

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\
 Data File : BG045234.D
 Acq On : 4 May 2020 15:10
 Operator : CG/JU
 Sample : L2477-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-0D015-03-012

Quant Time: May 04 16:20:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 13:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	66887	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	259141	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	189922	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	439325	20.00	ng	0.00
76) Chrysene-d12	21.64	240	404376	20.00	ng	0.00
87) Perylene-d12	24.82	264	464703	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	2582	0.64	ng	0.01
7) Phenol-d6	7.15	99	72408	12.03	ng	0.00
23) Nitrobenzene-d5	9.15	82	310152	54.61	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	472	0.16	ng	0.02
45) 2-Fluorobiphenyl	13.25	172	762613	58.88	ng	0.00
79) Terphenyl-d14	19.99	244	1290772	69.57	ng	0.00

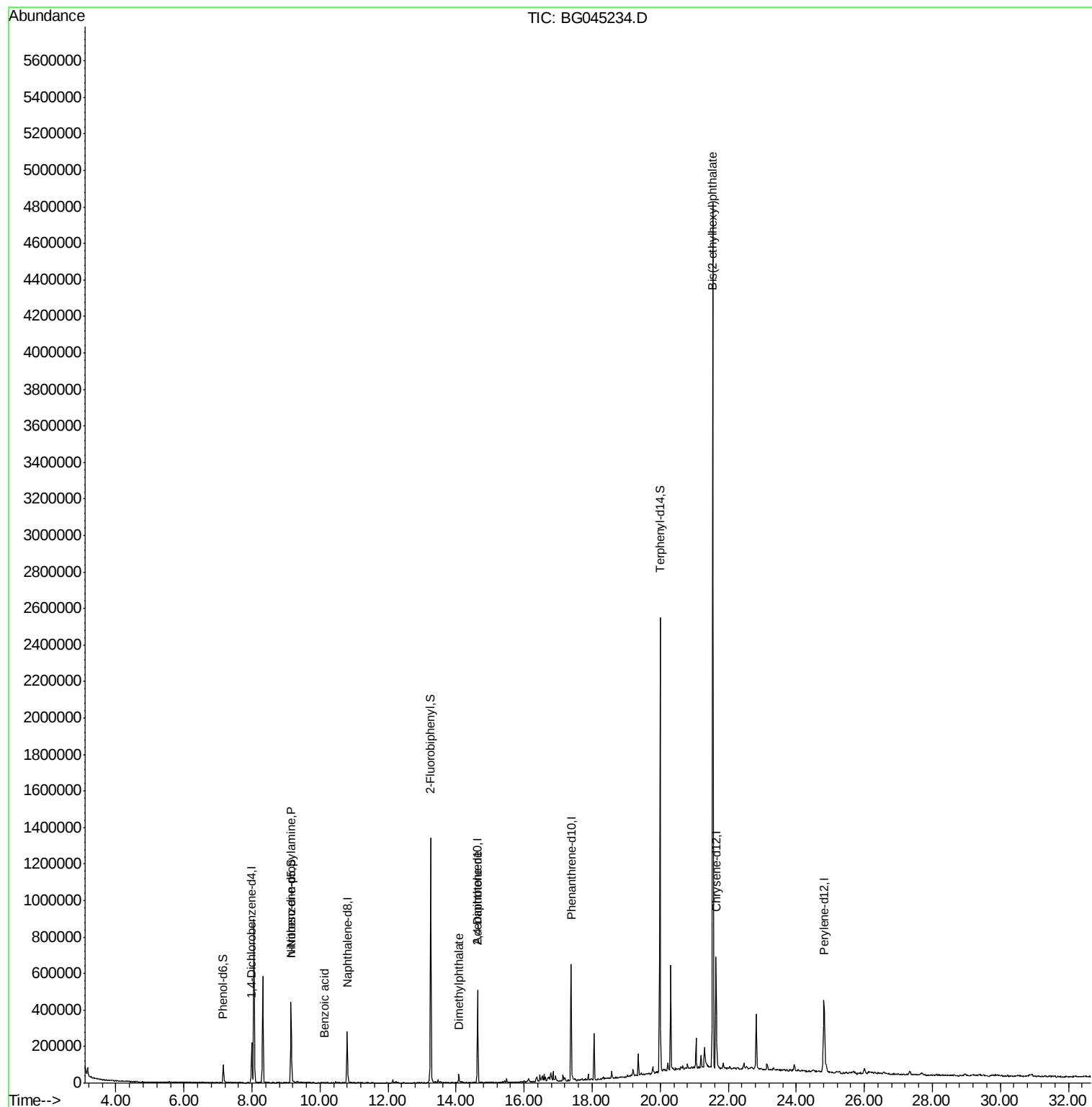
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	1122	Below Cal	#	57
19) n-Nitroso-di-n-propylamine	9.15	70	42327	9.943 ng	#	83
32) Benzoic acid	10.14	122	58	6.389 ng	#	1
50) Dimethylphthalate	14.08	163	35401	2.289 ng	#	97
57) 2,4-Dinitrotoluene	14.63	165	25075	4.961 ng	#	24
69) Atrazine	16.85	200	57	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	8212	Below Cal	#	88
75) Fluoranthene	19.43	202	8843	Below Cal	#	93
77) Benzidine	19.99	184	24089	Below Cal	#	92
84) Bis(2-ethylhexyl)phthalate	21.54	149	2022534	127.259 ng	#	95

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

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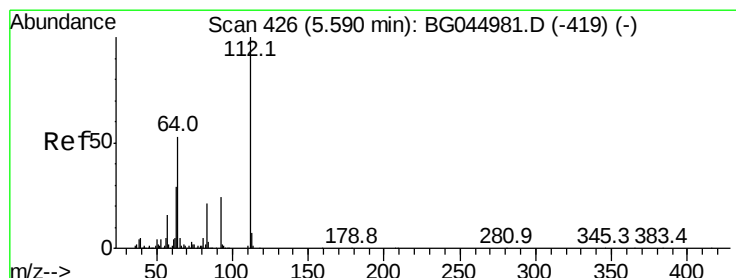
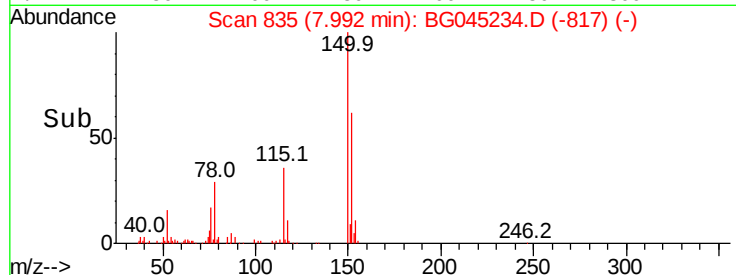
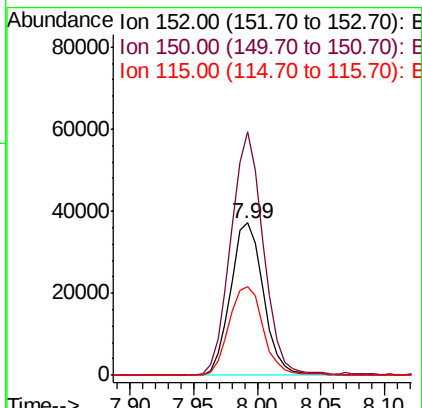
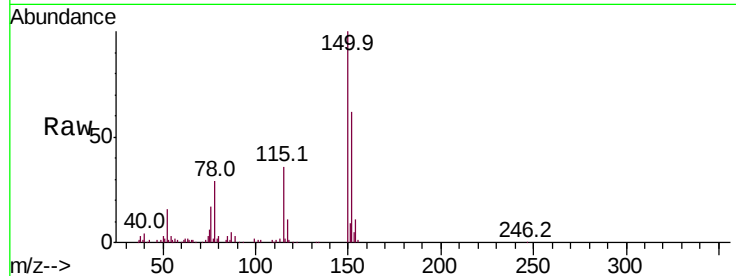


