

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114846.D
 Acq On : 6 Jun 2019 3:56
 Operator : HP/JU
 Sample : K3151-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:06:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	381144	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1448774	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	681054	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1207857	20.00	ng	0.00
76) Chrysene-d12	13.80	240	793190	20.00	ng	0.00
87) Perylene-d12	15.19	264	619240	20.00	ng	0.01

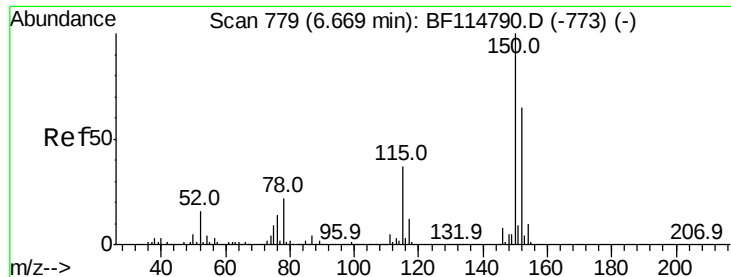
System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1118361	51.27	ng	0.00
7) Phenol-d6	6.30	99	1382866	52.10	ng	0.00
23) Nitrobenzene-d5	7.23	82	804203	34.17	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	341451	46.52	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1556268	42.81	ng	0.00
79) Terphenyl-d14	12.76	244	1458576	35.76	ng	0.01

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	108537	6.178	ng	# 78
25) Isophorone	7.23	82	790452	16.989	ng	# 61
50) Dimethylphthalate	9.42	163	274621	5.521	ng	98
57) 2,4-Dinitrotoluene	9.70	165	91874	6.247	ng	# 32
58) Fluorene	10.24	166	71101	Below	Cal	99
71) Phenanthrene	11.20	178	668207	11.588	ng	96
72) Anthracene	11.25	178	190175	3.134	ng	94
75) Fluoranthene	12.38	202	913574	15.222	ng	90
78) Pyrene	12.61	202	1118870	16.260	ng	96
81) Benzo(a)anthracene	13.79	228	545074	8.918	ng	98
83) Chrysene	13.83	228	549382	9.239	ng	96
86) Indeno(1,2,3-cd)pyrene	16.50	276	252609	3.723	ng	94
88) Benzo(b)fluoranthene	14.80	252	746769	18.943	ng	# 98
89) Benzo(k)fluoranthene	14.80	252	746769	22.306	ng	98
90) Benzo(a)pyrene	15.13	252	390409	11.442	ng	97
91) Dibenzo(a,h)anthracene	16.50	278	67307	2.083	ng	# 73
92) Benzo(a,h,i)perylene	16.89	276	233939	7.199	ng	97

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

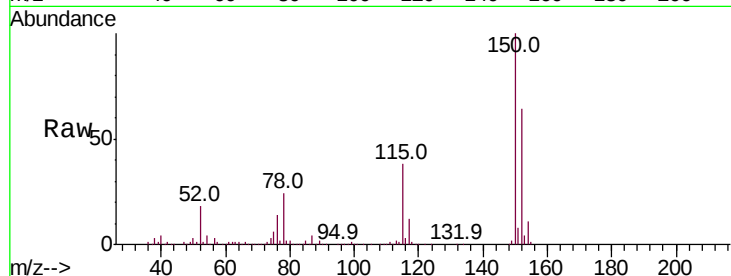


#1

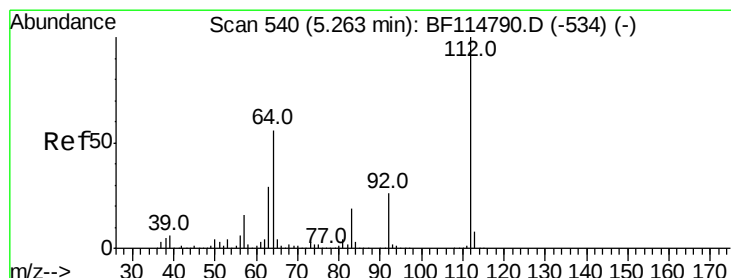
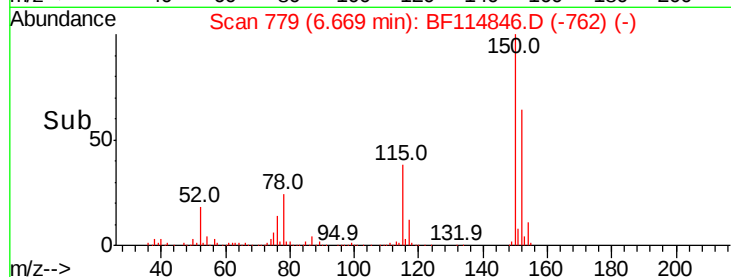
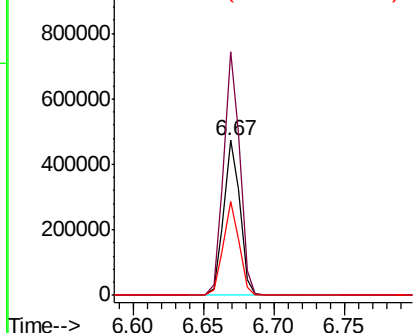
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 381144
Ion Ratio Lower Upper
152 100
150 157.2 124.0 186.0
115 60.3 46.3 69.5



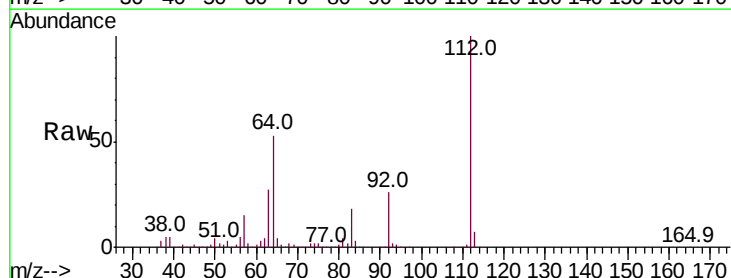
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



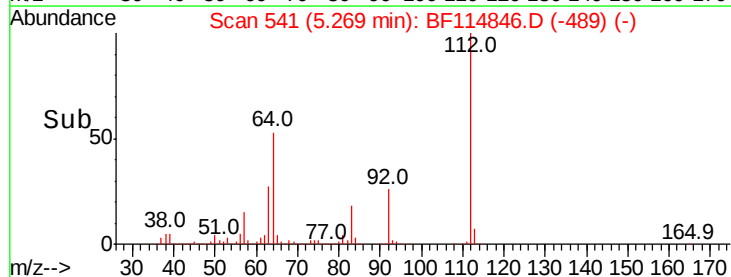
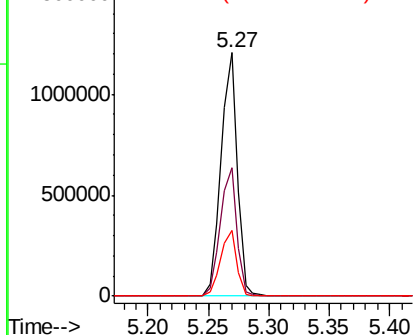
#5

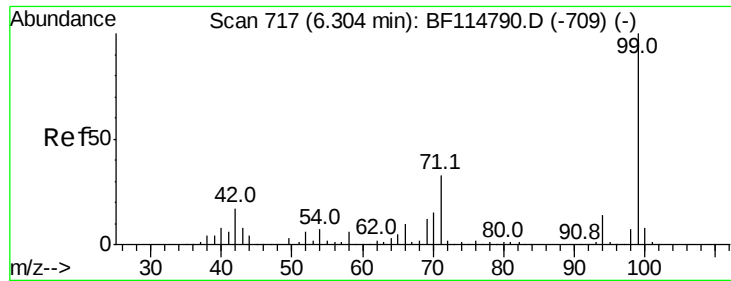
2-Fluorophenol
Concen: 51.271 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

Tgt Ion:112 Resp: 1118361
Ion Ratio Lower Upper
112 100
64 52.7 44.6 66.8
63 27.0 23.0 34.4



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: 52.102 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Instrument :

BNA_F

ClientSampleId :

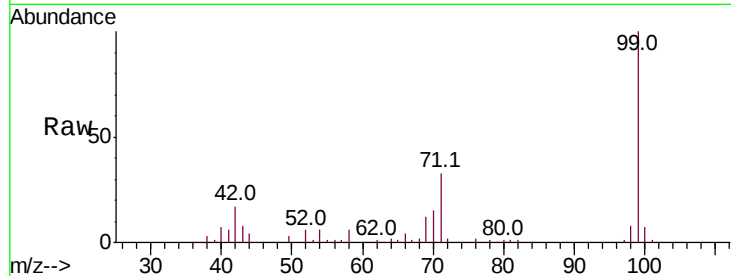
Tot Ion: 99 Resp: 1382866

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.3	19.9
71	32.5	26.3	39.5

99 100

42 16.8 13.3 19.9

71 32.5 26.3 39.5

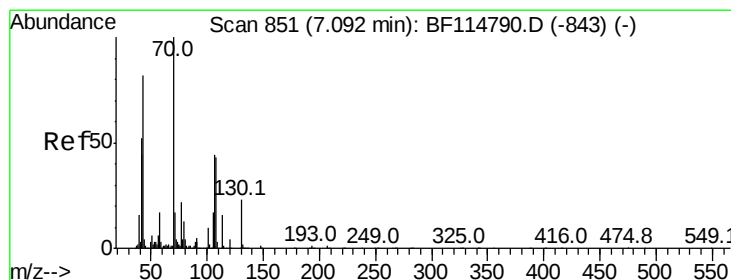
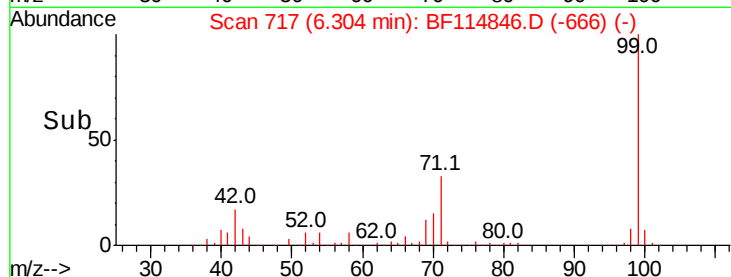
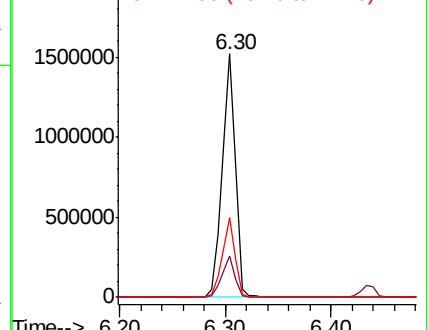


