

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
 Data File : BG043824.D
 Acq On : 17 Dec 2019 18:01
 Operator : JU
 Sample : PB125517BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 01:04:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

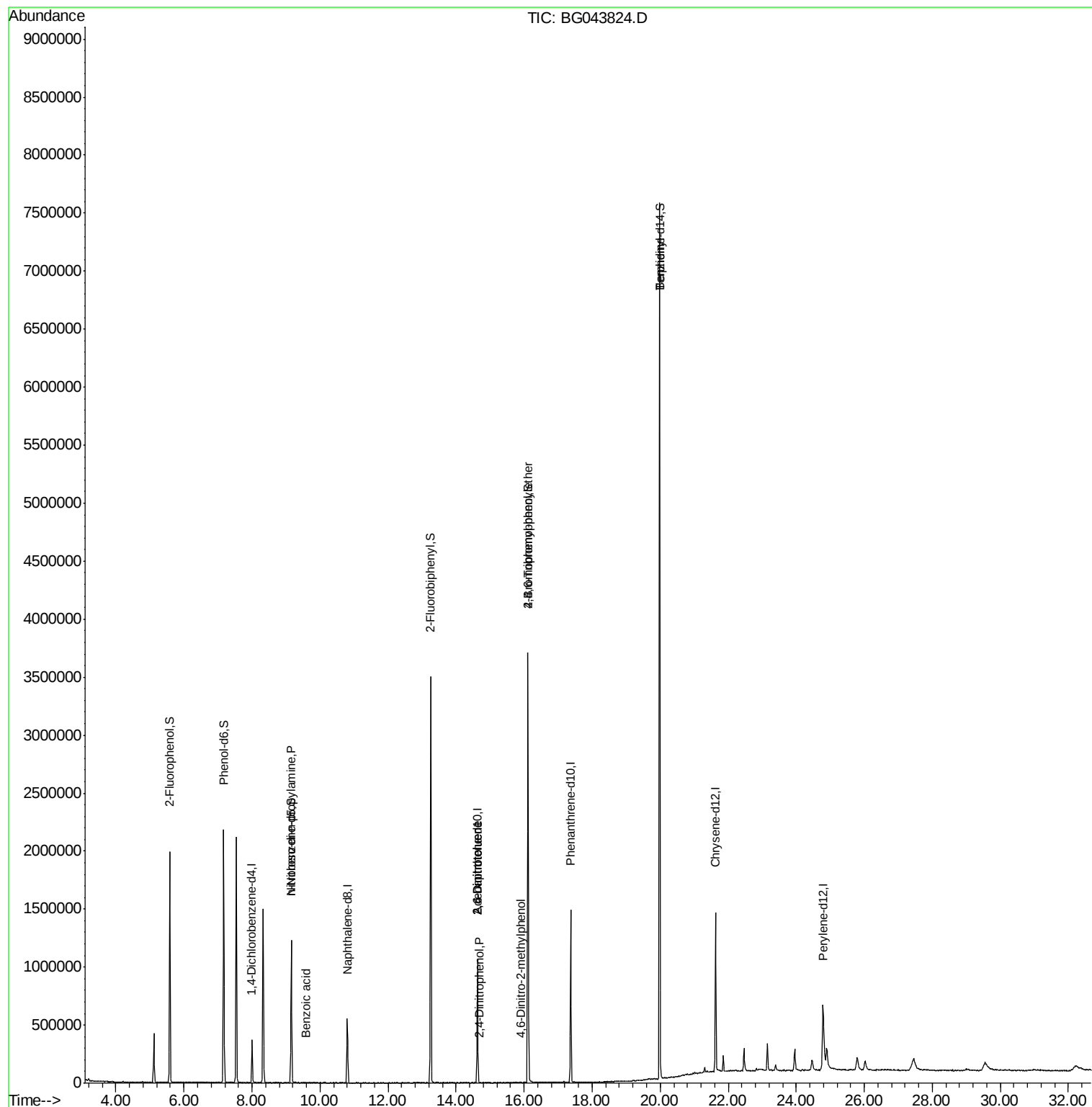
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	111632	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	489950	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	378032	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	931116	20.00	ng	0.00
76) Chrysene-d12	21.63	240	819068	20.00	ng	0.00
87) Perylene-d12	24.79	264	846218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	911087	154.64	ng	0.00
7) Phenol-d6	7.17	99	1317169	155.02	ng	0.00
23) Nitrobenzene-d5	9.16	82	768846	88.11	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	637237	176.82	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1846580	85.80	ng	0.00
79) Terphenyl-d14	19.99	244	3106751	91.25	ng	0.00
Target Compounds						
9) Benzaldehyde	7.17	77	2243	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	99502	15.317 ng	#	78
32) Benzoic acid	9.59	122	61	5.661 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	50904	8.754 ng	#	28
54) 2,4-Dinitrophenol	14.69	184	59	3.976 ng	#	19
57) 2,4-Dinitrotoluene	14.63	165	50904	6.479 ng	#	25
65) 4,6-Dinitro-2-methylphenol	15.90	198	91	9.521 ng	#	34
67) 4-Bromophenyl-phenylether	16.11	248	50932	5.116 ng	#	1
77) Benzidine	19.99	184	71226	3.986 ng	#	94

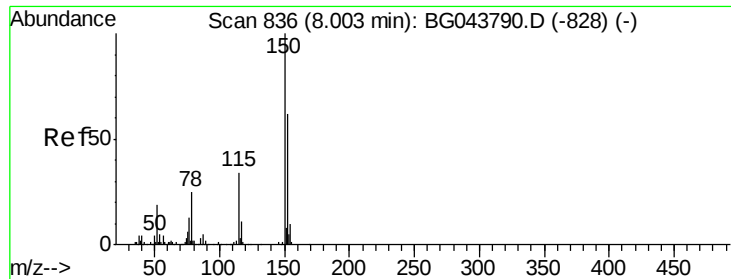
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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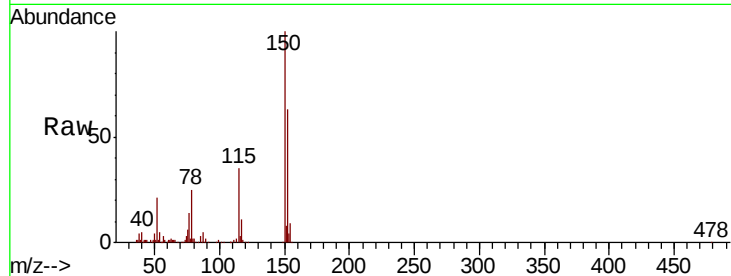