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. 0.01 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-012

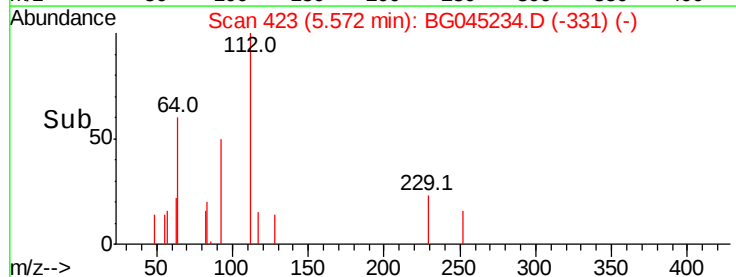
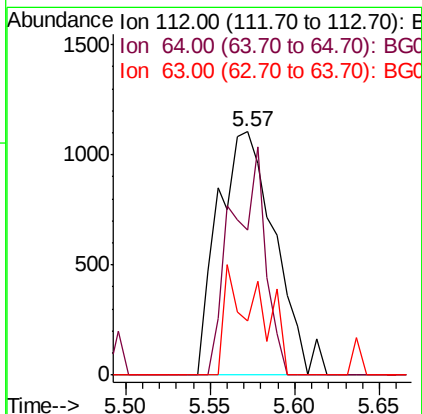
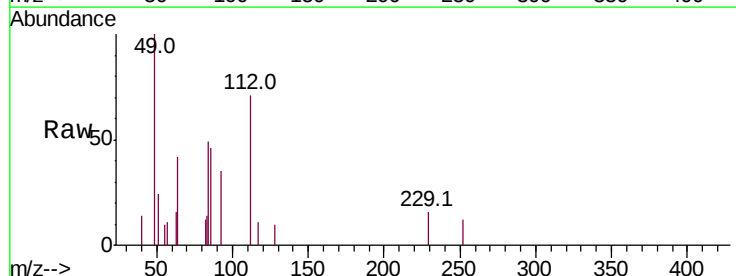
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	123.6	185.4
115	58.1	49.1	73.7

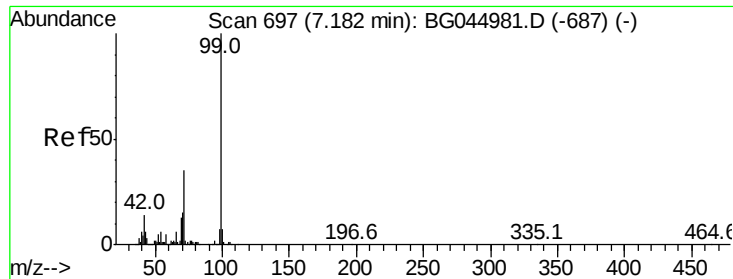


#5

2-Fluorophenol
Concen: 0.637 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	42.4	63.6
63	22.2	23.1	34.7#





#7

Phenol-d6

Concen: 12.029 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-012

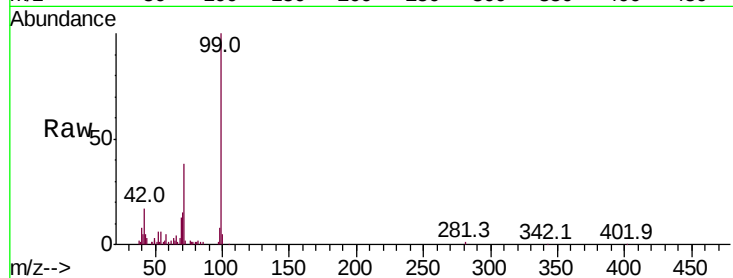
Tot Ion: 99 Resp: 72408

Ion Ratio Lower Upper

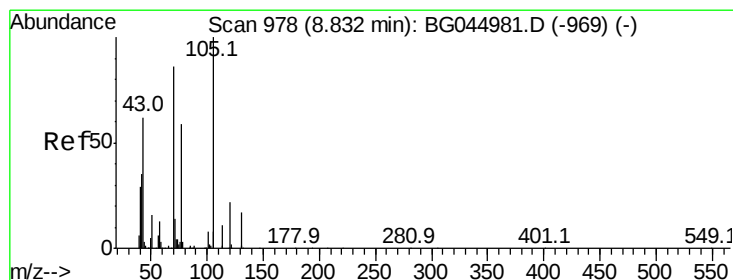
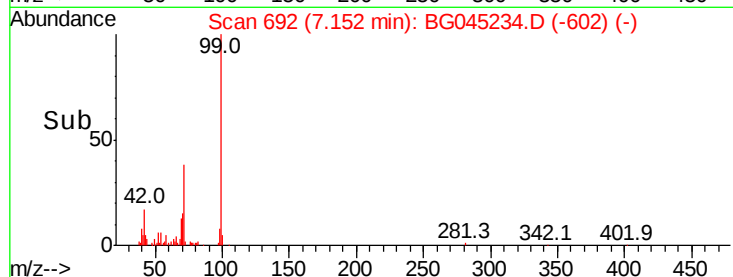
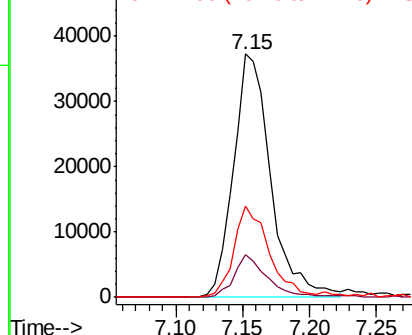
99 100

42 17.5 11.3 16.9#

71 37.6 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 9.943 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

Tgt Ion: 70 Resp: 42327

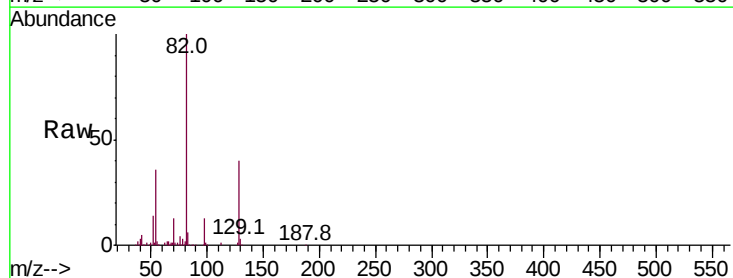
Ion Ratio Lower Upper

70 100

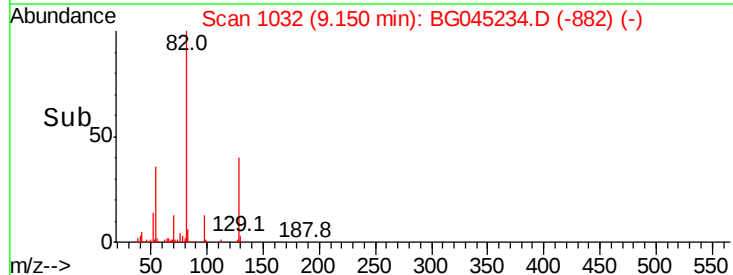
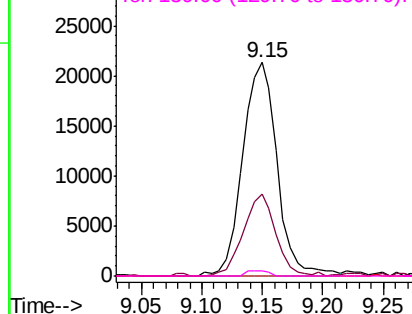
42 38.4 33.3 49.9

