

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG062220\
 Data File : BG045825.D
 Acq On : 22 Jun 2020 13:16
 Operator : CG/JU
 Sample : L3033-08DL2 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW009-200616DL2

Quant Time: Jun 22 13:56:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	44692	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	177936	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	133090	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	326841	20.00	ng	0.00
76) Chrysene-d12	21.57	240	330191	20.00	ng	0.00
86) Perylene-d12	24.70	264	354223	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	2795	1.06	ng	0.00
7) Phenol-d6	7.16	99	1734	0.43	ng	0.00
23) Nitrobenzene-d5	9.10	82	5136	1.32	ng	0.01
42) 2,4,6-Tribromophenol	16.07	330	5193	2.58	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	17280	1.91	ng	0.00
79) Terphenyl-d14	19.93	244	34606	2.12	ng	0.00

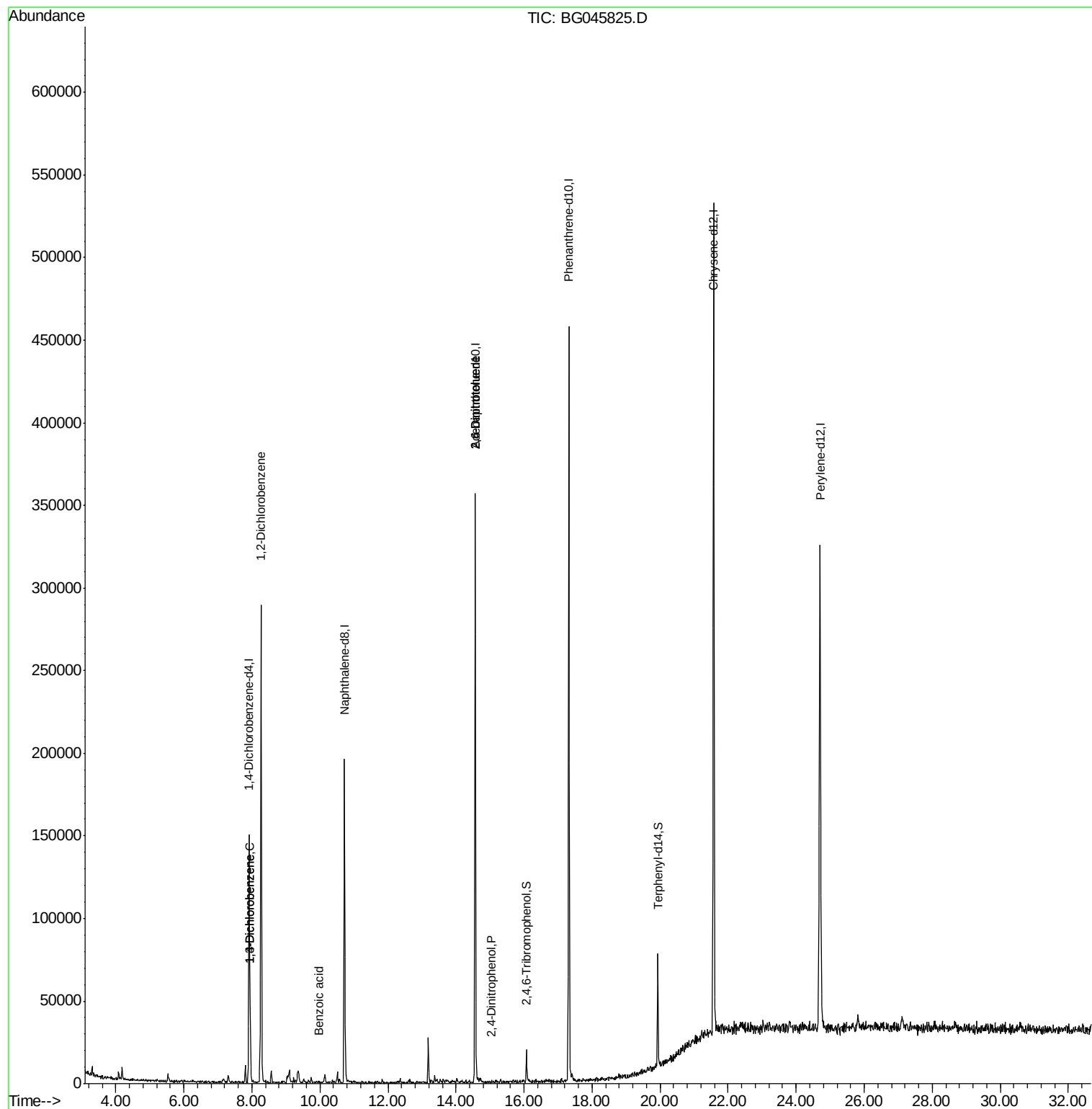
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	7.95	146	18261	5.411	ng	94
13) 1,4-Dichlorobenzene	7.95	146	18261	5.417	ng	94
14) 1,2-Dichlorobenzene	8.27	146	127426	39.486	ng	98
32) Benzoic acid	9.97	122	54	9.003	ng	# 1
51) 2,6-Dinitrotoluene	14.57	165	16887	7.211	ng	# 26
54) 2,4-Dinitrophenol	15.03	184	65	9.869	ng	# 17
57) 2,4-Dinitrotoluene	14.57	165	16887	5.033	ng	# 25

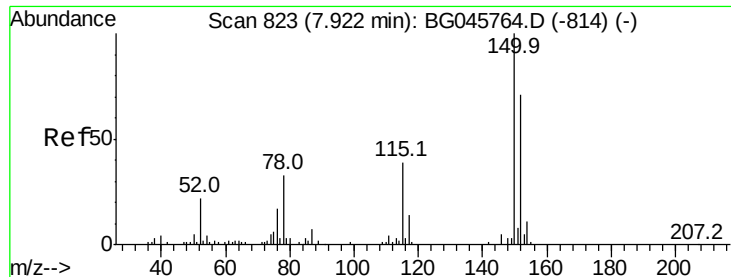
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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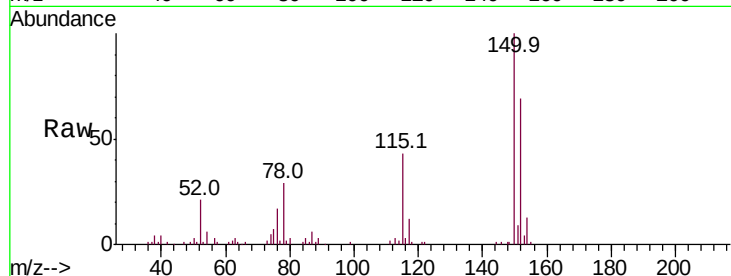


