

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
 Data File : BF114062.D
 Acq On : 1 May 2019 12:09
 Operator : JU/SJ
 Sample : K2194-05 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 14:55:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	122879	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	469981	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	249113	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	413211	20.00	ng	0.00
76) Chrysene-d12	14.07	240	363086	20.00	ng	0.00
87) Perylene-d12	15.58	264	276847	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	313350	43.62	ng	0.00
7) Phenol-d6	6.52	99	442387	49.08	ng	0.00
23) Nitrobenzene-d5	7.45	82	261795	34.39	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	132934	43.80	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	509612	32.00	ng	0.00
79) Terphenyl-d14	13.01	244	608058	34.33	ng	0.00

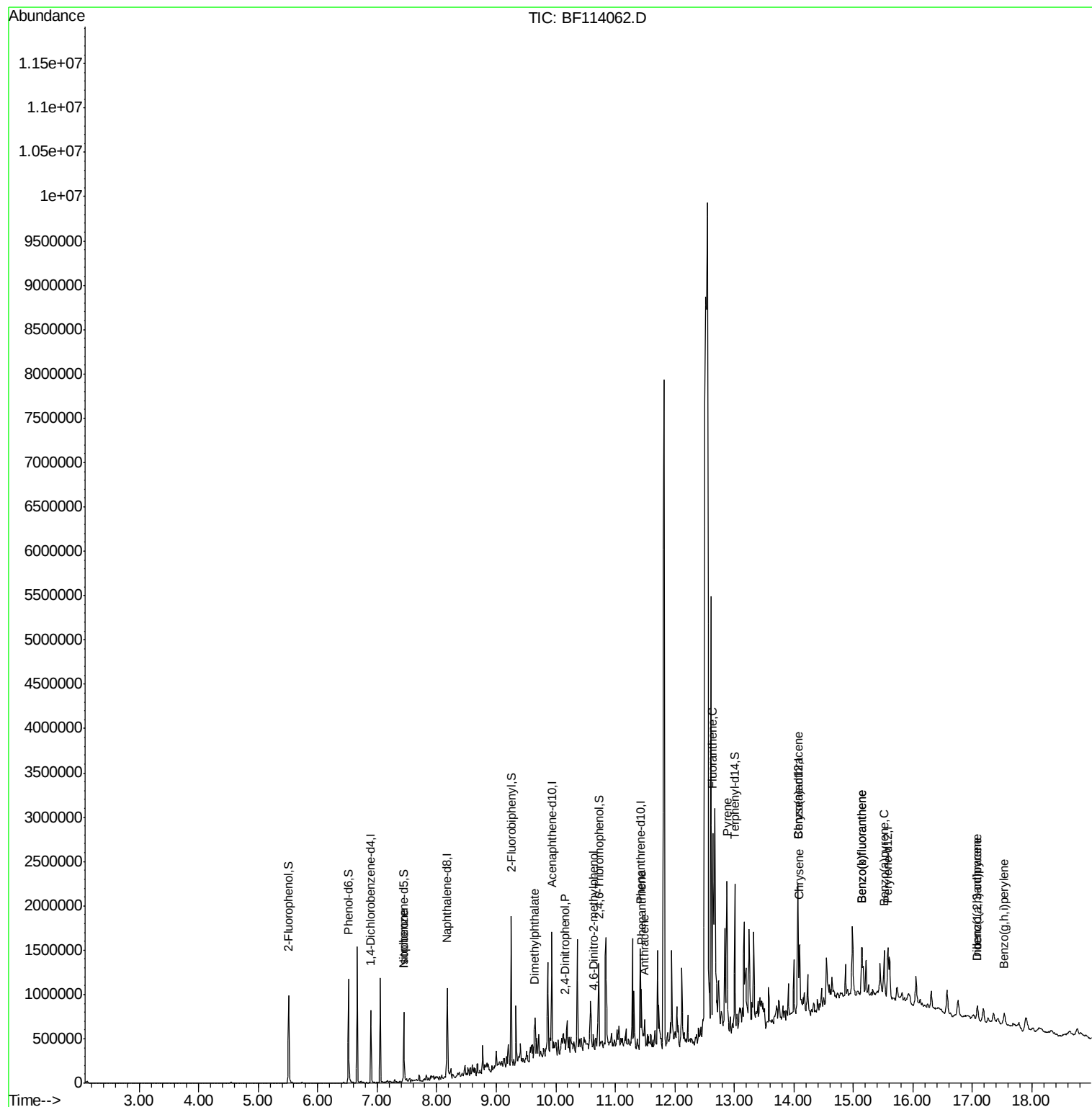
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	570	Below Cal	#	3
25) Isophorone	7.45	82	257626	16.541	ng	65
50) Dimethylphthalate	9.64	163	72573	4.028	ng	99
54) 2,4-Dinitrophenol	10.15	184	261	8.459	ng	61
65) 4,6-Dinitro-2-methylphenol	10.63	198	280	7.433	ng	1
71) Phenanthrene	11.45	178	248764	11.979	ng	98
72) Anthracene	11.49	178	108840	5.190	ng	97
75) Fluoranthene	12.64	202	650034	28.691	ng	98
78) Pyrene	12.87	202	706802	27.837	ng	99
81) Benzo(a)anthracene	14.06	228	381553	17.836	ng	96
83) Chrysene	14.10	228	335382	16.098	ng	97
86) Indeno(1,2,3-cd)pyrene	17.09	276	112454	5.698	ng	95
88) Benzo(b)fluoranthene	15.14	252	446426	25.487	ng	# 93
89) Benzo(k)fluoranthene	15.14	252	446426	29.630	ng	# 94
90) Benzo(a)pyrene	15.52	252	257813	17.017	ng	96
91) Dibenzo(a,h)anthracene	17.09	278	29314	2.061	ng	# 72
92) Benzo(a,h,i)perylene	17.54	276	109633	7.639	ng	96

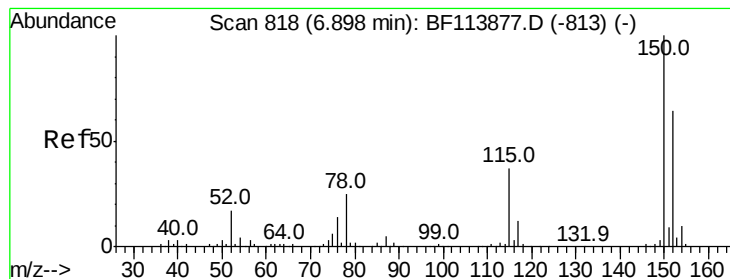
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
Data File : BF114062.D
Acq On : 1 May 2019 12:09
Operator : JU/SJ
Sample : K2194-05 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :

Quant Time: May 01 14:55:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration



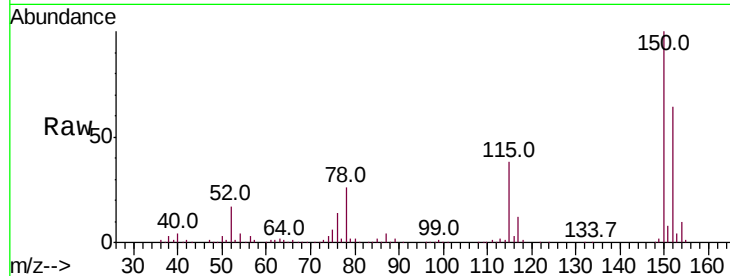


#1

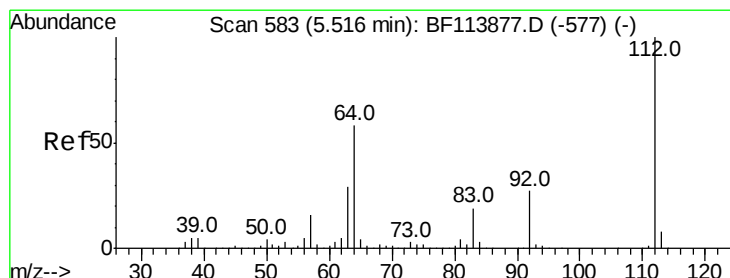
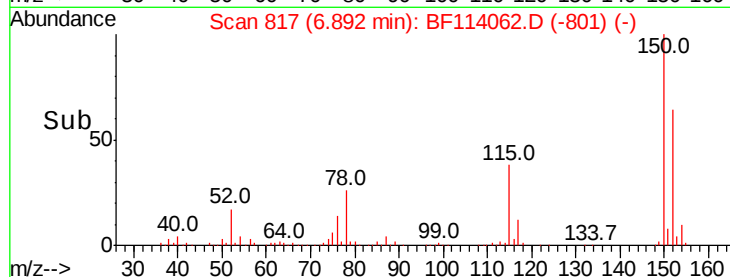
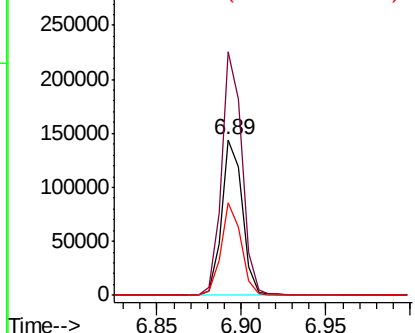
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122879
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 59.3 45.9 68.9



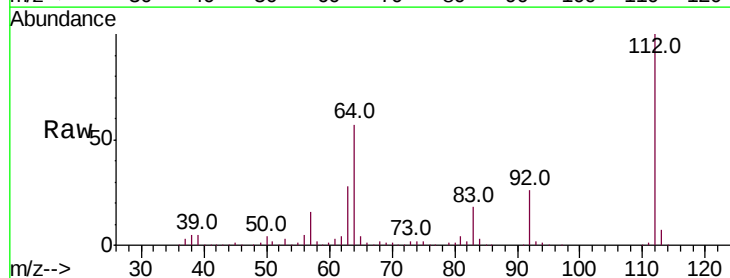
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