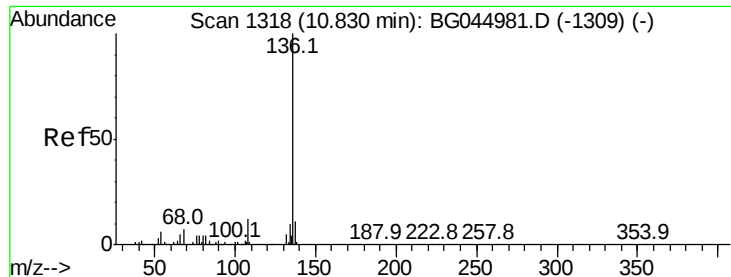
101 0.0 7.8 11.8#

130 2.2 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

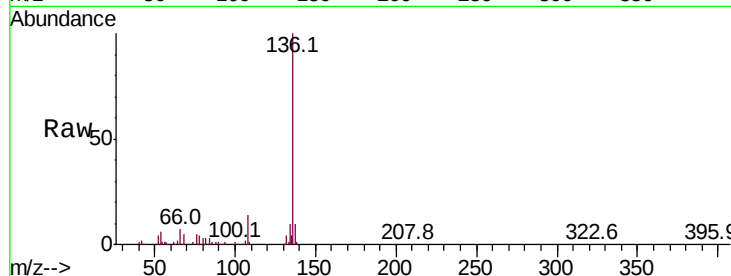




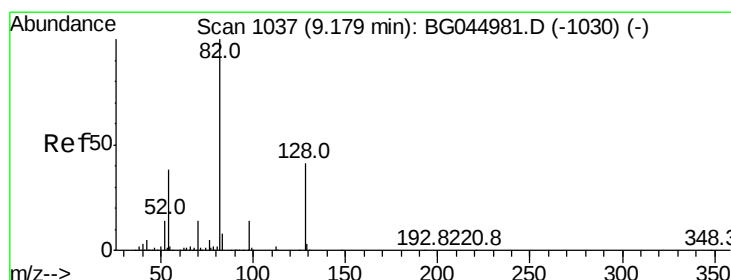
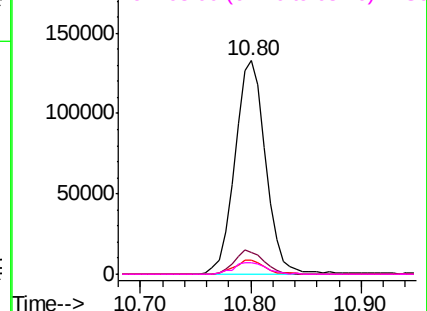
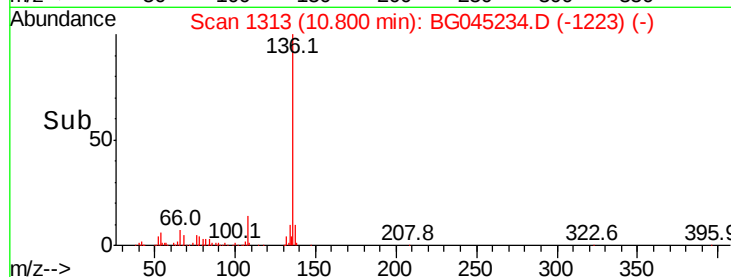
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-012

Tot Ion:	136	Resp:	259141
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.6	13.0
54	6.4	4.8	7.2
68	5.4	5.2	7.8

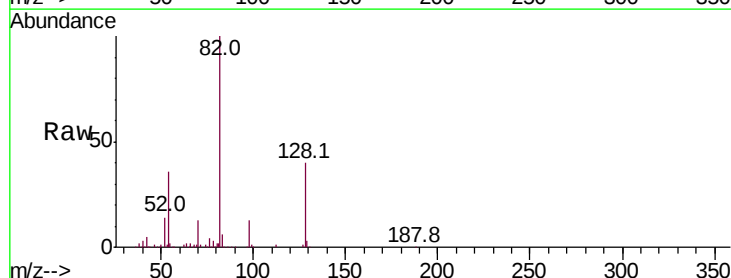


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

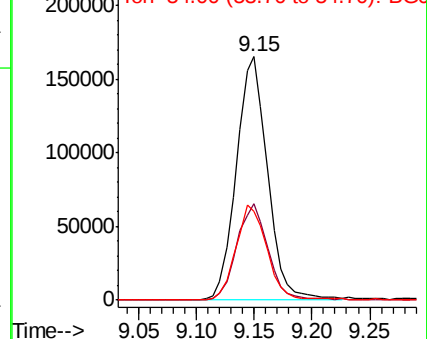
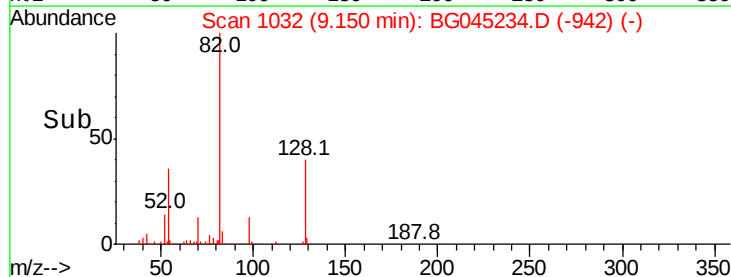


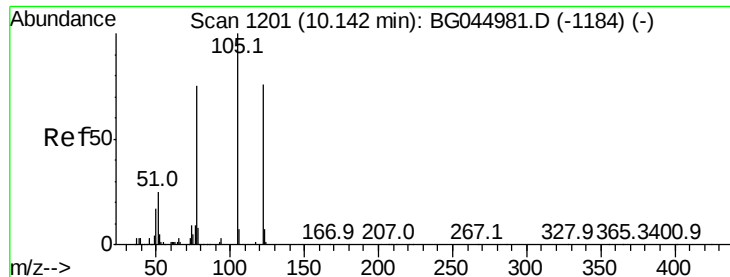
#23
Nitrobenzene-d5
Concen: 54.611 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Tgt Ion:	82	Resp:	310152
Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.0	49.4
54	36.4	30.4	45.6



