

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060520\
 Data File : BG045627.D
 Acq On : 5 Jun 2020 22:14
 Operator : CG/JU
 Sample : L2903-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Quant Time: Jun 06 01:19:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	61698	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	217850	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	142801	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	306273	20.00	ng	0.00
76) Chrysene-d12	21.60	240	324518	20.00	ng	0.00
87) Perylene-d12	24.75	264	364960	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	196106	62.12	ng	0.00
7) Phenol-d6	7.14	99	159895	35.58	ng	0.00
23) Nitrobenzene-d5	9.11	82	404838	101.34	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	265214	145.22	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	815305	96.84	ng	0.00
79) Terphenyl-d14	19.97	244	1406011	101.05	ng	0.00

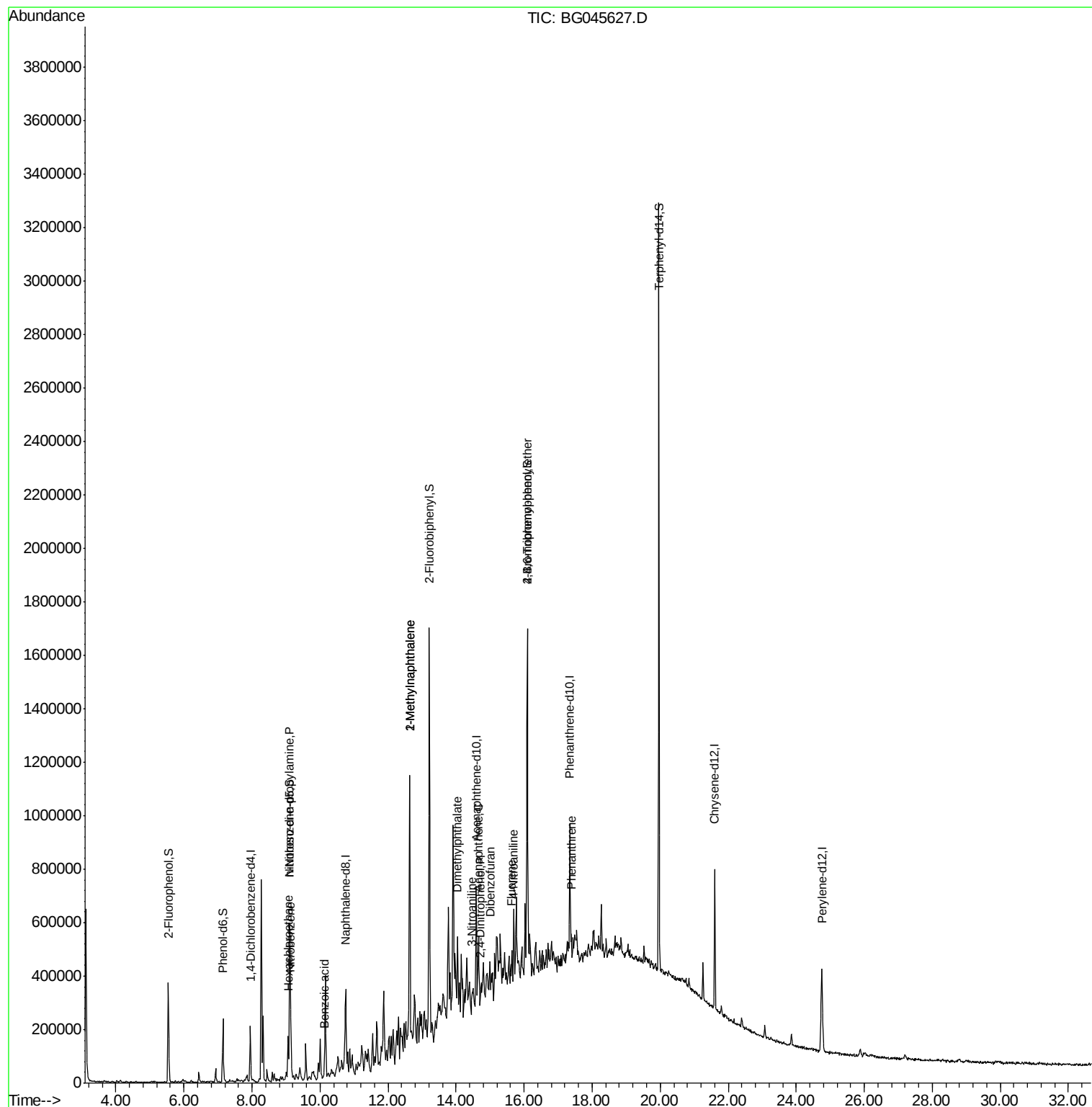
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.07	117	34709	22.072	ng	# 2
19) n-Nitroso-di-n-propylamine	9.12	70	58401	18.795	ng	# 81
24) Nitrobenzene	9.14	77	10177	2.378	ng	# 15
32) Benzoic acid	10.11	122	163	10.092	ng	# 43
37) 2-Methylnaphthalene	12.64	142	473922	62.635	ng	# 94
38) 1-Methylnaphthalene	12.64	142	473922	66.307	ng	# 96
50) Dimethylphthalate	14.05	163	138473	14.136	ng	# 97
52) Acenaphthene	14.66	154	35464	4.629	ng	# 96
53) 3-Nitroaniline	14.48	138	11108	4.943	ng	# 11
54) 2,4-Dinitrophenol	14.71	184	196	5.585	ng	# 1
55) Dibenzofuran	15.00	168	32944	2.896	ng	# 73
58) Fluorene	15.64	166	55322	5.919	ng	# 96
62) 4-Nitroaniline	15.68	138	6041	2.575	ng	# 89
67) 4-Bromophenyl-phenylether	16.09	248	17541	5.289	ng	# 1
71) Phenanthrene	17.39	178	39834	2.979	ng	# 87

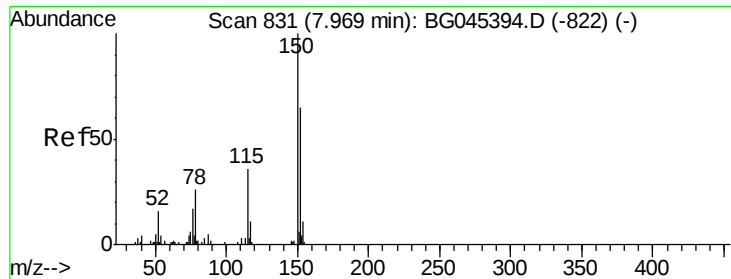
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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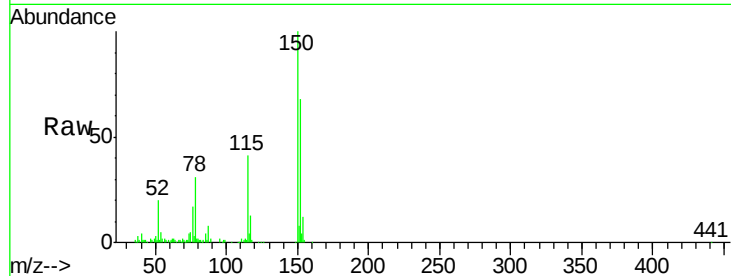


#1

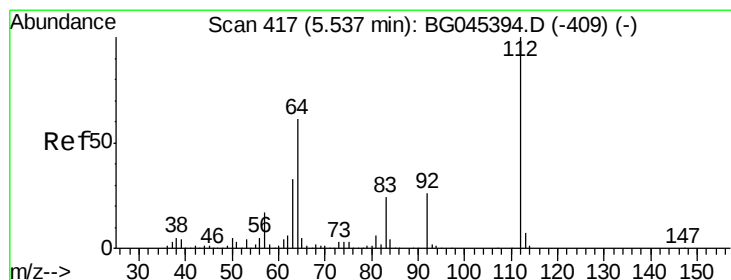
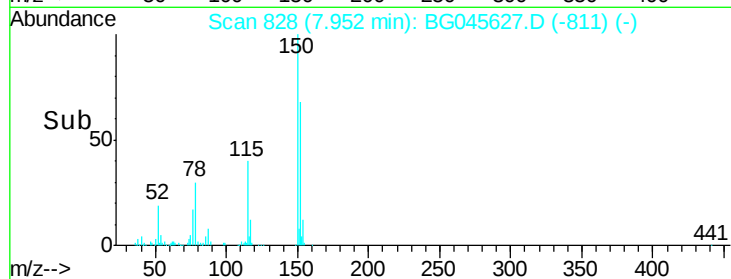
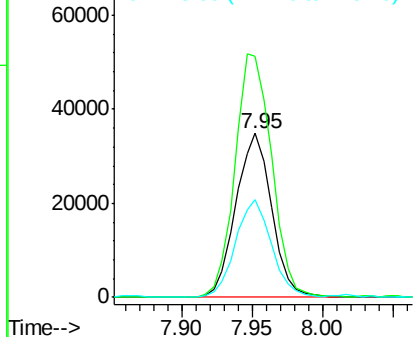
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

Instrument :
BNA_G
ClientSampleId :
MW-16

Tot Ion:152 Resp: 61698
Ion Ratio Lower Upper
152 100
150 147.2 122.4 183.6
115 60.0 44.2 66.4



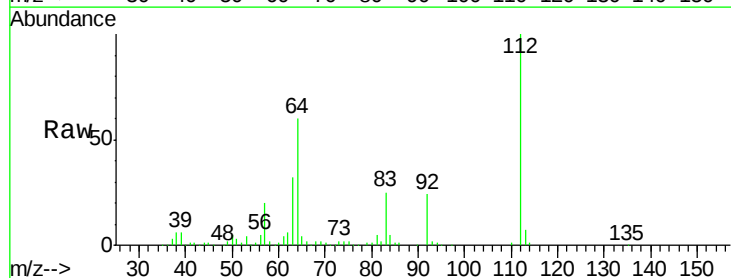
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



