

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
 Data File : BG043826.D
 Acq On : 17 Dec 2019 19:20
 Operator : JU
 Sample : K6294-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 01:04:31 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	105895	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	481730	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	366168	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	879561	20.00	ng	0.00
76) Chrysene-d12	21.63	240	757763	20.00	ng	0.00
87) Perylene-d12	24.79	264	822564	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	819995	146.72	ng	0.00
7) Phenol-d6	7.17	99	1226467	152.16	ng	0.00
23) Nitrobenzene-d5	9.16	82	713831	83.20	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	525537	150.55	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1716848	82.36	ng	0.00
79) Terphenyl-d14	19.99	244	2639651	83.80	ng	0.00

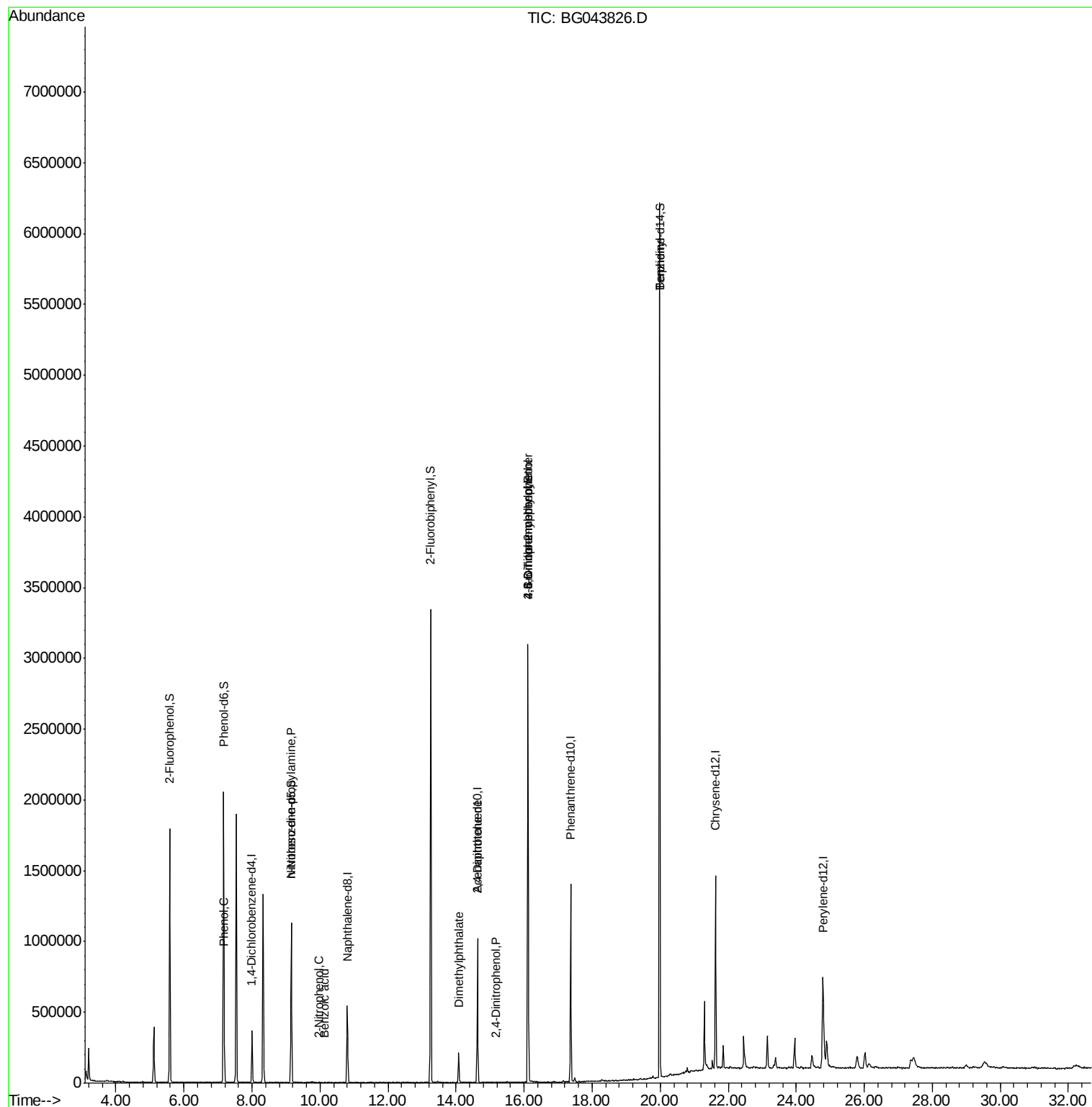
Target Compounds				Qvalue		
9) Benzaldehyde	7.17	77	2361	Below Cal	#	1
10) Phenol	7.19	94	30686	3.688	ng	84
19) n-Nitroso-di-n-propylamine	9.15	70	92259	14.972	ng	80
26) 2-Nitrophenol	9.96	139	61	8.363	ng	34
32) Benzoic acid	10.13	122	54	5.660	ng	1
50) Dimethylphthalate	14.08	163	148279	5.674	ng	99
54) 2,4-Dinitrophenol	15.16	184	54	3.974	ng	19
57) 2,4-Dinitrotoluene	14.63	165	48762	6.407	ng	25
65) 4,6-Dinitro-2-methylphenol	16.11	198	2206	10.022	ng	1
67) 4-Bromophenyl-phenylether	16.11	248	42049	4.472	ng	1
77) Benzidine	19.99	184	55418	3.352	ng	90

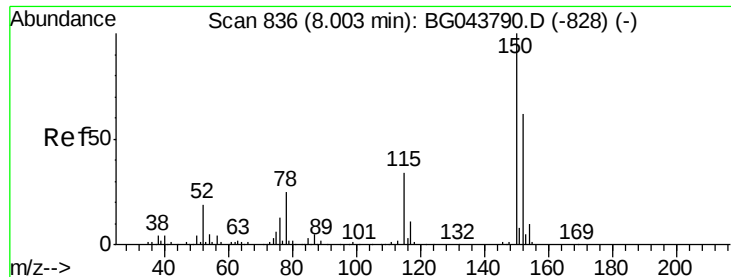
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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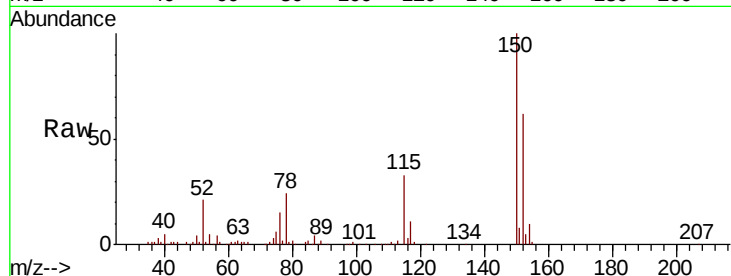


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043826.D
Acq: 17 Dec 2019 19:20

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	128.6	192.8
115	52.5	44.3	66.5

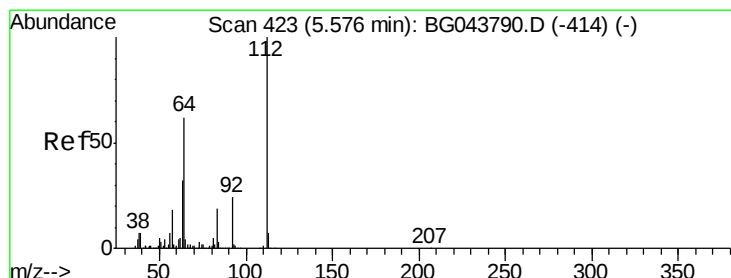
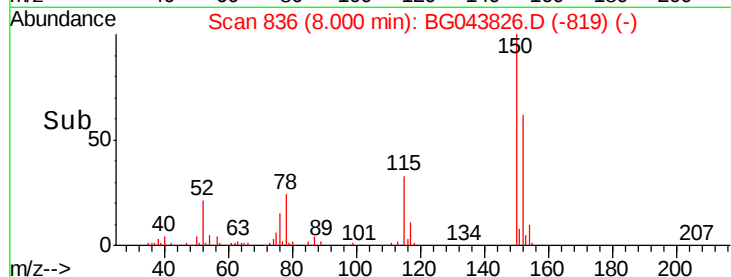
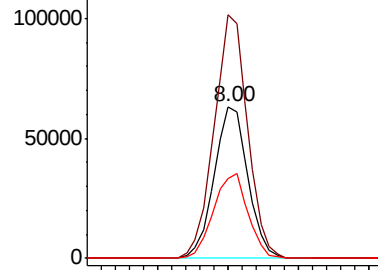