#1

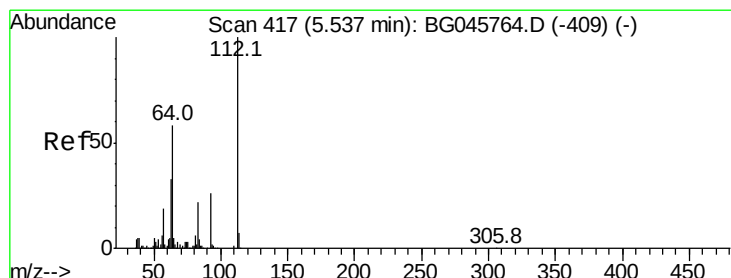
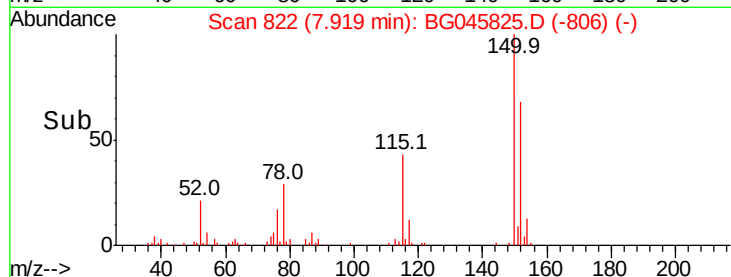
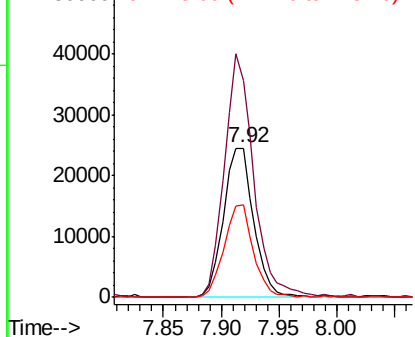
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045825.D
Acq: 22 Jun 2020 13:16

Instrument :
BNA_G
ClientSampleId :
SS043MW009-200616DL2

Tot Ion:152 Resp: 44692
Ion Ratio Lower Upper
152 100
150 145.2 113.1 169.7
115 62.3 43.8 65.6



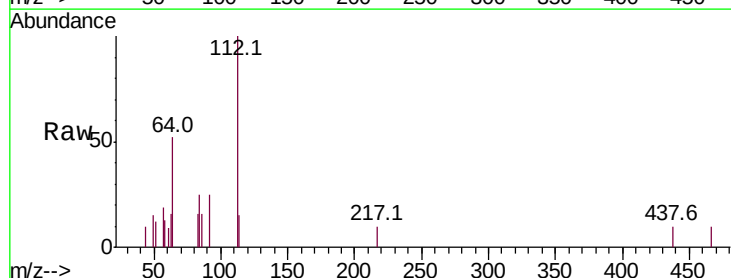
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



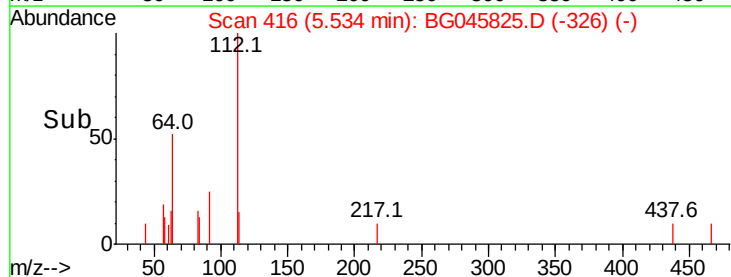
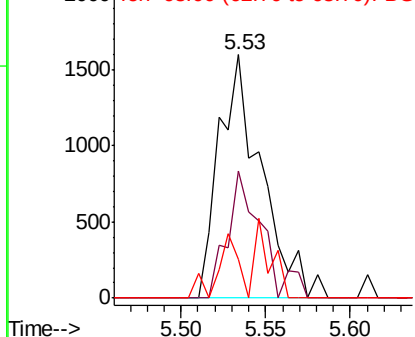
#5

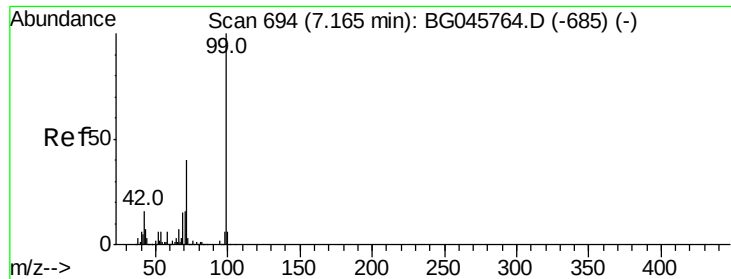
2-Fluorophenol
Concen: 1.056 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG045825.D
Acq: 22 Jun 2020 13:16

Tgt Ion:112 Resp: 2795
Ion Ratio Lower Upper
112 100
64 52.3 46.6 69.8
63 15.9 26.3 39.5#



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: 0.431 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

Instrument :

BNA_G

ClientSampleId :

SS043MW009-200616DL2

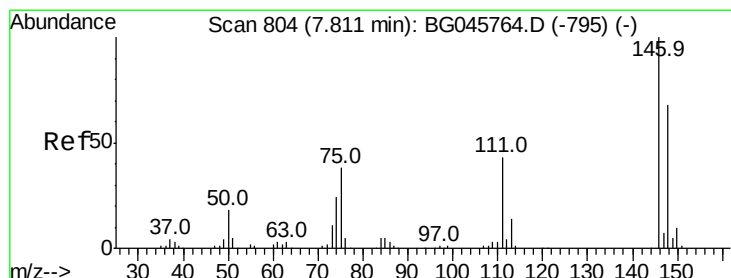
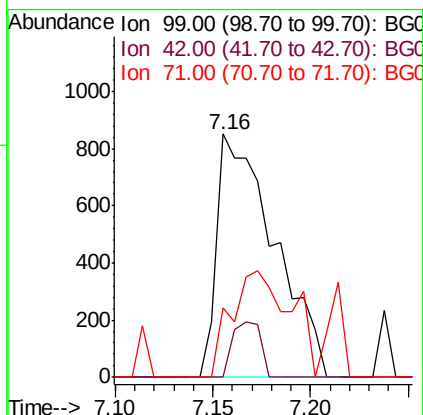
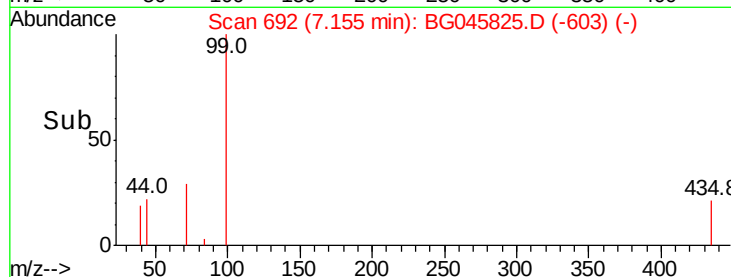
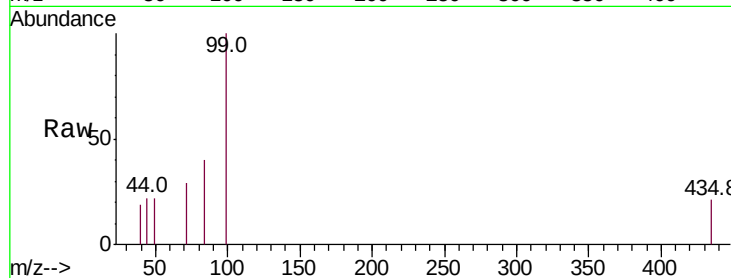
Tot Ion: 99 Resp: 1734

