

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
 Data File : BF119908.D
 Acq On : 10 Apr 2020 21:21
 Operator : MA/SJ
 Sample : L2205-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:27:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 13:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	175867	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	618002	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	265638	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	438127	20.00	ng	0.00
76) Chrysene-d12	13.93	240	342019	20.00	ng	0.00
87) Perylene-d12	15.37	264	276100	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	821262	80.70	ng	0.00
7) Phenol-d6	6.39	99	1002778	76.47	ng	0.00
23) Nitrobenzene-d5	7.32	82	605952	50.72	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	196081	60.29	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1000820	53.49	ng	0.00
79) Terphenyl-d14	12.87	244	880478	43.32	ng	0.00

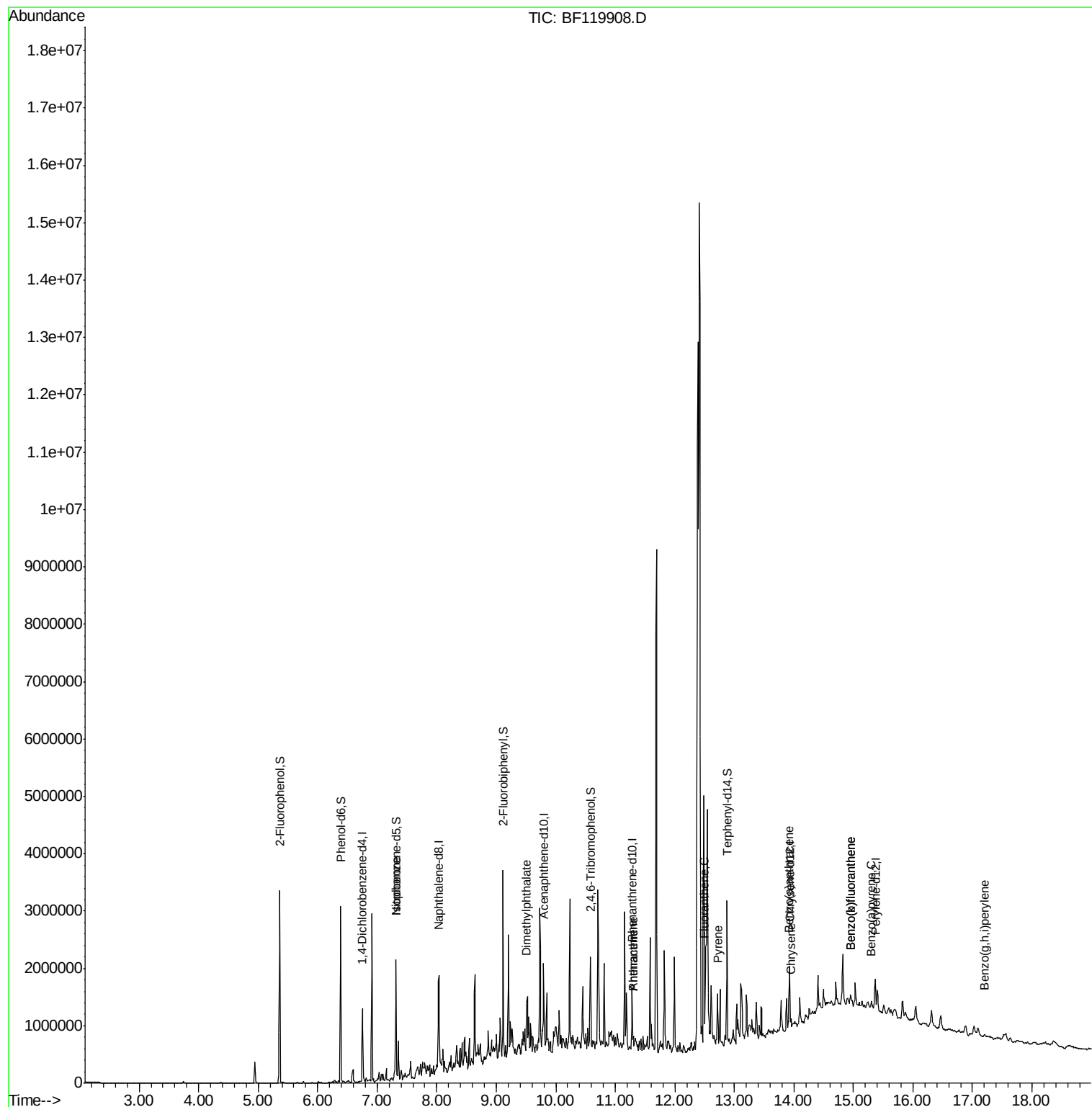
Target Compounds				Qvalue		
9) Benzaldehyde	6.31	77	939	Below Cal	#	1
25) Isophorone	7.32	82	599845	26.048	ng	# 65
50) Dimethylphthalate	9.51	163	154494	7.519	ng	# 99
71) Phenanthrene	11.30	178	67763	2.906	ng	# 96
72) Anthracene	11.30	178	67763	2.845	ng	# 96
75) Fluoranthene	12.50	202	129889	5.163	ng	# 97
78) Pyrene	12.73	202	145345	5.041	ng	# 99
81) Benzo(a)anthracene	13.92	228	72333	3.215	ng	# 92
83) Chrysene	13.95	228	63903	2.795	ng	# 91
88) Benzo(b)fluoranthene	14.95	252	95766	4.822	ng	# 70
89) Benzo(k)fluoranthene	14.95	252	95766	5.588	ng	# 70
90) Benzo(a)pyrene	15.30	252	51123	3.061	ng	# 65
92) Benzo(a,h,i)perylene	17.20	276	30392	2.081	ng	# 77

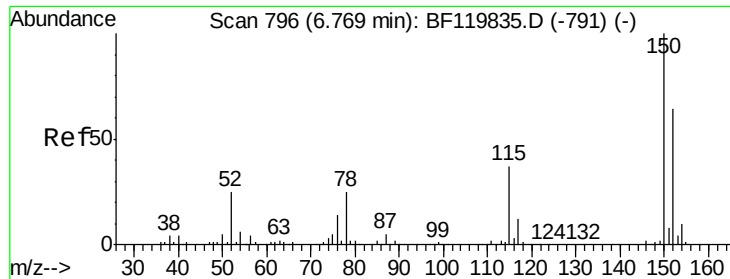
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119908.D
Acq On : 10 Apr 2020 21:21
Operator : MA/SJ
Sample : L2205-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 11 01:27:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 10 13:48:19 2020
Response via : Initial Calibration



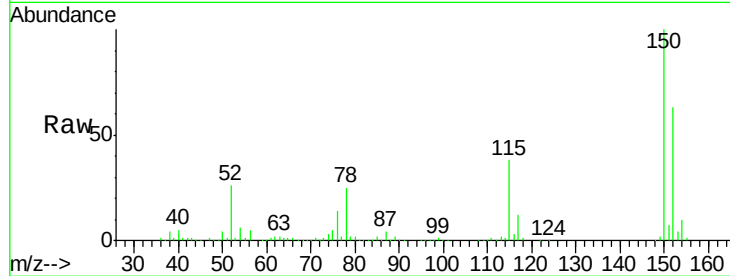


#1

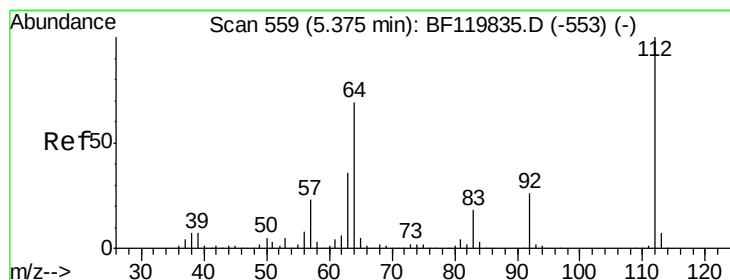
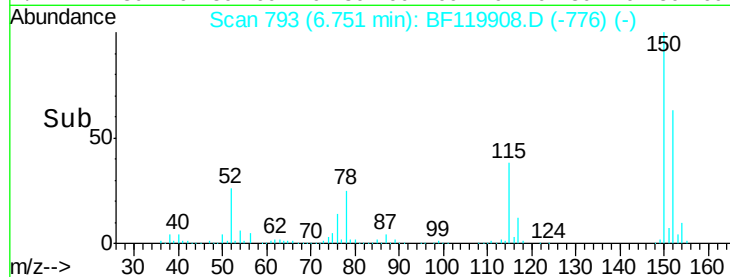
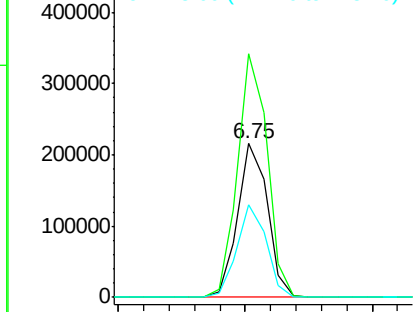
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 175867
Ion Ratio Lower Upper
152 100
150 158.1 124.8 187.2
115 59.8 46.5 69.7



