

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119887.D
 Acq On : 9 Apr 2020 23:14
 Operator : MA/SJ
 Sample : L2153-06
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:33:34 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	178452	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	629862	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	257715	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	360847	20.00	ng	0.00
76) Chrysene-d12	13.94	240	340271	20.00	ng	0.00
87) Perylene-d12	15.38	264	297507	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1535456	148.70	ng	0.02
7) Phenol-d6	6.41	99	1918928	144.22	ng	0.00
23) Nitrobenzene-d5	7.33	82	1166741	95.83	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	352015	111.56	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1846943	101.75	ng	0.00
79) Terphenyl-d14	12.90	244	1477544	73.07	ng	0.01

Target Compounds

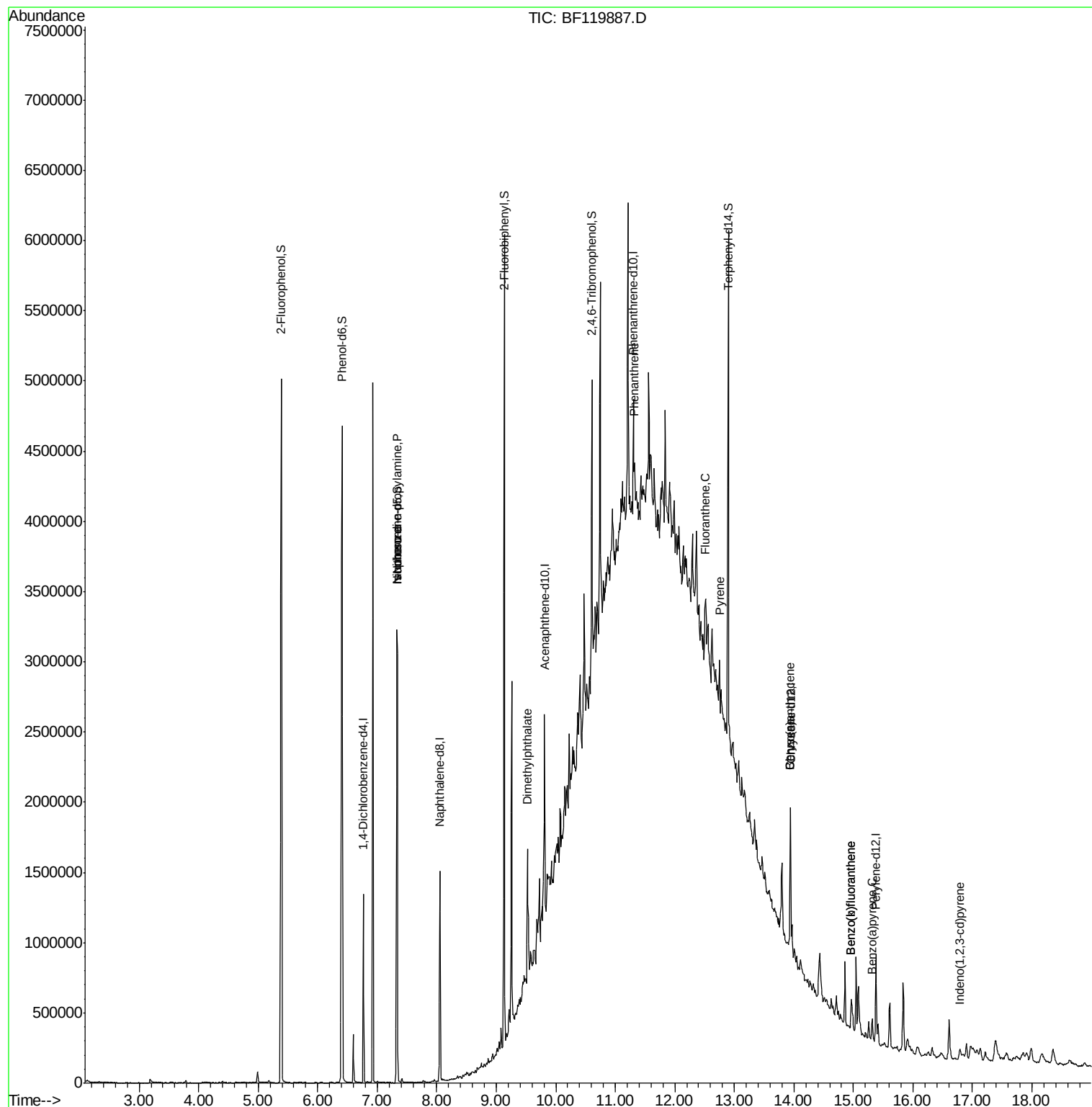
						Qvalue
9) Benzaldehyde	6.32	77	571	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.33	70	156076	18.241 ng	#	76
25) Isophorone	7.33	82	1160869	49.462 ng	#	65
50) Dimethylphthalate	9.53	163	284878	14.291 ng	#	99
71) Phenanthrene	11.33	178	58610	3.052 ng	#	57
75) Fluoranthene	12.52	202	151423	7.308 ng		92
78) Pyrene	12.75	202	141765	4.942 ng		97
81) Benzo(a)anthracene	13.93	228	85663	3.827 ng		97
83) Chrysene	13.93	228	85663	3.766 ng		95
86) Indeno(1,2,3-cd)pyrene	16.79	276	44405	2.215 ng		95
88) Benzo(b)fluoranthene	14.96	252	154887	7.237 ng	#	97
89) Benzo(k)fluoranthene	14.96	252	154887	8.388 ng	#	98
90) Benzo(a)pyrene	15.32	252	74469	4.138 ng	#	94

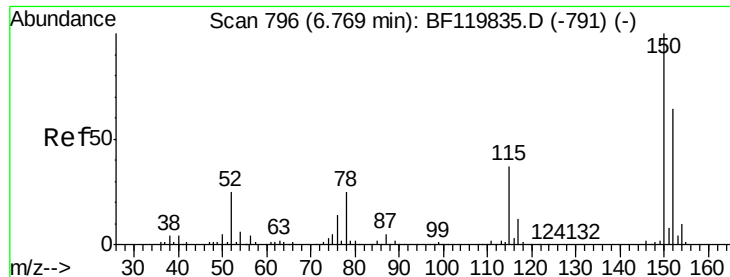
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
Data File : BF119887.D
Acq On : 9 Apr 2020 23:14
Operator : MA/SJ
Sample : L2153-06
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 10 01:33:34 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



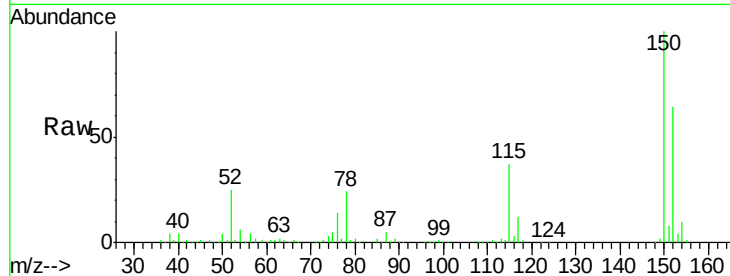


#1

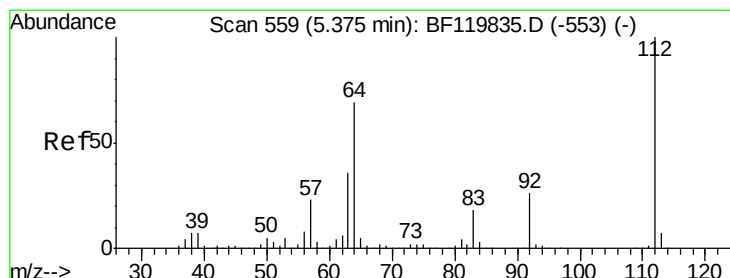
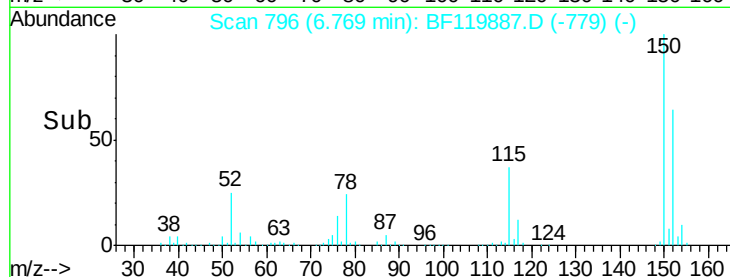
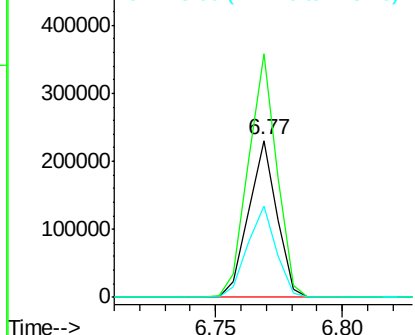
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 178452
Ion Ratio Lower Upper
152 100
150 155.5 124.8 187.2
115 58.2 46.5 69.7