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 6.178 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Tgt Ion: 70 Resp: 108537

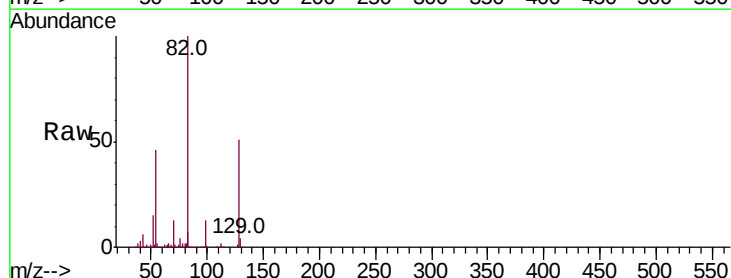
Ion	Ratio	Lower	Upper
70	100		
42	44.5	41.8	62.8
101	0.0	8.2	12.4#
130	2.5	18.5	27.7#

70 100

42 44.5 41.8 62.8

101 0.0 8.2 12.4#

130 2.5 18.5 27.7#



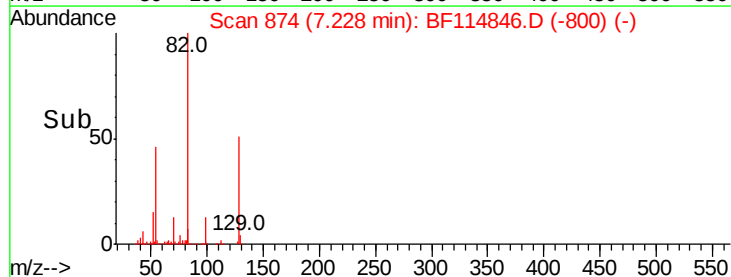
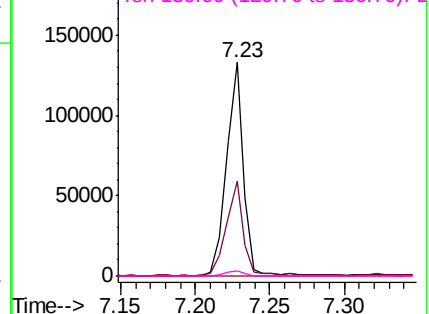
Abundance

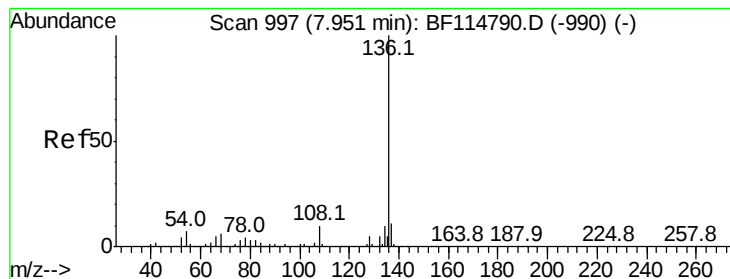
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1448774

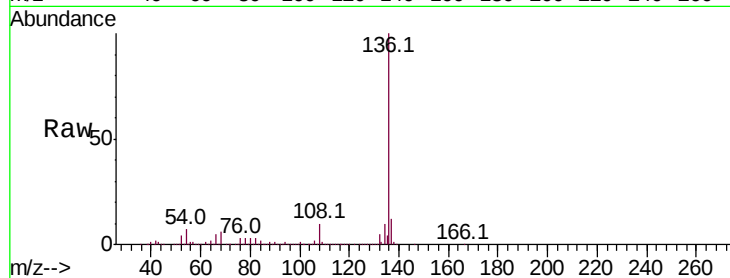
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 6.9 5.4 8.0

68 5.8 4.6 6.8

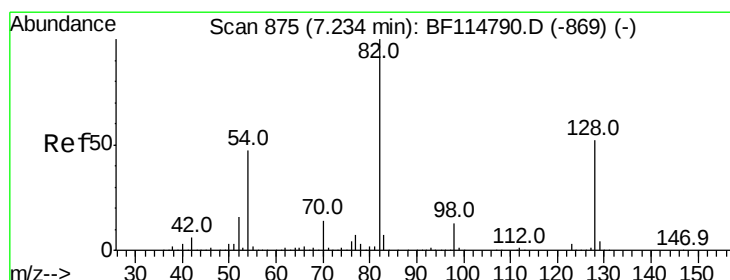
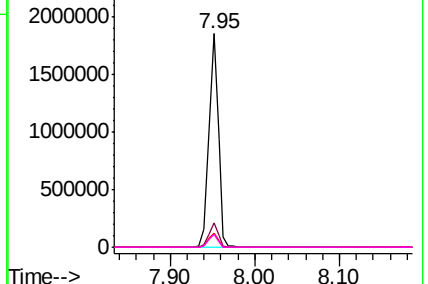
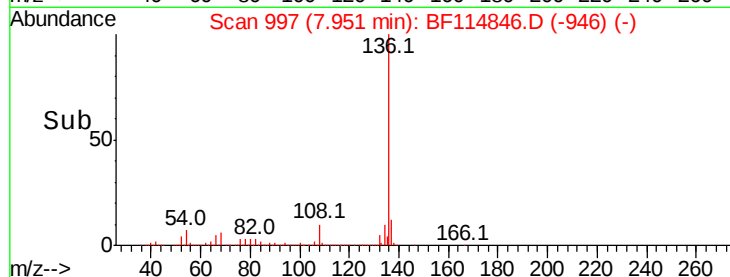


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.171 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

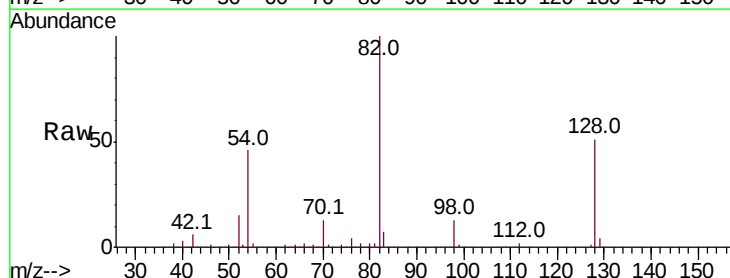
Tgt Ion: 82 Resp: 804203

Ion Ratio Lower Upper

82 100

128 50.8 41.8 62.6

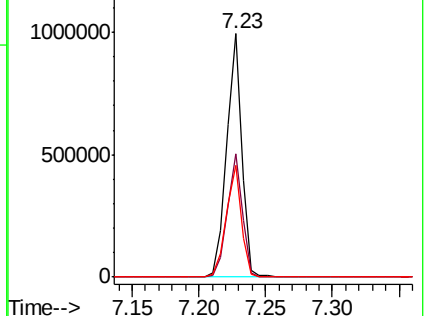
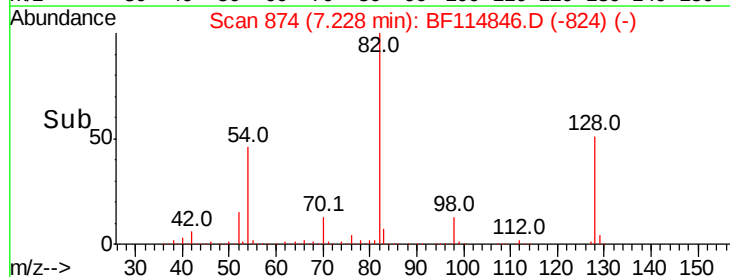
54 45.8 37.9 56.9

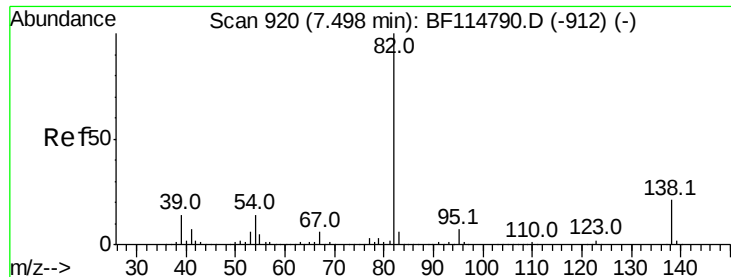


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.989 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Instrument :

BNA_F

ClientSampleId :