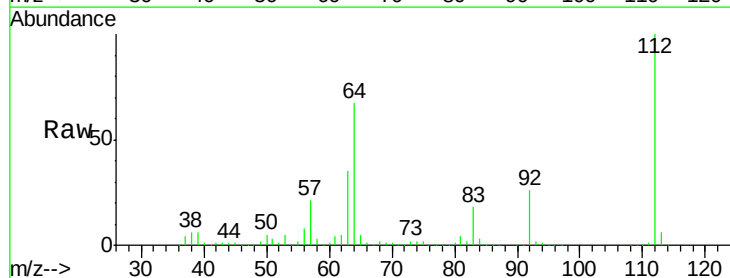
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



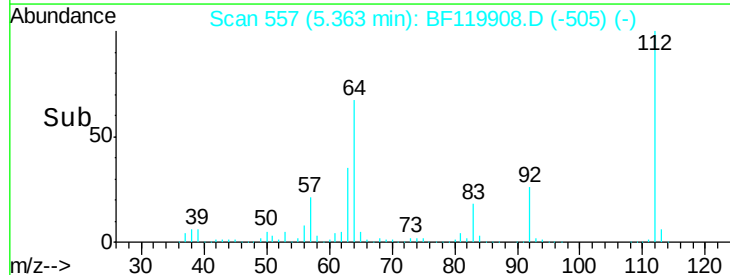
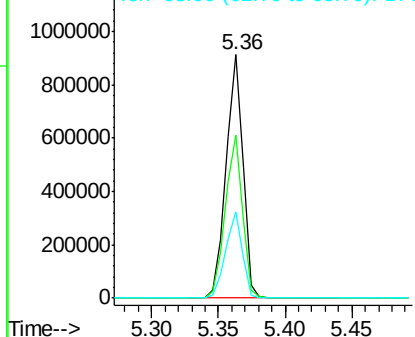
#5

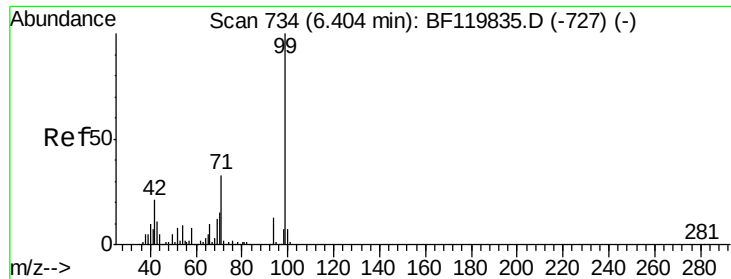
2-Fluorophenol
Concen: 80.703 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Tgt Ion:112 Resp: 821262
Ion Ratio Lower Upper
112 100
64 67.1 55.5 83.3
63 35.4 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: 76.473 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

Instrument :

BNA_F

ClientSampled :

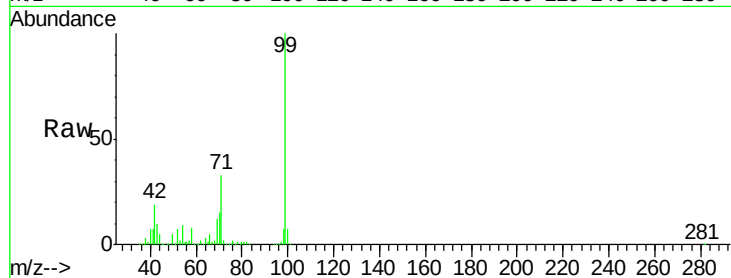
Tot Ion: 99 Resp: 1002778

Ion Ratio Lower Upper

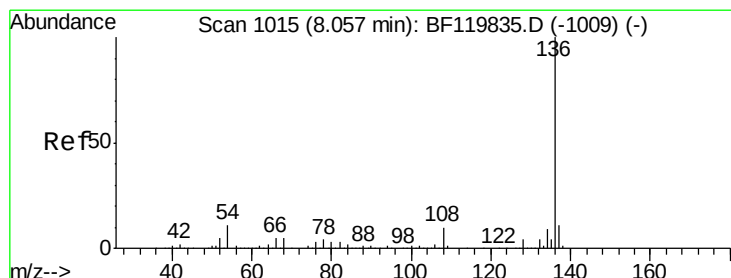
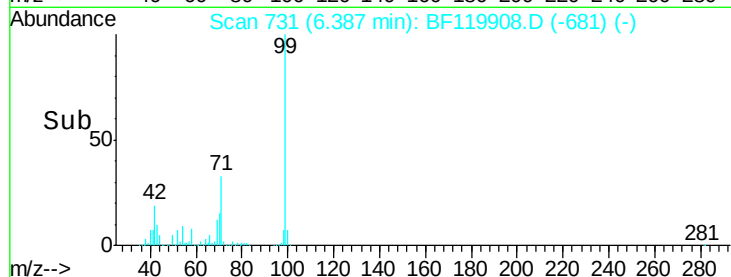
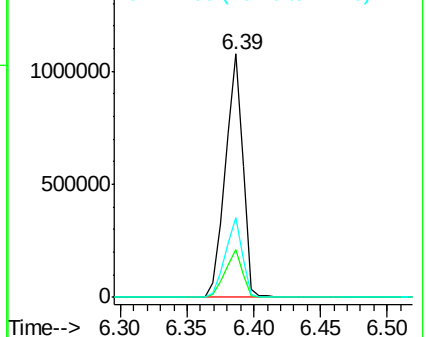
99 100

42 19.4 16.9 25.3

71 33.0 26.3 39.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

Tgt Ion: 136 Resp: 618002

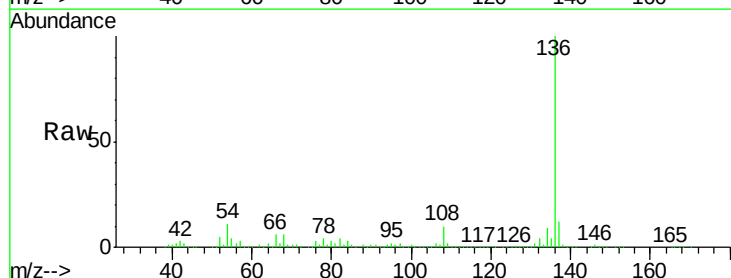
Ion Ratio Lower Upper

136 100

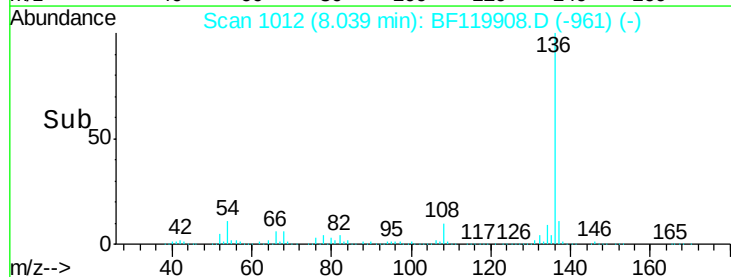
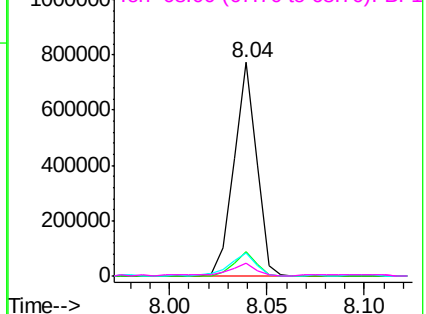
137 11.5 8.7 13.1