Ion Ratio Lower Upper

99 100

42 0.0 12.4 18.6#

71 28.6 32.1 48.1#



#12

1,3-Dichlorobenzene

Concen: 5.411 ng

RT: 7.95 min Scan# 827

Delta R.T. 0.14 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

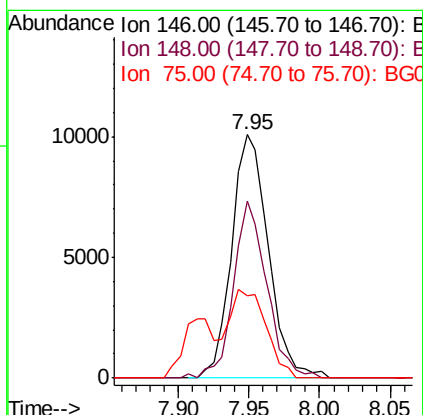
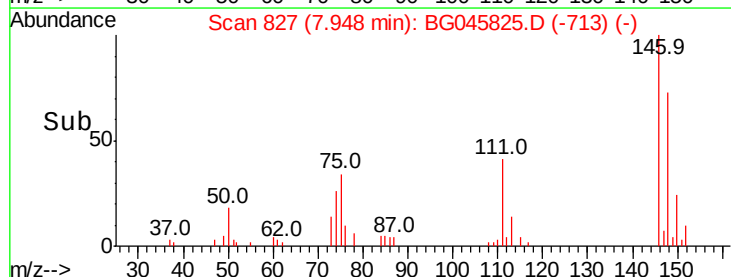
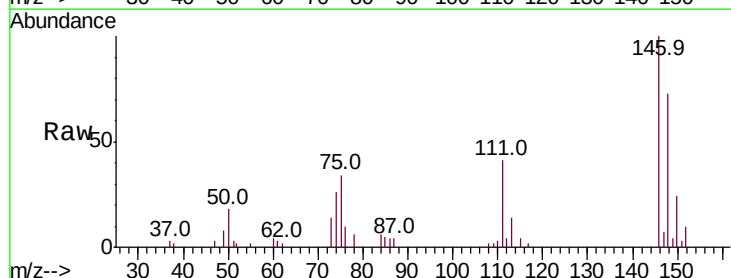
Tgt Ion: 146 Resp: 18261

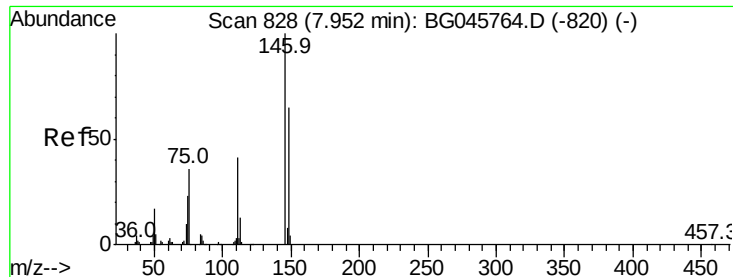
Ion Ratio Lower Upper

146 100

148 72.6 54.2 81.4

75 33.7 30.1 45.1





#13

1,4-Dichlorobenzene

Concen: 5.417 ng

RT: 7.95 min Scan# 827

Delta R.T. -0.00 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

Instrument :

BNA_G

ClientSampleId :

SS043MW009-200616DL2

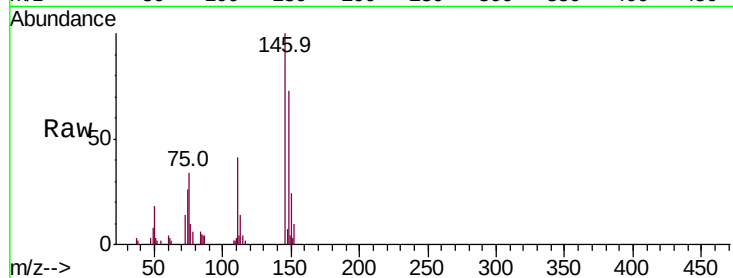
Tot Ion:146 Resp: 18261

Ion Ratio Lower Upper

146 100

148 72.6 51.8 77.6

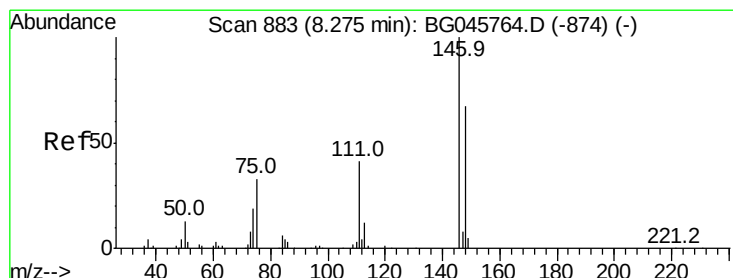
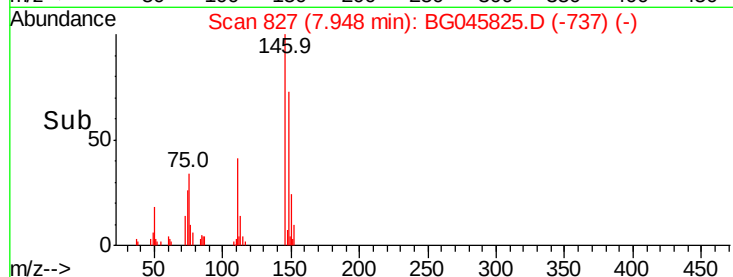
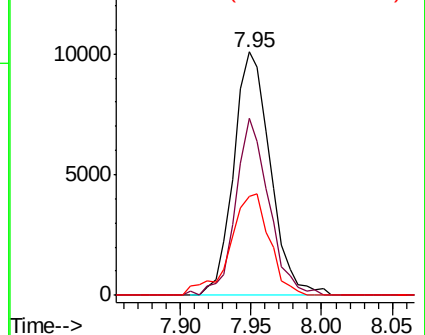
111 40.9 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.486 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