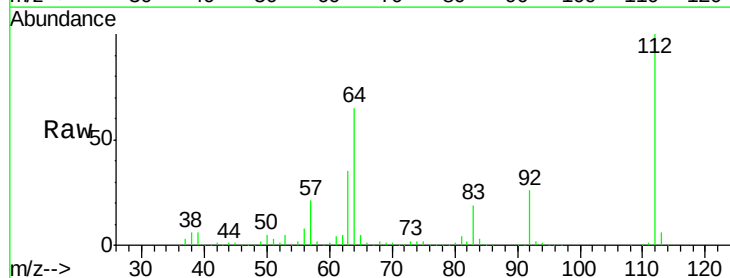
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



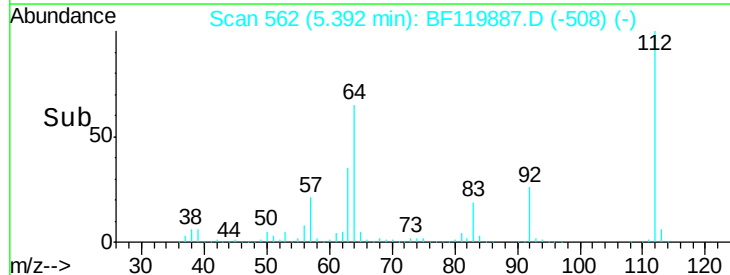
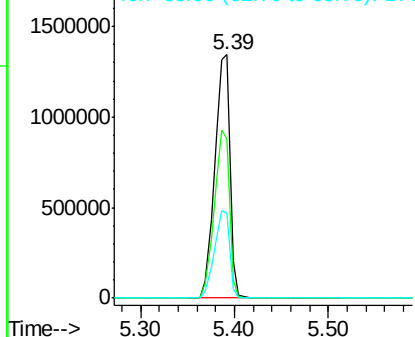
#5

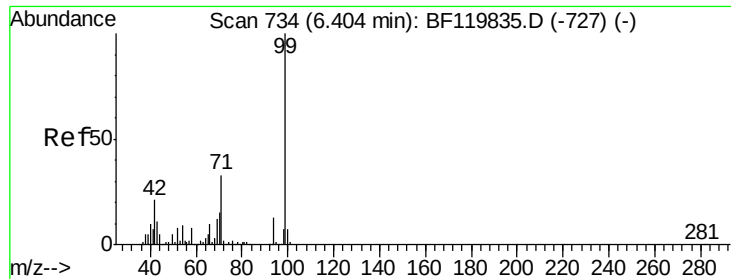
2-Fluorophenol
Concen: 148.698 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.02 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

Tgt Ion:112 Resp: 1535456
Ion Ratio Lower Upper
112 100
64 65.5 55.5 83.3
63 34.9 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: 144.220 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

Instrument :

BNA_F

ClientSampleId :

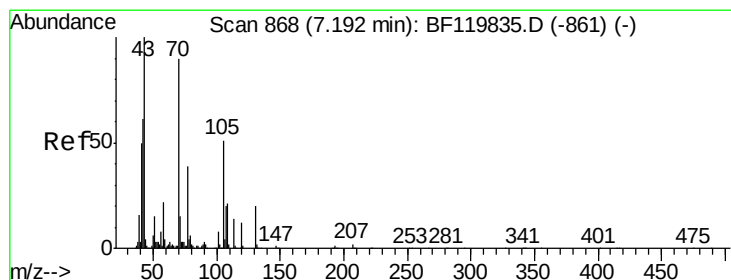
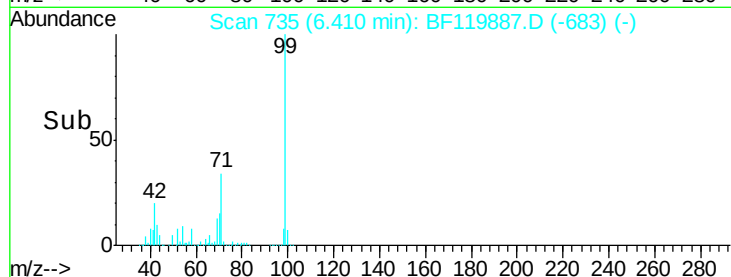
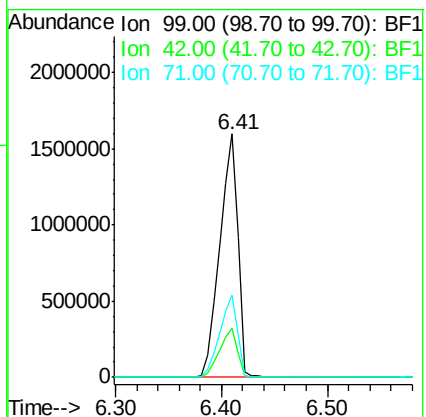
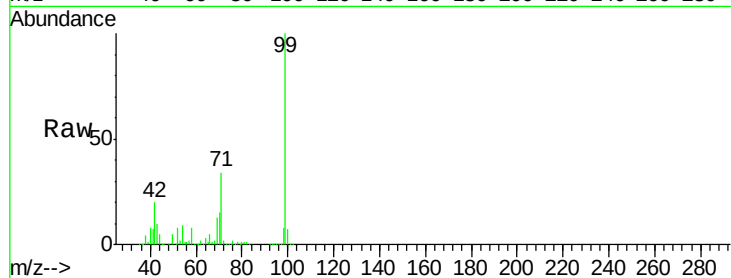
Tot Ion: 99 Resp: 1918928

Ion Ratio Lower Upper

99 100

42 20.2 16.9 25.3

71 34.1 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.241 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.14 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

Tgt Ion: 70 Resp: 156076

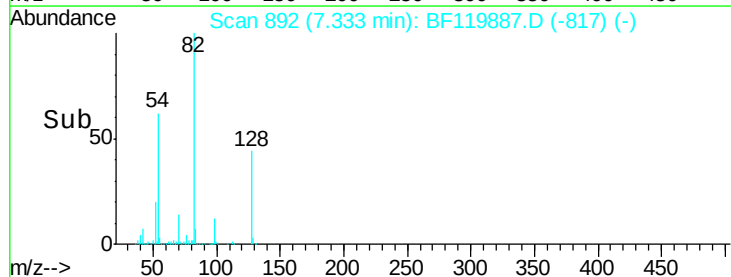
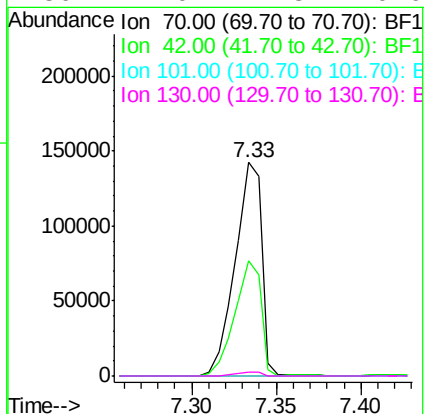
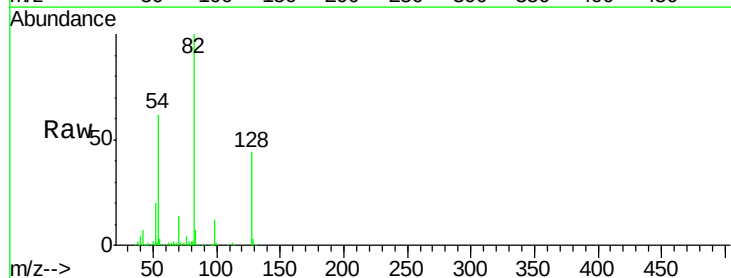
Ion Ratio Lower Upper

