

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112091.D
 Acq On : 17 Jan 2019 16:05
 Operator : JU/SJ
 Sample : K1167-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLOVER-YARD-A

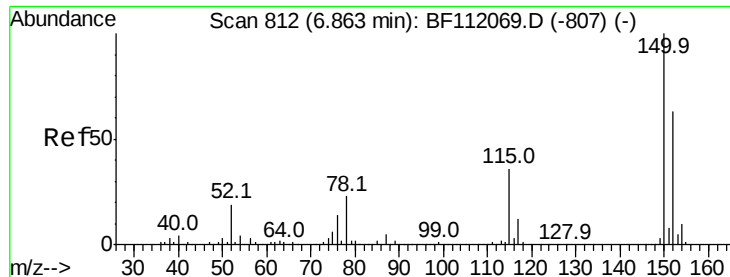
Quant Time: Jan 18 00:08:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	338721	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1225811	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	567985	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	922127	20.00	ng	0.00
76) Chrysene-d12	14.03	240	748514	20.00	ng	0.00
87) Perylene-d12	15.50	264	634874	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	2300918	123.29	ng	0.01
7) Phenol-d6	6.51	99	2906951	124.50	ng	0.00
23) Nitrobenzene-d5	7.42	82	1771000	99.82	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	679322	110.87	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2614853	67.50	ng	0.00
79) Terphenyl-d14	12.97	244	2250302	63.96	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	10159	Below Cal		# 1
10) Phenol	6.52	94	181100	7.097	ng	# 73
19) n-Nitroso-di-n-propylamine	7.42	70	262411	18.448	ng	# 78
25) Isophorone	7.42	82	1753614	51.170	ng	# 64
26) 2-Nitrophenol	7.76	139	2564	5.915	ng	# 1
31) Naphthalene	8.16	128	283042	5.077	ng	# 99
32) Benzoic acid	7.94	122	2253	7.508	ng	# 1
37) 2-Methylnaphthalene	8.86	142	120397	3.180	ng	# 92
49) Acenaphthylene	9.76	152	407140	7.505	ng	# 99
50) Dimethylphthalate	9.61	163	286255	6.911	ng	# 91
54) 2,4-Dinitrophenol	9.97	184	361	7.955	ng	# 1
56) 4-Nitrophenol	10.01	139	3129	6.095	ng	# 1
57) 2,4-Dinitrotoluene	10.06	165	5260	5.030	ng	# 68
65) 4,6-Dinitro-2-methylphenol	10.53	198	1935	10.467	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	40728	3.802	ng	# 1
70) Pentachlorophenol	11.22	266	108	6.123	ng	# 18
71) Phenanthrene	11.41	178	170647	3.677	ng	# 97
75) Fluoranthene	12.60	202	201461	4.112	ng	# 99
78) Pyrene	12.83	202	317585	6.431	ng	# 99
81) Benzo(a)anthracene	14.05	228	197641	4.605	ng	# 96
83) Chrysene	14.05	228	197641	4.867	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.98	276	125024	3.337	ng	# 97
88) Benzo(b)fluoranthene	15.07	252	391014	10.850	ng	# 97
89) Benzo(k)fluoranthene	15.07	252	391014	11.210	ng	# 97
90) Benzo(a)pyrene	15.44	252	153236	4.637	ng	# 98
92) Benzo(g,h,i)perylene	17.43	276	112008	3.873	ng	# 97

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

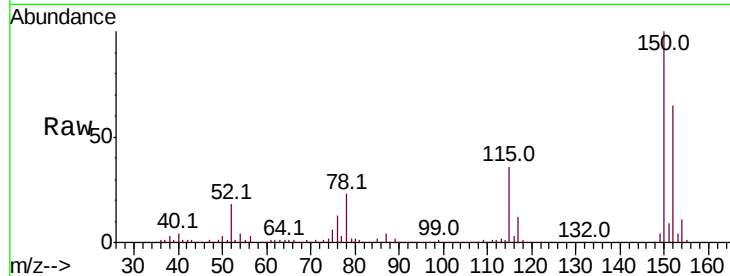


#1

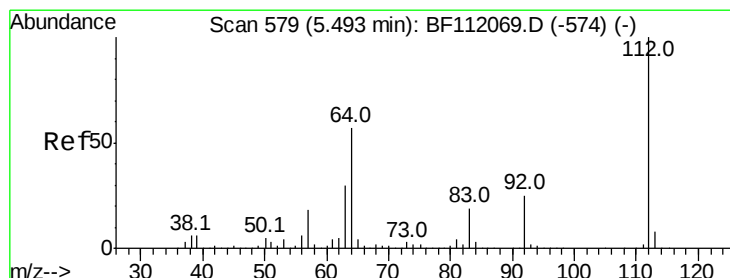
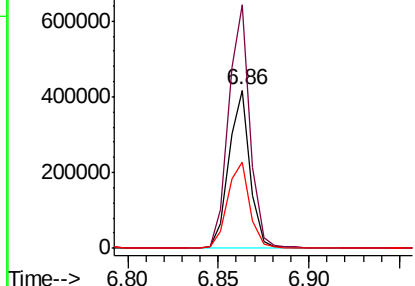
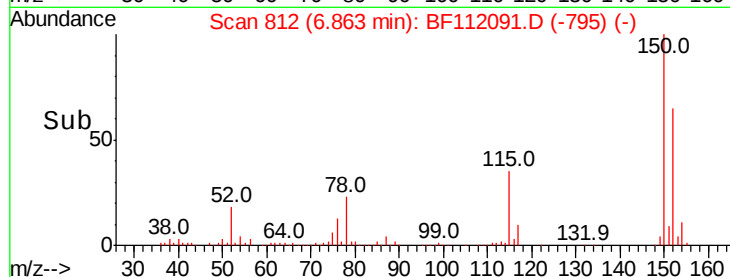
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

Tot Ion:152 Resp: 338721
Ion Ratio Lower Upper
152 100
150 153.7 127.4 191.0
115 54.7 45.5 68.3



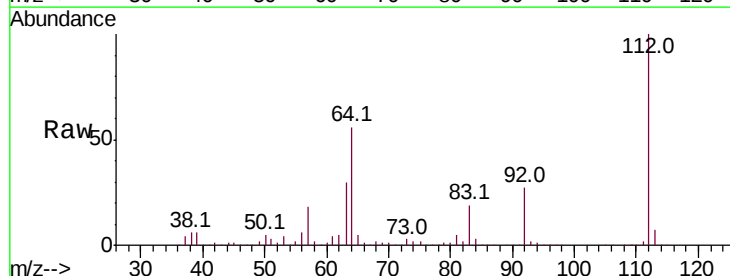
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



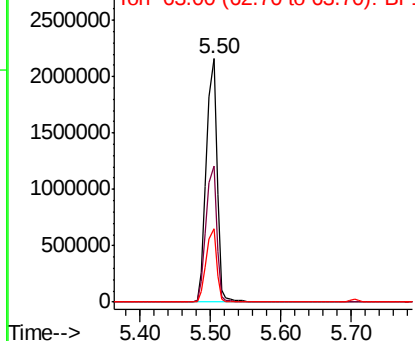
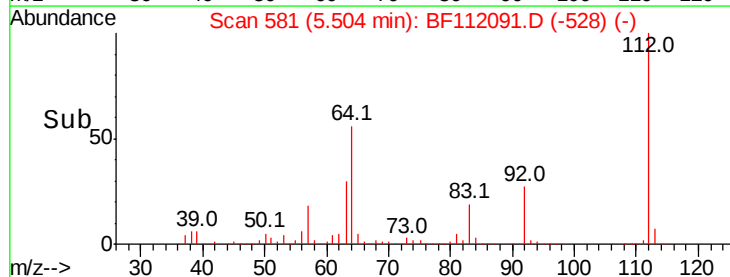
#5

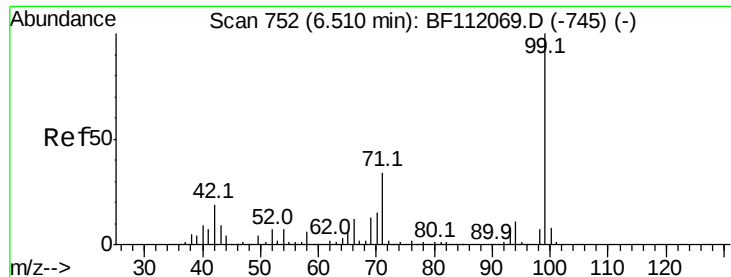
2-Fluorophenol
Concen: 123.295 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion:112 Resp: 2300918
Ion Ratio Lower Upper
112 100
64 56.0 45.7 68.5
63 30.1 23.6 35.4



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: 124.500 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

Instrument :

BNA_F

ClientSampleId :

CLOVER-YARD-A

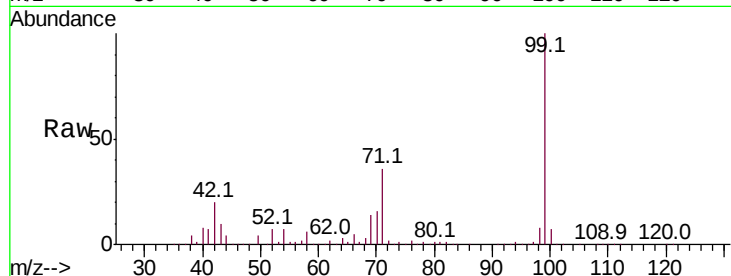
Tot Ion: 99 Resp: 2906951

Ion Ratio Lower Upper

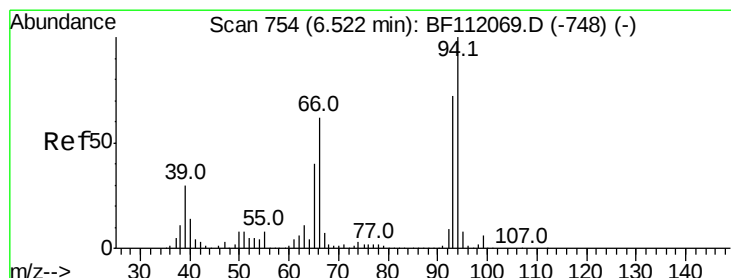
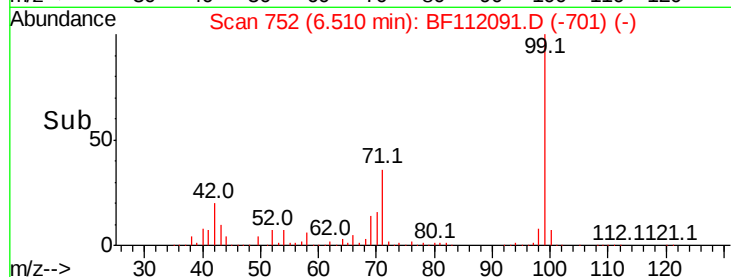
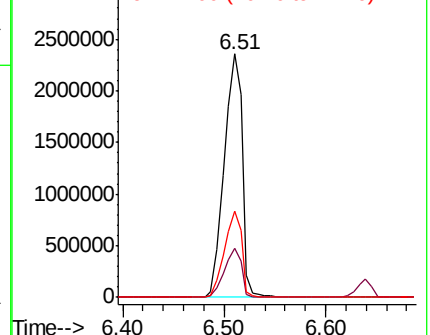
99 100

42 19.9 15.1 22.7

71 35.6 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



#10

Phenol

Concen: 7.097 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

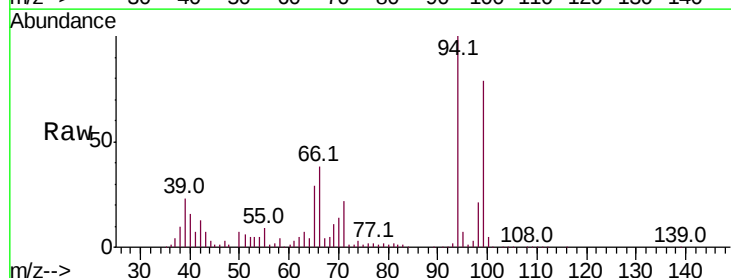
Tgt Ion: 94 Resp: 181100

Ion Ratio Lower Upper

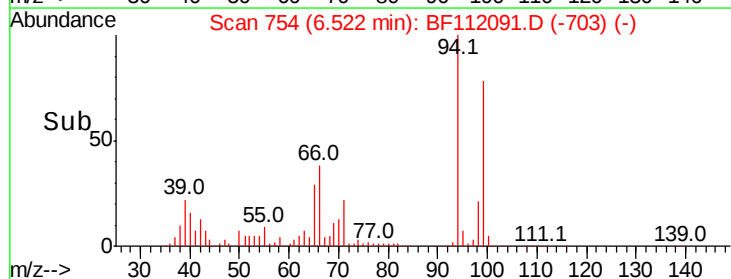
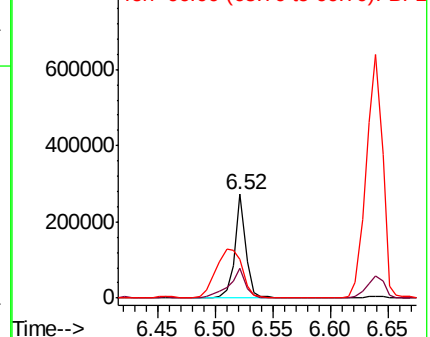
94 100