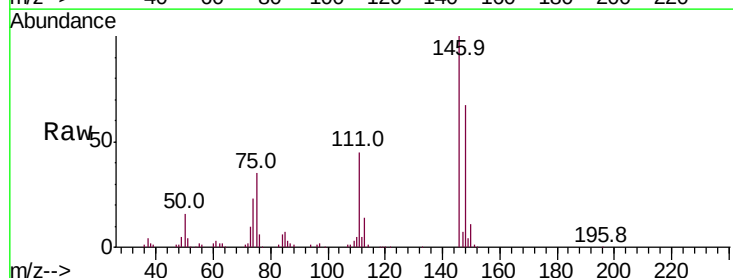
Tgt Ion:146 Resp: 127426

Ion Ratio Lower Upper

146 100

148 67.4 54.1 81.1

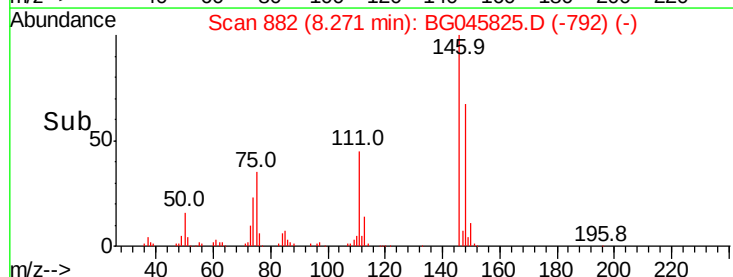
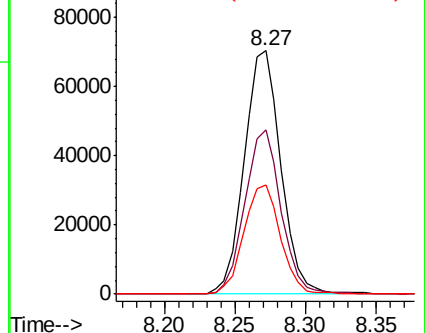
111 44.8 32.9 49.3

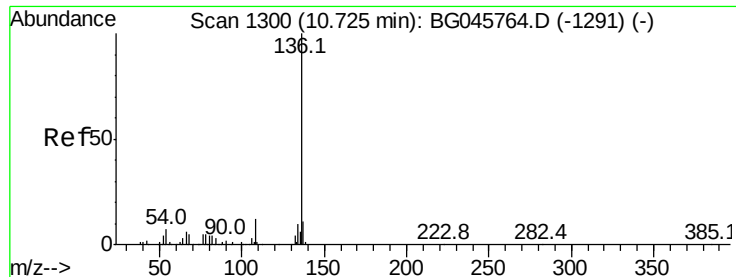


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.72 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

Instrument :

BNA_G

ClientSampleId :

SS043MW009-200616DL2

Tot Ion:136 Resp: 177936

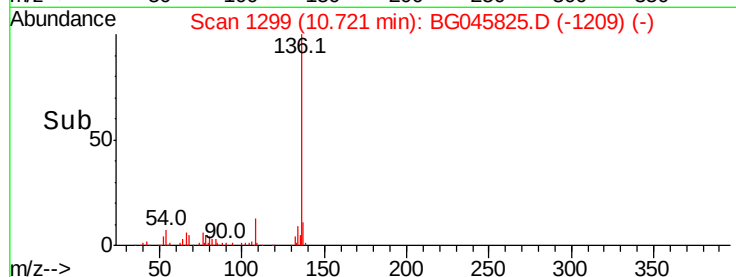
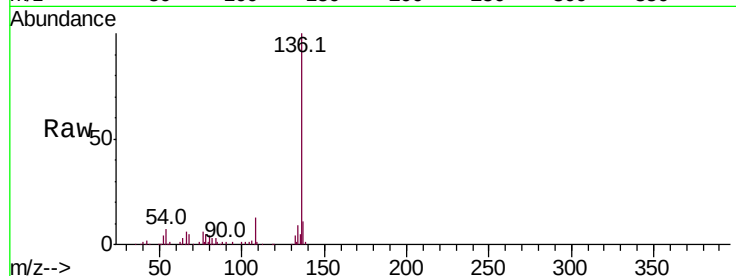
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.8 5.8 8.6

68 5.0 4.0 6.0

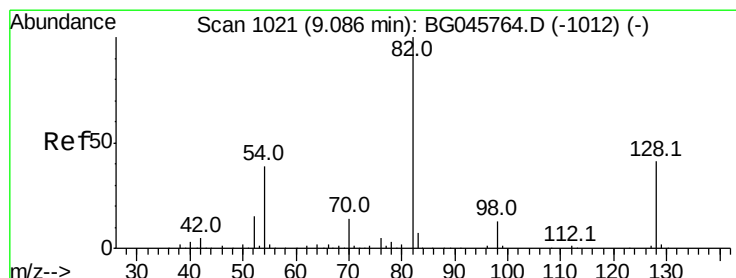
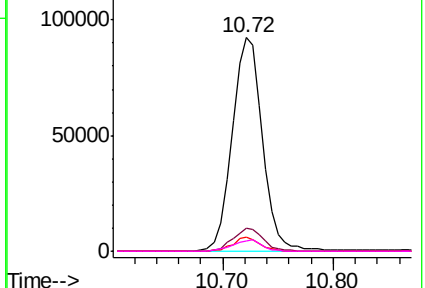


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.319 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

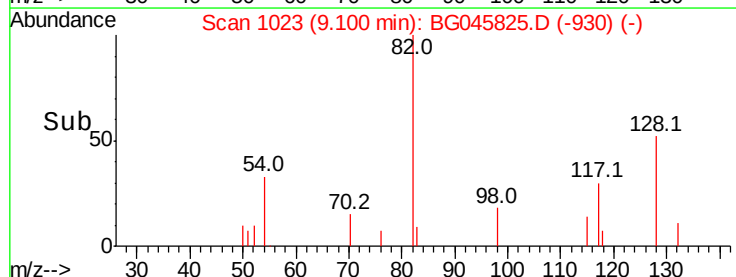
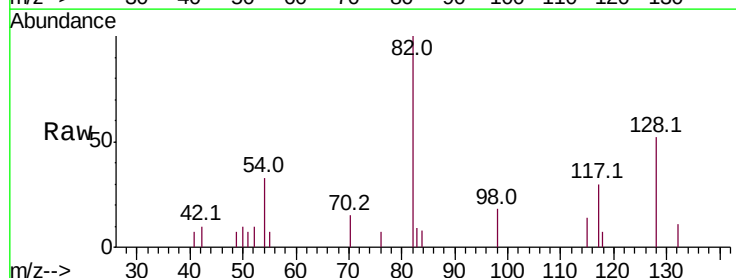
Tgt Ion: 82 Resp: 5136

