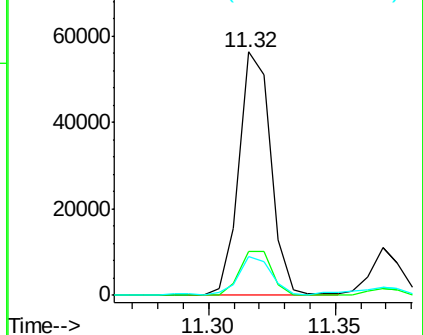
#71
Phenanthrene
Concen: 2.576 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 49315
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 15.9 12.2 18.4

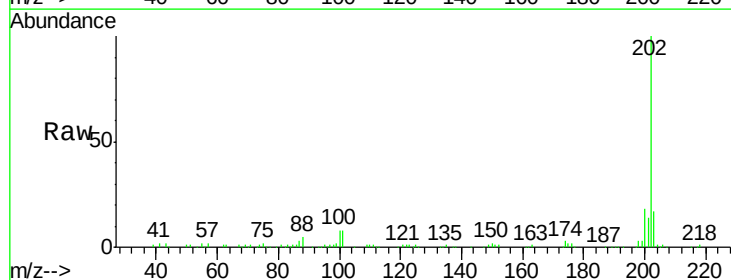


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

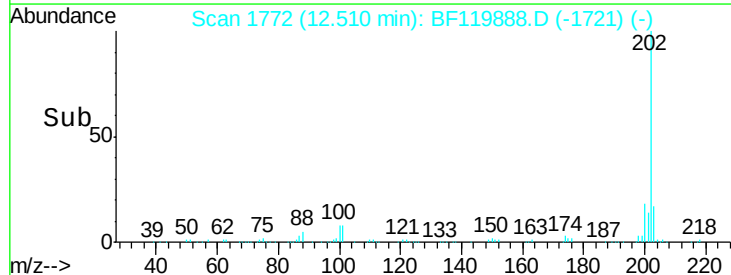
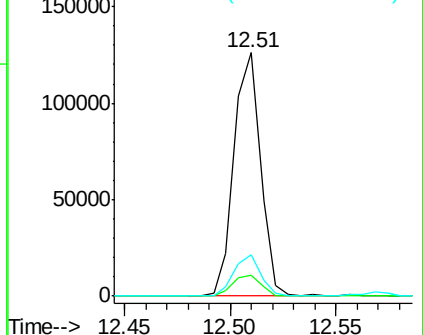


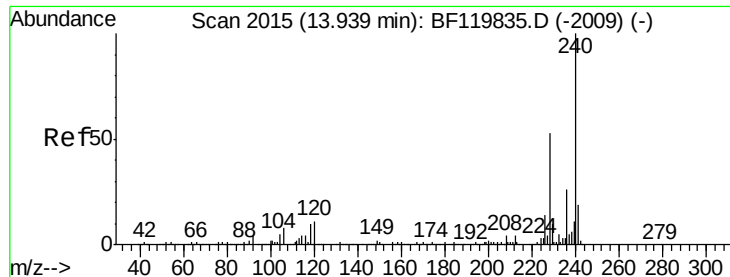
#75
Fluoranthene
Concen: 5.314 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Tgt Ion:202 Resp: 109781
Ion Ratio Lower Upper
202 100
101 8.4 0.0 32.3
203 17.2 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