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

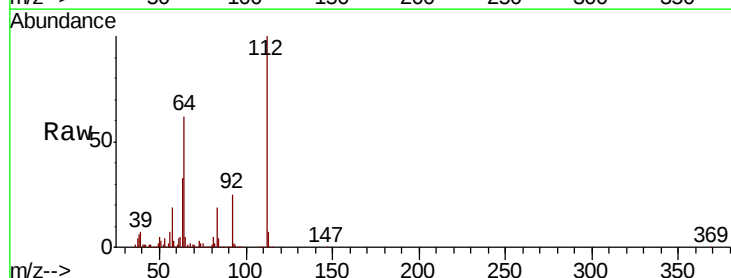
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 146.717 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG043826.D
Acq: 17 Dec 2019 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	49.9	74.9
63	32.7	26.0	39.0

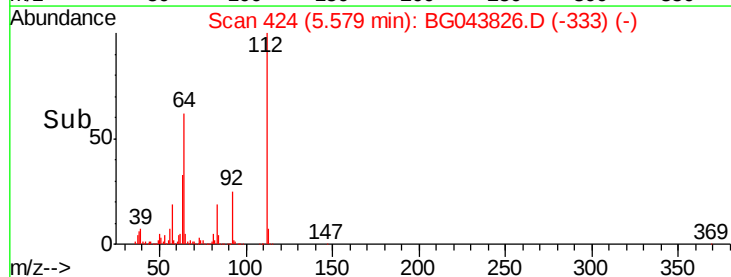
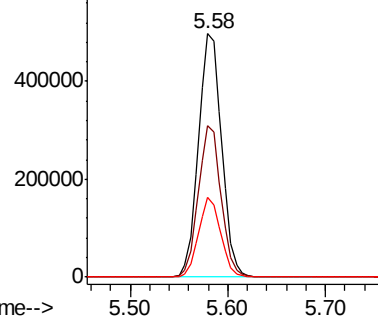


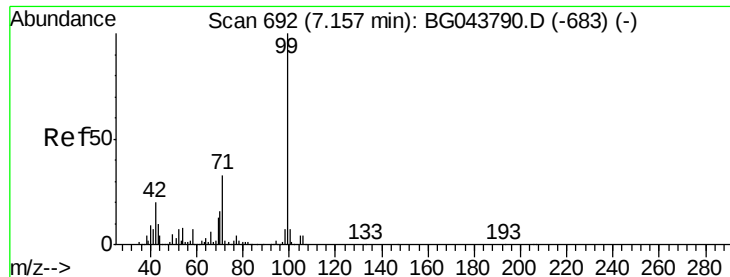
Abundance

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: 152.162 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

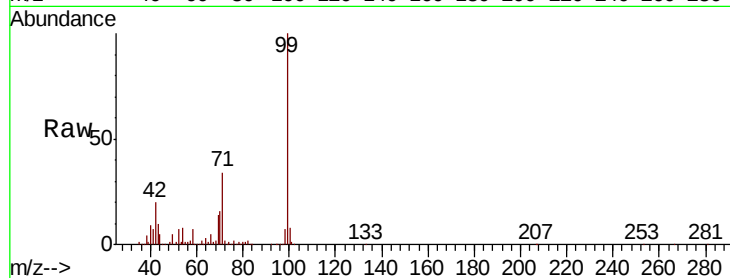
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1226467

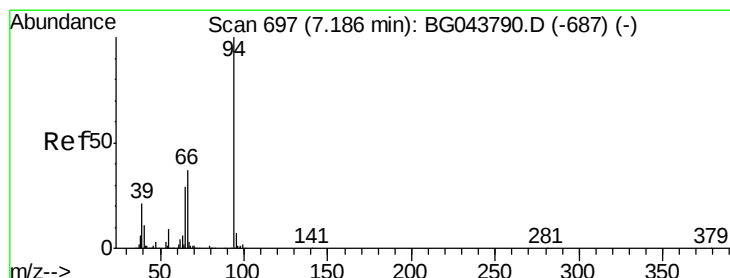
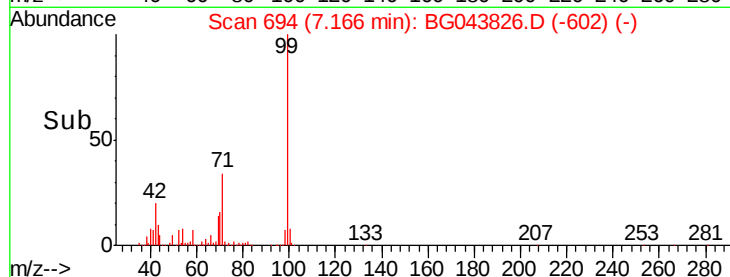
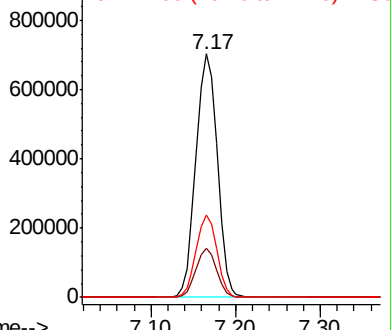
Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.2	24.2
71	33.9	26.6	40.0



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



#10

Phenol

Concen: 3.688 ng

RT: 7.19 min Scan# 698

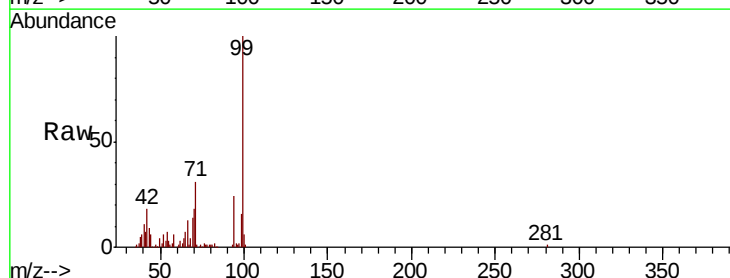
Delta R.T. 0.00 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

Tgt Ion: 94 Resp: 30686

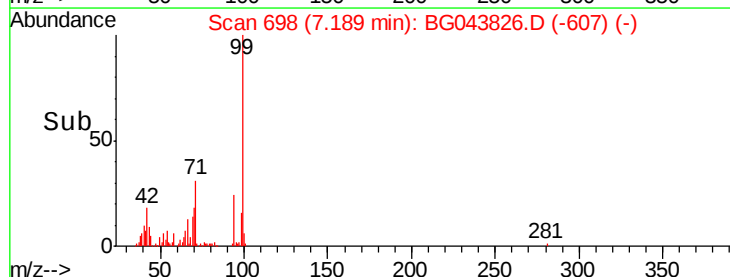
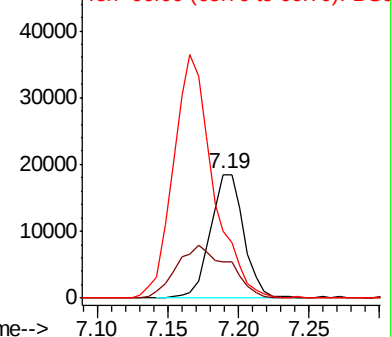
Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.5	49.5
66	53.8	16.8	56.8