Ion Ratio Lower Upper

82 100

128 52.2 32.5 48.7#

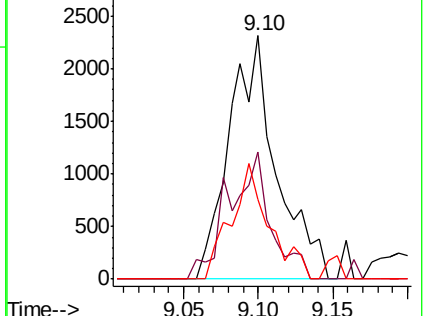
54 32.9 31.2 46.8

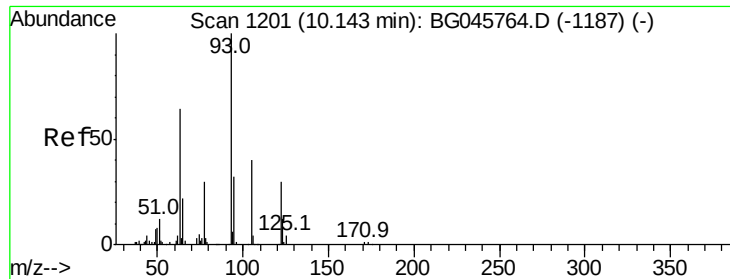


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

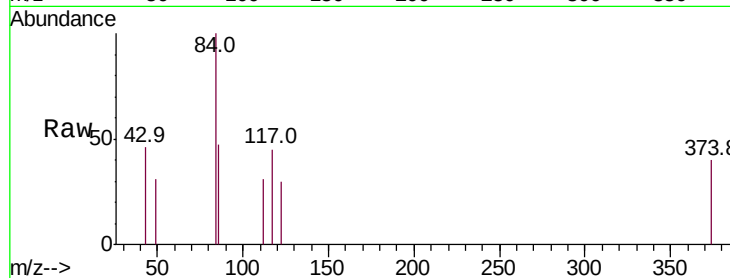




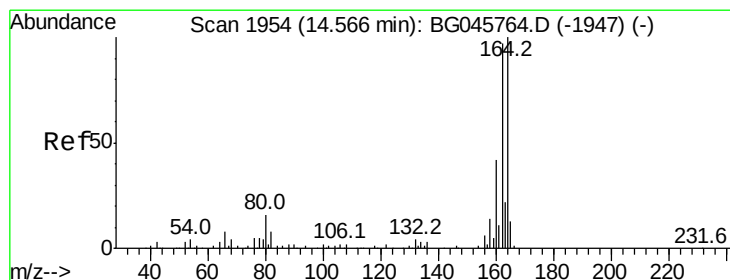
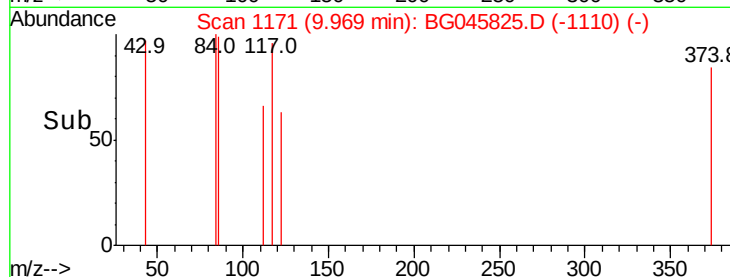
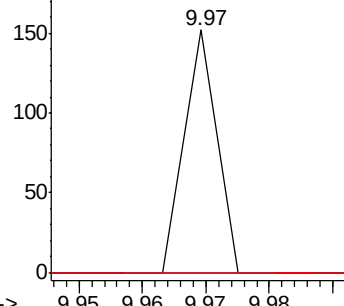
#32
Benzoic acid
Concen: 9.003 ng
RT: 9.97 min Scan# 1171
Delta R.T. -0.17 min
Lab File: BG045825.D
Acq: 22 Jun 2020 13:16

Instrument :
BNA_G
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Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 112.9 152.9#
77 0.0 79.2 119.2#

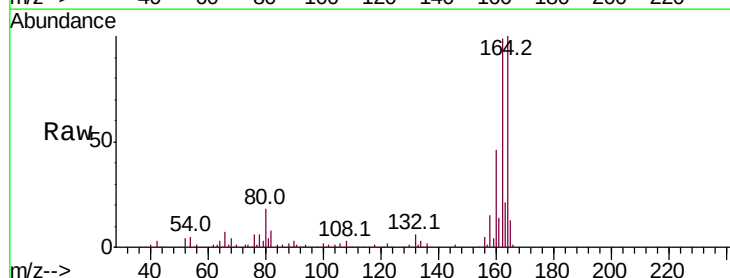


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

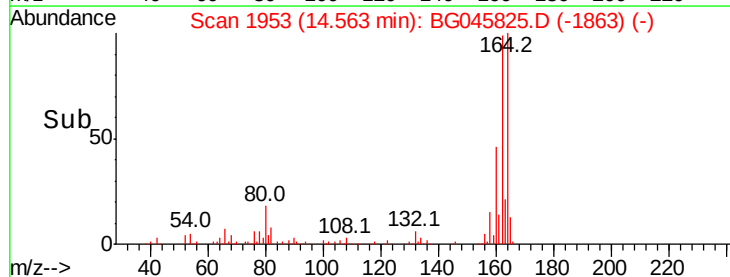
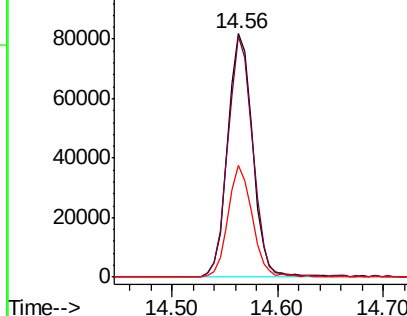


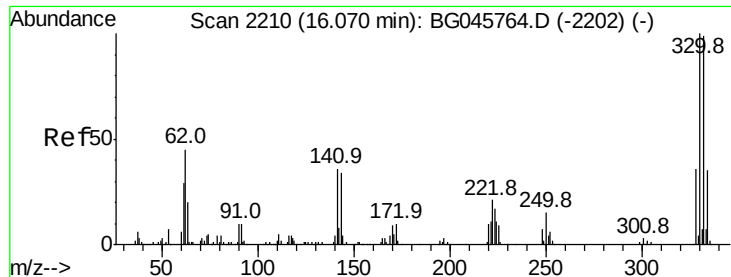
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG045825.D
Acq: 22 Jun 2020 13:16

Tgt Ion:164 Resp: 133090
Ion Ratio Lower Upper
164 100
162 99.1 77.4 116.0
160 45.7 33.3 49.9