#1

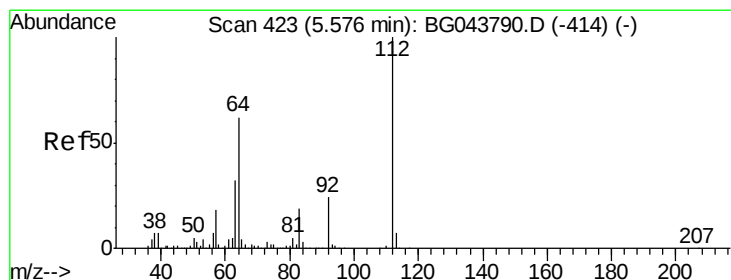
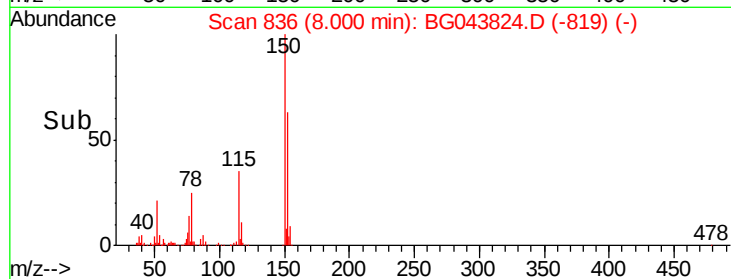
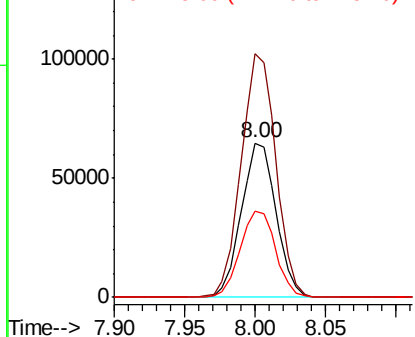
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043824.D
Acq: 17 Dec 2019 18:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 111632
Ion Ratio Lower Upper
152 100
150 157.5 128.6 192.8
115 55.4 44.3 66.5



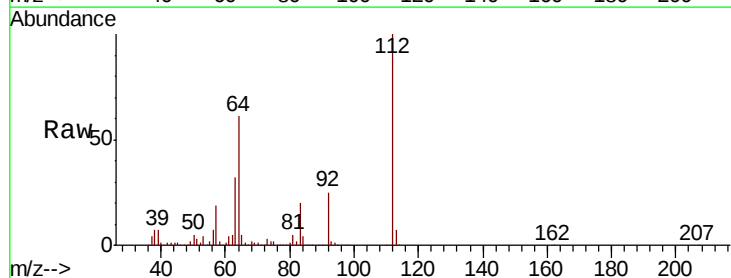
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



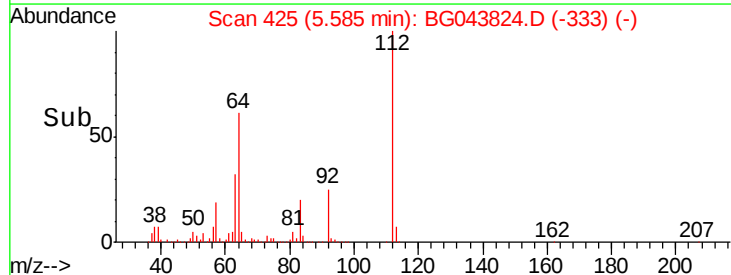
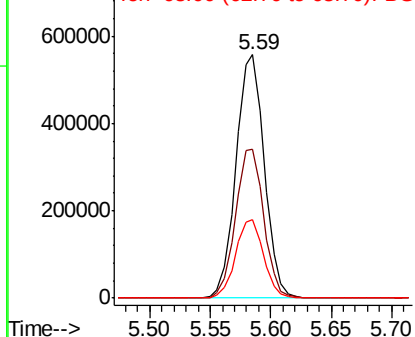
#5

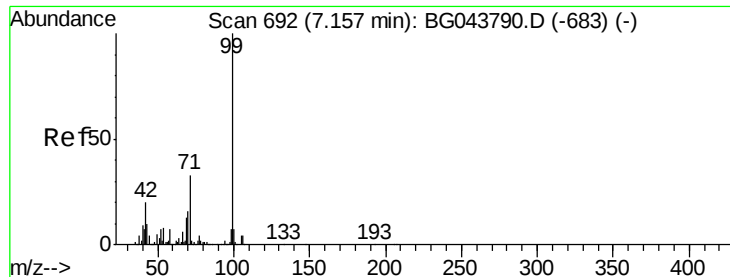
2-Fluorophenol
Concen: 154.638 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.01 min
Lab File: BG043824.D
Acq: 17 Dec 2019 18:01

Tgt Ion:112 Resp: 911087
Ion Ratio Lower Upper
112 100
64 61.1 49.9 74.9
63 32.3 26.0 39.0



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: 155.016 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG043824.D

Acq: 17 Dec 2019 18:01

Instrument :

BNA_G

ClientSampleId :

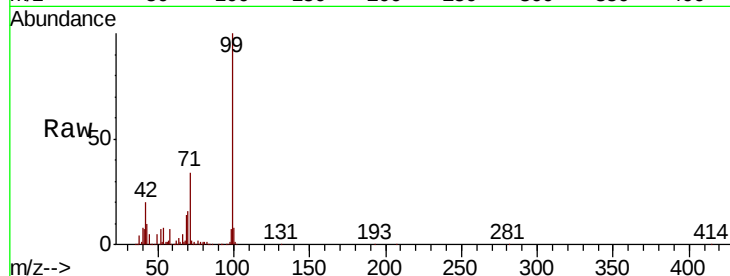
Tot Ion: 99 Resp: 1317169

Ion Ratio Lower Upper

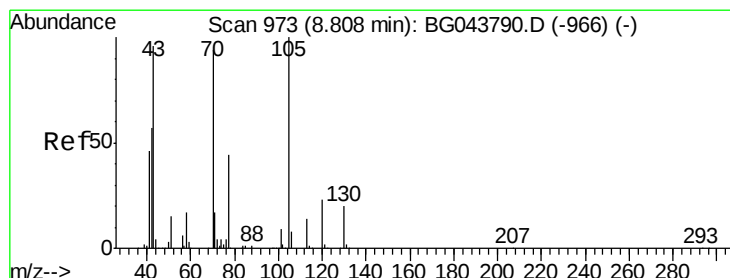
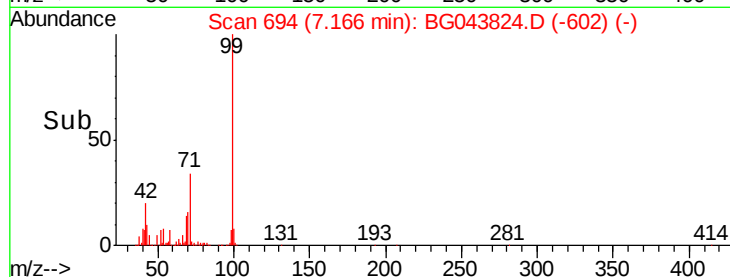
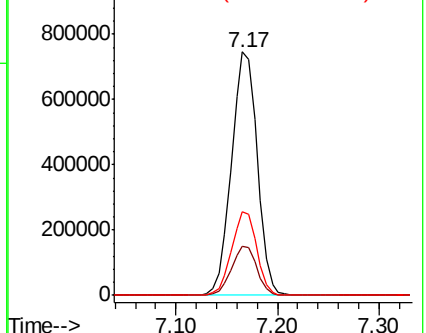
99 100

42 20.0 16.2 24.2

71 34.2 26.6 40.0



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: 15.317 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG043824.D