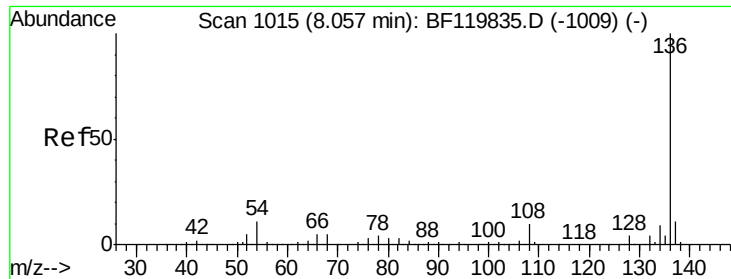
70 100

42 53.9 54.2 81.4#

101 0.0 7.4 11.2#

130 2.0 17.8 26.6#

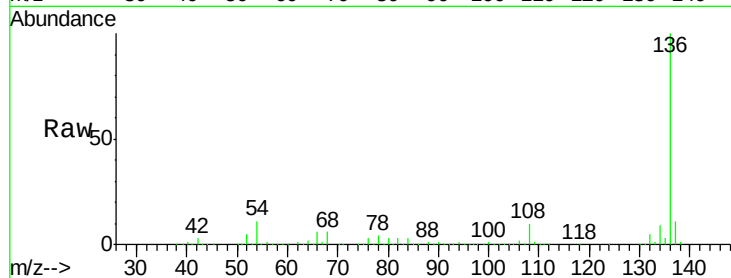




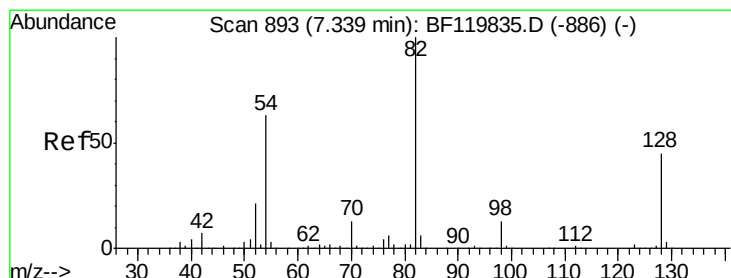
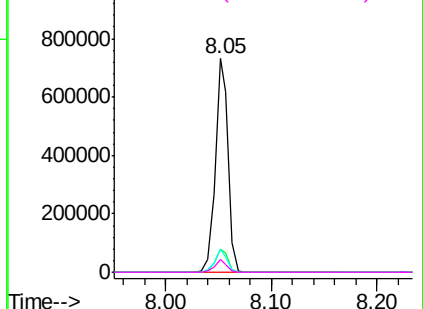
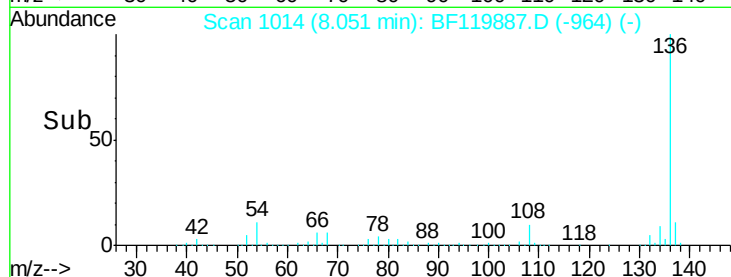
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 629862
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 10.9 8.5 12.7
68 5.7 3.9 5.9

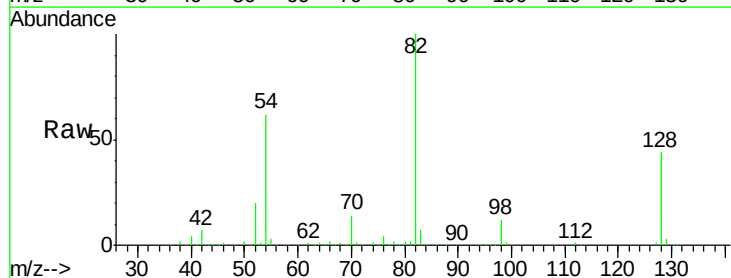


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

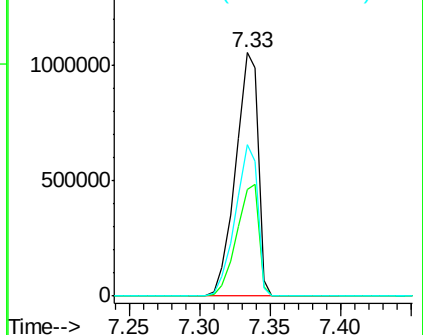
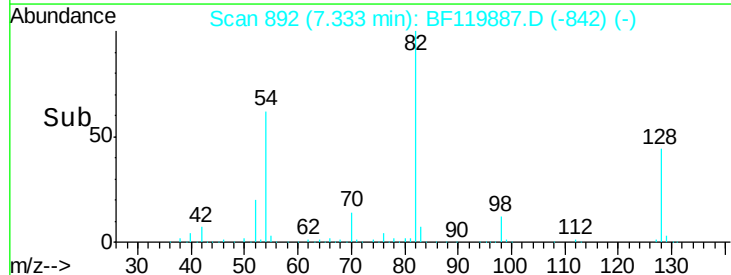


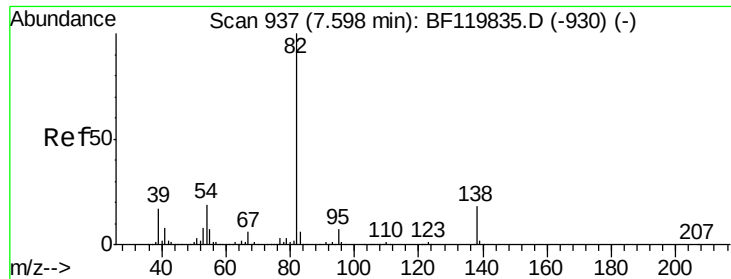
#23
Nitrobenzene-d5
Concen: 95.830 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

Tgt Ion: 82 Resp: 1166741
Ion Ratio Lower Upper
82 100
128 43.7 36.2 54.4
54 62.0 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: 49.462 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

Instrument :

BNA_F

ClientSampleId :

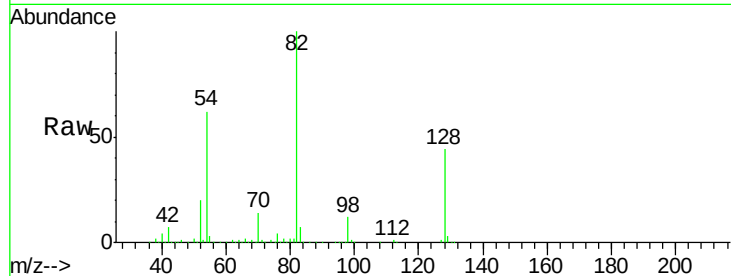
Tot Ion: 82 Resp: 1160869

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

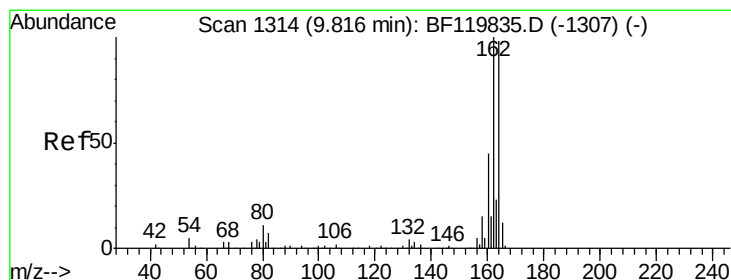
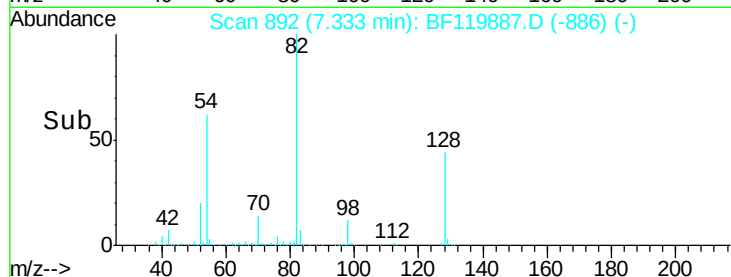
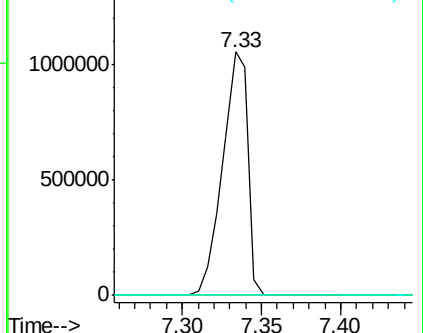
138 0.0 14.5 21.7#