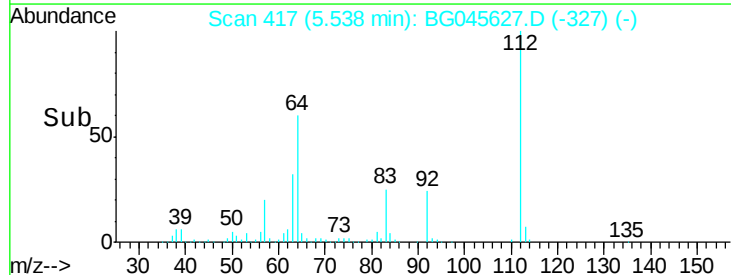
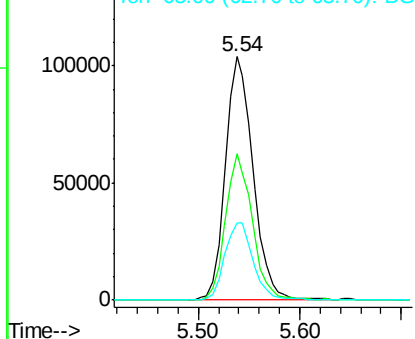
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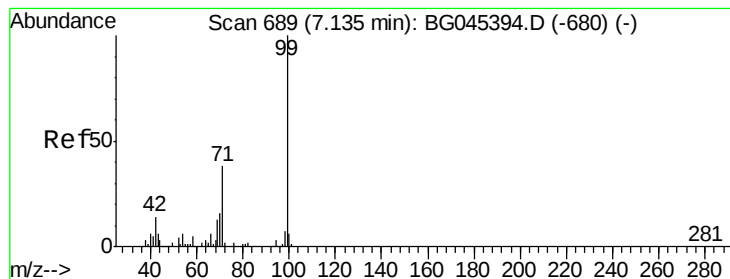
2-Fluorophenol
Concen: 62.117 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

Tgt Ion:112 Resp: 196106
Ion Ratio Lower Upper
112 100
64 59.9 48.6 72.8
63 31.7 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 35.584 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

Instrument :

BNA_G

ClientSampleId :

MW-16

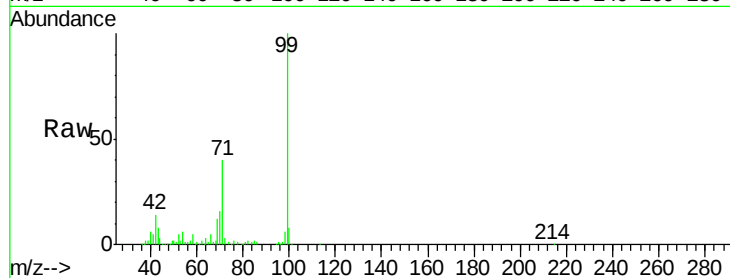
Tot Ion: 99 Resp: 159895

Ion Ratio Lower Upper

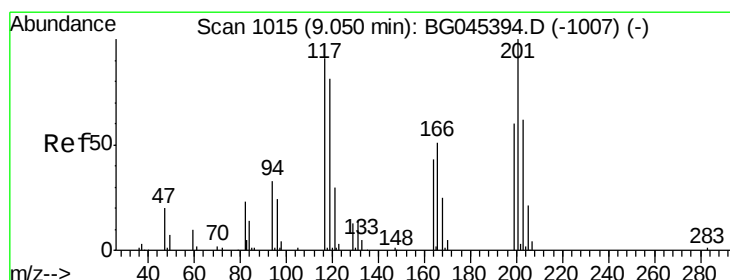
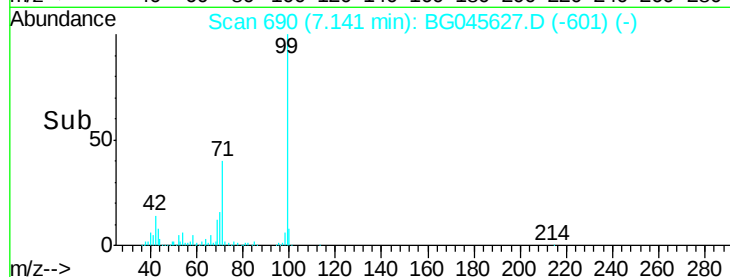
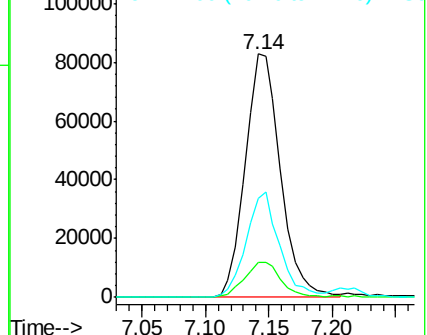
99 100

42 14.2 11.3 16.9

71 40.4 30.8 46.2



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



#18

Hexachloroethane

Concen: 22.072 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.03 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

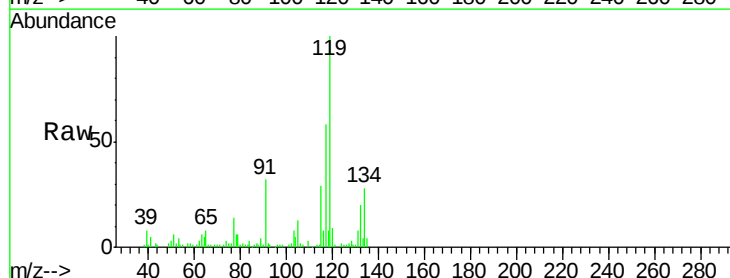
Tgt Ion: 117 Resp: 34709

Ion Ratio Lower Upper

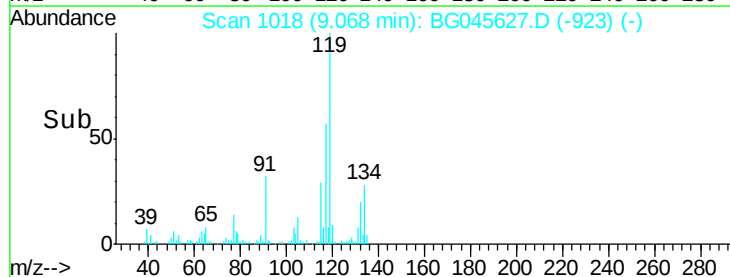
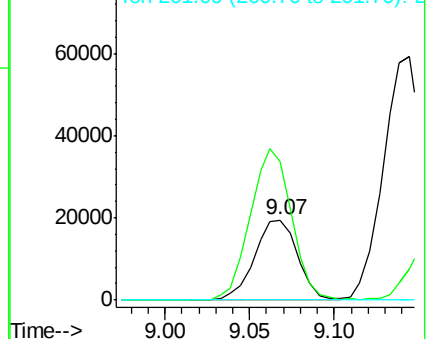
117 100

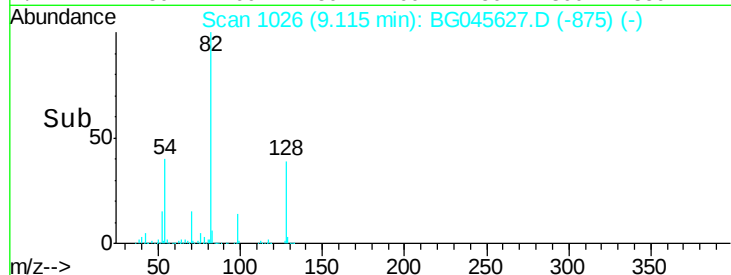
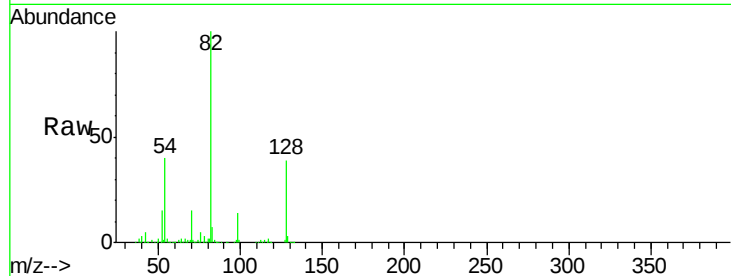
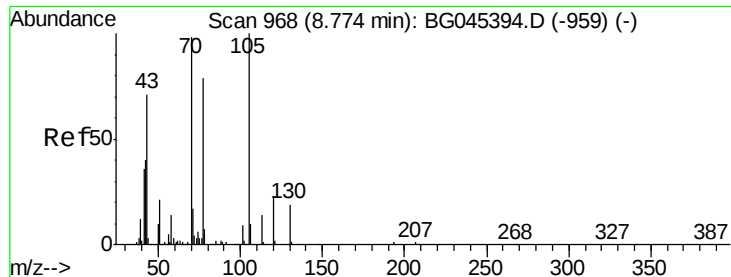
119 173.1 71.3 106.9#