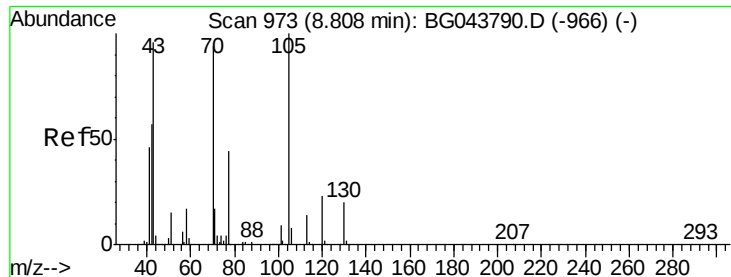


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.972 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 92259

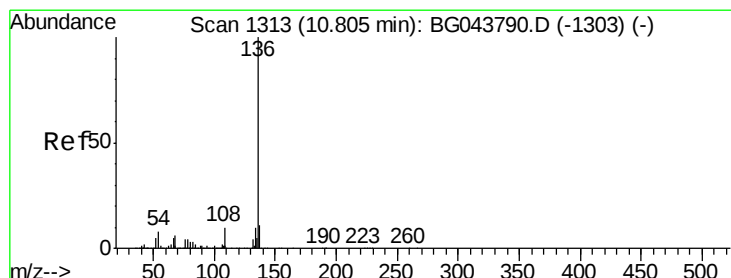
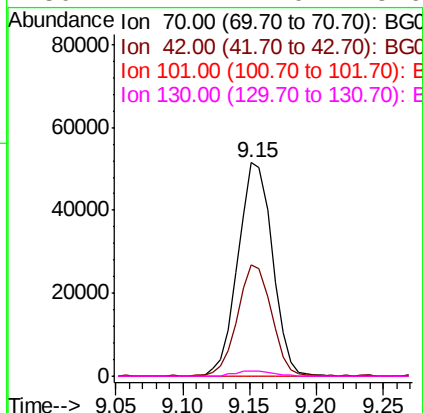
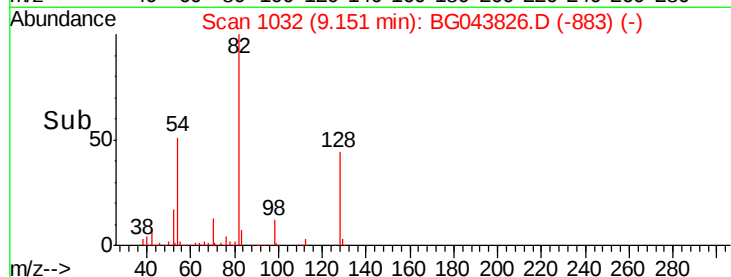
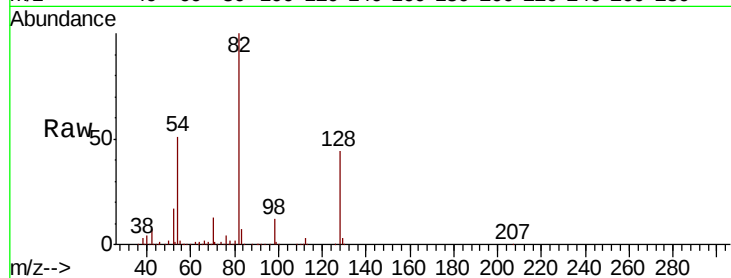
Ion Ratio Lower Upper

70 100

42 52.1 49.2 73.8

101 0.0 7.8 11.6#

130 2.2 17.0 25.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

Tgt Ion: 136 Resp: 481730

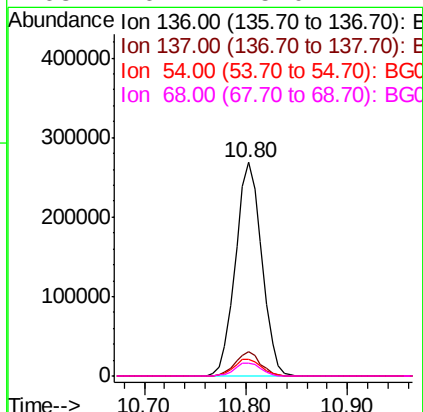
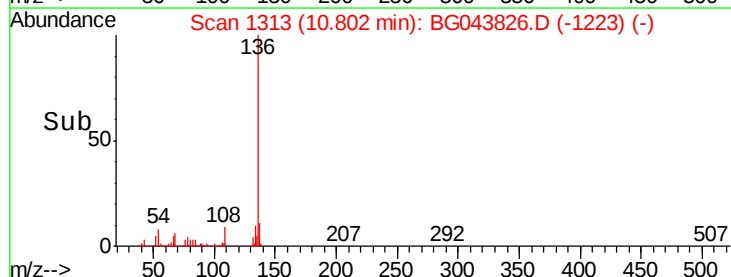
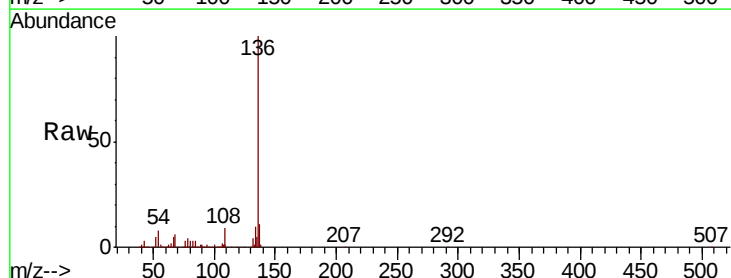
Ion Ratio Lower Upper

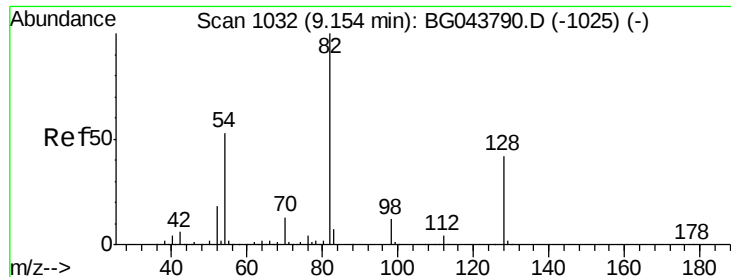
136 100

137 11.3 8.7 13.1

54 7.7 6.8 10.2

68 6.2 5.0 7.4

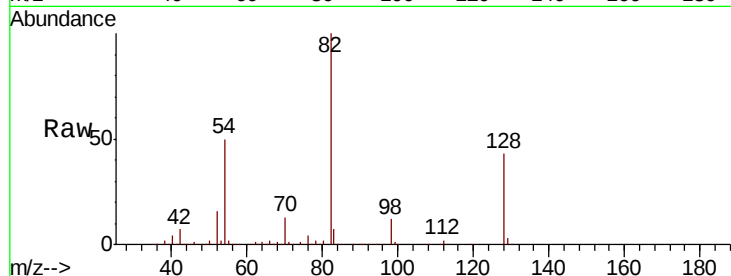




#23
Nitrobenzene-d5
Concen: 83.199 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BG043826.D
Acq: 17 Dec 2019 19:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	713831
Ion Ratio	100	Lower	Upper
128	42.9	33.6	50.4
54	49.9	42.1	63.1

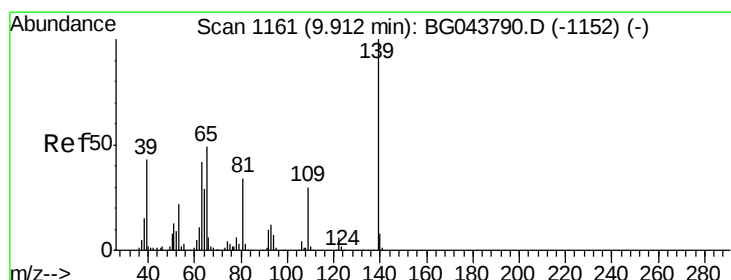
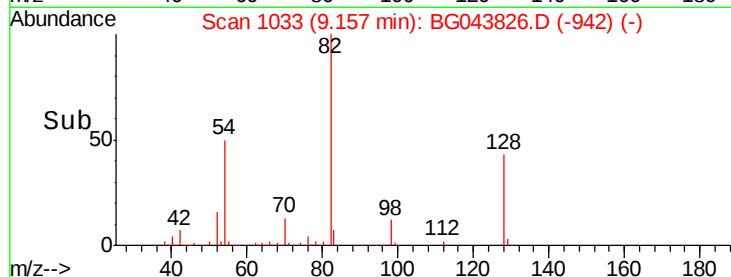
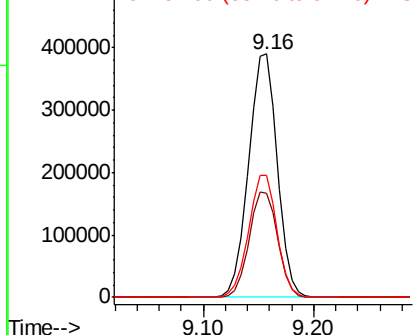