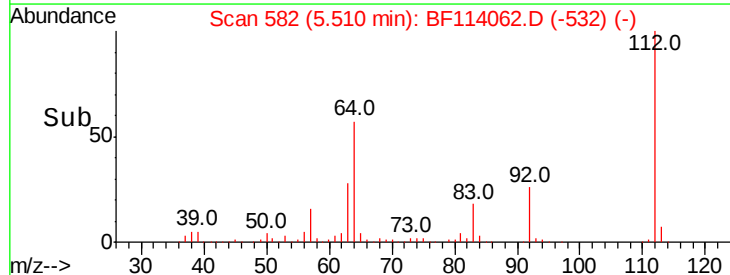
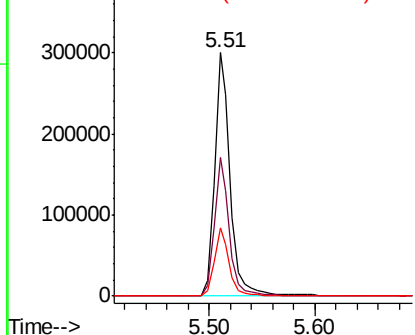
#5

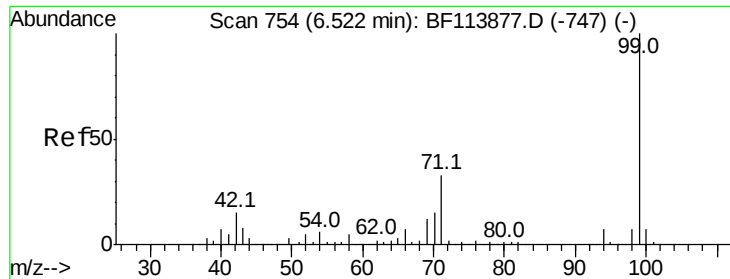
2-Fluorophenol
Concen: 43.615 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Tgt Ion:112 Resp: 313350
Ion Ratio Lower Upper
112 100
64 56.7 46.6 69.8
63 28.1 23.1 34.7



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: 49.079 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

Instrument :

BNA_F

ClientSampleId :

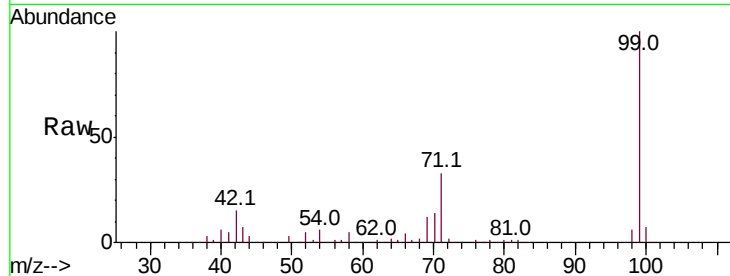
Tot Ion: 99 Resp: 442387

Ion Ratio Lower Upper

99 100

42 14.5 12.5 18.7

71 33.4 26.9 40.3

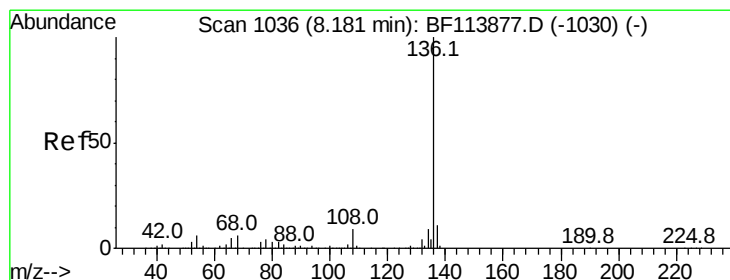
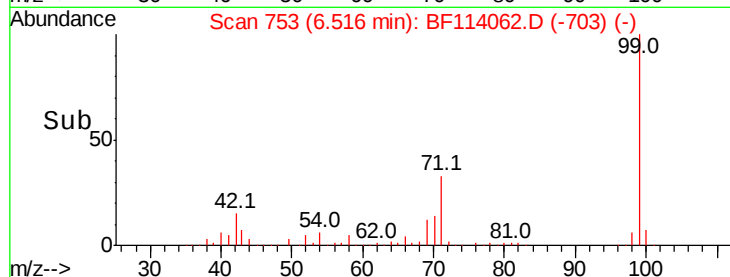
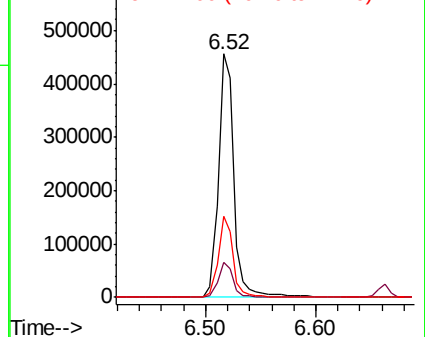


Abundance

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

Tgt Ion: 136 Resp: 469981

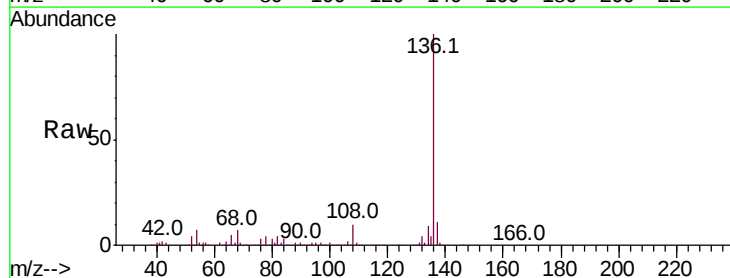
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 7.1 5.0 7.6

68 7.0 4.9 7.3



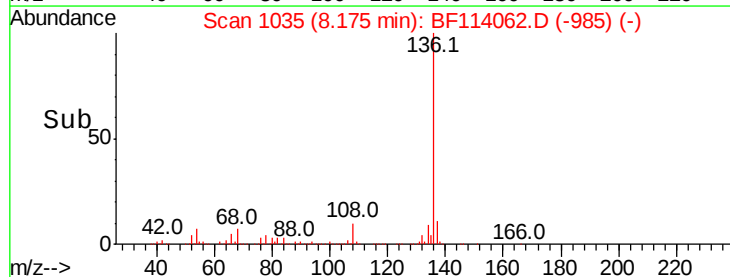
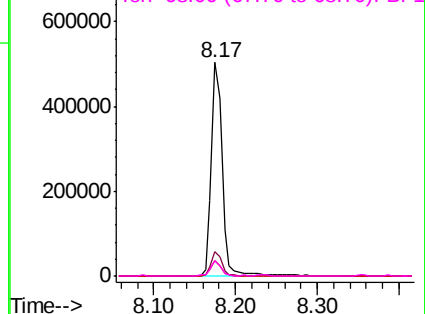
Abundance

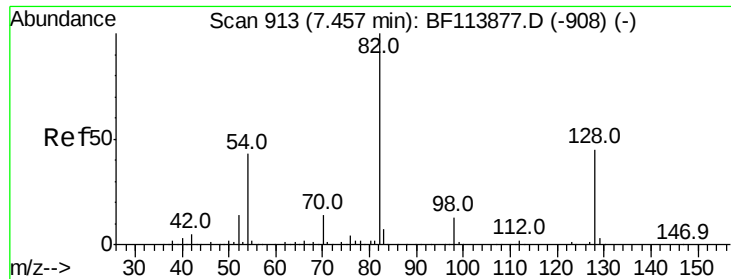
Ion 136.00 (135.70 to 136.70): E

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

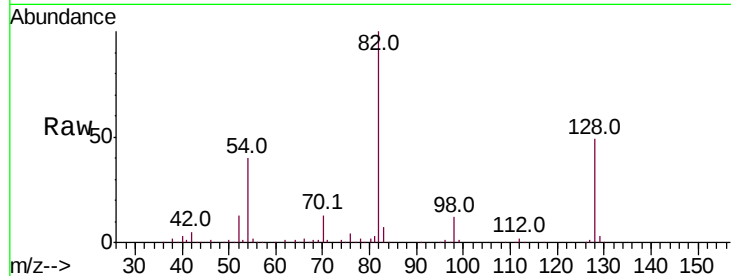




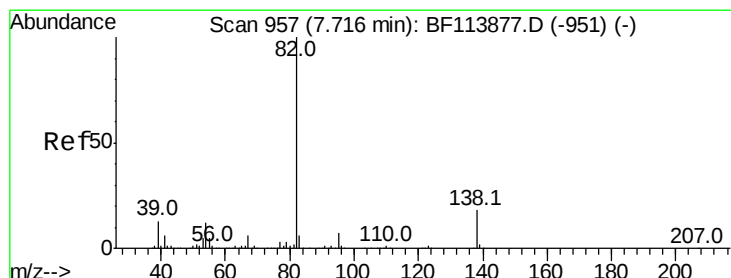
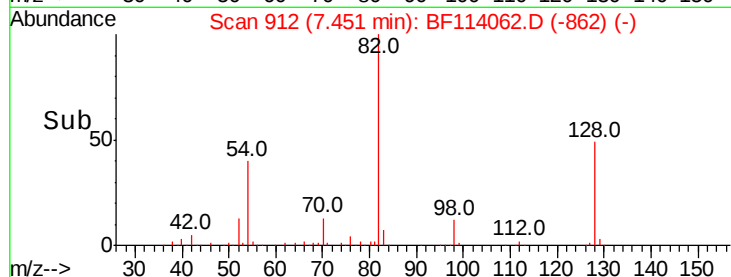
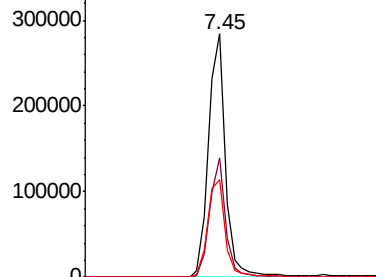
#23
Nitrobenzene-d5
Concen: 34.393 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	261795
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.8	55.2
54	40.0	33.8	50.6