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

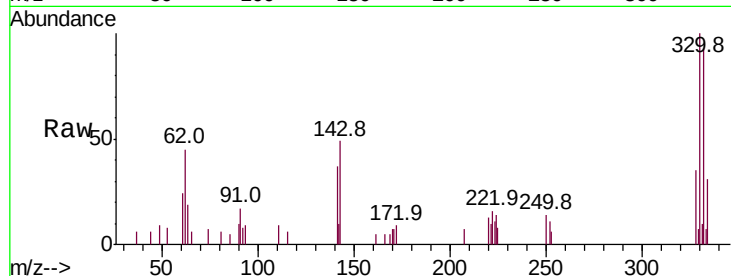




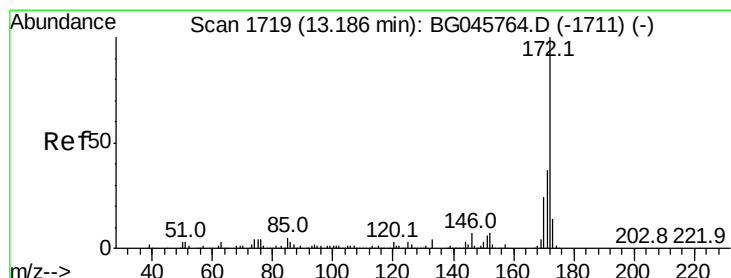
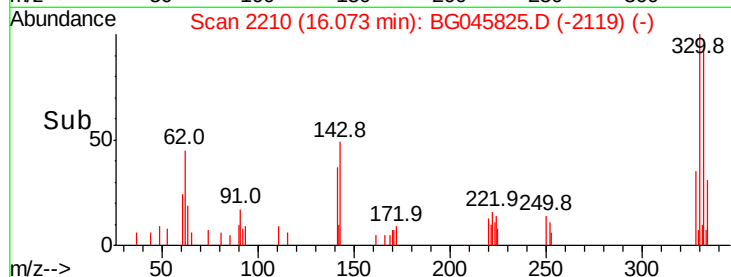
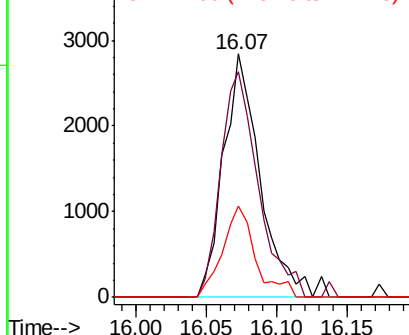
#42
 2,4,6-Tribromophenol
 Concen: 2.584 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: BG045825.D
 Acq: 22 Jun 2020 13:16

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW009-200616DL2

Tot Ion:330 Resp: 5193
 Ion Ratio Lower Upper
 330 100
 332 93.3 78.6 117.8
 141 33.1 28.2 42.4

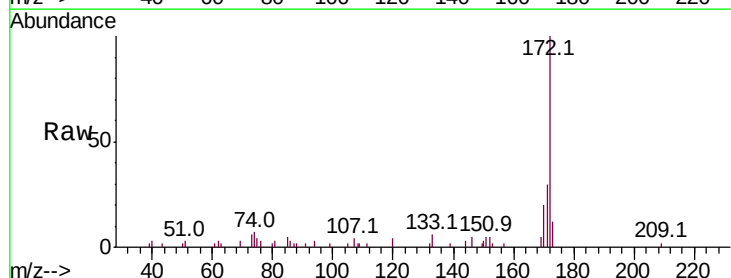


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

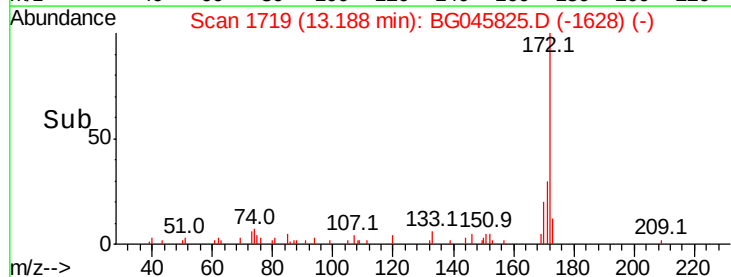
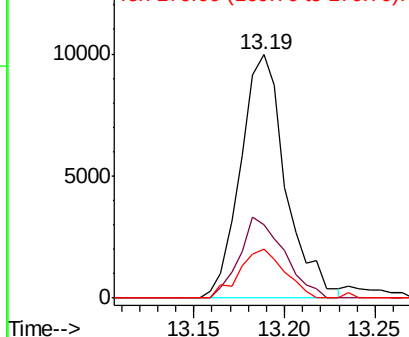


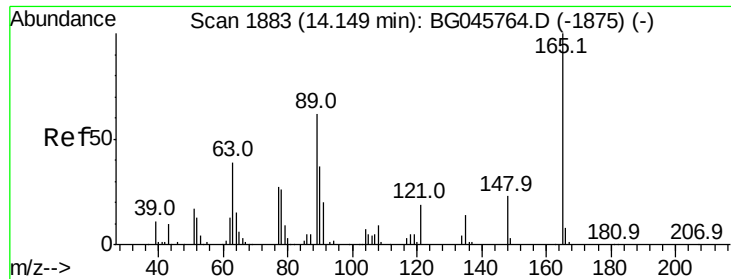
#45
 2-Fluorobiphenyl
 Concen: 1.908 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG045825.D
 Acq: 22 Jun 2020 13:16

Tgt Ion:172 Resp: 17280
 Ion Ratio Lower Upper
 172 100
 171 30.2 29.9 44.9
 170 20.0 19.3 28.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.211 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.42 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

Instrument :

BNA_G

ClientSampleId :

SS043MW009-200616DL2

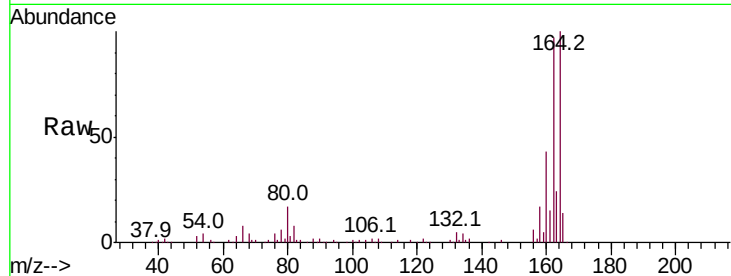
Tot Ion:165 Resp: 16887

Ion Ratio Lower Upper

165 100

63 2.1 41.2 61.8#

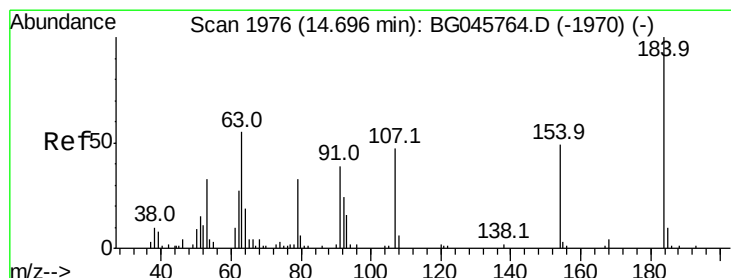
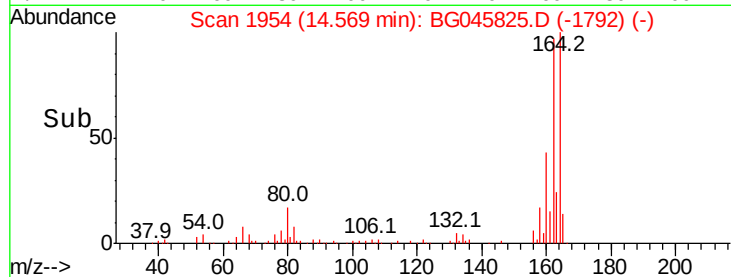
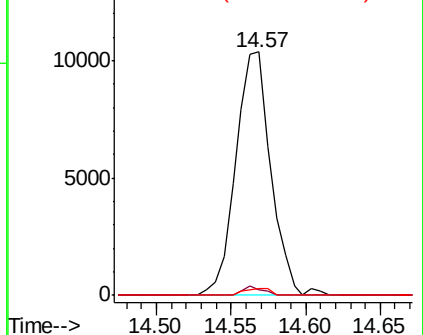
89 3.0 49.7 74.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54

