

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043675.D
 Acq On : 18 Nov 2019 16:17
 Operator : JU
 Sample : PB124780BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 01:39:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

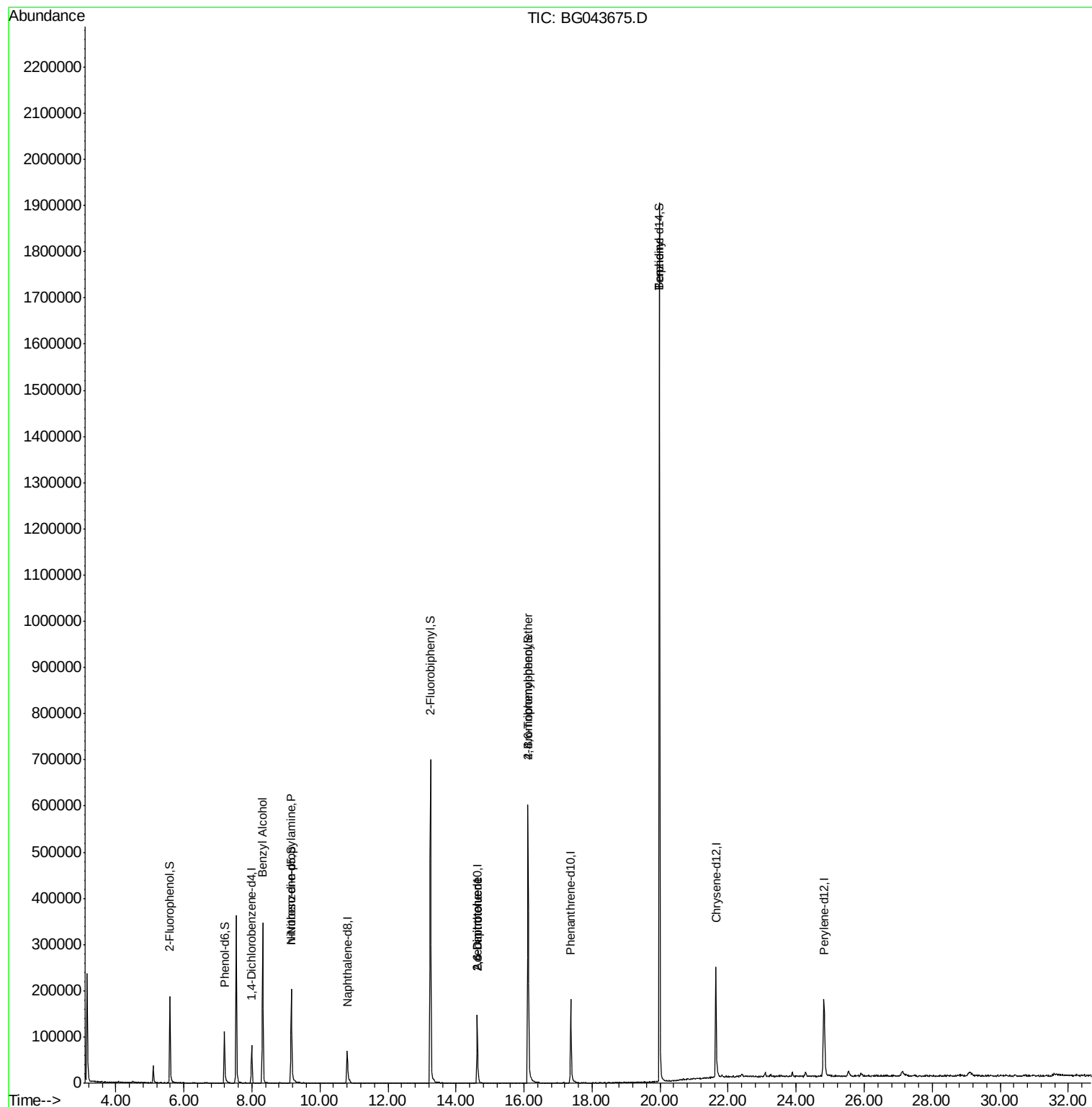
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	25004	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	86604	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	64286	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	159676	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	189644	20.00	ng	-0.02
87) Perylene-d12	24.82	264	218897	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	91134	66.79	ng	0.00
7) Phenol-d6	7.19	99	75350	38.38	ng	0.00
23) Nitrobenzene-d5	9.16	82	150354	89.50	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	158960	129.94	ng	-0.02
45) 2-Fluorobiphenyl	13.25	172	447441	96.18	ng	-0.02
79) Terphenyl-d14	19.98	244	1028389	101.73	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.31	79	3402	2.467	ng	# 60
19) n-Nitroso-di-n-propylamine	9.16	70	20379	16.064	ng	# 75
51) 2,6-Dinitrotoluene	14.63	165	8575	7.927	ng	# 25
57) 2,4-Dinitrotoluene	14.63	165	8575	5.547	ng	# 28
67) 4-Bromophenyl-phenylether	16.12	248	10658	4.960	ng	# 1
77) Benzidine	19.98	184	14515	3.803	ng	# 92

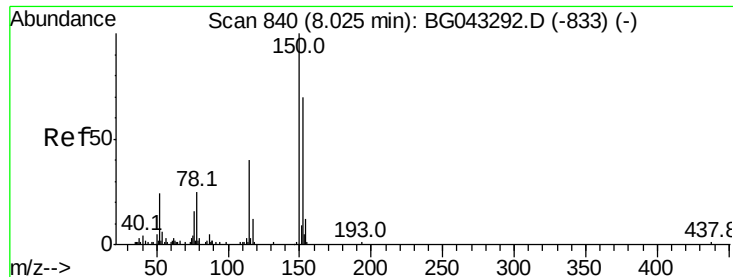
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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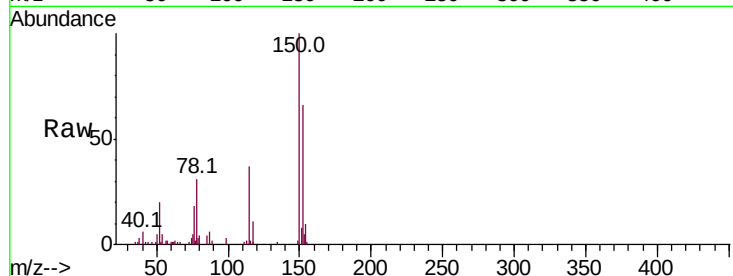