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

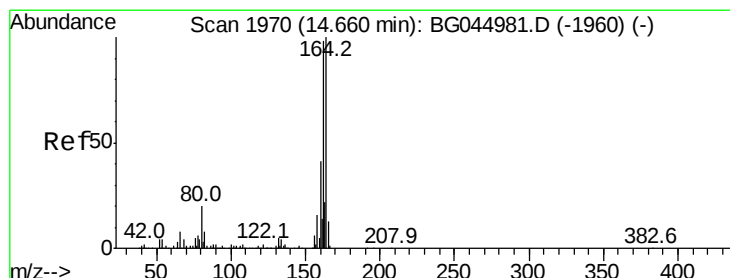
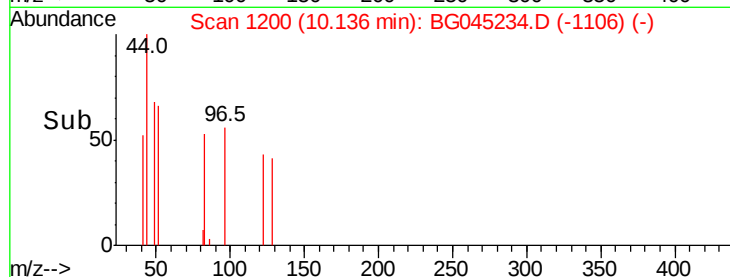
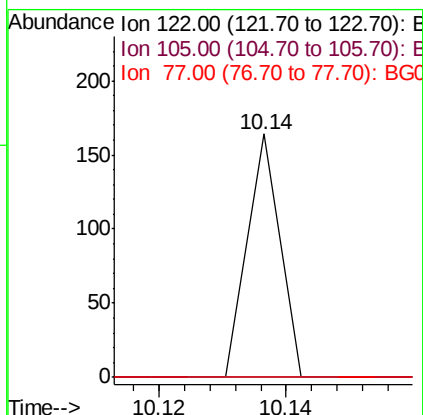
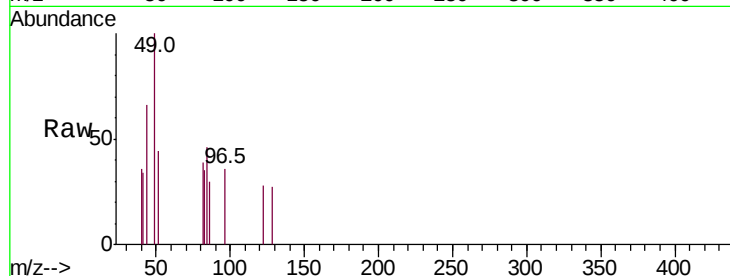




#32
Benzoic acid
Concen: 6.389 ng
RT: 10.14 min Scan# 1200
Delta R.T. 0.02 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

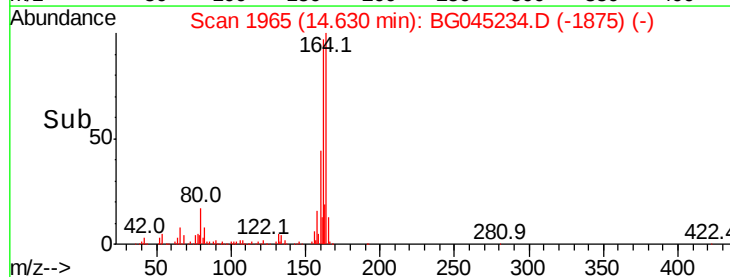
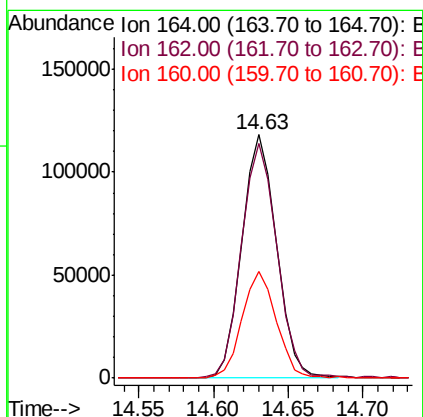
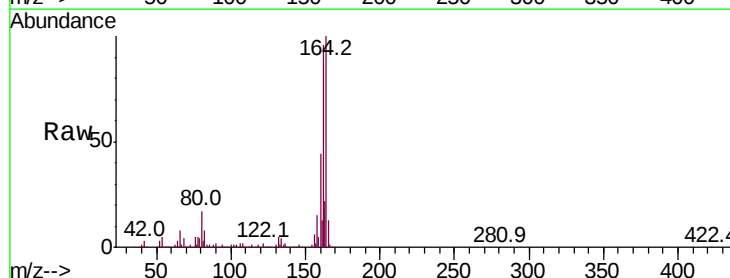
Instrument :
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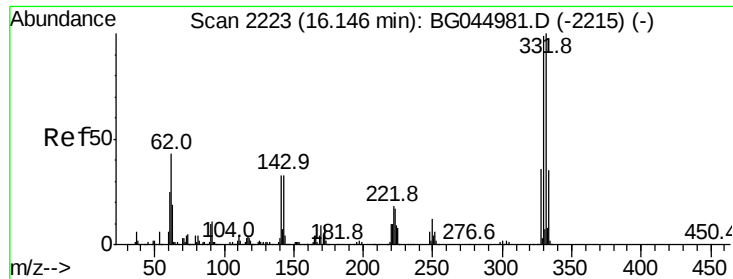
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.4	78.7	118.1
160	43.8	32.8	49.2

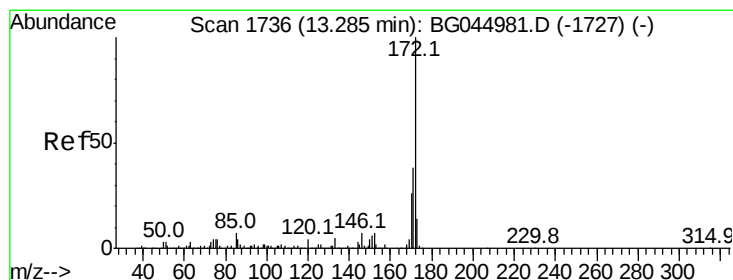
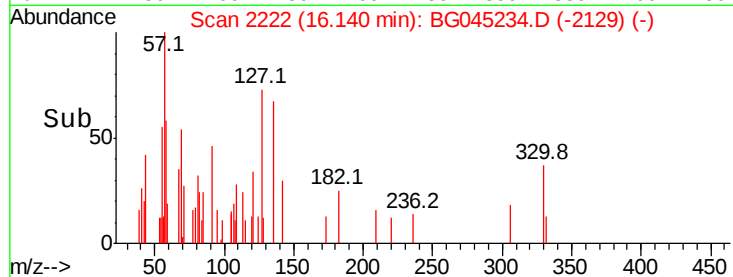
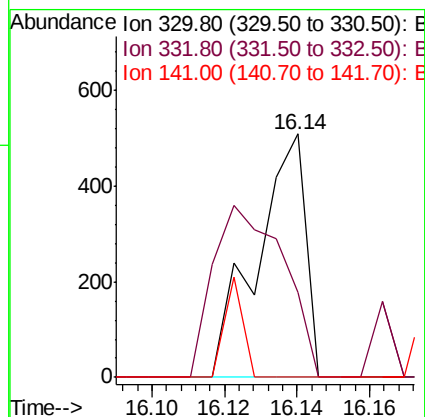
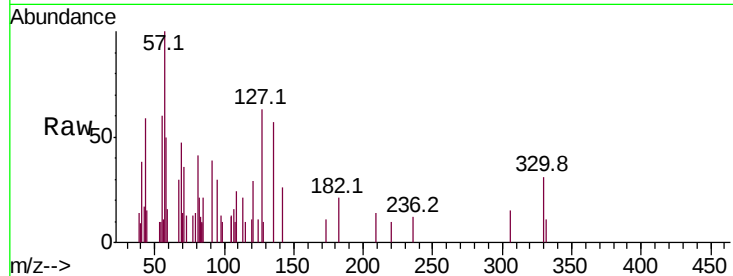




#42
 2,4,6-Tribromophenol
 Concen: 0.161 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. 0.02 min
 Lab File: BG045234.D
 Acq: 4 May 2020 15:10