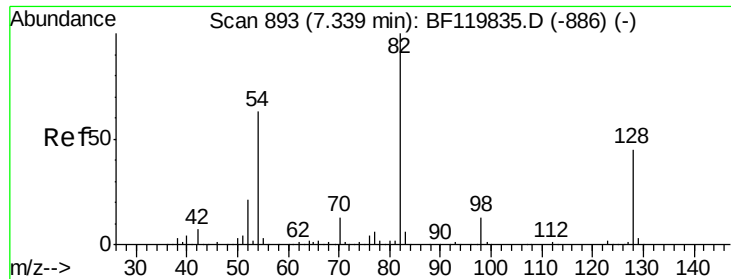
54 10.6 8.5 12.7

68 6.1 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

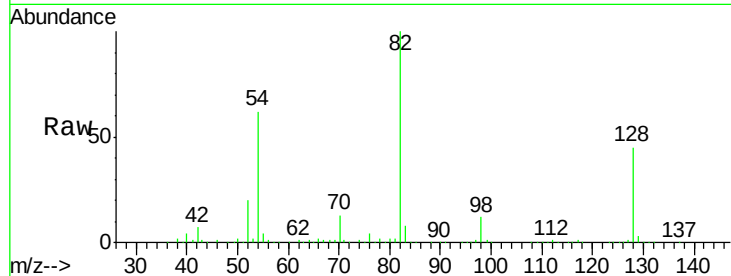




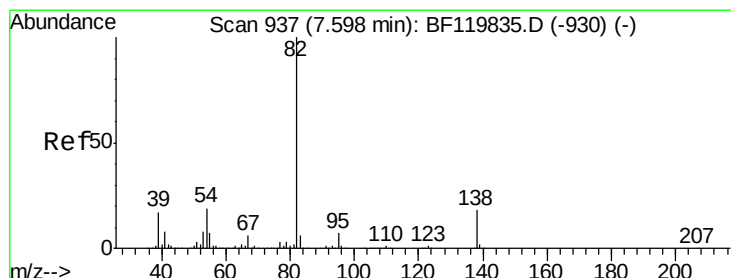
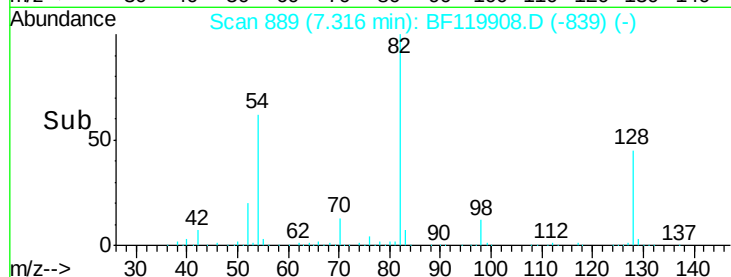
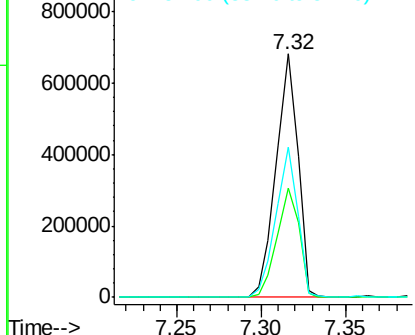
#23
Nitrobenzene-d5
Concen: 50.725 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	605952
Ion Ratio	Lower	Upper	
82	100		
128	44.7	36.2	54.4
54	61.7	50.4	75.6

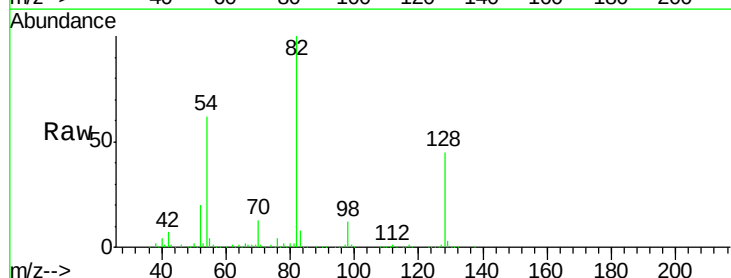


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

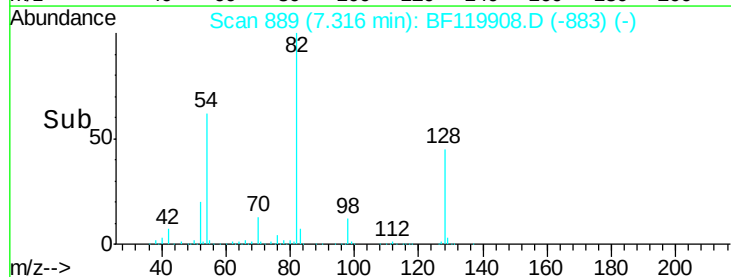
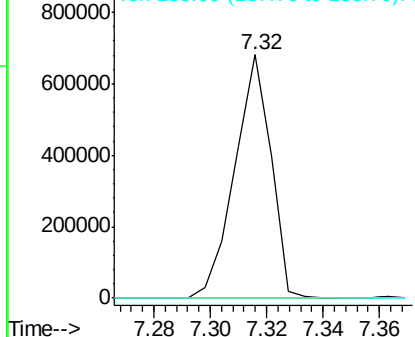


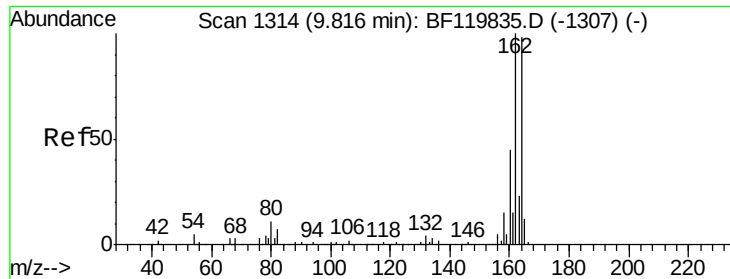
#25
Isophorone
Concen: 26.048 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.26 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Tgt Ion	82	Resp	599845
Ion Ratio	Lower	Upper	
82	100		
95	0.4	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

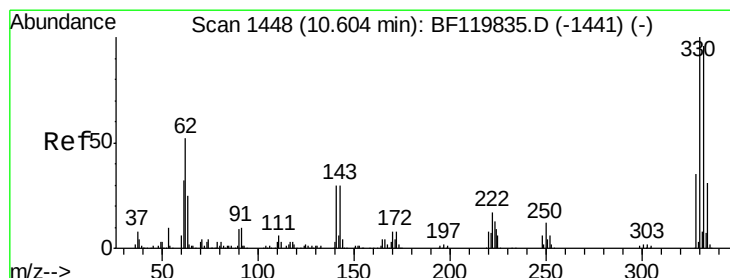
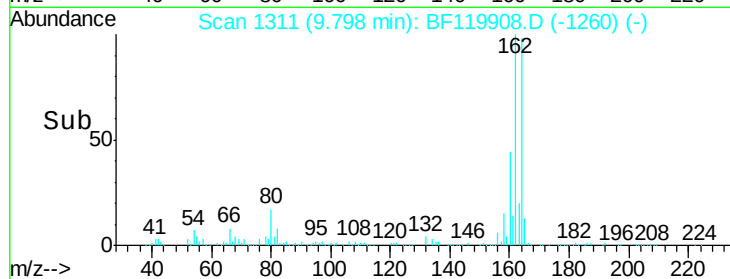
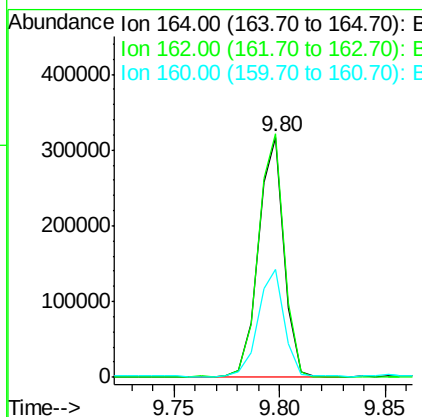
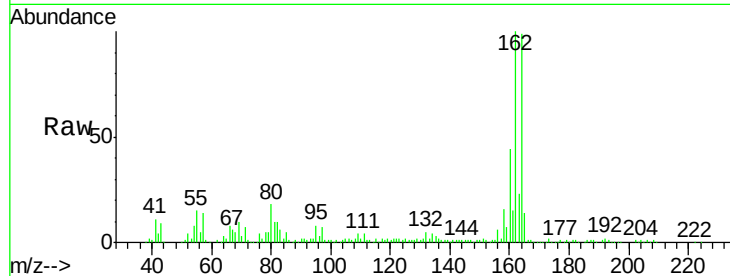




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: BF119908.D
 Acq: 10 Apr 2020 21:21

