

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043235.D
 Acq On : 16 Oct 2019 3:39
 Operator : JU
 Sample : PB123985TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 08:14:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

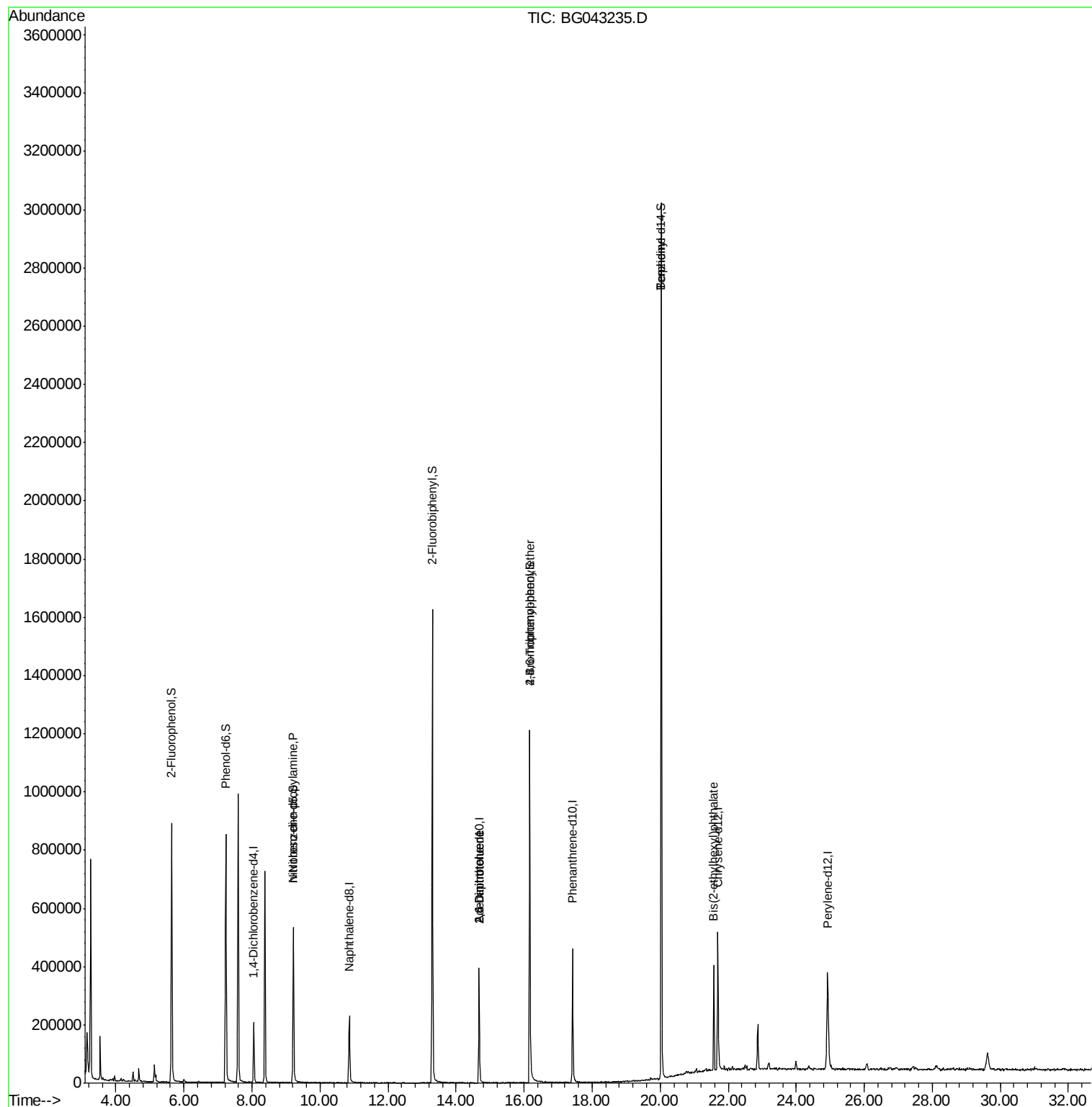
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	62334	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	221004	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	154088	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	322129	20.00	ng	0.00
76) Chrysene-d12	21.70	240	341255	20.00	ng	0.00
87) Perylene-d12	24.92	264	401712	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	402398	115.21	ng	0.00
7) Phenol-d6	7.23	99	539845	107.33	ng	0.00
23) Nitrobenzene-d5	9.22	82	364818	80.23	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	313412	118.28	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	950702	89.44	ng	0.00
79) Terphenyl-d14	20.03	244	1548847	96.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	51243	15.515	ng	# 73
51) 2,6-Dinitrotoluene	14.68	165	19822	8.062	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	19824	5.506	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	19837	4.906	ng	# 1
77) Benzidine	20.03	184	23279	2.724	ng	# 94
84) Bis(2-ethylhexyl)phthalate	21.58	149	153933	13.993	ng	98

