

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050620\
 Data File : BG045255.D
 Acq On : 6 May 2020 16:19
 Operator : CG/JU
 Sample : L2462-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AOC-14

Quant Time: May 06 17:01:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 12:59:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	53042	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	212863	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	162457	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	395017	20.00	ng	0.00
76) Chrysene-d12	21.64	240	363343	20.00	ng	0.00
87) Perylene-d12	24.82	264	388138	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	149917	46.66	ng	0.00
7) Phenol-d6	7.15	99	138617	29.04	ng	0.00
23) Nitrobenzene-d5	9.14	82	413470	88.63	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	379242	151.11	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1060208	95.69	ng	0.00
79) Terphenyl-d14	19.99	244	1956367	117.36	ng	0.00

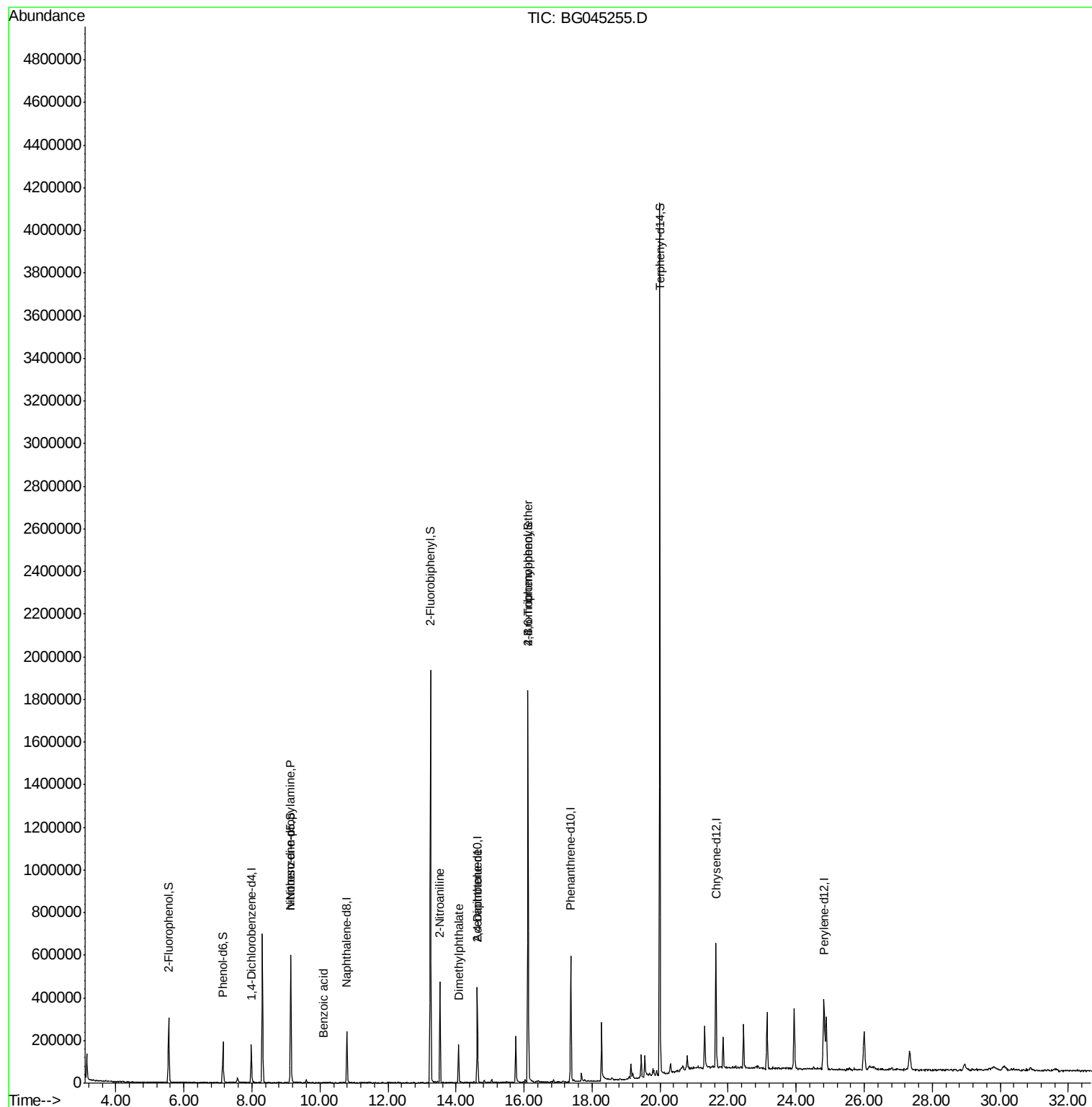
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	251	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	55723	16.507	ng	# 77
32) Benzoic acid	10.10	122	416	6.510	ng	# 62
48) 2-Nitroaniline	13.53	65	10014	3.226	ng	# 9
50) Dimethylphthalate	14.07	163	122377	9.251	ng	# 98
57) 2,4-Dinitrotoluene	14.62	165	21743	5.029	ng	# 23
67) 4-Bromophenyl-phenylether	16.12	248	26912	5.281	ng	# 1
69) Atrazine	17.03	200	63	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	3046	Below Cal	#	75
75) Fluoranthene	19.43	202	1834	Below Cal	#	89
77) Benzydine	19.99	184	38832	Below Cal	#	87

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

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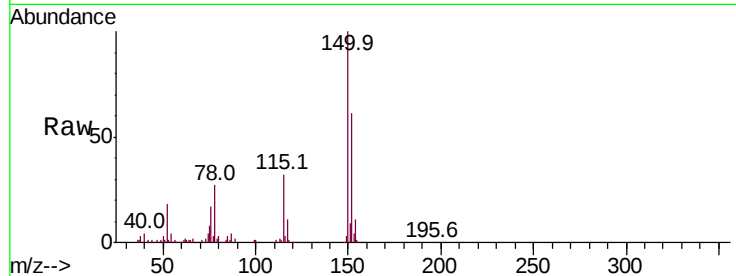


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045255.D
Acq: 6 May 2020 16:19

Instrument :
BNA_G
ClientSampleId :
AOC-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	123.6	185.4
115	52.7	49.1	73.7

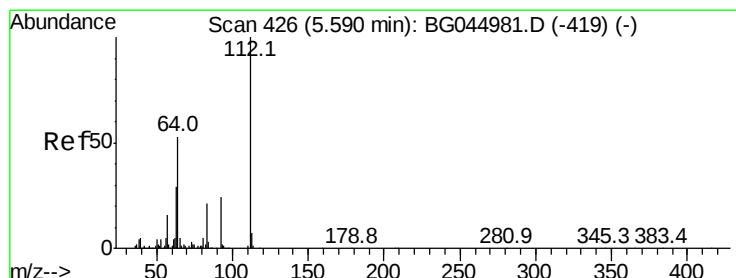
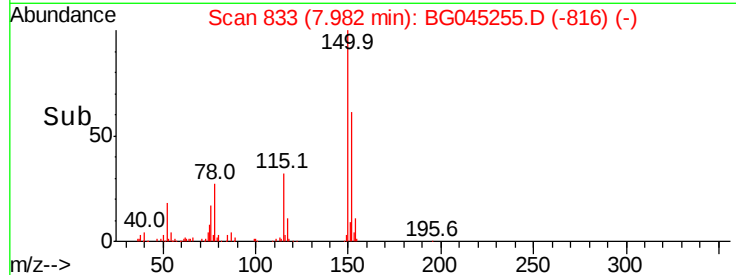
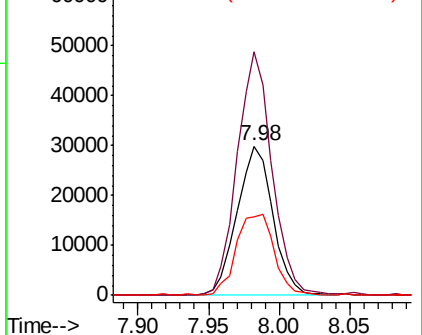