#1

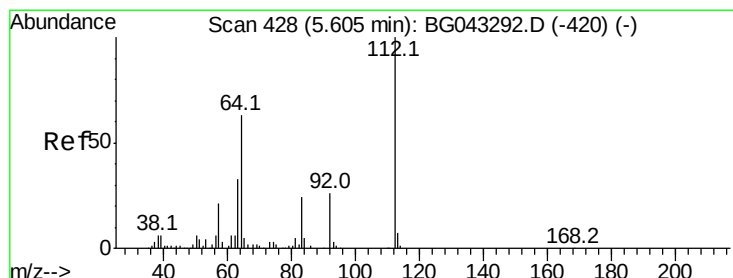
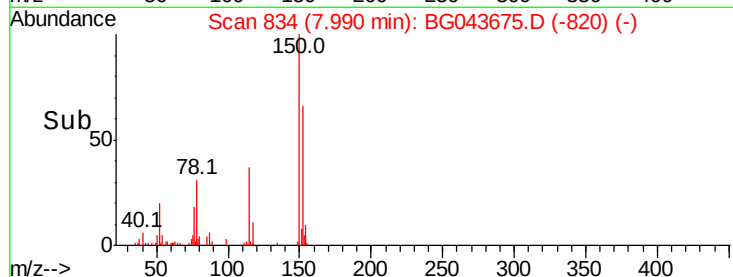
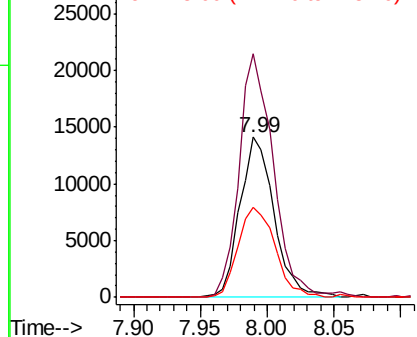
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043675.D
Acq: 18 Nov 2019 16:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 25004
Ion Ratio Lower Upper
152 100
150 151.8 129.4 194.0
115 56.2 48.8 73.2



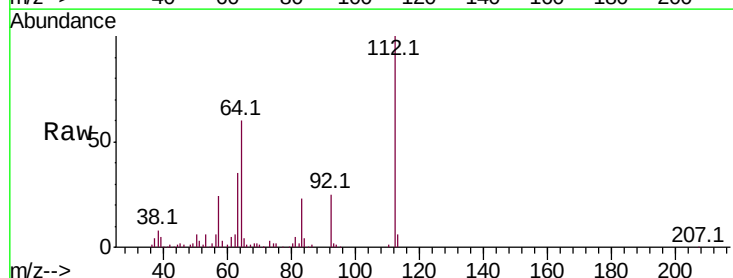
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



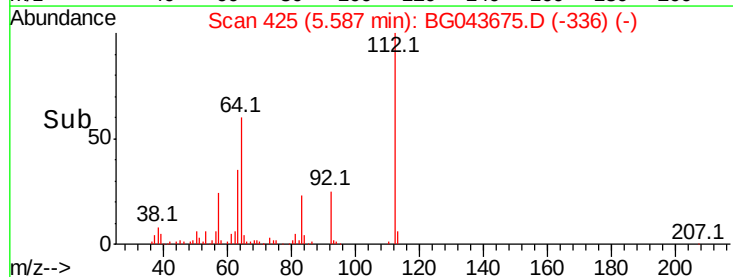
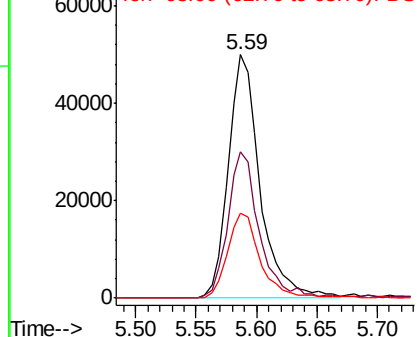
#5

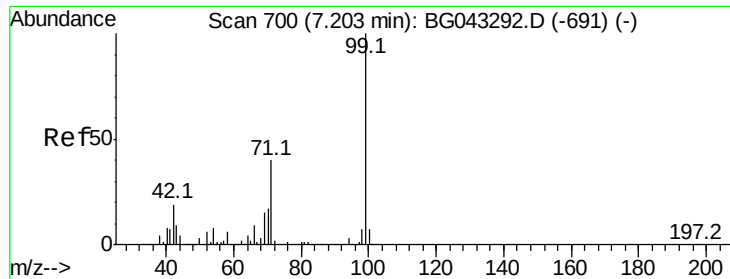
2-Fluorophenol
Concen: 66.789 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.01 min
Lab File: BG043675.D
Acq: 18 Nov 2019 16:17

Tgt Ion:112 Resp: 91134
Ion Ratio Lower Upper
112 100
64 60.2 50.0 75.0
63 34.8 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 38.381 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

Instrument :

BNA_G

ClientSampled :

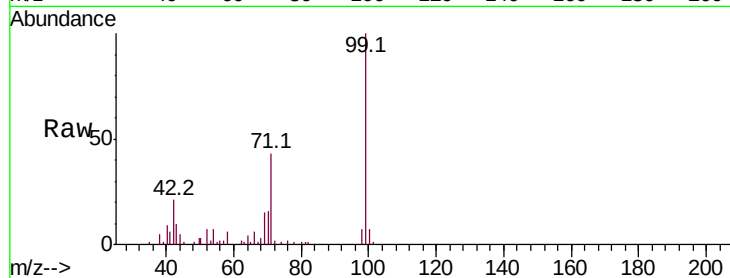
Tot Ion: 99 Resp: 75350

Ion Ratio Lower Upper

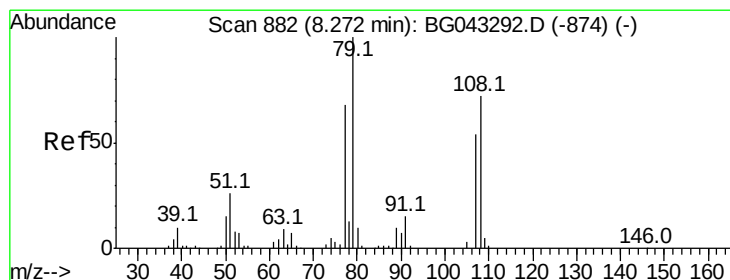
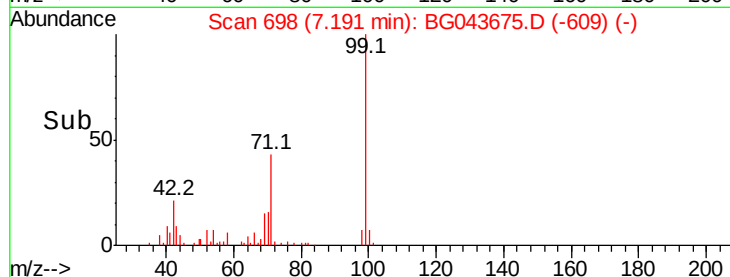
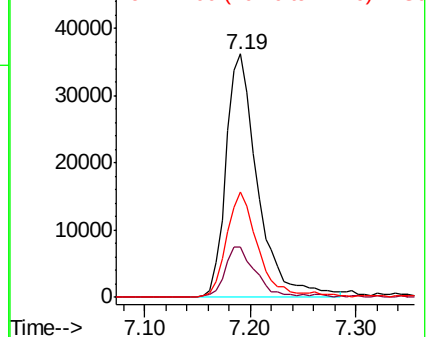
99 100