Acq: 17 Dec 2019 18:01

Tgt Ion: 70 Resp: 99502

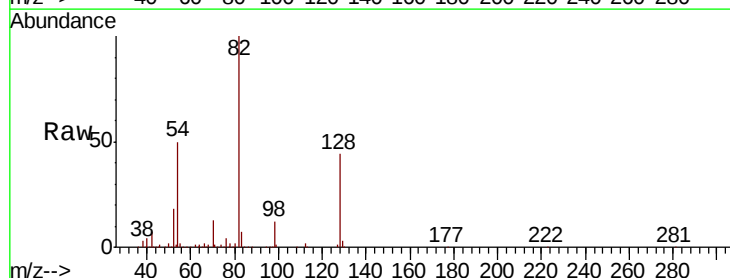
Ion Ratio Lower Upper

70 100

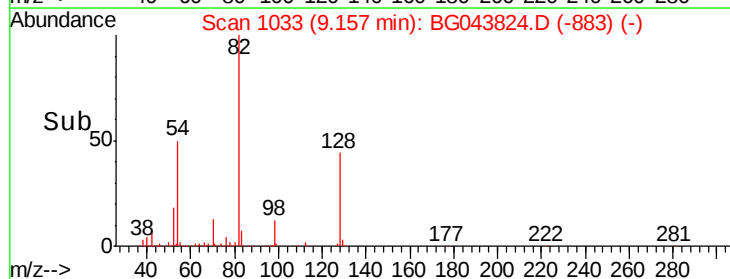
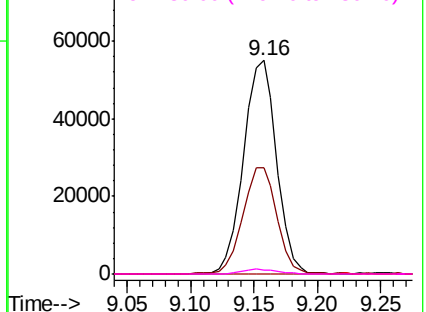
42 50.0 49.2 73.8

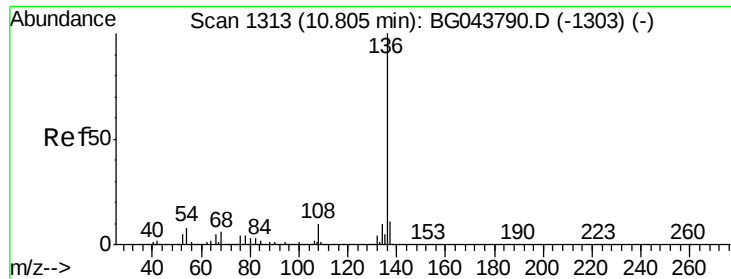
101 0.0 7.8 11.6#

130 2.1 17.0 25.6#



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: BG043824.D

Acq: 17 Dec 2019 18:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 489950

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	8.9	6.8	10.2
68	6.2	5.0	7.4

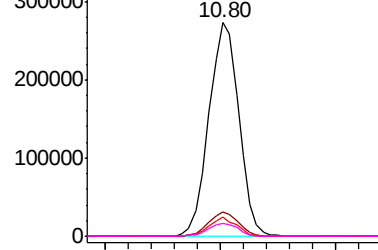
Abundance

Ion 136.00 (135.70 to 136.70): E

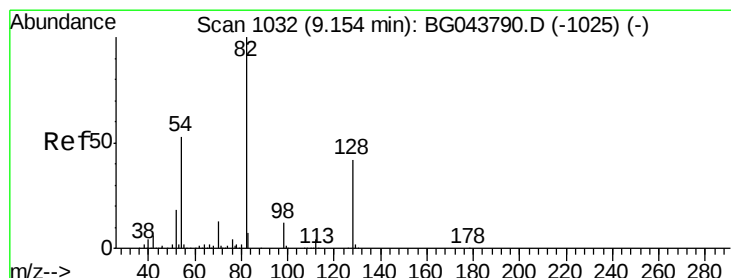
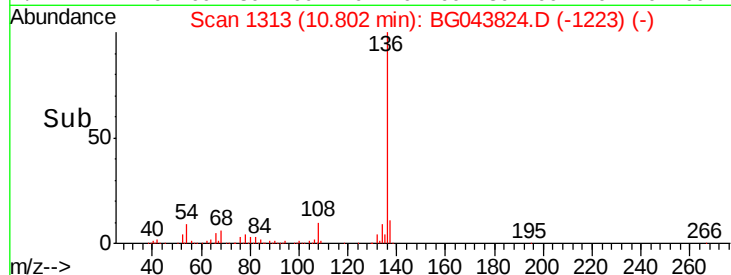
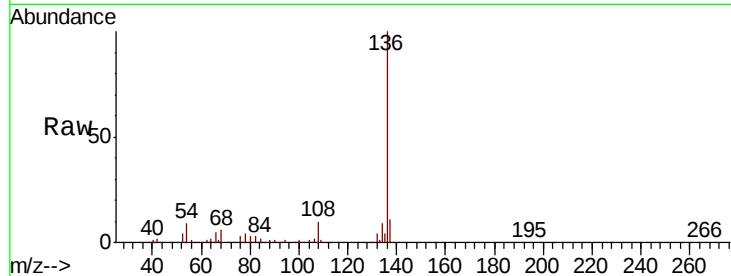
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 88.108 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BG043824.D

Acq: 17 Dec 2019 18:01

Tgt Ion: 82 Resp: 768846

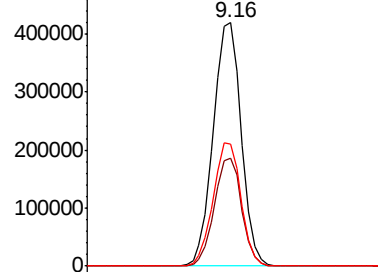
Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.6	50.4
54	50.2	42.1	63.1

Abundance

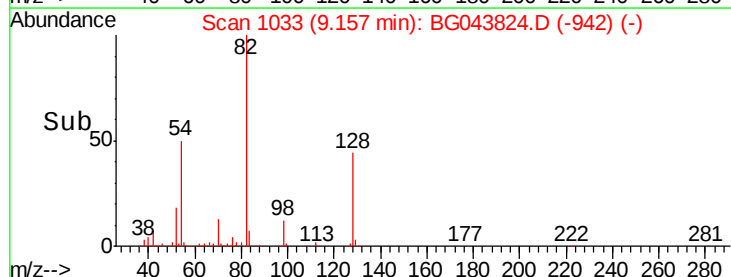
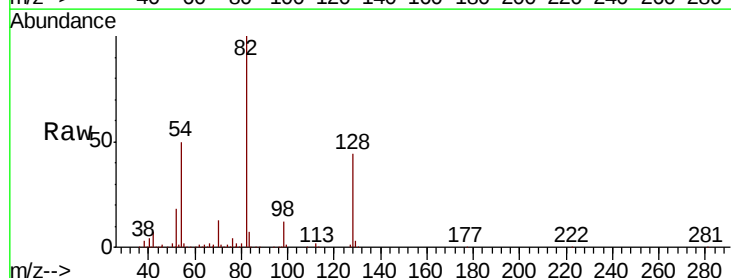
Ion 82.00 (81.70 to 82.70): BGC

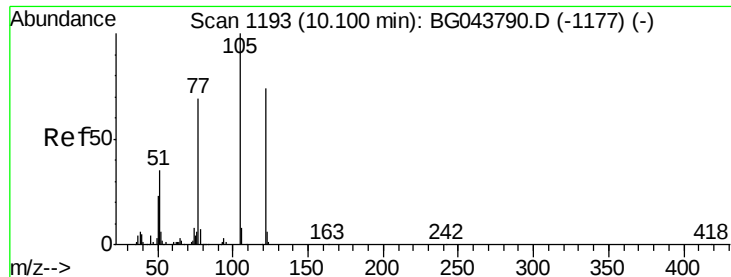
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->