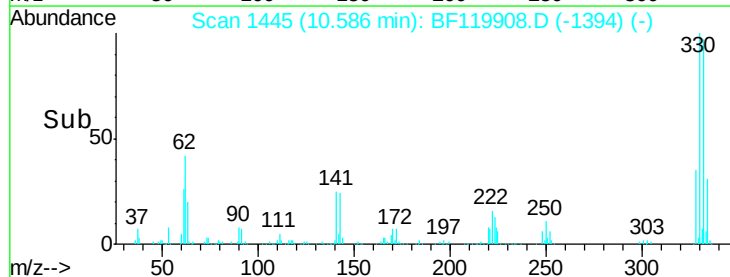
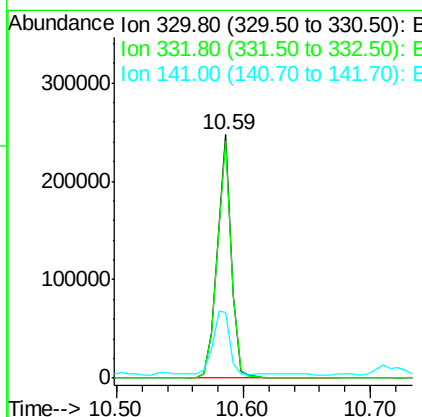
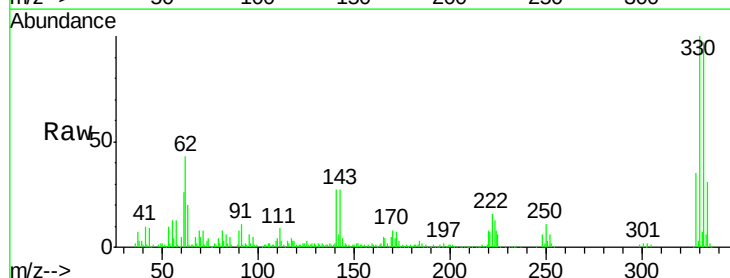
Instrument :
 BNA_F
 ClientSampleId :

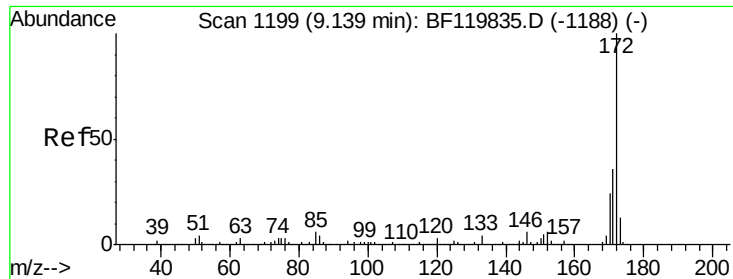
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.9	122.9
160	45.1	36.6	54.8



#42
 2,4,6-Tribromophenol
 Concen: 60.290 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: BF119908.D
 Acq: 10 Apr 2020 21:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.8	115.2
141	30.4	25.1	37.7

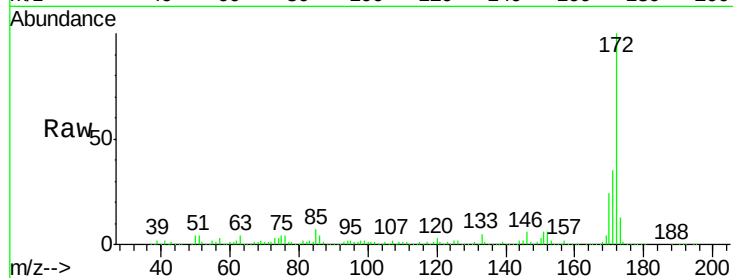




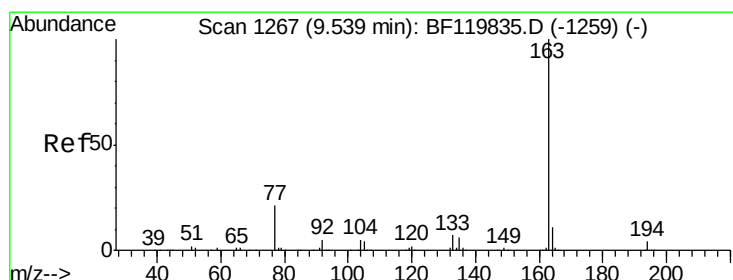
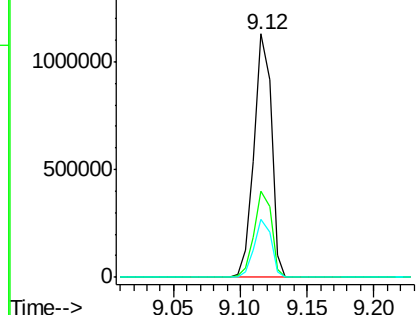
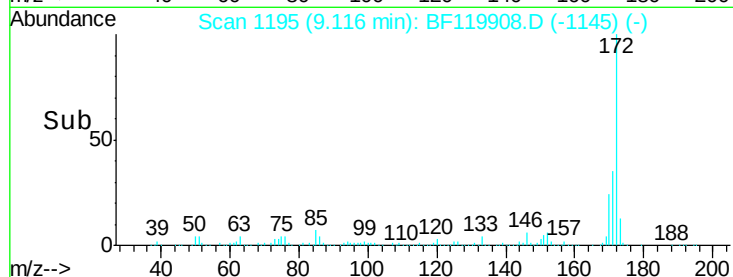
#45
2-Fluorobiphenyl
Concen: 53.492 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1000820
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 23.8 19.4 29.2

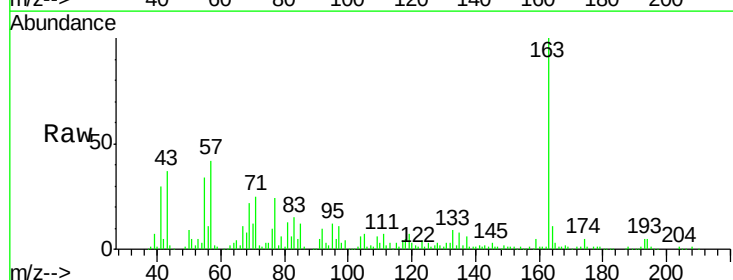


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

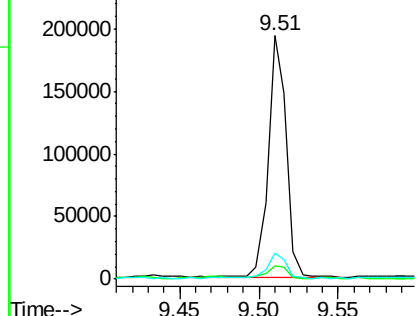
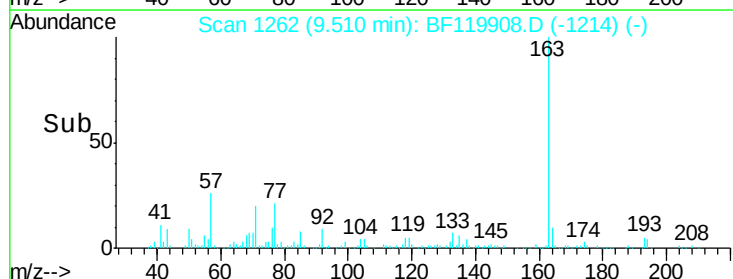


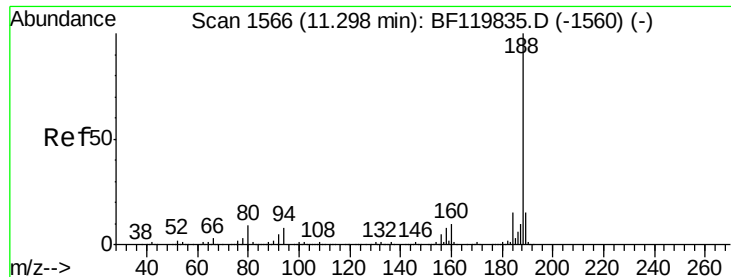
#50
Dimethylphthalate
Concen: 7.519 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Tgt Ion:163 Resp: 154494
Ion Ratio Lower Upper
163 100
194 5.5 3.0 4.4#
164 10.6 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