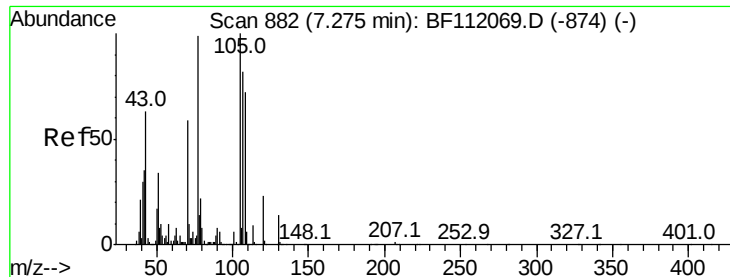
65 28.7 20.3 60.3

66 37.9 42.4 82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

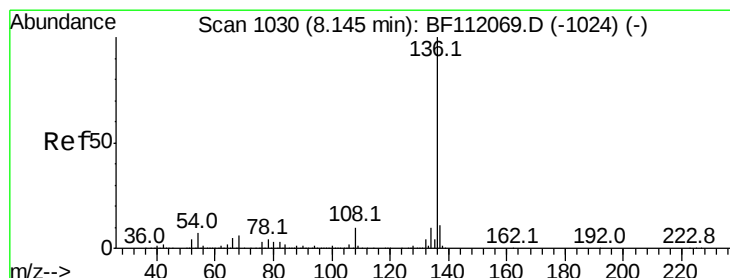
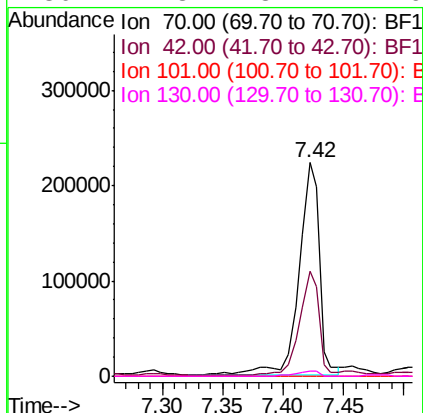
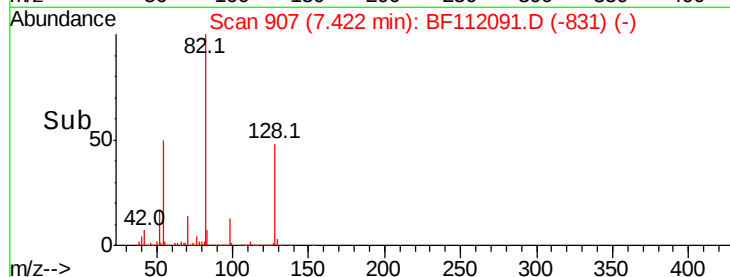
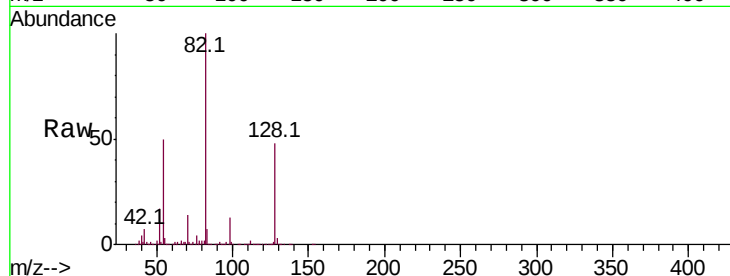




#19
n-Nitroso-di-n-propylamine
Concen: 18.448 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

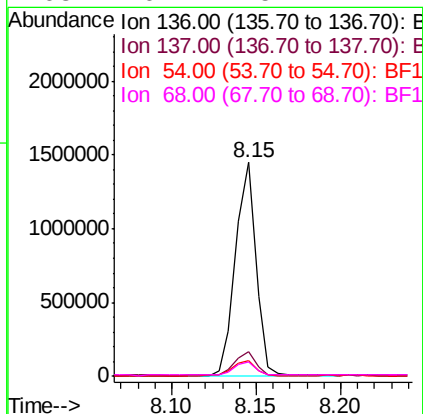
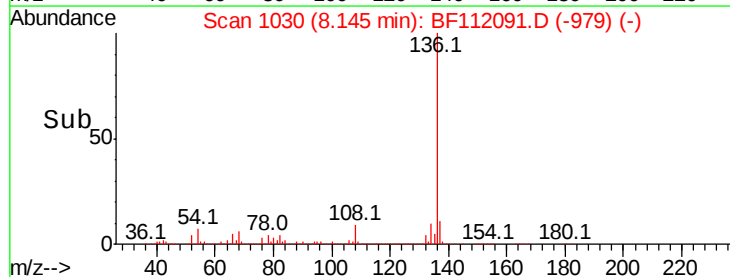
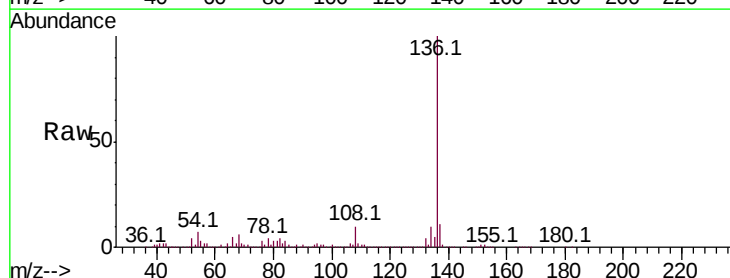
Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

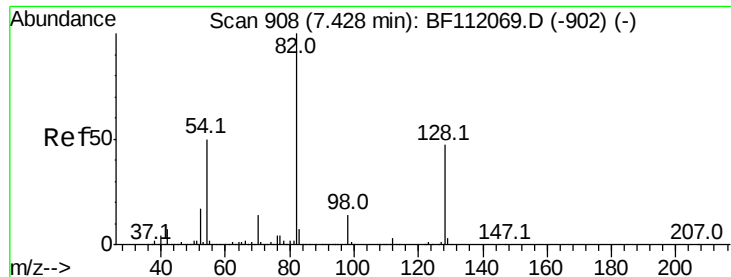
Tot Ion: 70 Resp: 262411
Ion Ratio Lower Upper
70 100
42 49.1 47.6 71.4
101 0.0 7.9 11.9#
130 2.3 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion:136 Resp: 1225811
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 7.2 5.9 8.9
68 6.4 5.1 7.7

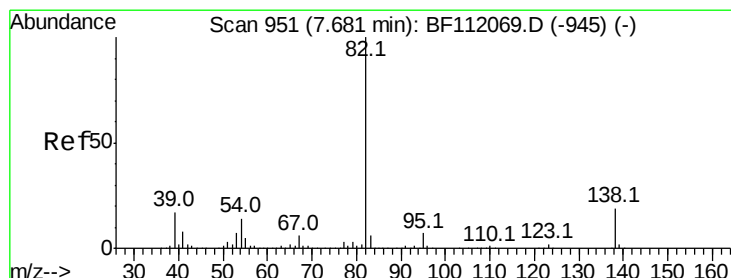
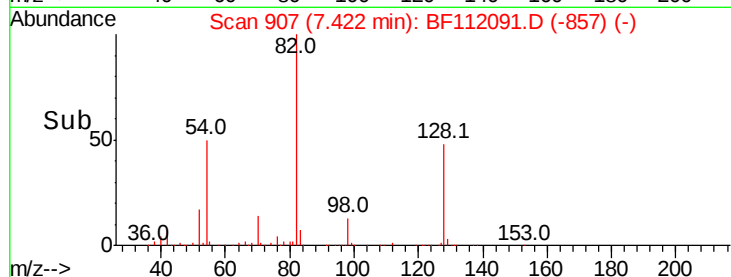
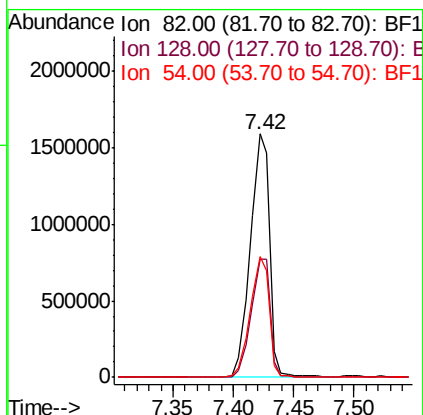
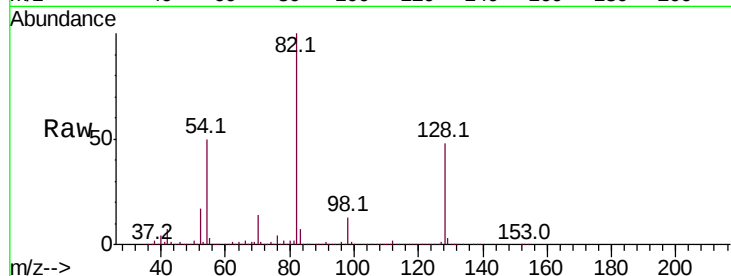




#23
Nitrobenzene-d5
Concen: 99.817 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

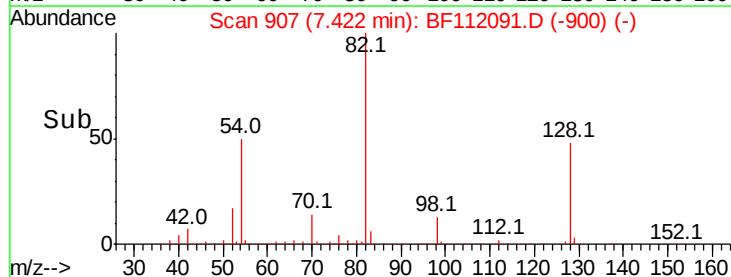
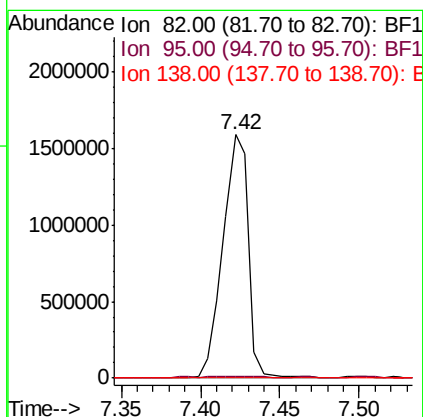
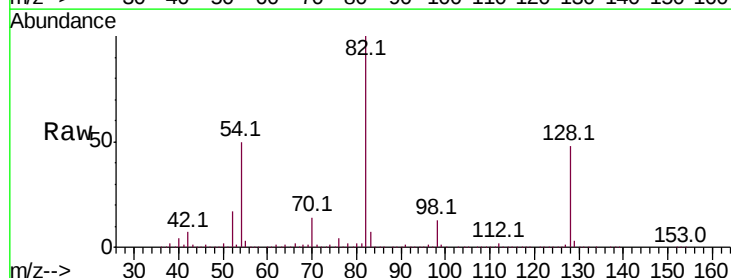
Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

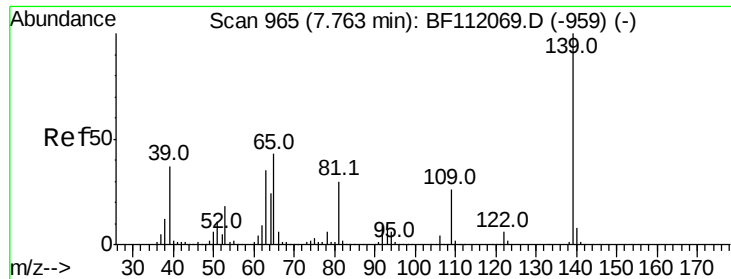
Tot Ion: 82 Resp: 1771000
Ion Ratio Lower Upper
82 100
128 48.4 37.8 56.8
54 49.6 39.7 59.5



#25
Isophorone
Concen: 51.170 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion: 82 Resp: 1753614
Ion Ratio Lower Upper
82 100
95 0.4 5.7 8.5#
138 0.0 15.4 23.0#