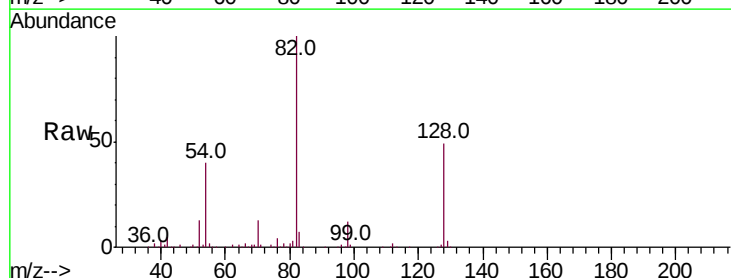


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

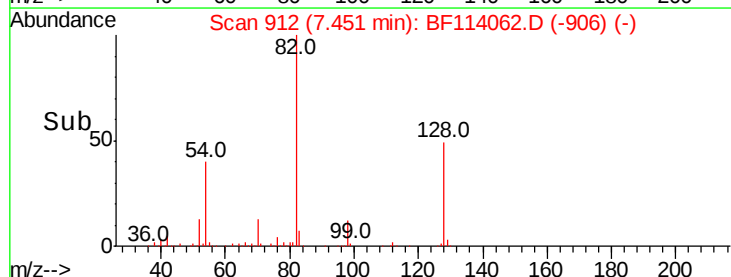
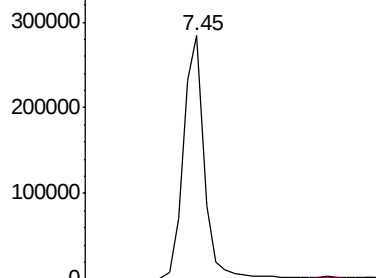


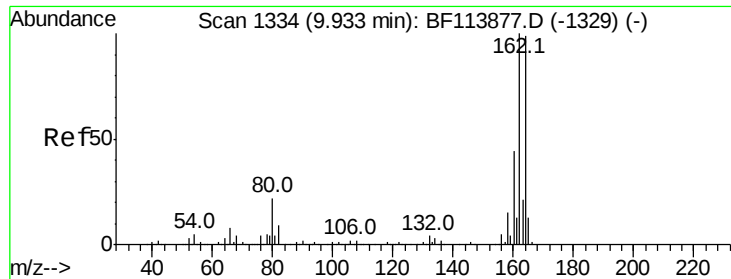
#25
Isophorone
Concen: 16.541 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Tgt Ion	82	Resp	257626
Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.4	8.2#
138	0.0	14.6	22.0#



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

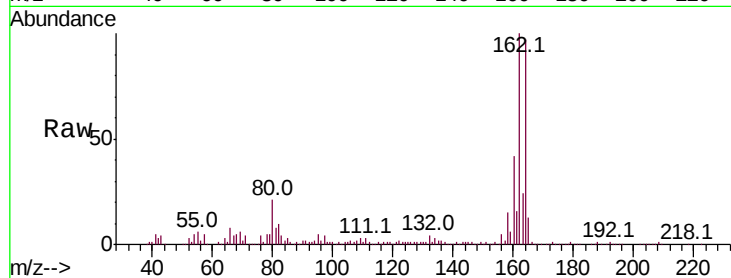




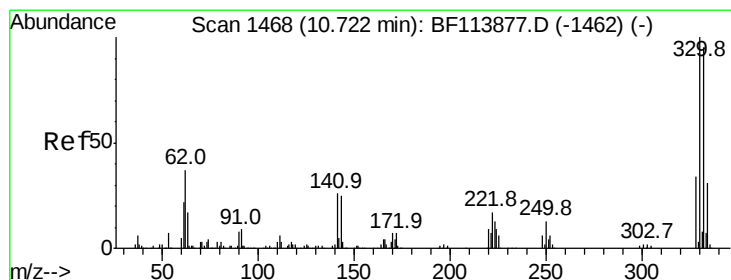
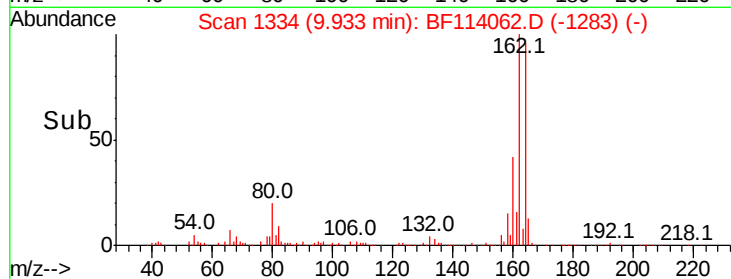
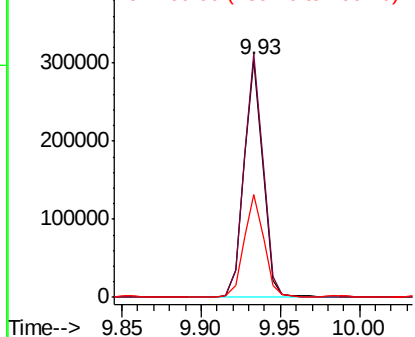
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF114062.D
 Acq: 1 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.1	121.7
160	43.5	35.8	53.6

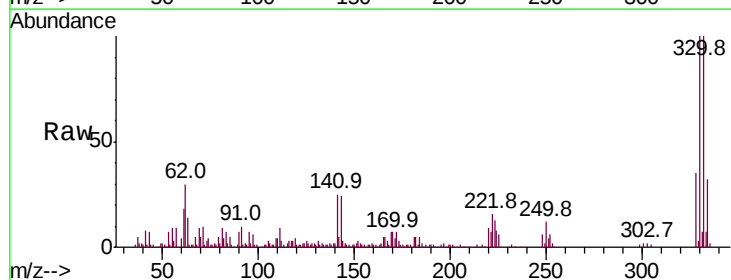


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

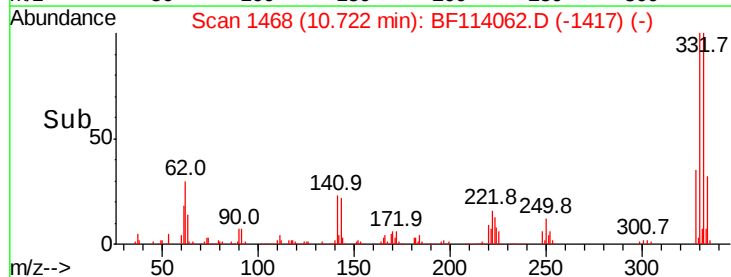
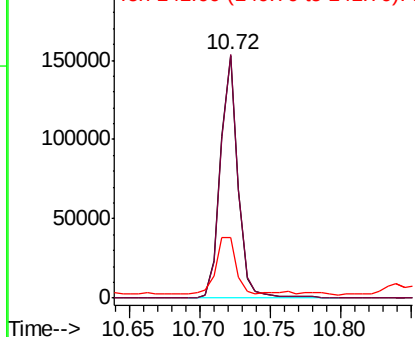


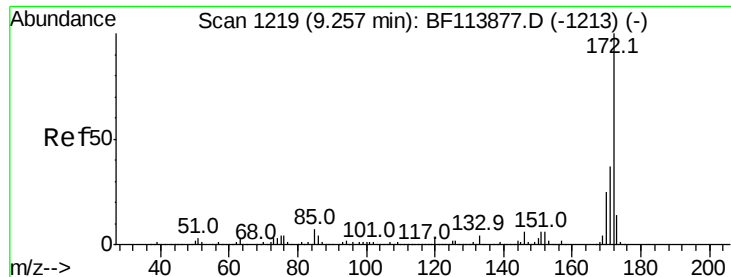
#42
 2,4,6-Tribromophenol
 Concen: 43.805 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF114062.D
 Acq: 1 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.5	116.3
141	26.3	22.2	33.2



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

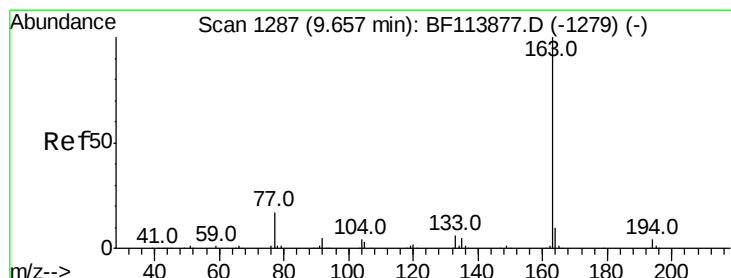
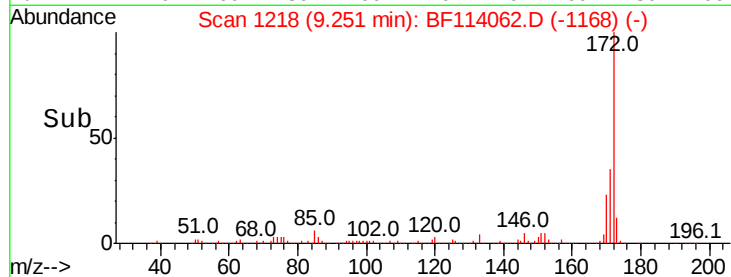
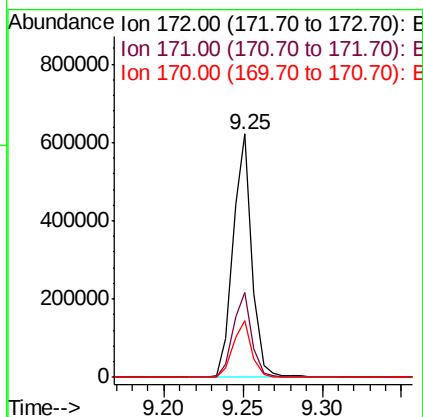
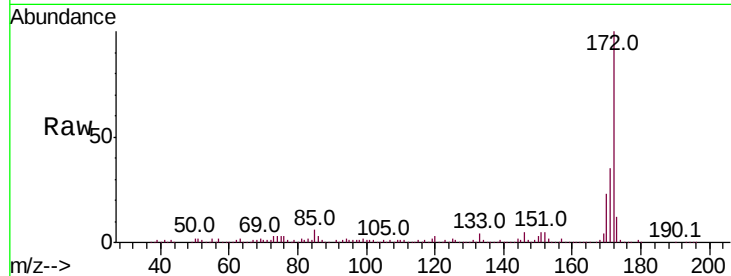




#45
2-Fluorobiphenyl
Concen: 31.995 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