Abundance

Ion 82.00 (81.70 to 82.70): BGC

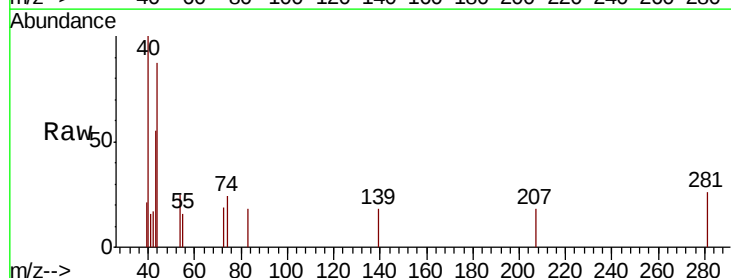
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#26
2-Nitrophenol
Concen: 8.363 ng
RT: 9.96 min Scan# 1170
Delta R.T. 0.05 min
Lab File: BG043826.D
Acq: 17 Dec 2019 19:20

Tgt Ion	139	Resp	61
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
109	0.0	23.9	35.9#
65	0.0	39.3	58.9#

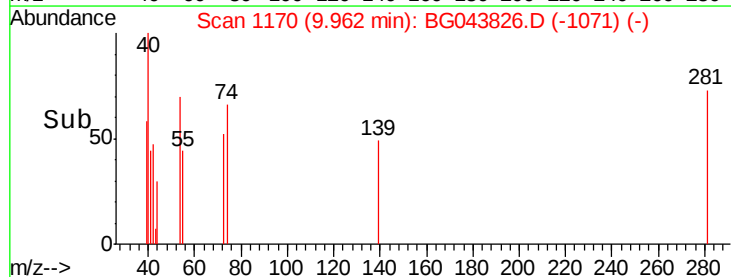
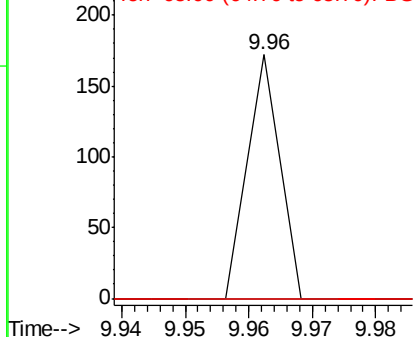


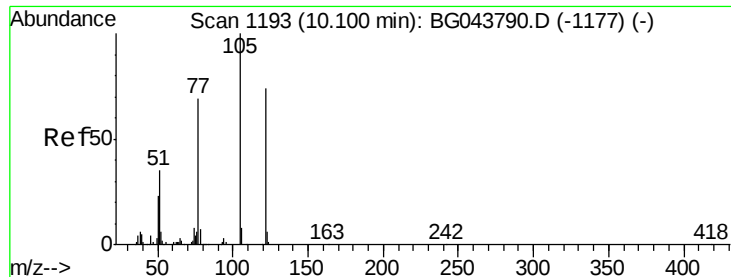
Abundance

Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

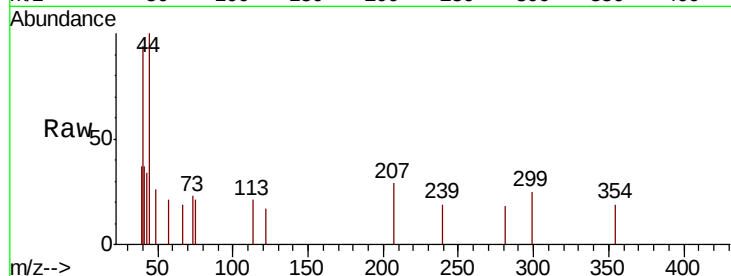




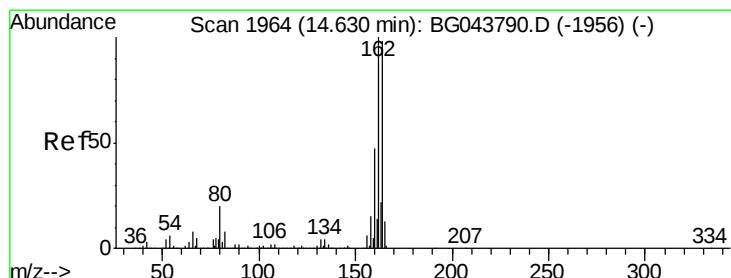
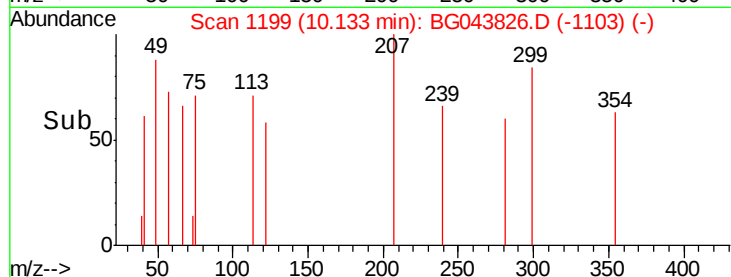
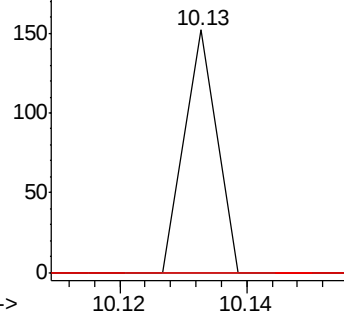
#32
Benzoic acid
Concen: 5.660 ng
RT: 10.13 min Scan# 1199
Delta R.T. 0.03 min
Lab File: BG043826.D
Acq: 17 Dec 2019 19:20

Instrument :
BNA_G
ClientSampleId :

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

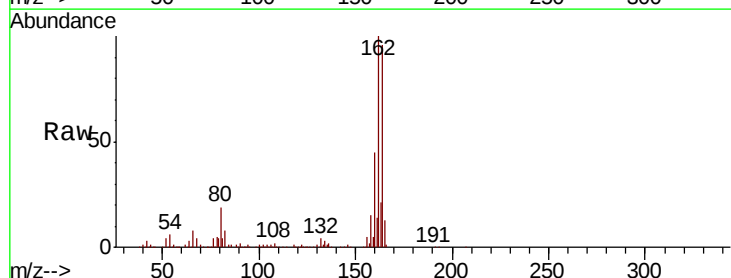


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

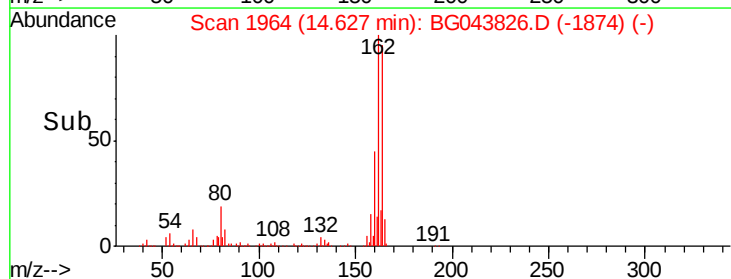
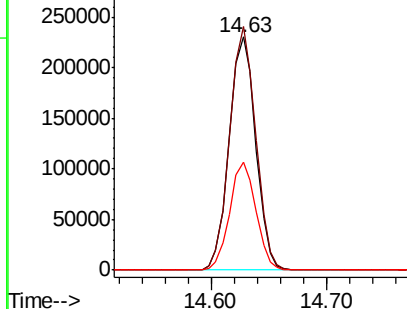