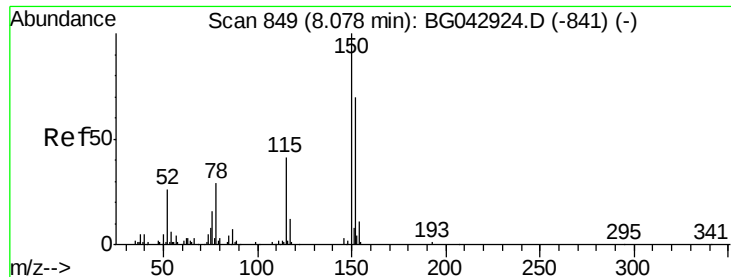
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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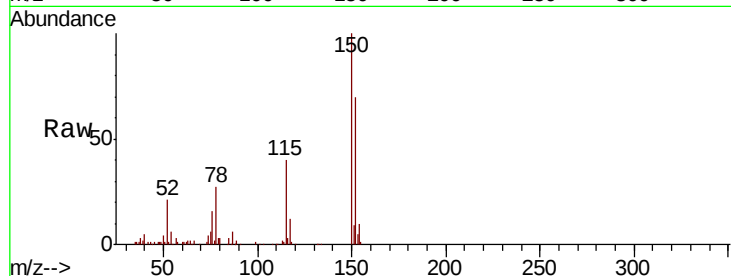


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043235.D
Acq: 16 Oct 2019 3:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.9	115.0	172.4
115	57.5	47.0	70.6

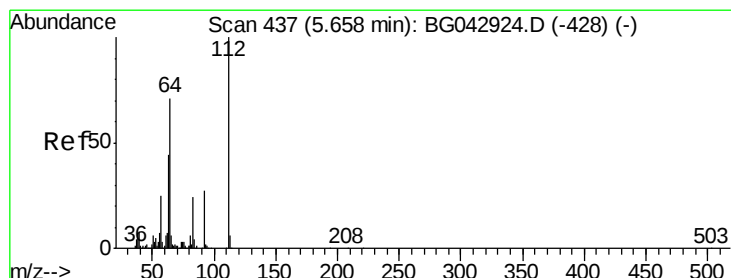
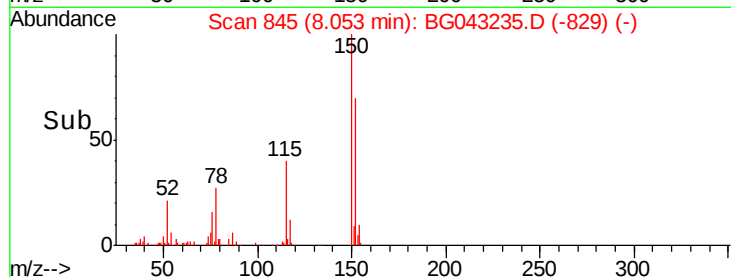
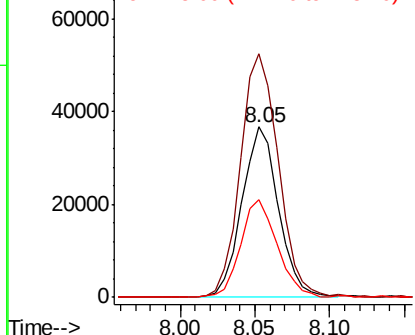