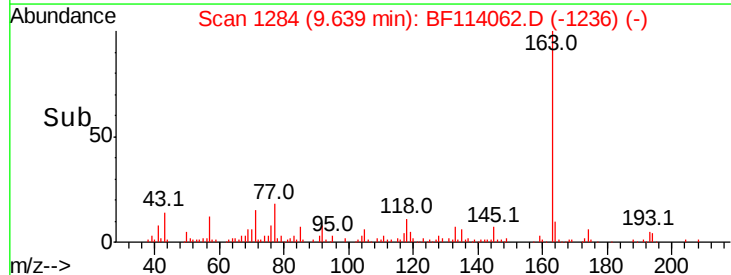
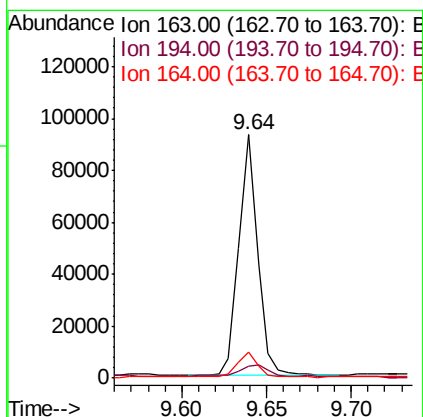
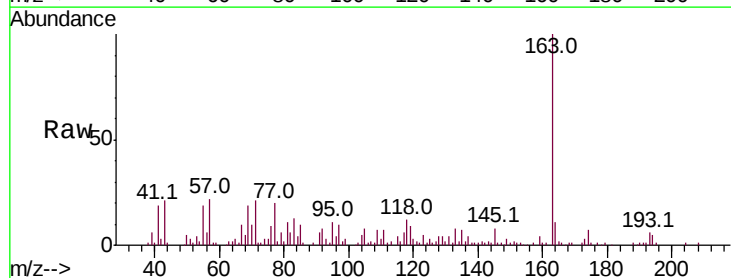
Instrument :
BNA_F
ClientSampleId :

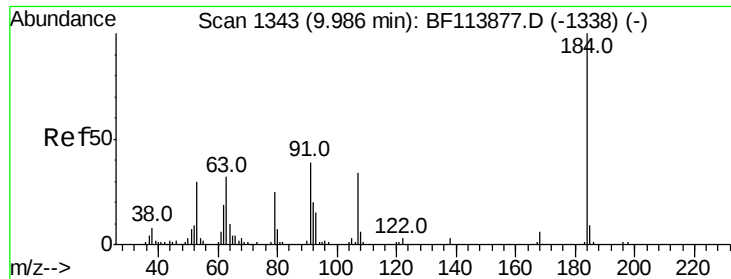
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.4	44.0
170	23.3	19.9	29.9



#50
Dimethylphthalate
Concen: 4.028 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.4	5.2
164	10.5	8.5	12.7

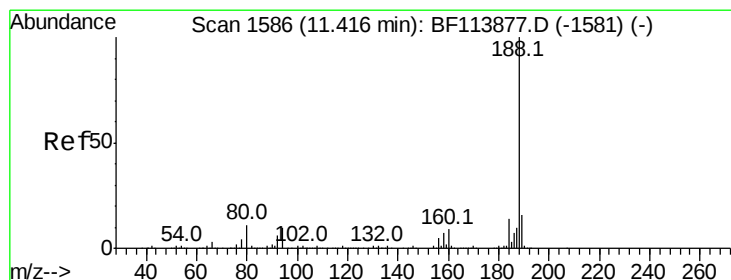
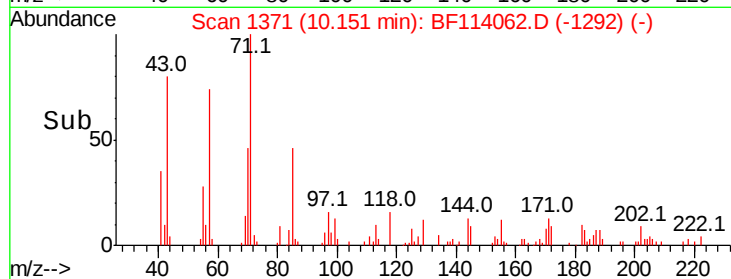
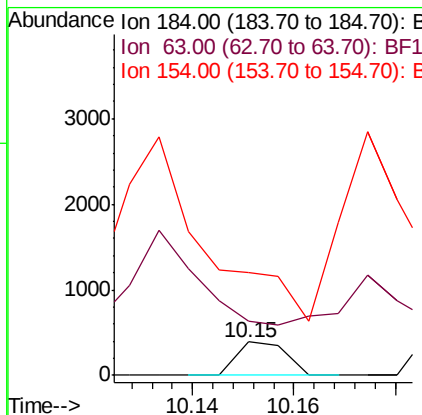
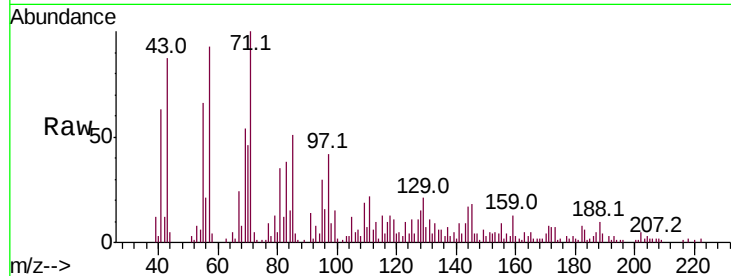




#54
 2,4-Dinitrophenol
 Concen: 8.459 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. 0.17 min
 Lab File: BF114062.D
 Acq: 1 May 2019 12:09

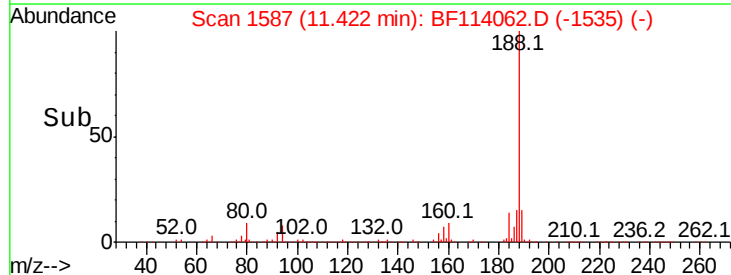
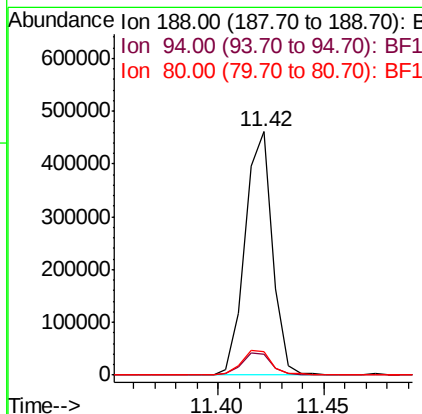
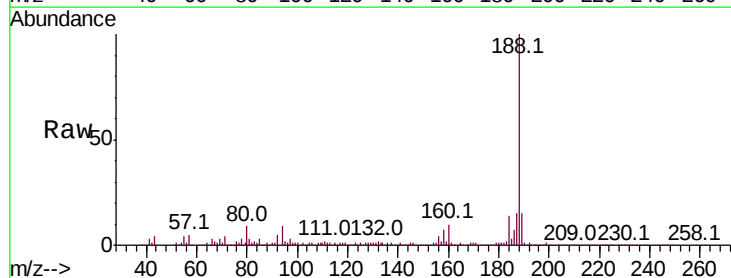
Instrument :
 BNA_F
 ClientSampleId :

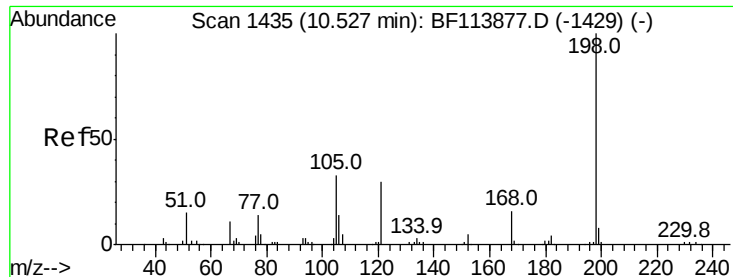
Tot Ion:184 Resp: 261
 Ion Ratio Lower Upper
 184 100
 63 163.8 54.6 81.8#
 154 308.7 218.6 328.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF114062.D
 Acq: 1 May 2019 12:09

Tgt Ion:188 Resp: 413211
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.2 12.4
 80 9.4 9.0 13.6

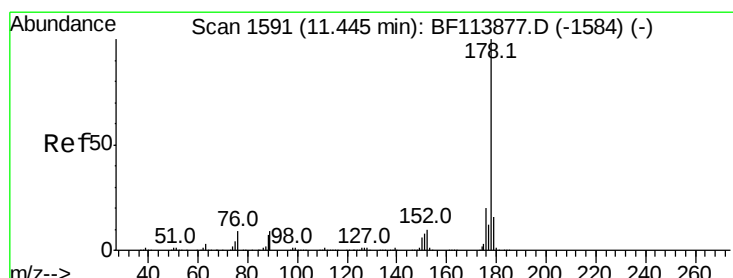
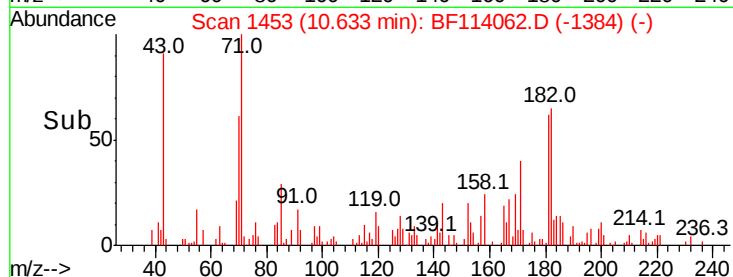
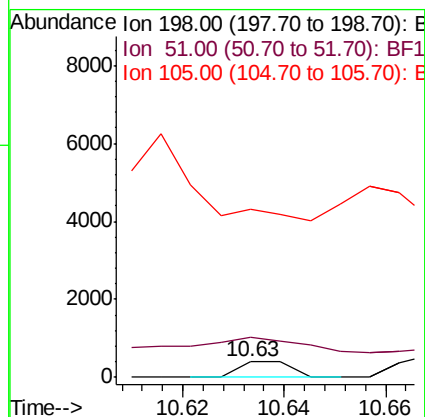
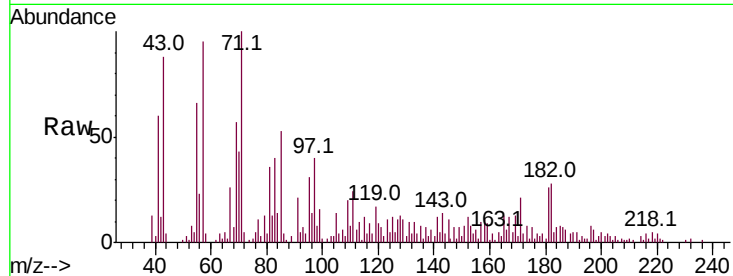