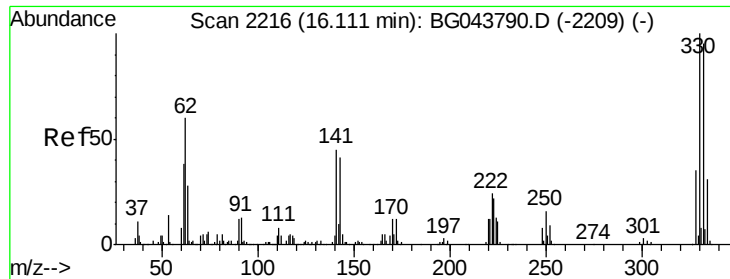
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043826.D
Acq: 17 Dec 2019 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.9	122.9
160	46.5	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

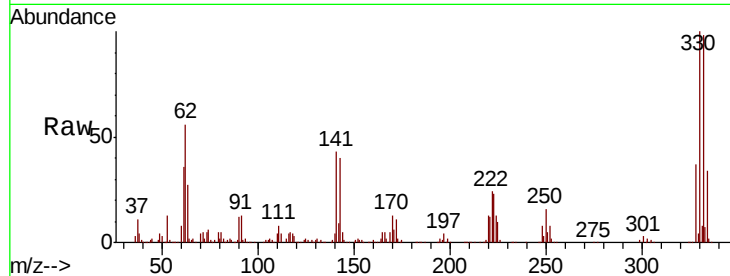




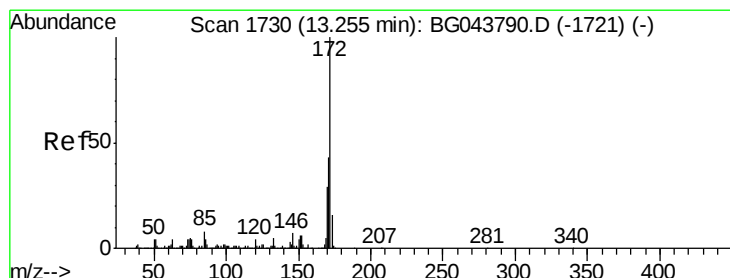
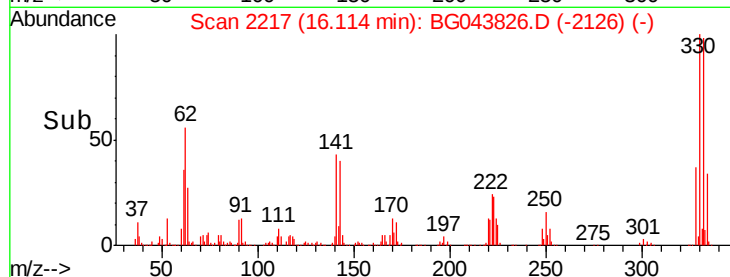
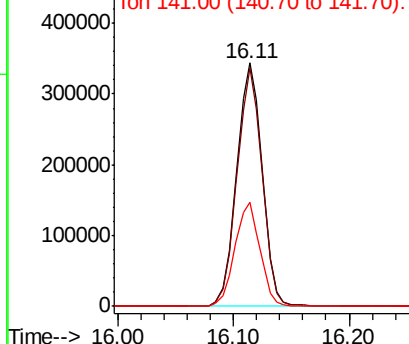
#42
 2,4,6-Tribromophenol
 Concen: 150.546 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG043826.D
 Acq: 17 Dec 2019 19:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	42.0	33.8	50.8

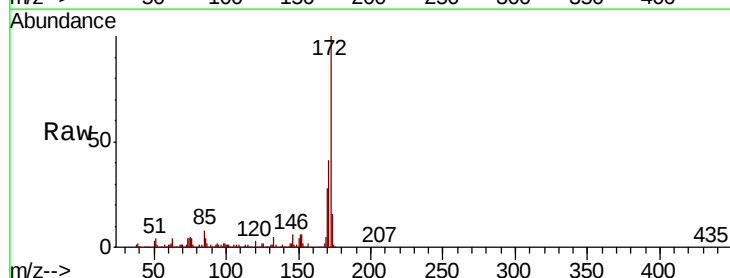


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

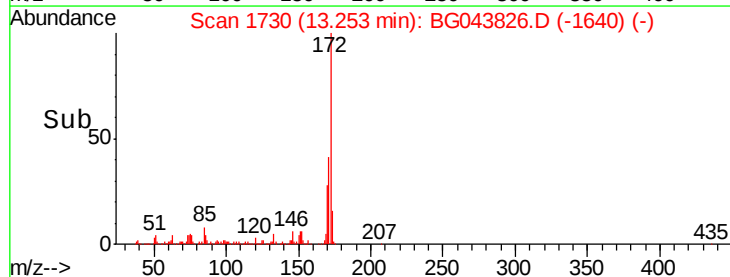
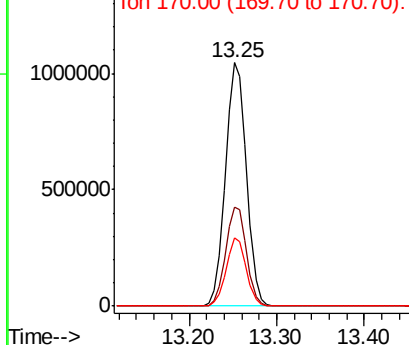


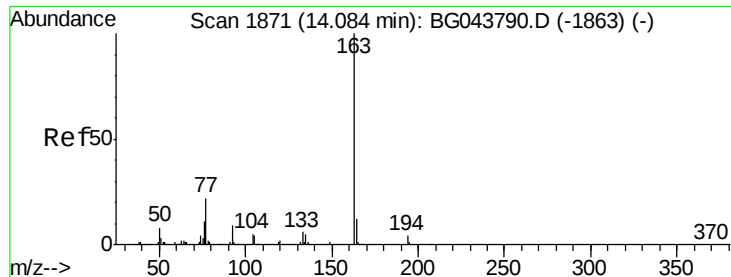
#45
 2-Fluorobiphenyl
 Concen: 82.360 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG043826.D
 Acq: 17 Dec 2019 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.8	34.6	51.8
170	28.2	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





#50

Dimethylphthalate

Concen: 5.674 ng

RT: 14.08 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

Instrument :

BNA_G

ClientSampleId :

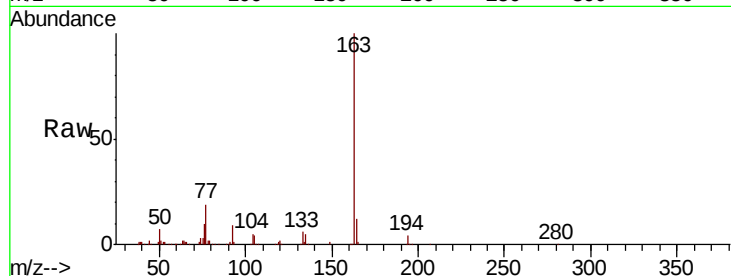
Tot Ion:163 Resp: 148279

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

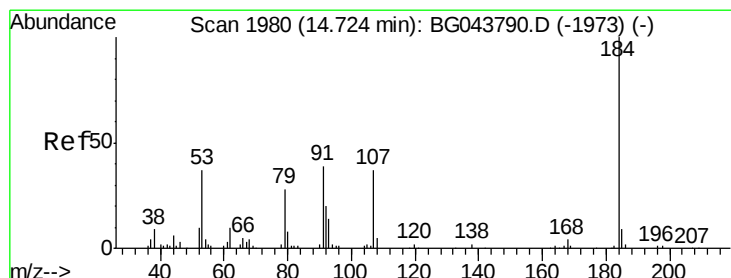
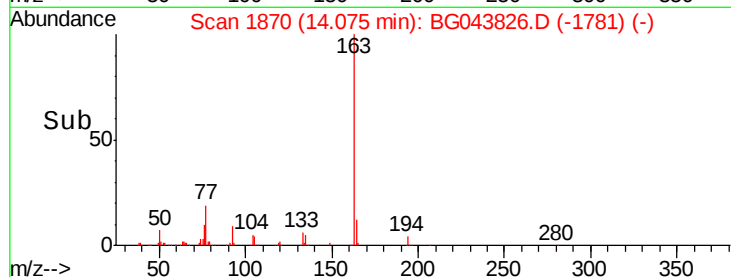
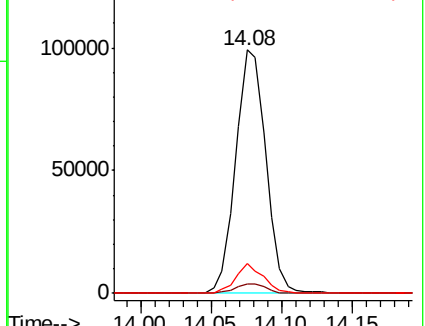
164 12.2 9.4 14.0