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

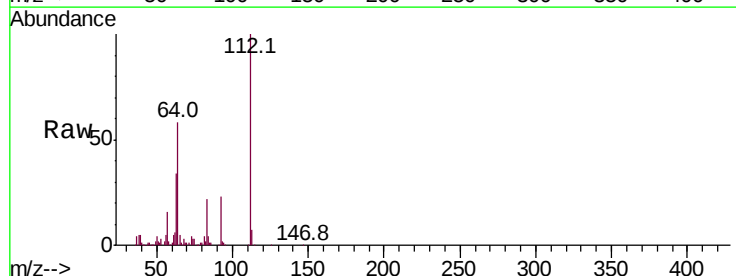
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.662 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045255.D
Acq: 6 May 2020 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	42.4	63.6
63	33.8	23.1	34.7

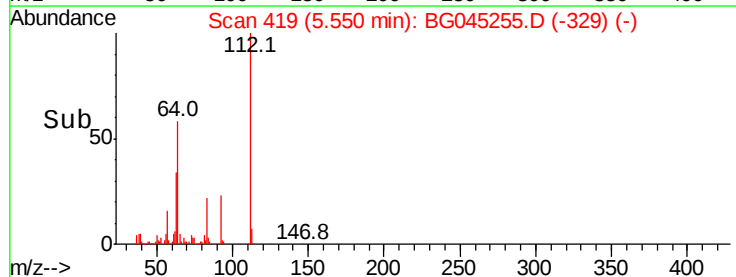
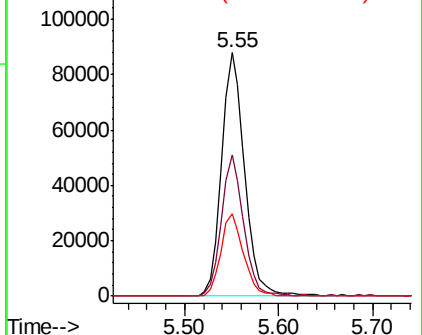


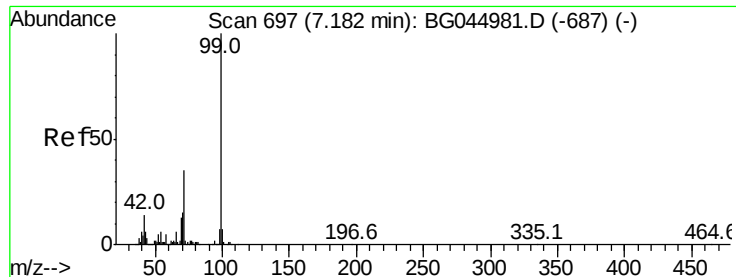
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 29.039 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

Instrument :

BNA_G

ClientSampleId :

AOC-14

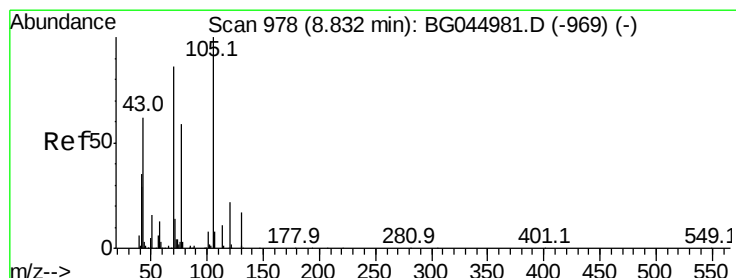
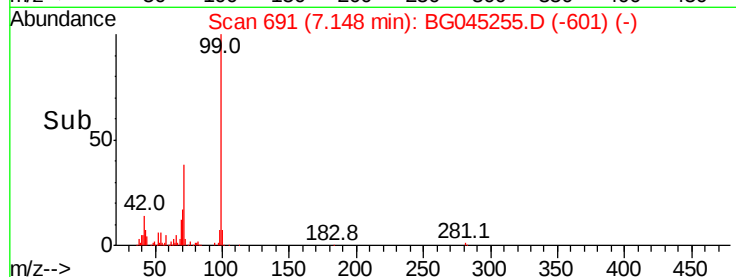
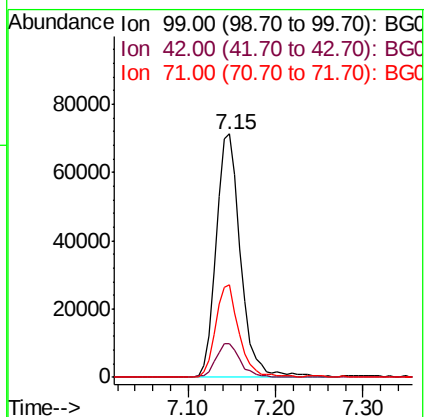
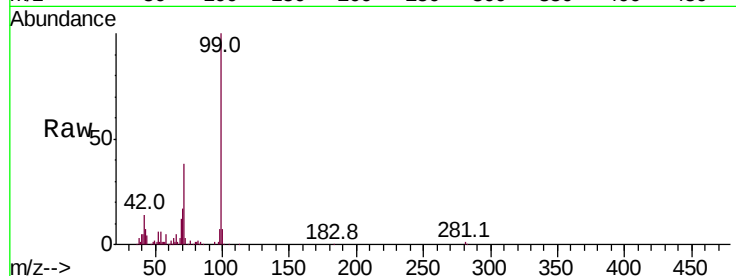
Tot Ion: 99 Resp: 138617

Ion Ratio Lower Upper

99 100

42 13.9 11.3 16.9

71 38.1 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.507 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

Tgt Ion: 70 Resp: 55723

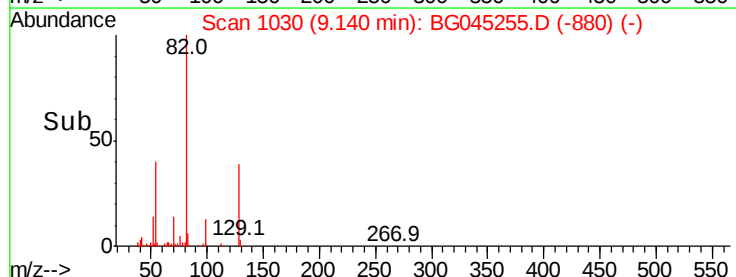
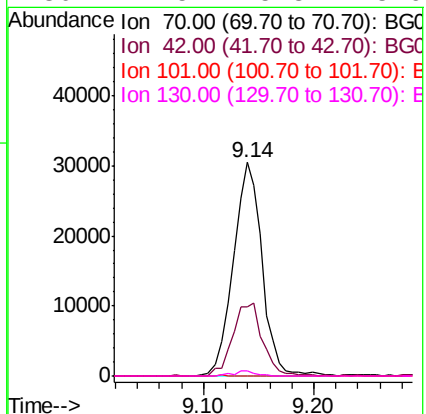
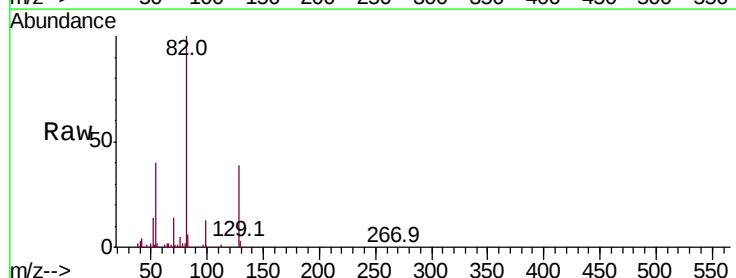
Ion Ratio Lower Upper