42 20.7 14.6 21.8

71 43.3 32.5 48.7



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



#15

Benzyl Alcohol

Concen: 2.467 ng

RT: 8.31 min Scan# 888

Delta R.T. 0.05 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

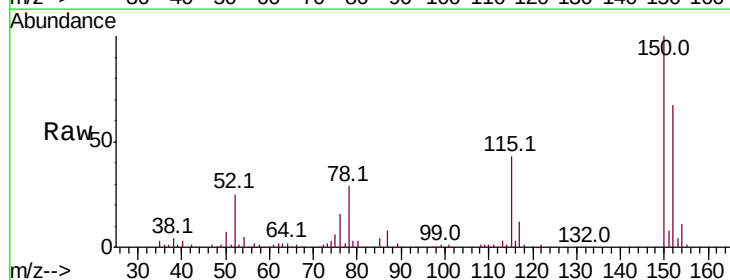
Tgt Ion: 79 Resp: 3402

Ion Ratio Lower Upper

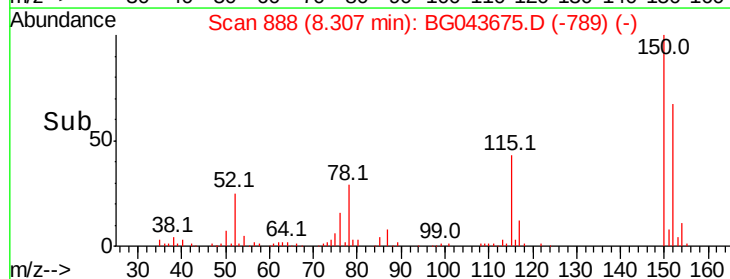
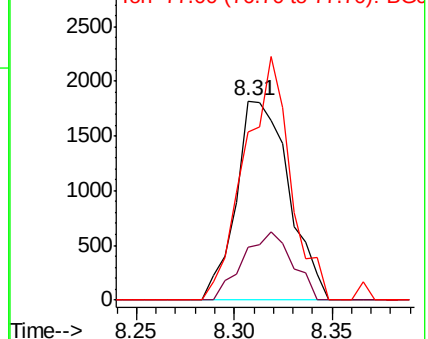
79 100

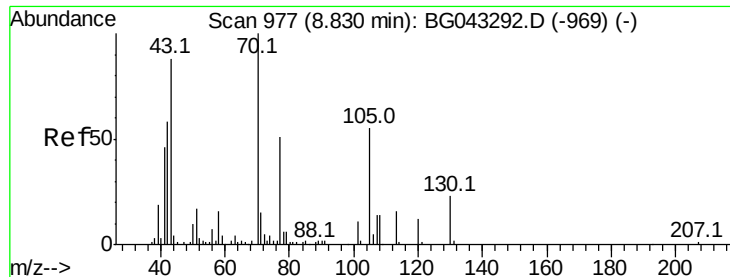
108 26.8 53.6 80.4#

77 84.3 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

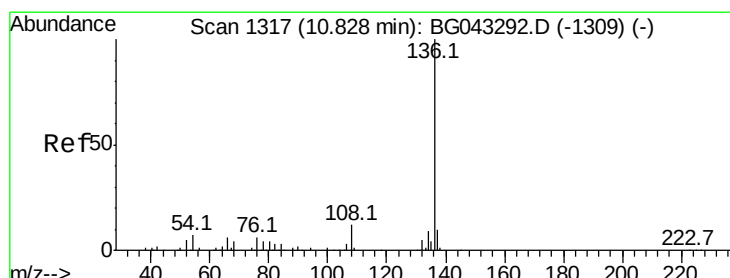
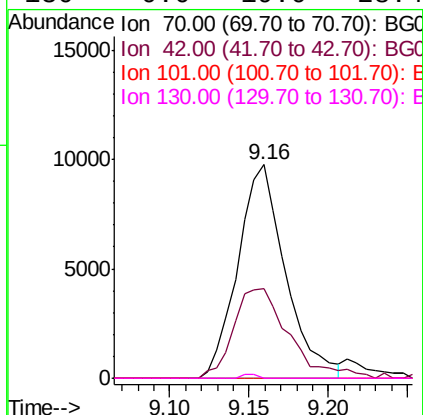
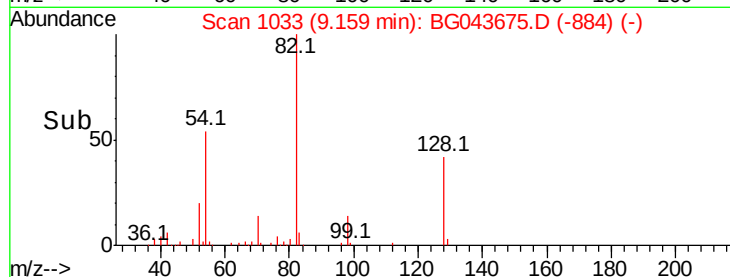
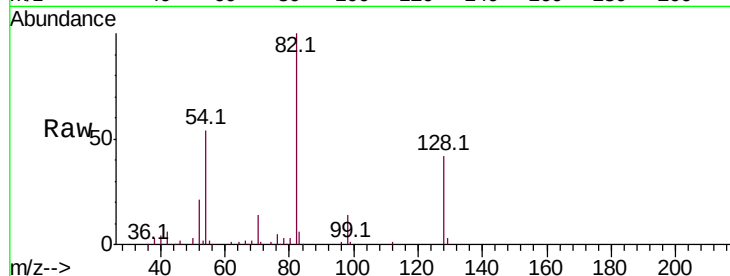




#19
n-Nitroso-di-n-propylamine
Concen: 16.064 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.35 min
Lab File: BG043675.D
Acq: 18 Nov 2019 16:17