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: BF119887.D

Acq: 9 Apr 2020 23:14

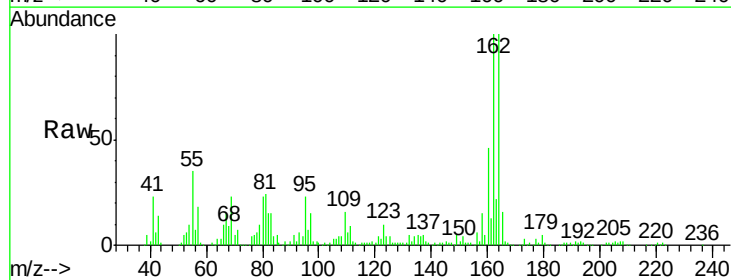
Tgt Ion:164 Resp: 257715

Ion Ratio Lower Upper

164 100

162 99.7 81.9 122.9

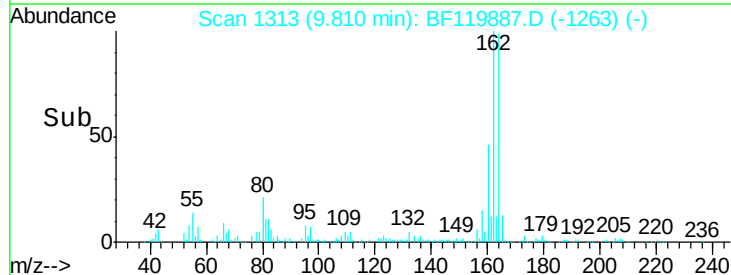
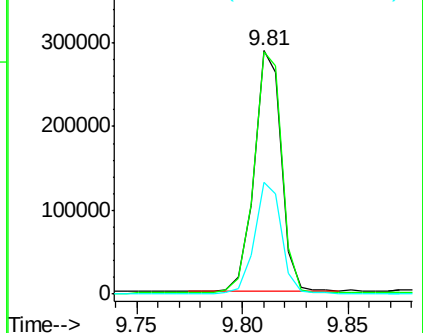
160 45.7 36.6 54.8

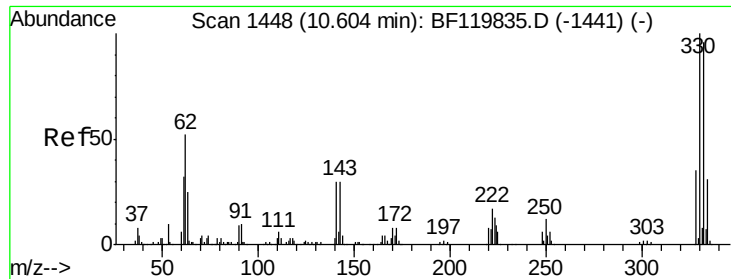


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 111.563 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

Instrument :

BNA_F

ClientSampleId :

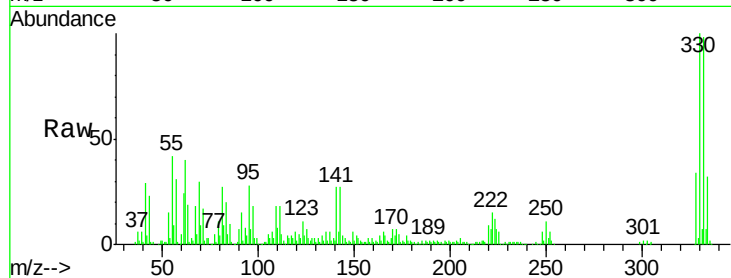
Tot Ion:330 Resp: 352015

Ion Ratio Lower Upper

330 100

332 96.4 76.8 115.2

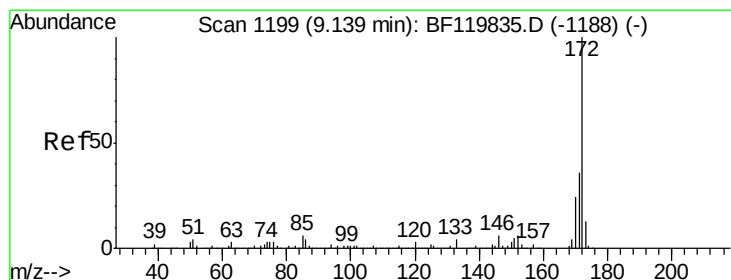
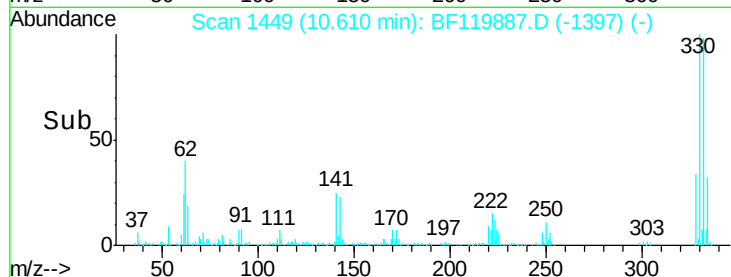
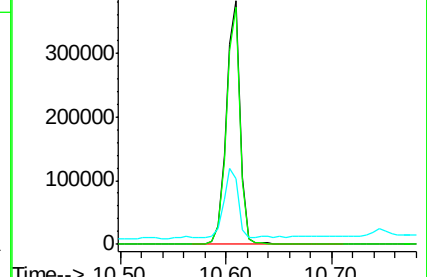
141 29.5 25.1 37.7



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: 101.750 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

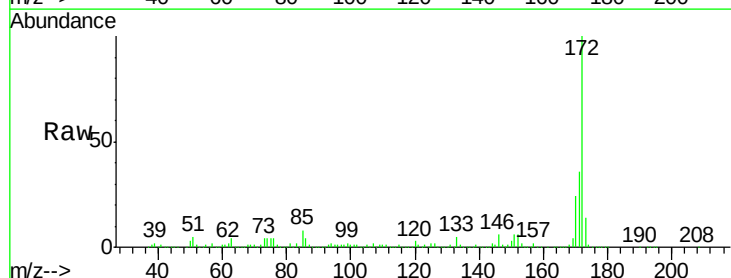
Tgt Ion:172 Resp: 1846943

Ion Ratio Lower Upper

172 100

171 35.6 28.9 43.3

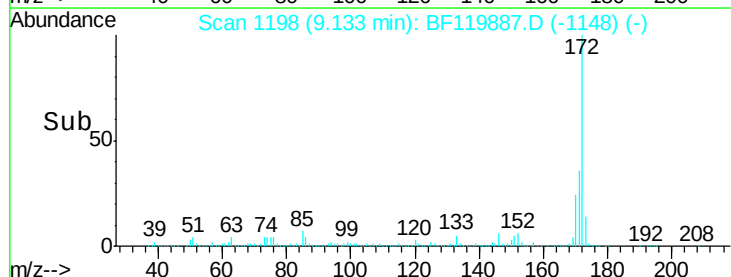
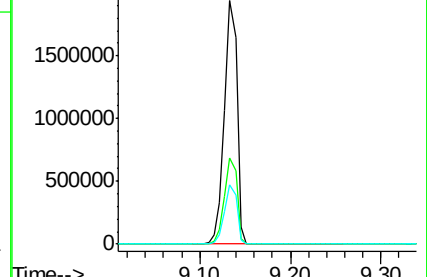
170 24.4 19.4 29.2

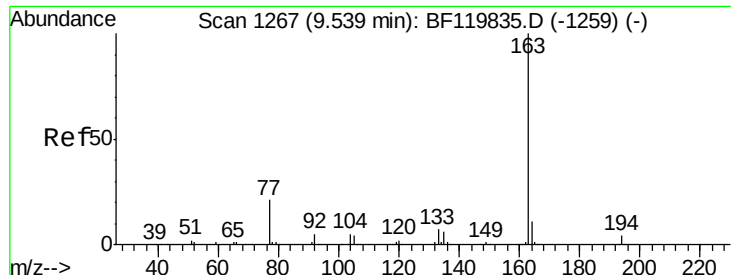


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

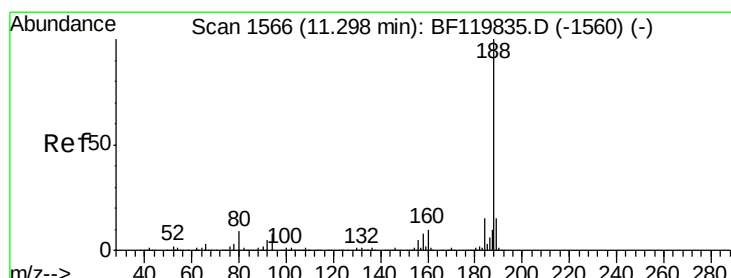
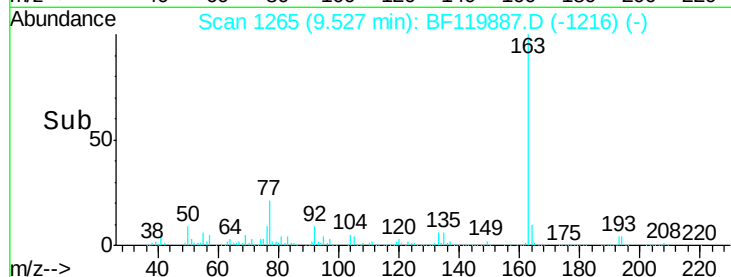
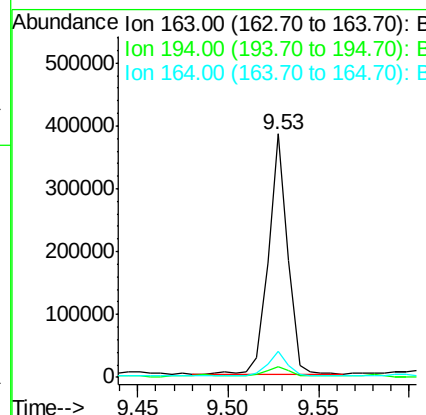
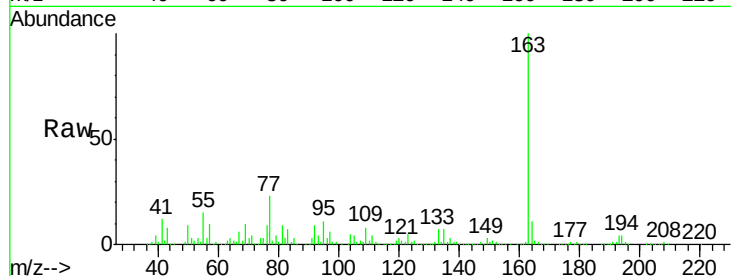