201 0.0 87.5 131.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

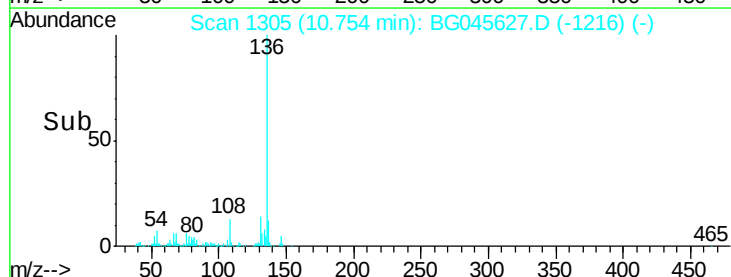
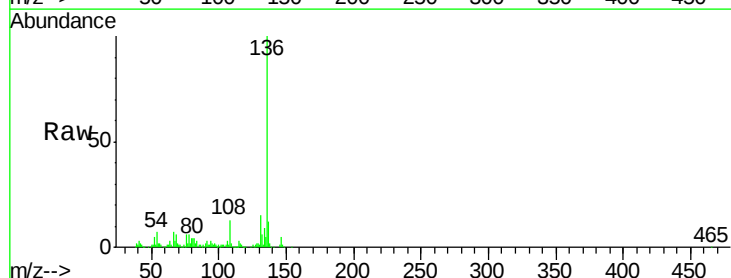
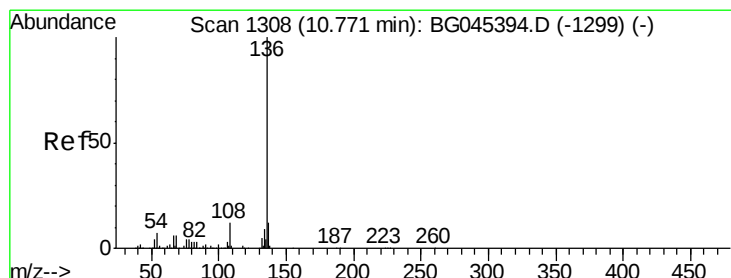
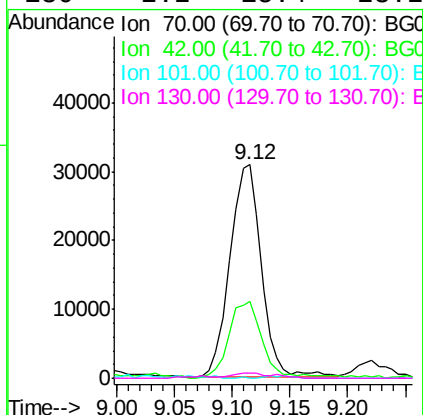




#19
n-Nitroso-di-n-propylamine
Concen: 18.795 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.36 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

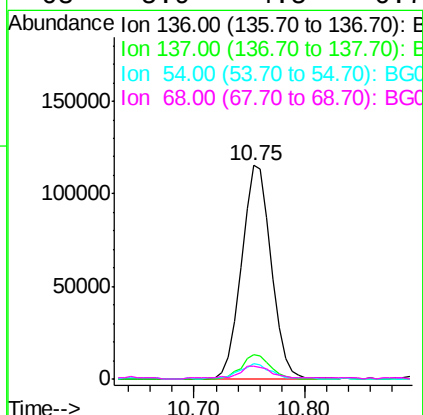
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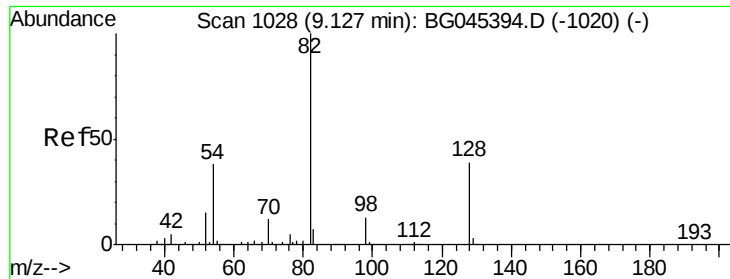
Tot Ion:	70	Resp:	58401
Ion	Ratio	Lower	Upper
70	100		
42	36.1	33.2	49.8
101	0.0	7.8	11.6#
130	2.2	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

Tgt Ion:	136	Resp:	217850
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.2
54	7.2	5.8	8.6
68	5.9	4.5	6.7

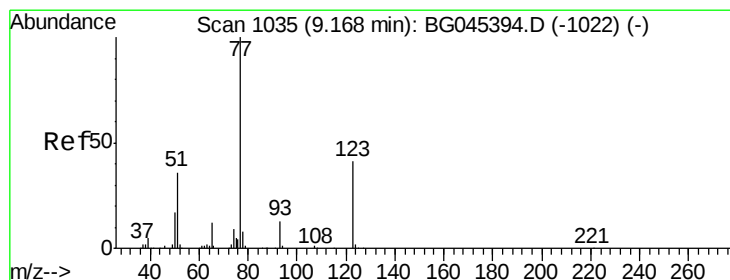
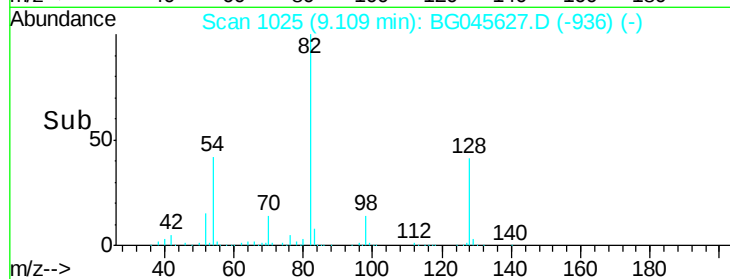
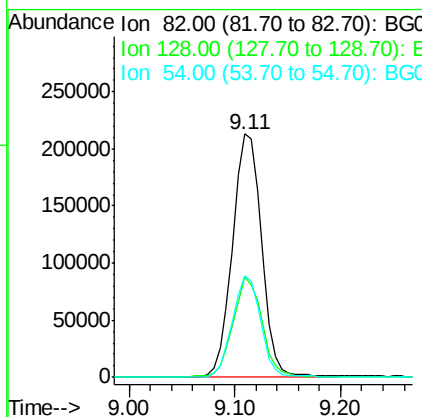
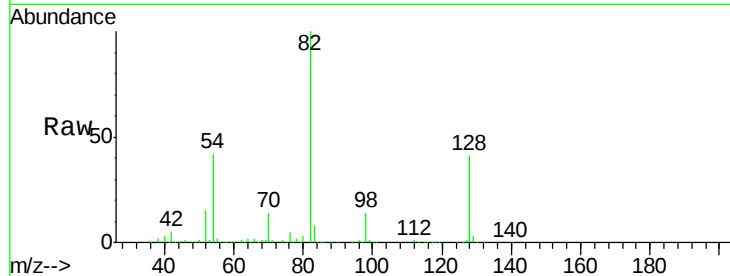




#23
 Nitrobenzene-d5
 Concen: 101.338 ng
 RT: 9.11 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

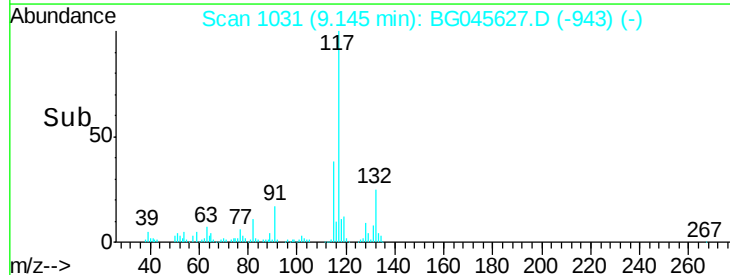
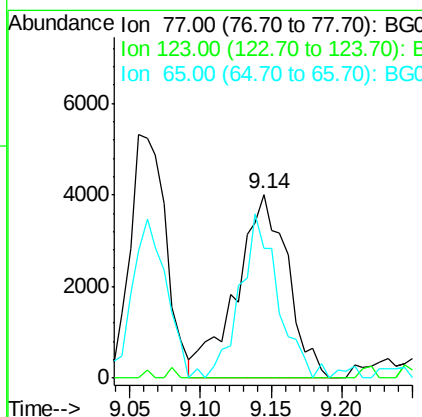
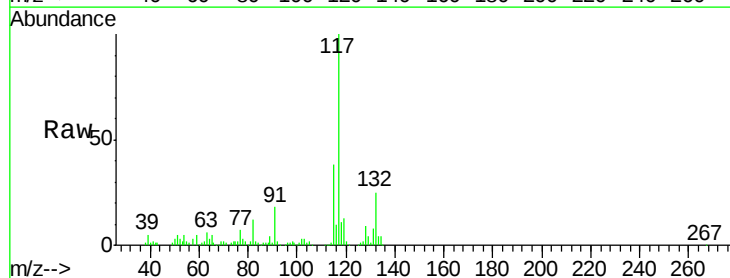
Instrument :
 BNA_G
 ClientSampled :
 MW-16

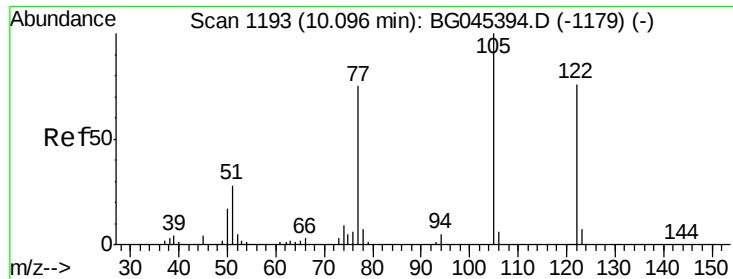
Tot Ion	82	Resp	404838
Ion Ratio	Lower	Upper	
82	100		
128	41.1	30.9	46.3
54	41.8	30.3	45.5



#24
 Nitrobenzene
 Concen: 2.378 ng
 RT: 9.14 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

Tgt Ion	77	Resp	10177
Ion Ratio	Lower	Upper	
77	100		
123	0.0	32.9	49.3#
65	70.7	9.4	14.2#