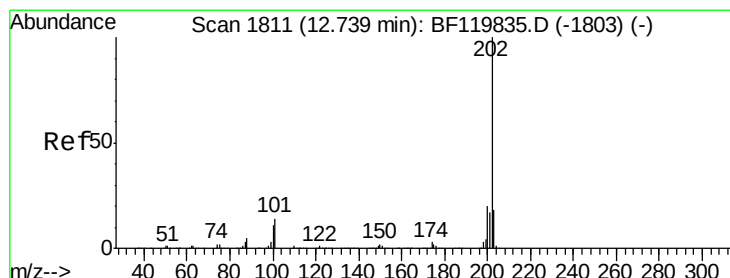
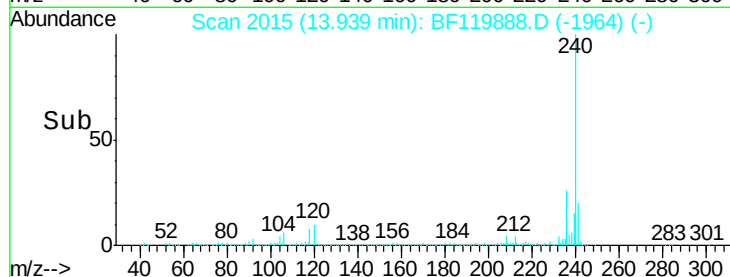
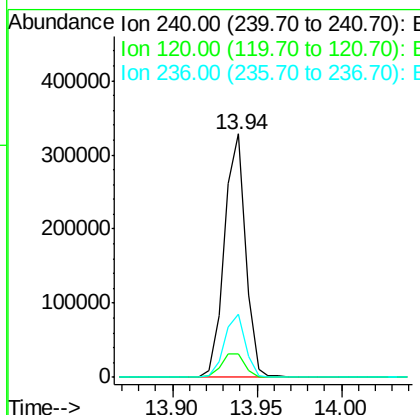
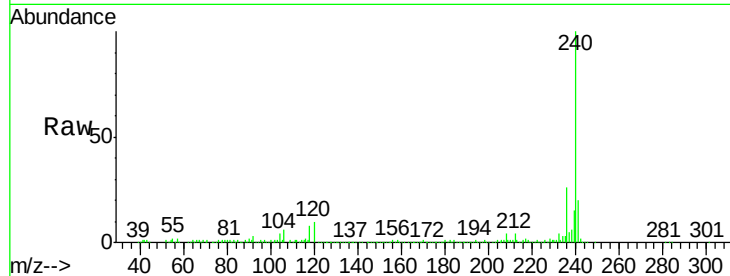




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

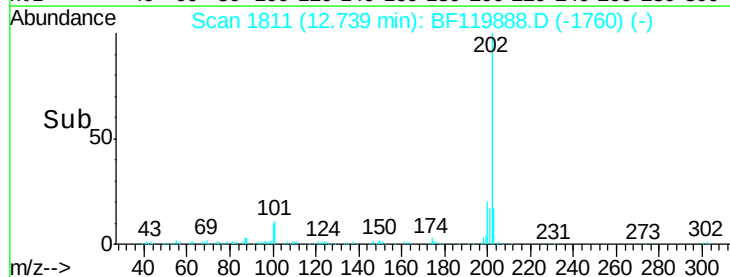
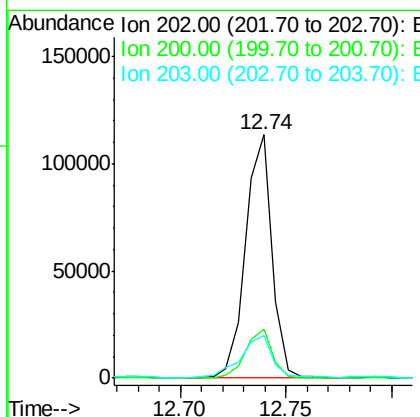
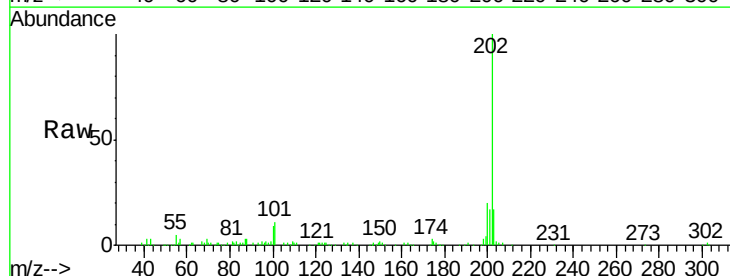
Instrument :
BNA_F
ClientSampleId :

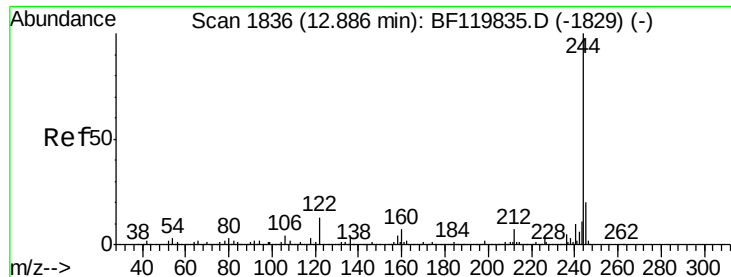
Tot Ion:240 Resp: 286165
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.6
236 26.0 20.7 31.1