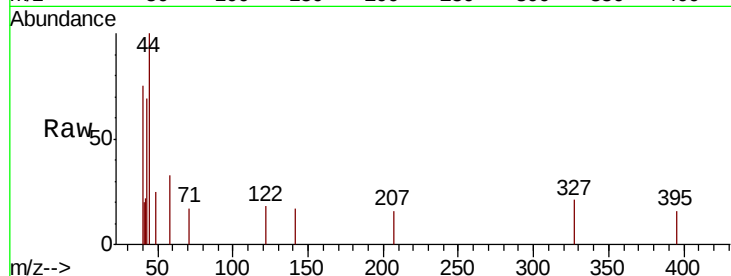




#32
Benzoic acid
Concen: 5.661 ng
RT: 9.59 min Scan# 1106
Delta R.T. -0.51 min
Lab File: BG043824.D
Acq: 17 Dec 2019 18:01

Instrument :
BNA_G
ClientSampleId :

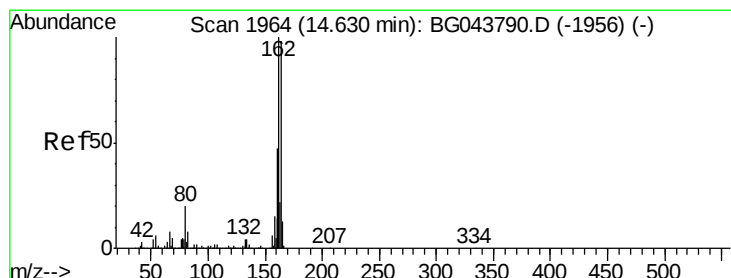
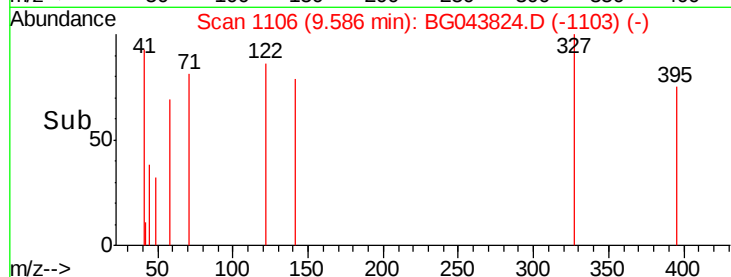
Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 107.5 147.5#
77 0.0 71.7 111.7#



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): B

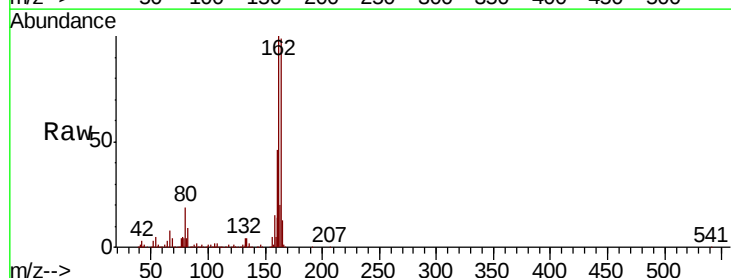
9.59

Time-->



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043824.D
Acq: 17 Dec 2019 18:01

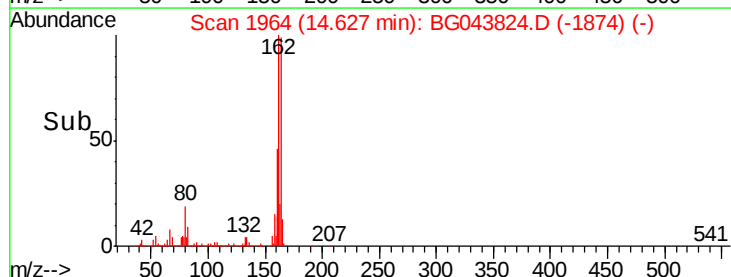
Tgt Ion:164 Resp: 378032
Ion Ratio Lower Upper
164 100
162 100.7 81.9 122.9
160 46.0 38.3 57.5

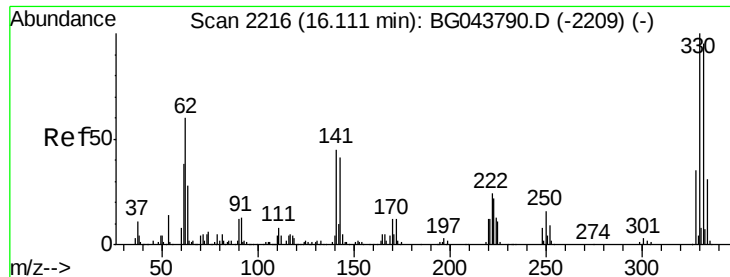


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

14.63

Time-->

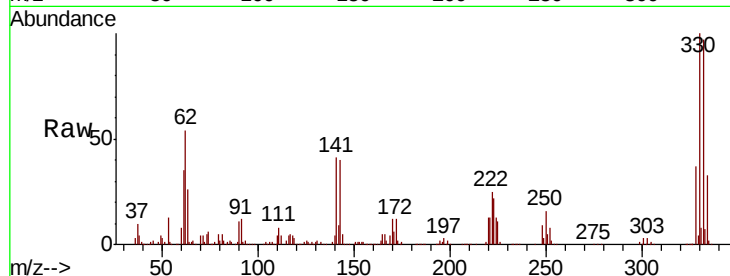




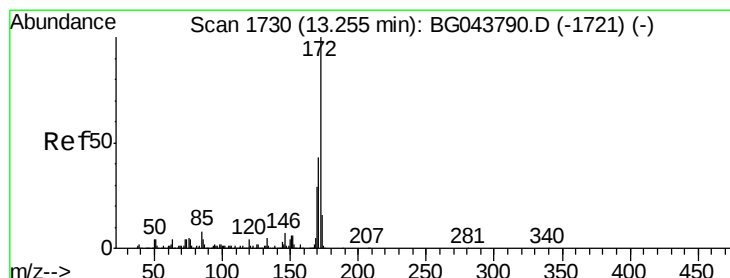
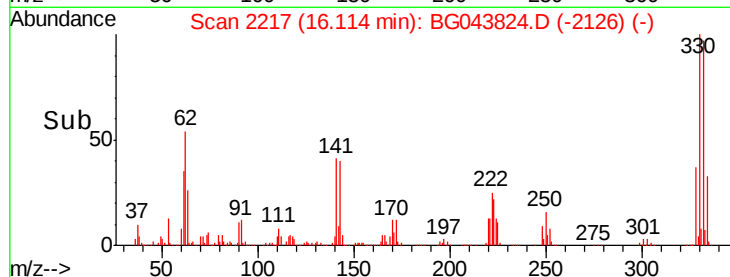
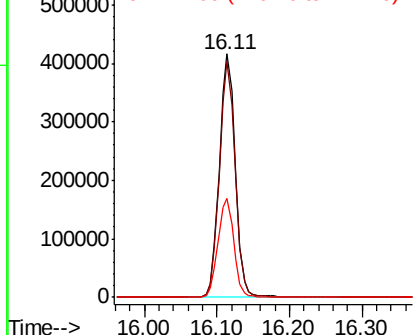
#42
 2,4,6-Tribromophenol
 Concen: 176.815 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG043824.D
 Acq: 17 Dec 2019 18:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 637237
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.9 115.3
 141 40.5 33.8 50.8