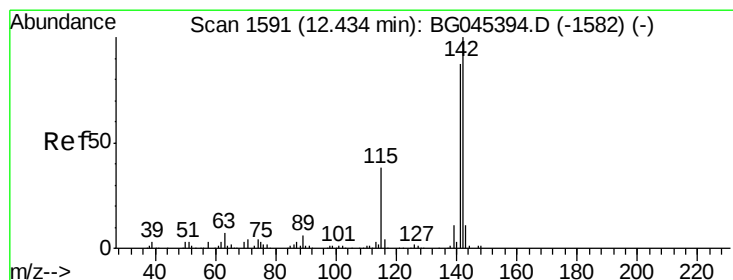
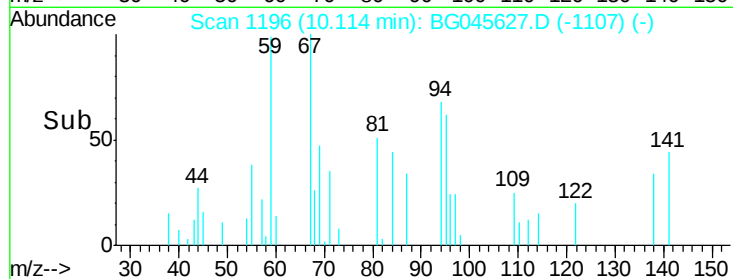
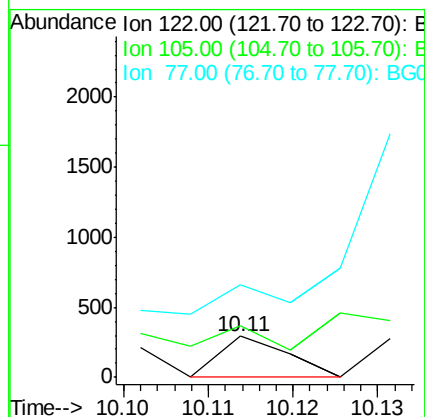
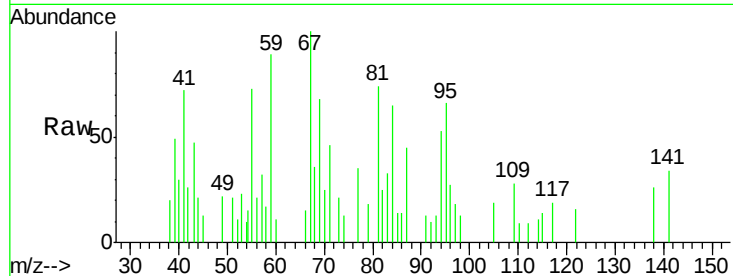




#32
Benzoic acid
Concen: 10.092 ng
RT: 10.11 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

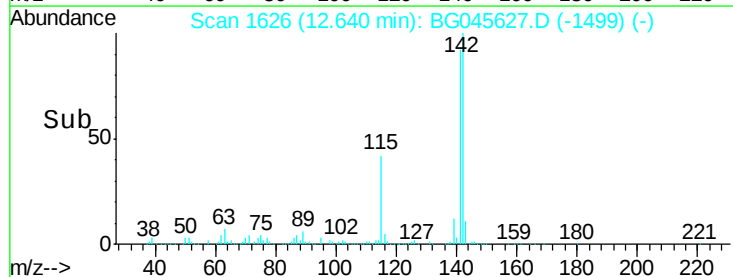
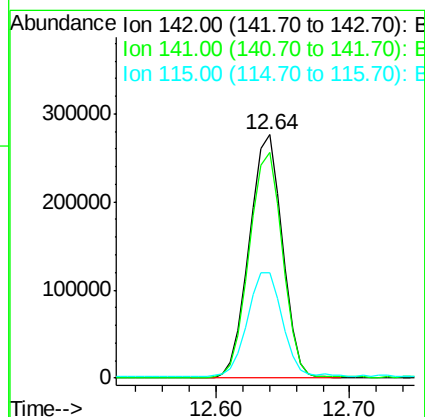
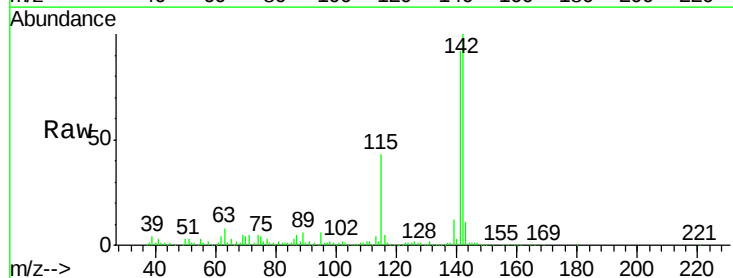
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ClientSampled :
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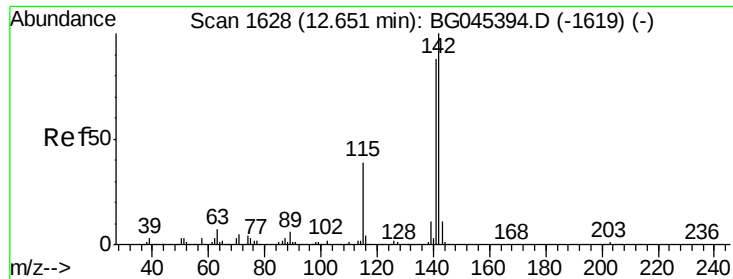
Tot Ion:122 Resp: 163
Ion Ratio Lower Upper
122 100
105 123.8 107.9 147.9
77 224.1 78.9 118.9#



#37
2-Methylnaphthalene
Concen: 62.635 ng
RT: 12.64 min Scan# 1626
Delta R.T. 0.22 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

Tgt Ion:142 Resp: 473922
Ion Ratio Lower Upper
142 100
141 92.5 70.0 105.0
115 43.1 30.8 46.2

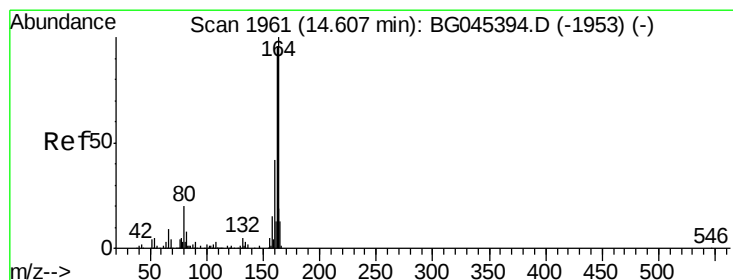
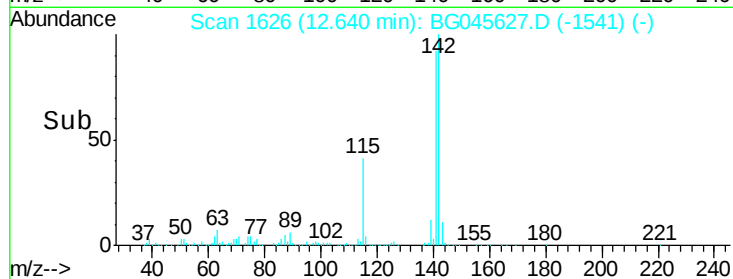
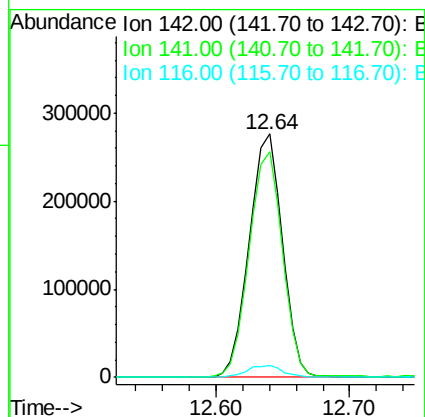
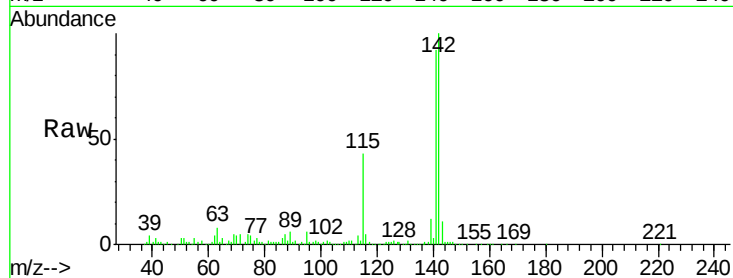




#38
 1-Methylnaphthalene
 Concen: 66.307 ng
 RT: 12.64 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

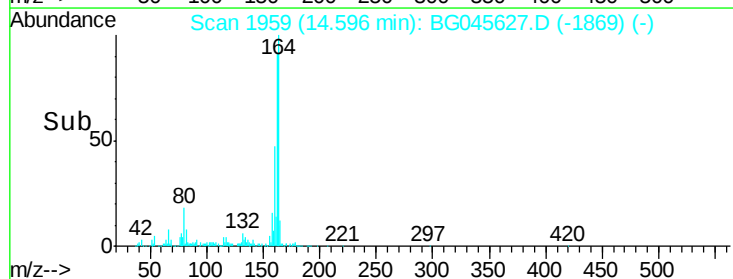
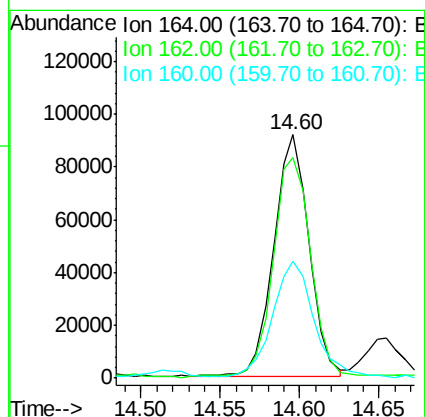
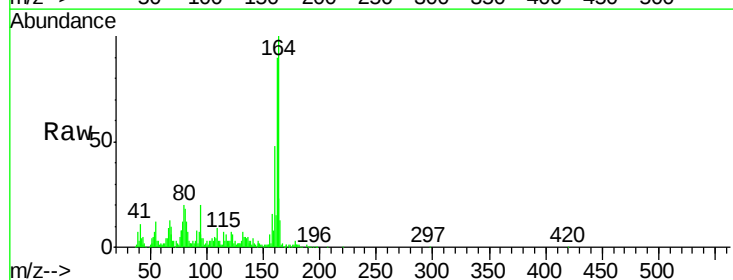
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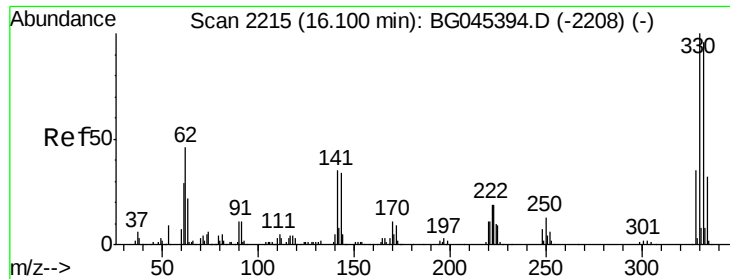
Tot Ion:142 Resp: 473922
 Ion Ratio Lower Upper
 142 100
 141 92.5 70.8 106.2
 116 4.8 3.0 4.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