#65
4,6-Dinitro-2-methylphenol
Concen: 7.433 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.11 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

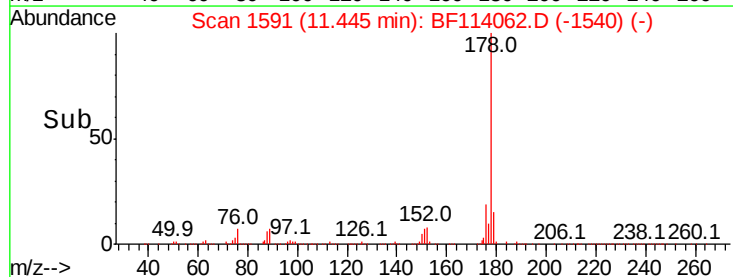
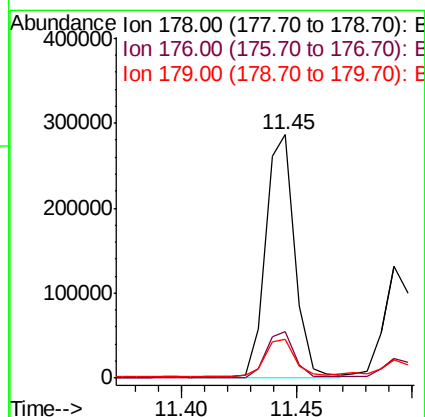
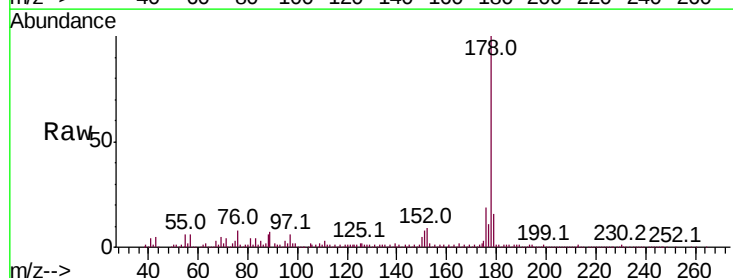
Instrument :
BNA_F
ClientSampleId :

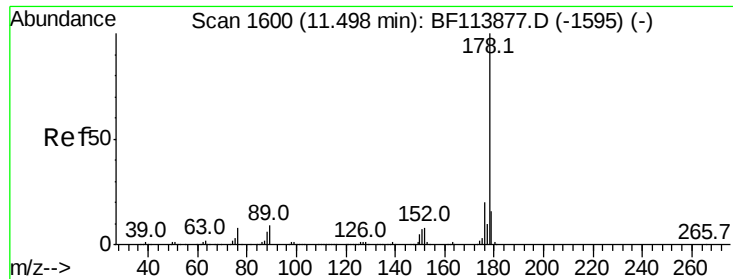
Tot Ion:198 Resp: 280
Ion Ratio Lower Upper
198 100
51 256.3 11.1 51.1#
105 1071.5 20.7 60.7#



#71
Phenanthrene
Concen: 11.979 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Tgt Ion:178 Resp: 248764
Ion Ratio Lower Upper
178 100
176 19.0 16.1 24.1
179 15.9 12.8 19.2





#72

Anthracene

Concen: 5.190 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

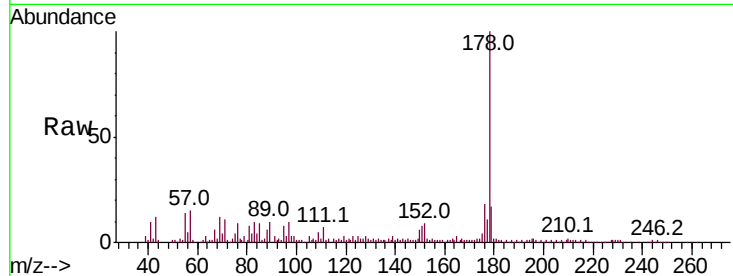
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 108840

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.7	23.5
179	17.0	13.0	19.4

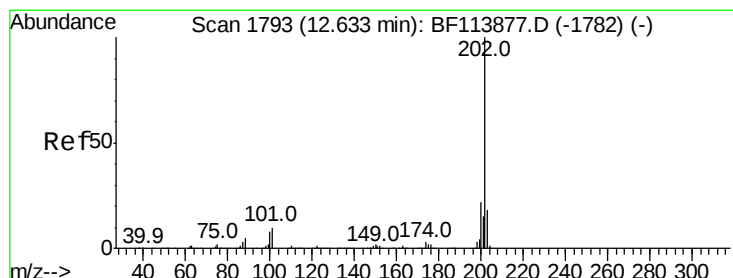
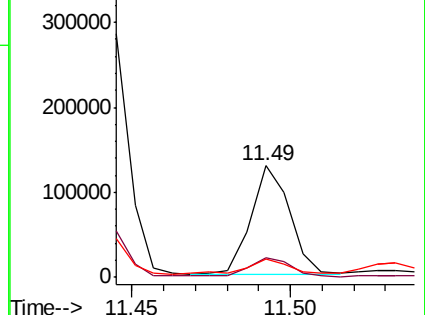
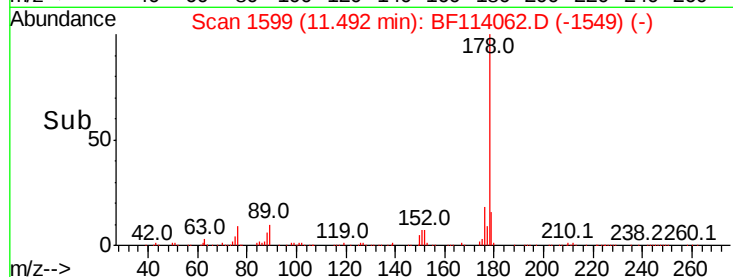


Abundance

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: 28.691 ng

RT: 12.64 min Scan# 1794

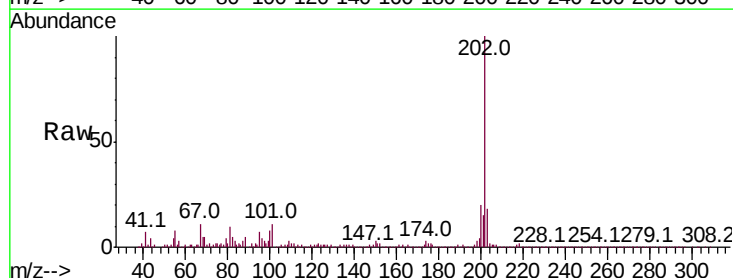
Delta R.T. 0.01 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

Tgt Ion:202 Resp: 650034

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.9
203	17.9	0.0	38.2

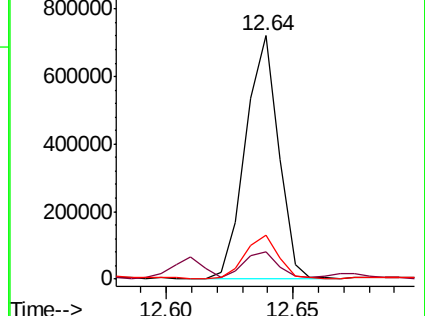
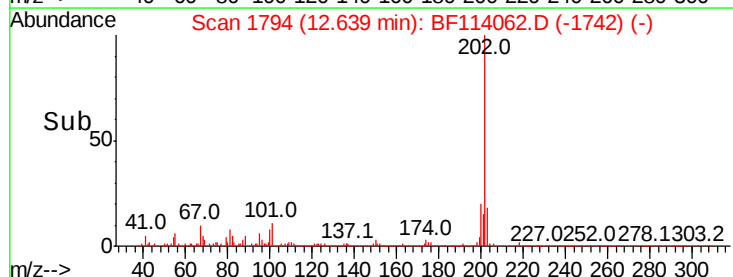