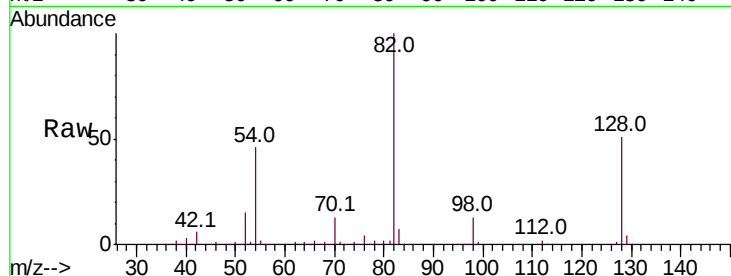
Tot Ion: 82 Resp: 790452

Ion Ratio Lower Upper

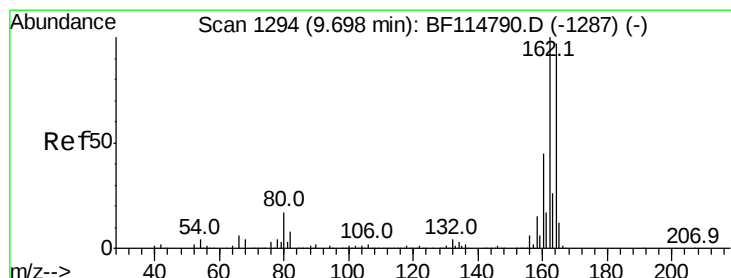
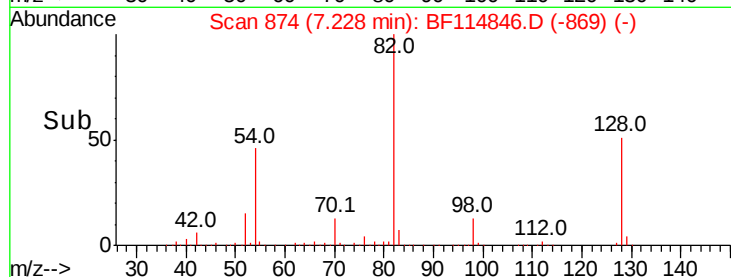
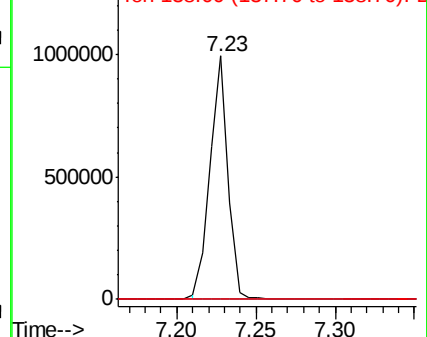
82 100

95 0.1 5.8 8.8#

138 0.0 16.9 25.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

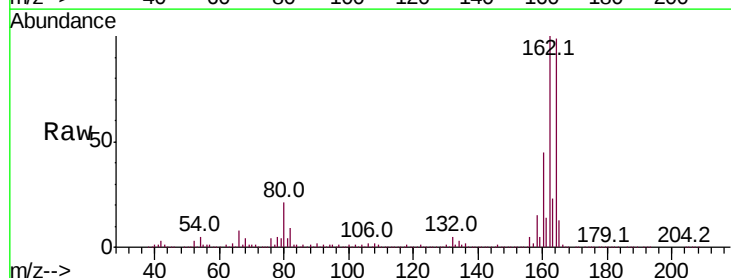
Tgt Ion:164 Resp: 681054

Ion Ratio Lower Upper

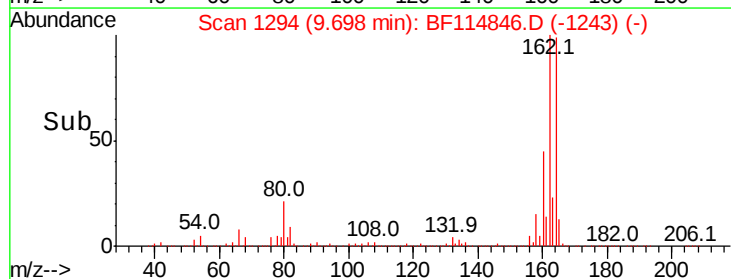
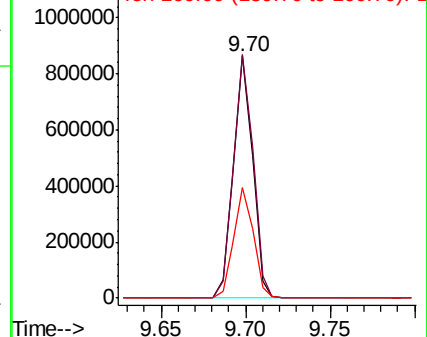
164 100

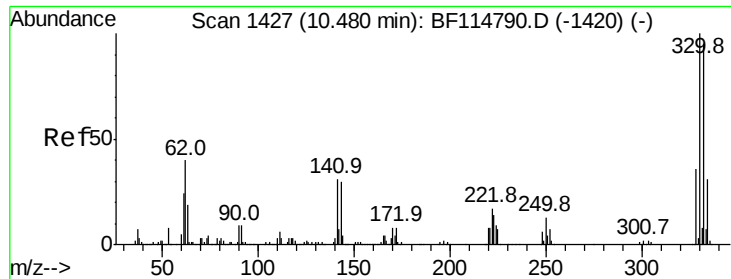
162 100.6 82.3 123.5

160 45.7 36.7 55.1



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

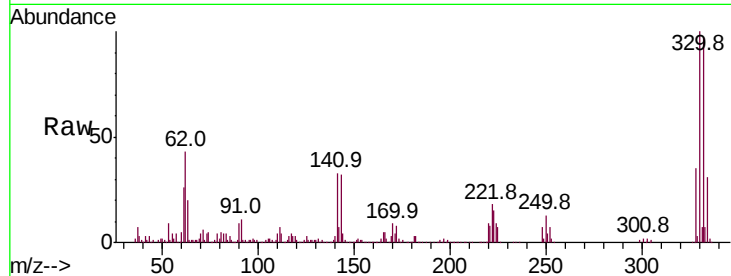




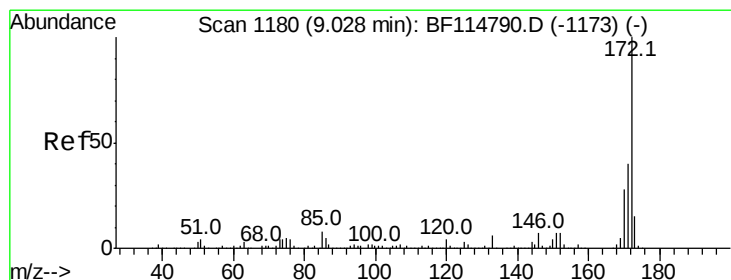
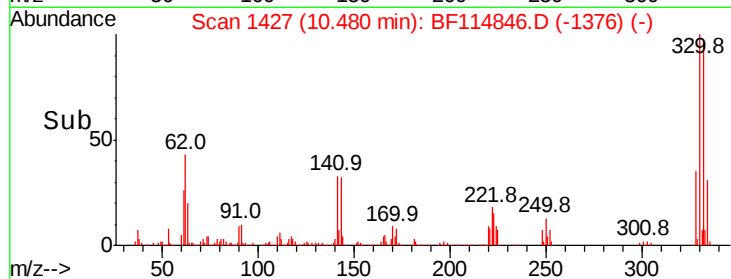
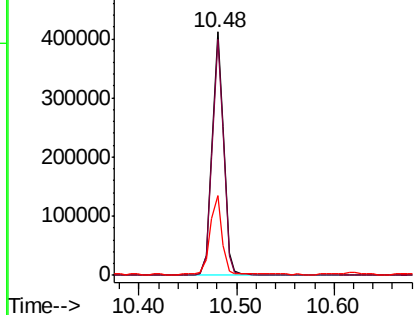
#42
 2,4,6-Tribromophenol
 Concen: 46.523 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114846.D
 Acq: 6 Jun 2019 3:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	33.1	26.2	39.4

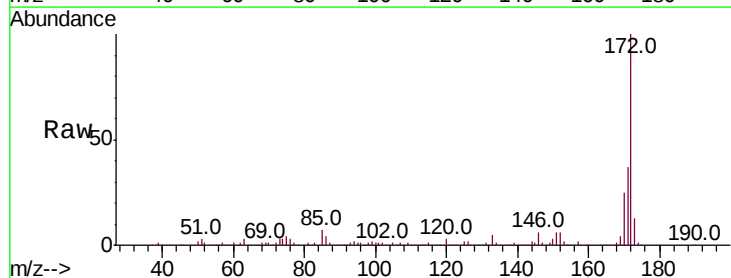


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

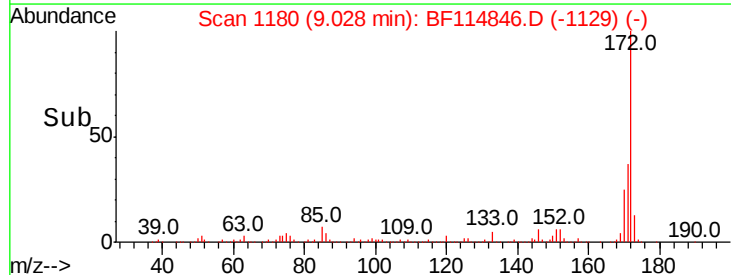
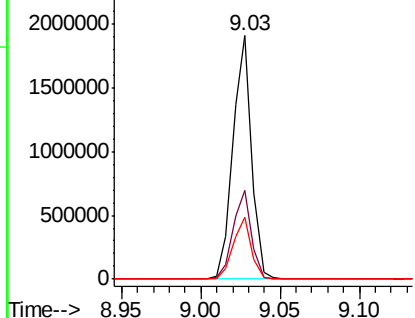


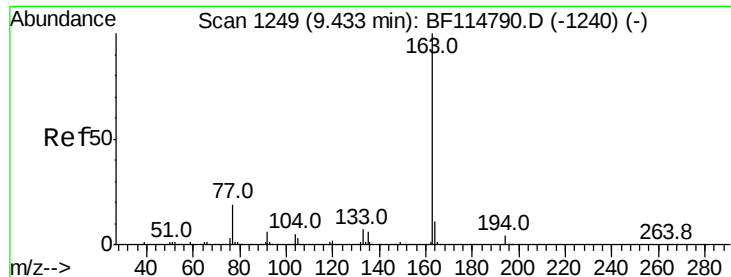
#45
 2-Fluorobiphenyl
 Concen: 42.806 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114846.D
 Acq: 6 Jun 2019 3:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	32.3	48.5
170	25.3	22.4	33.6



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: 5.521 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Instrument :

BNA_F

ClientSampleId :