#50
Dimethylphthalate
Concen: 14.291 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

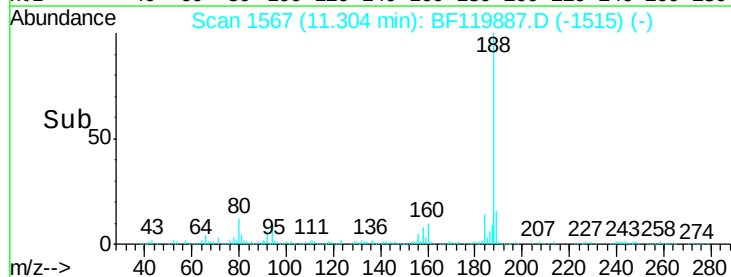
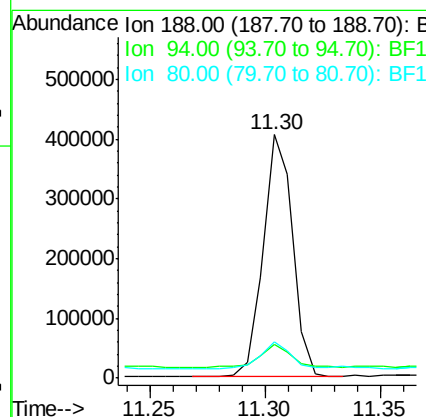
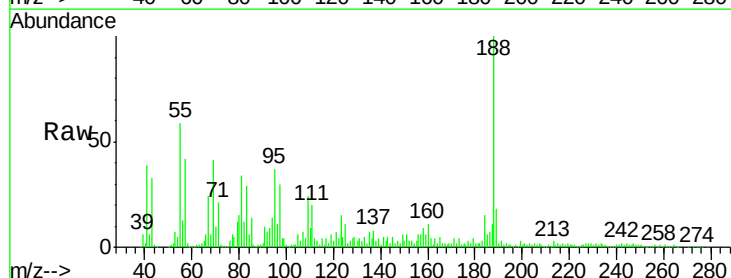
Instrument :
BNA_F
ClientSampled :

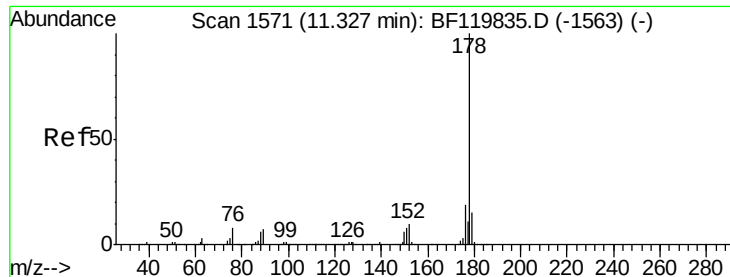
Tot Ion:163 Resp: 284878
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.4#
164 10.6 8.4 12.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

Tgt Ion:188 Resp: 360847
Ion Ratio Lower Upper
188 100
94 14.1 6.7 10.1#
80 15.1 7.4 11.2#





#71

Phenanthrene

Concen: 3.052 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

Instrument :

BNA_F

ClientSampleId :

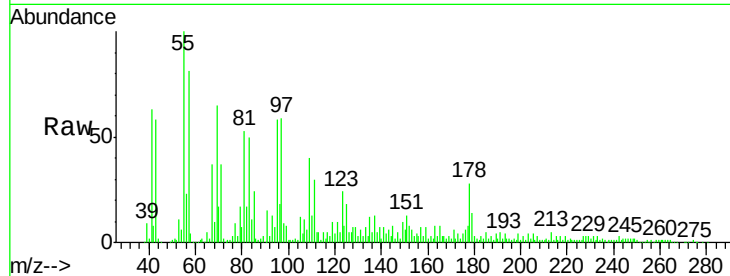
Tot Ion:178 Resp: 58610

Ion Ratio Lower Upper

178 100

176 23.0 15.1 22.7#

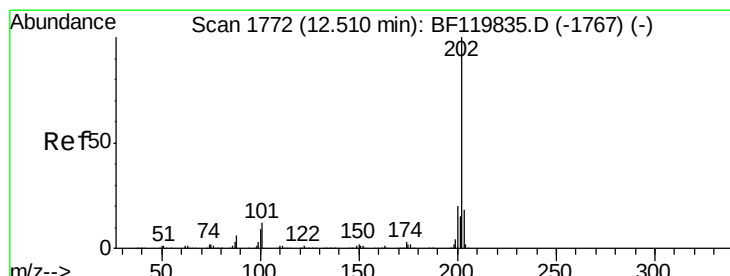
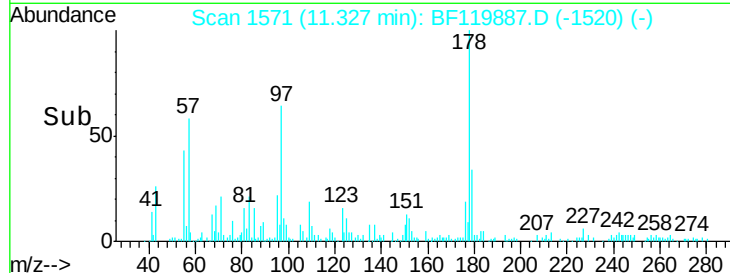
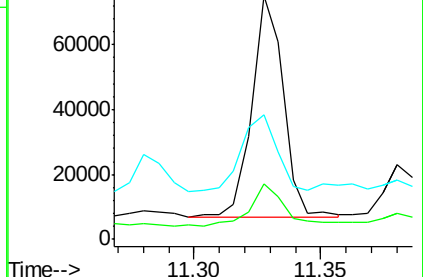
179 51.2 12.2 18.4#



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: 7.308 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

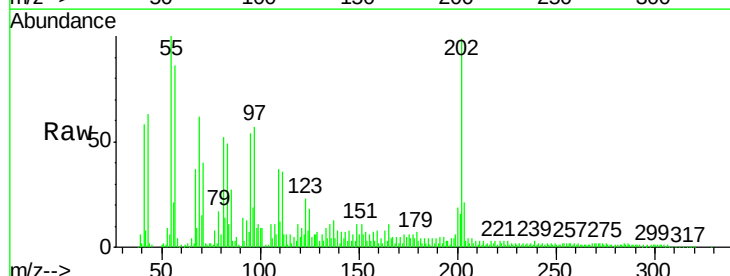
Tgt Ion:202 Resp: 151423

Ion Ratio Lower Upper

202 100

101 8.8 0.0 32.3

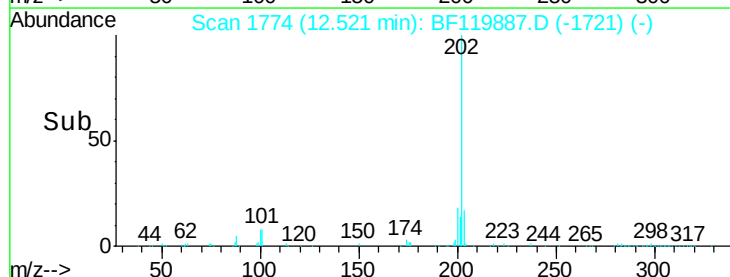
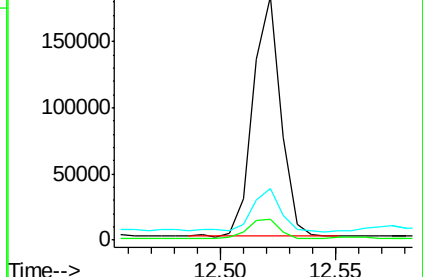
203 21.0 0.0 37.6