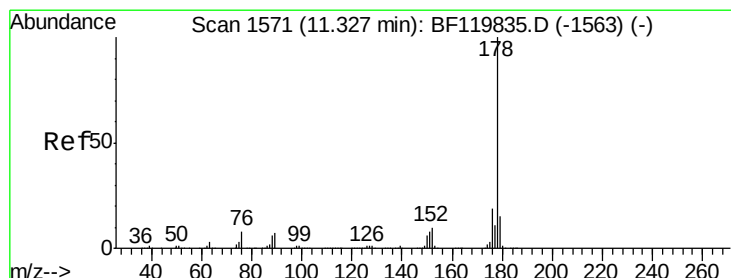
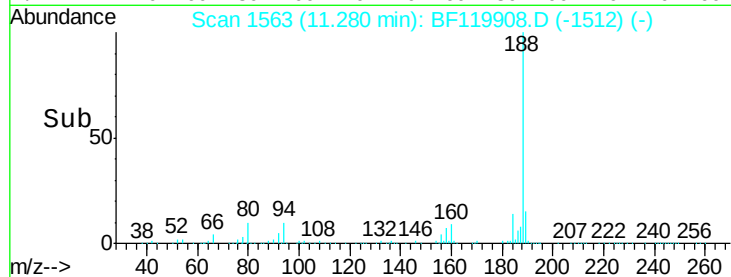
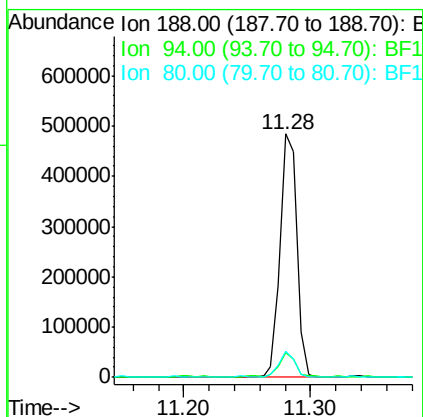
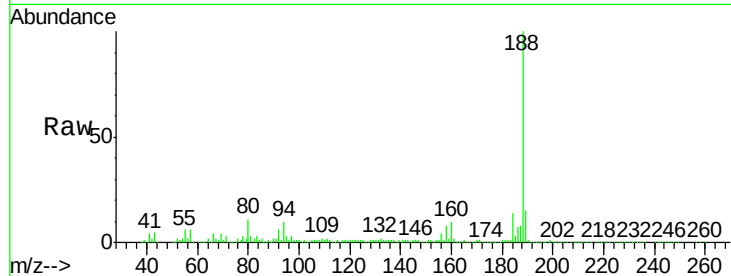




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF119908.D
 Acq: 10 Apr 2020 21:21

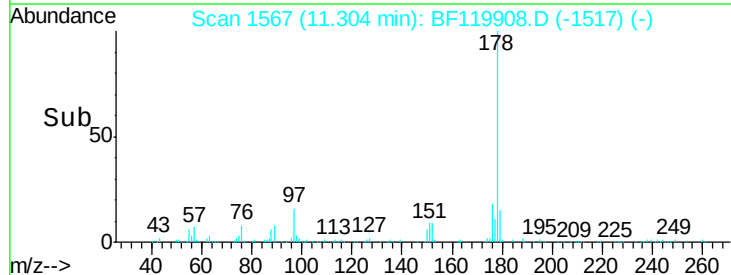
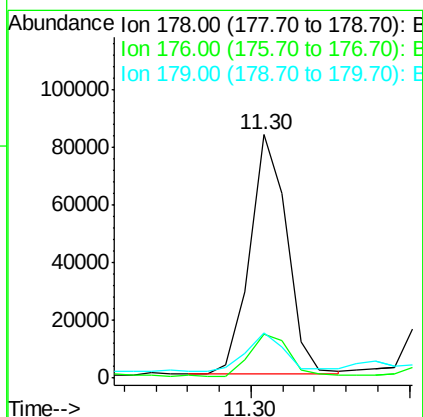
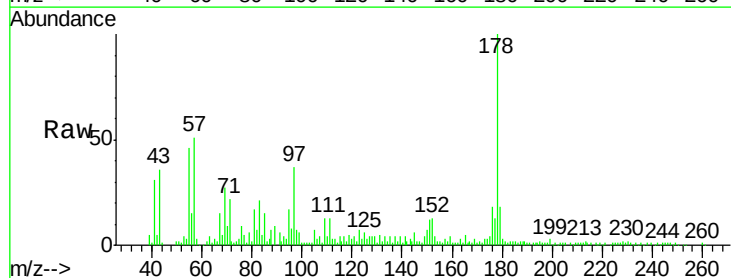
Instrument :
 BNA_F
 ClientSampleId :

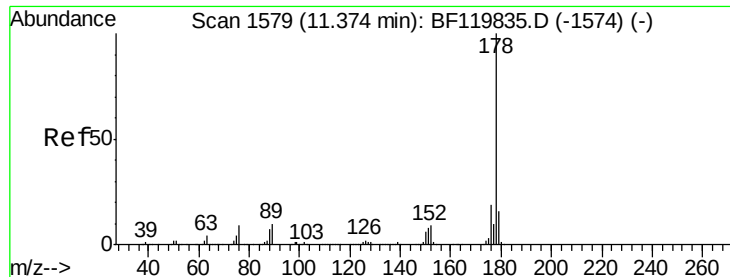
Tot Ion:188 Resp: 438127
 Ion Ratio Lower Upper
 188 100
 94 10.3 6.7 10.1#
 80 10.6 7.4 11.2



#71
 Phenanthrene
 Concen: 2.906 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF119908.D
 Acq: 10 Apr 2020 21:21

Tgt Ion:178 Resp: 67763
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.1 22.7
 179 18.4 12.2 18.4#





#72

Anthracene

Concen: 2.845 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.06 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

Instrument :

BNA_F

ClientSampleId :

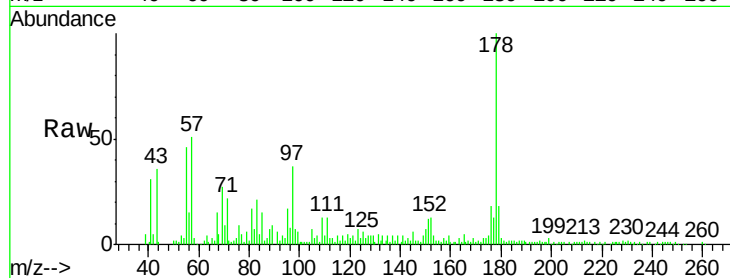
Tot Ion:178 Resp: 67763

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

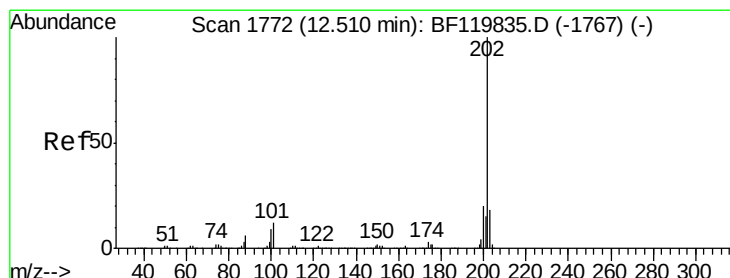
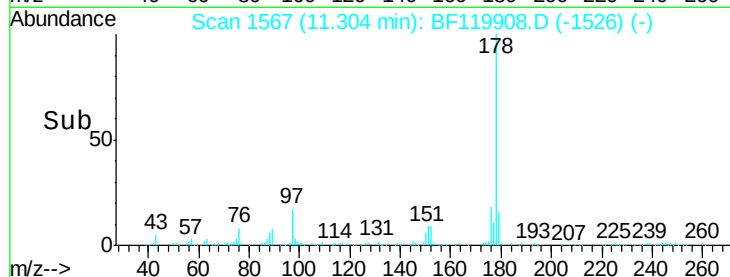
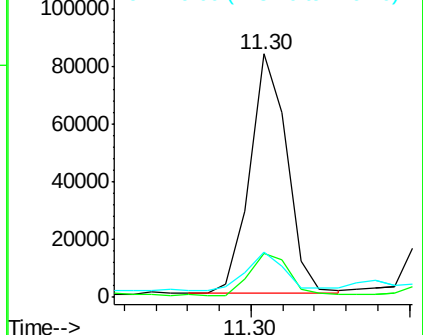
179 18.4 12.8 19.2



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



#75

Fluoranthene

Concen: 5.163 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

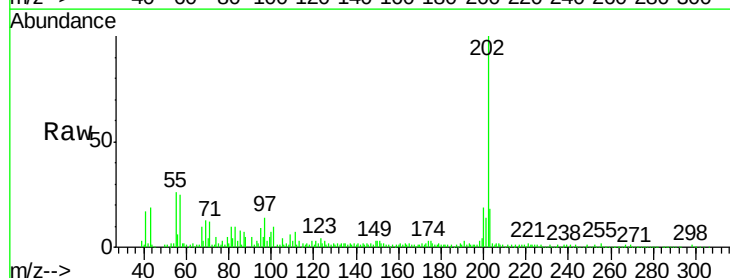
Tgt Ion:202 Resp: 129889

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.3

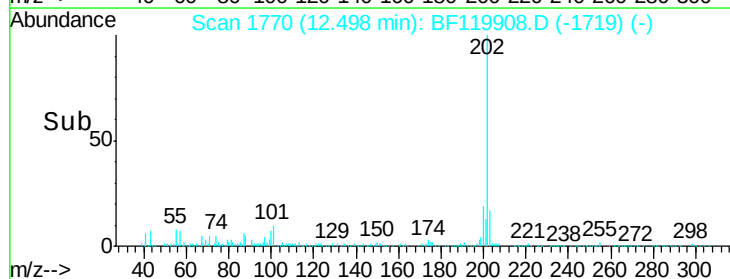
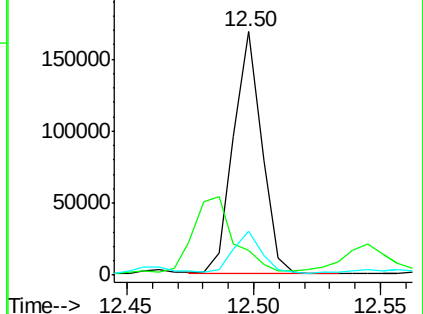
203 18.0 0.0 37.6