Tgt Ion:164 Resp: 142801
 Ion Ratio Lower Upper
 164 100
 162 90.5 76.9 115.3
 160 47.9 33.8 50.8

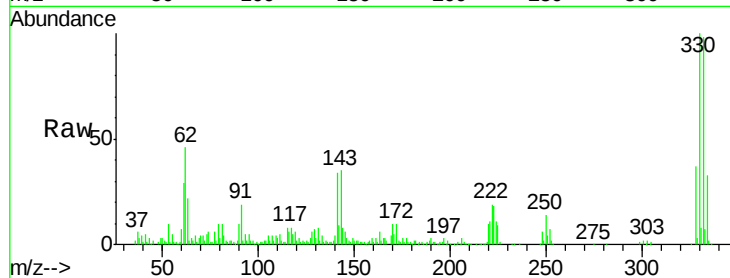




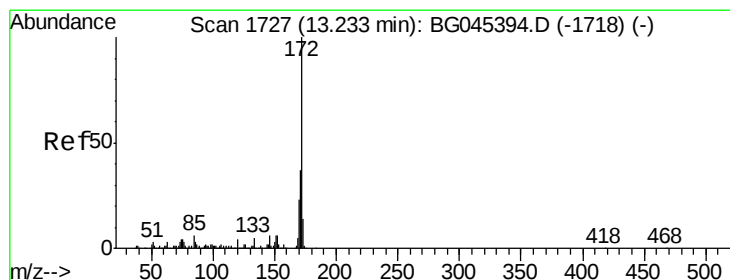
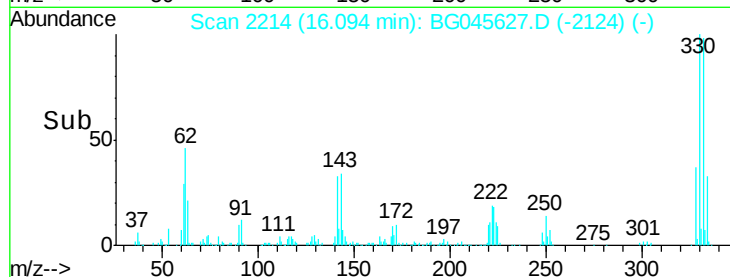
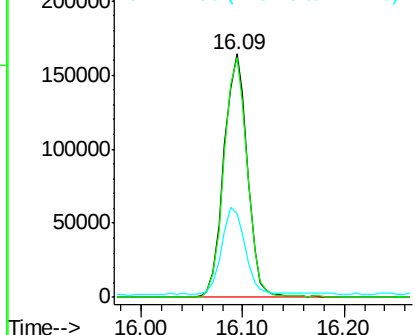
#42
 2,4,6-Tribromophenol
 Concen: 145.222 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Tot Ion:330 Resp: 265214
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.2 117.4
 141 35.8 28.2 42.4

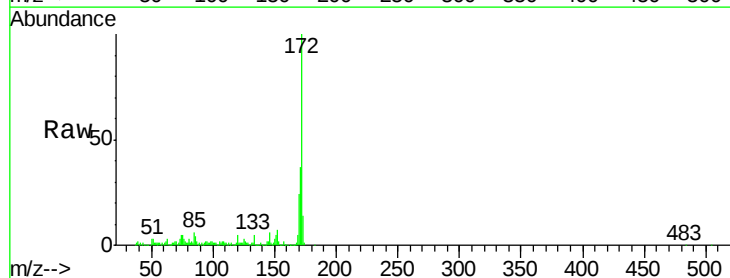


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

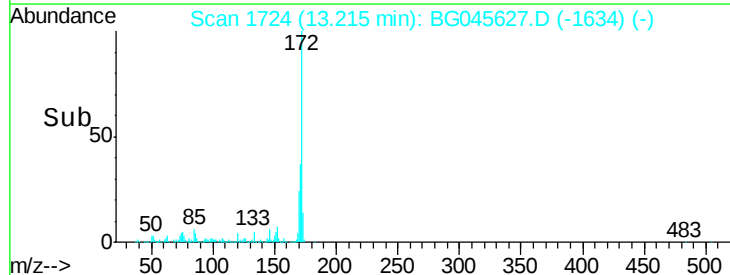
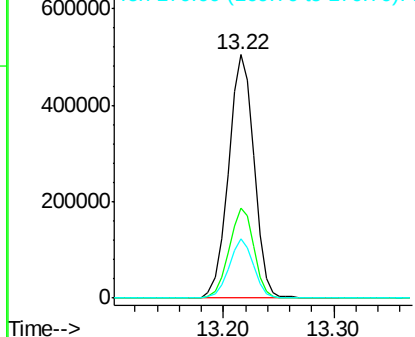


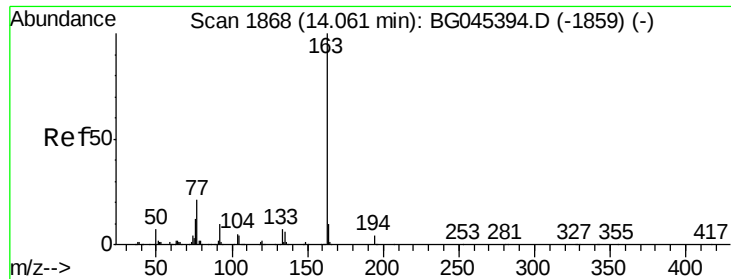
#45
 2-Fluorobiphenyl
 Concen: 96.843 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

Tgt Ion:172 Resp: 815305
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.5 44.3
 170 24.2 18.5 27.7



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





#50

Dimethylphthalate

Concen: 14.136 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

Instrument :

BNA_G

ClientSampleId :

MW-16

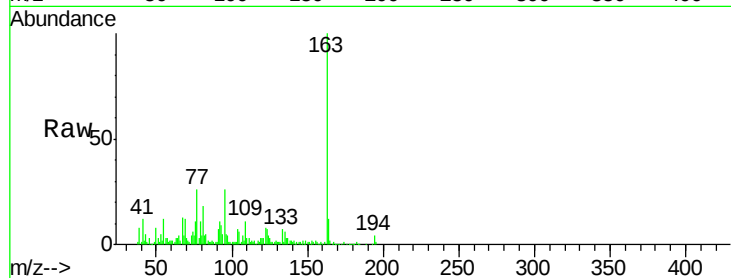
Tot Ion:163 Resp: 138473

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

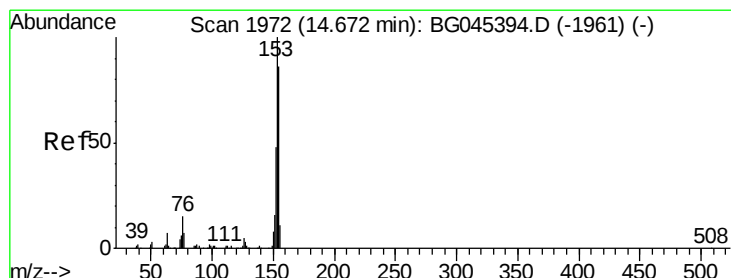
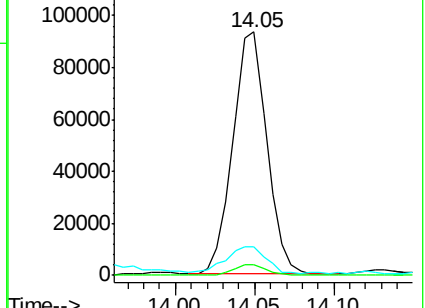
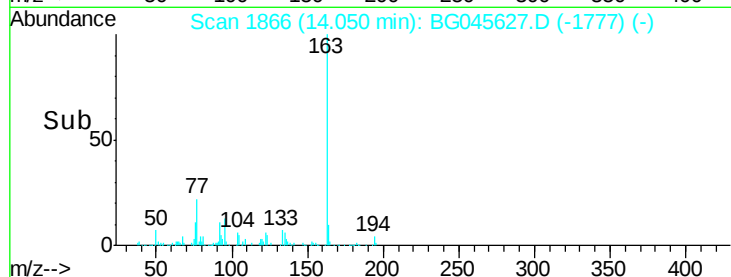
164 11.9 8.3 12.5



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



#52

Acenaphthene

Concen: 4.629 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

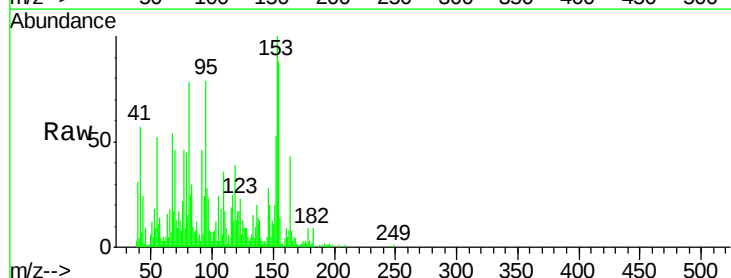
Tgt Ion:154 Resp: 35464

Ion Ratio Lower Upper

154 100

153 113.3 92.8 139.2

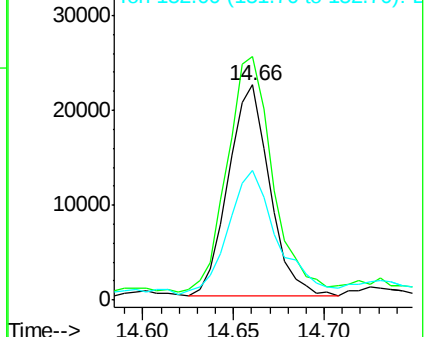
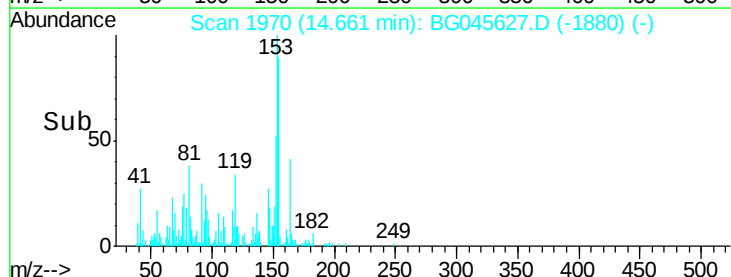
152 60.5 44.6 66.8