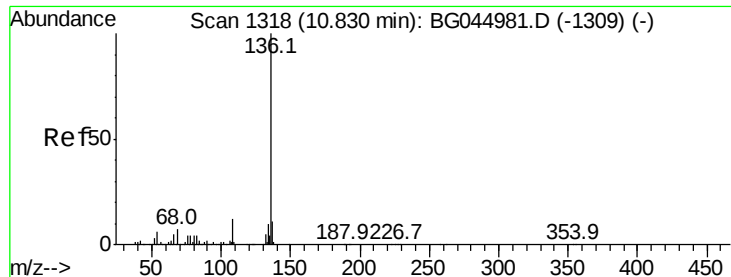
70 100

42 32.3 33.3 49.9#

101 0.0 7.8 11.8#

130 2.5 15.8 23.6#

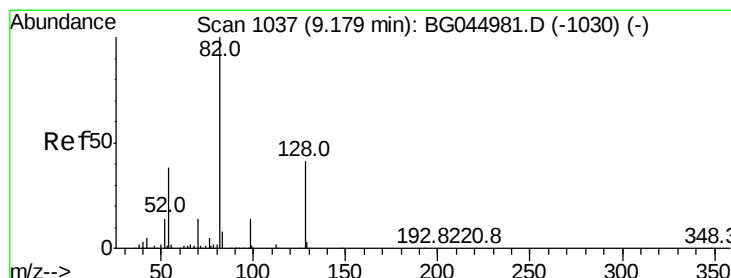
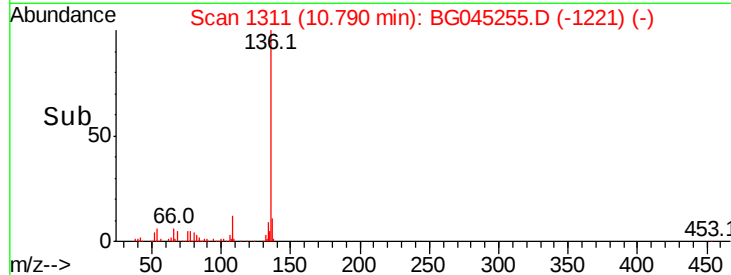
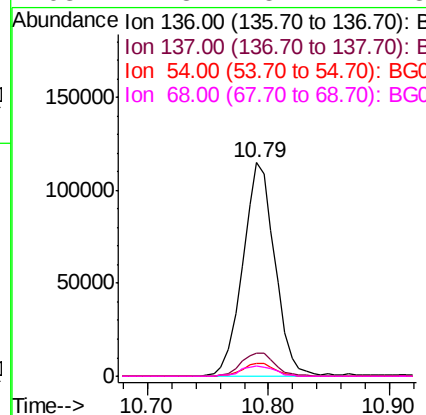
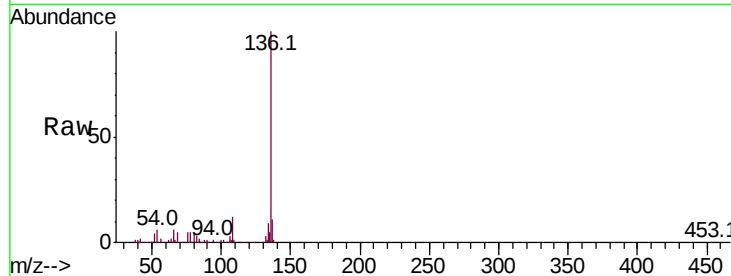




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045255.D
Acq: 6 May 2020 16:19

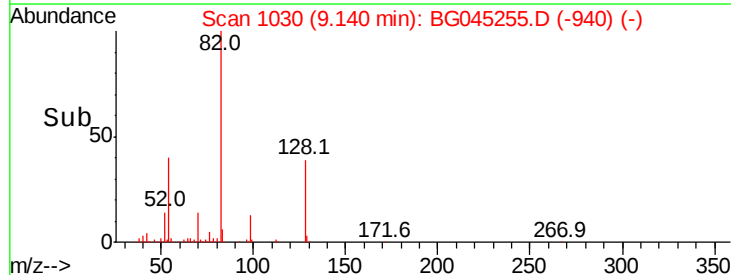
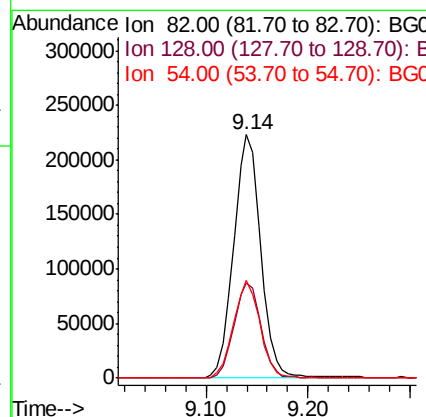
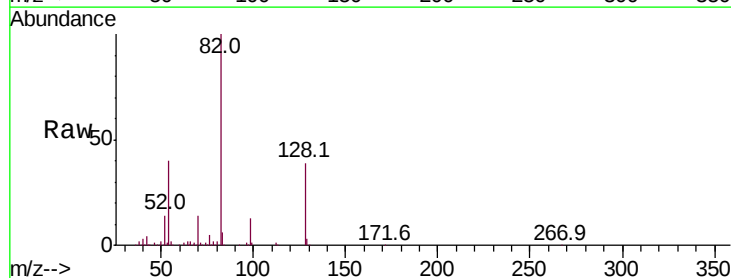
Instrument :
BNA_G
ClientSampleId :
AOC-14

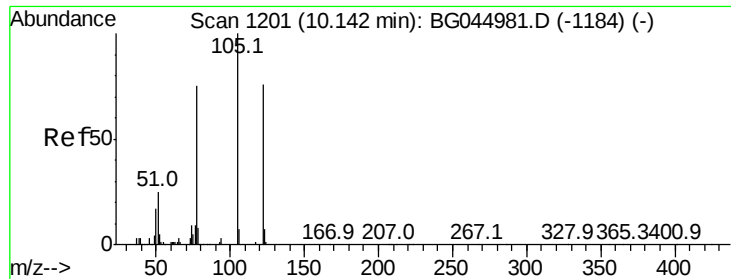
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.2	4.8	7.2
68	4.8	5.2	7.8



#23
Nitrobenzene-d5
Concen: 88.630 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045255.D
Acq: 6 May 2020 16:19

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.9	33.0	49.4
54	40.3	30.4	45.6





#32

Benzoic acid

Concen: 6.510 ng

RT: 10.10 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

Instrument :

BNA_G

ClientSampleId :

AOC-14

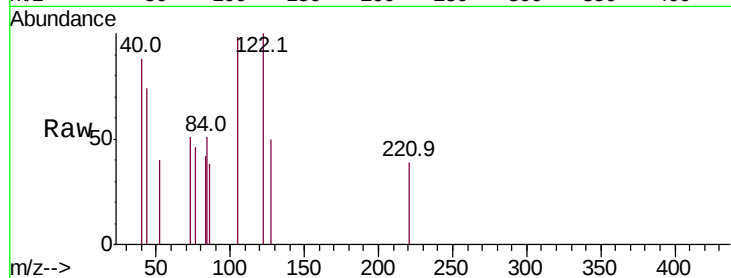
Tot Ion:122 Resp: 416

Ion Ratio Lower Upper

122 100

105 97.6 108.4 148.4#

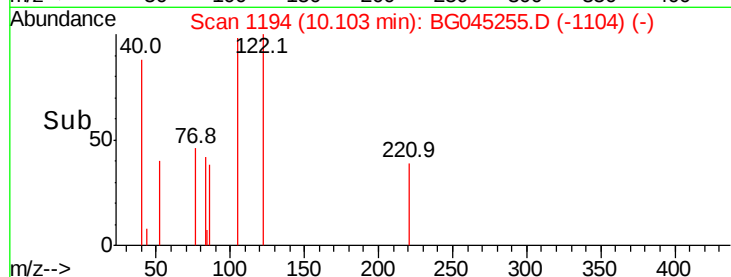
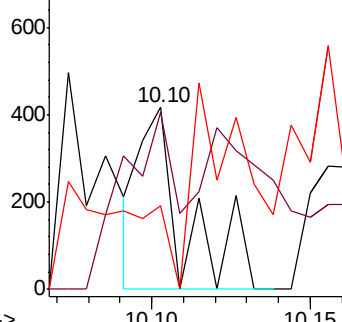
77 45.6 78.8 118.8#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