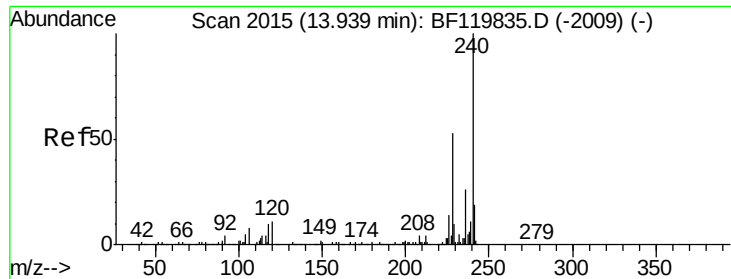


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

Instrument :

BNA_F

ClientSampled :

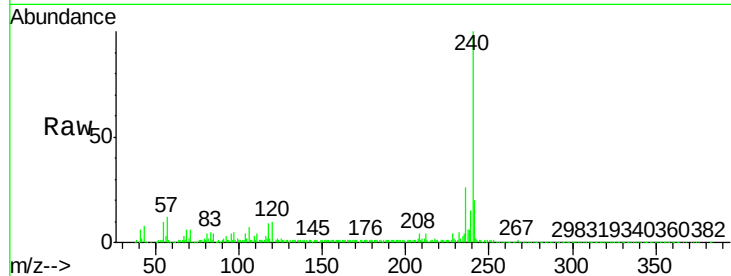
Tot Ion:240 Resp: 342019

Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.6

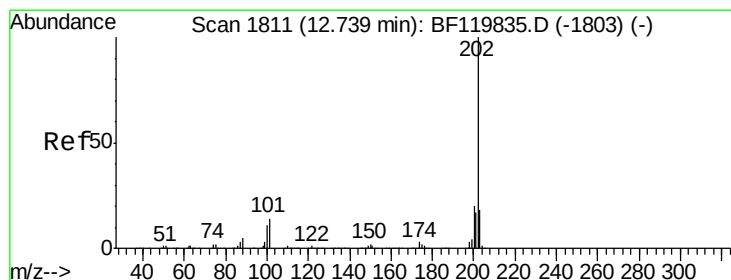
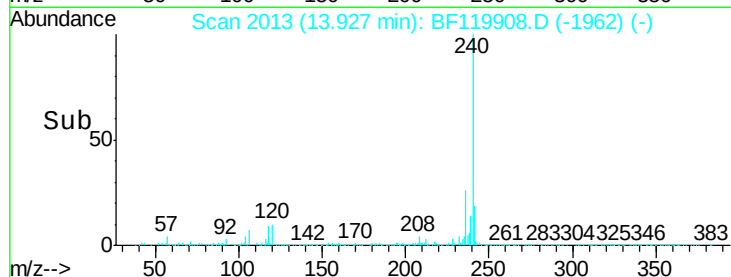
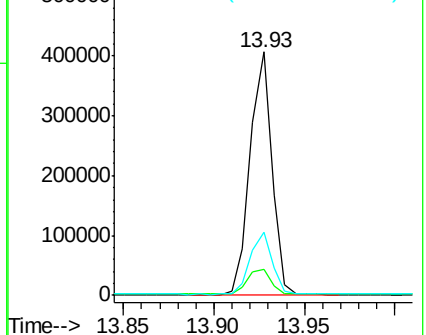
236 25.9 20.7 31.1



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: 5.041 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

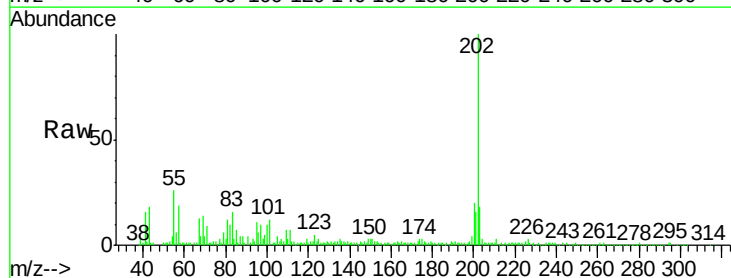
Tgt Ion:202 Resp: 145345

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

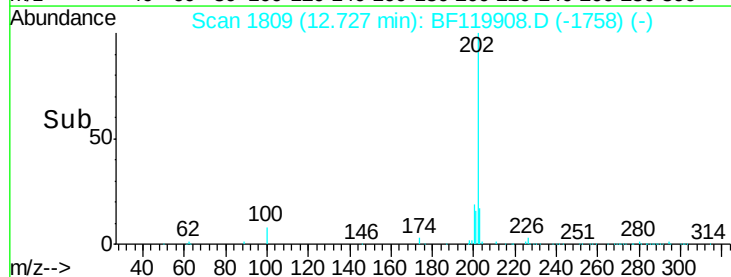
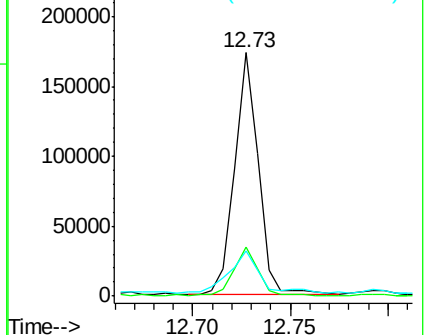
203 18.3 14.1 21.1

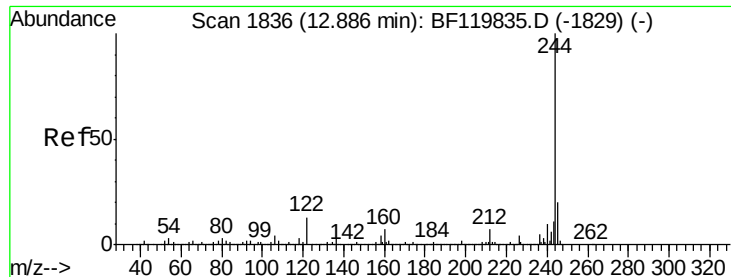


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 43.317 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

Instrument :

BNA_F

ClientSampleId :

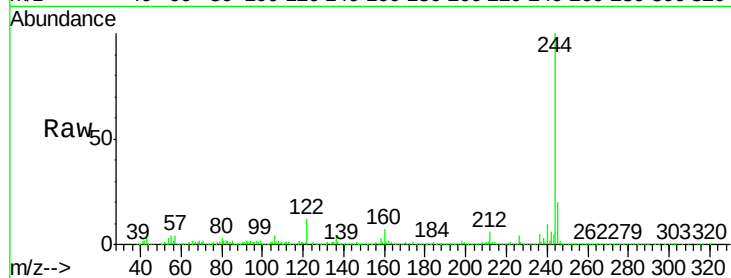
Tot Ion:244 Resp: 880478

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

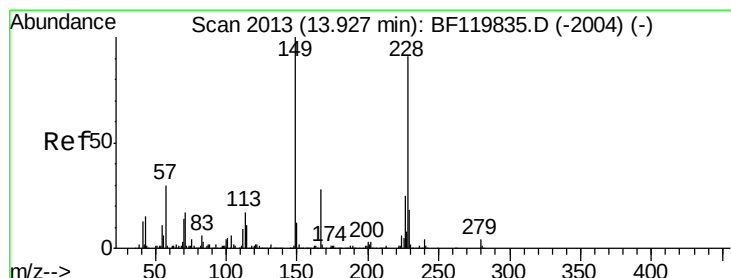
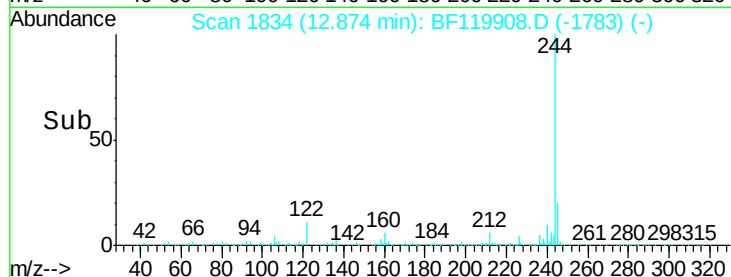
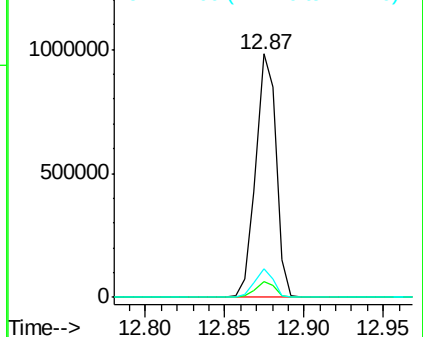
122 11.8 10.3 15.5