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



#54

2,4-Dinitrophenol

Concen: 3.974 ng

RT: 15.16 min Scan# 2054

Delta R.T. 0.43 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

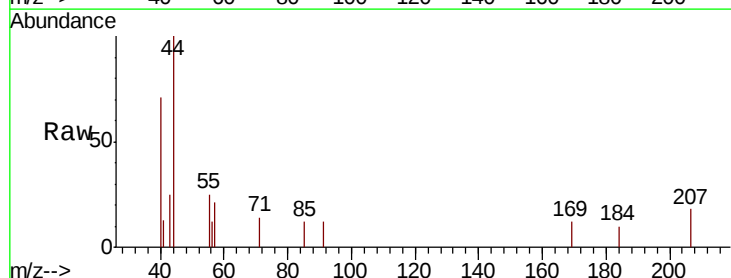
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 43.4 65.0#

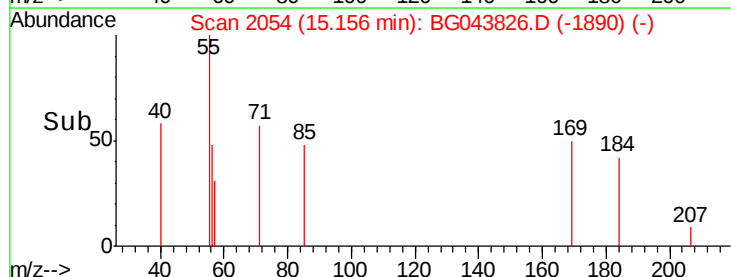
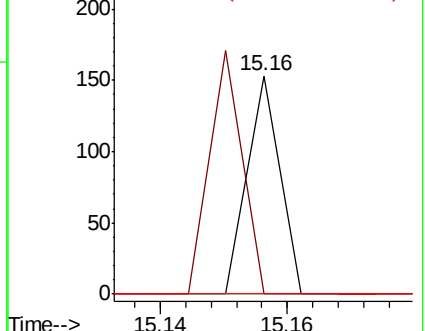
154 0.0 54.8 82.2#

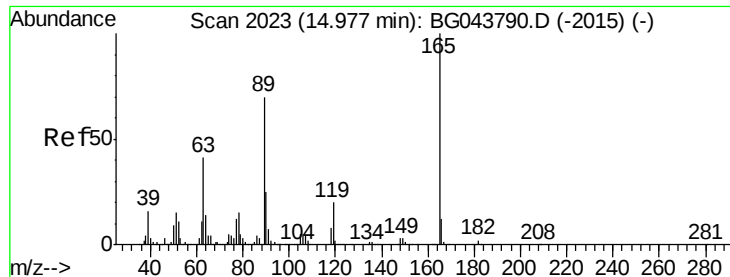


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

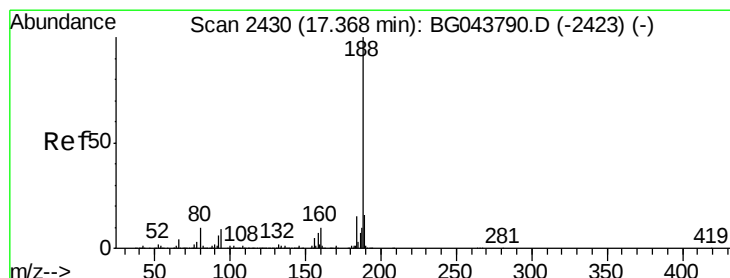
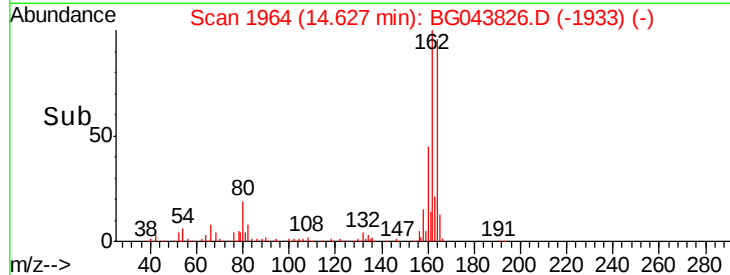
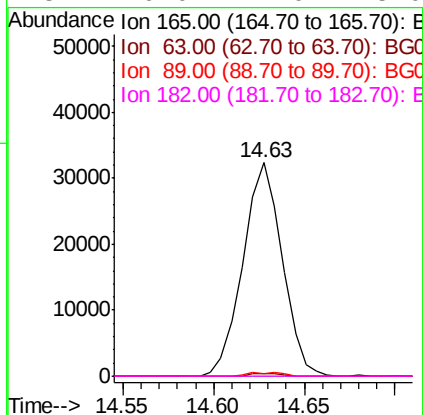
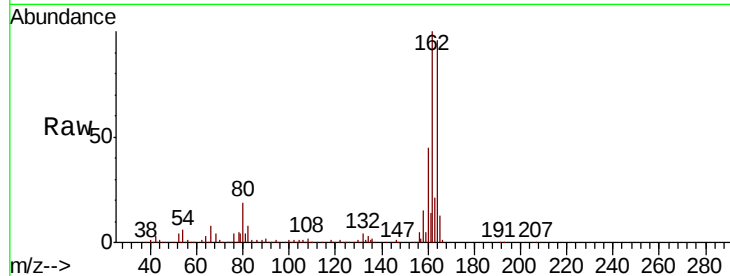




#57
 2,4-Dinitrotoluene
 Concen: 6.407 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.35 min
 Lab File: BG043826.D
 Acq: 17 Dec 2019 19:20

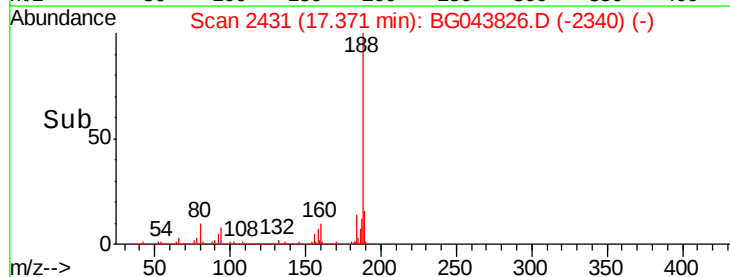
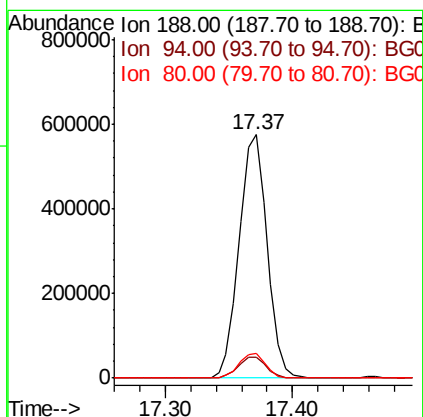
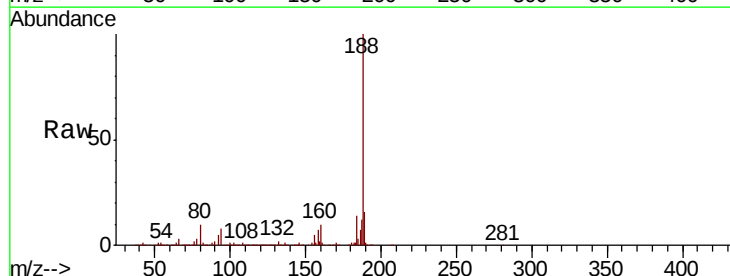
Instrument :
 BNA_G
 ClientSampleId :