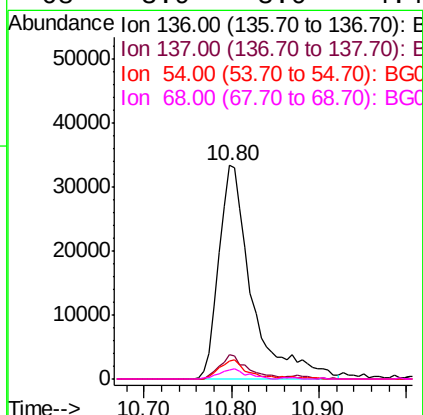
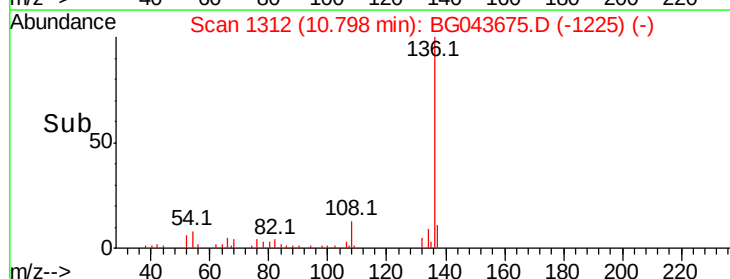
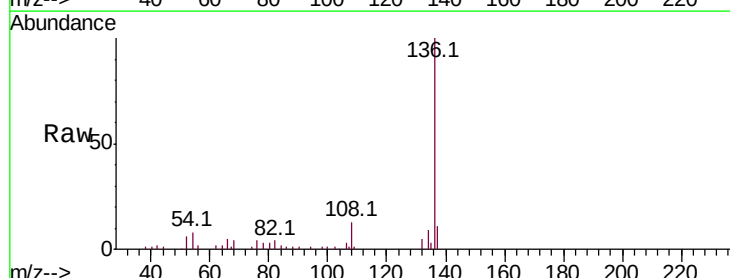
Instrument :
BNA_G
ClientSampled :

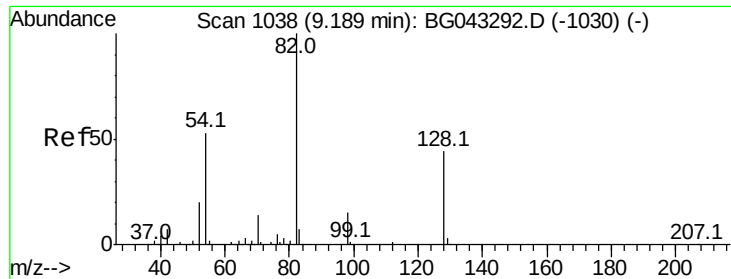
Tot Ion: 70 Resp: 20379
Ion Ratio Lower Upper
70 100
42 41.9 41.4 62.2
101 0.0 7.9 11.9#
130 0.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BG043675.D
Acq: 18 Nov 2019 16:17

Tgt Ion:136 Resp: 86604
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 8.2 5.4 8.2
68 3.9 3.0 4.4

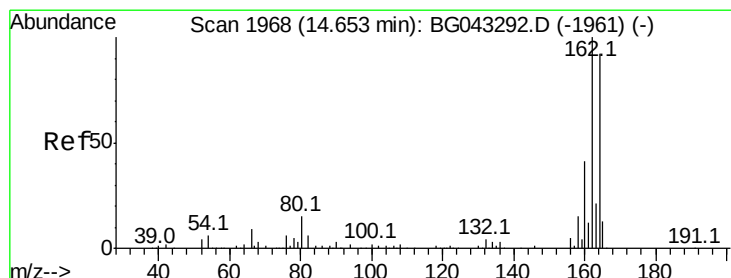
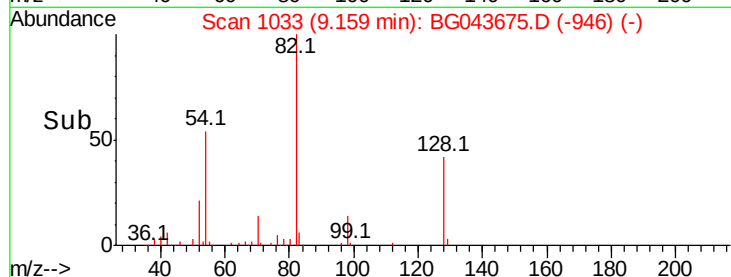
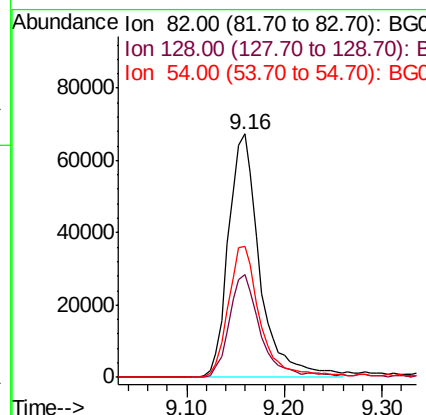
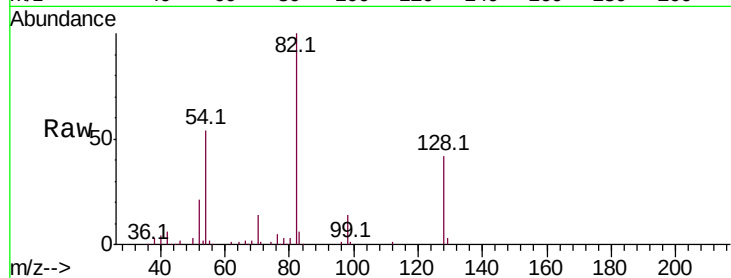




#23
 Nitrobenzene-d5
 Concen: 89.504 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BG043675.D
 Acq: 18 Nov 2019 16:17

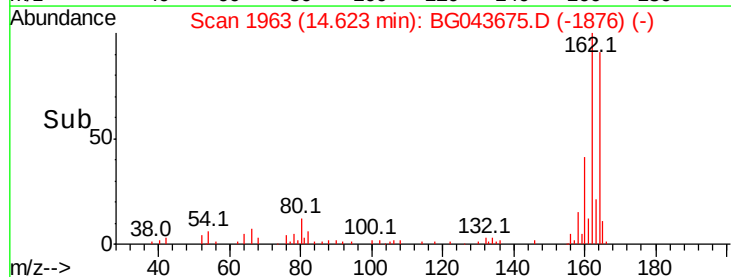
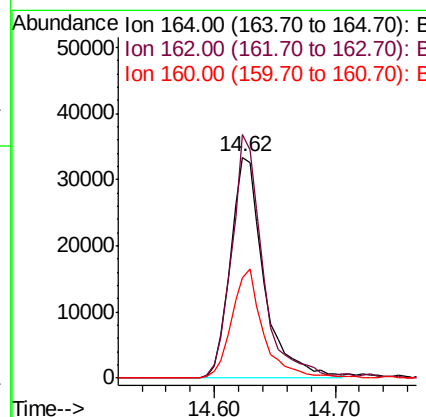
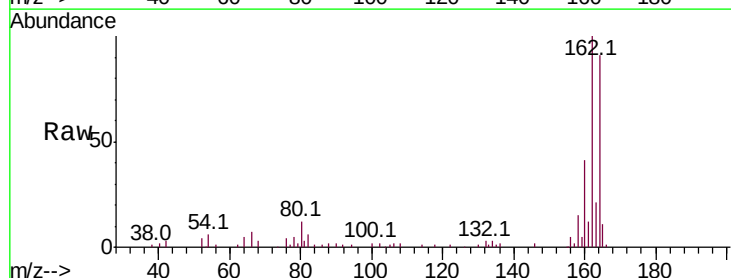
Instrument :
 BNA_G
 ClientSampled :