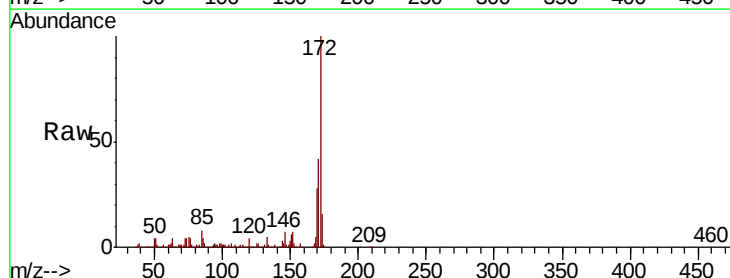


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

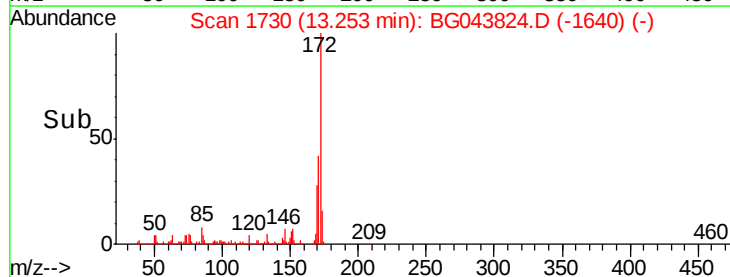
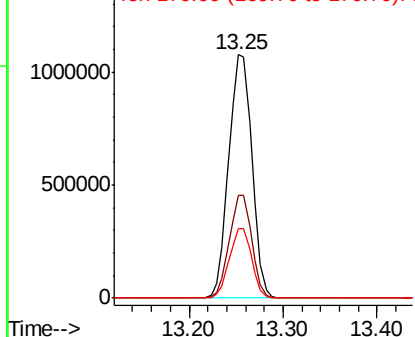


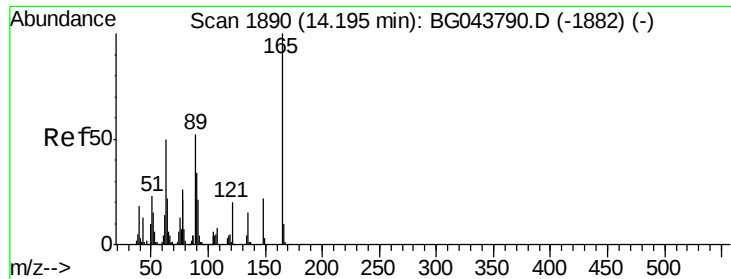
#45
 2-Fluorobiphenyl
 Concen: 85.804 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG043824.D
 Acq: 17 Dec 2019 18:01

Tgt Ion:172 Resp: 1846580
 Ion Ratio Lower Upper
 172 100
 171 42.3 34.6 51.8
 170 28.5 23.3 34.9



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: 8.754 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.43 min

Lab File: BG043824.D

Acq: 17 Dec 2019 18:01

Instrument :

BNA_G

ClientSampleId :

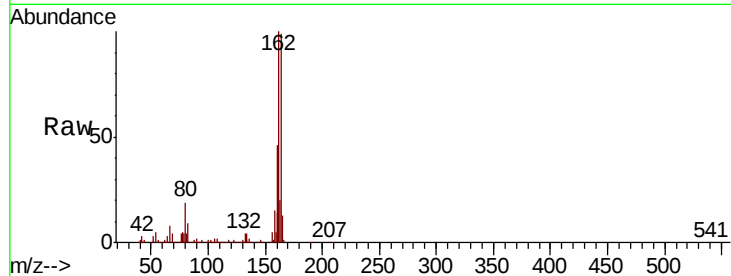
Tot Ion:165 Resp: 50904

Ion Ratio Lower Upper

165 100

63 1.3 40.3 60.5#

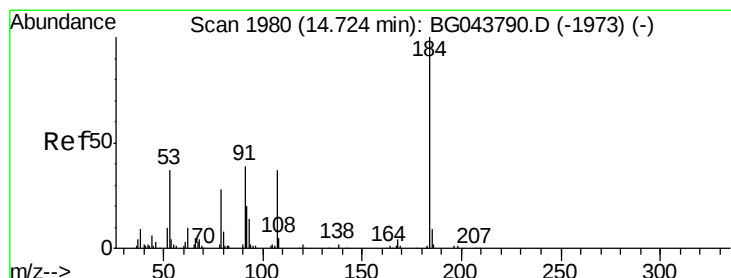
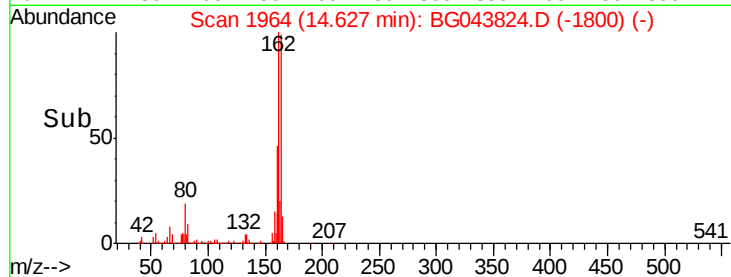
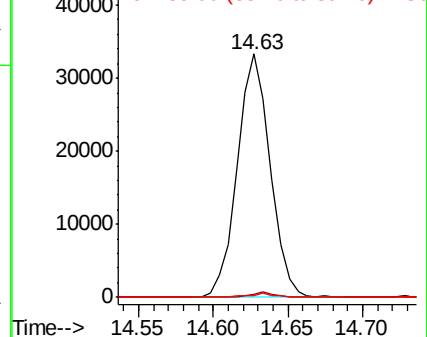
89 0.9 41.8 62.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#54

2,4-Dinitrophenol

Concen: 3.976 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.03 min

Lab File: BG043824.D

Acq: 17 Dec 2019 18:01

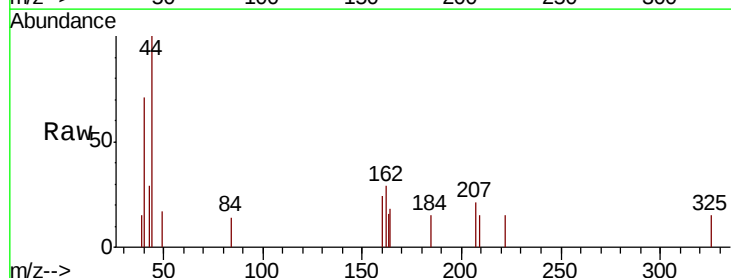
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 43.4 65.0#