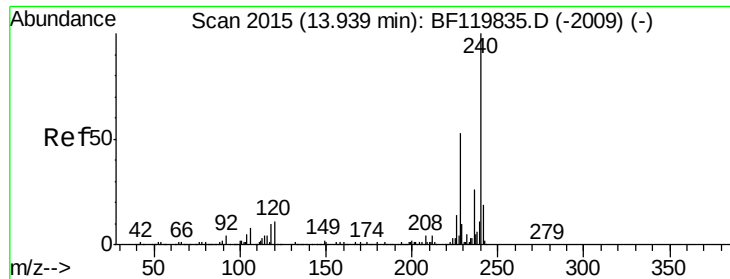


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

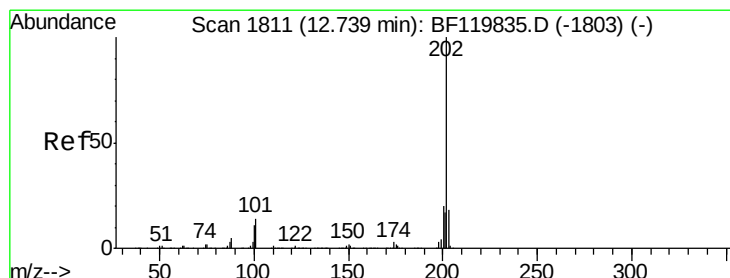
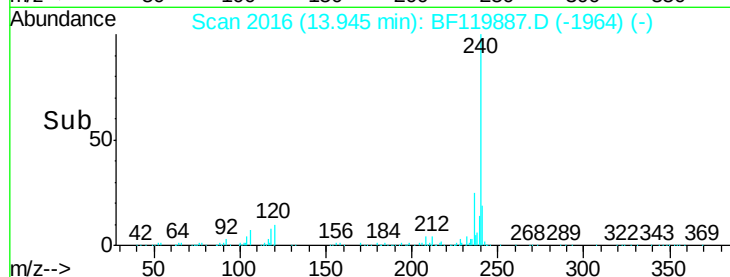
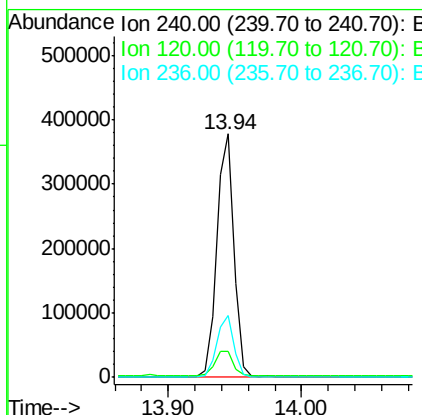
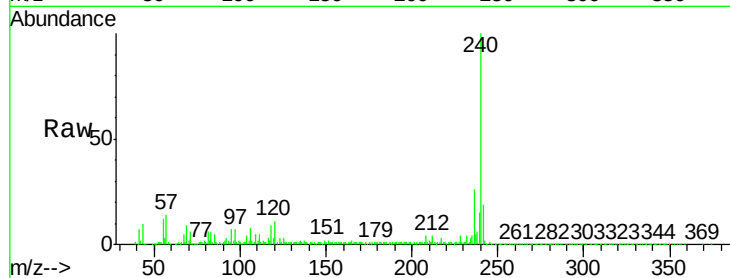




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF119887.D
 Acq: 9 Apr 2020 23:14

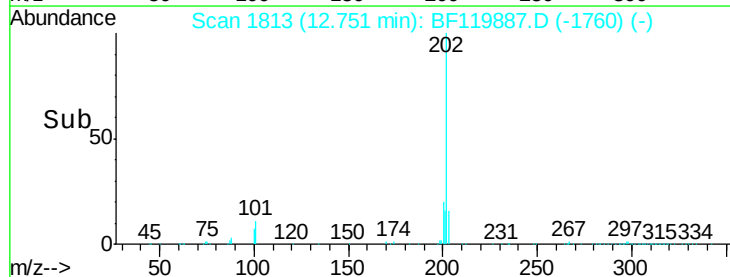
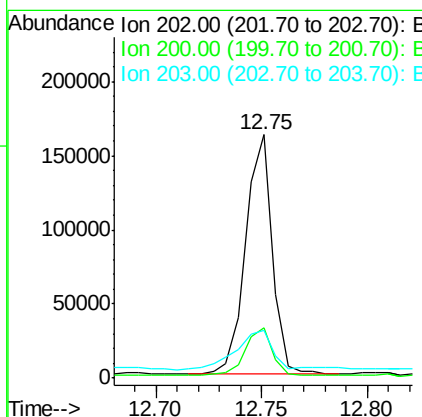
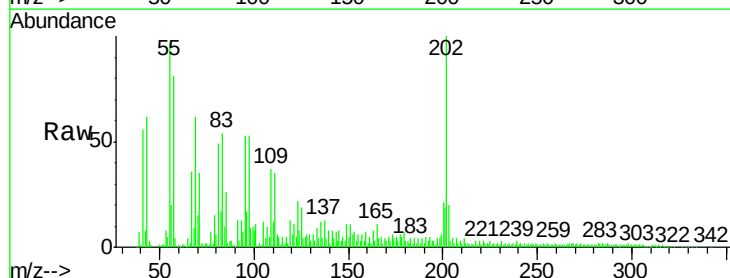
Instrument :
 BNA_F
 ClientSampleId :

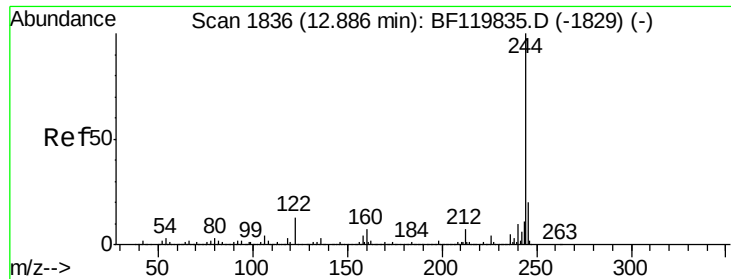
Tot Ion:240 Resp: 340271
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.0 13.6
 236 25.5 20.7 31.1



#78
 Pyrene
 Concen: 4.942 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: BF119887.D
 Acq: 9 Apr 2020 23:14

Tgt Ion:202 Resp: 141765
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.2 24.2
 203 19.8 14.1 21.1





#79

Terphenyl-d14

Concen: 73.065 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

Instrument :

BNA_F

ClientSampleId :

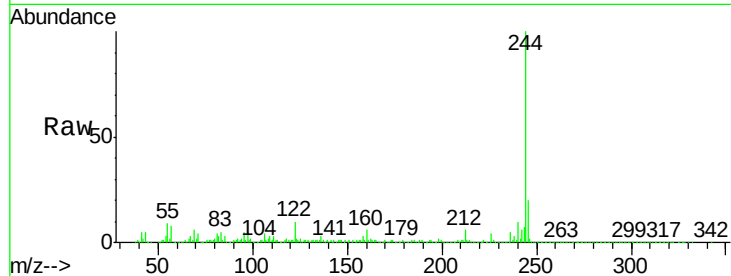
Tot Ion:244 Resp: 1477544

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

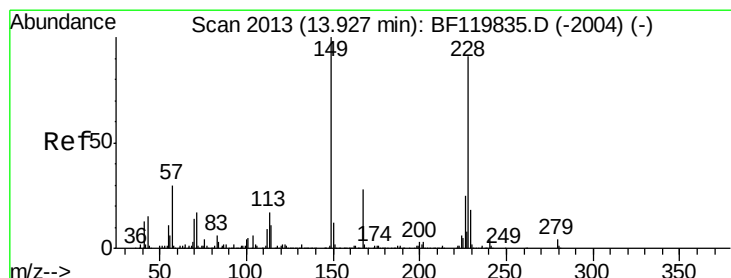
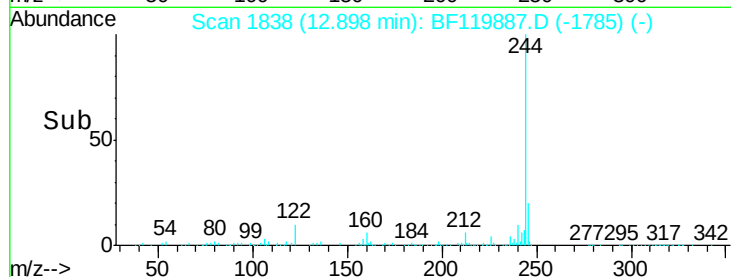
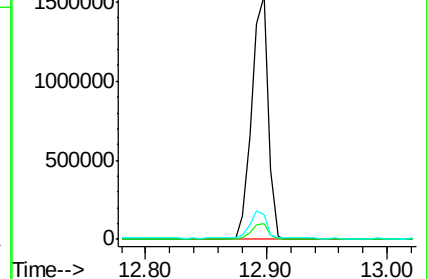
122 10.4 10.3 15.5