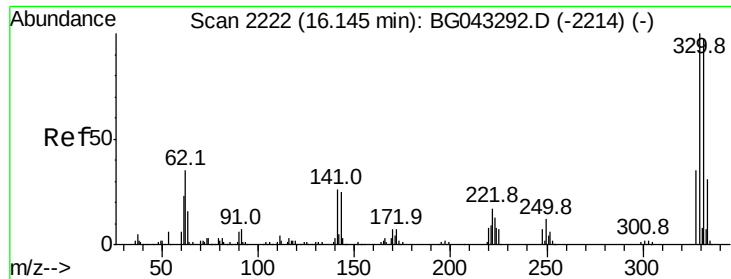
Tot Ion: 82 Resp: 150354
 Ion Ratio Lower Upper
 82 100
 128 42.4 35.0 52.6
 54 53.5 40.2 60.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.02 min
 Lab File: BG043675.D
 Acq: 18 Nov 2019 16:17

Tgt Ion: 164 Resp: 64286
 Ion Ratio Lower Upper
 164 100
 162 110.2 83.5 125.3
 160 45.5 36.5 54.7

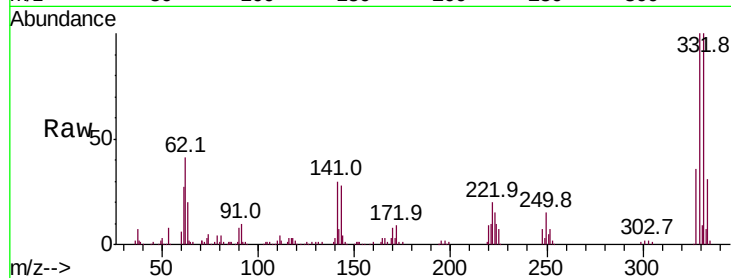




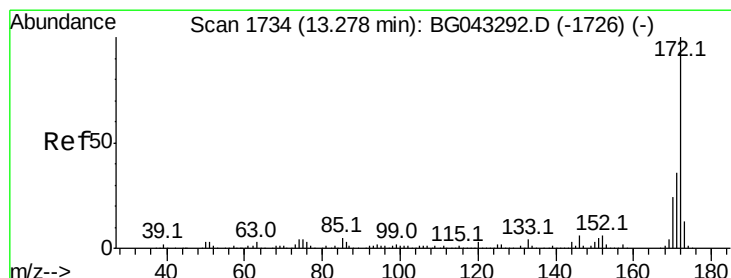
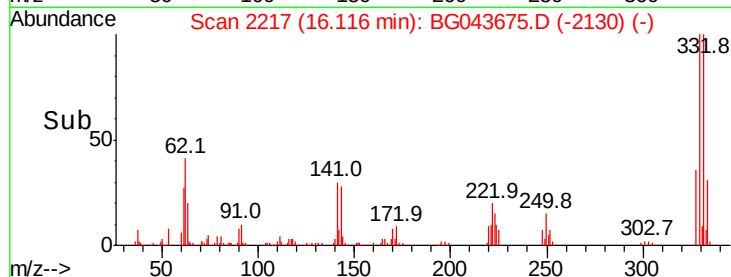
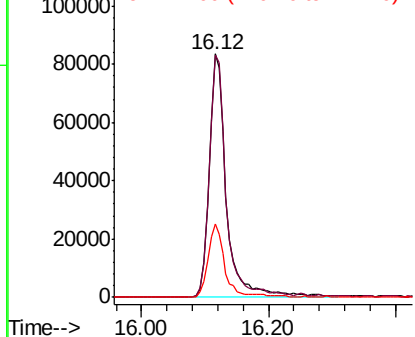
#42
 2,4,6-Tribromophenol
 Concen: 129.937 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.02 min
 Lab File: BG043675.D
 Acq: 18 Nov 2019 16:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 158960
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.0
 141 27.8 22.8 34.2

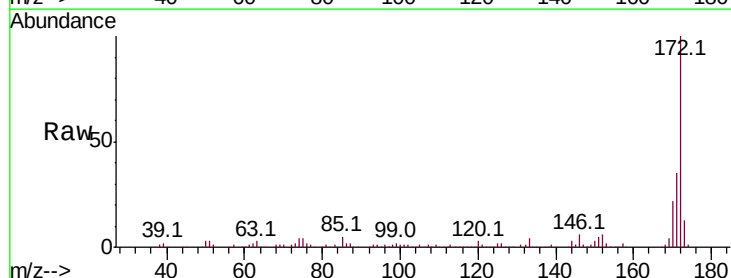


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

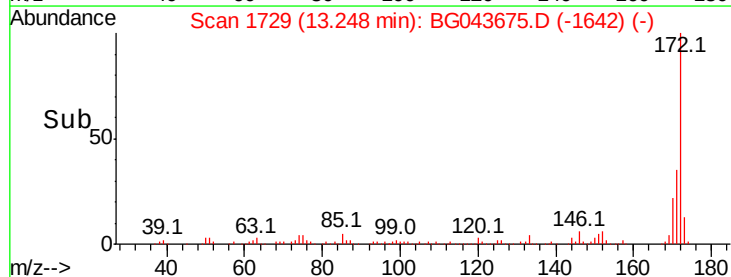
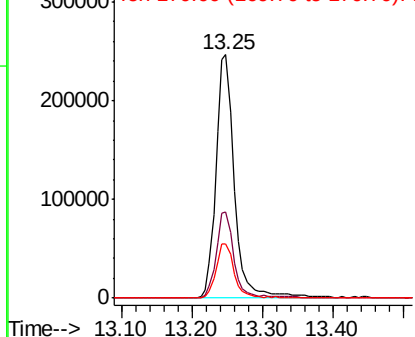


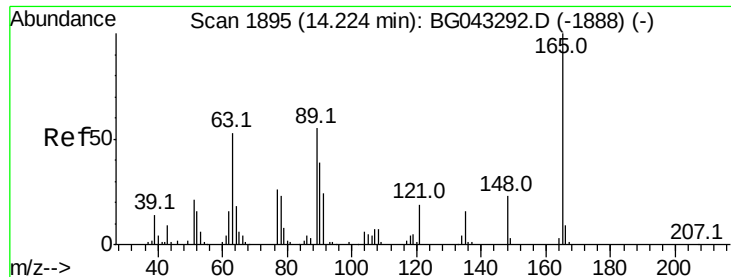
#45
 2-Fluorobiphenyl
 Concen: 96.176 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG043675.D
 Acq: 18 Nov 2019 16:17