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

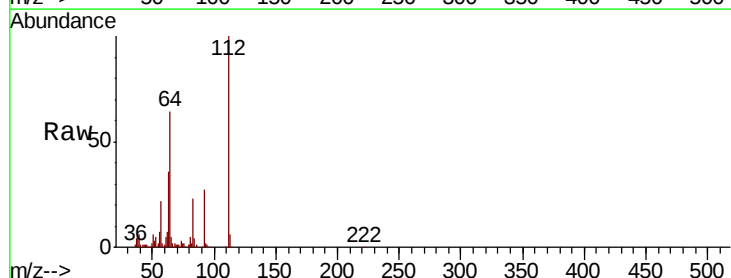
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.206 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.00 min
Lab File: BG043235.D
Acq: 16 Oct 2019 3:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	56.6	84.8
63	36.2	35.1	52.7

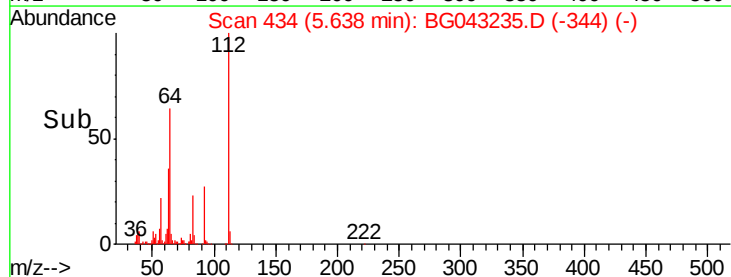
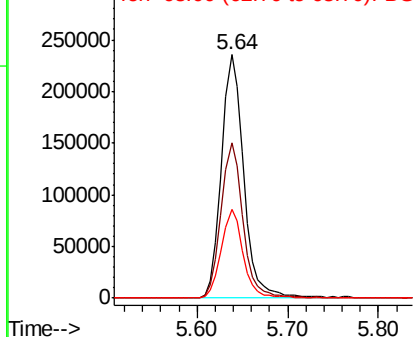


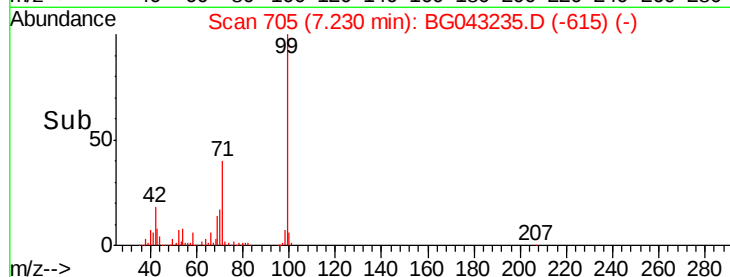
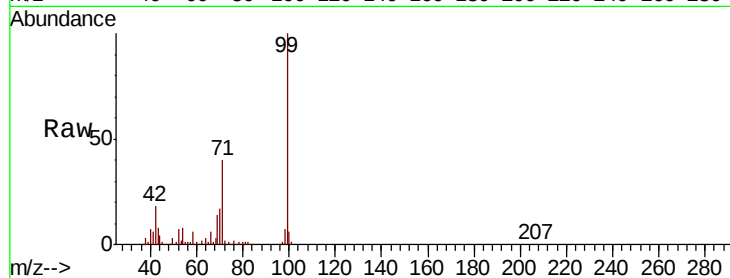
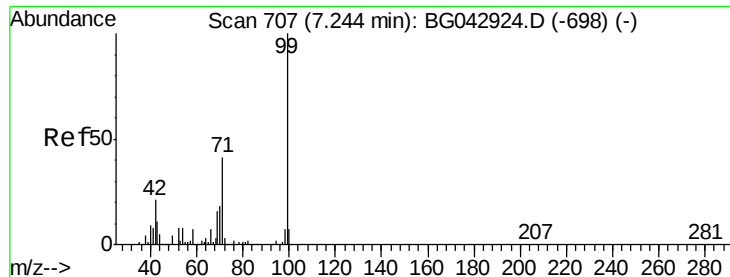
Abundance

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: 107.327 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

Instrument :

BNA_G

ClientSampleId :