#78
Pyrene
Concen: 4.102 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Tgt Ion:202 Resp: 98964
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 71.817 ng

RT: 12.89 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

Instrument :

BNA_F

ClientSampleId :

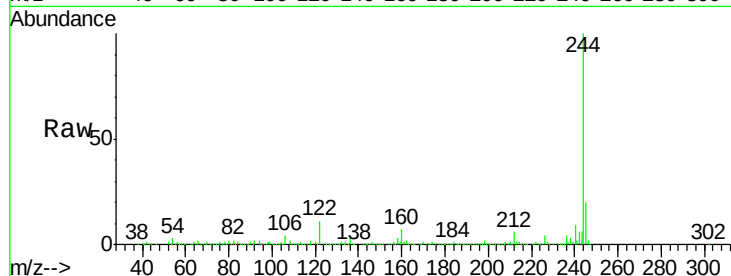
Tot Ion:244 Resp: 1221374

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

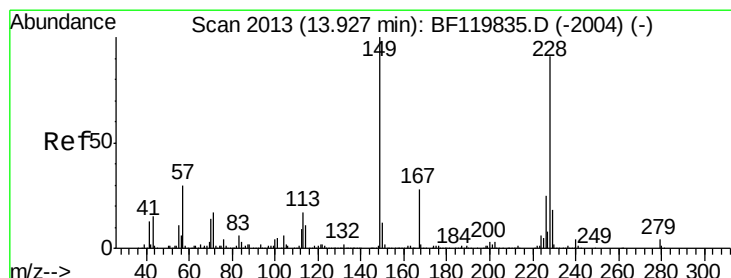
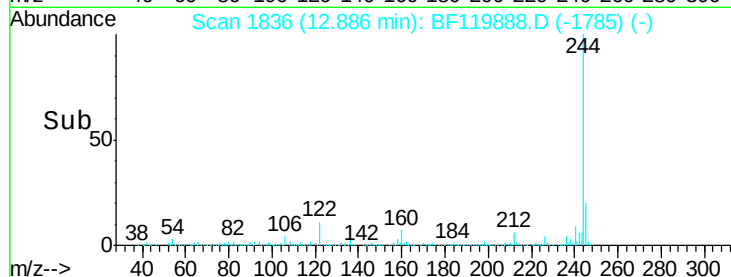
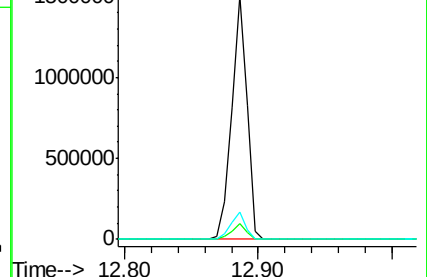
122 11.2 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.277 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF119888.D

Acq: 9 Apr 2020 23:42

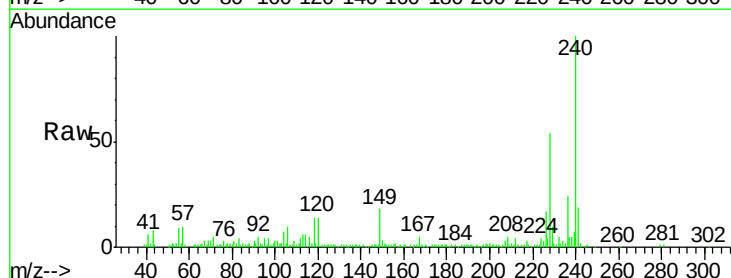
Tgt Ion:228 Resp: 42864

Ion Ratio Lower Upper

228 100

226 31.9 21.9 32.9

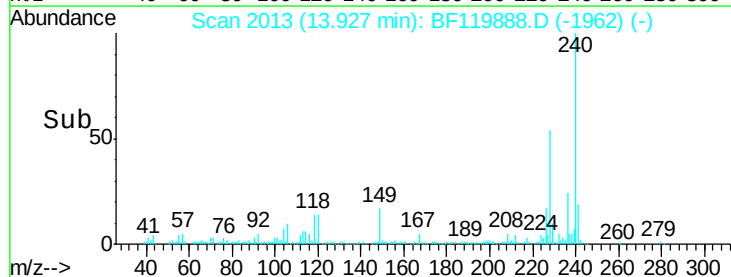
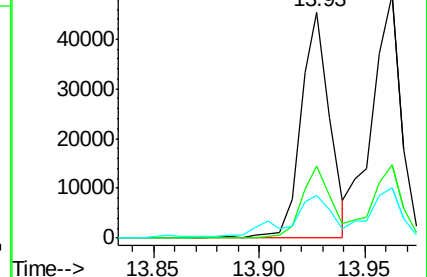
229 19.0 15.9 23.9