Tgt Ion:172 Resp: 447441
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 22.1 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

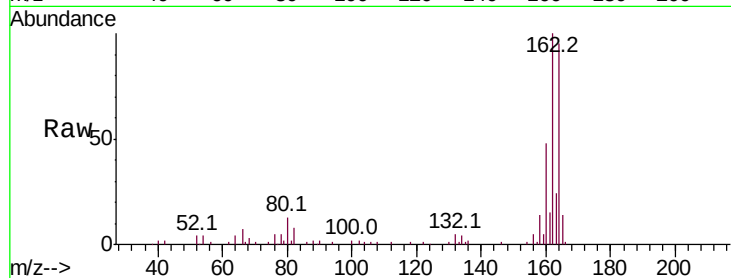




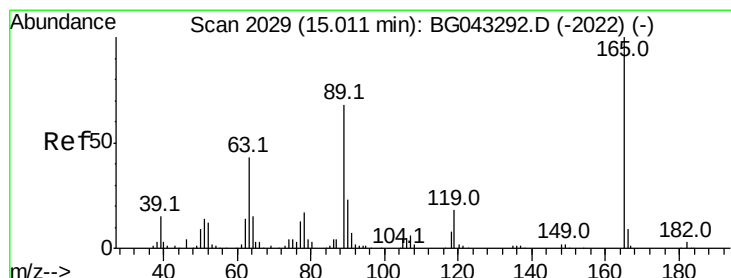
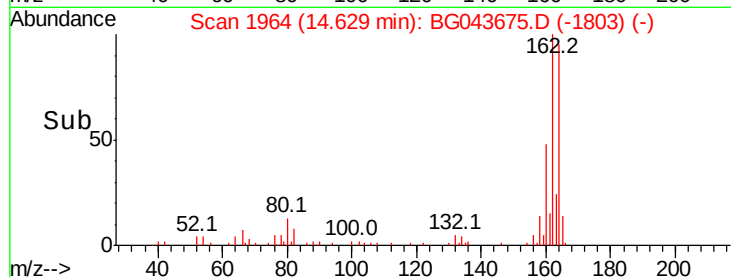
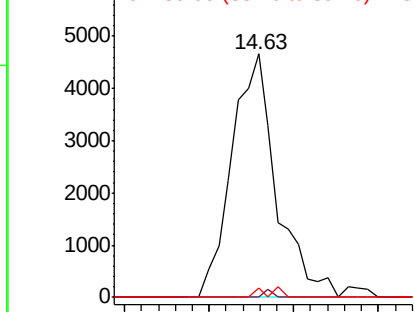
#51
 2,6-Dinitrotoluene
 Concen: 7.927 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.42 min
 Lab File: BG043675.D
 Acq: 18 Nov 2019 16:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 8575
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 3.7 45.1 67.7#

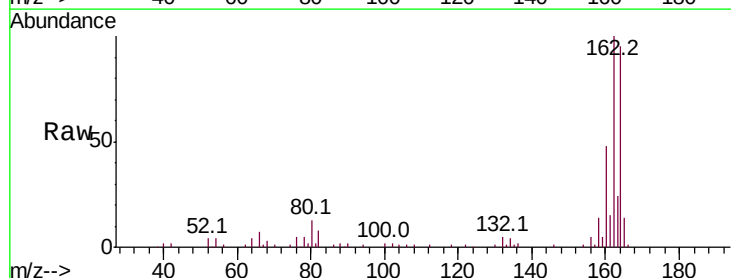


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

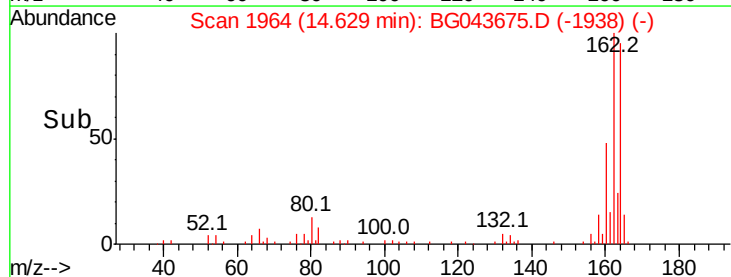
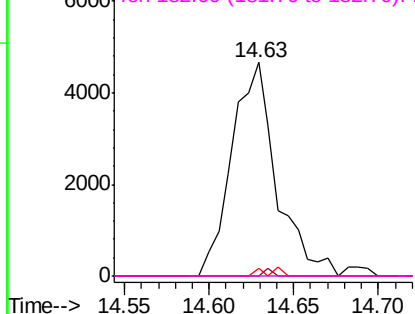


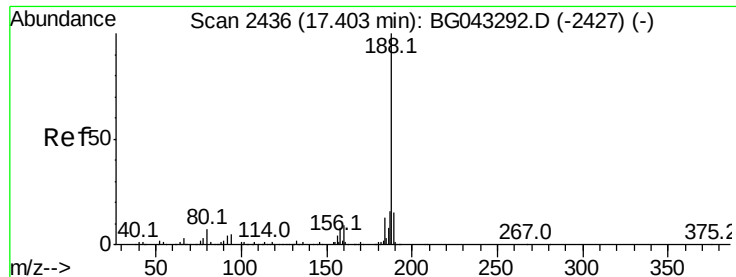
#57
 2,4-Dinitrotoluene
 Concen: 5.547 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043675.D
 Acq: 18 Nov 2019 16:17

Tgt Ion:165 Resp: 8575
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 3.7 52.2 78.4#
 182 0.0 2.0 3.0#



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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