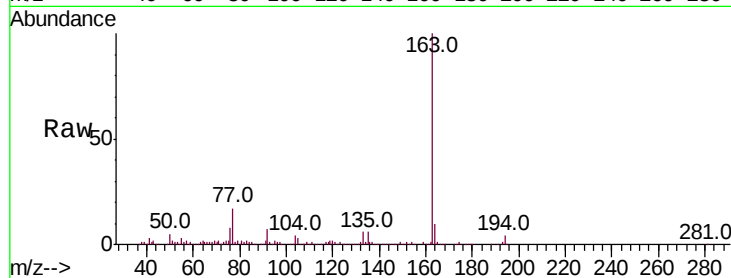
Tot Ion:163 Resp: 274621

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

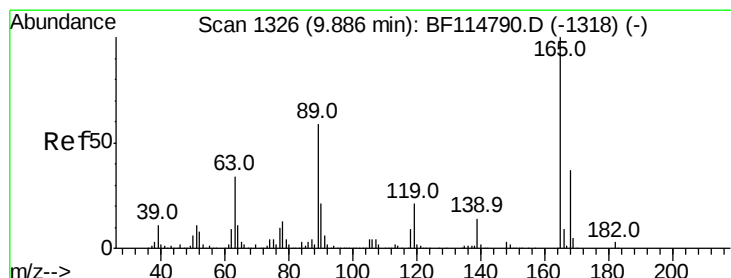
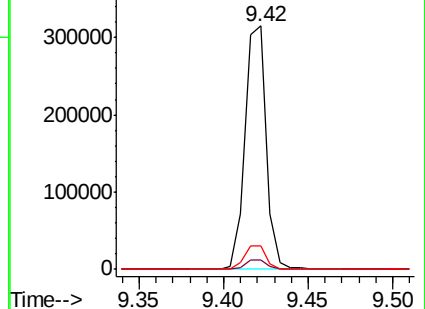
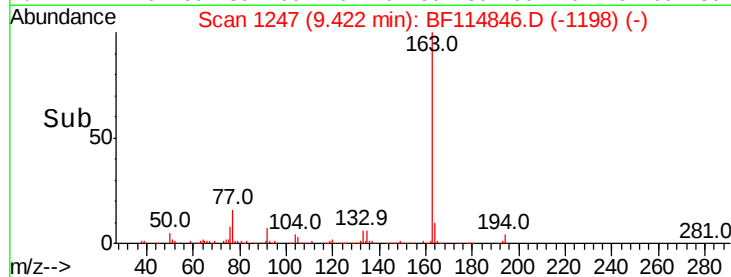
164 9.7 8.6 13.0



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: 6.247 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.19 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Tgt Ion:165 Resp: 91874

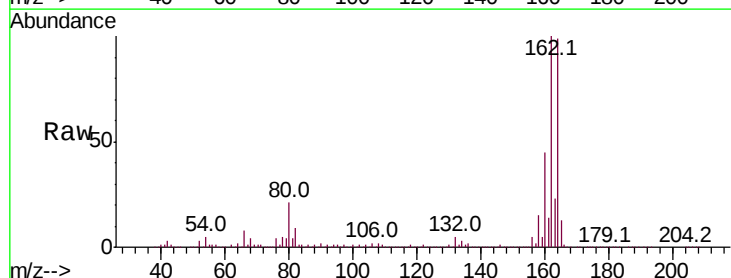
Ion Ratio Lower Upper

165 100

63 1.3 27.0 40.4#

89 1.5 47.0 70.6#

182 1.4 2.2 3.2#

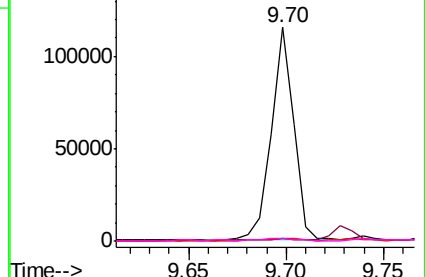
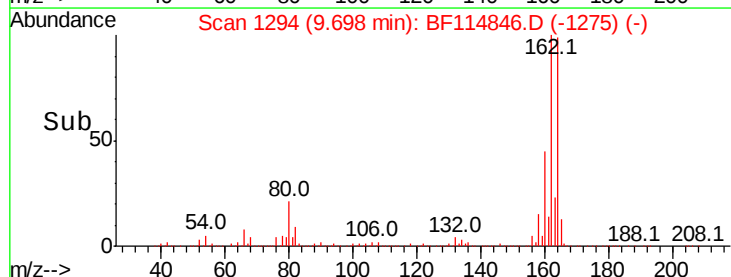


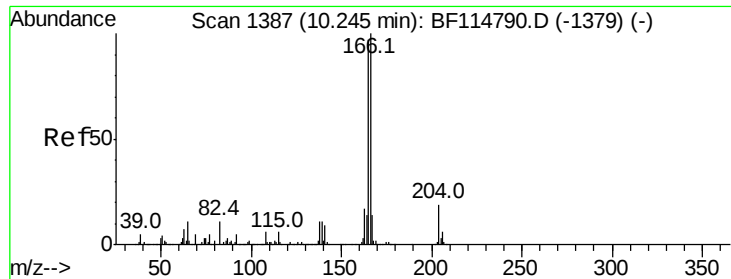
Abundance Ion 165.00 (164.70 to 165.70): E

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

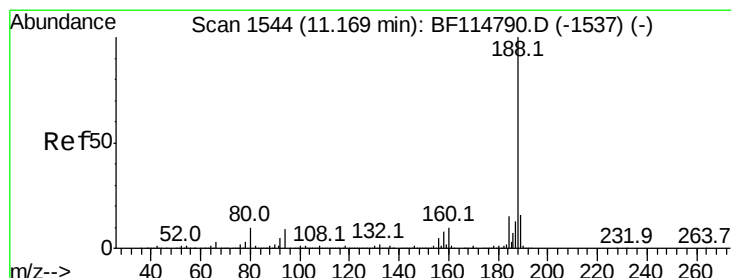
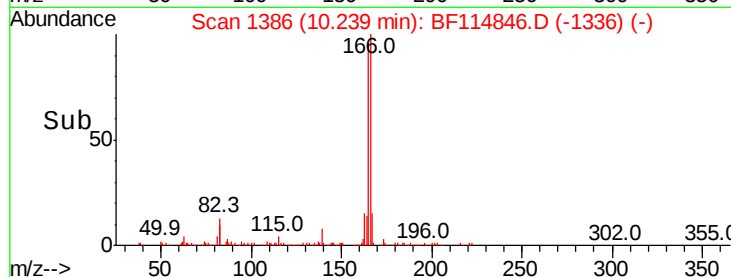
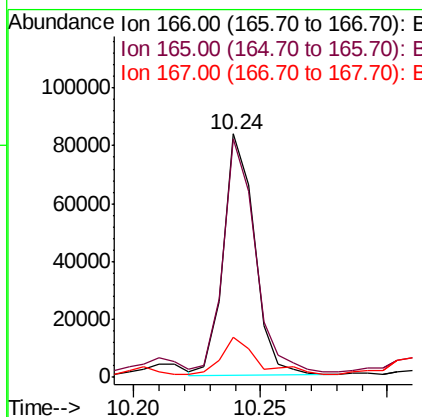
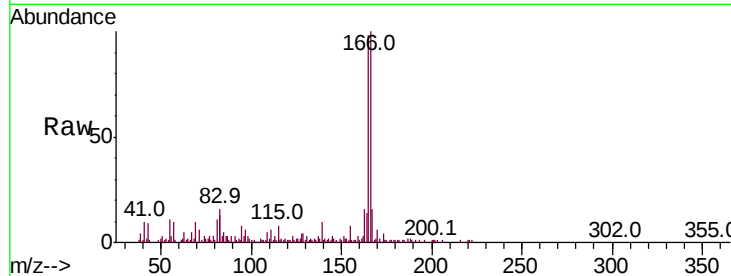




#58
 Fluorene
 Concen: Below Cal
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114846.D
 Acq: 6 Jun 2019 3:56

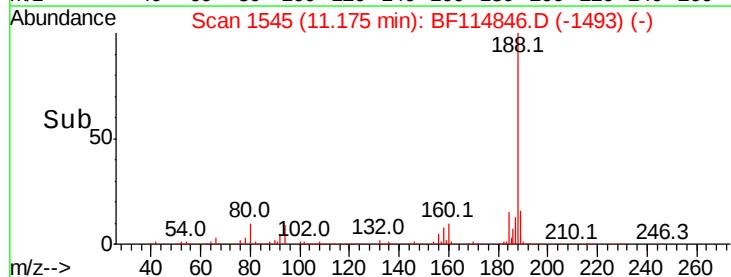
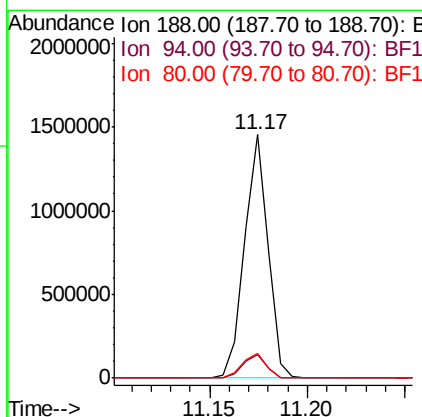
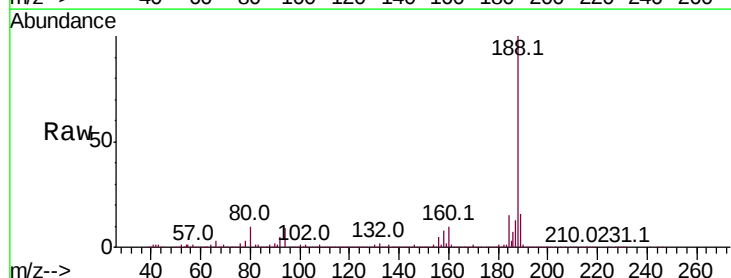
Instrument :
 BNA_F
 ClientSampleId :