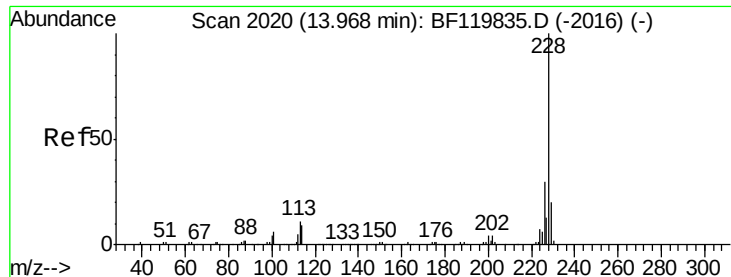


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

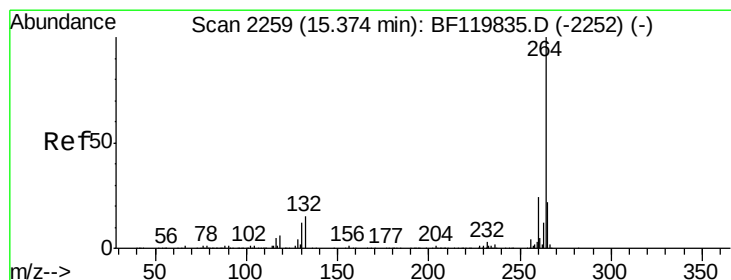
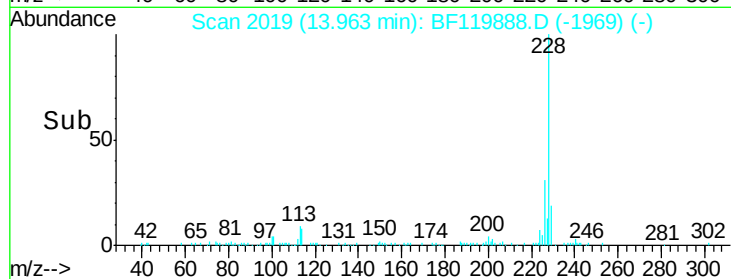
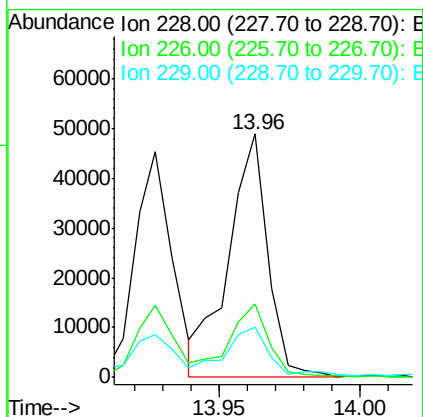
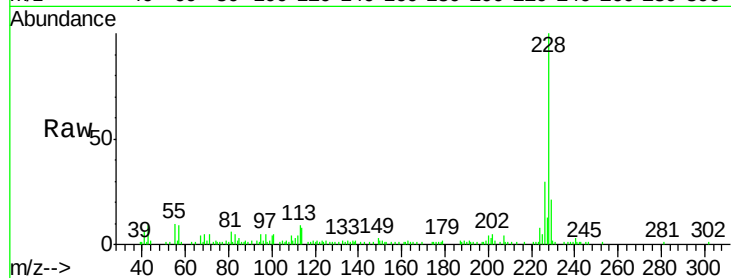