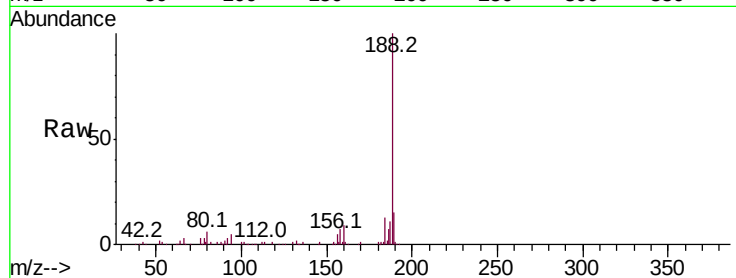
Tot Ion:188 Resp: 159676

Ion Ratio Lower Upper

188 100

94 4.6 4.2 6.4

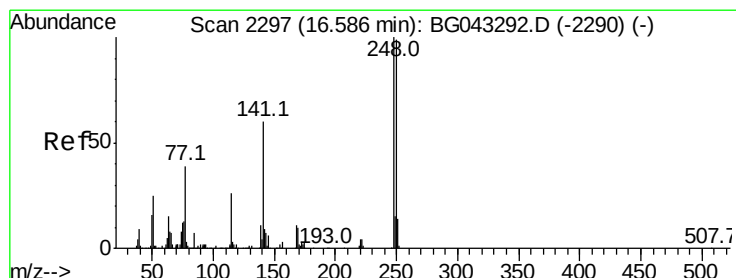
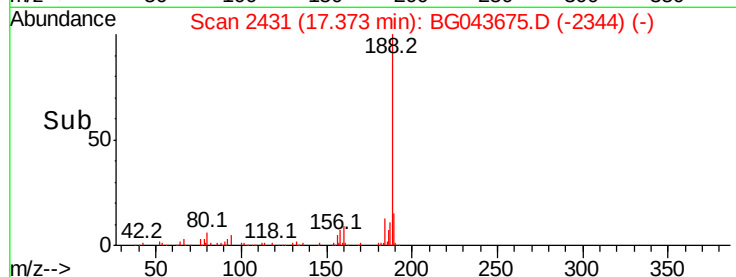
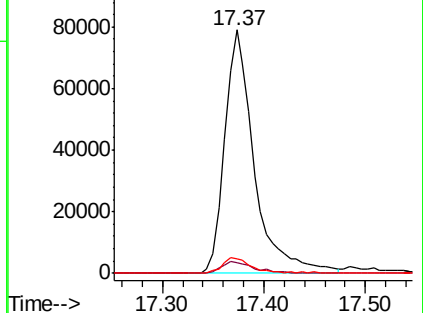
80 5.9 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.960 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

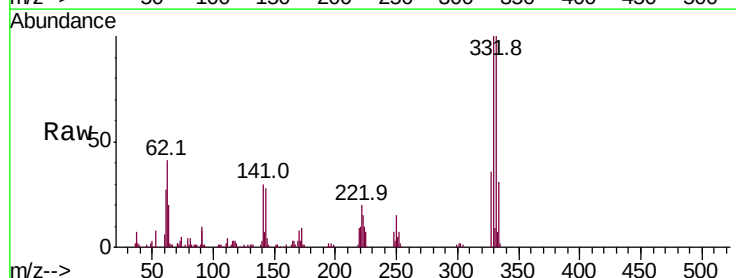
Tgt Ion:248 Resp: 10658

Ion Ratio Lower Upper

248 100

250 212.4 77.0 115.4#

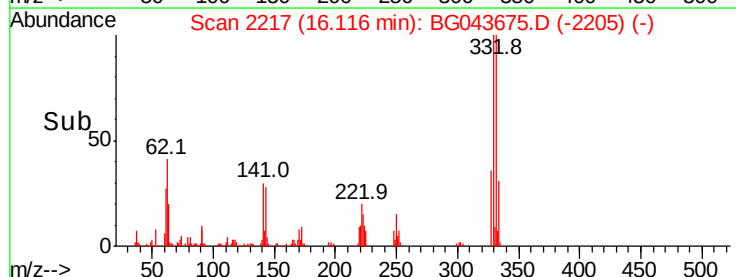
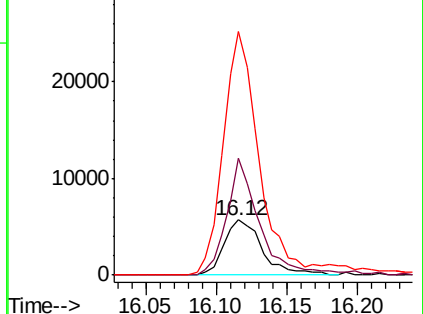
141 440.3 47.5 71.3#

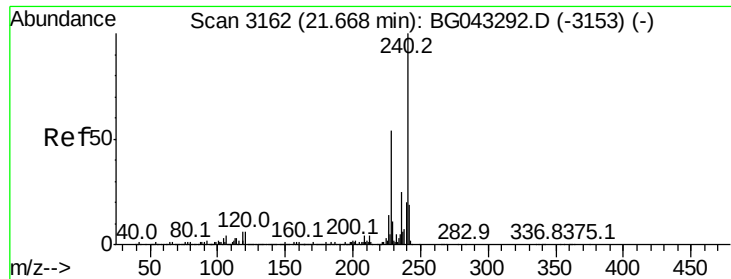


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

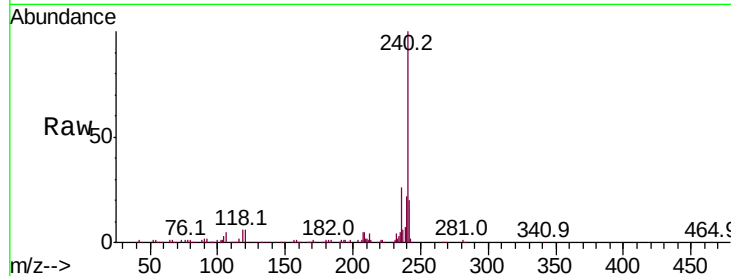
Tot Ion:240 Resp: 189644

Ion Ratio Lower Upper

240 100

120 5.8 4.6 6.8

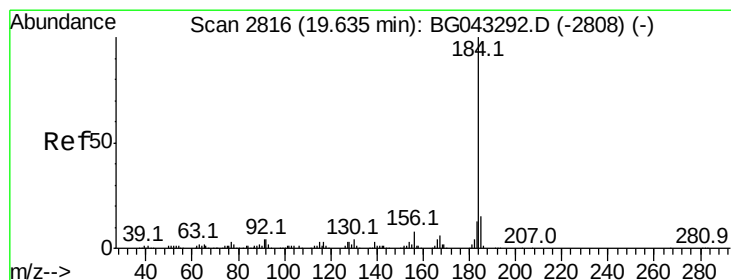
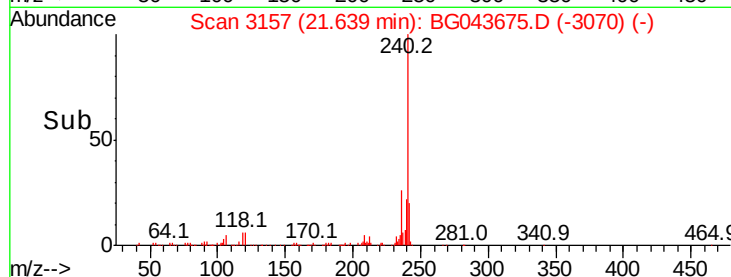
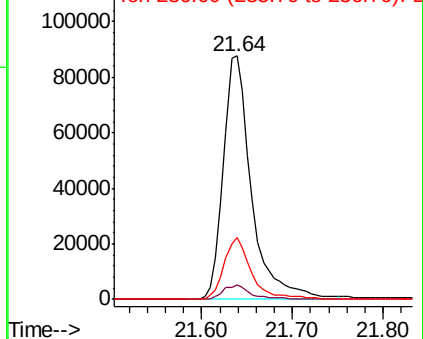
236 25.6 19.8 29.8