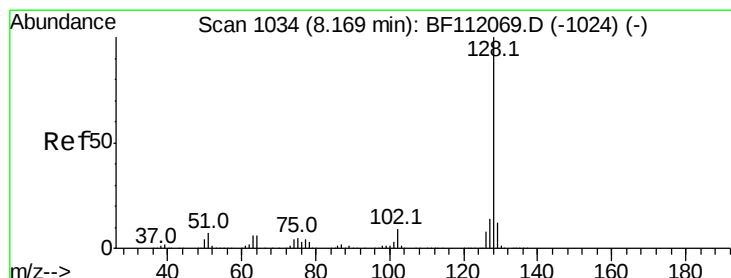
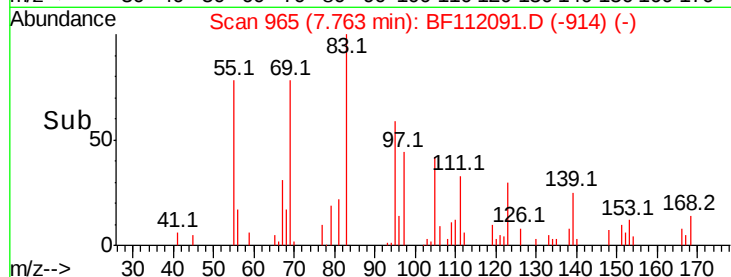
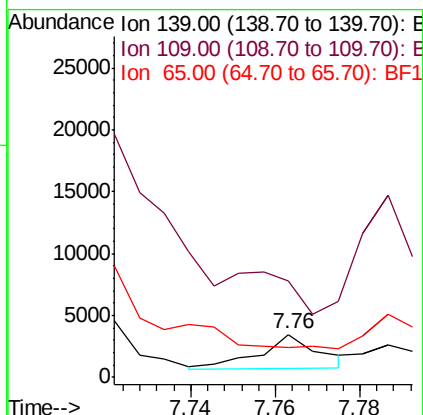
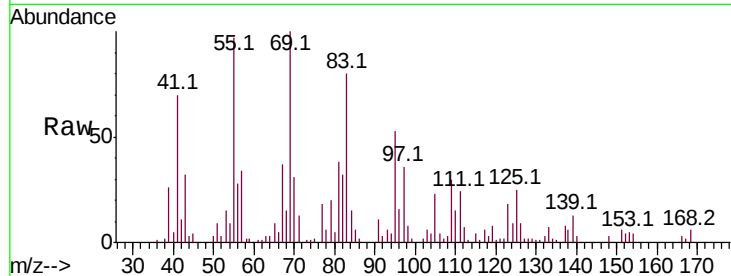




#26
2-Nitrophenol
Concen: 5.915 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

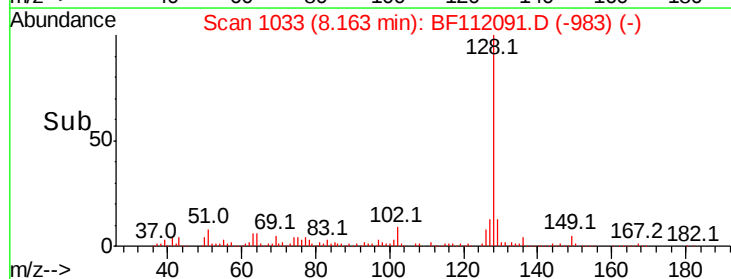
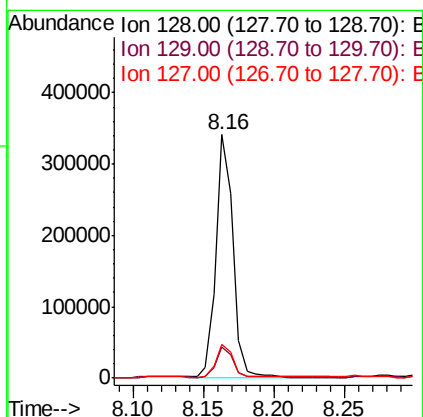
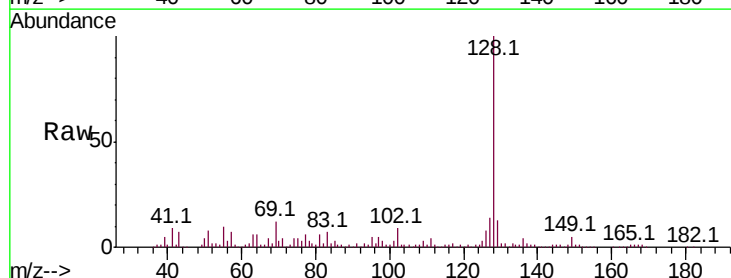
Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

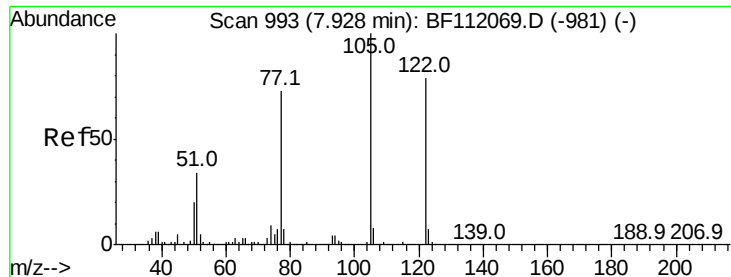
Tot Ion:139 Resp: 2564
Ion Ratio Lower Upper
139 100
109 223.4 20.8 31.2#
65 69.8 34.4 51.6#



#31
Naphthalene
Concen: 5.077 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion:128 Resp: 283042
Ion Ratio Lower Upper
128 100
129 12.7 9.6 14.4
127 13.7 11.1 16.7





#32

Benzoic acid

Concen: 7.508 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

Instrument :

BNA_F

ClientSampleId :

CLOVER-YARD-A

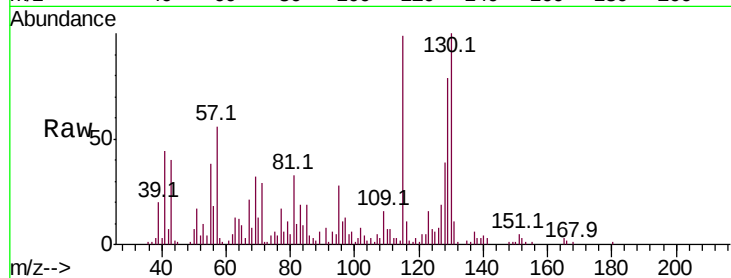
Tot Ion:122 Resp: 2253

Ion Ratio Lower Upper

122 100

105 73.0 101.2 141.2#

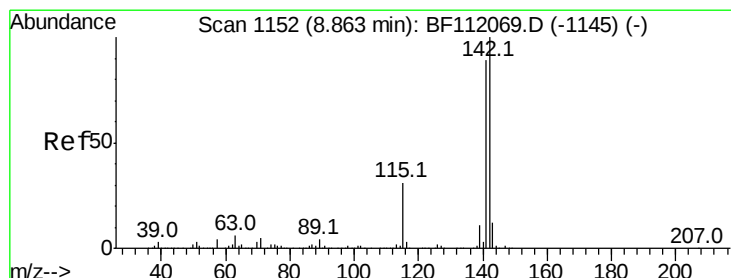
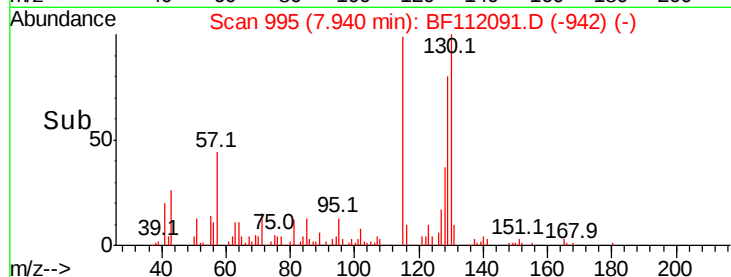
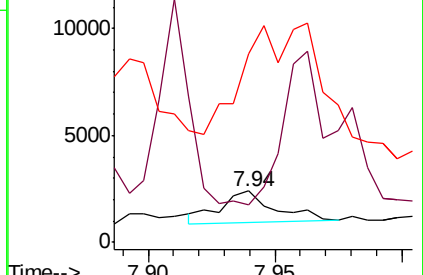
77 366.5 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#37

2-Methylnaphthalene

Concen: 3.180 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

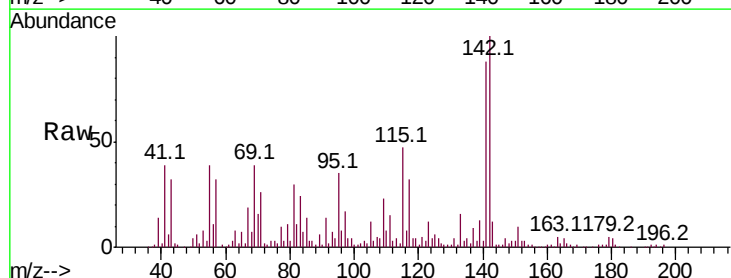
Tgt Ion:142 Resp: 120397

Ion Ratio Lower Upper

142 100

141 88.3 70.9 106.3

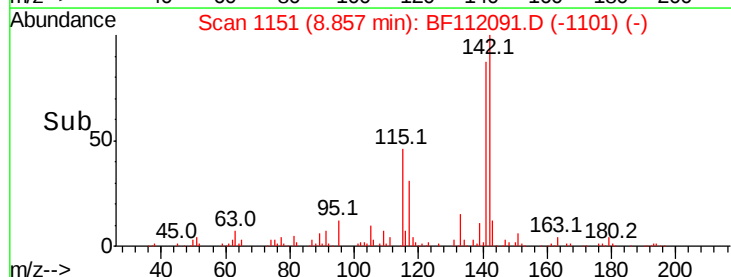
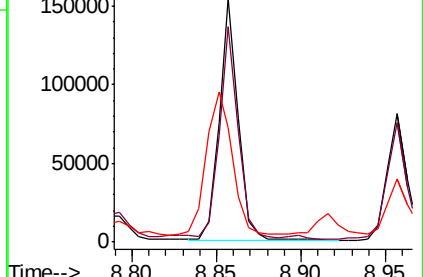
115 47.1 24.9 37.3#

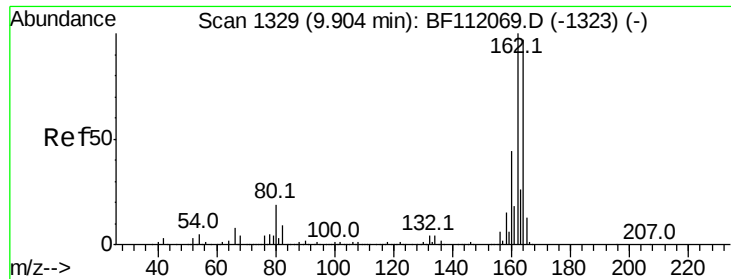


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

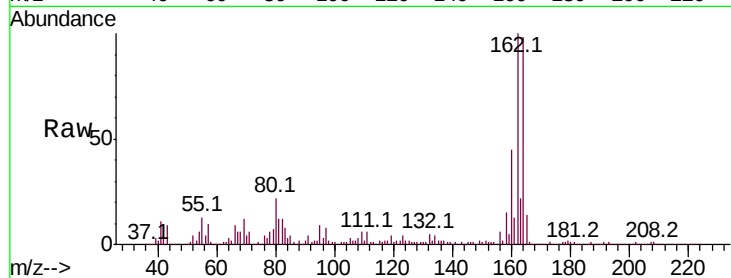




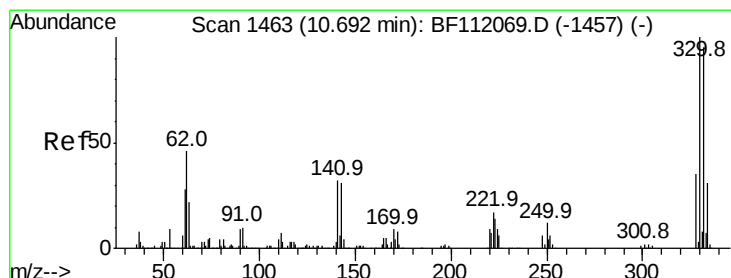
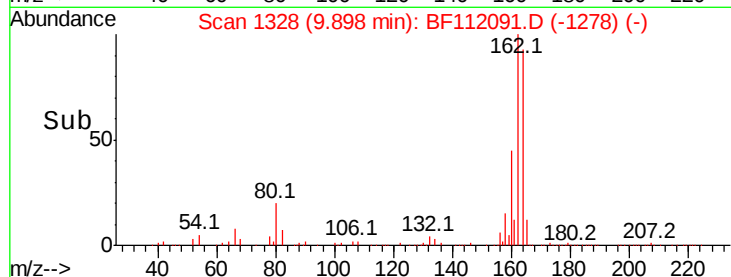
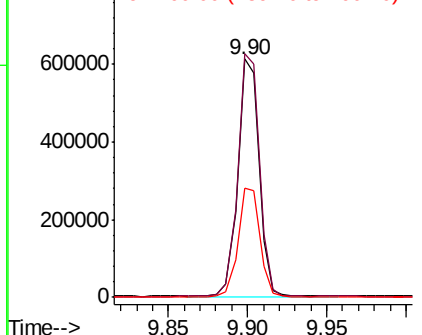
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112091.D
 Acq: 17 Jan 2019 16:05