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: 3.215 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

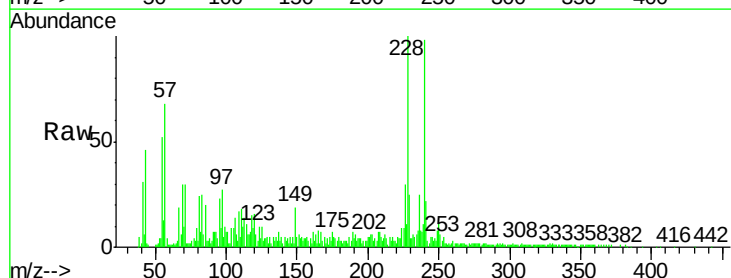
Tgt Ion:228 Resp: 72333

Ion Ratio Lower Upper

228 100

226 30.1 21.9 32.9

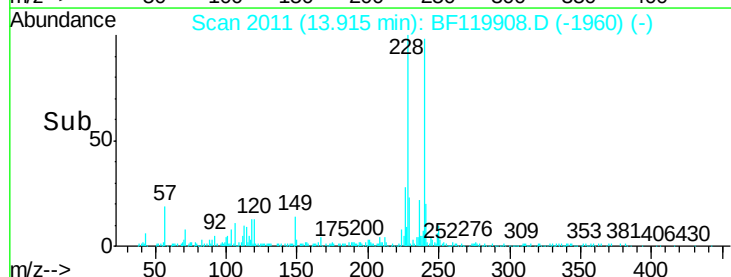
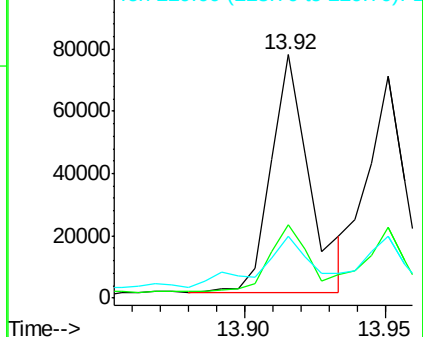
229 25.3 15.9 23.9#

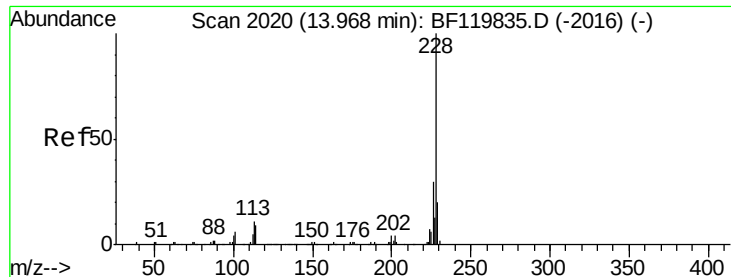


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.795 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

Instrument :

BNA_F

ClientSampled :

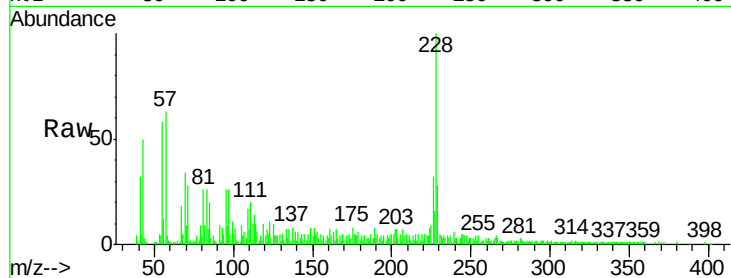
Tot Ion:228 Resp: 63903

Ion Ratio Lower Upper

228 100

226 32.0 24.2 36.2

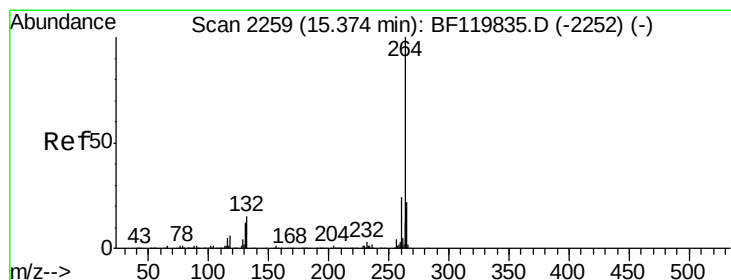
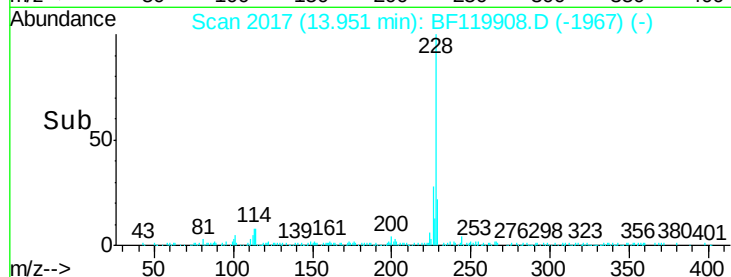
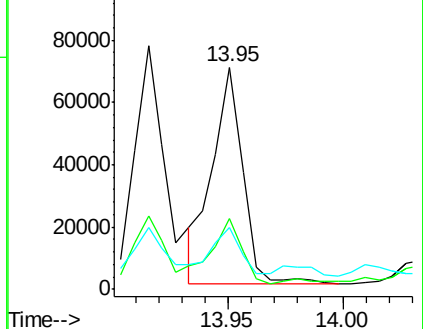
229 27.9 15.9 23.9#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF119908.D

Acq: 10 Apr 2020 21:21

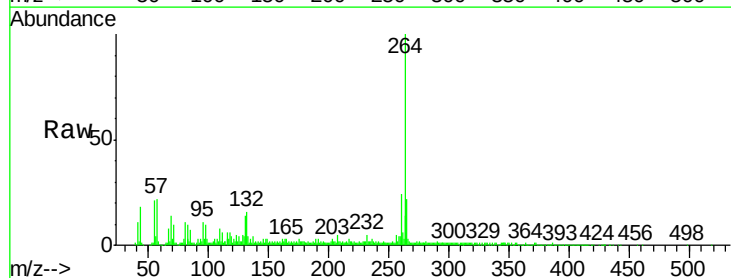
Tgt Ion:264 Resp: 276100

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

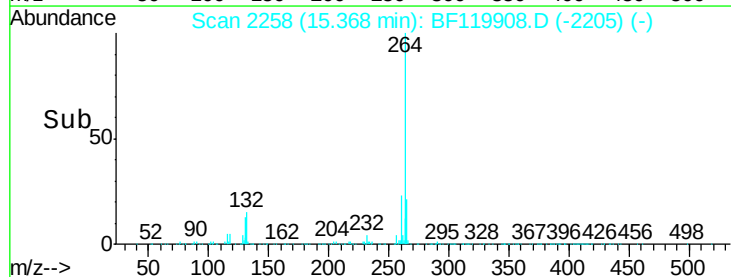
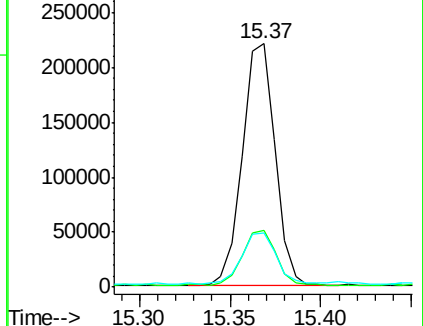
265 22.3 17.6 26.4