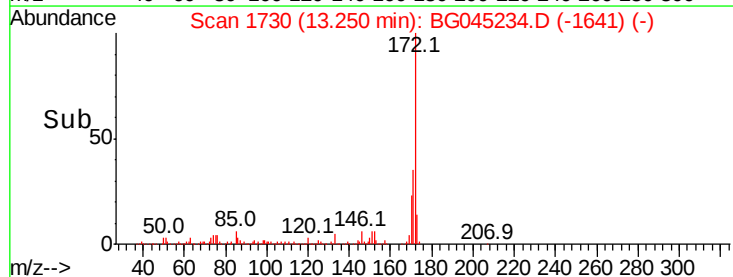
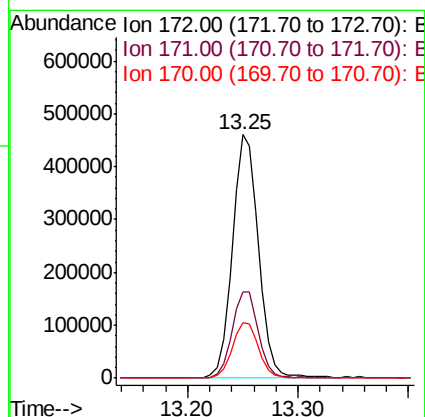
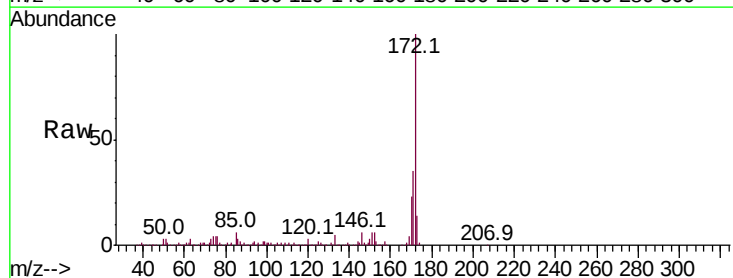
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 BNA_G
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 FK-0D015-03-012

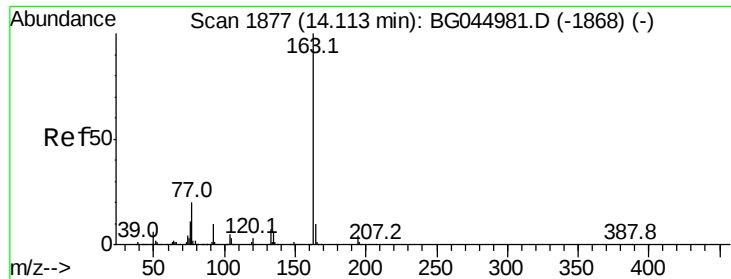
Tot Ion:330 Resp: 472
 Ion Ratio Lower Upper
 330 100
 332 102.5 79.1 118.7
 141 15.7 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 58.879 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG045234.D
 Acq: 4 May 2020 15:10

Tgt Ion:172 Resp: 762613
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.6 46.0
 170 22.8 20.5 30.7

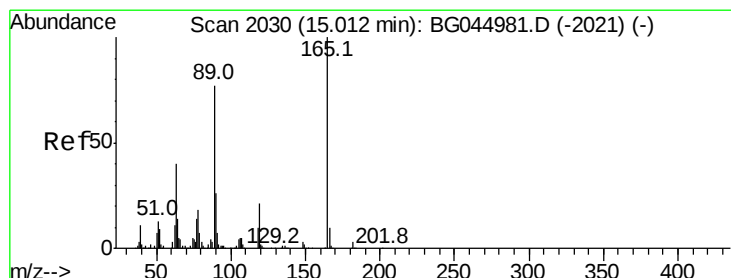
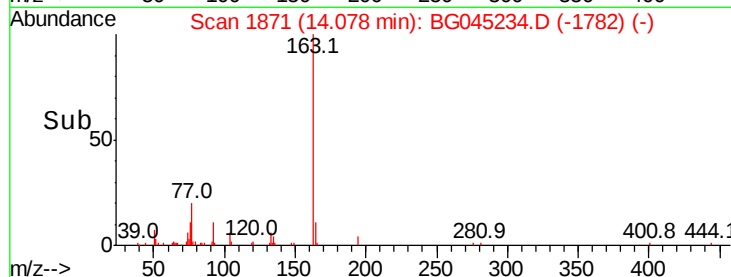
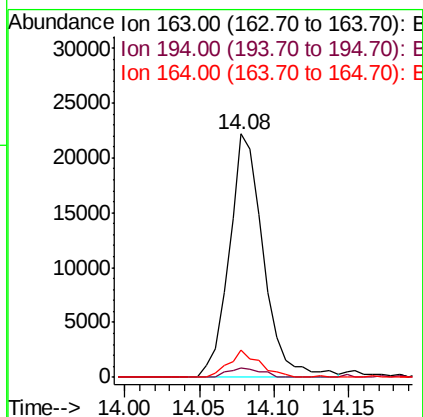
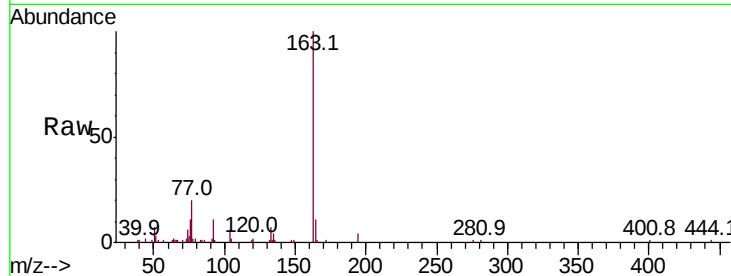




#50
Dimethylphthalate
Concen: 2.289 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

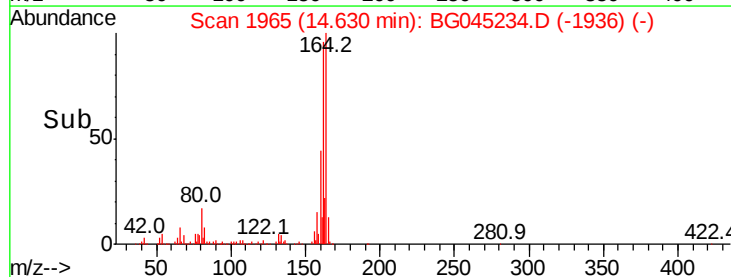
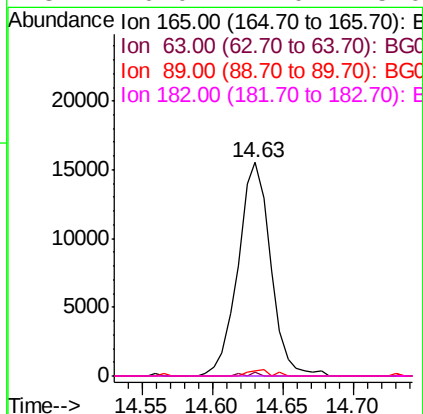
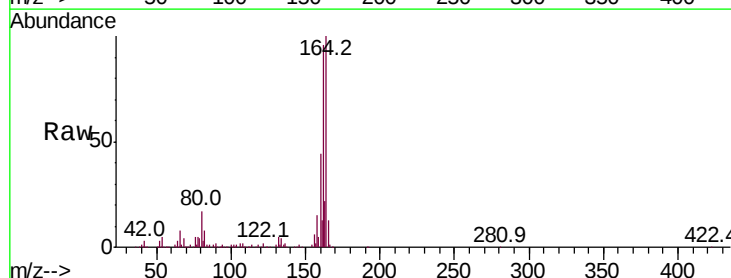
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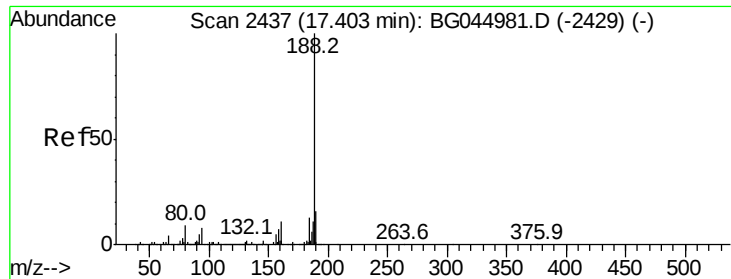
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	11.4	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 4.961 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.36 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	32.2	48.2#
89	2.6	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-012