Instrument :
 BNA_F
 ClientSampleId :
 CLOVER-YARD-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.4
160	45.7	36.2	54.4

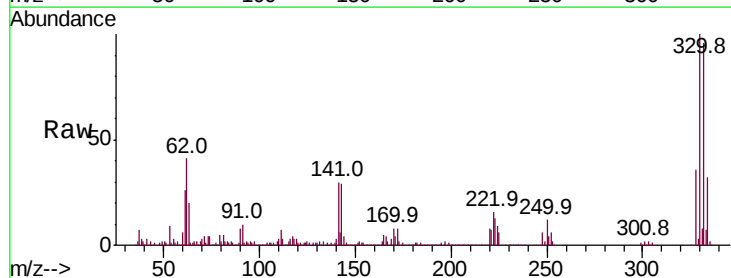


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

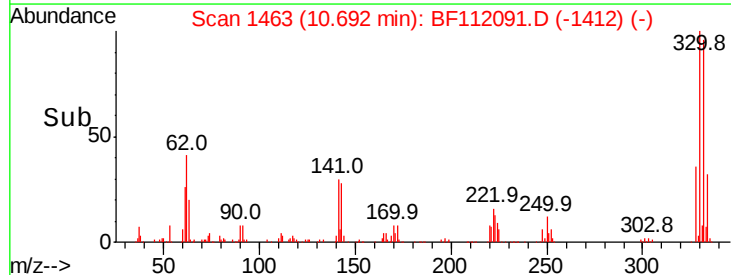
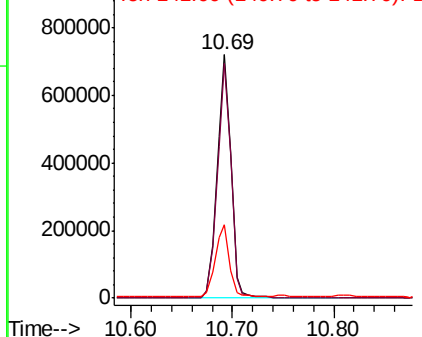


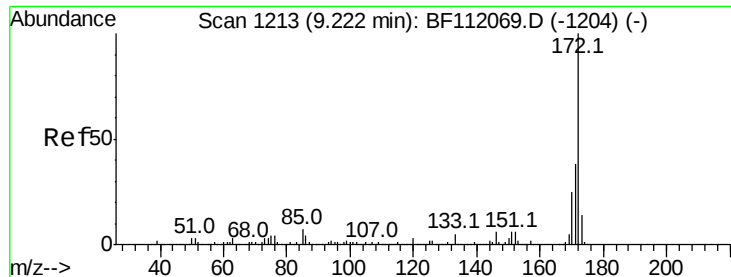
#42
 2,4,6-Tribromophenol
 Concen: 110.868 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF112091.D
 Acq: 17 Jan 2019 16:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	29.8	24.3	36.5



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

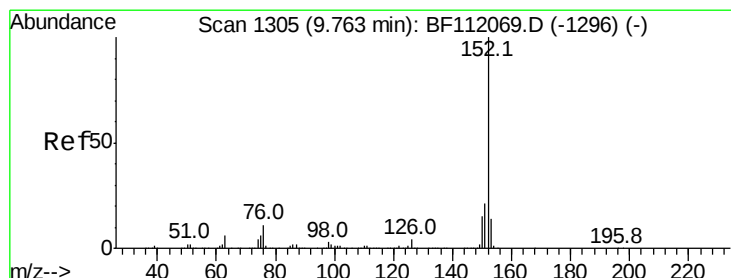
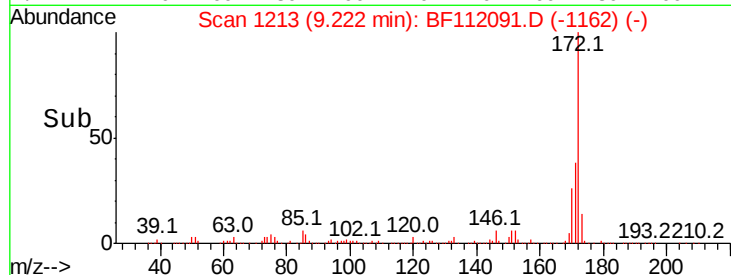
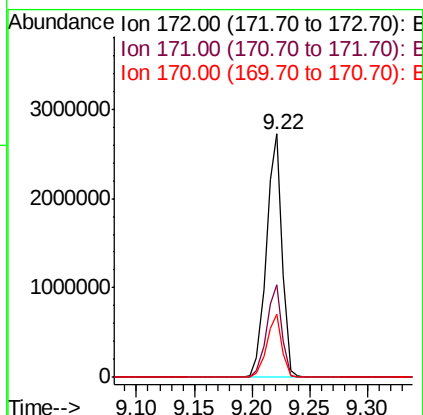
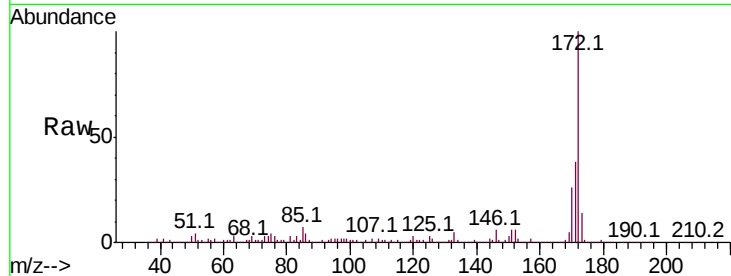




#45
2-Fluorobiphenyl
Concen: 67.496 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

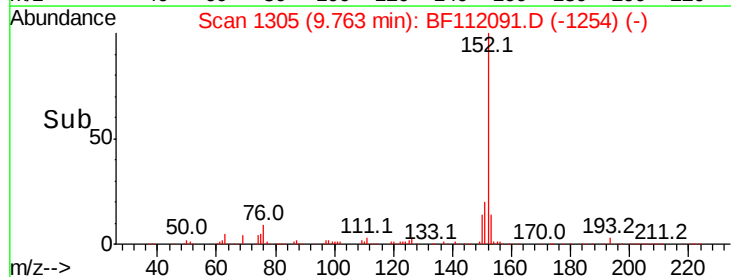
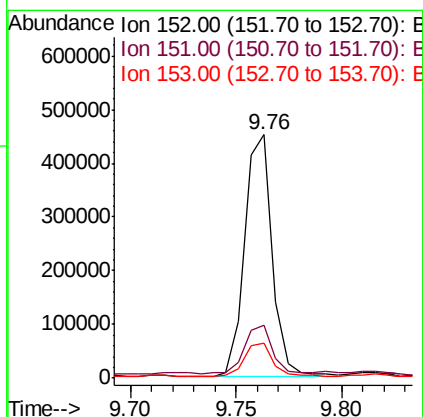
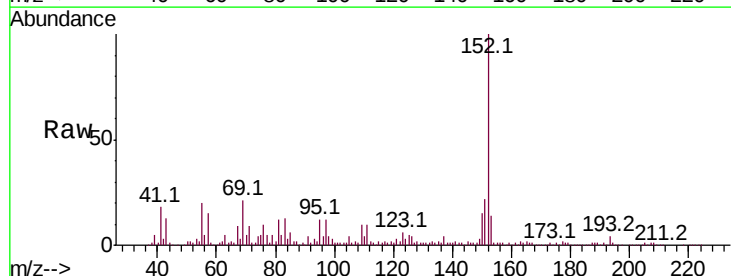
Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

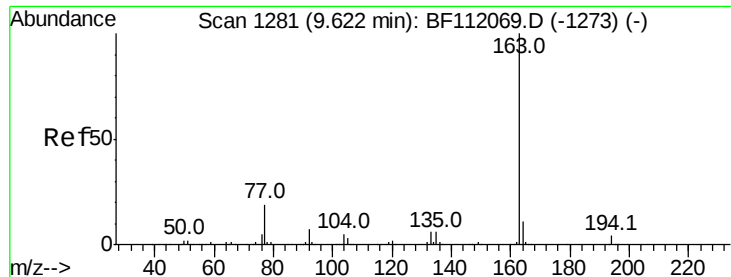
Tot Ion:172 Resp: 2614853
Ion Ratio Lower Upper
172 100
171 38.0 30.5 45.7
170 25.7 20.2 30.4



#49
Acenaphthylene
Concen: 7.505 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion:152 Resp: 407140
Ion Ratio Lower Upper
152 100
151 21.8 17.0 25.6
153 14.3 11.2 16.8

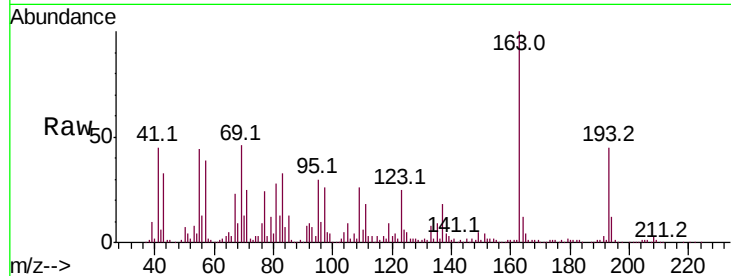




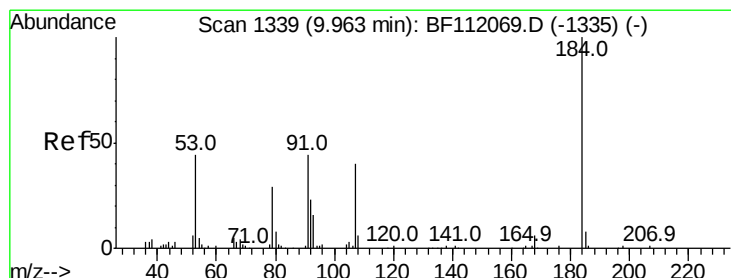
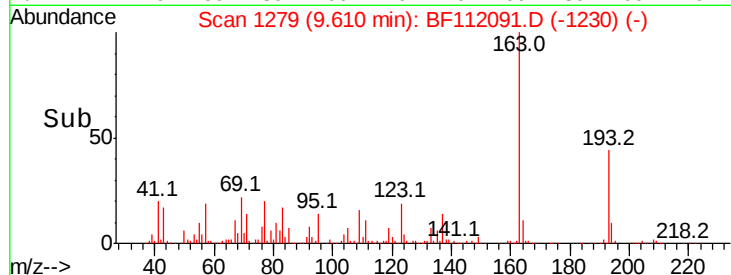
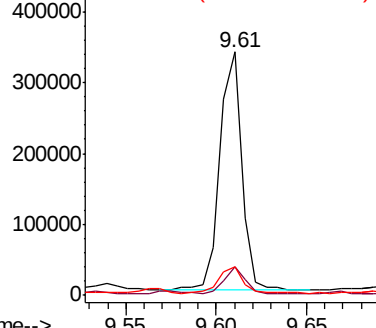
#50
Dimethylphthalate
Concen: 6.911 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

Tot Ion:163 Resp: 286255
Ion Ratio Lower Upper
163 100
194 11.6 3.3 4.9#
164 11.8 8.5 12.7

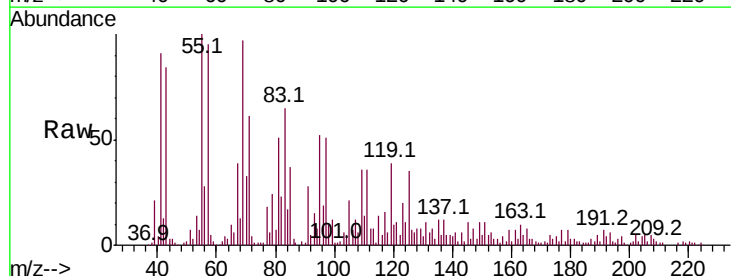


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

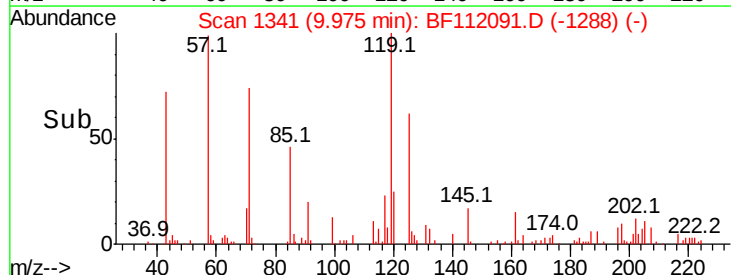
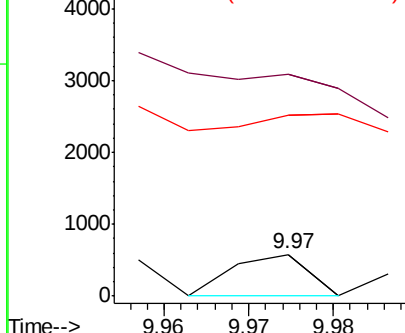