#83
Chrysene
Concen: 2.476 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

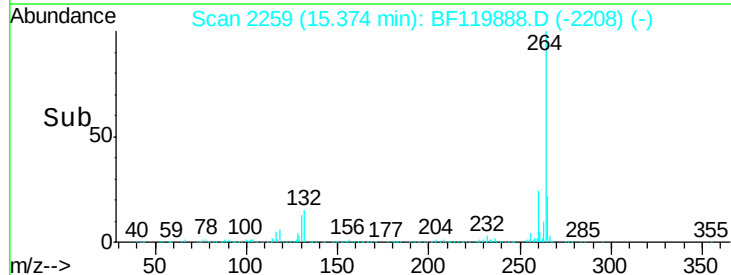
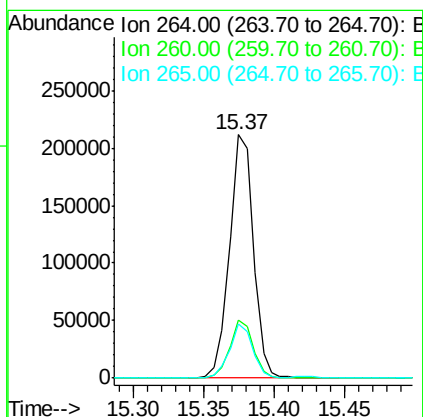
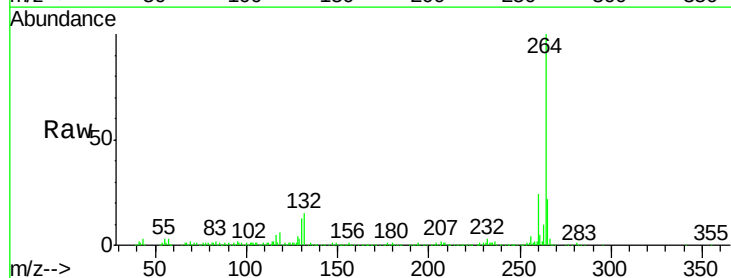
Instrument :
BNA_F
ClientSampleId :

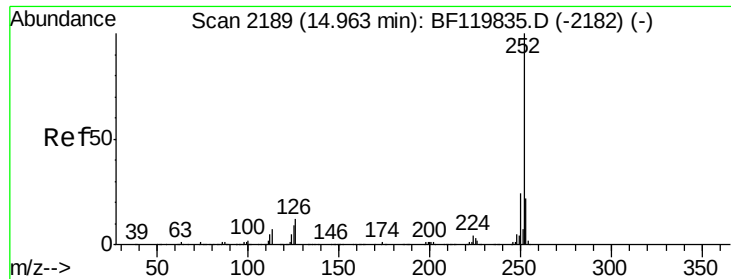
Tot Ion:228 Resp: 47358
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.2
229 20.7 15.9 23.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Tgt Ion:264 Resp: 250658
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 22.5 17.6 26.4

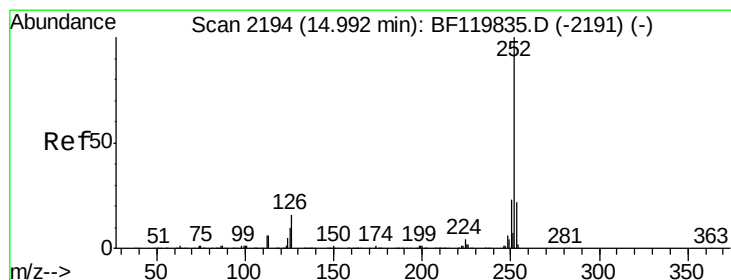
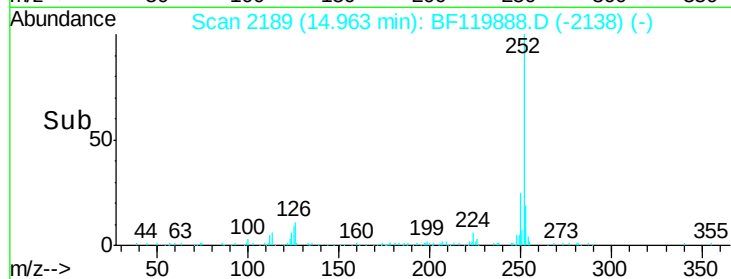
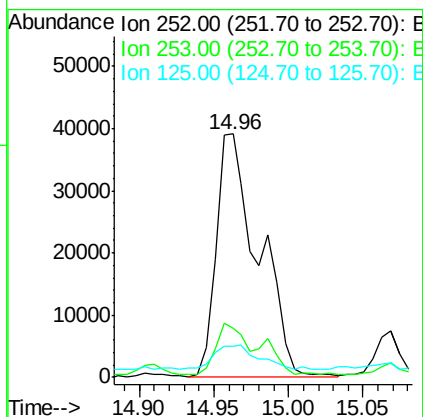
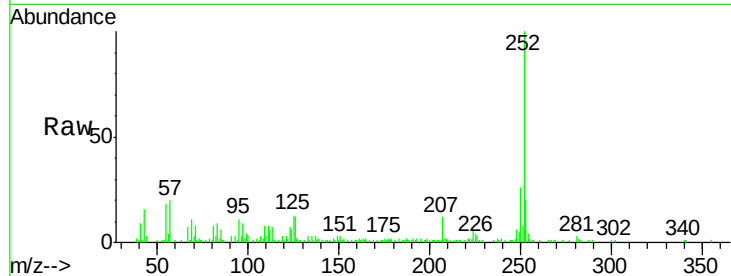