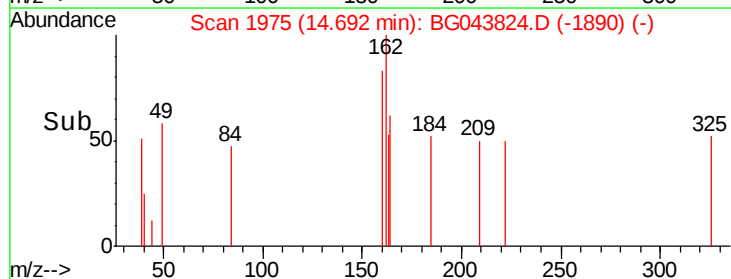
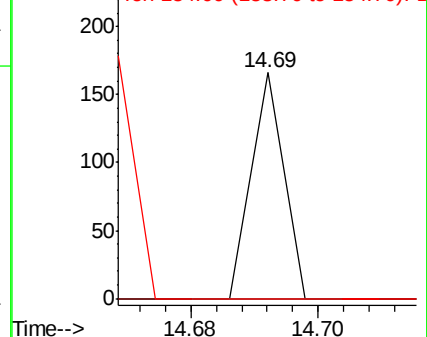
154 0.0 54.8 82.2#

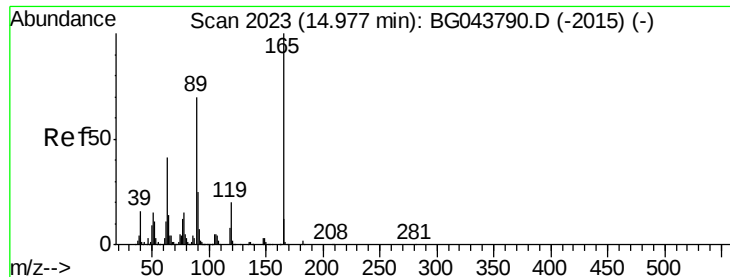


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

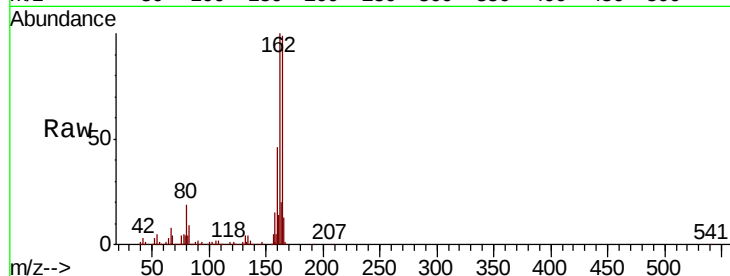




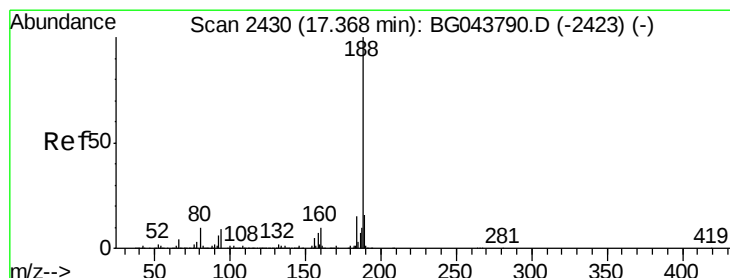
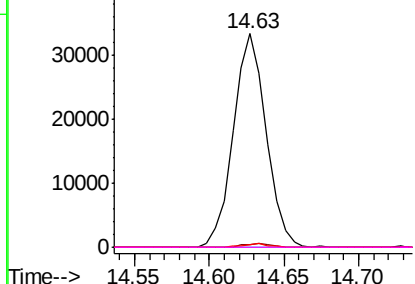
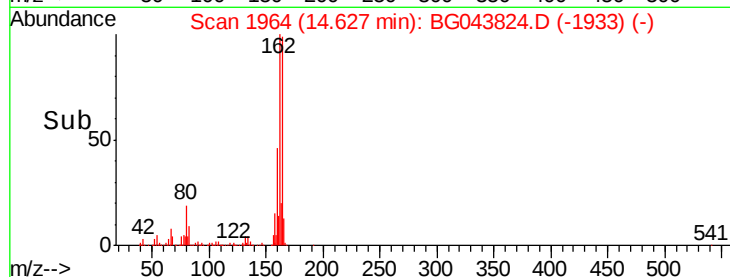
#57
 2,4-Dinitrotoluene
 Concen: 6.479 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.35 min
 Lab File: BG043824.D
 Acq: 17 Dec 2019 18:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 50904
 Ion Ratio Lower Upper
 165 100
 63 1.3 32.7 49.1#
 89 0.9 56.1 84.1#
 182 0.0 2.0 3.0#

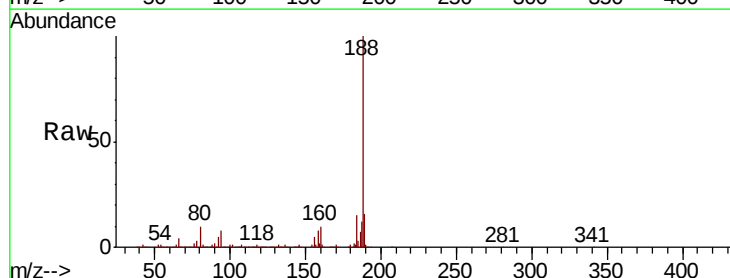


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

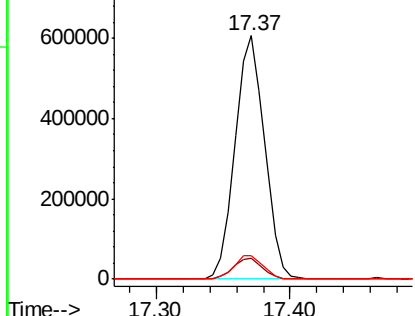
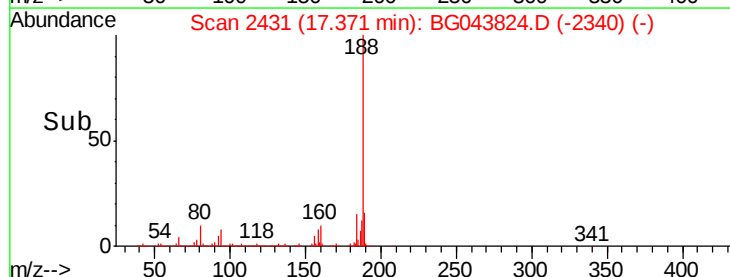


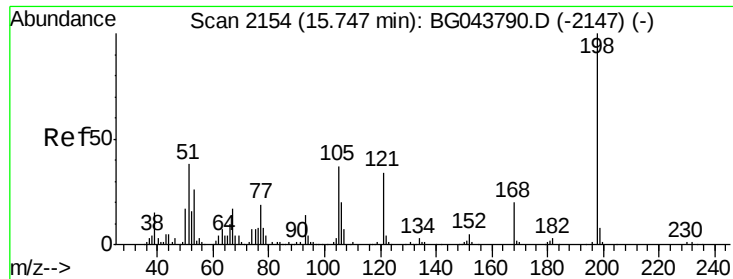
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG043824.D
 Acq: 17 Dec 2019 18:01

Tgt Ion:188 Resp: 931116
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.9 10.3
 80 9.7 7.8 11.8