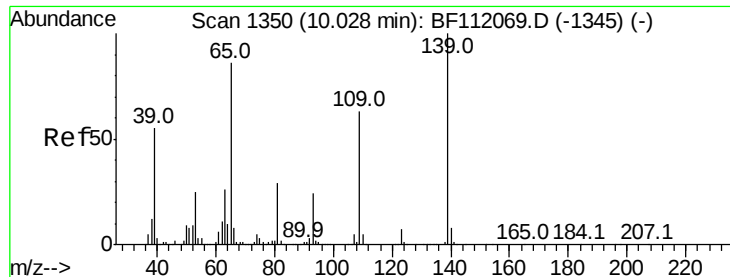
#54
2,4-Dinitrophenol
Concen: 7.955 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion:184 Resp: 361
Ion Ratio Lower Upper
184 100
63 536.0 47.1 70.7#
154 436.6 48.9 73.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

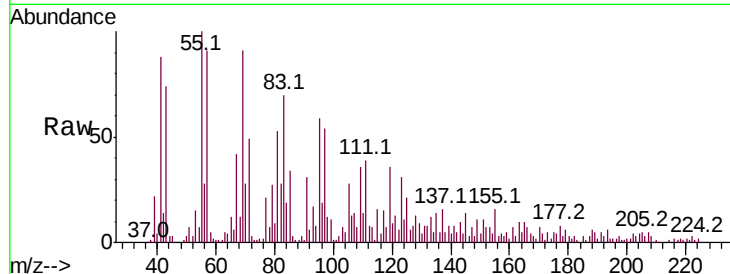




#56
4-Nitrophenol
Concen: 6.095 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

Tot Ion	Ratio	Lower	Upper
139	100		
109	449.2	42.8	82.8#
65	143.8	66.1	106.1#

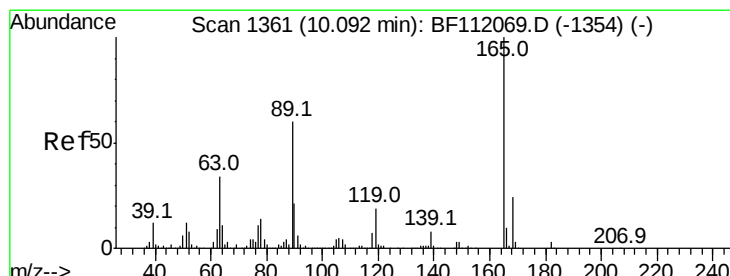
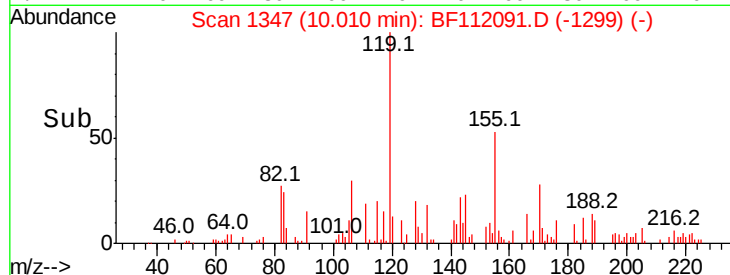
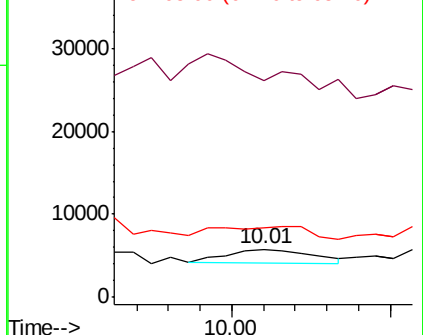


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 5.030 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.03 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.1	27.9	41.9#
89	28.8	47.9	71.9#
182	20.5	2.2	3.4#

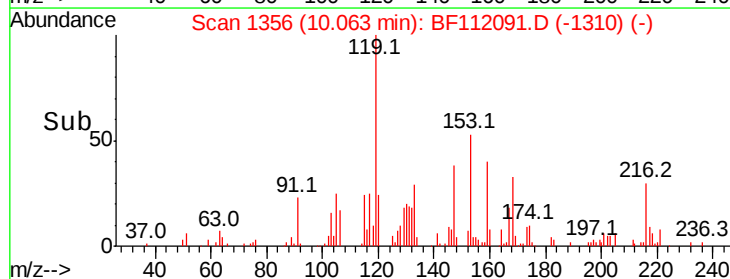
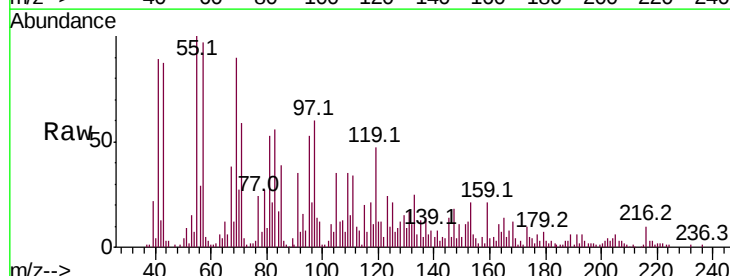
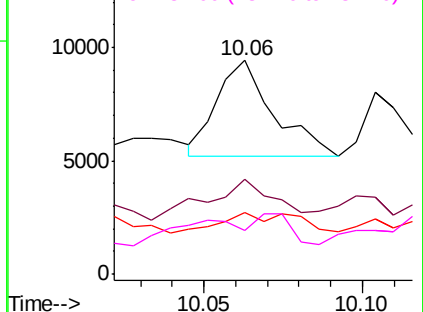
Abundance

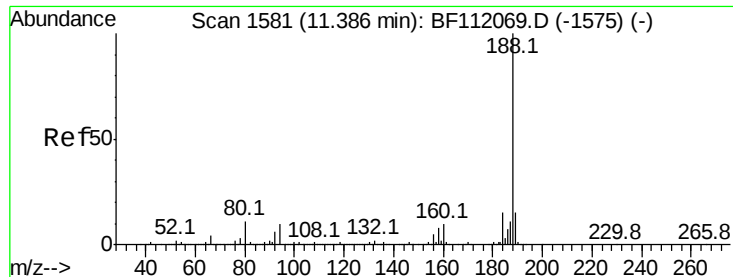
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

Instrument :

BNA_F

ClientSampleId :

CLOVER-YARD-A

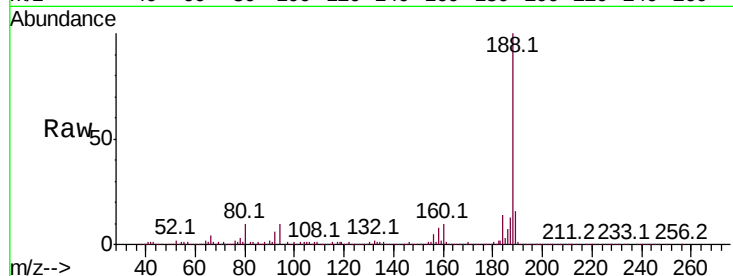
Tot Ion:188 Resp: 922127

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

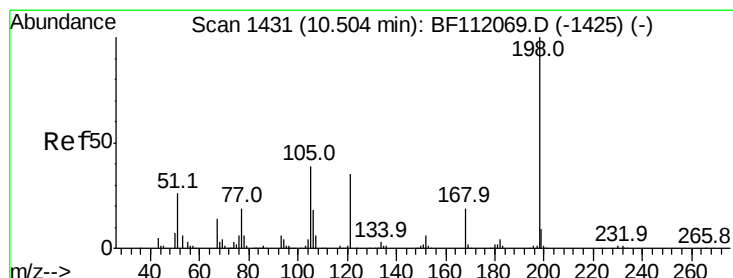
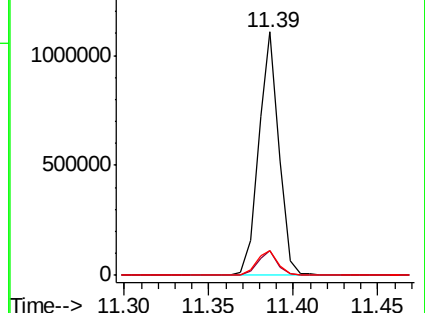
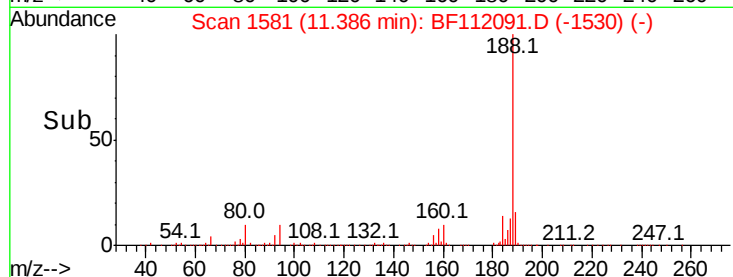
80 10.3 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 10.467 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.03 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

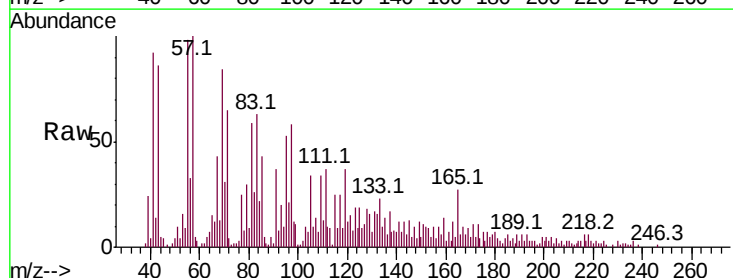
Tgt Ion:198 Resp: 1935

Ion Ratio Lower Upper

198 100

51 485.3 17.2 57.2#

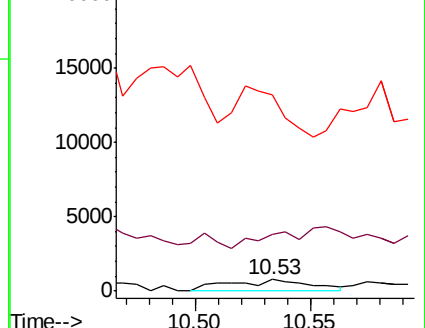
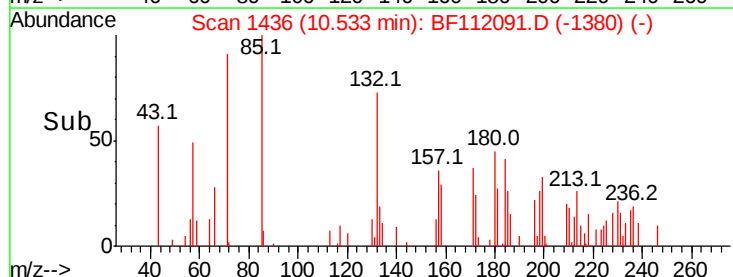
105 1667.3 21.9 61.9#

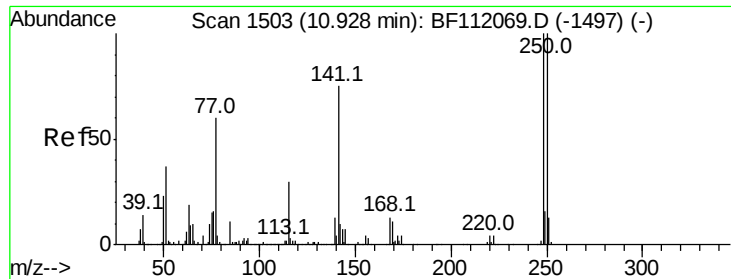


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.802 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.24 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

Instrument :

BNA_F

ClientSampleId :