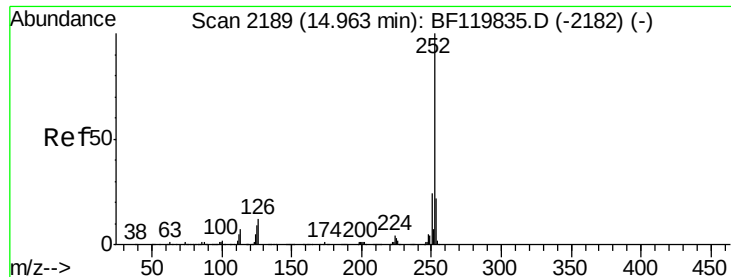


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

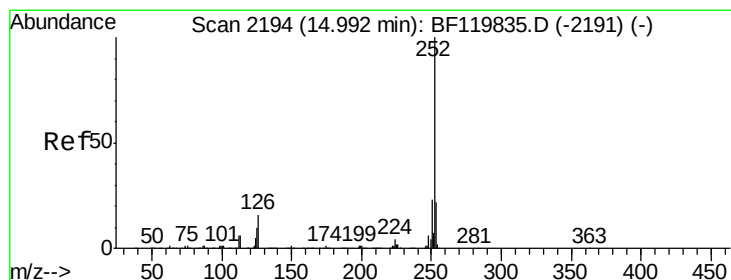
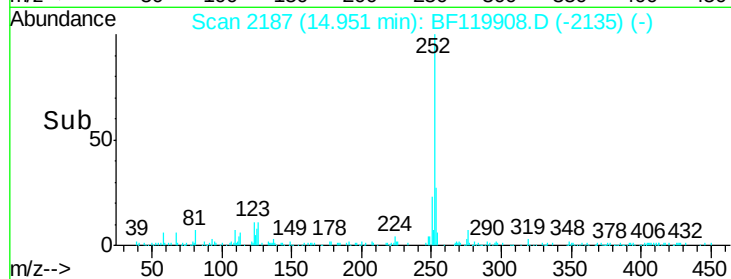
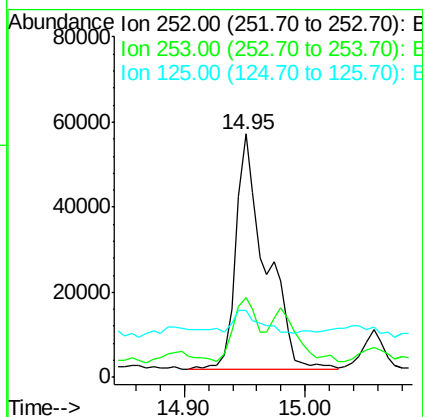
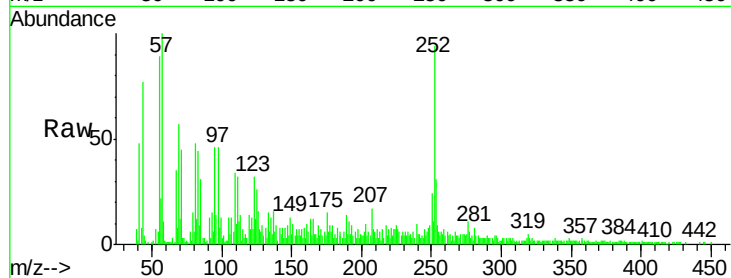




#88
Benzo(b)fluoranthene
Concen: 4.822 ng
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

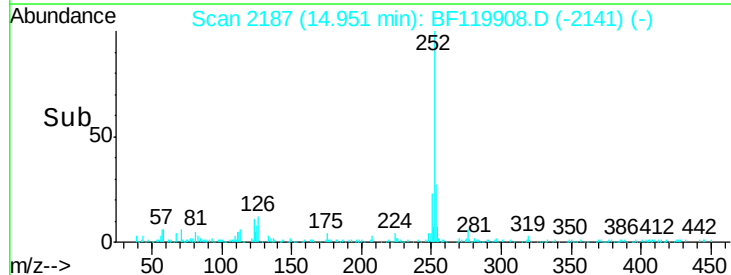
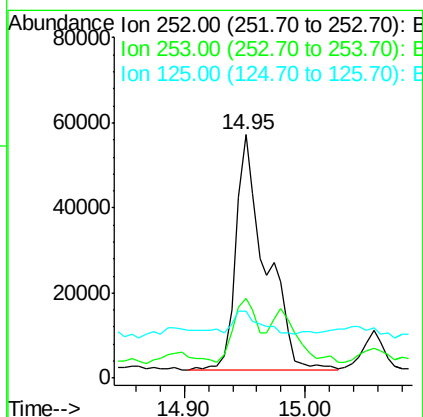
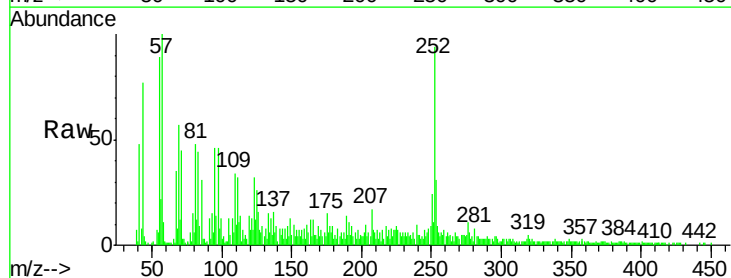
Instrument :
BNA_F
ClientSampleId :

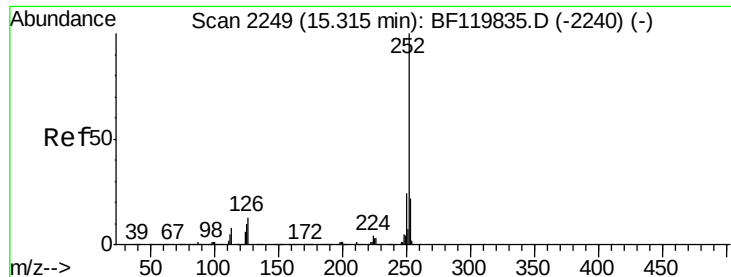
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.7	26.5#
125	27.7	7.4	11.2#



#89
Benzo(k)fluoranthene
Concen: 5.588 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.8	26.8#
125	27.7	7.7	11.5#

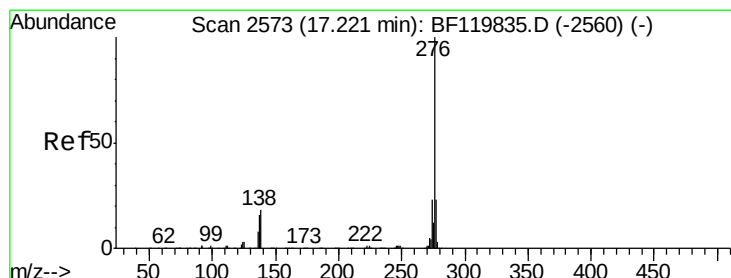
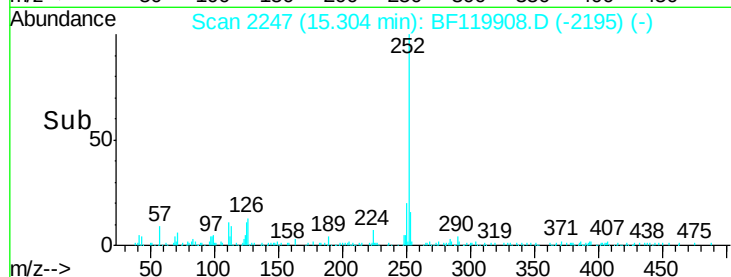
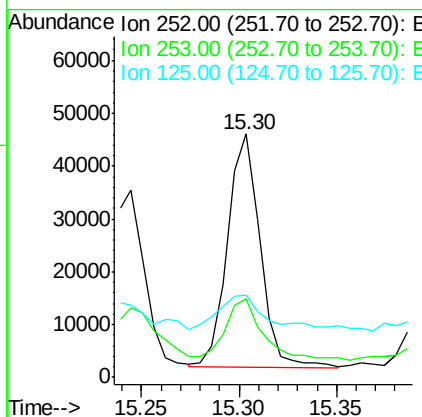
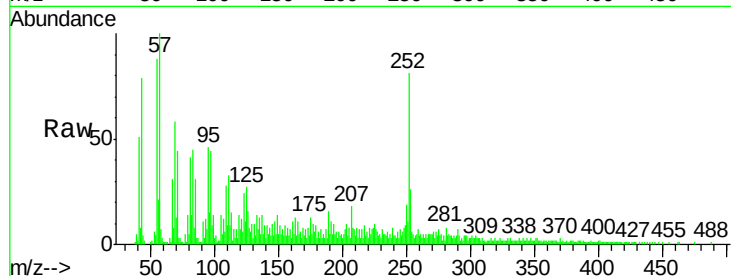




#90
Benzo(a)pyrene
Concen: 3.061 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 51123
Ion Ratio Lower Upper
252 100
253 32.3 17.4 26.2#
125 33.6 8.3 12.5#



#92
Benzo(g,h,i)perylene
Concen: 2.081 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.01 min
Lab File: BF119908.D
Acq: 10 Apr 2020 21:21

Tgt Ion:276 Resp: 30392
Ion Ratio Lower Upper
276 100
277 34.9 18.5 27.7#
138 27.8 14.6 22.0#