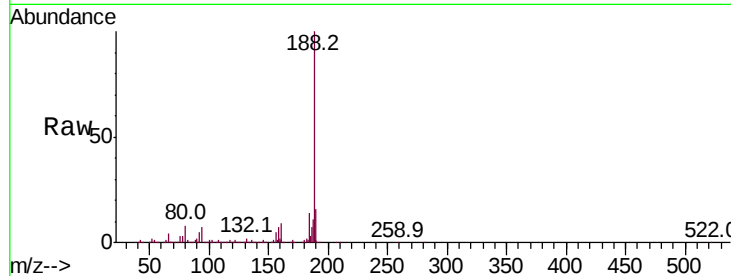
Tot Ion:188 Resp: 439325

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

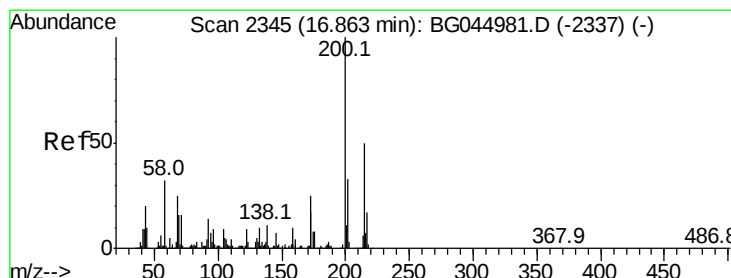
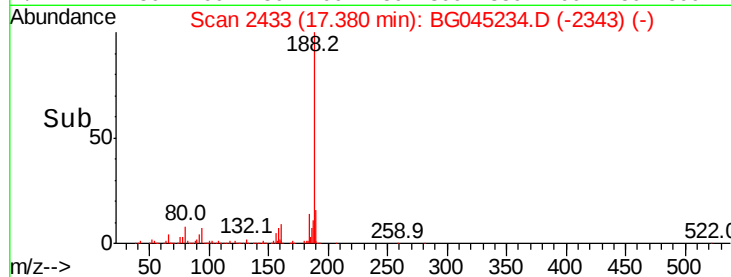
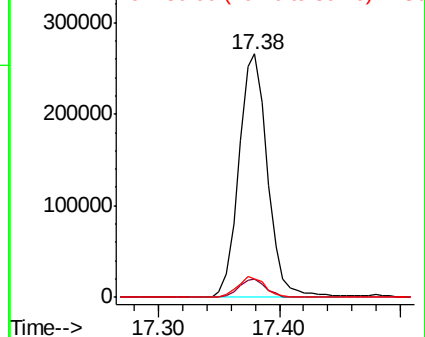
80 7.7 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. 0.01 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

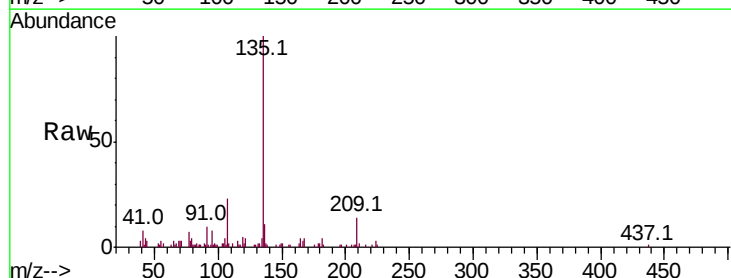
Tgt Ion:200 Resp: 57

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

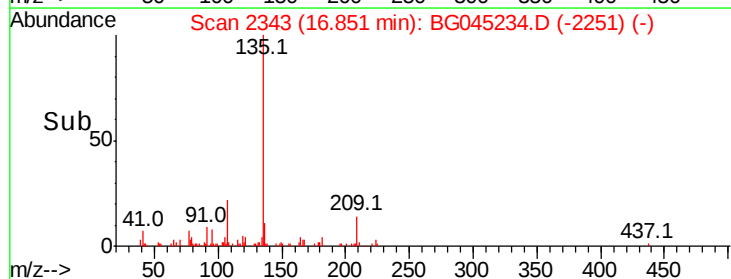
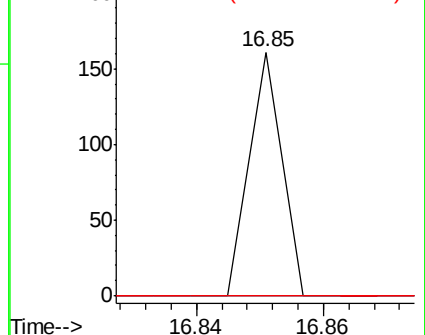
215 0.0 30.0 70.0#

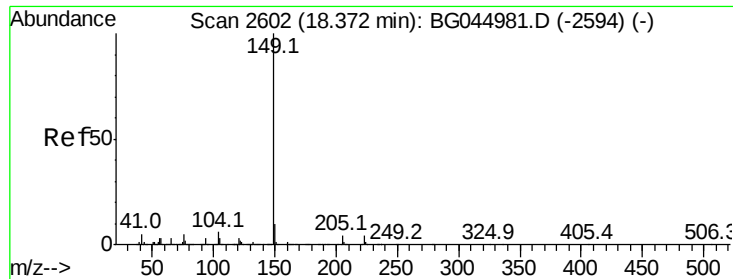


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

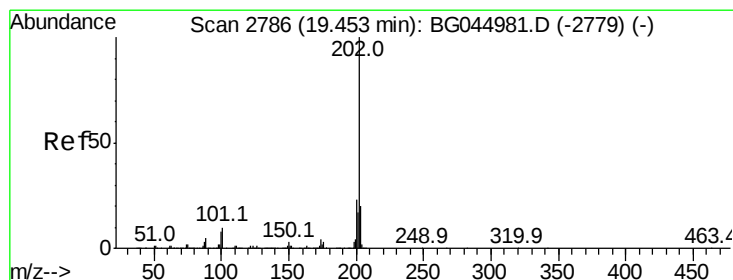
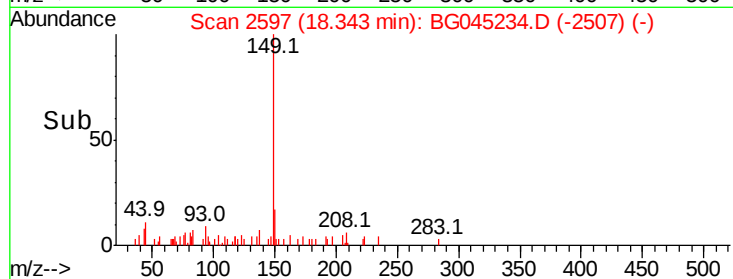
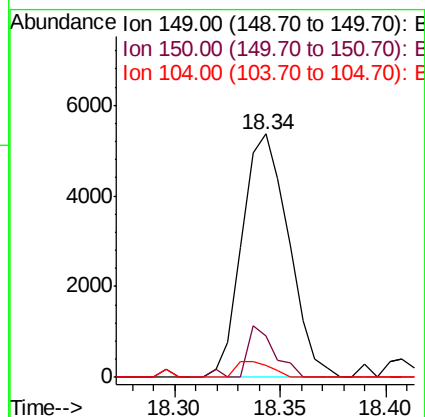
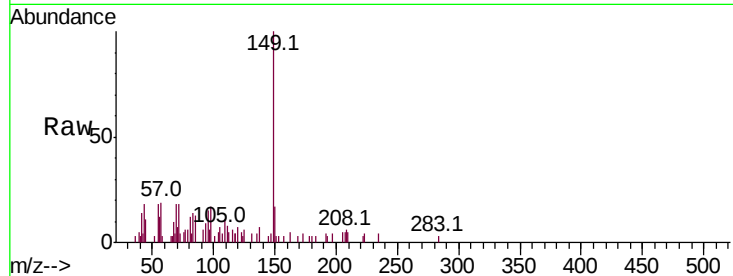