CLOVER-YARD-A

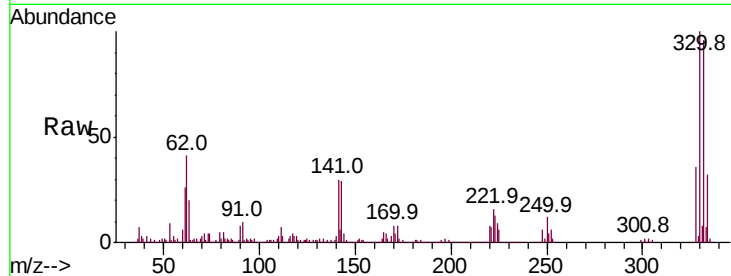
Tot Ion:248 Resp: 40728

Ion Ratio Lower Upper

248 100

250 204.8 79.7 119.5#

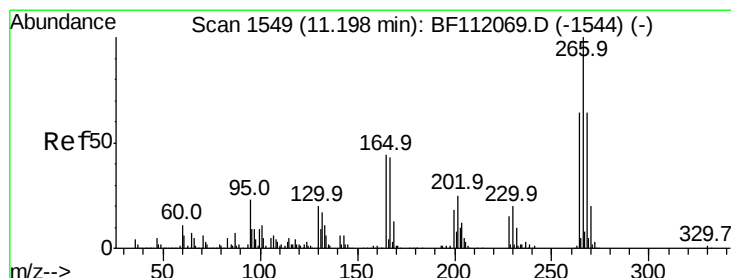
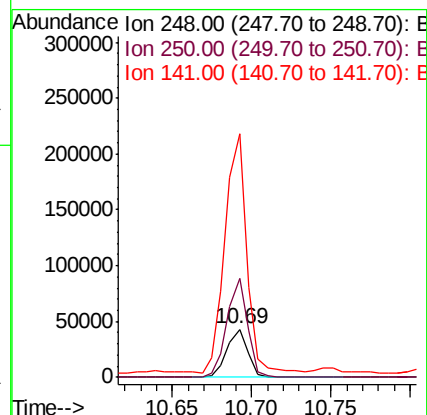
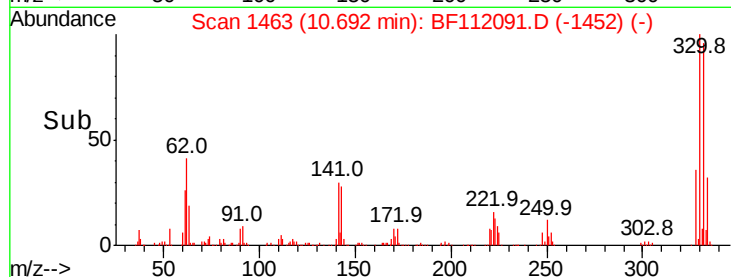
141 503.0 60.3 90.5#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Pentachlorophenol

Concen: 6.123 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.02 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

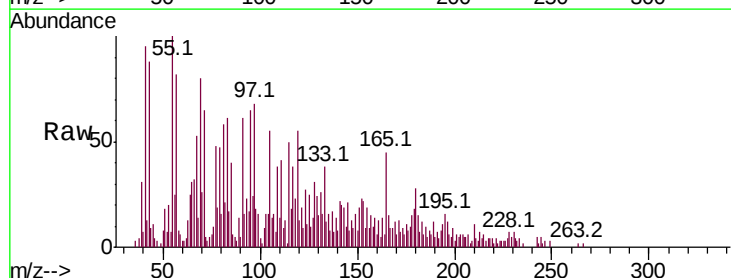
Tgt Ion:266 Resp: 108

Ion Ratio Lower Upper

266 100

268 0.0 51.2 76.8#

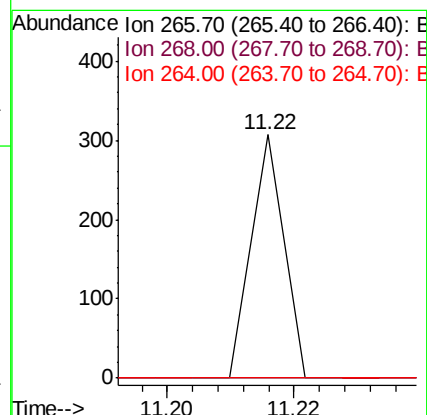
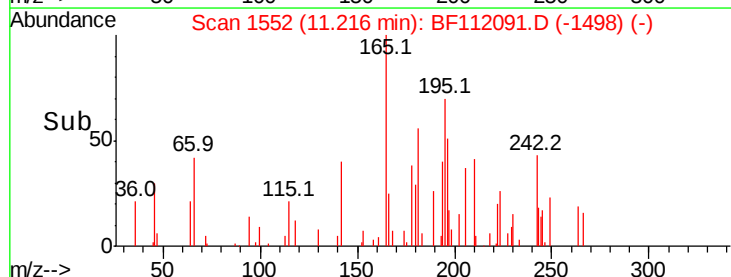
264 0.0 50.9 76.3#

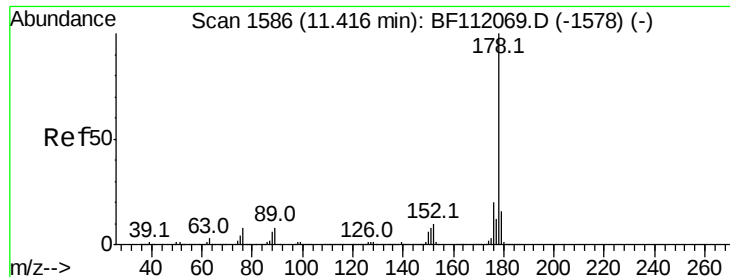


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 3.677 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

Instrument :

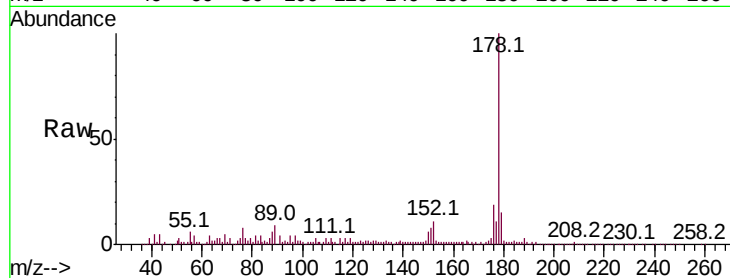
BNA_F

ClientSampleId :

CLOVER-YARD-A

Tot Ion:178 Resp: 170647

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	15.5	13.0	19.4

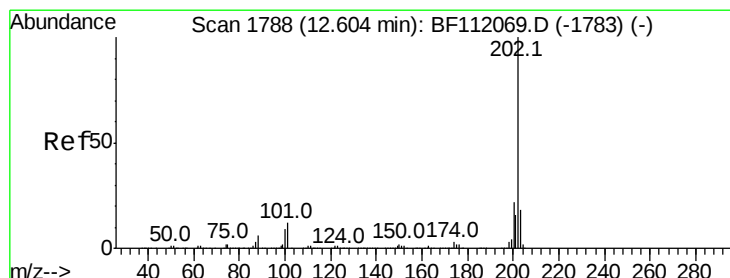
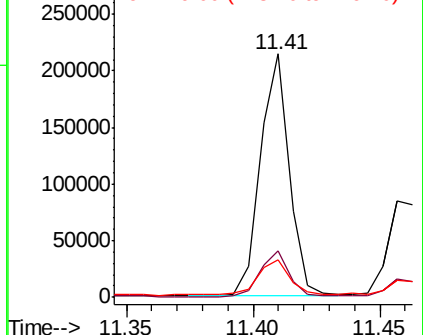
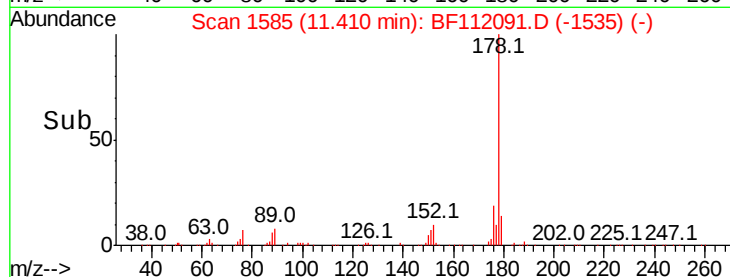


Abundance

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: 4.112 ng

RT: 12.60 min Scan# 1787

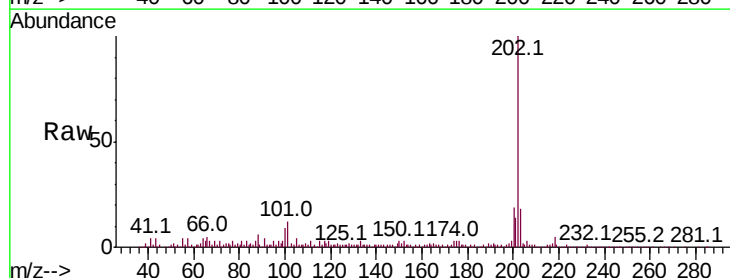
Delta R.T. -0.01 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

Tgt Ion:202 Resp: 201461

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.8
203	17.6	0.0	38.4

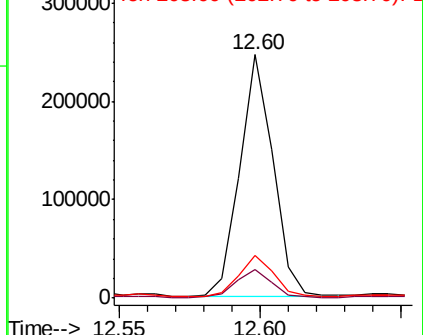
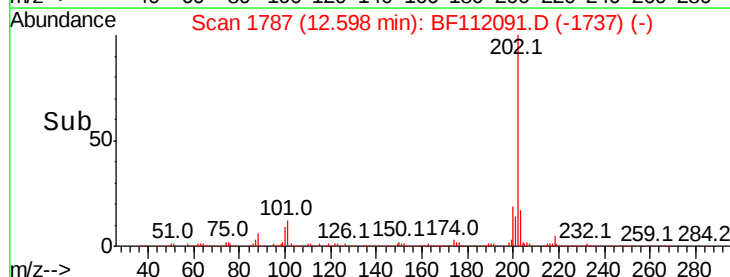


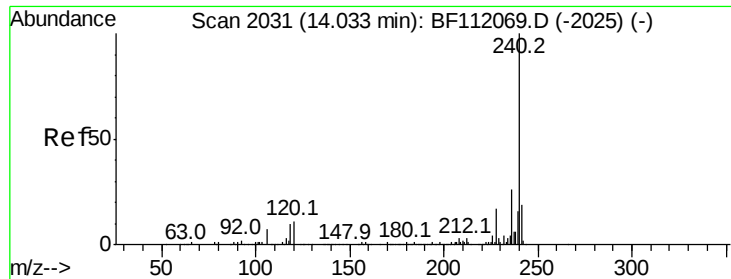
Abundance

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

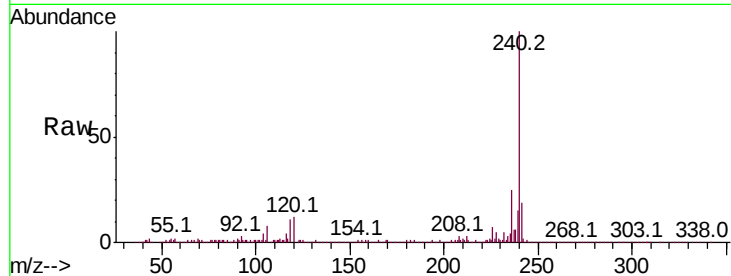




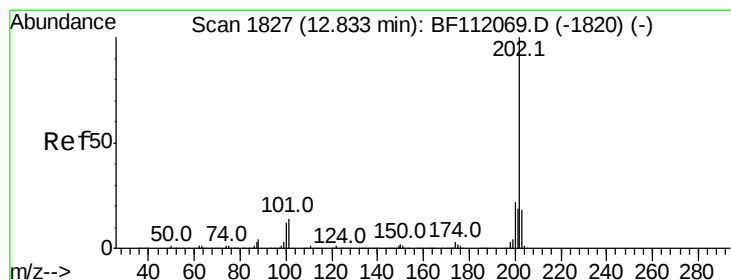
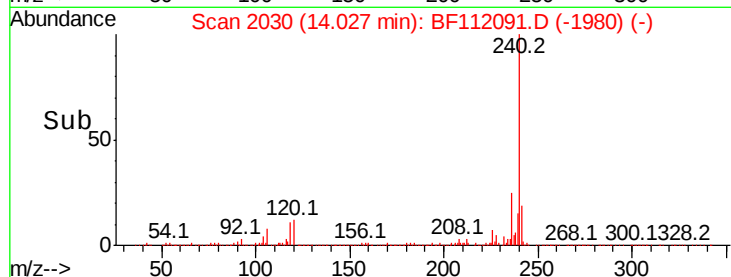
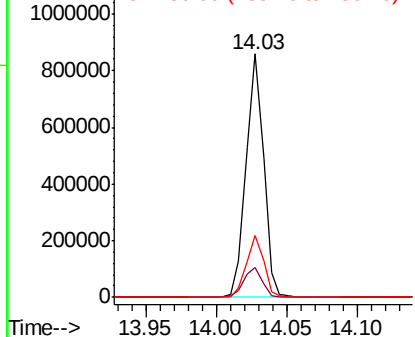
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

Tot Ion:240 Resp: 748514
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.6
236 25.3 20.7 31.1