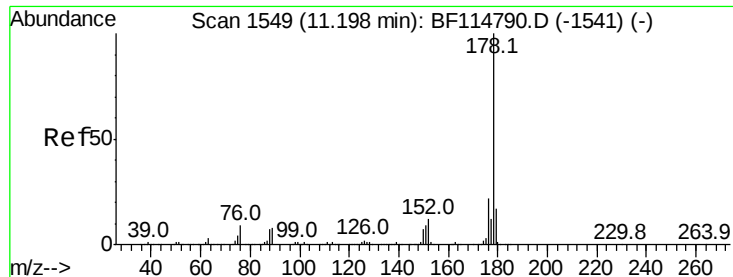
Tot Ion:166 Resp: 71101
 Ion Ratio Lower Upper
 166 100
 165 97.8 77.9 116.9
 167 16.3 11.3 16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BF114846.D
 Acq: 6 Jun 2019 3:56

Tgt Ion:188 Resp: 1207857
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.6 11.4
 80 9.9 8.3 12.5

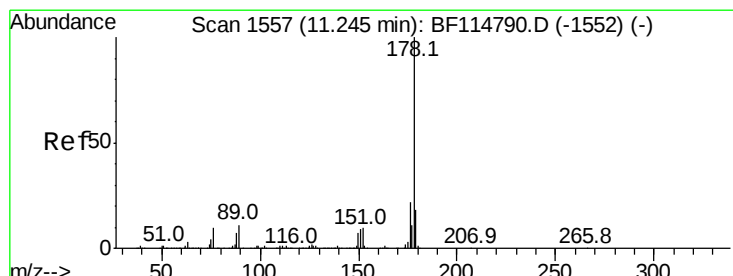
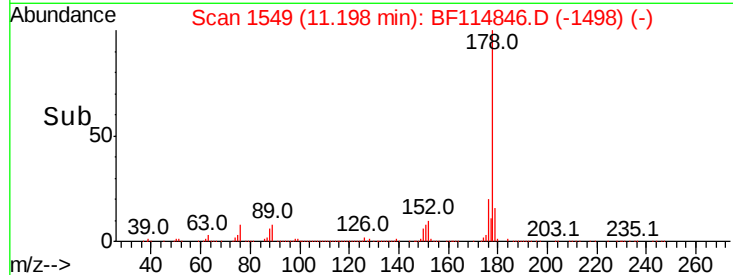
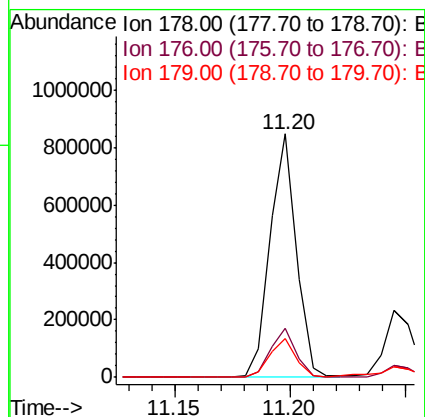
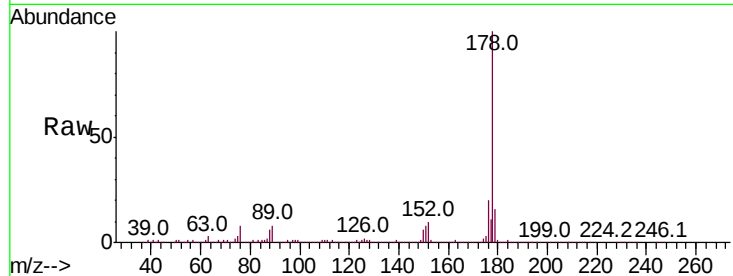




#71
Phenanthrene
Concen: 11.588 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

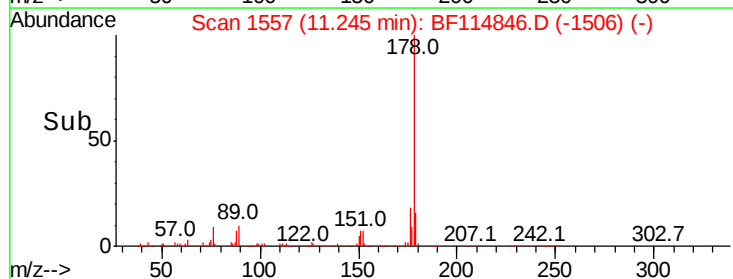
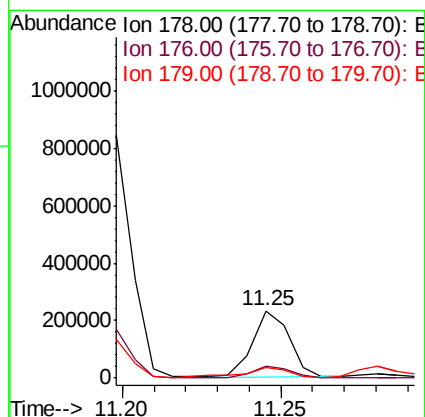
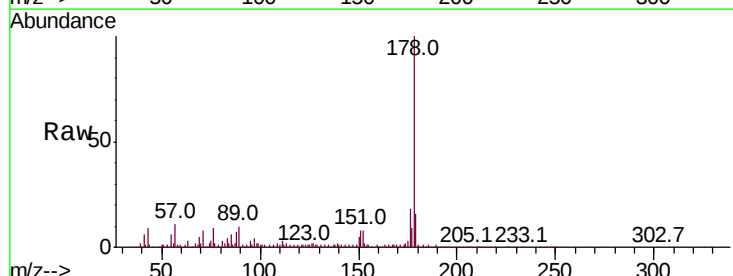
Instrument :
BNA_F
ClientSampleId :

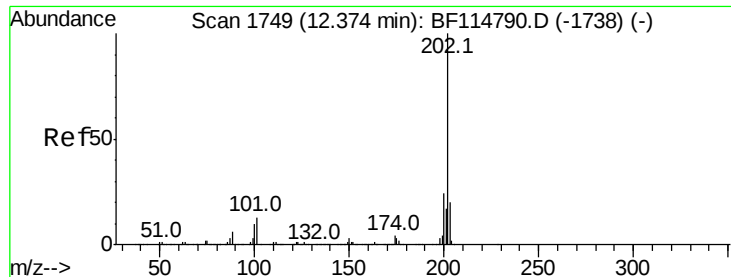
Tot Ion:178 Resp: 668207
Ion Ratio Lower Upper
178 100
176 20.0 17.7 26.5
179 15.8 13.7 20.5



#72
Anthracene
Concen: 3.134 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

Tgt Ion:178 Resp: 190175
Ion Ratio Lower Upper
178 100
176 18.2 17.4 26.0
179 16.1 14.2 21.4





#75

Fluoranthene

Concen: 15.222 ng

RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Instrument :

BNA_F

ClientSampled :

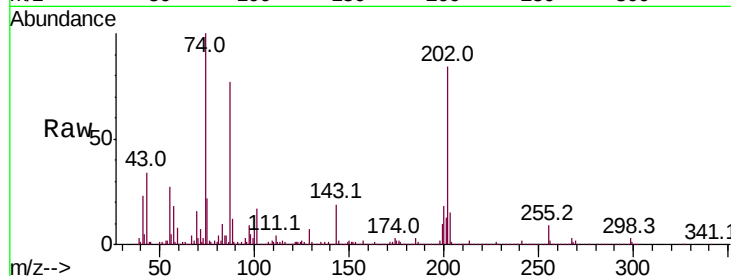
Tot Ion:202 Resp: 913574

Ion Ratio Lower Upper

202 100

101 20.3 0.0 32.8

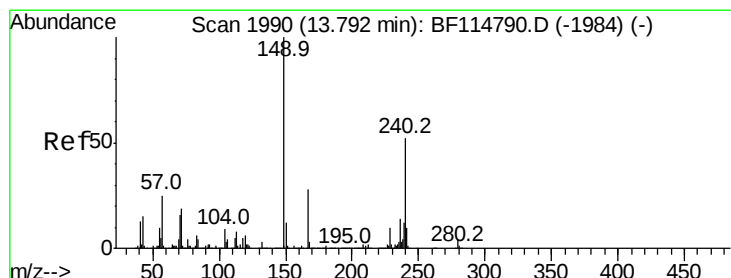
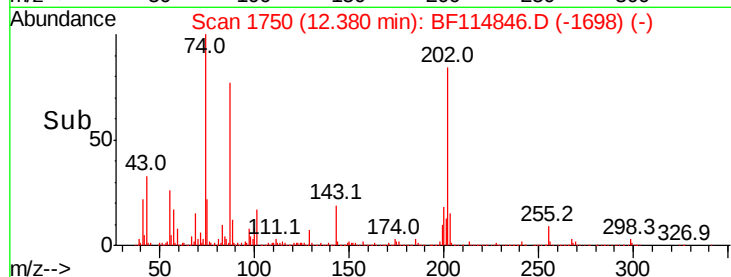
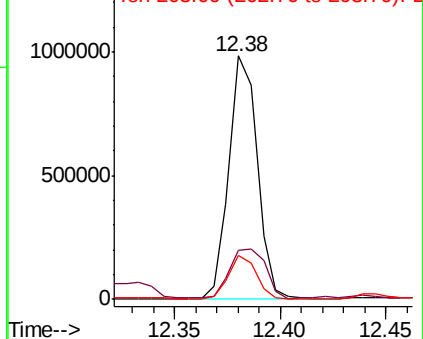
203 18.0 0.2 40.2



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: 13.80 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