#88
Benzo(b)fluoranthene
Concen: 4.283 ng
RT: 14.96 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

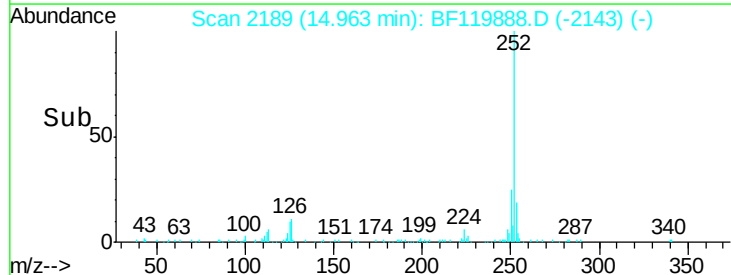
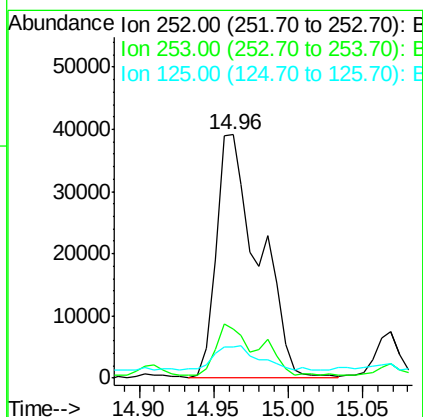
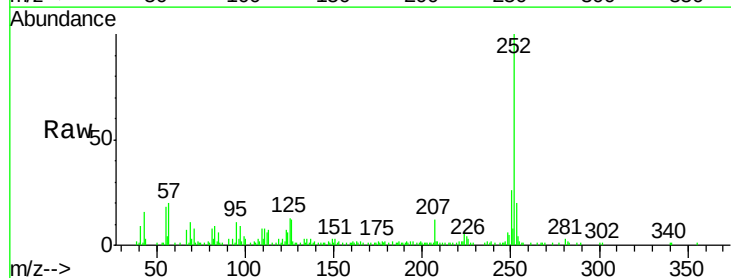
Instrument :
BNA_F
ClientSampleId :

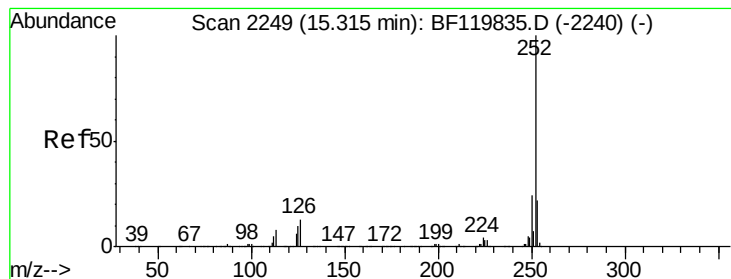
Tot Ion:252 Resp: 77234
Ion Ratio Lower Upper
252 100
253 20.0 17.7 26.5
125 12.9 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 4.964 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.03 min
Lab File: BF119888.D
Acq: 9 Apr 2020 23:42

Tgt Ion:252 Resp: 77234
Ion Ratio Lower Upper
252 100
253 20.0 17.8 26.8
125 12.9 7.7 11.5#





#90
 Benzo(a)pyrene
 Concen: 2.378 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: BF119888.D
 Acq: 9 Apr 2020 23:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.4	26.2
125	15.8	8.3	12.5