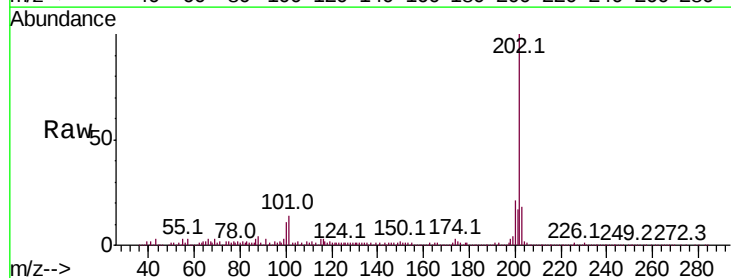


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

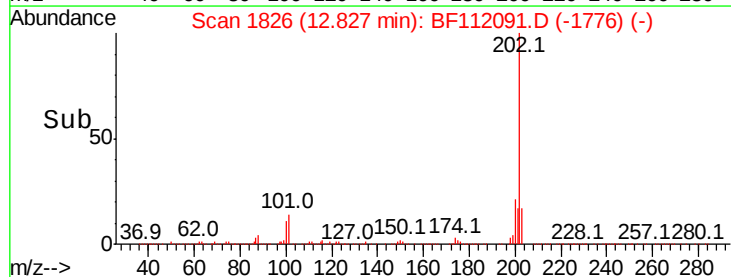
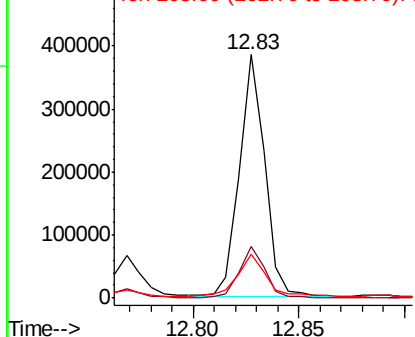


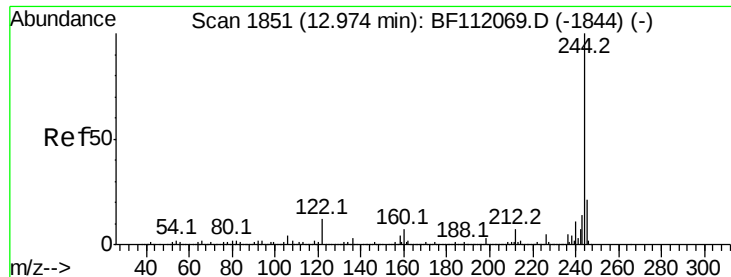
#78
Pyrene
Concen: 6.431 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion:202 Resp: 317585
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.9 14.6 22.0



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



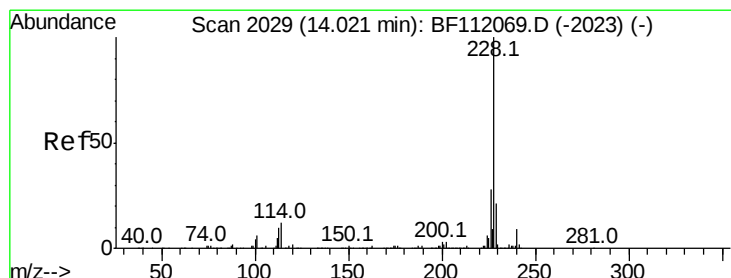
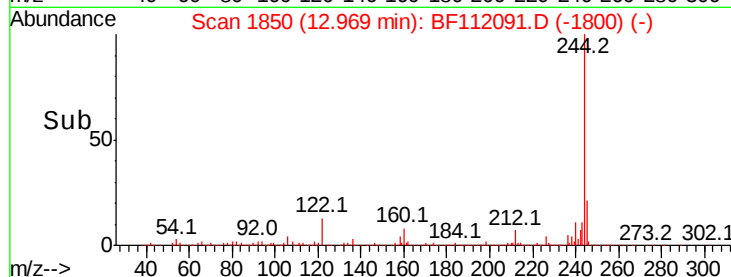
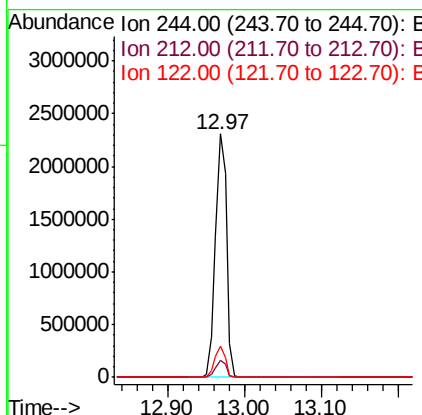
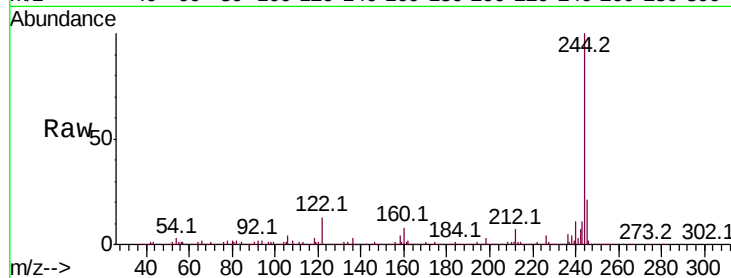


#79
 Terphenyl-d14
 Concen: 63.957 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF112091.D
 Acq: 17 Jan 2019 16:05

Instrument :
 BNA_F
 ClientSampleId :
 CLOVER-YARD-A

Tot Ion:244 Resp: 2250302

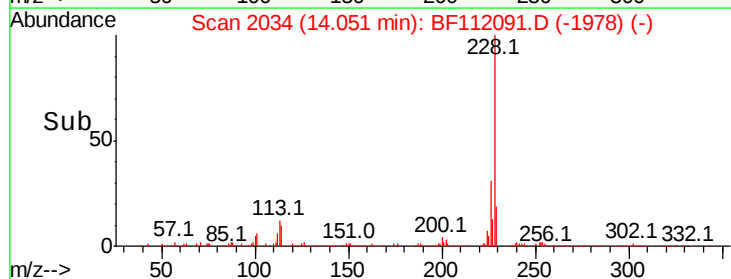
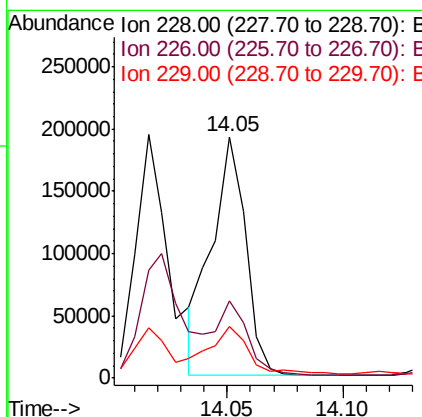
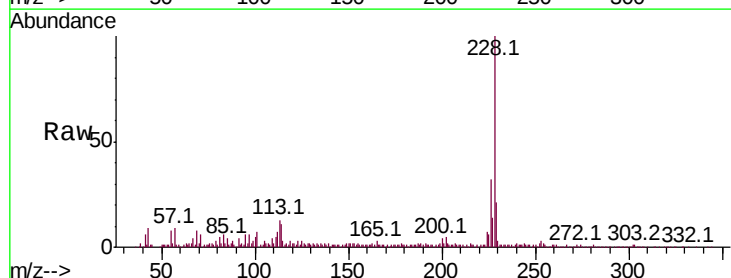
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	12.8	9.8	14.6

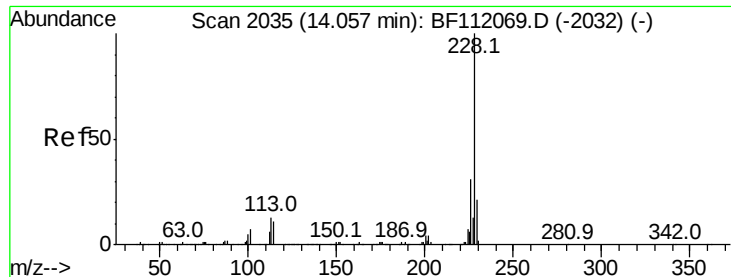


#81
 Benzo(a)anthracene
 Concen: 4.605 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.03 min
 Lab File: BF112091.D
 Acq: 17 Jan 2019 16:05

Tgt Ion:228 Resp: 197641

Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	34.0
229	21.3	16.5	24.7

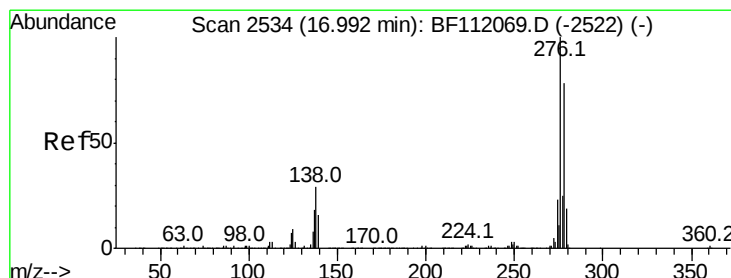
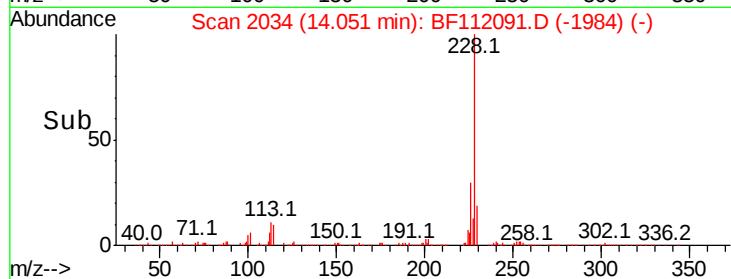
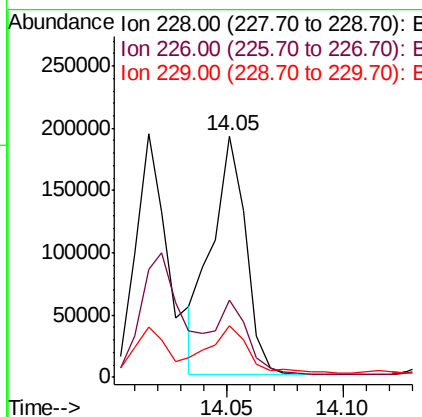
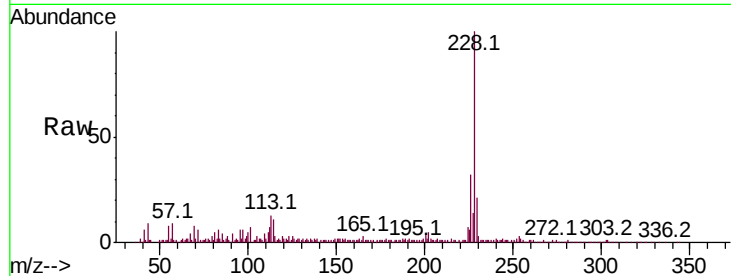




#83
Chrysene
Concen: 4.867 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

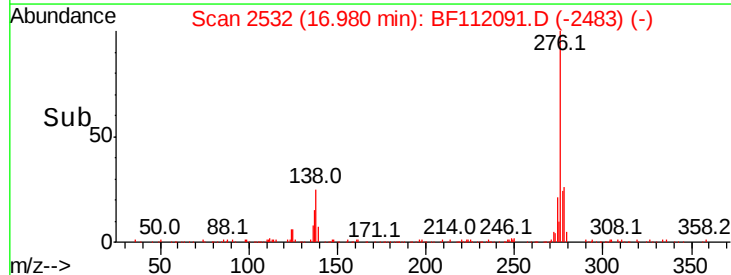
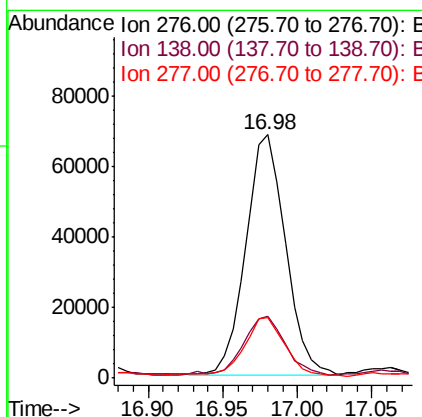
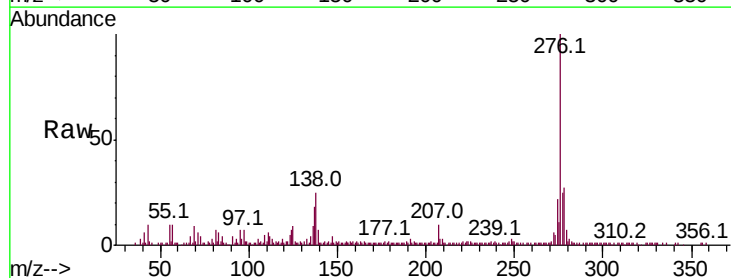
Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