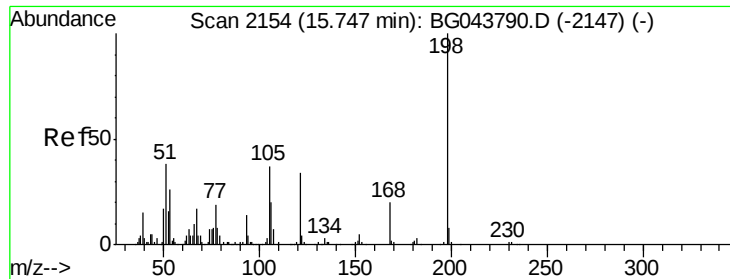
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.7	49.1#
89	1.4	56.1	84.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG043826.D
 Acq: 17 Dec 2019 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.9	7.8	11.8

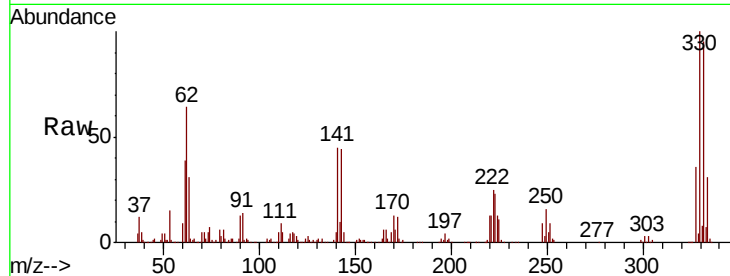




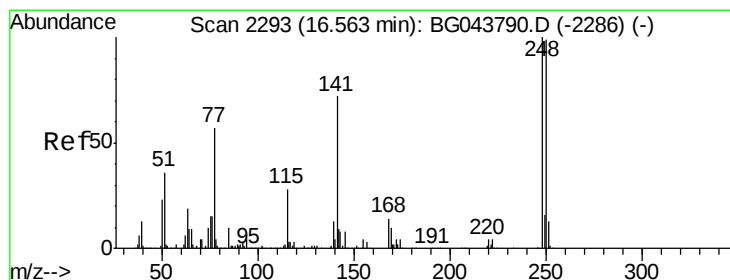
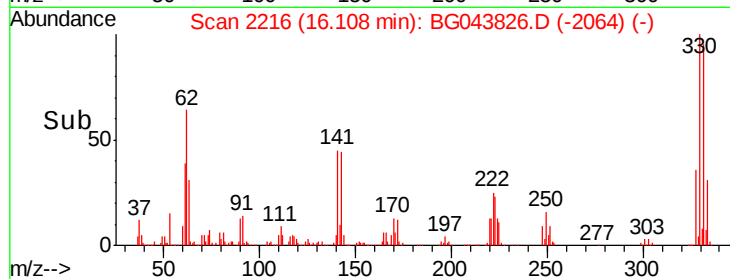
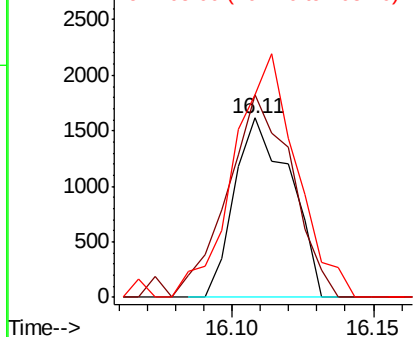
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.022 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. 0.36 min
 Lab File: BG043826.D
 Acq: 17 Dec 2019 19:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 2206
 Ion Ratio Lower Upper
 198 100
 51 112.9 18.9 58.9#
 105 113.4 18.1 58.1#

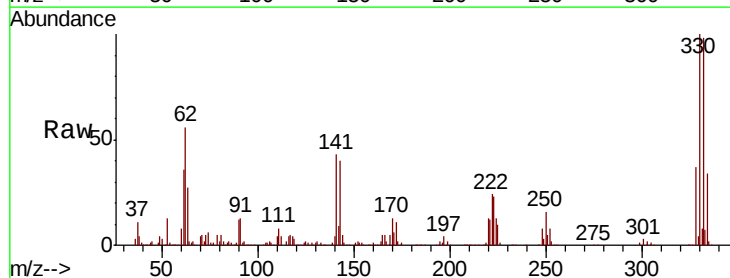


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

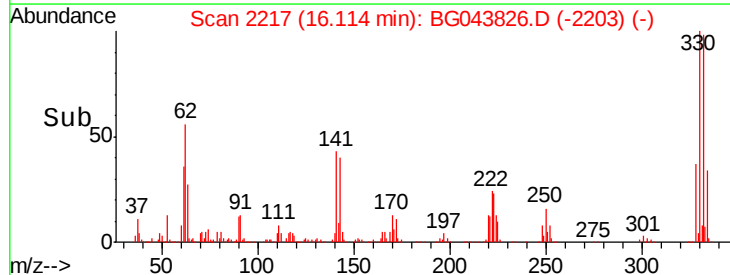
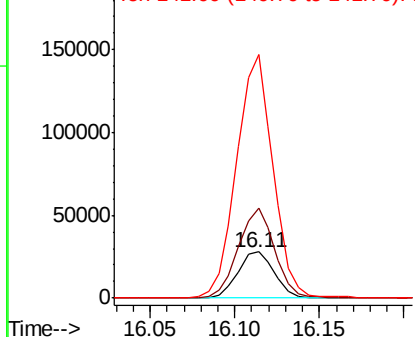


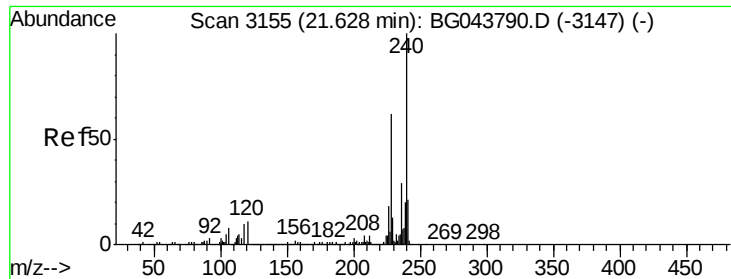
#67
 4-Bromophenyl-phenylether
 Concen: 4.472 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.45 min
 Lab File: BG043826.D
 Acq: 17 Dec 2019 19:20

Tgt Ion:248 Resp: 42049
 Ion Ratio Lower Upper
 248 100
 250 194.6 79.0 118.6#
 141 526.6 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: BG043826.D

Acq: 17 Dec 2019 19:20

Instrument :

BNA_G

ClientSampleId :