2,4-Dinitrophenol

Concen: 9.869 ng

RT: 15.03 min Scan# 2032

Delta R.T. 0.33 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

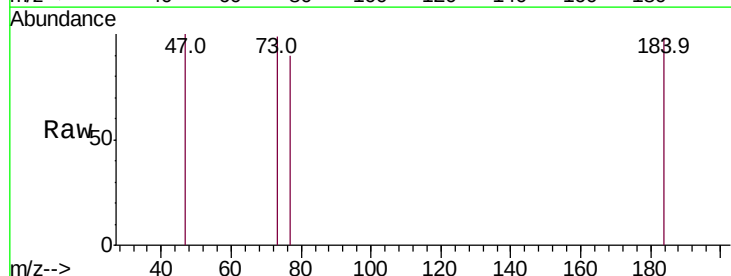
Tgt Ion:184 Resp: 65

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

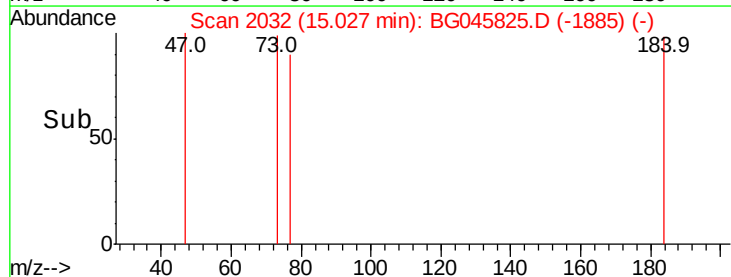
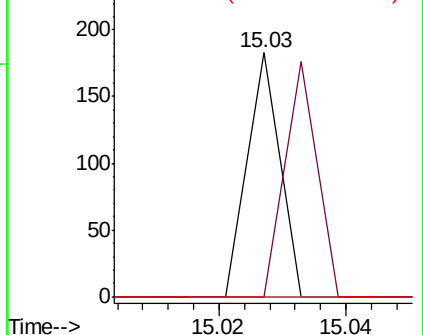
154 0.0 58.6 87.8#

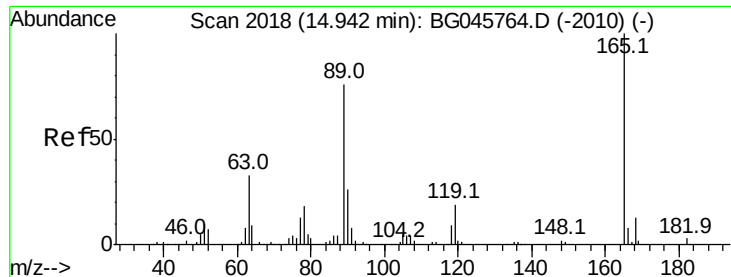


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

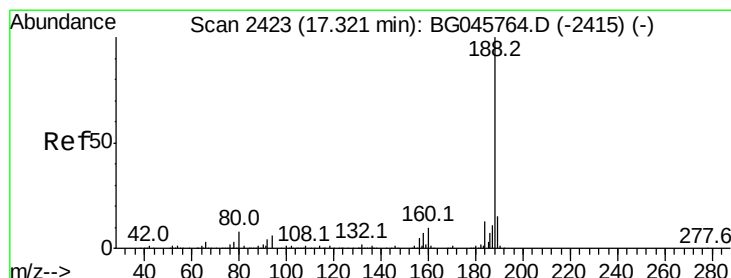
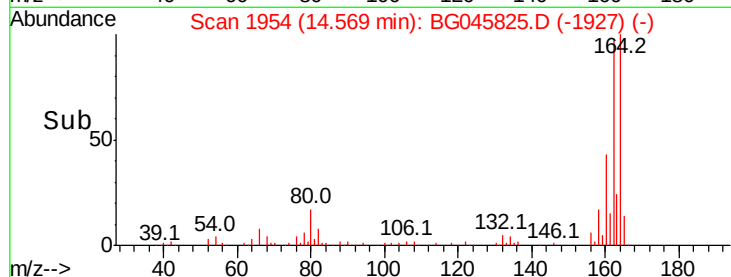
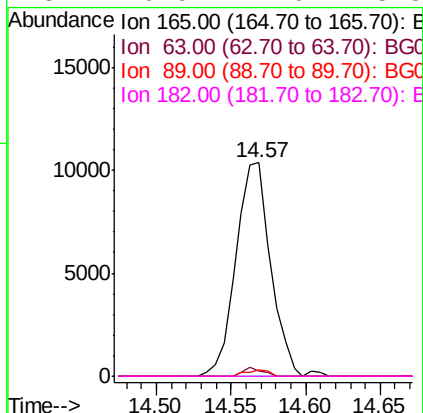
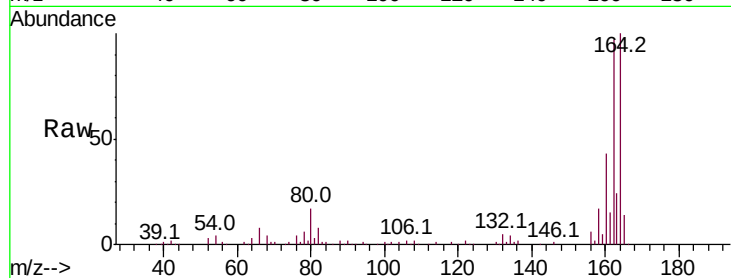




#57
 2,4-Dinitrotoluene
 Concen: 5.033 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.37 min
 Lab File: BG045825.D
 Acq: 22 Jun 2020 13:16

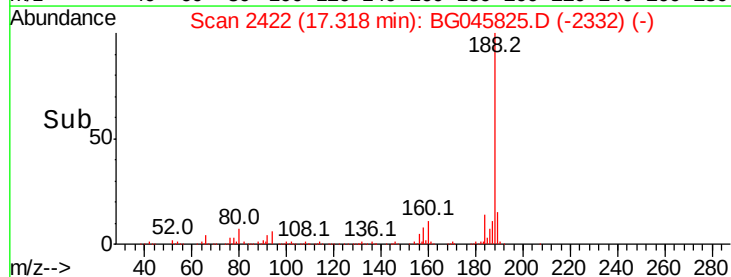
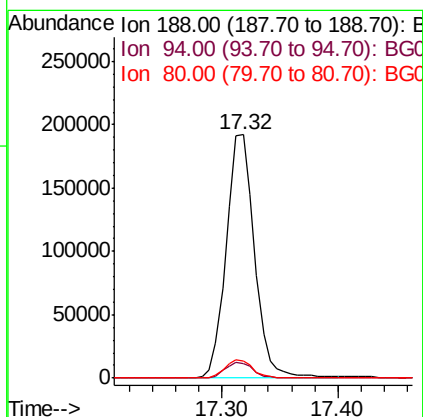
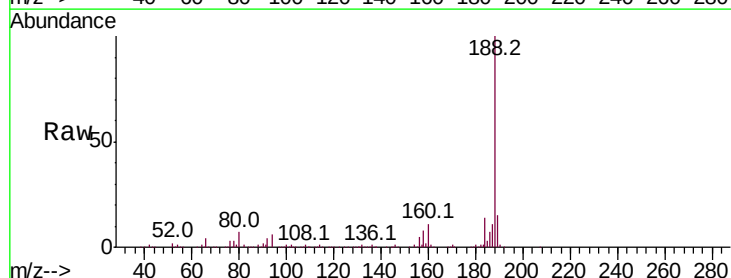
Instrument :
 BNA_G
 ClientSampleId :
 SS043MW009-200616DL2