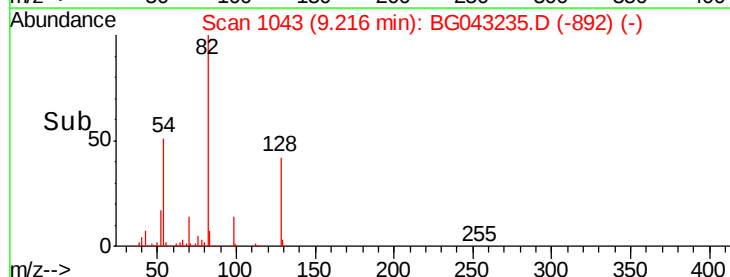
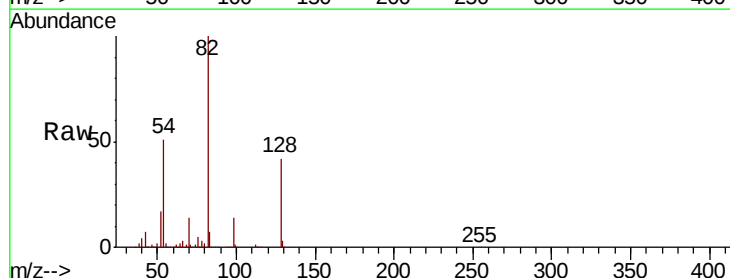
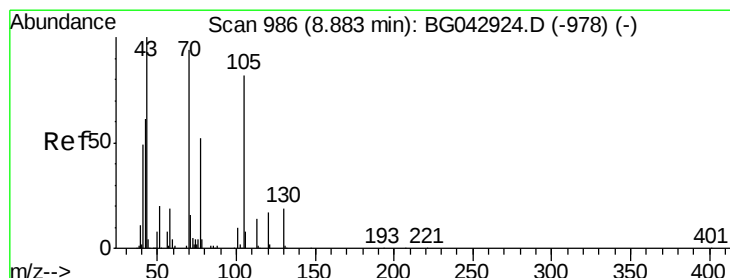
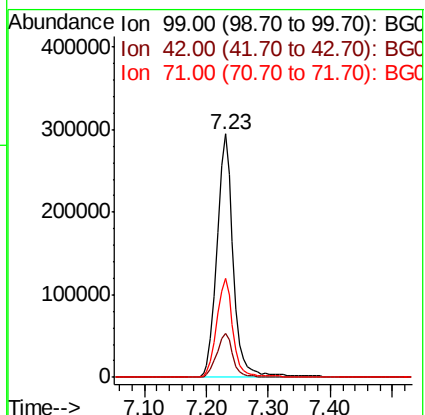
Tot Ion: 99 Resp: 539845

Ion Ratio Lower Upper

99 100

42 17.9 17.2 25.8

71 40.4 33.1 49.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.515 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.36 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