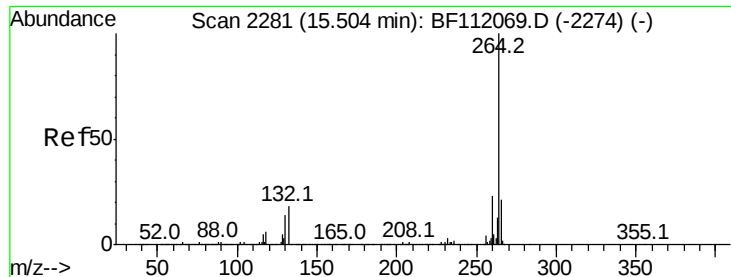
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	21.3	16.6	24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.337 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	22.6	34.0
277	24.4	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

Instrument :

BNA_F

ClientSampleId :

CLOVER-YARD-A

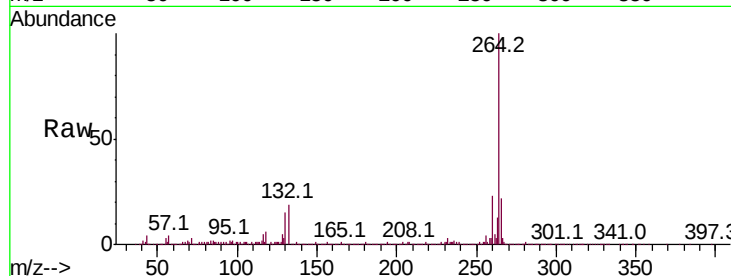
Tot Ion:264 Resp: 634874

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

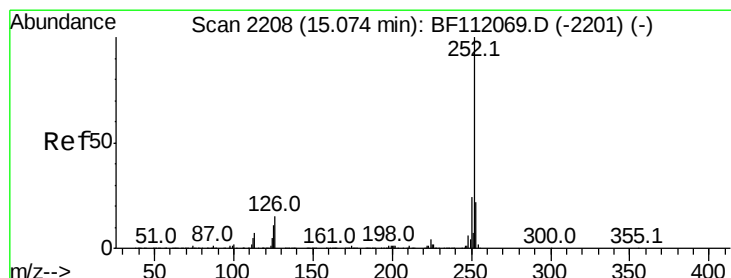
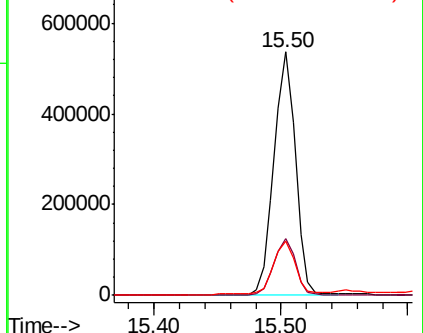
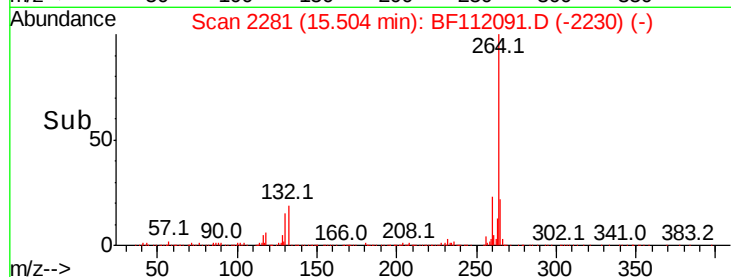
265 22.2 17.0 25.4



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: 10.850 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BF112091.D

Acq: 17 Jan 2019 16:05

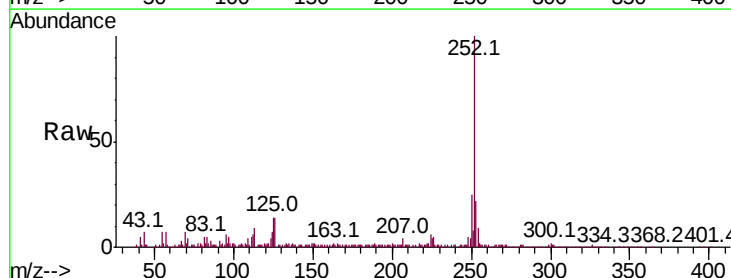
Tgt Ion:252 Resp: 391014

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

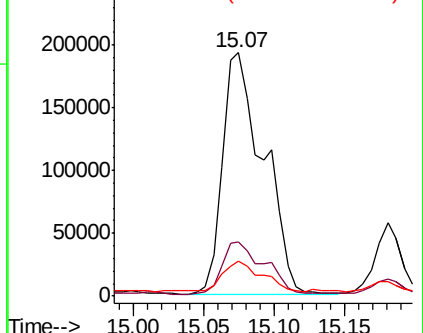
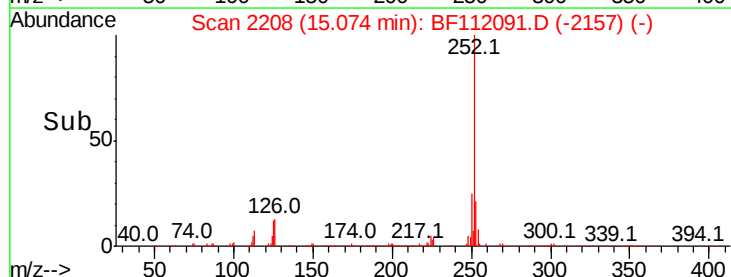
125 14.2 8.7 13.1#

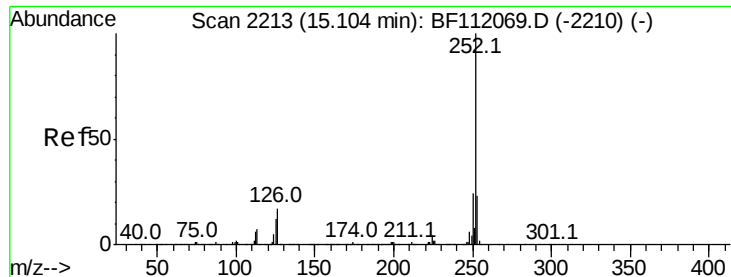


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

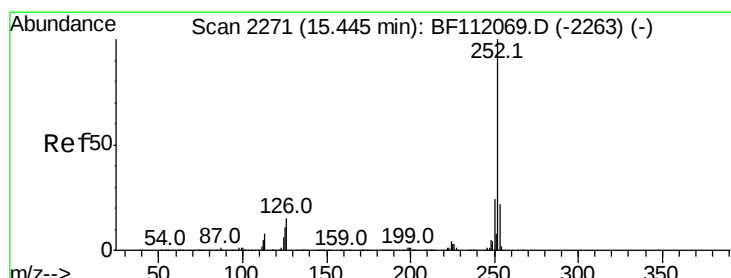
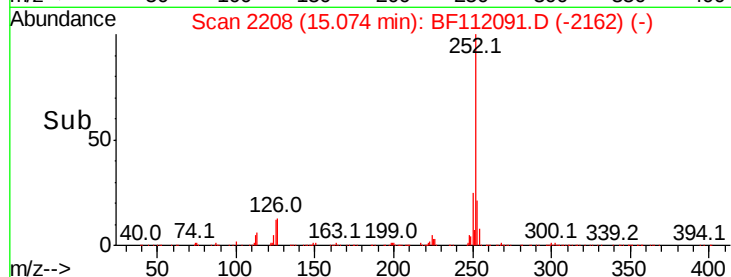
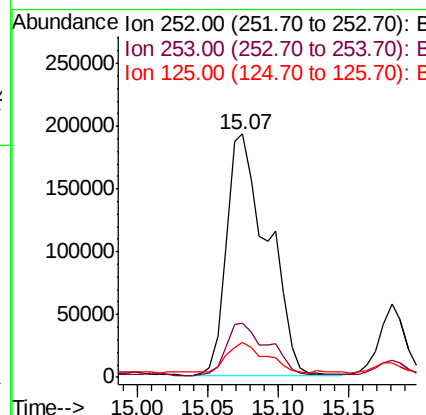
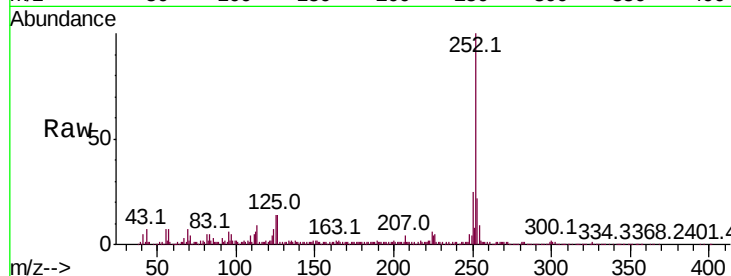




#89
Benzo(k)fluoranthene
Concen: 11.210 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.03 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

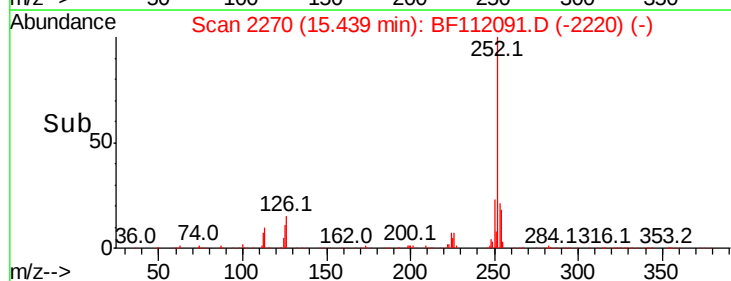
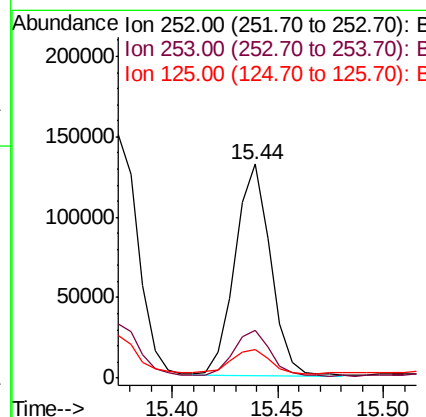
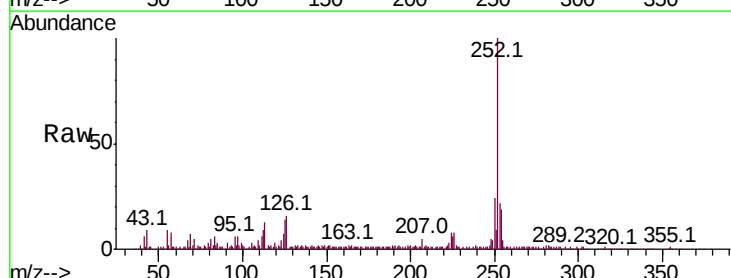
Instrument :
BNA_F
ClientSampleId :
CLOVER-YARD-A

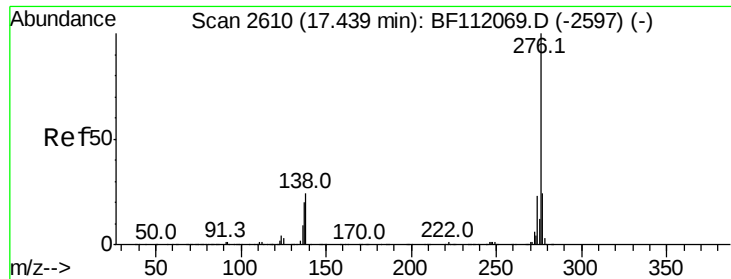
Tot Ion:252 Resp: 391014
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 14.2 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 4.637 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112091.D
Acq: 17 Jan 2019 16:05

Tgt Ion:252 Resp: 153236
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 13.6 9.0 13.4#

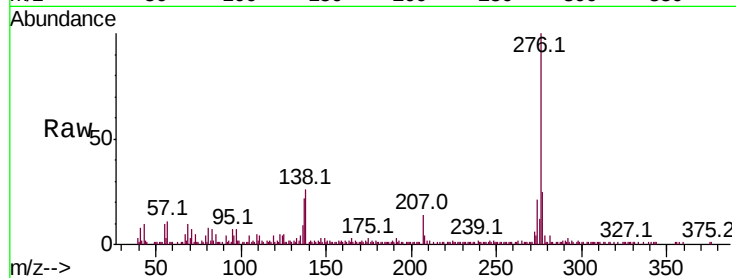




#92
 Benzo(a,h,i)perylene
 Concen: 3.873 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BF112091.D
 Acq: 17 Jan 2019 16:05

Instrument :
 BNA_F
 ClientSampleId :
 CLOVER-YARD-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	26.4	19.1	28.7



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