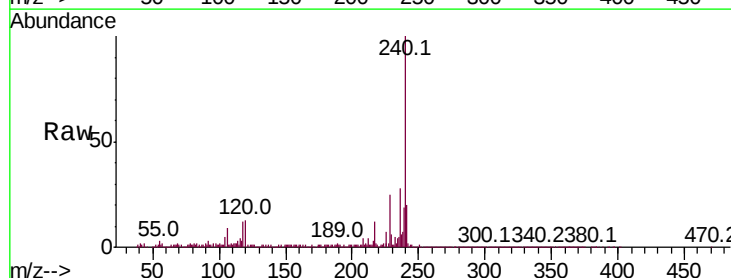
Tgt Ion:240 Resp: 793190

Ion Ratio Lower Upper

240 100

120 13.3 9.0 13.4

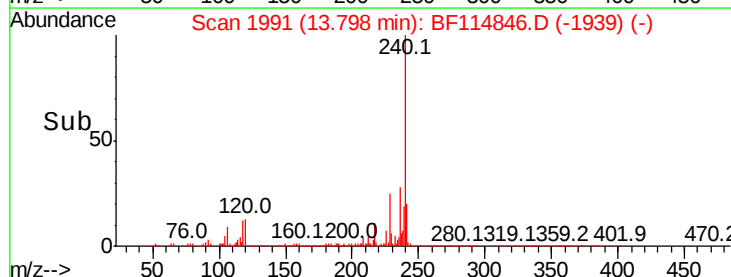
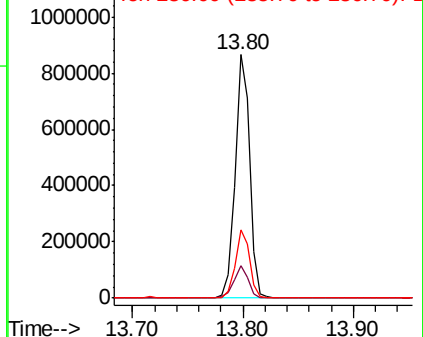
236 28.0 21.4 32.0

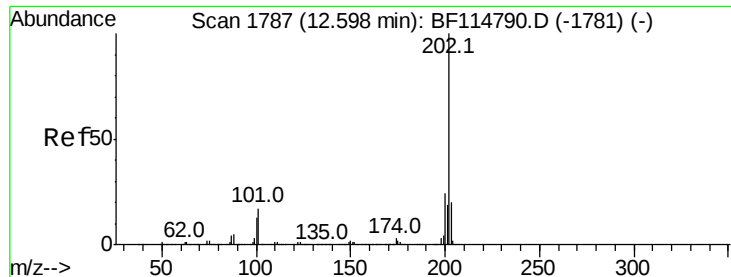


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 16.260 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

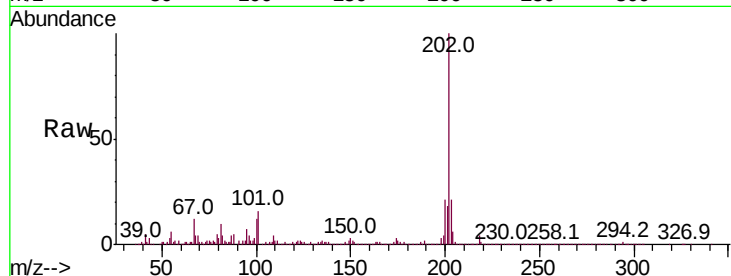
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1118870

Ion	Ratio	Lower	Upper
202	100		
200	21.5	19.2	28.8
203	21.4	15.9	23.9

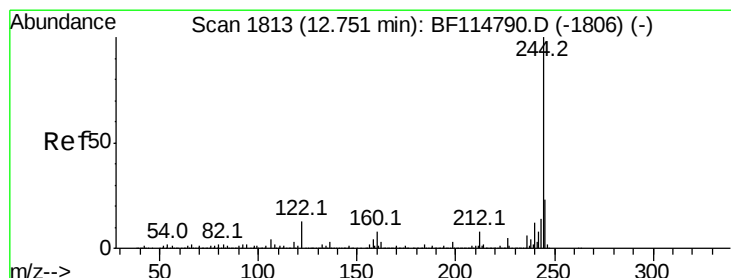
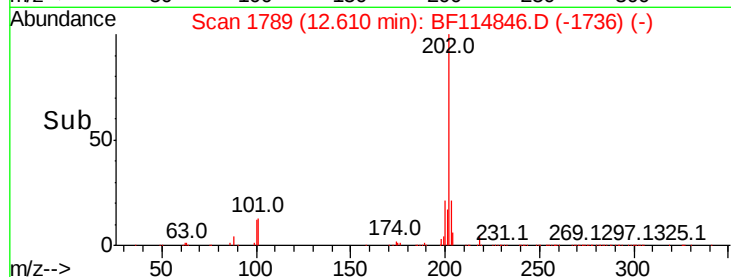
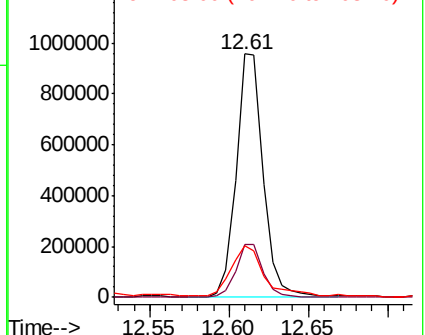


Abundance

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: 35.762 ng

RT: 12.76 min Scan# 1815

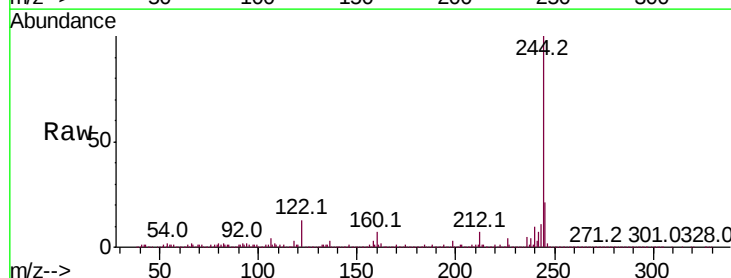
Delta R.T. 0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Tgt Ion:244 Resp: 1458576

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.5	9.7
122	12.6	10.5	15.7

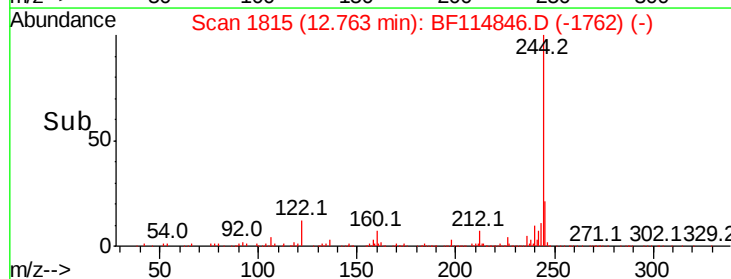
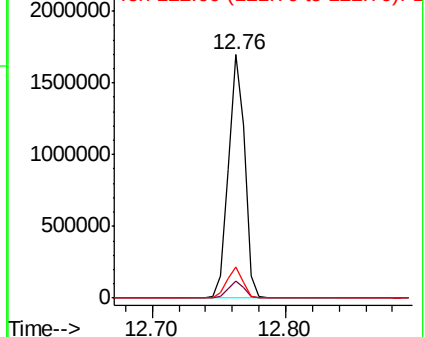


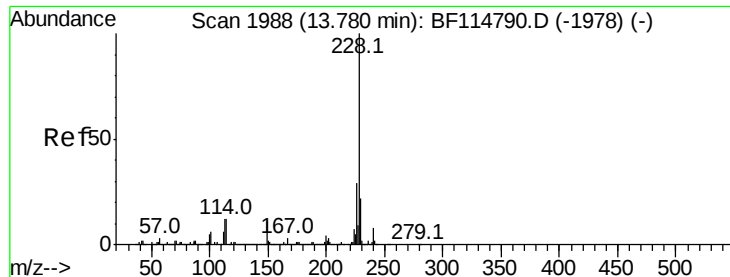
Abundance

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

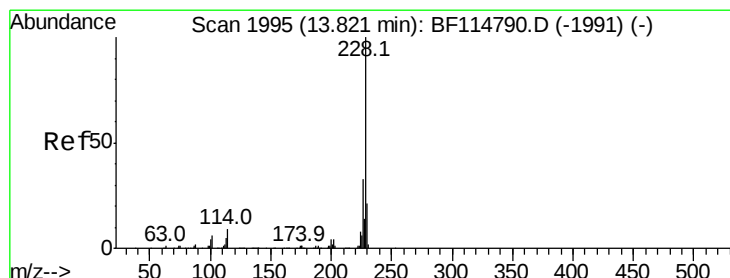
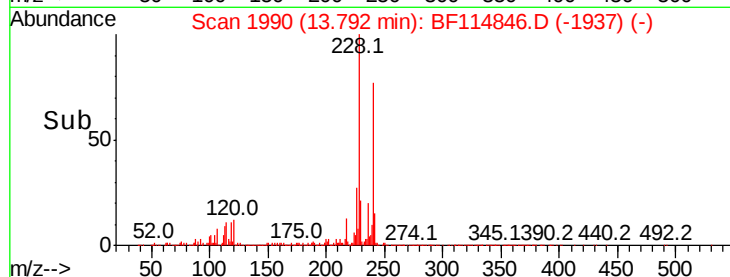
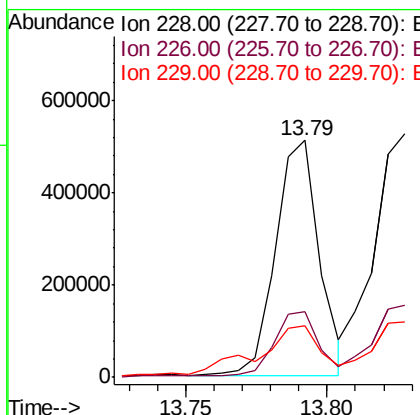
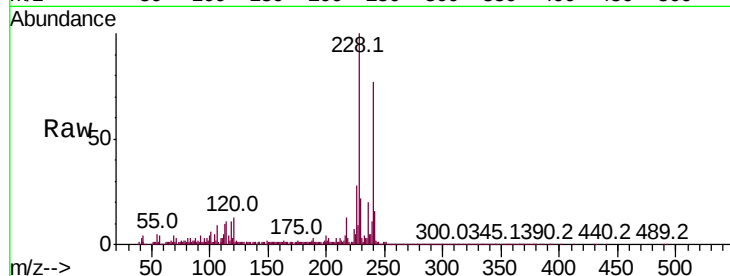




#81
Benzo(a)anthracene
Concen: 8.918 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.01 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