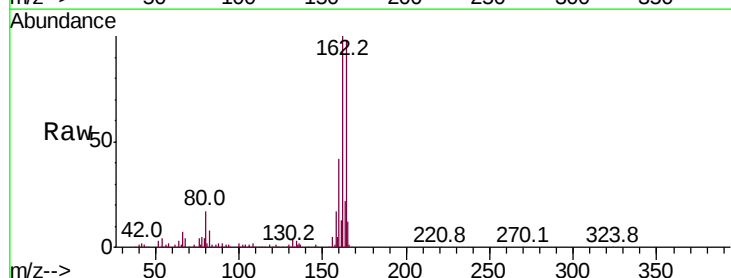
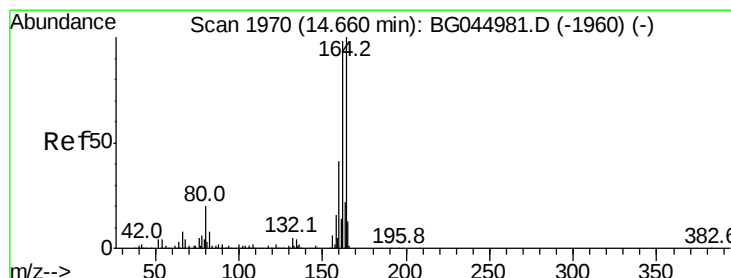
Tgt Ion:164 Resp: 162457

Ion Ratio Lower Upper

164 100

162 101.7 78.7 118.1

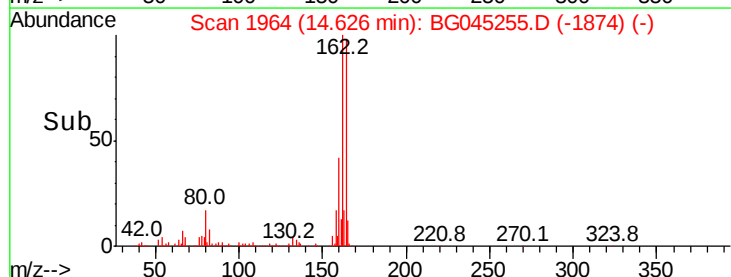
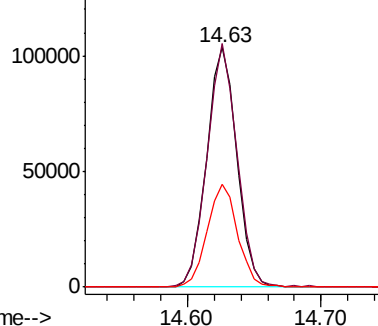
160 42.9 32.8 49.2

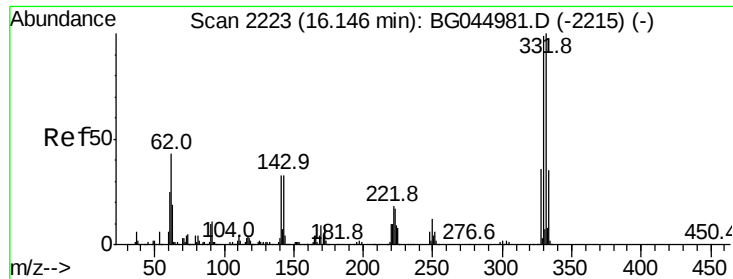


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

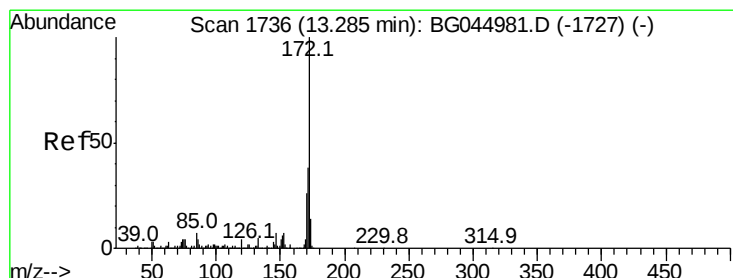
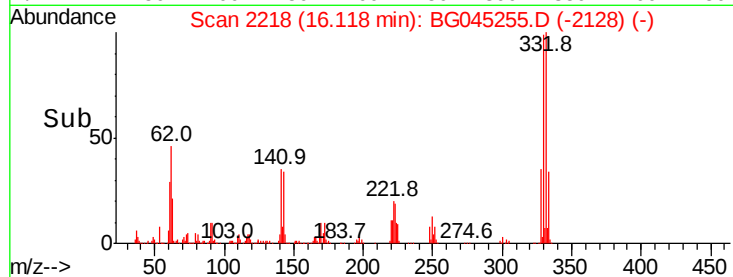
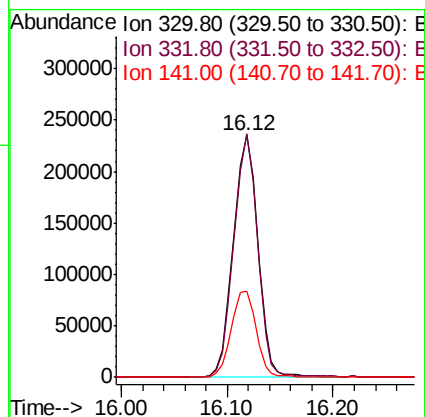
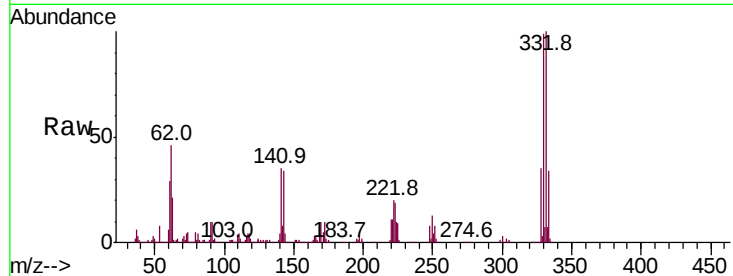




#42
 2,4,6-Tribromophenol
 Concen: 151.108 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045255.D
 Acq: 6 May 2020 16:19

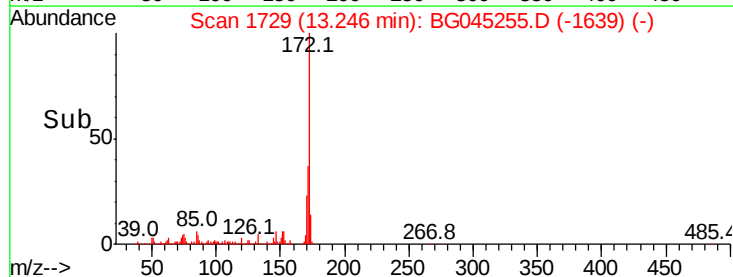
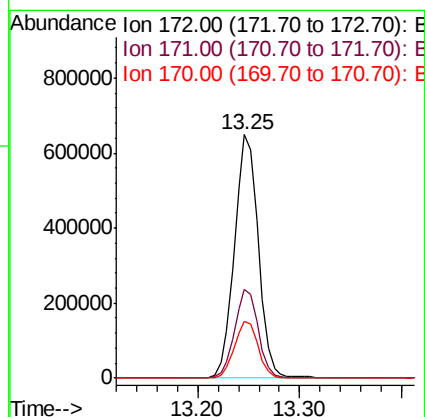
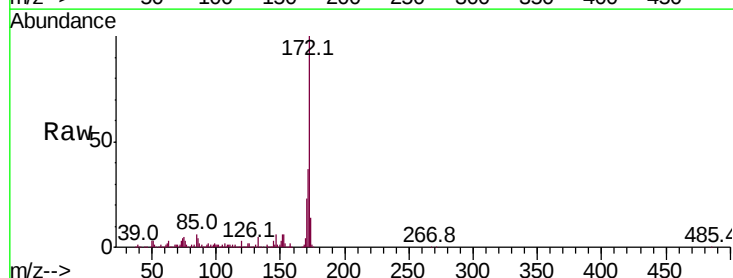
Instrument :
 BNA_G
 ClientSampleId :
 AOC-14