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: 3.827 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.01 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

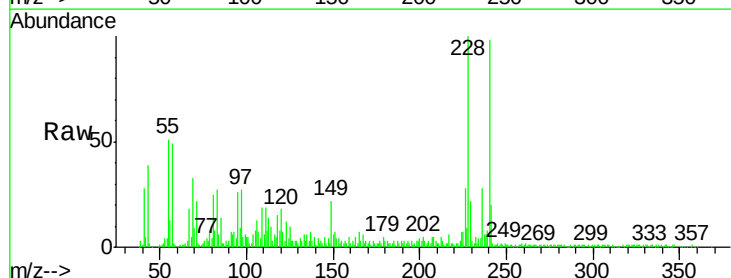
Tgt Ion:228 Resp: 85663

Ion Ratio Lower Upper

228 100

226 27.6 21.9 32.9

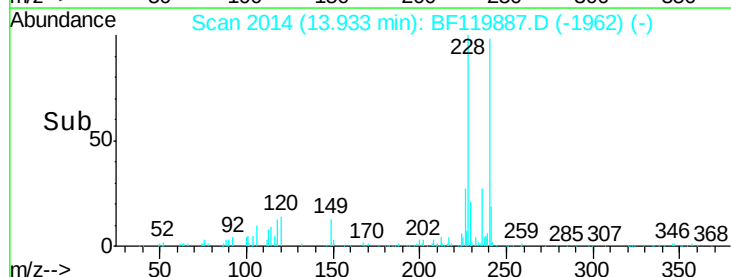
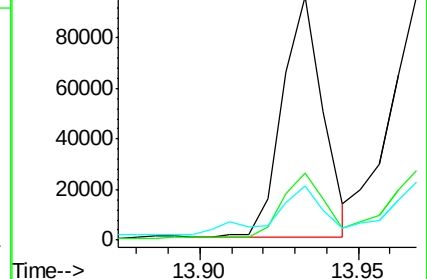
229 22.4 15.9 23.9

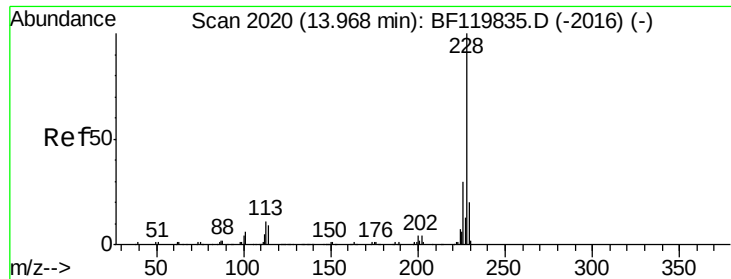


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

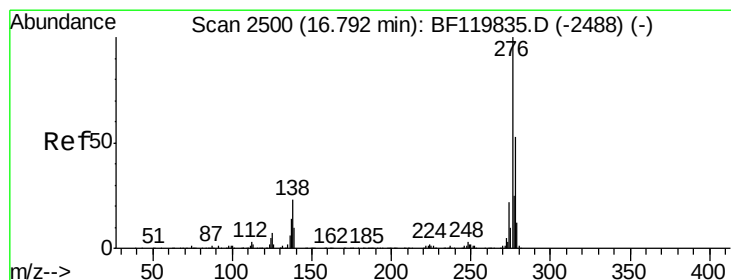
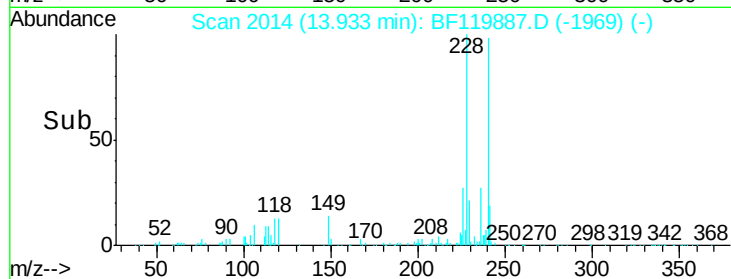
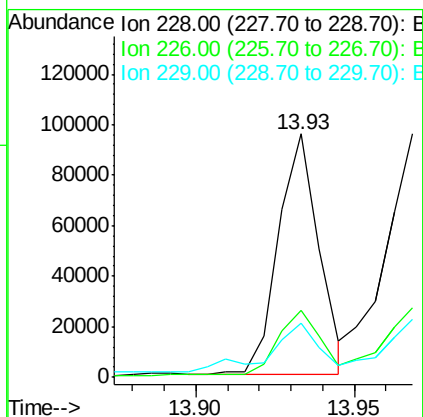
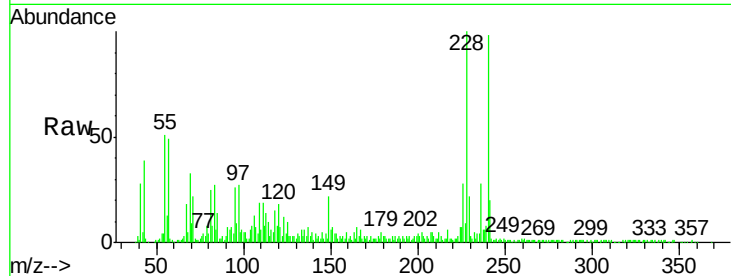




#83
Chrysene
Concen: 3.766 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.04 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

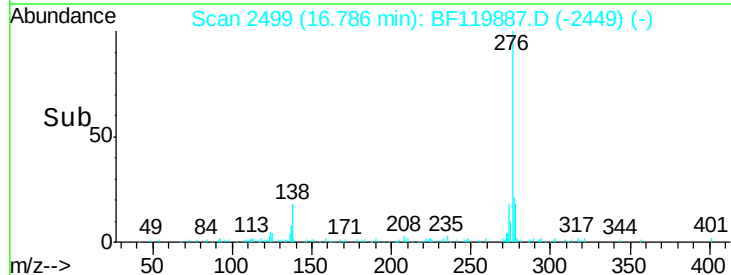
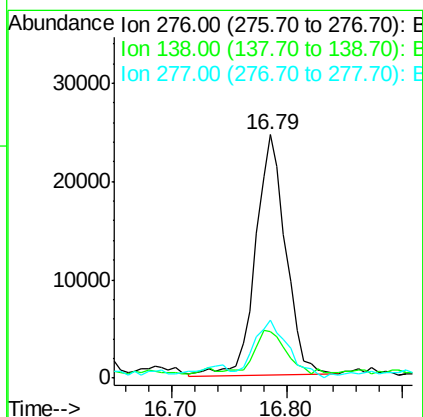
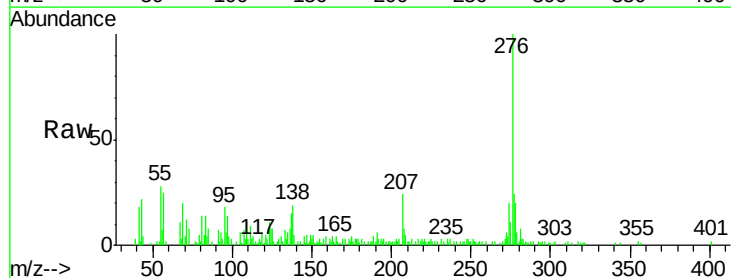
Instrument :
BNA_F
ClientSampleId :

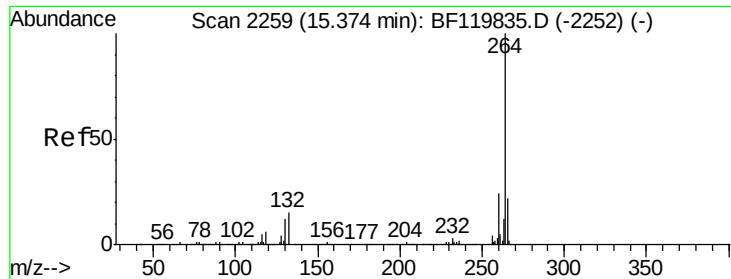
Tot Ion:228 Resp: 85663
Ion Ratio Lower Upper
228 100
226 27.6 24.2 36.2
229 22.4 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.215 ng
RT: 16.79 min Scan# 2499
Delta R.T. -0.01 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

Tgt Ion:276 Resp: 44405
Ion Ratio Lower Upper
276 100
138 19.1 18.0 27.0
277 27.2 20.1 30.1