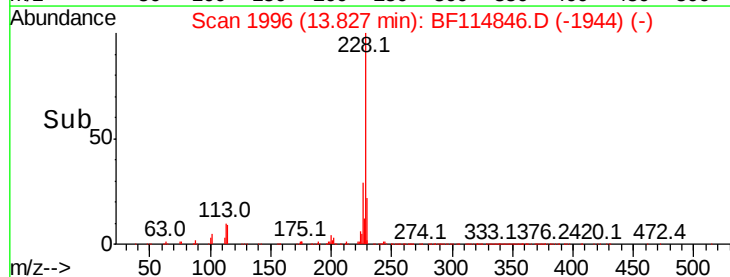
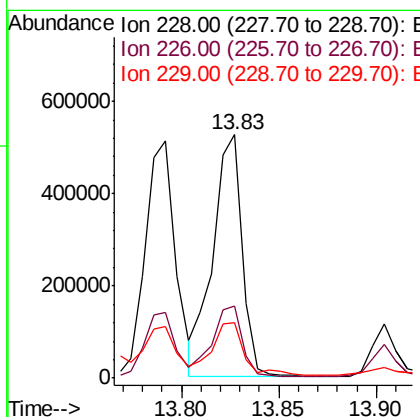
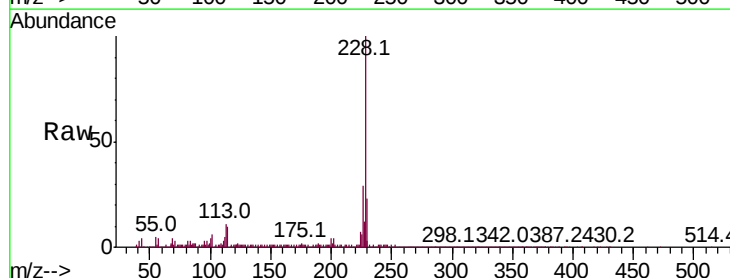
Instrument :
BNA_F
ClientSampleId :

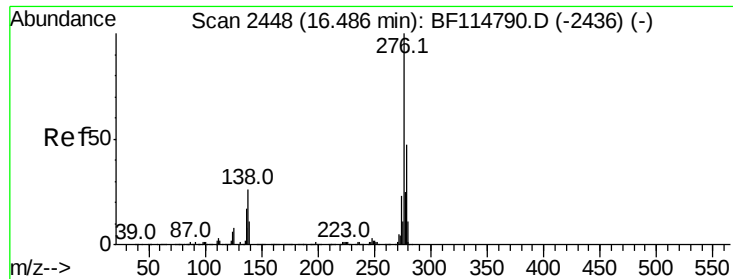
Tot Ion:228 Resp: 545074
Ion Ratio Lower Upper
228 100
226 27.8 23.4 35.2
229 21.5 17.4 26.0



#83
Chrysene
Concen: 9.239 ng
RT: 13.83 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

Tgt Ion:228 Resp: 549382
Ion Ratio Lower Upper
228 100
226 29.4 26.0 39.0
229 22.7 17.1 25.7

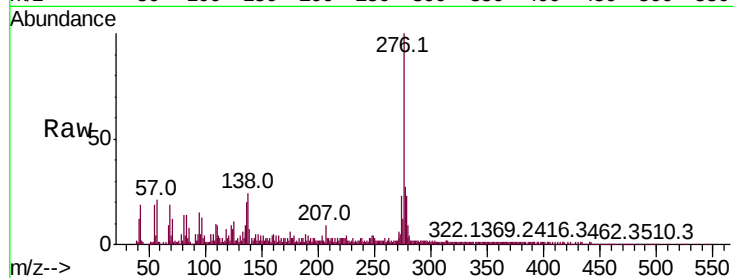




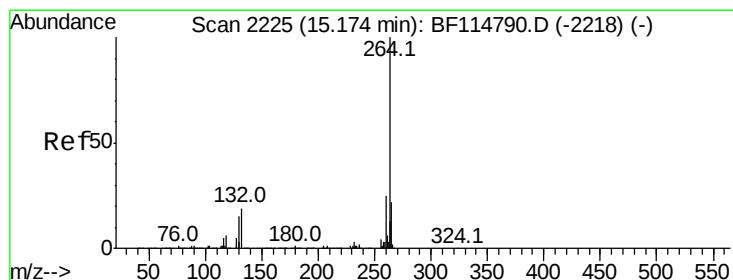
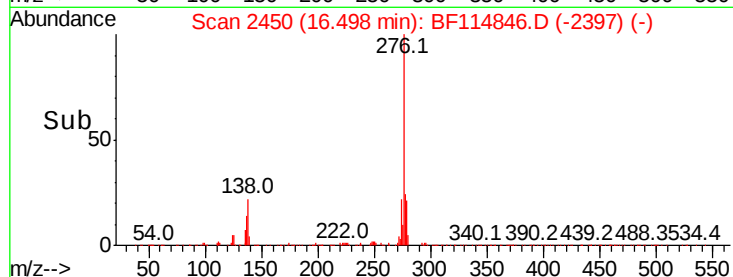
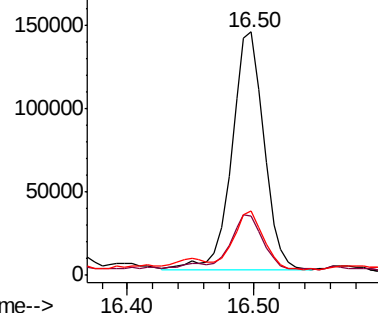
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.723 ng
RT: 16.50 min Scan# 2450
Delta R.T. 0.01 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	22.2	33.4
277	23.4	20.6	30.8

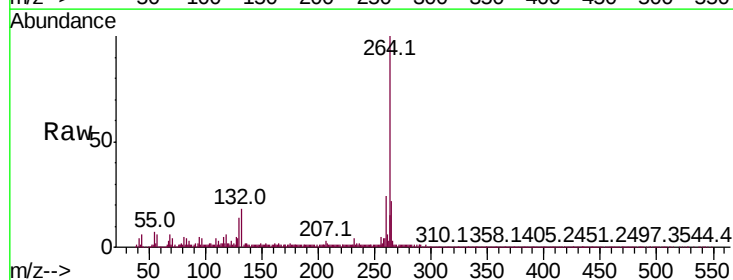


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

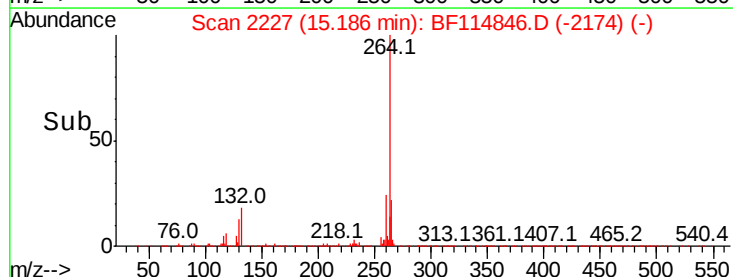
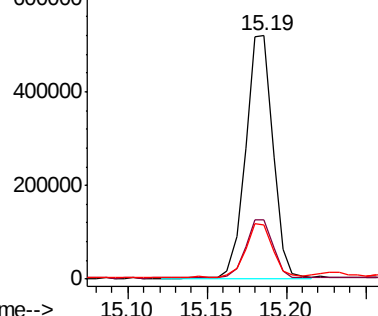


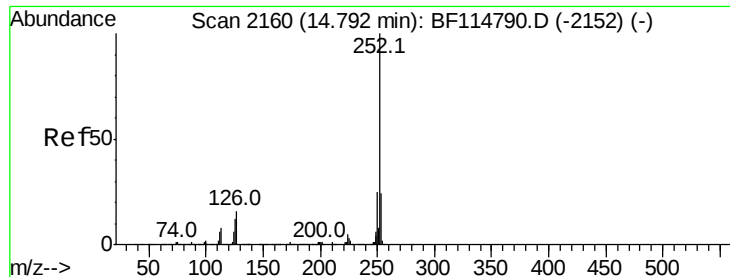
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	22.1	17.7	26.5



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

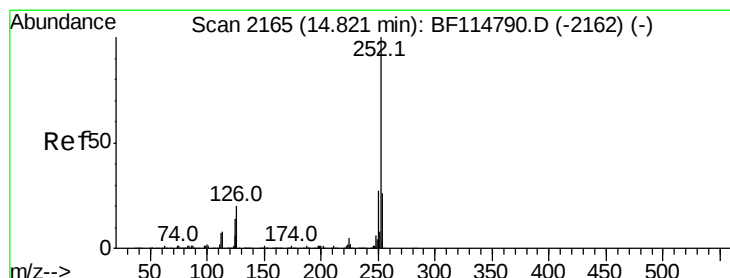
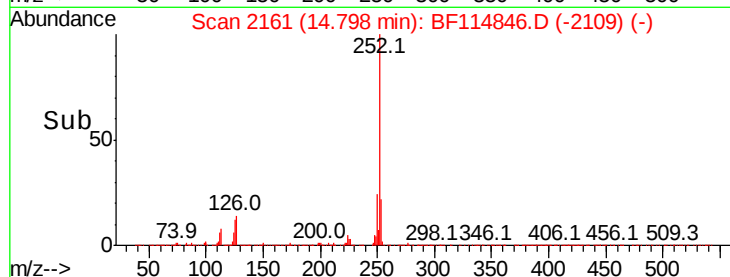
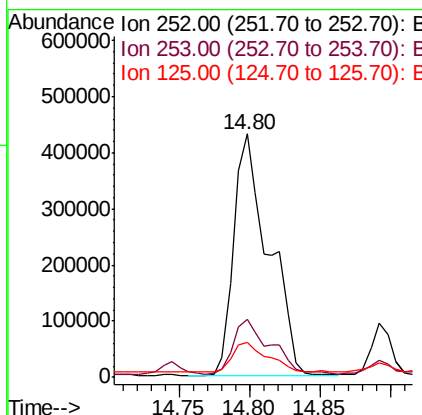
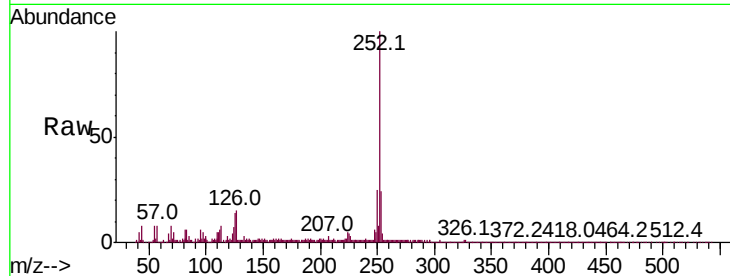