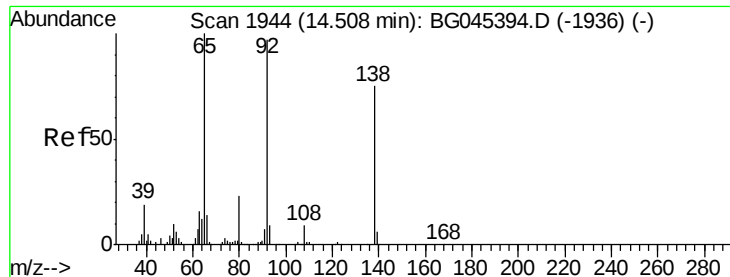


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 4.943 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.03 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

Instrument :

BNA_G

ClientSampleId :

MW-16

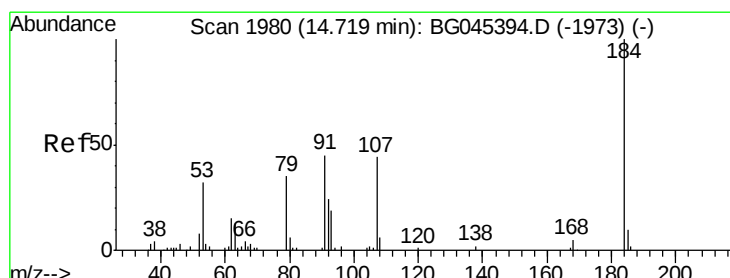
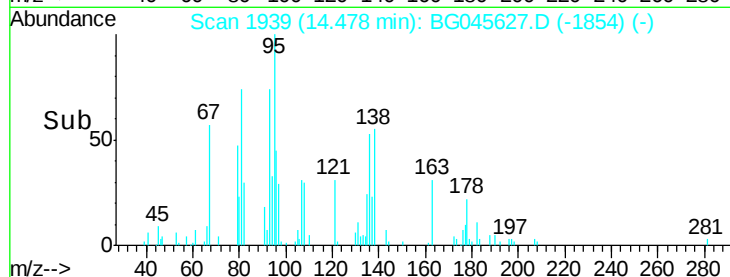
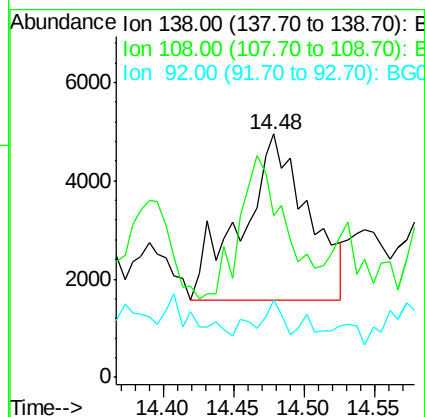
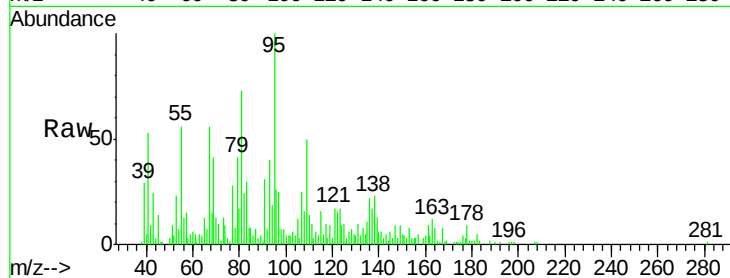
Tot Ion:138 Resp: 11108

Ion Ratio Lower Upper

138 100

108 66.5 9.8 14.6#

92 31.7 103.0 154.4#



#54

2,4-Dinitrophenol

Concen: 5.585 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

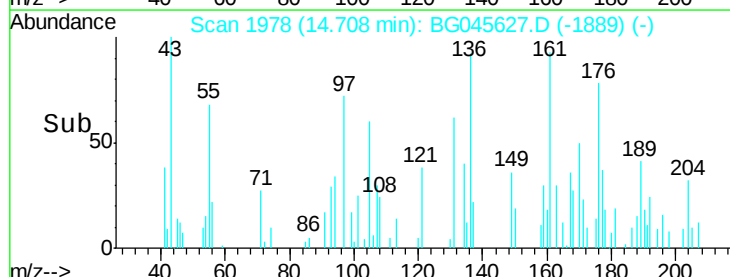
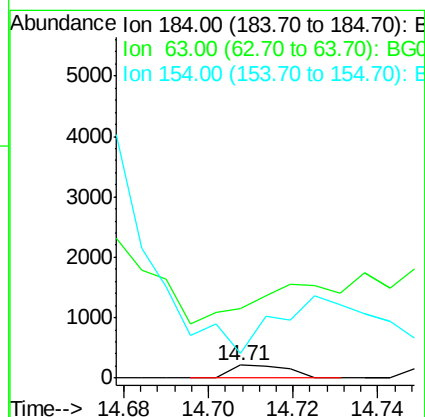
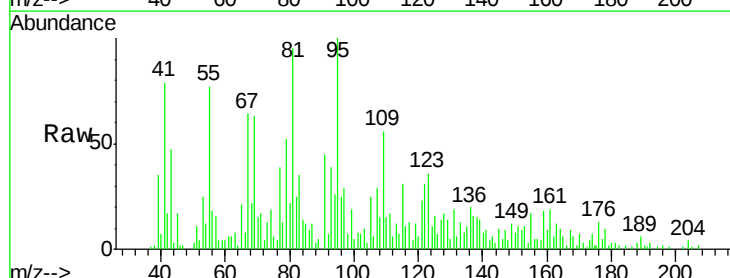
Tgt Ion:184 Resp: 196

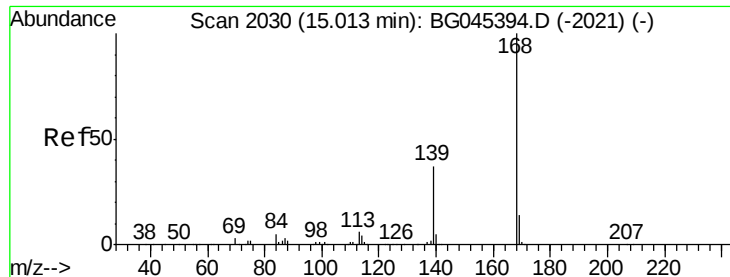
Ion Ratio Lower Upper

184 100

63 541.2 47.8 71.6#

154 191.0 58.3 87.5#

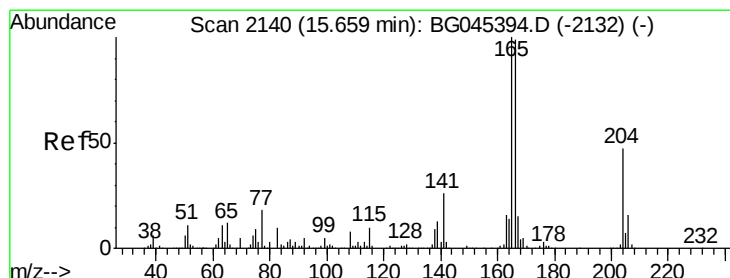
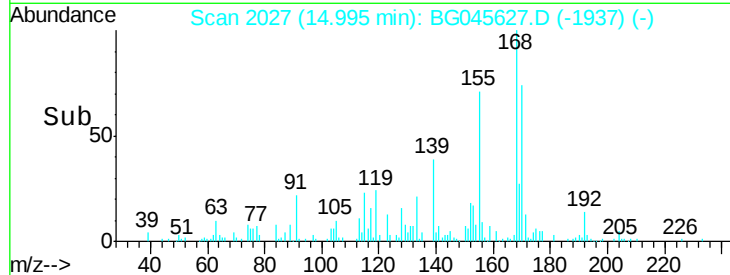
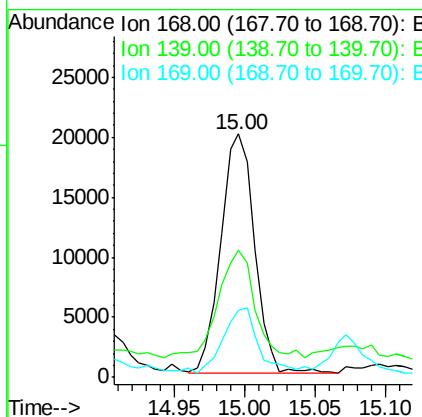
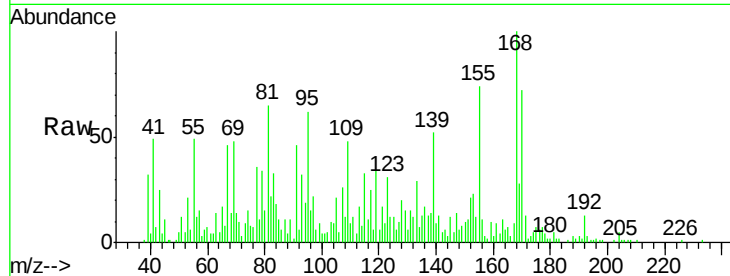