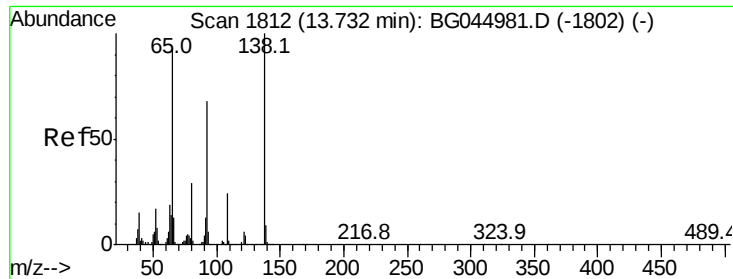
Tot Ion:330 Resp: 379242
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.1 118.7
 141 36.0 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 95.693 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045255.D
 Acq: 6 May 2020 16:19

Tgt Ion:172 Resp: 1060208
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.6 46.0
 170 23.5 20.5 30.7





#48

2-Nitroaniline

Concen: 3.226 ng

RT: 13.53 min Scan# 1777

Delta R.T. -0.17 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

Instrument :

BNA_G

ClientSampleId :

AOC-14

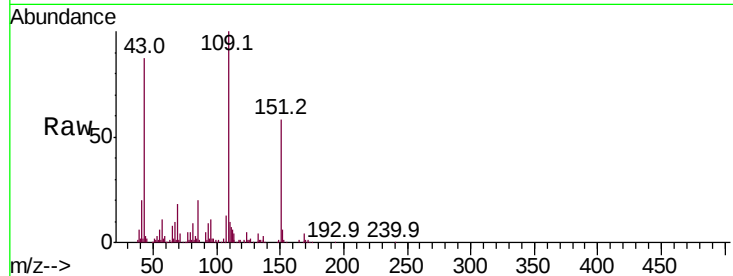
Tot Ion: 65 Resp: 10014

Ion Ratio Lower Upper

65 100

92 7.5 58.3 87.5#

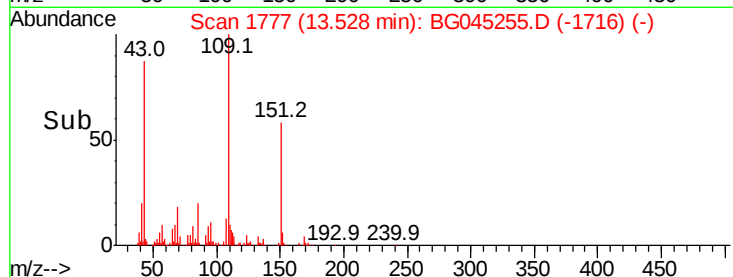
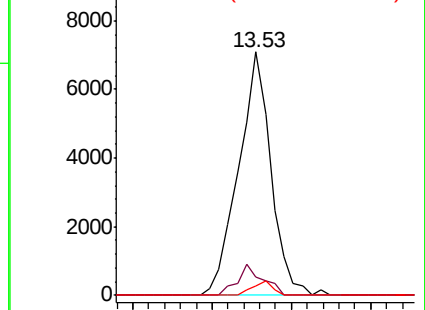
138 3.7 85.6 128.4#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 9.251 ng

RT: 14.07 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

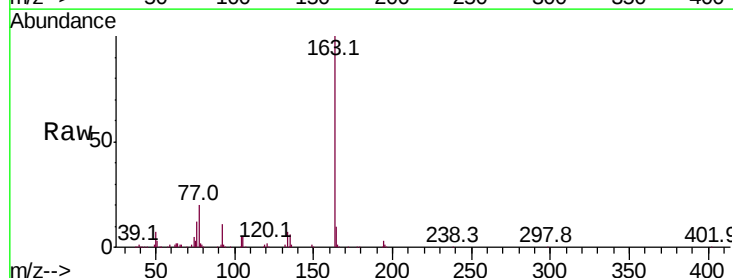
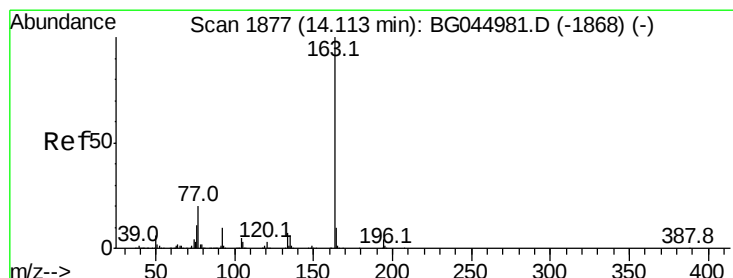
Tgt Ion:163 Resp: 122377

Ion Ratio Lower Upper

163 100

194 3.3 3.5 5.3#

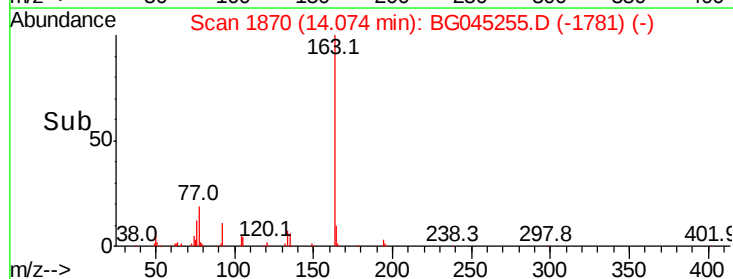
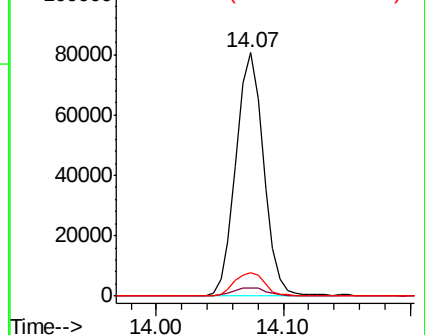
164 9.6 8.2 12.4

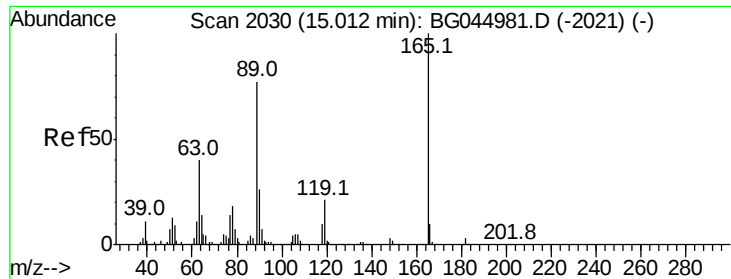


Abundance Ion 163.00 (162.70 to 163.70): BGC

Ion 194.00 (193.70 to 194.70): BGC

Ion 164.00 (163.70 to 164.70): BGC

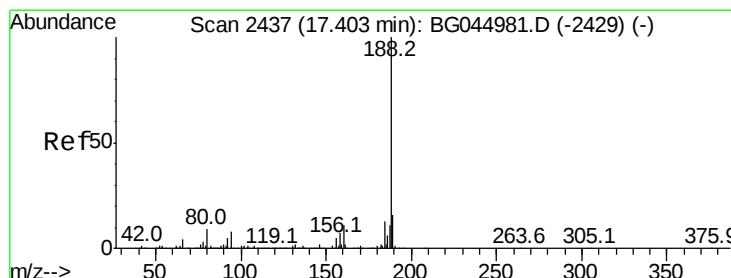
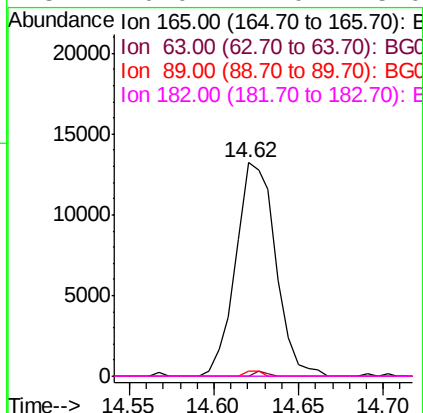
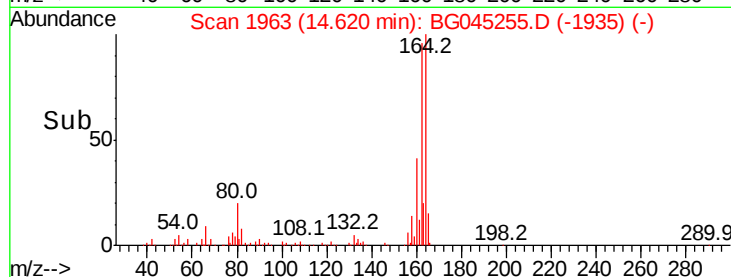
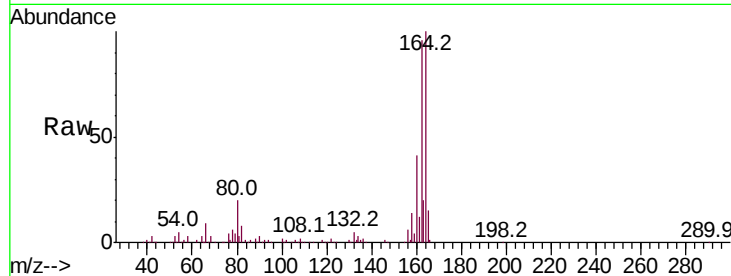