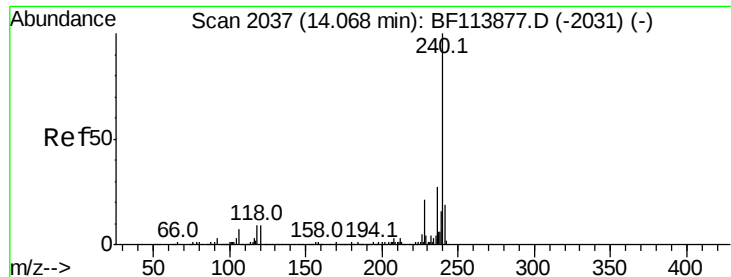
Abundance

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

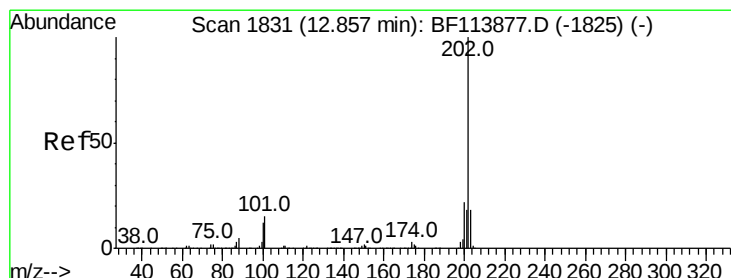
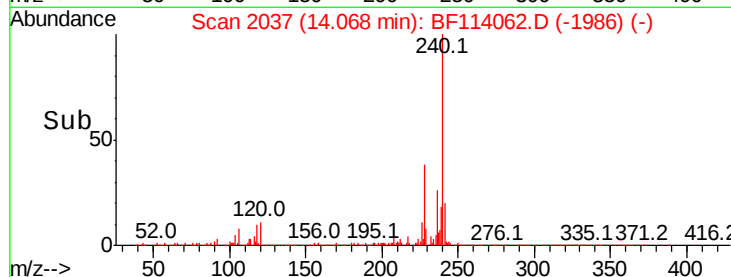
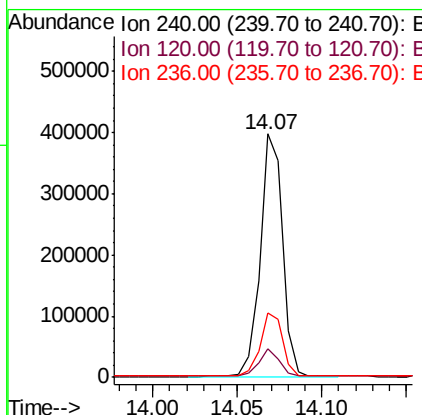
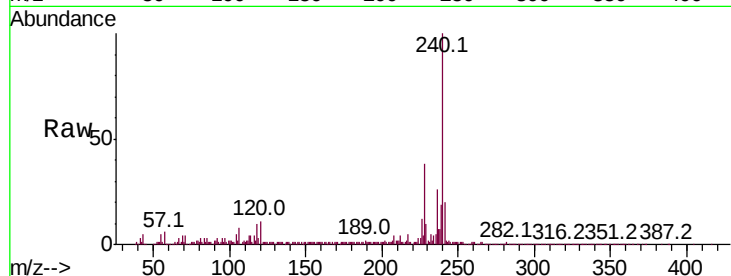




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

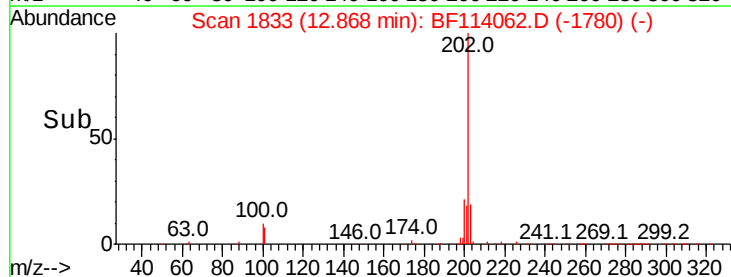
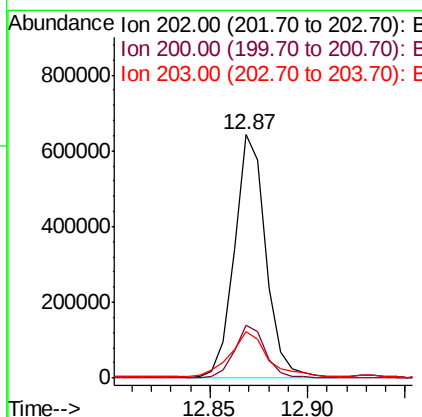
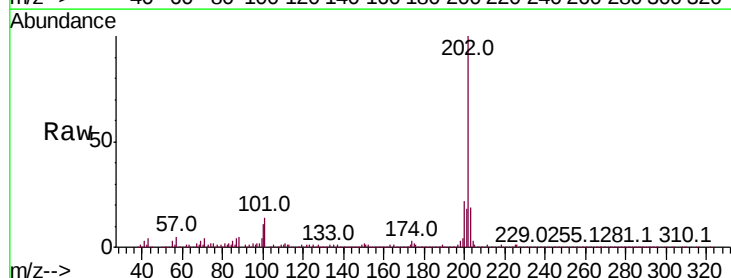
Instrument :
BNA_F
ClientSampleId :

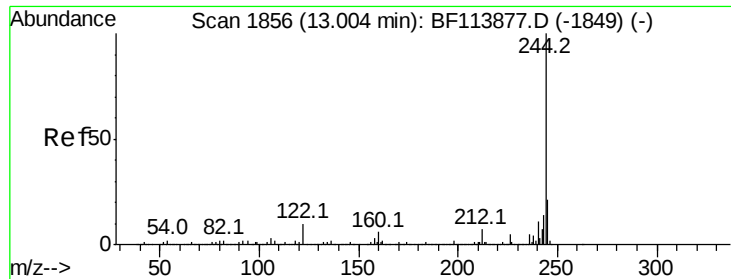
Tot Ion:240 Resp: 363086
Ion Ratio Lower Upper
240 100
120 11.5 9.3 13.9
236 26.3 21.2 31.8



#78
Pyrene
Concen: 27.837 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Tgt Ion:202 Resp: 706802
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 19.3 15.0 22.6





#79

Terphenyl-d14

Concen: 34.333 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

Instrument :

BNA_F

ClientSampleId :

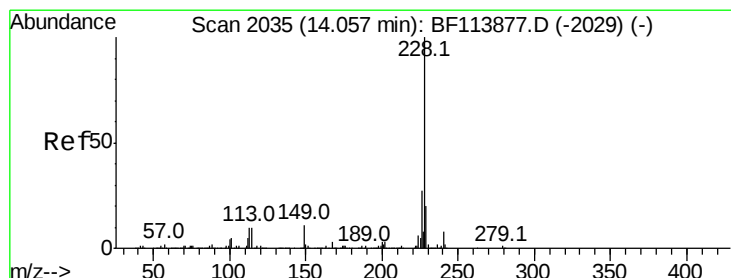
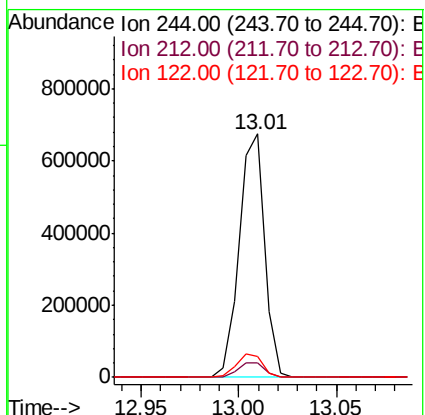
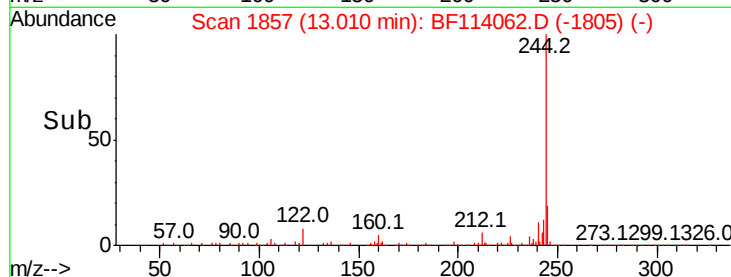
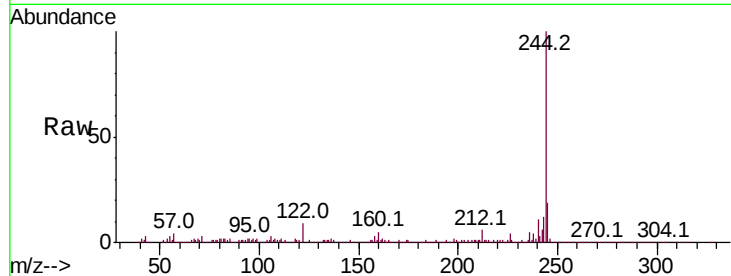
Tot Ion:244 Resp: 608058

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

122 8.6 7.6 11.4



#81

Benzo(a)anthracene

Concen: 17.836 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

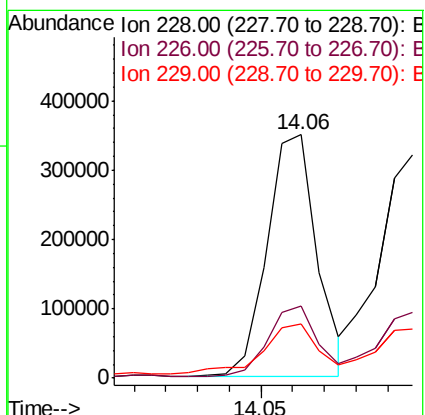
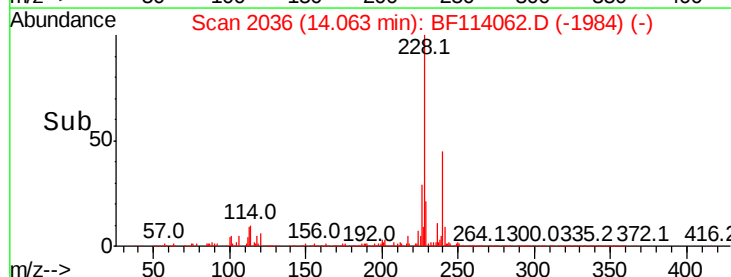
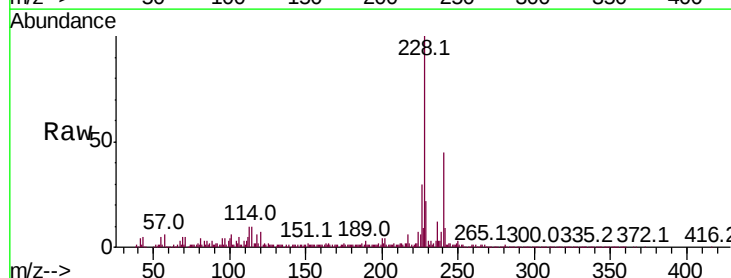
Tgt Ion:228 Resp: 381553

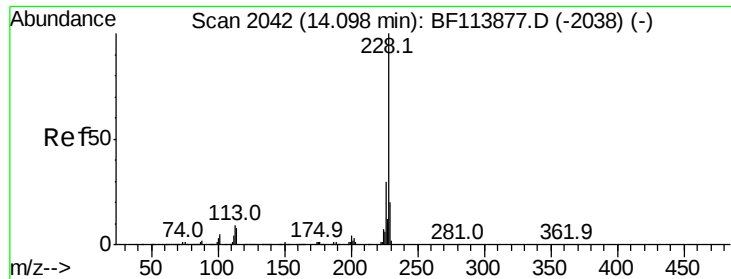
Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.2