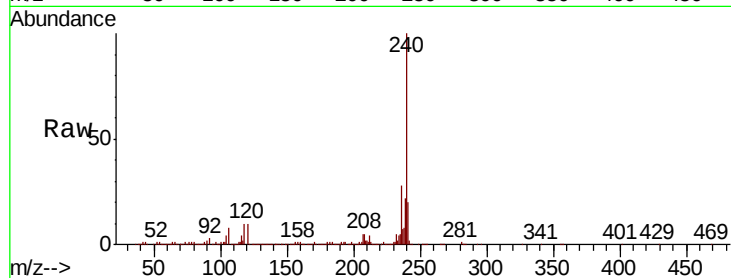
Tot Ion:240 Resp: 757763

Ion Ratio Lower Upper

240 100

120 10.3 8.6 12.8

236 28.3 23.1 34.7

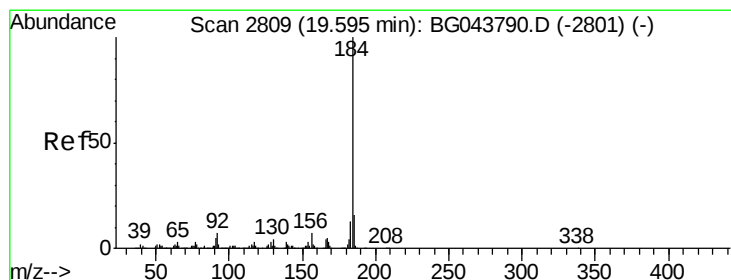
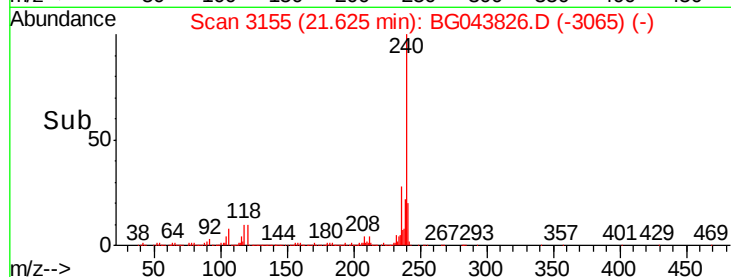
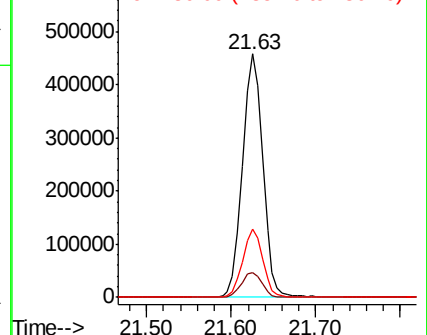


Abundance

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



#77

Benzidine

Concen: 3.352 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

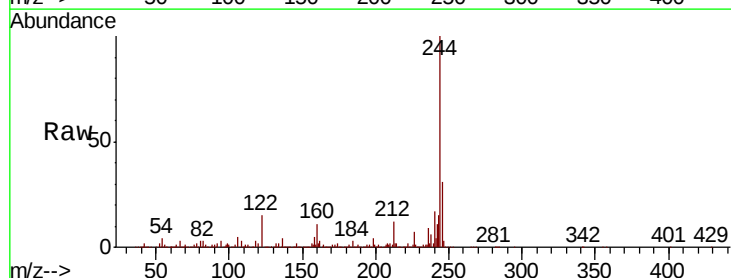
Tgt Ion:184 Resp: 55418

Ion Ratio Lower Upper

184 100

185 18.6 12.9 19.3

183 7.0 10.3 15.5#

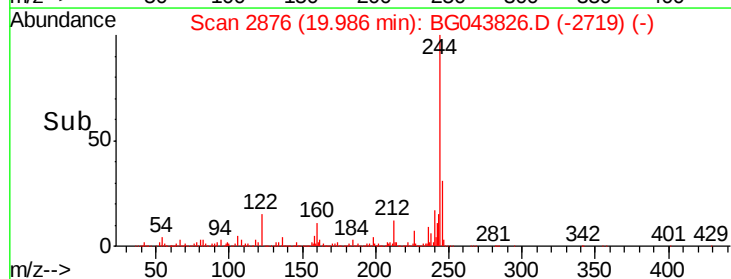
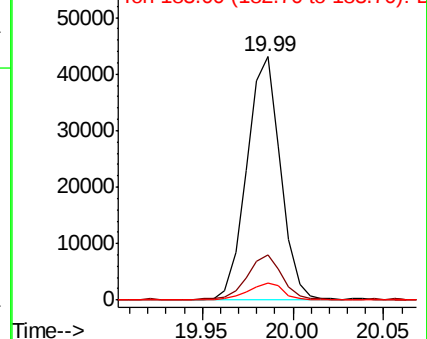


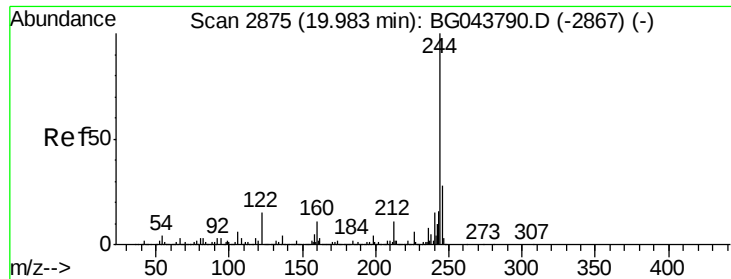
Abundance

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





#79

Terphenyl-d14

Concen: 83.805 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043826.D

Acq: 17 Dec 2019 19:20

Instrument :

BNA_G

ClientSampled :

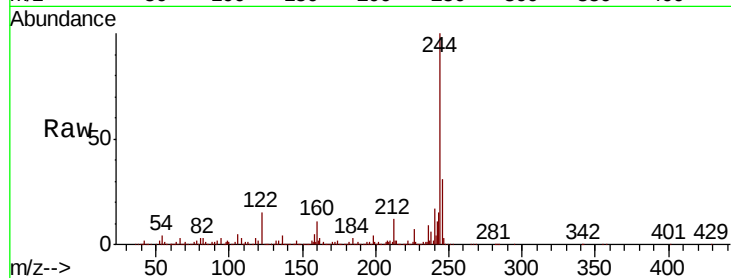
Tot Ion:244 Resp: 2639651

Ion Ratio Lower Upper

244 100

212 12.2 9.1 13.7

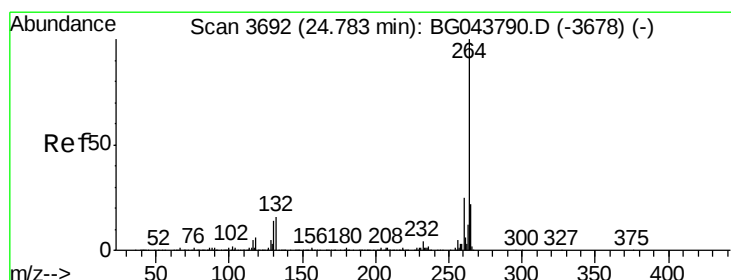
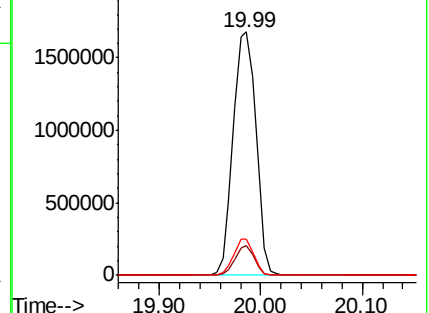
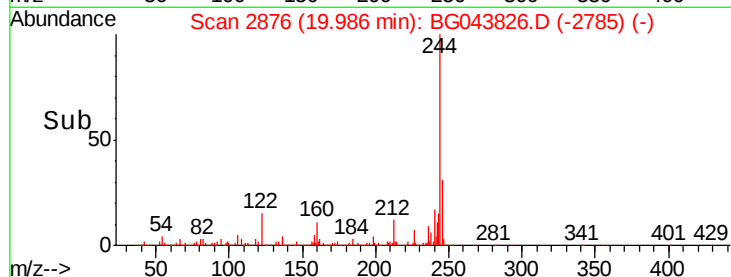
122 15.1 11.6 17.4



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: BG043826.D

Acq: 17 Dec 2019 19:20

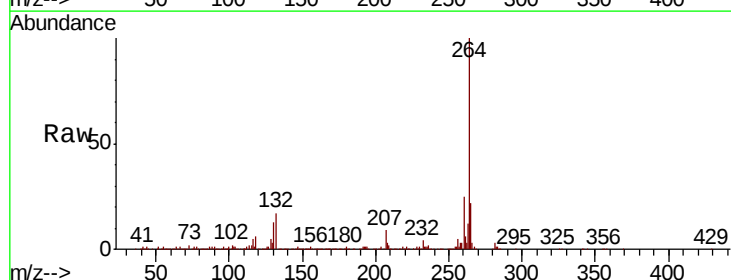
Tgt Ion:264 Resp: 822564

Ion Ratio Lower Upper

264 100

260 25.2 19.8 29.8

265 22.4 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