Tgt Ion: 70 Resp: 51243

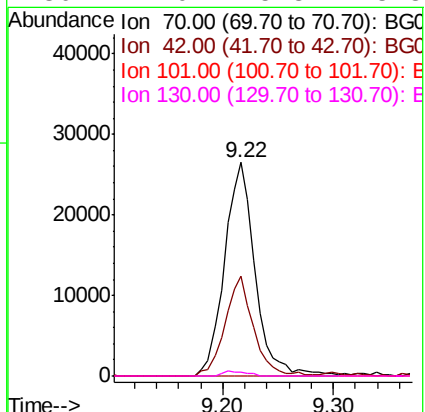
Ion Ratio Lower Upper

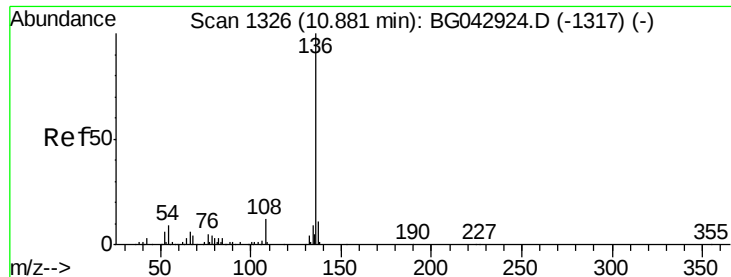
70 100

42 46.9 52.6 79.0#

101 0.0 8.7 13.1#

130 2.0 15.8 23.8#

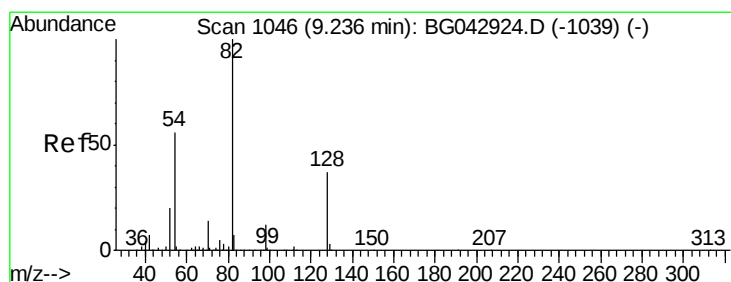
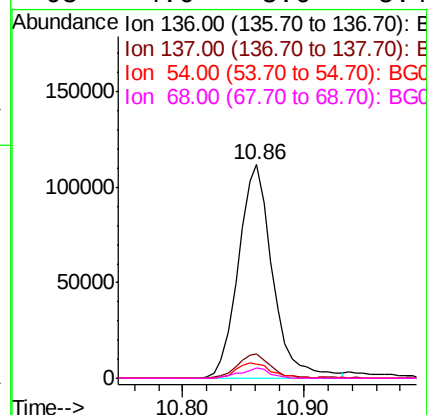
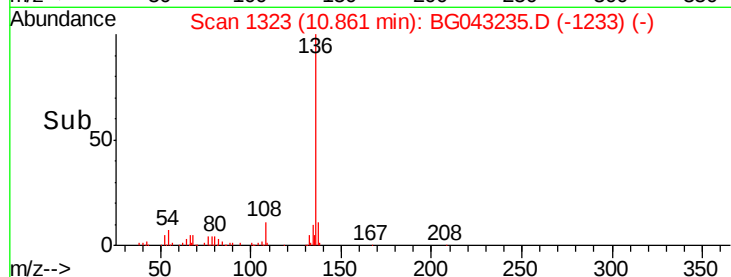
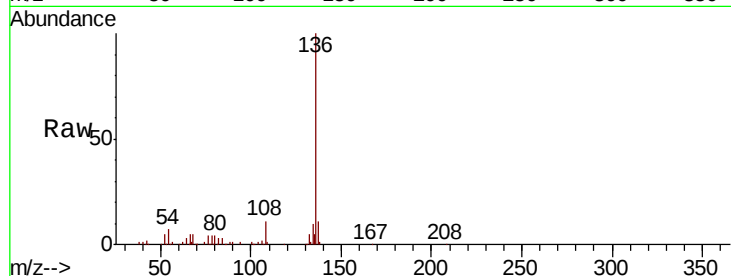




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG043235.D
Acq: 16 Oct 2019 3:39

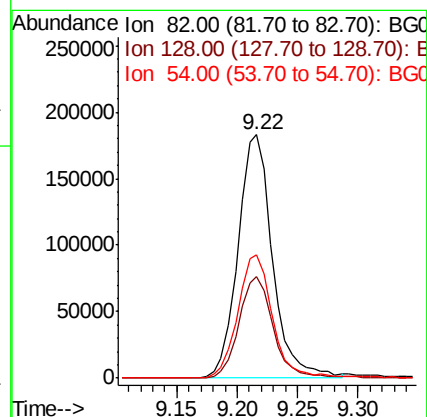
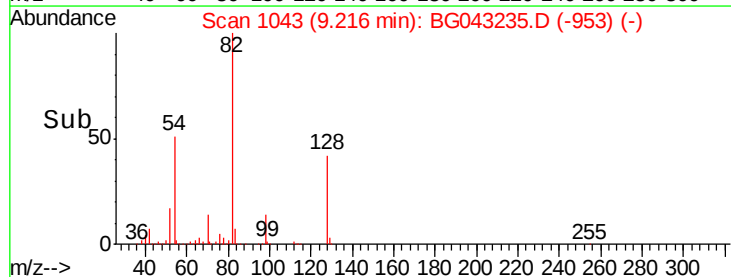
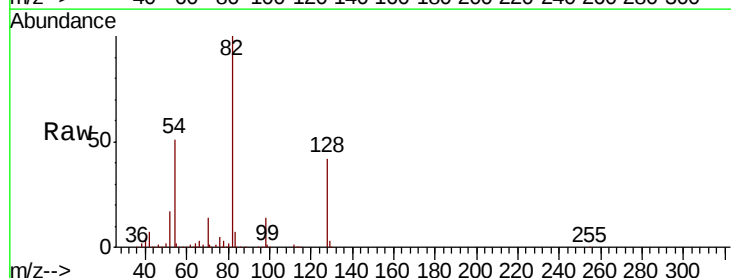
Instrument :
BNA_G
ClientSampleId :