229 22.1 16.0 24.0





#83

Chrysene

Concen: 16.098 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

Instrument :

BNA_F

ClientSampleId :

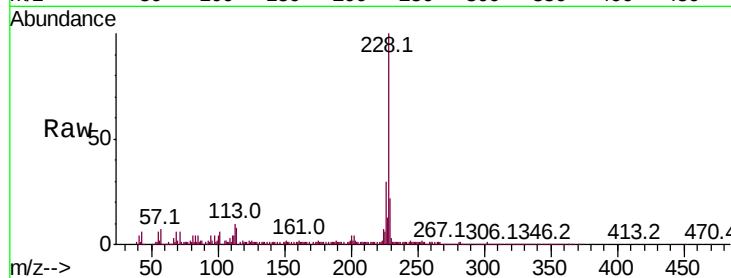
Tot Ion:228 Resp: 335382

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

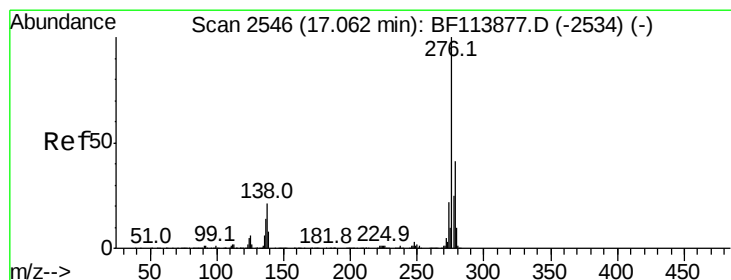
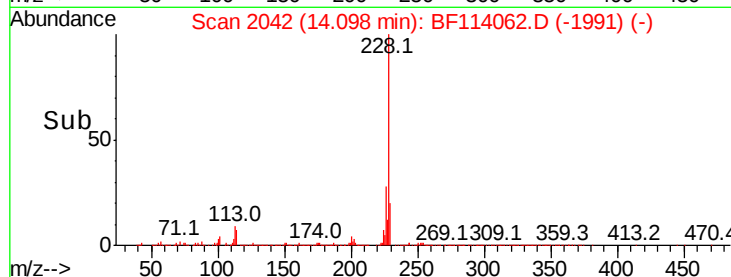
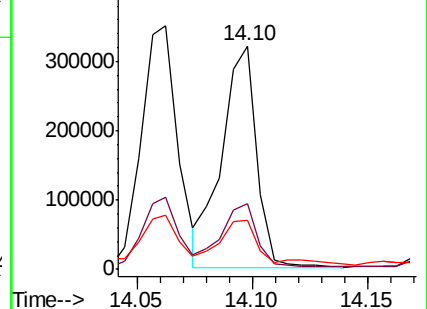
229 22.1 16.7 25.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.698 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.02 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

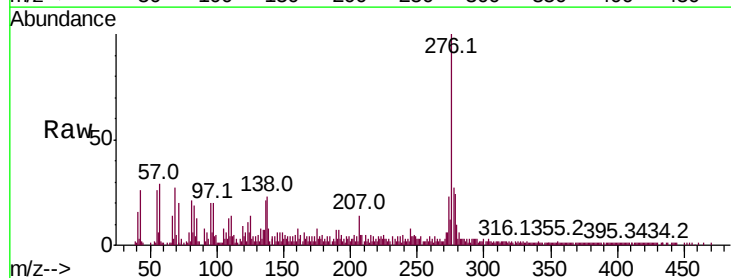
Tgt Ion:276 Resp: 112454

Ion Ratio Lower Upper

276 100

138 19.9 19.6 29.4

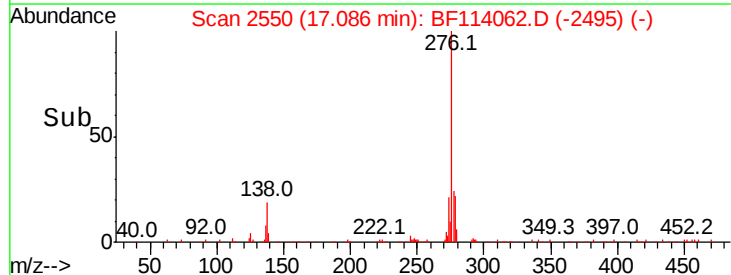
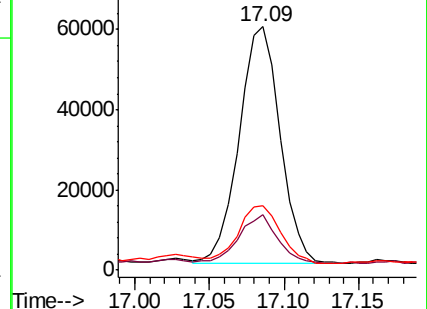
277 25.6 20.2 30.4

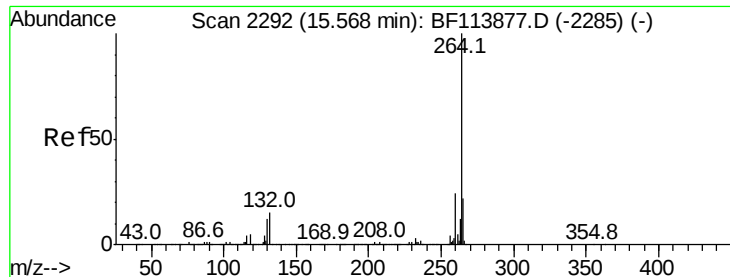


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

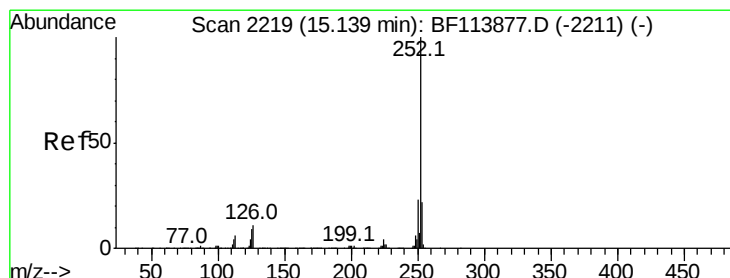
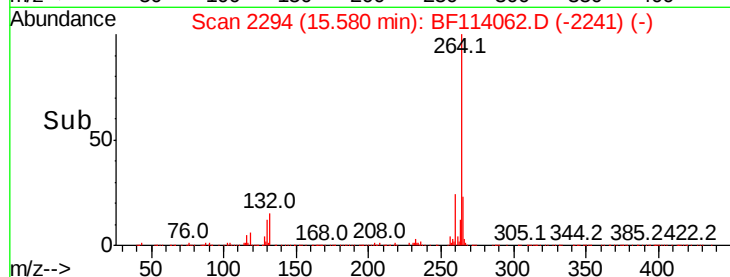
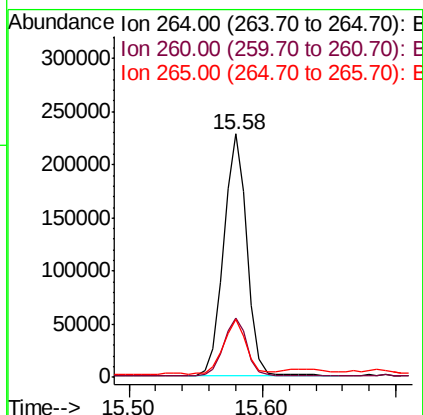
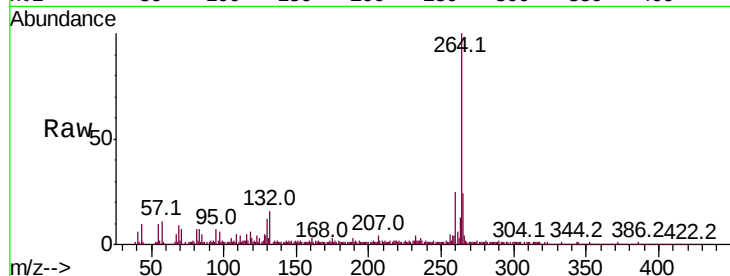




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

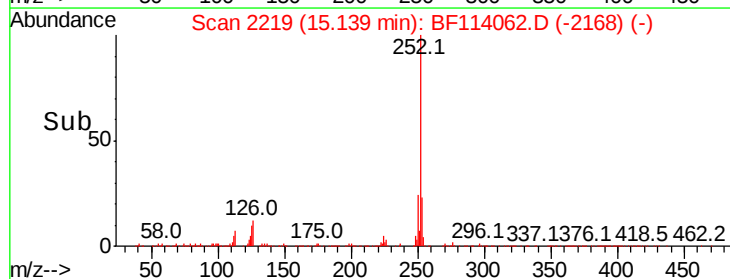
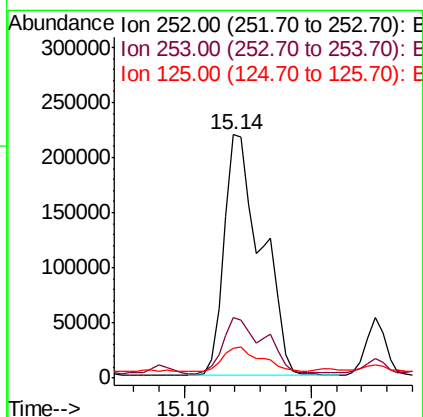
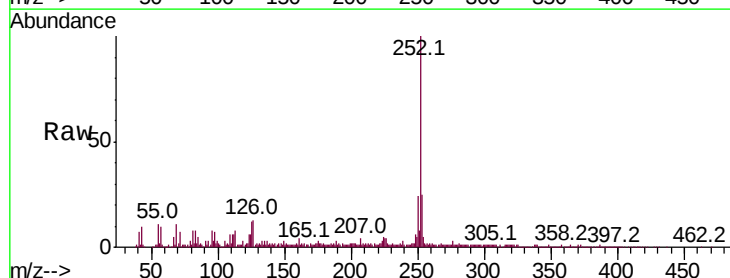
Instrument :
BNA_F
ClientSampleId :