#57
 2,4-Dinitrotoluene
 Concen: 5.029 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.37 min
 Lab File: BG045255.D
 Acq: 6 May 2020 16:19

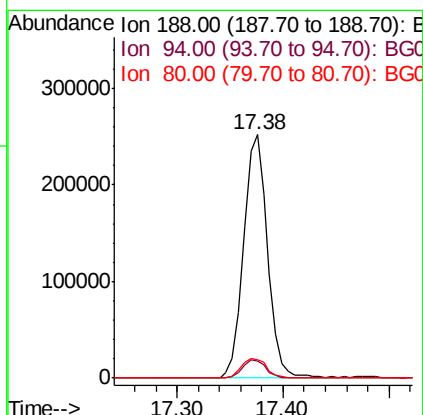
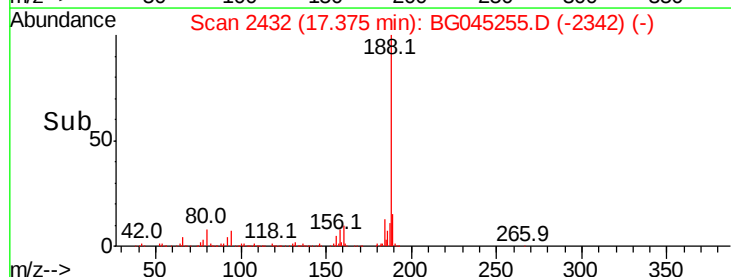
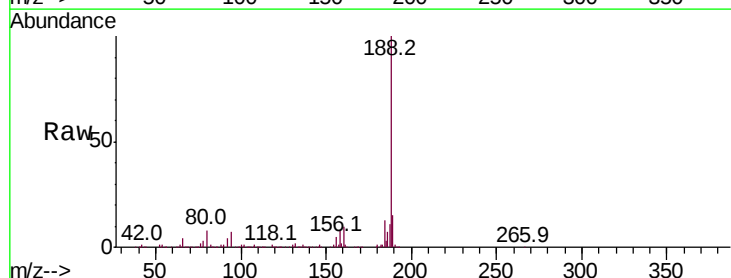
Instrument :
 BNA_G
 ClientSampleId :
 AOC-14

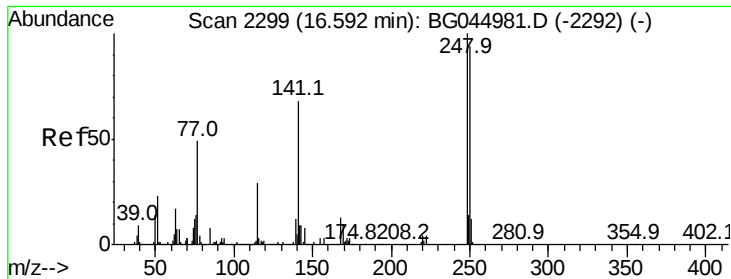
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	2.5	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BG045255.D
 Acq: 6 May 2020 16:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.2	9.4
80	7.8	7.0	10.6

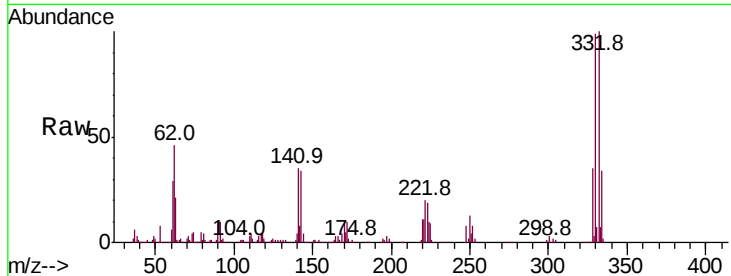




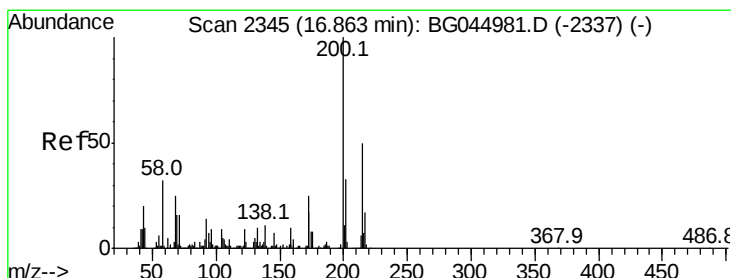
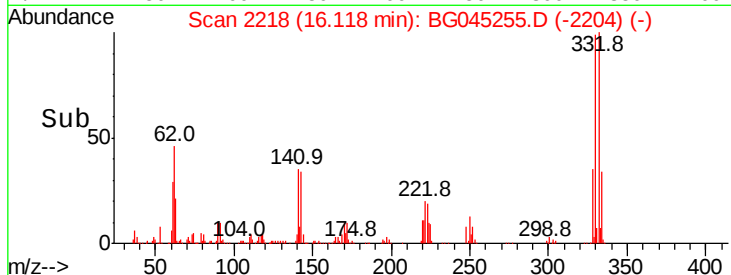
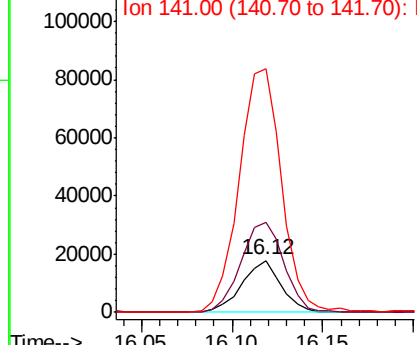
#67
4-Bromophenyl-phenylether
Concen: 5.281 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG045255.D
Acq: 6 May 2020 16:19

Instrument :
BNA_G
ClientSampleId :
AOC-14

Tot Ion:248 Resp: 26912
Ion Ratio Lower Upper
248 100
250 171.8 75.4 113.2#
141 466.0 54.4 81.6#