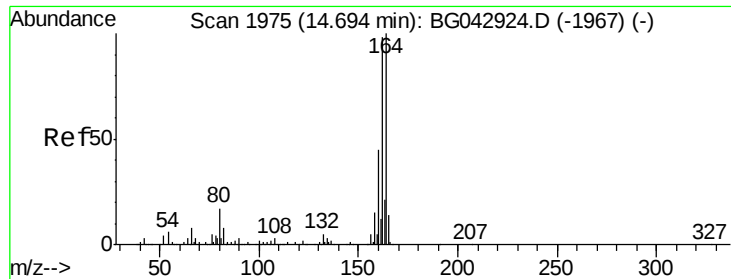
Tot Ion:136	Resp: 221004
Ion Ratio	Lower Upper
136 100	
137 11.3	8.5 12.7
54 6.8	7.4 11.2#
68 4.6	3.6 5.4



#23
Nitrobenzene-d5
Concen: 80.234 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG043235.D
Acq: 16 Oct 2019 3:39

Tgt Ion: 82	Resp: 364818
Ion Ratio	Lower Upper
82 100	
128 41.9	29.5 44.3
54 50.5	44.6 67.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

Instrument :

BNA_G

ClientSampleId :

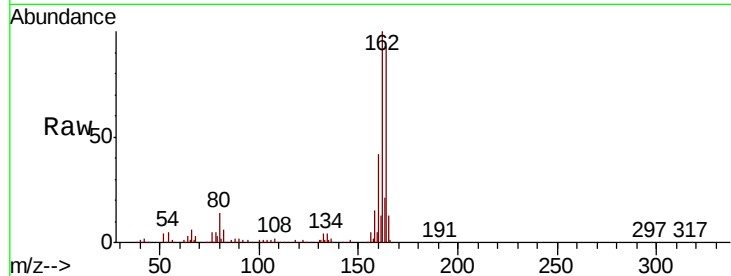
Tot Ion:164 Resp: 154088

Ion Ratio Lower Upper

164 100

162 107.3 78.5 117.7

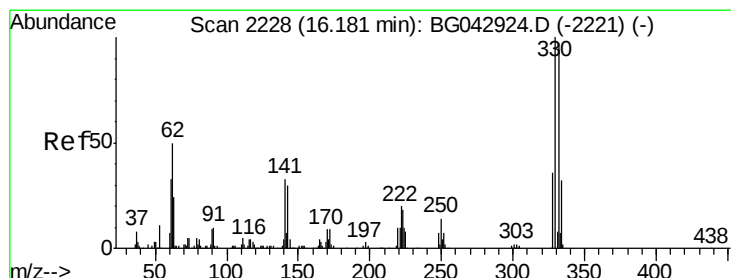
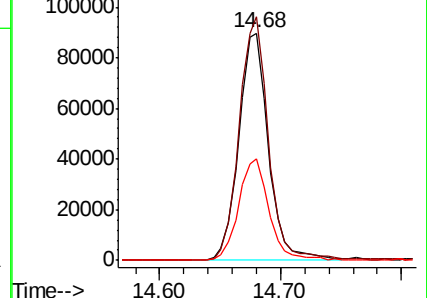
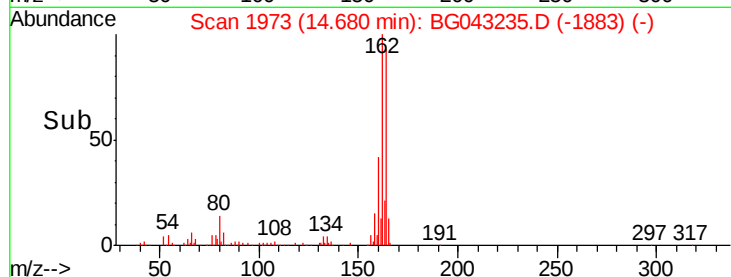
160 44.8 35.9 53.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 118.285 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