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



#77

Benzidine

Concen: 3.803 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

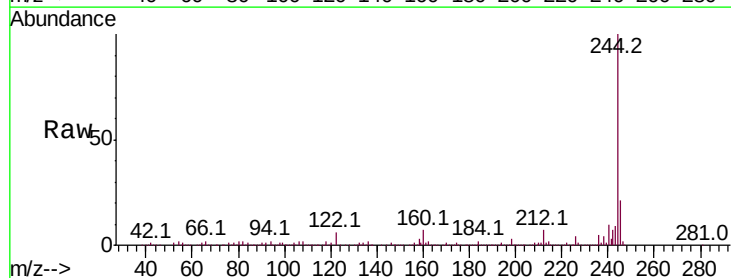
Tgt Ion:184 Resp: 14515

Ion Ratio Lower Upper

184 100

185 15.1 11.0 16.4

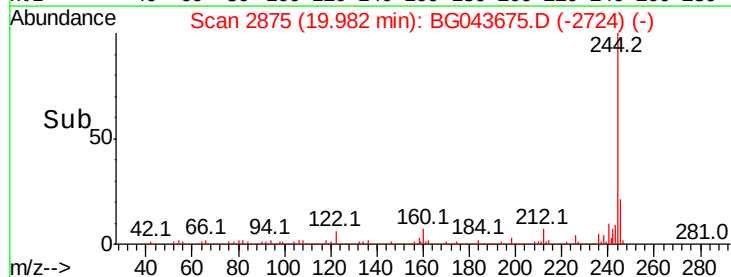
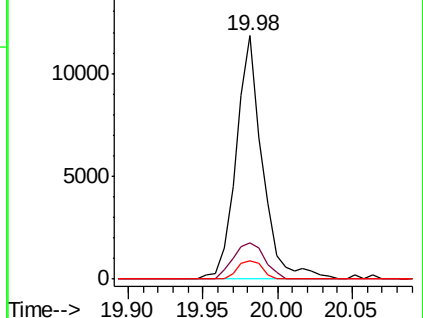
183 7.6 10.0 15.0#

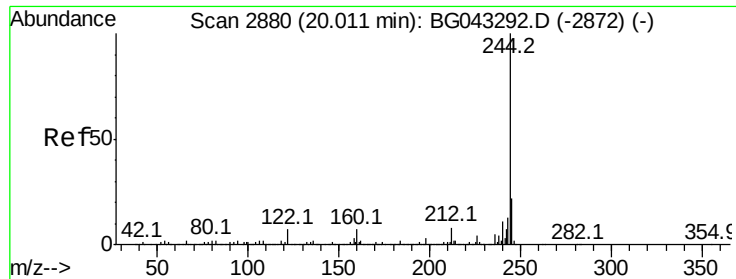


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 101.734 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

Instrument :

BNA_G

ClientSampled :

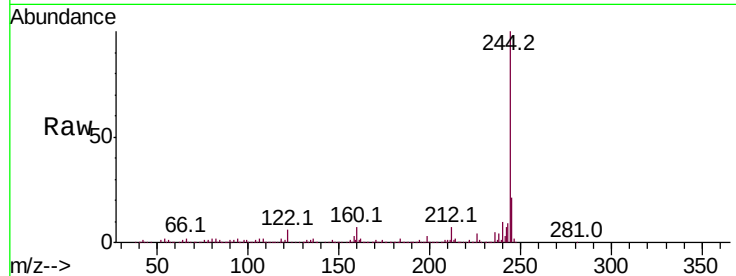
Tot Ion:244 Resp: 1028389

Ion Ratio Lower Upper

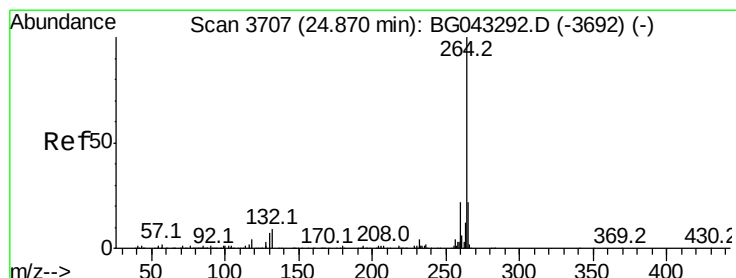
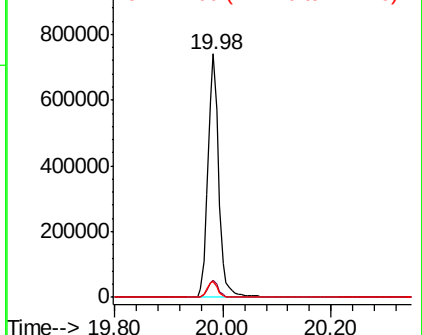
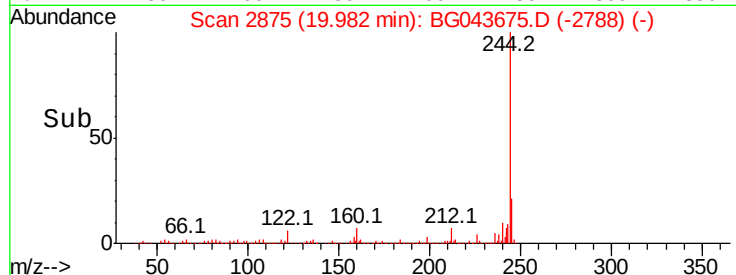
244 100

212 6.9 5.8 8.6

122 6.4 5.4 8.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3698

Delta R.T. -0.04 min

Lab File: BG043675.D

Acq: 18 Nov 2019 16:17

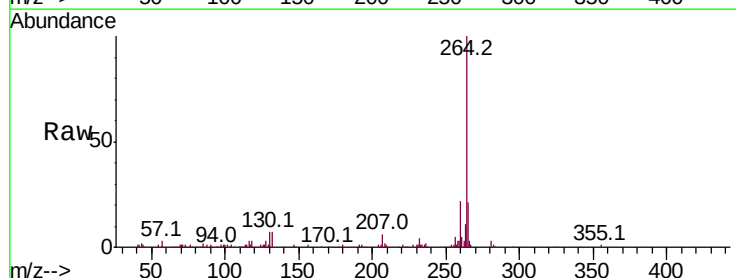
Tgt Ion:264 Resp: 218897

Ion Ratio Lower Upper

264 100

260 22.4 17.5 26.3

265 20.6 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