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

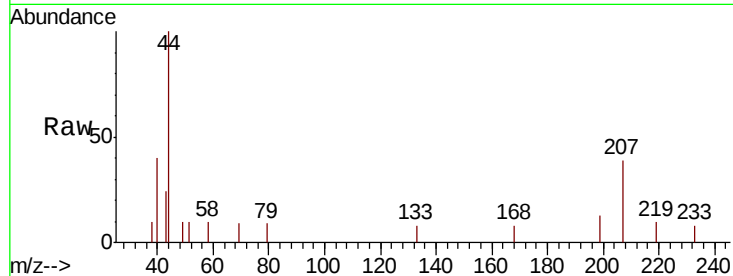




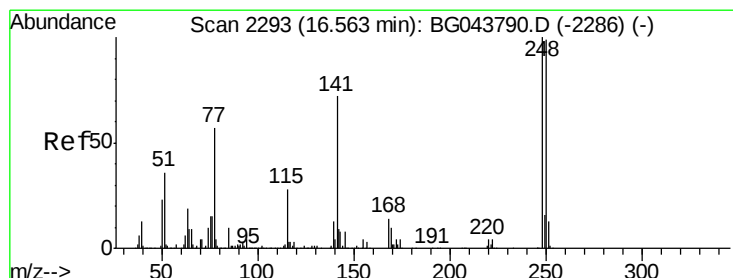
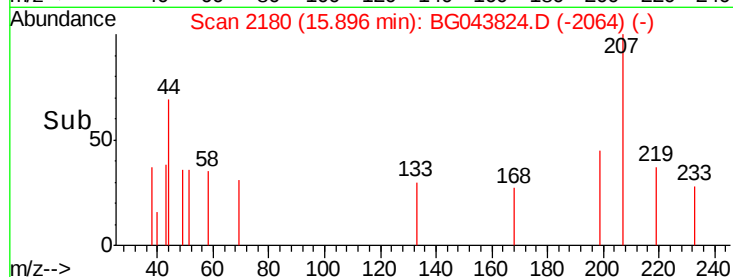
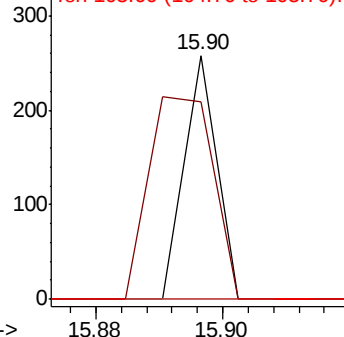
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.521 ng
 RT: 15.90 min Scan# 2180
 Delta R.T. 0.15 min
 Lab File: BG043824.D
 Acq: 17 Dec 2019 18:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 91
 Ion Ratio Lower Upper
 198 100
 51 81.0 18.9 58.9#
 105 0.0 18.1 58.1#

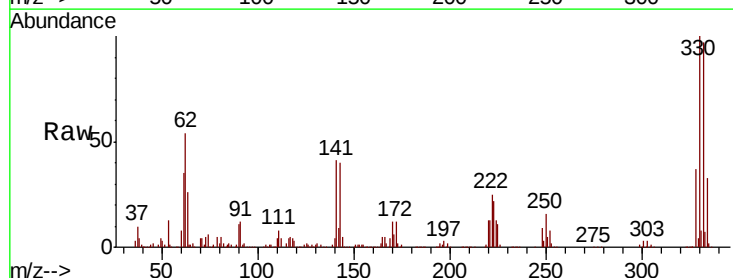


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

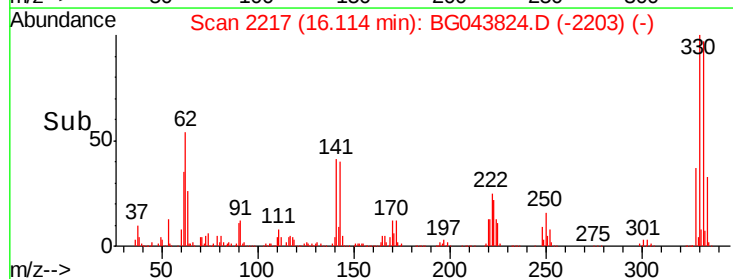
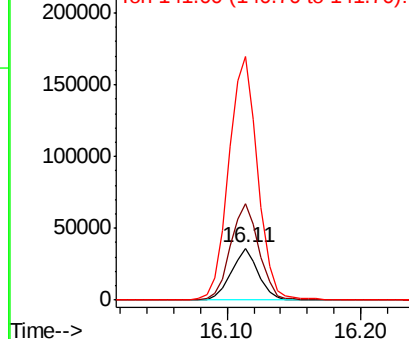


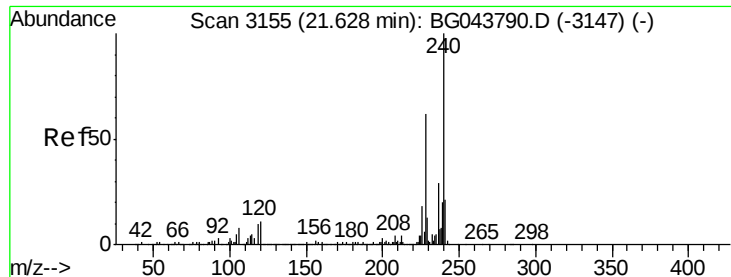
#67
 4-Bromophenyl-phenylether
 Concen: 5.116 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.45 min
 Lab File: BG043824.D
 Acq: 17 Dec 2019 18:01

Tgt Ion:248 Resp: 50932
 Ion Ratio Lower Upper
 248 100
 250 185.6 79.0 118.6#
 141 467.6 57.8 86.6#



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

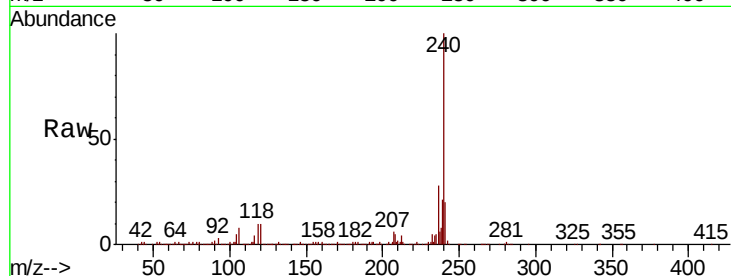




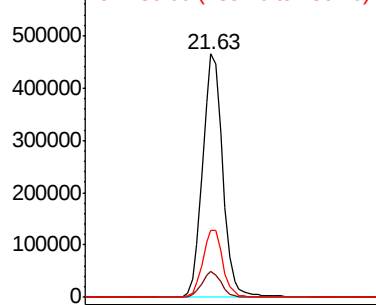
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG043824.D
Acq: 17 Dec 2019 18:01

Instrument :
BNA_G
ClientSampleId :

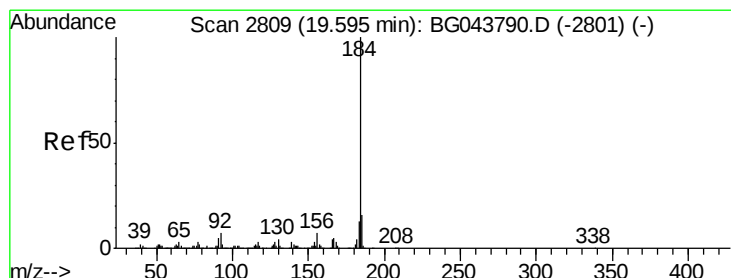
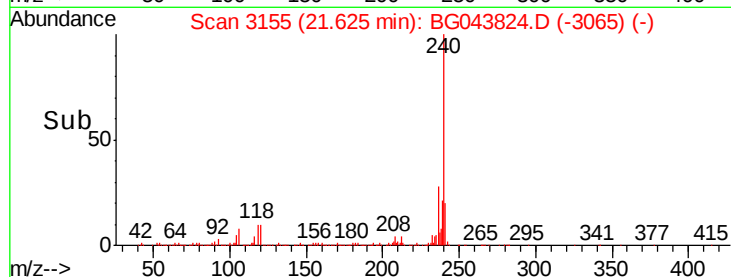
Tot Ion:240 Resp: 819068
Ion Ratio Lower Upper
240 100
120 10.5 8.6 12.8
236 27.7 23.1 34.7