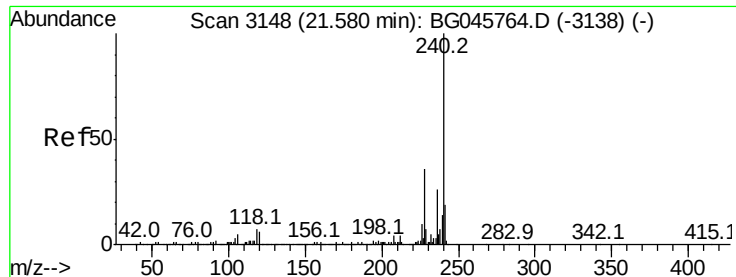
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	33.8	50.8#
89	3.0	60.4	90.6#
182	0.0	2.6	3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BG045825.D
 Acq: 22 Jun 2020 13:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.1	7.7
80	7.0	6.2	9.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

Instrument :

BNA_G

ClientSampleId :

SS043MW009-200616DL2

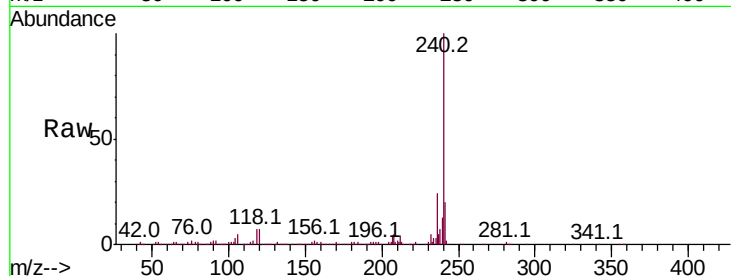
Tot Ion:240 Resp: 330191

Ion Ratio Lower Upper

240 100

120 7.5 5.0 7.4#

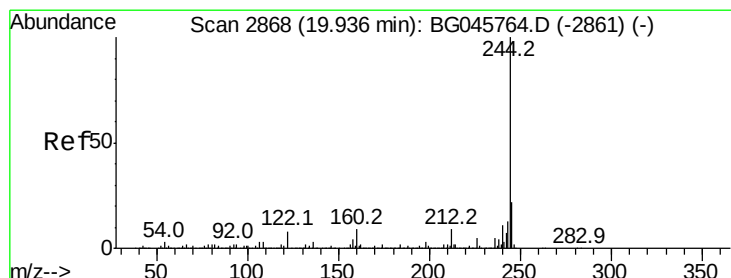
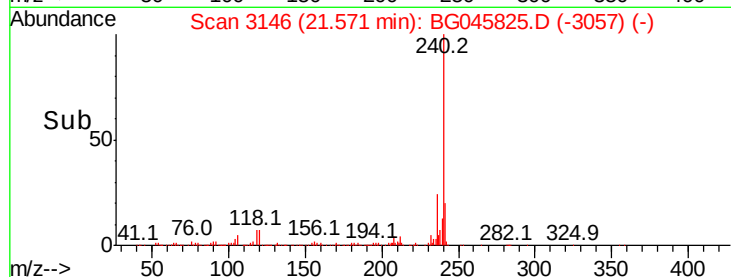
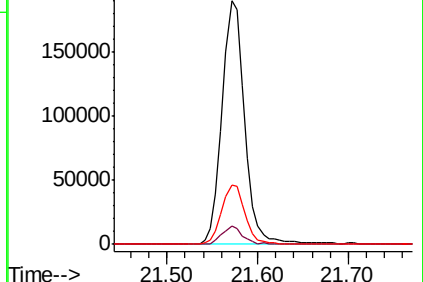
236 24.4 20.6 30.8



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



#79

Terphenyl-d14

Concen: 2.124 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045825.D

Acq: 22 Jun 2020 13:16

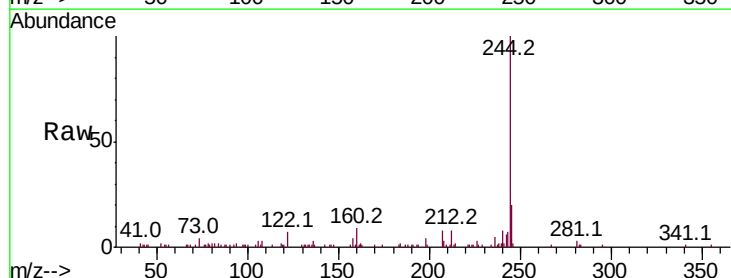
Tgt Ion:244 Resp: 34606

Ion Ratio Lower Upper

244 100

212 8.2 7.2 10.8

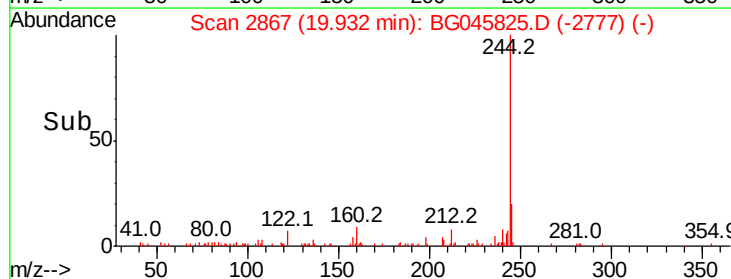
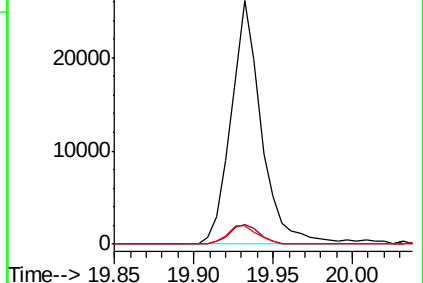
122 7.3 6.4 9.6

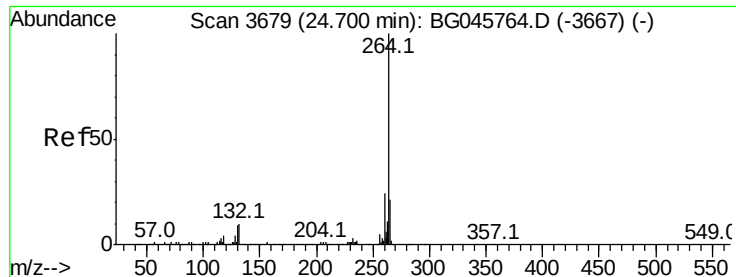


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.00 min
Lab File: BG045825.D
Acq: 22 Jun 2020 13:16

Instrument :
BNA_G
ClientSampleId :
SS043MW009-200616DL2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	21.8	17.4	26.0