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.34 min Scan# 2597
Delta R.T. -0.00 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

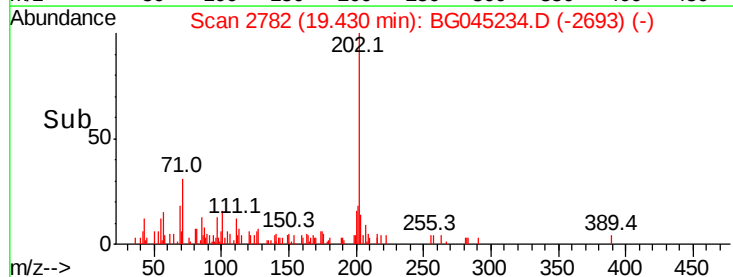
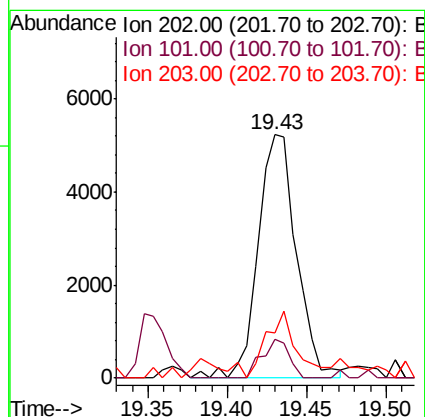
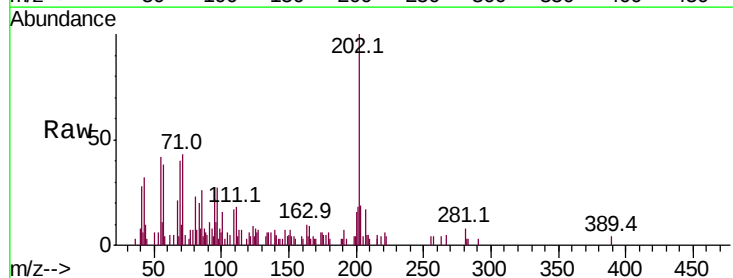
Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-012

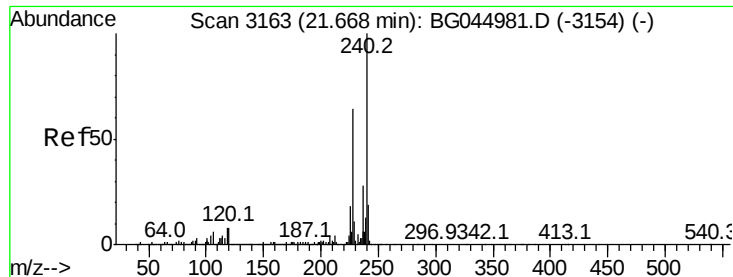
Tot Ion:149 Resp: 8212
Ion Ratio Lower Upper
149 100
150 16.8 8.2 12.2#
104 4.8 4.8 7.2



#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2782
Delta R.T. -0.01 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Tgt Ion:202 Resp: 8843
Ion Ratio Lower Upper
202 100
101 15.8 0.0 29.6
203 18.7 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-012

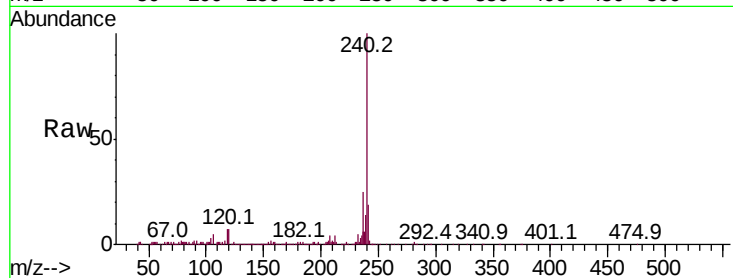
Tot Ion:240 Resp: 404376

Ion Ratio Lower Upper

240 100

120 7.1 6.6 10.0

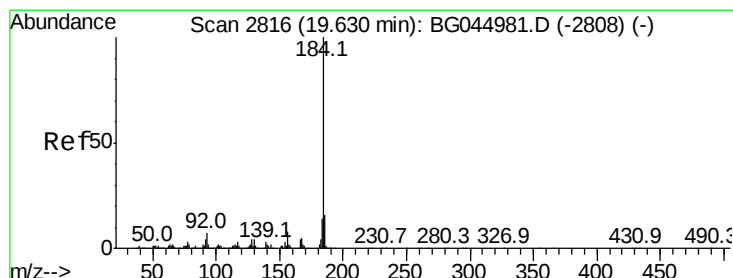
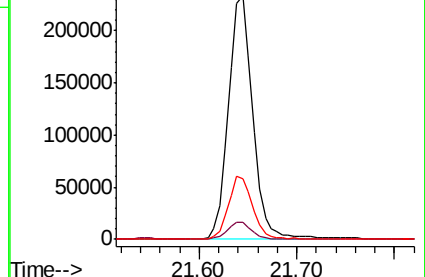
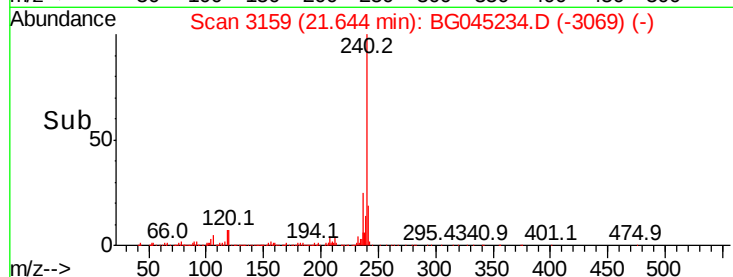
236 24.8 22.2 33.2