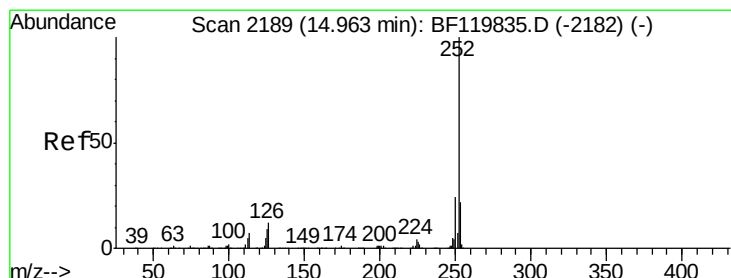
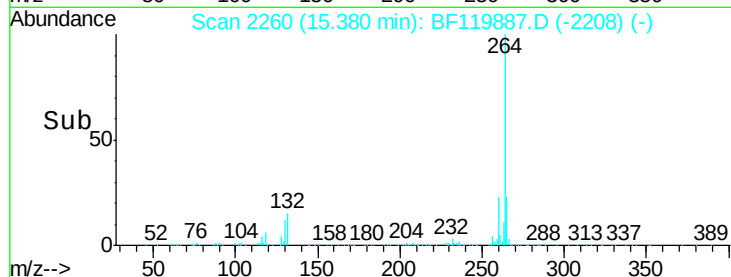
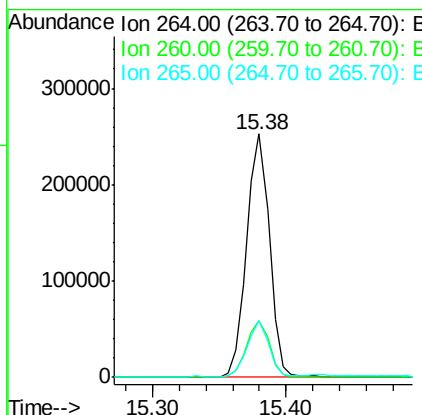
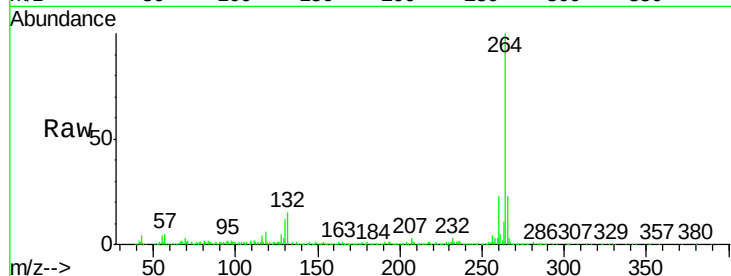




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

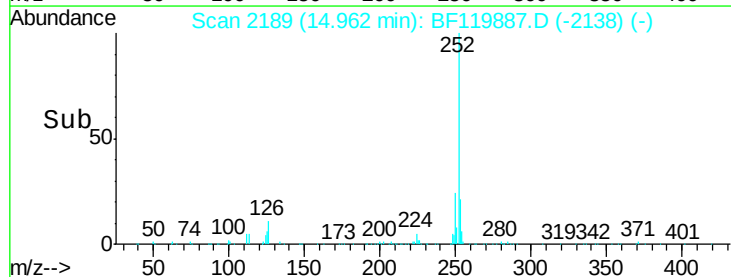
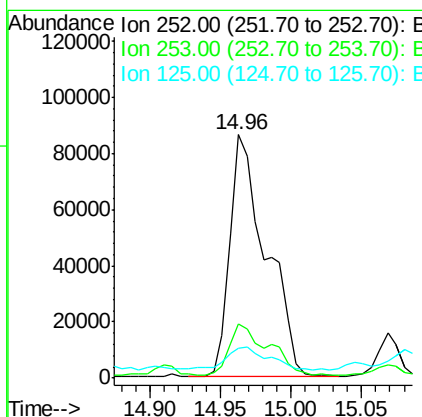
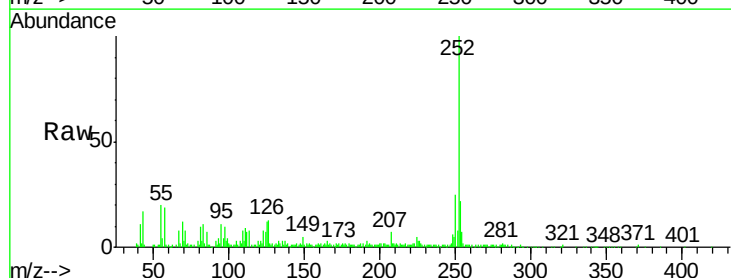
Instrument :
BNA_F
ClientSampleId :

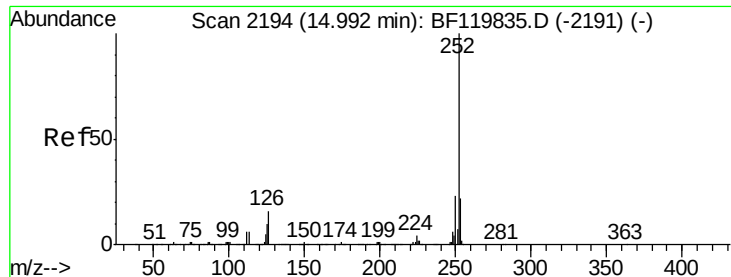
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	23.3	17.6	26.4



#88
Benzo(b)fluoranthene
Concen: 7.237 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF119887.D
Acq: 9 Apr 2020 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	12.4	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 8.388 ng

RT: 14.96 min Scan# 2189

Delta R.T. -0.03 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

Instrument :

BNA_F

ClientSampled :

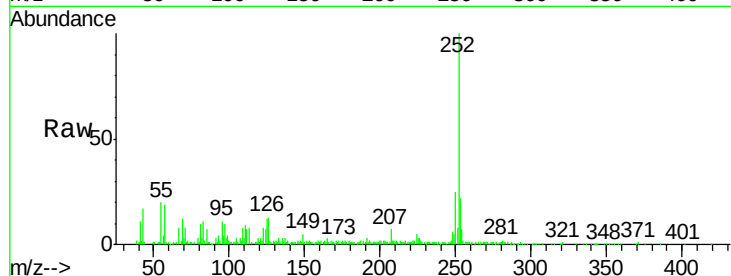
Tot Ion:252 Resp: 154887

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

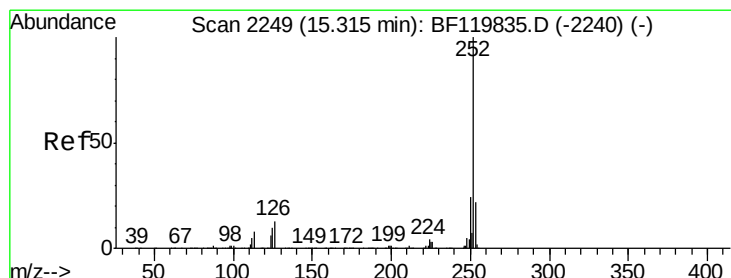
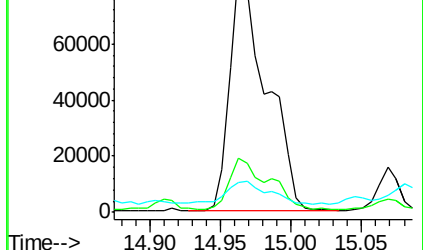
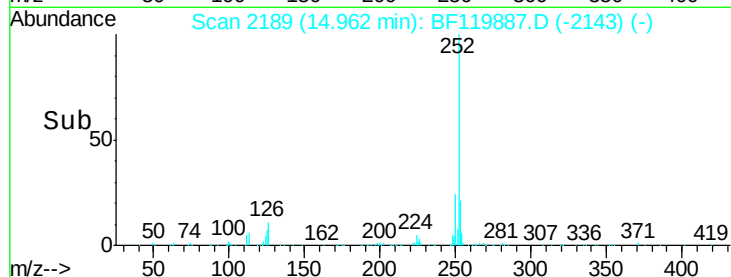
125 12.4 7.7 11.5#



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



#90

Benzo(a)pyrene

Concen: 4.138 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.00 min

Lab File: BF119887.D

Acq: 9 Apr 2020 23:14

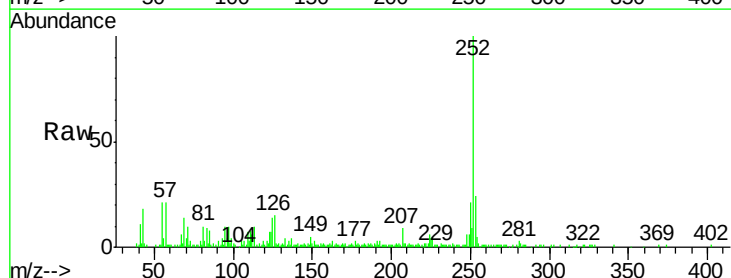
Tgt Ion:252 Resp: 74469

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 13.8 8.3 12.5#



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