#55
Dibenzenofuran
Concen: 2.896 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

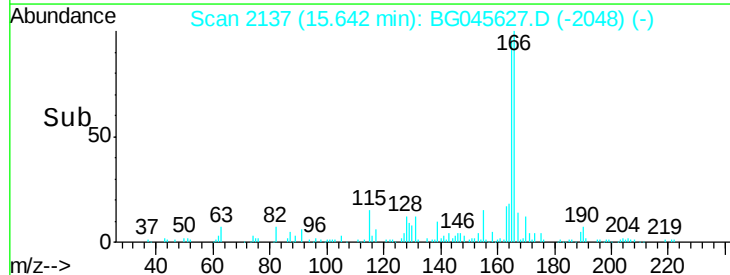
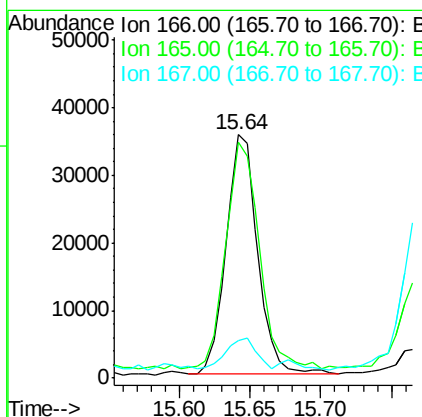
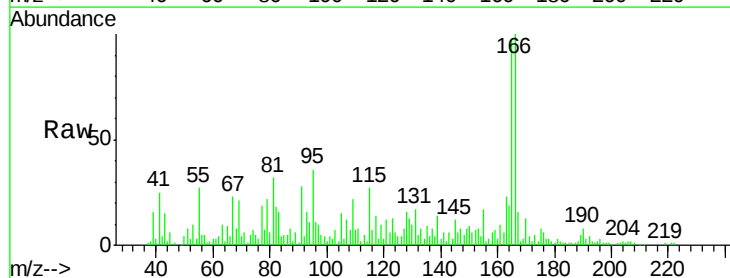
Instrument :
BNA_G
ClientSampled :
MW-16

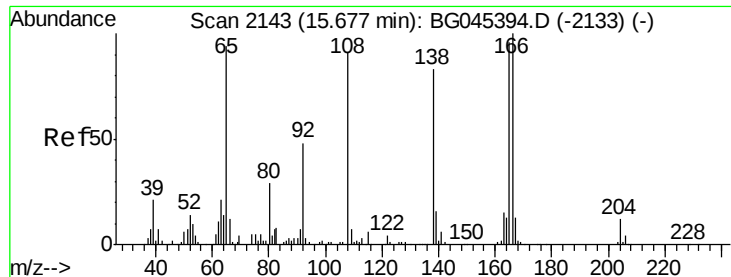
Tot Ion:168 Resp: 32944
Ion Ratio Lower Upper
168 100
139 52.0 29.9 44.9#
169 27.7 10.9 16.3#



#58
Fluorene
Concen: 5.919 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BG045627.D
Acq: 5 Jun 2020 22:14

Tgt Ion:166 Resp: 55322
Ion Ratio Lower Upper
166 100
165 96.8 80.8 121.2
167 15.5 12.0 18.0





#62

4-Nitroaniline

Concen: 2.575 ng

RT: 15.68 min Scan# 2143

Delta R.T. 0.01 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

Instrument :

BNA_G

ClientSampled :

MW-16

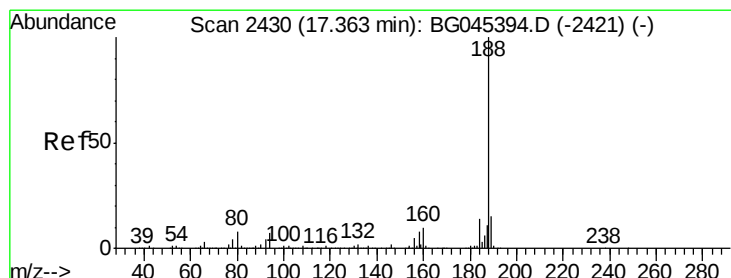
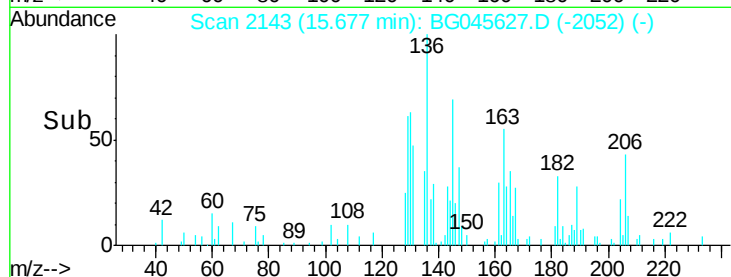
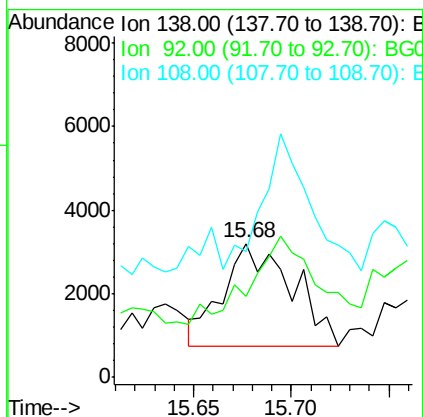
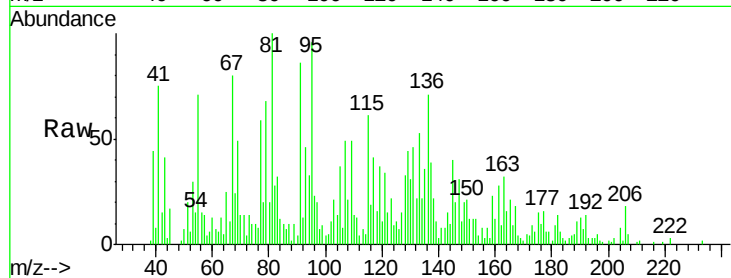
Tot Ion:138 Resp: 6041

Ion Ratio Lower Upper

138 100

92 60.7 38.0 78.0

108 93.9 89.3 129.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

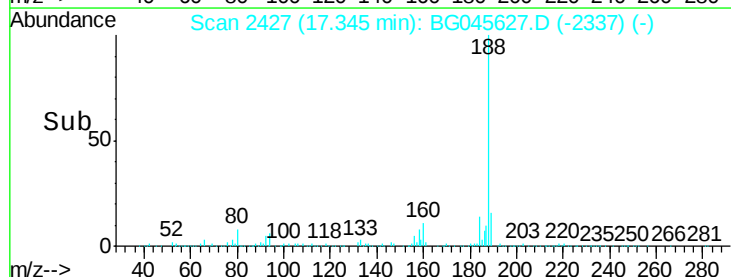
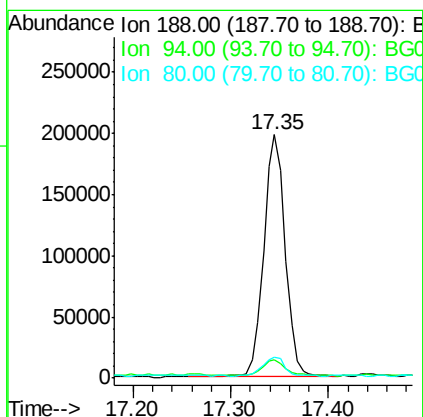
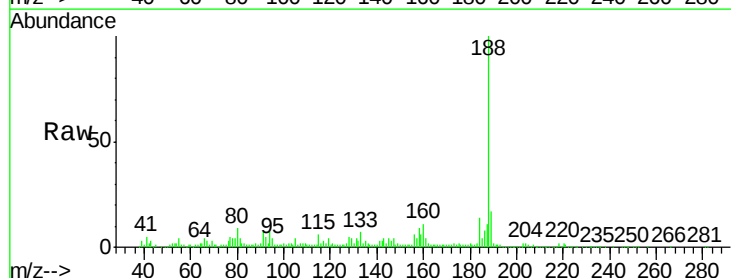
Tgt Ion:188 Resp: 306273

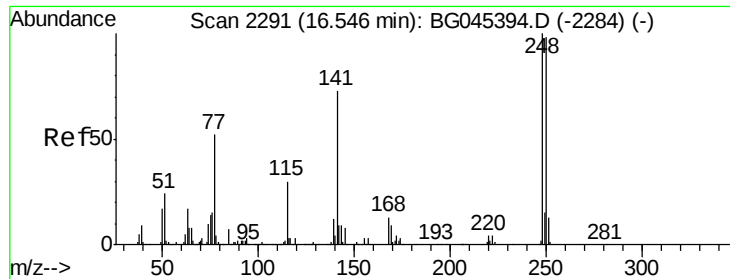
Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