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



#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

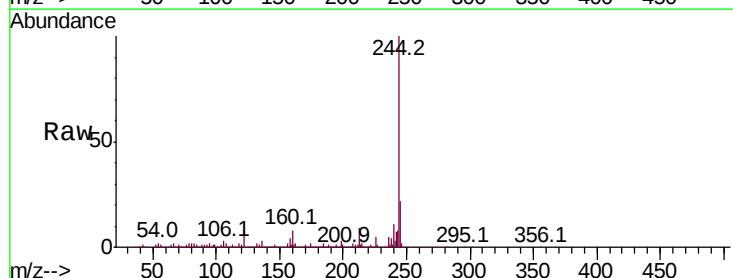
Tgt Ion:184 Resp: 24089

Ion Ratio Lower Upper

184 100

185 14.7 12.6 19.0

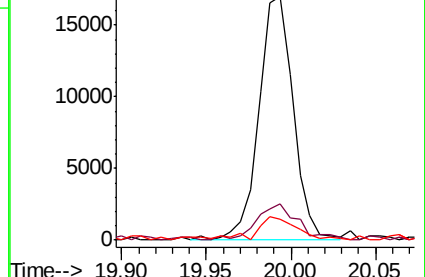
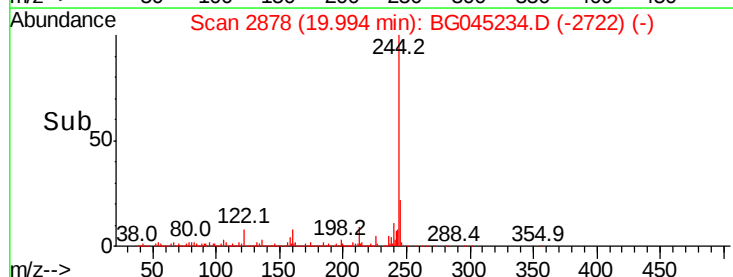
183 8.6 11.3 16.9#

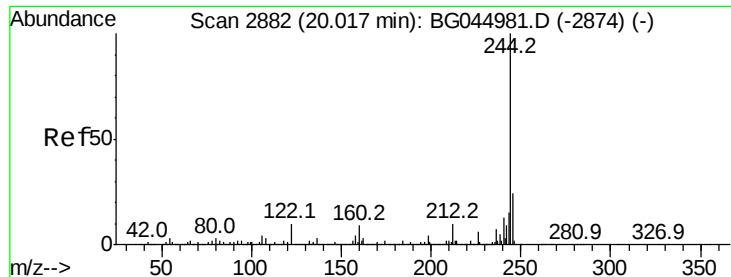


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 69.572 ng

RT: 19.99 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-012

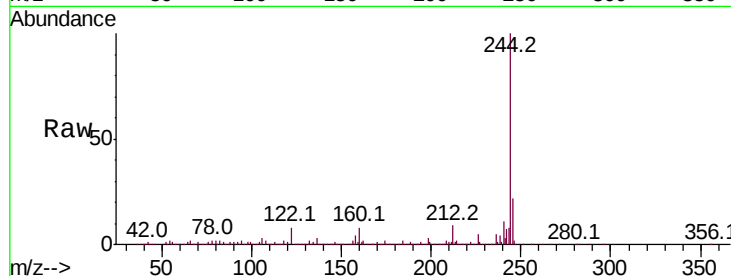
Tot Ion:244 Resp: 1290772

Ion Ratio Lower Upper

244 100

212 8.8 7.9 11.9

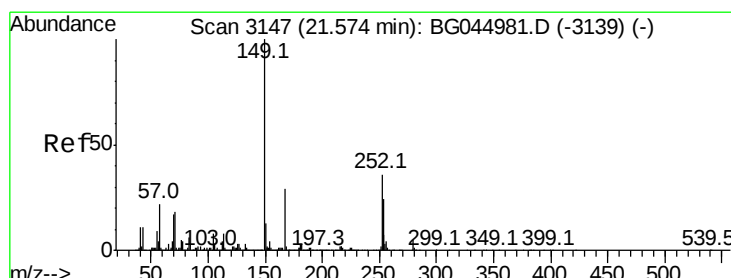
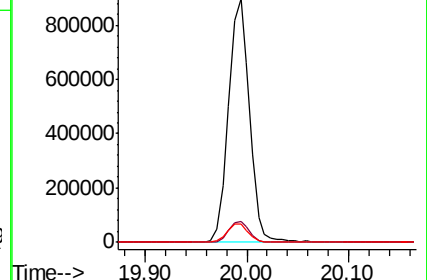
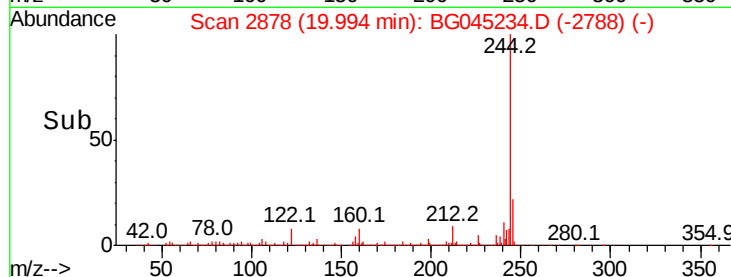
122 7.7 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 127.259 ng

RT: 21.54 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG045234.D

Acq: 4 May 2020 15:10

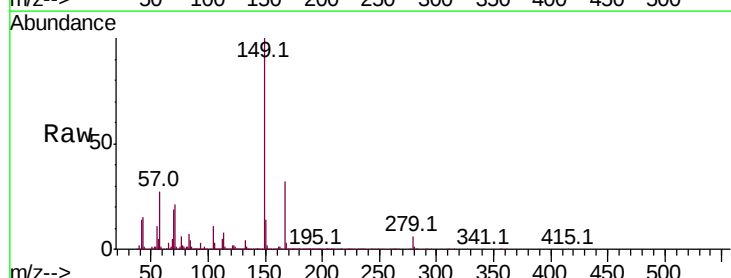
Tgt Ion:149 Resp: 2022534

Ion Ratio Lower Upper

149 100

167 32.2 23.4 35.0

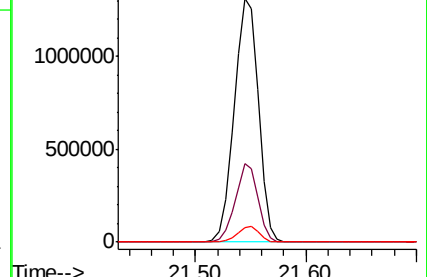
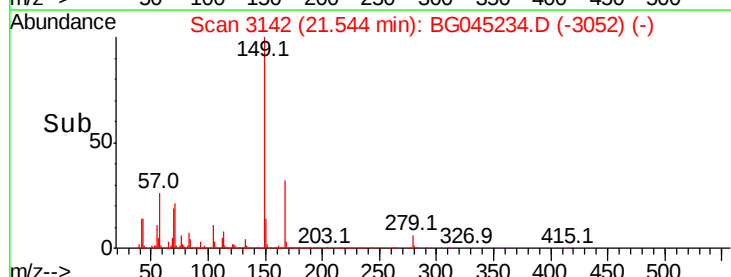
279 6.2 4.3 6.5

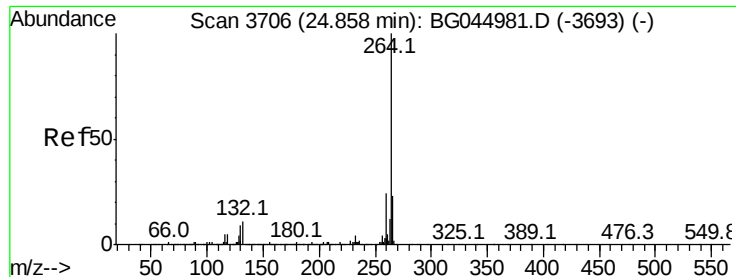


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.01 min
Lab File: BG045234.D
Acq: 4 May 2020 15:10

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-012

Tot Ion:	264	Resp:	464703
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	20.7	19.0	28.4