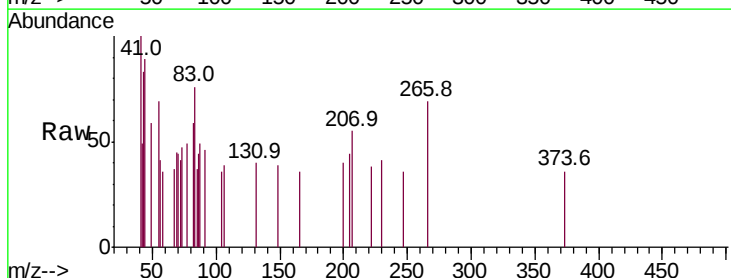


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

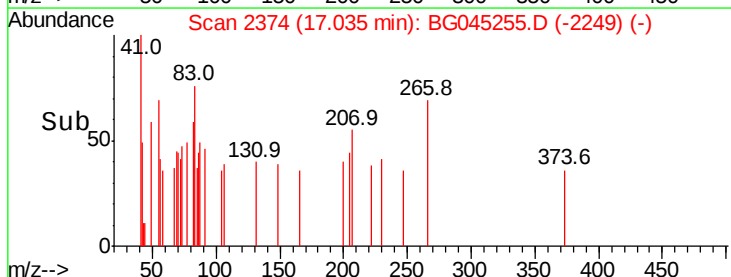
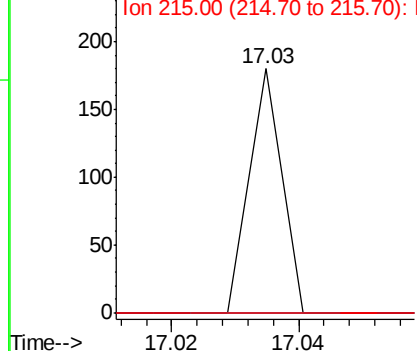


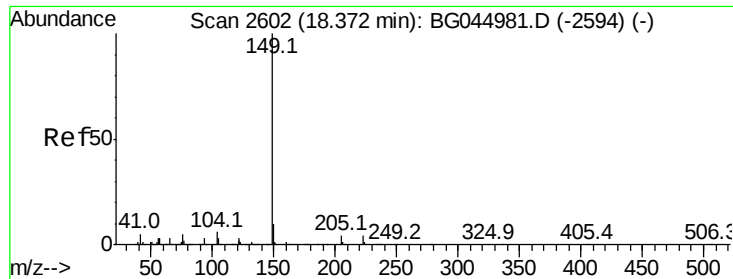
#69
Atrazine
Concen: Below Cal
RT: 17.03 min Scan# 2374
Delta R.T. 0.20 min
Lab File: BG045255.D
Acq: 6 May 2020 16:19

Tgt Ion:200 Resp: 63
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

Instrument :

BNA_G

ClientSampleId :

AOC-14

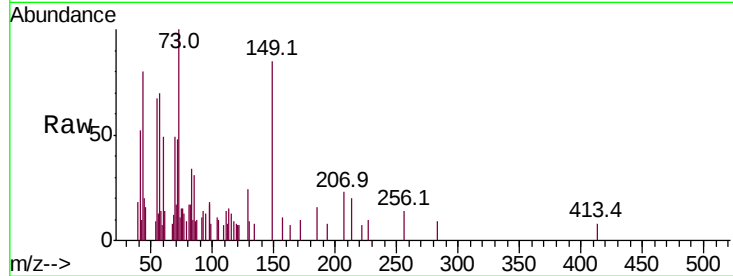
Tot Ion:149 Resp: 3046

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

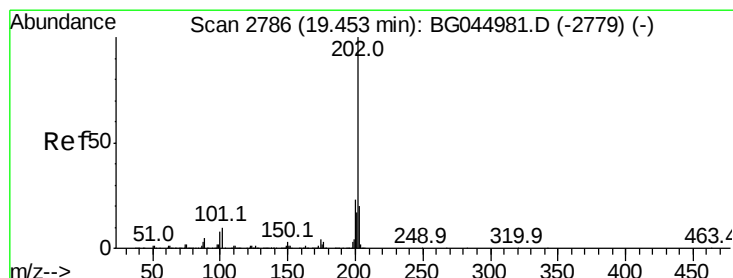
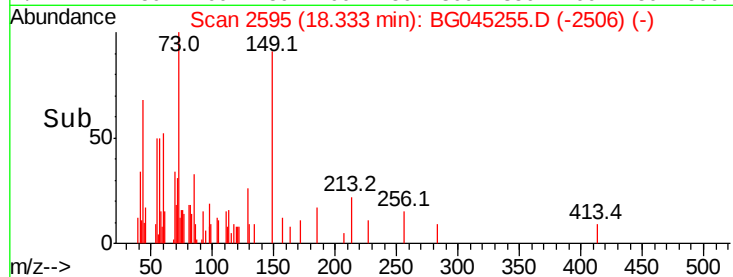
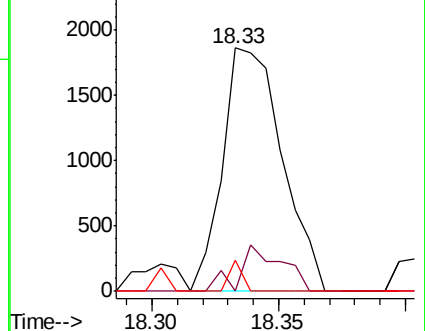
104 12.7 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

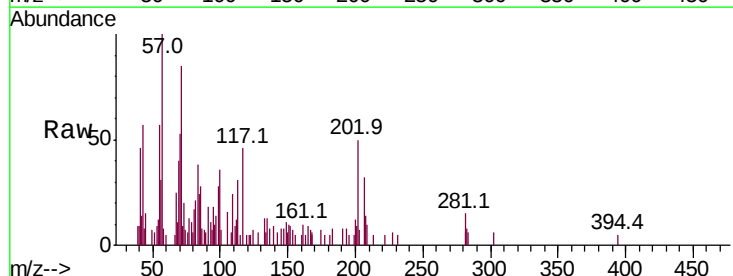
Tgt Ion:202 Resp: 1834

Ion Ratio Lower Upper

202 100

101 13.5 0.0 29.6

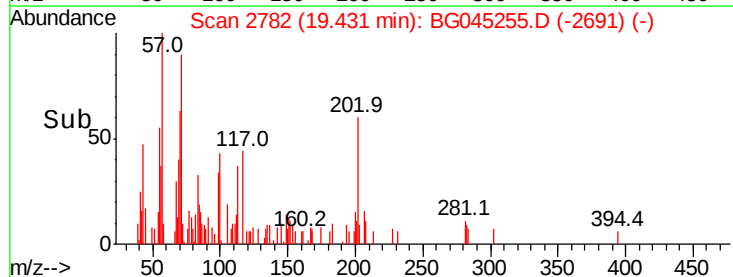
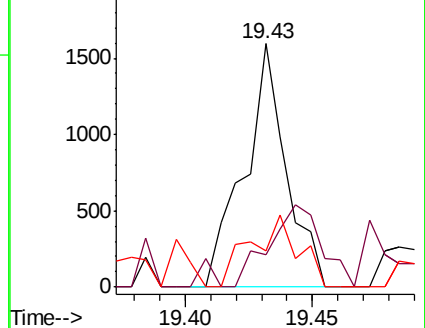
203 14.8 0.0 39.7