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

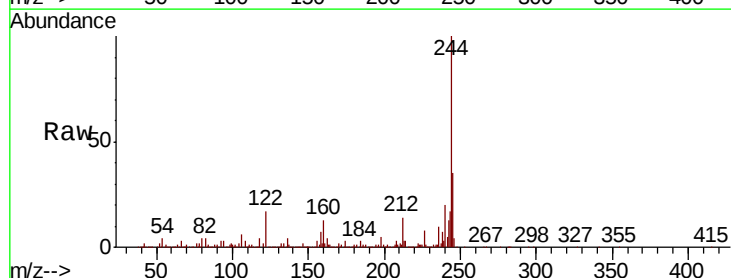


Time--> 21.50 21.60 21.70 21.80

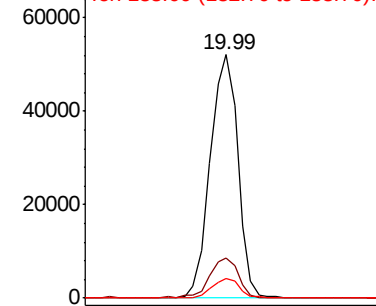


#77
Benzidine
Concen: 3.986 ng
RT: 19.99 min Scan# 2876
Delta R.T. 0.39 min
Lab File: BG043824.D
Acq: 17 Dec 2019 18:01

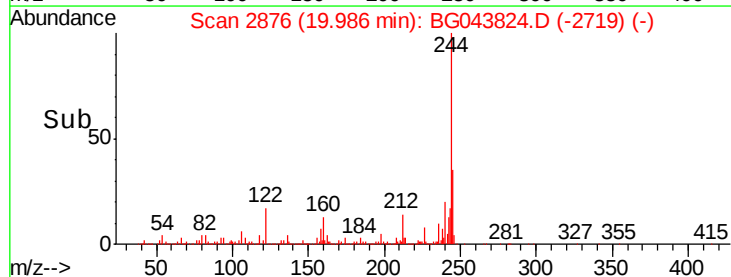
Tgt Ion:184 Resp: 71226
Ion Ratio Lower Upper
184 100
185 16.5 12.9 19.3
183 8.0 10.3 15.5#

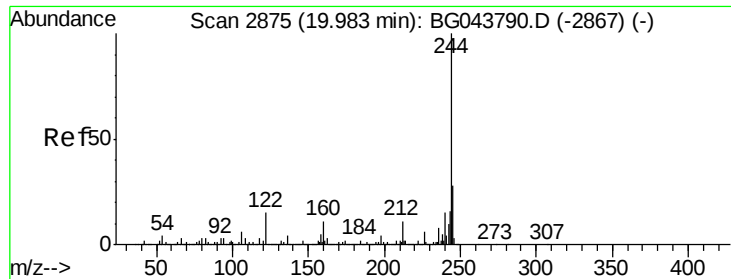


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time--> 19.90 19.95 20.00 20.05





#79

Terphenyl-d14

Concen: 91.252 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043824.D

Acq: 17 Dec 2019 18:01

Instrument :

BNA_G

ClientSampleId :

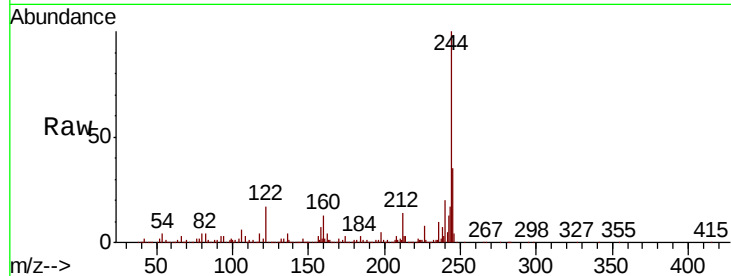
Tot Ion:244 Resp: 3106751

Ion Ratio Lower Upper

244 100

212 14.1 9.1 13.7#

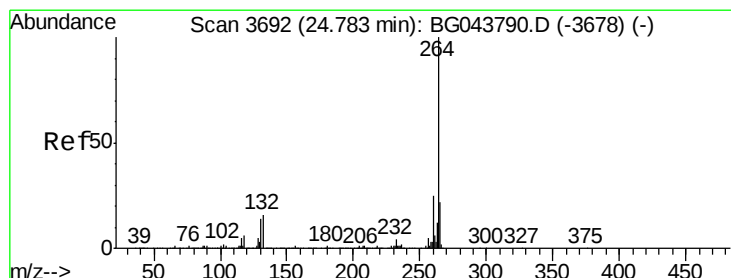
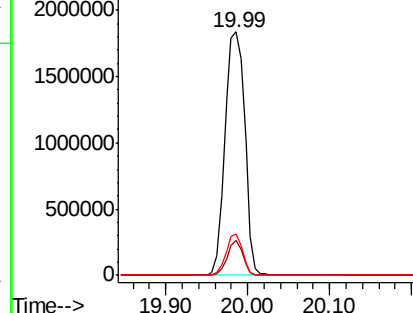
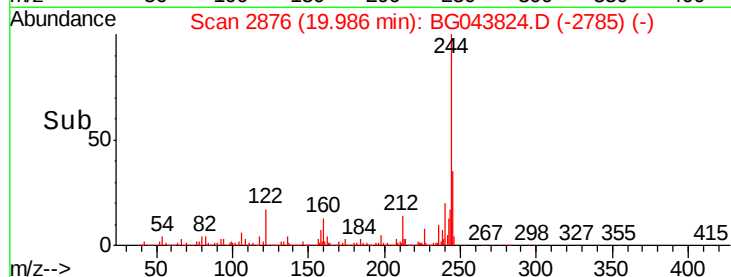
122 16.9 11.6 17.4



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: 24.79 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BG043824.D

Acq: 17 Dec 2019 18:01

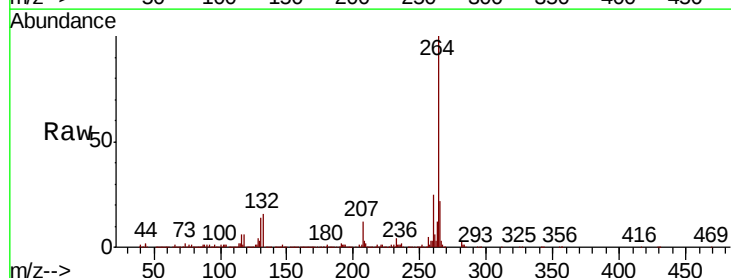
Tgt Ion:264 Resp: 846218

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

265 21.9 17.9 26.9



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