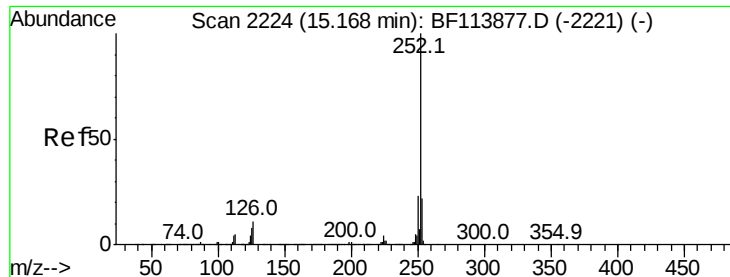
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.9	28.3
265	23.7	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 25.487 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	12.3	7.0	10.6

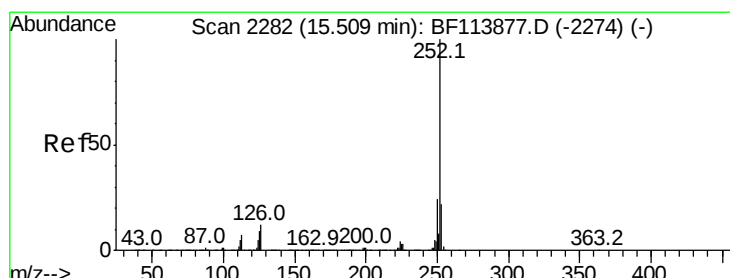
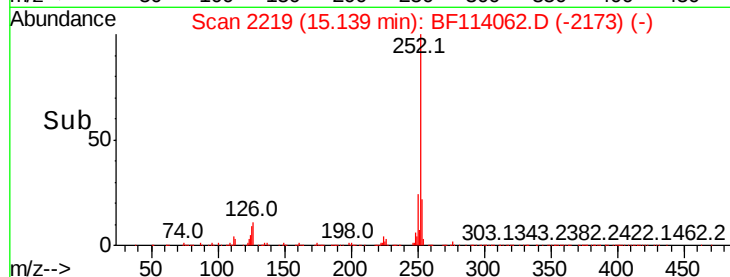
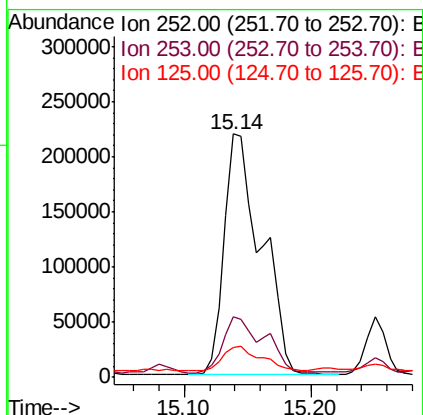
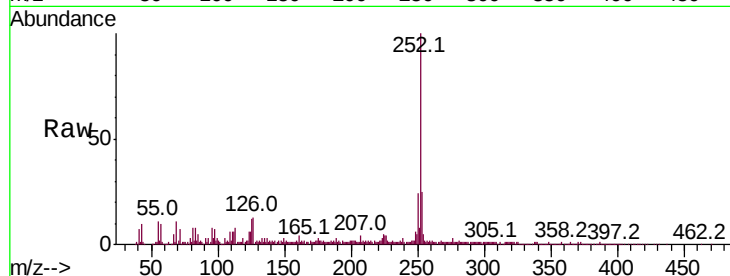




#89
Benzo(k)fluoranthene
Concen: 29.630 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

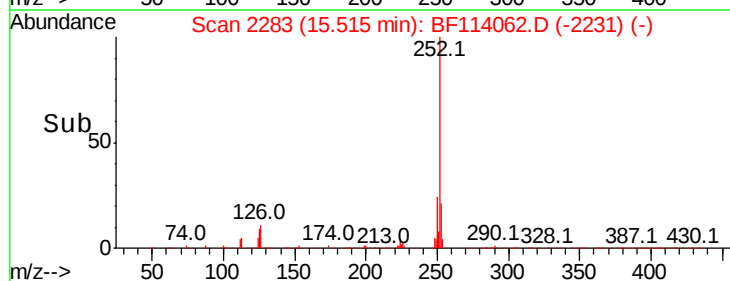
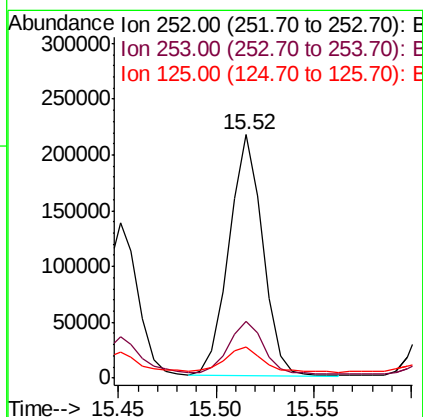
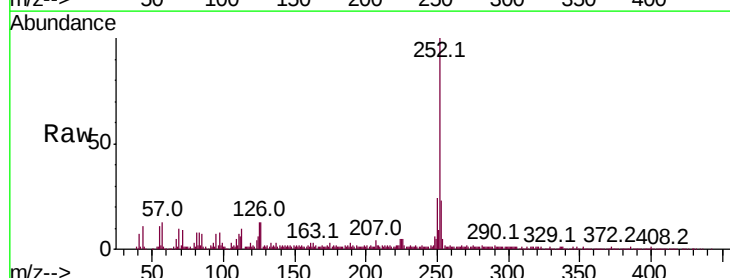
Instrument :
BNA_F
ClientSampled :

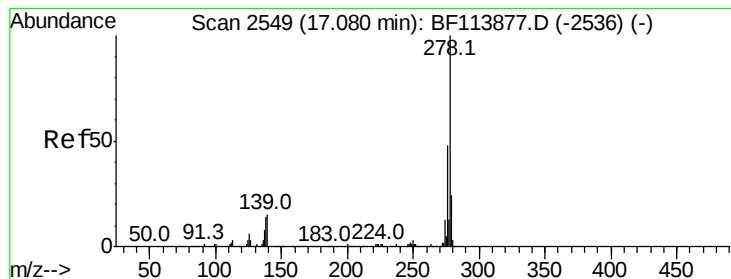
Tot Ion:252 Resp: 446426
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 12.3 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 17.017 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF114062.D
Acq: 1 May 2019 12:09

Tgt Ion:252 Resp: 257813
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.7 8.5 12.7





#91

Dibenzo(a,h)anthracene

Concen: 2.061 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

Instrument :

BNA_F

ClientSampleId :

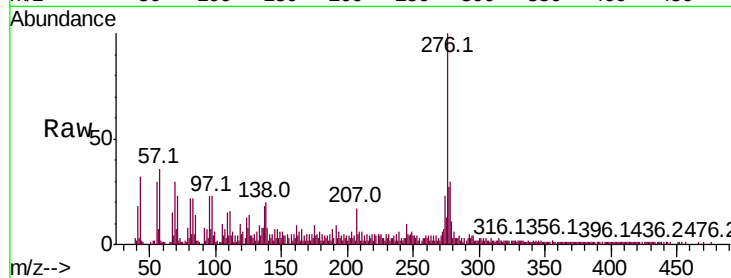
Tot Ion:278 Resp: 29314

Ion Ratio Lower Upper

278 100

139 28.2 11.6 17.4#

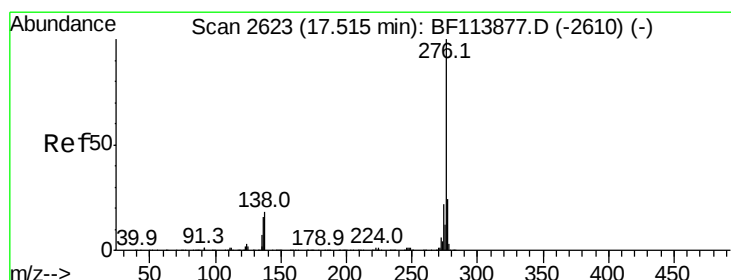
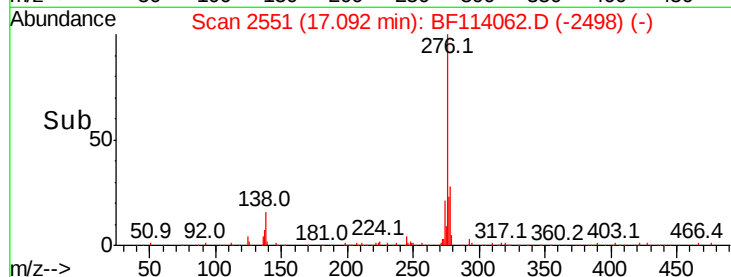
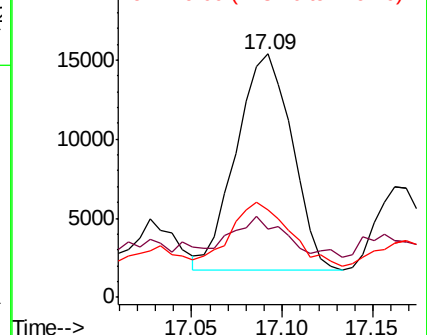
279 36.0 19.0 28.6#



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(g,h,i)perylene

Concen: 7.639 ng

RT: 17.54 min Scan# 2627

Delta R.T. 0.02 min

Lab File: BF114062.D

Acq: 1 May 2019 12:09

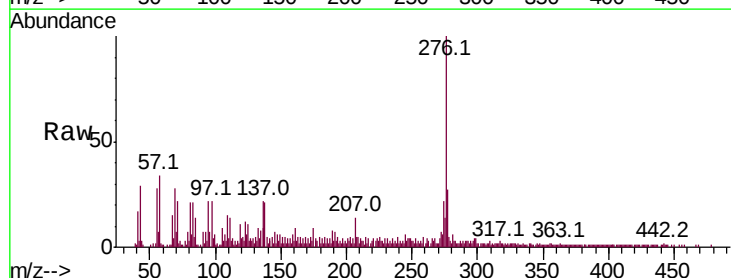
Tgt Ion:276 Resp: 109633

Ion Ratio Lower Upper

276 100

277 27.3 19.0 28.4

138 20.8 16.6 25.0



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