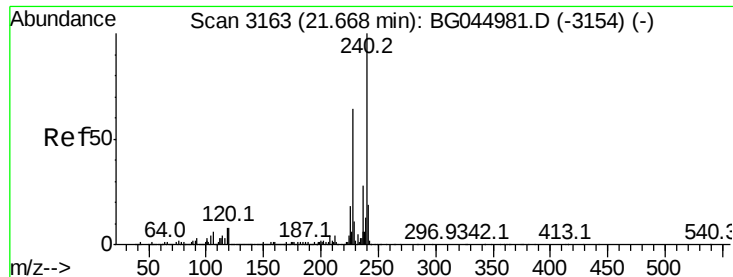


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

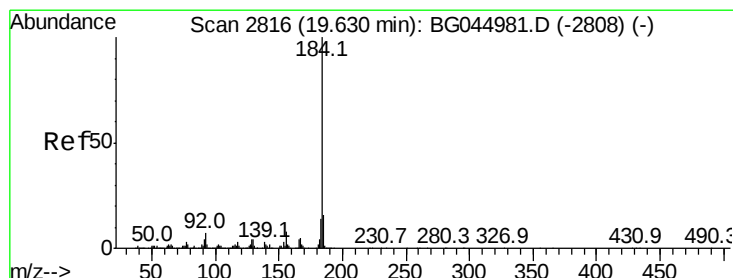
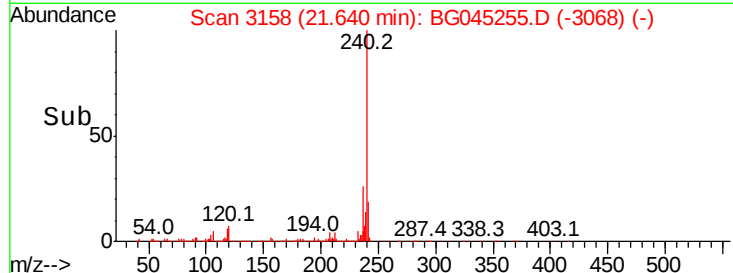
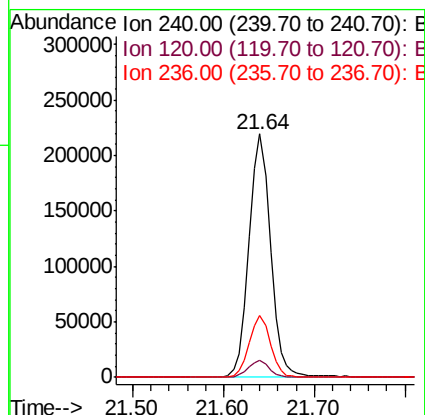
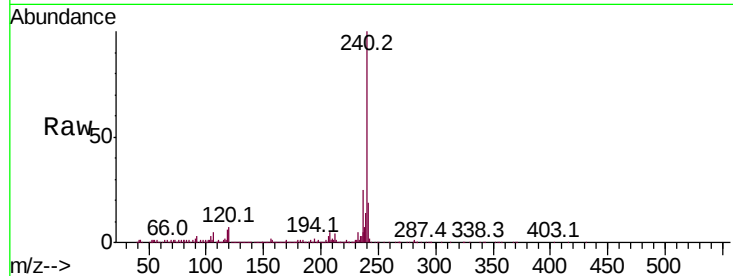




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: BG045255.D
 Acq: 6 May 2020 16:19

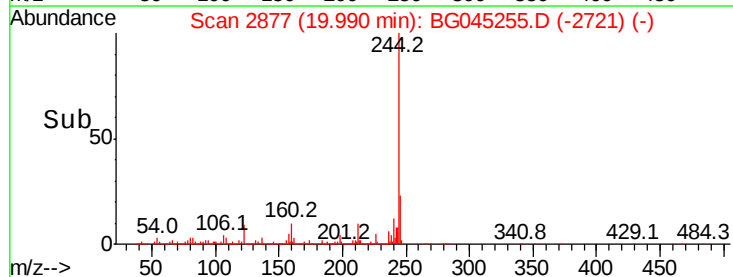
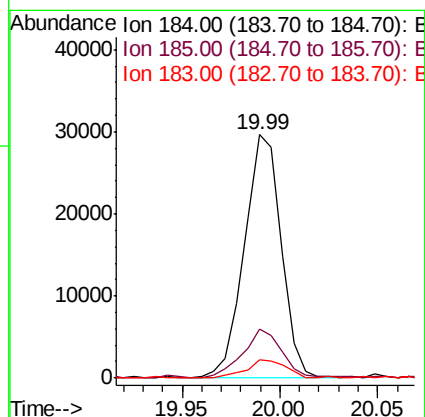
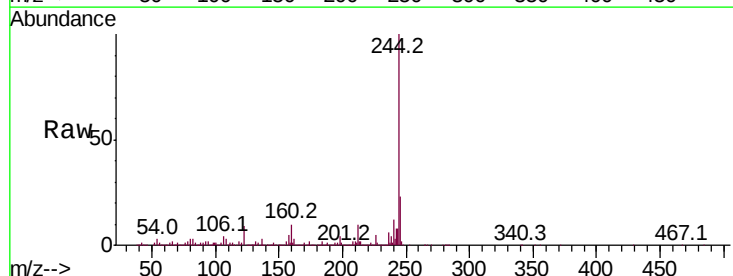
Instrument :
 BNA_G
 ClientSampleID :
 AOC-14

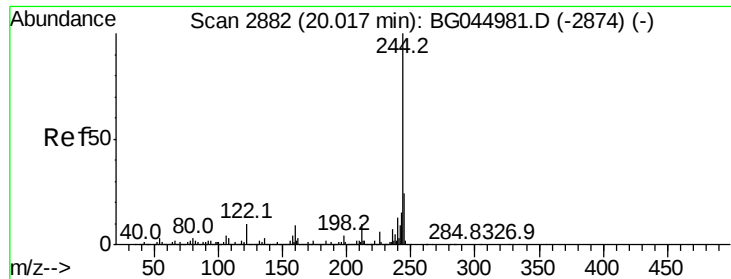
Tot Ion:240 Resp: 363343
 Ion Ratio Lower Upper
 240 100
 120 7.2 6.6 10.0
 236 25.5 22.2 33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 19.99 min Scan# 2877
 Delta R.T. 0.39 min
 Lab File: BG045255.D
 Acq: 6 May 2020 16:19

Tgt Ion:184 Resp: 38832
 Ion Ratio Lower Upper
 184 100
 185 20.1 12.6 19.0#
 183 7.7 11.3 16.9#





#79

Terphenyl-d14

Concen: 117.356 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

Instrument :

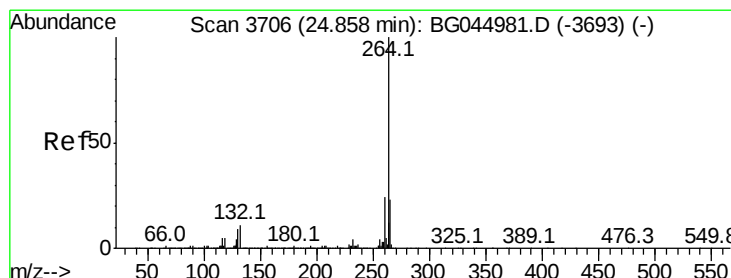
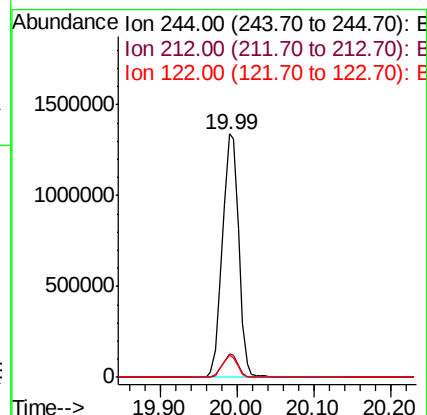
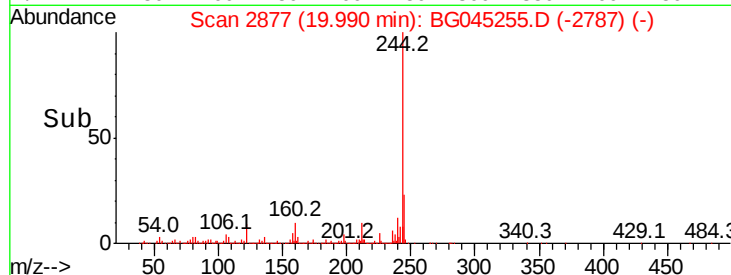
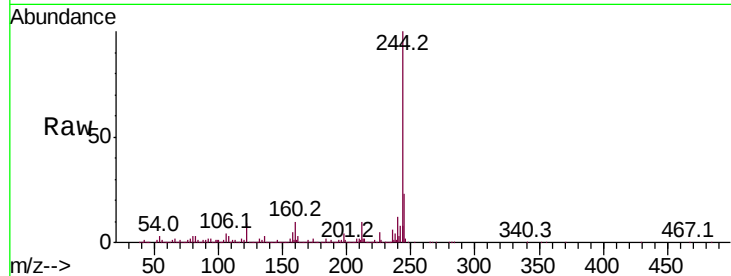
BNA_G

ClientSampleId :

AOC-14

Tot Ion:244 Resp: 1956367

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	9.2	7.7	11.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3699

Delta R.T. 0.00 min

Lab File: BG045255.D

Acq: 6 May 2020 16:19

Tgt Ion:264 Resp: 388138

Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	20.4	19.0	28.4