80 8.8 6.6 10.0

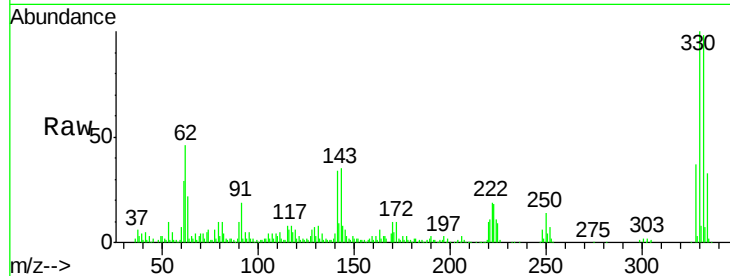




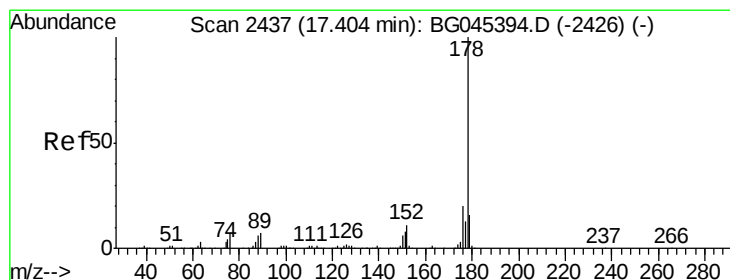
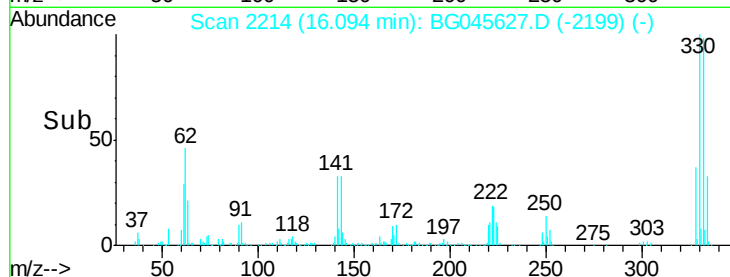
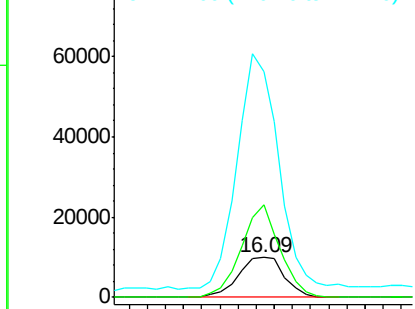
#67
 4-Bromophenyl-phenylether
 Concen: 5.289 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. -0.44 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Tot Ion:248 Resp: 17541
 Ion Ratio Lower Upper
 248 100
 250 233.4 78.6 117.8#
 141 570.1 58.2 87.2#

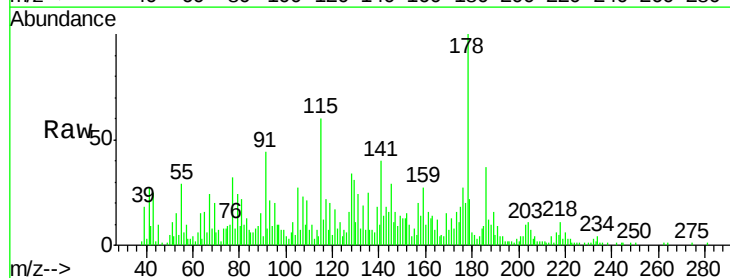


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

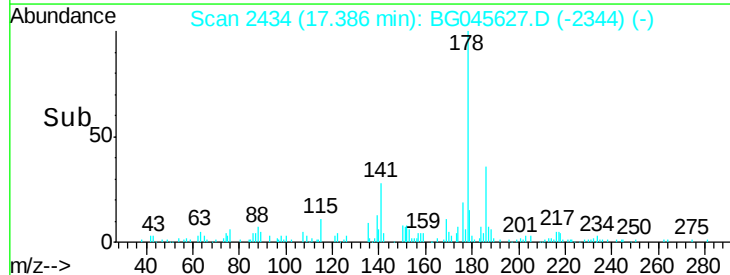
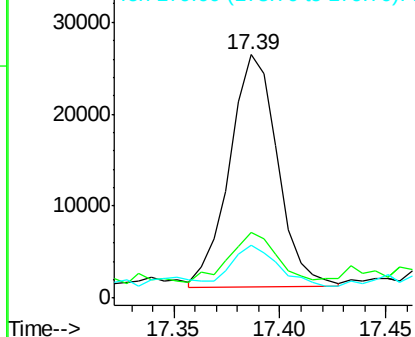


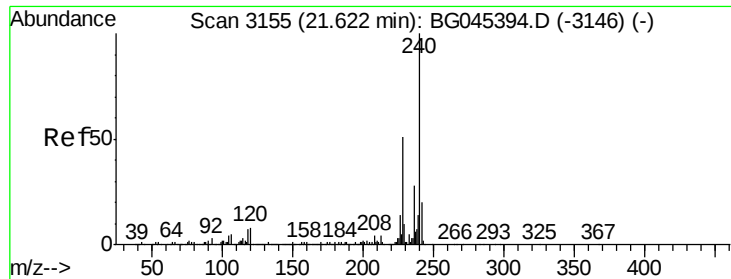
#71
 Phenanthrene
 Concen: 2.979 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. 0.00 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

Tgt Ion:178 Resp: 39834
 Ion Ratio Lower Upper
 178 100
 176 26.8 16.2 24.4#
 179 21.7 13.1 19.7#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

Instrument :

BNA_G

ClientSampleId :

MW-16

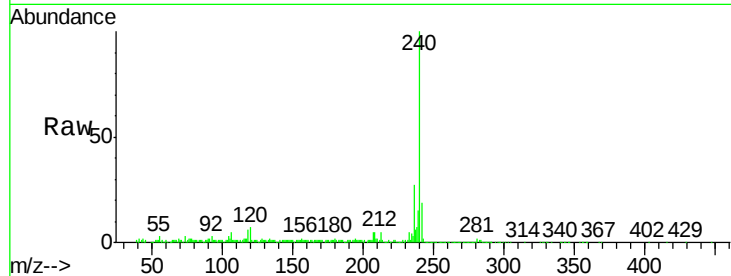
Tot Ion:240 Resp: 324518

Ion Ratio Lower Upper

240 100

120 7.4 6.1 9.1

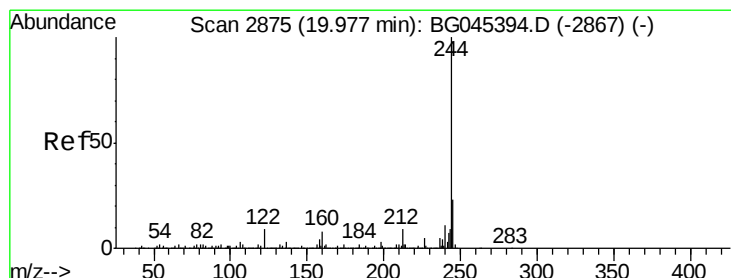
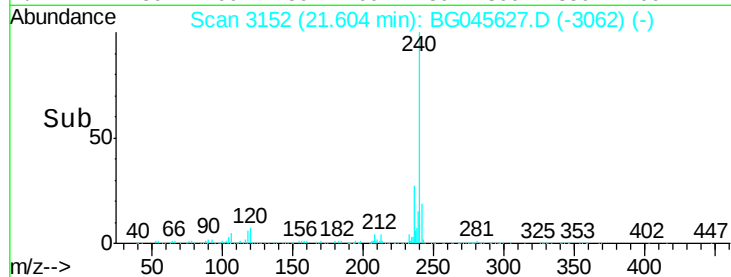
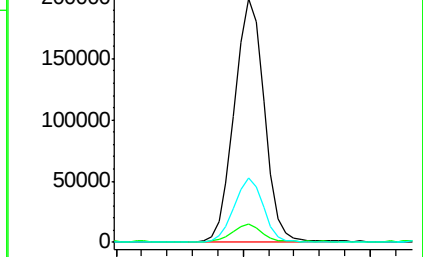
236 26.7 22.3 33.5



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: 101.049 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.01 min

Lab File: BG045627.D

Acq: 5 Jun 2020 22:14

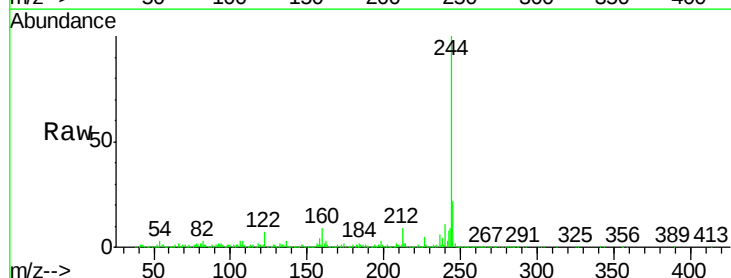
Tgt Ion:244 Resp: 1406011

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

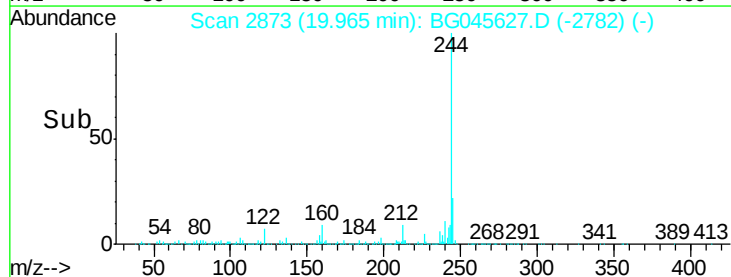
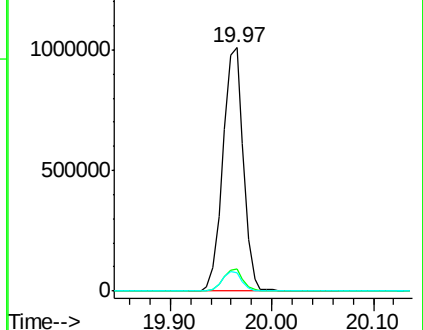
122 7.5 6.8 10.2

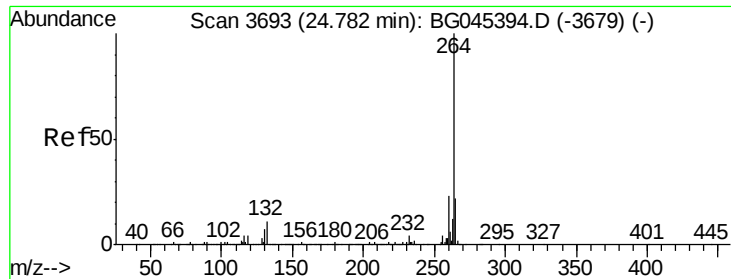


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: BG045627.D
 Acq: 5 Jun 2020 22:14

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Tot Ion:	264	Resp:	364960
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.4	17.6	26.4