#88
Benzo(b)fluoranthene
Concen: 18.943 ng
RT: 14.80 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

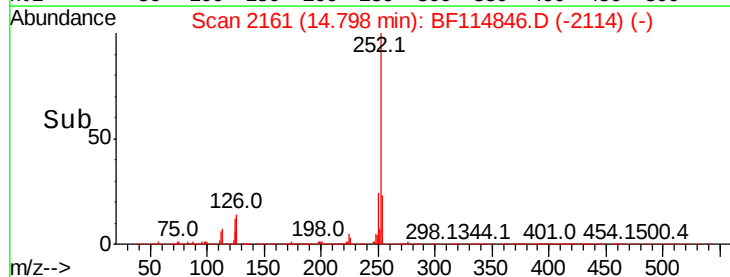
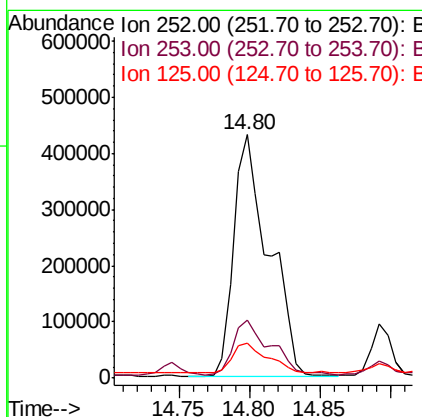
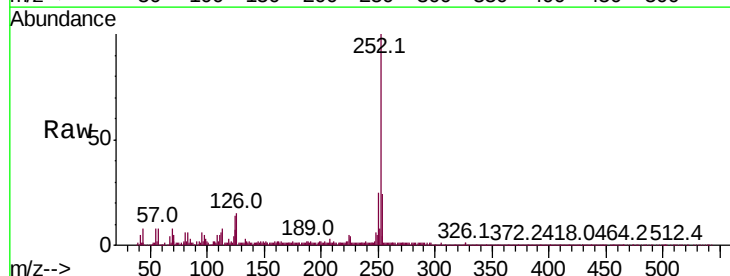
Instrument :
BNA_F
ClientSampled :

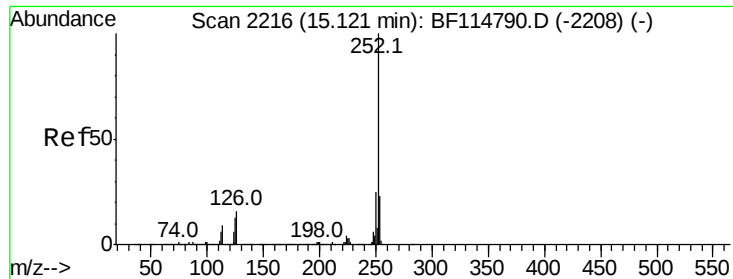
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	14.3	9.4	14.0



#89
Benzo(k)fluoranthene
Concen: 22.306 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF114846.D
Acq: 6 Jun 2019 3:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.3	28.9
125	14.3	10.1	15.1





#90

Benzo(a)pyrene

Concen: 11.442 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Instrument :

BNA_F

ClientSampleId :

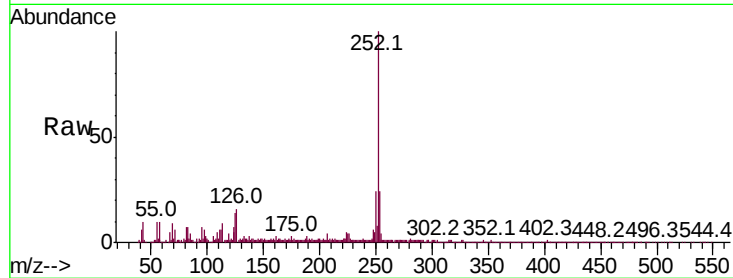
Tot Ion:252 Resp: 390409

Ion Ratio Lower Upper

252 100

253 23.9 18.5 27.7

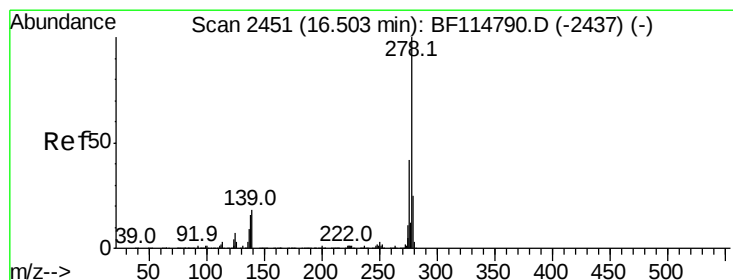
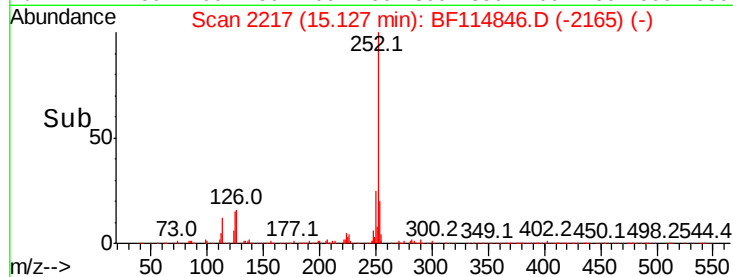
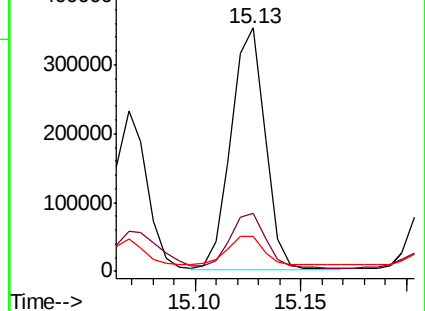
125 14.3 10.1 15.1



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



#91

Dibenzo(a,h)anthracene

Concen: 2.083 ng

RT: 16.50 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

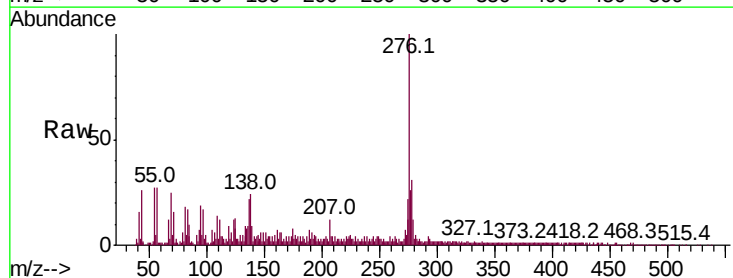
Tgt Ion:278 Resp: 67307

Ion Ratio Lower Upper

278 100

139 30.0 14.6 22.0#

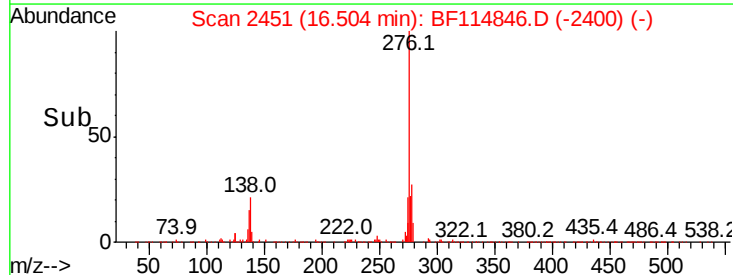
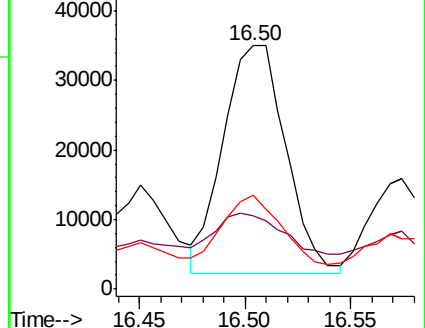
279 38.6 20.1 30.1#

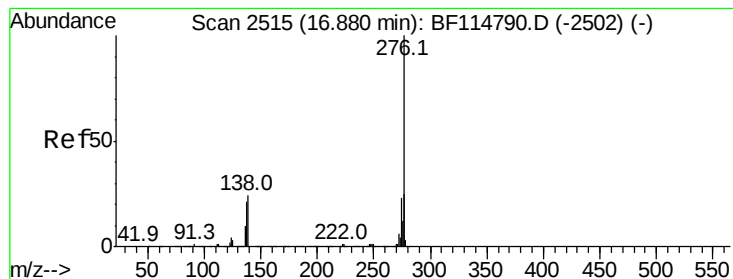


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 7.199 ng

RT: 16.89 min Scan# 2516

Delta R.T. 0.01 min

Lab File: BF114846.D

Acq: 6 Jun 2019 3:56

Instrument :

BNA_F

ClientSampleId :

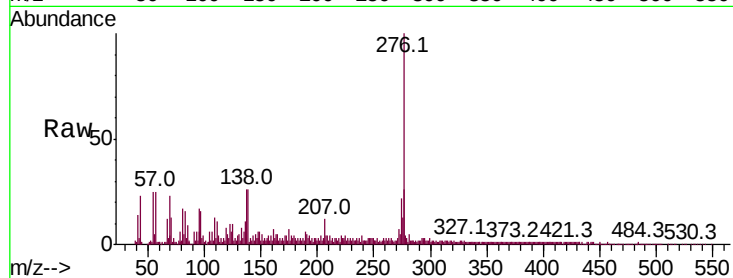
Tot Ion:276 Resp: 233939

Ion Ratio Lower Upper

276 100

277 25.6 19.8 29.6

138 26.3 19.4 29.2



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