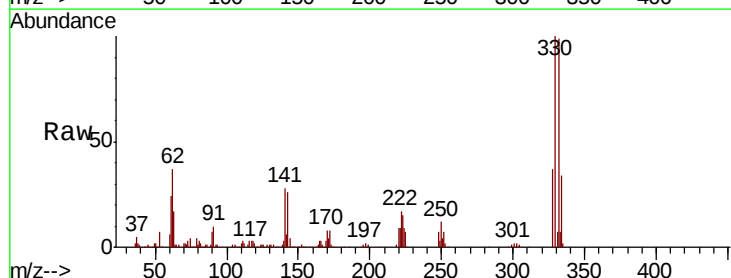
Tgt Ion:330 Resp: 313412

Ion Ratio Lower Upper

330 100

332 94.7 78.2 117.2

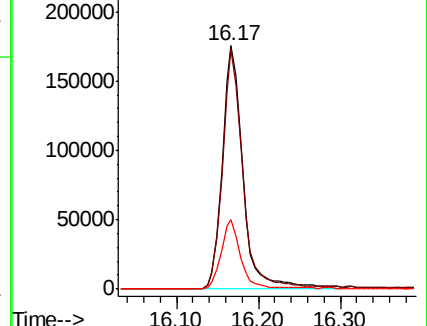
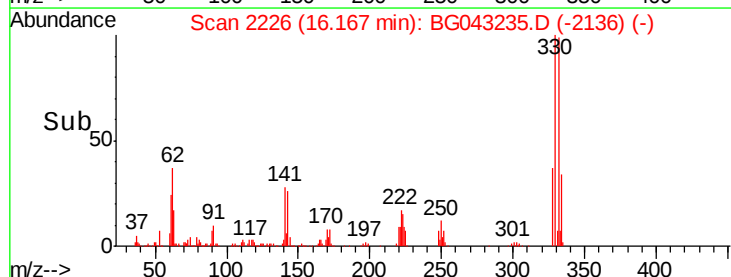
141 27.3 26.0 39.0

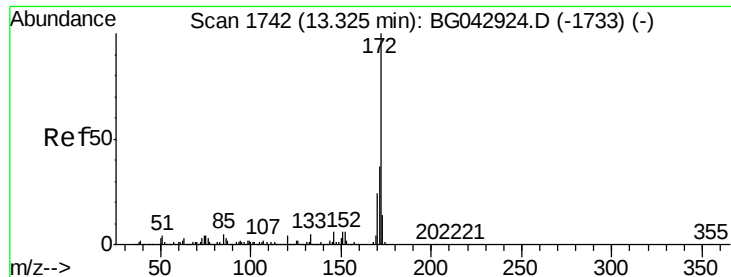


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

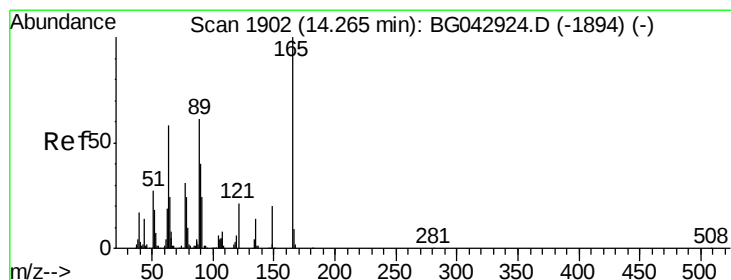
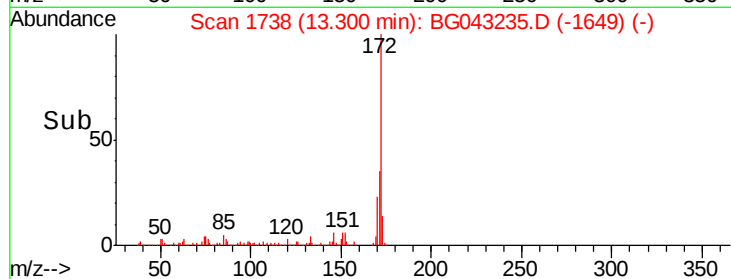
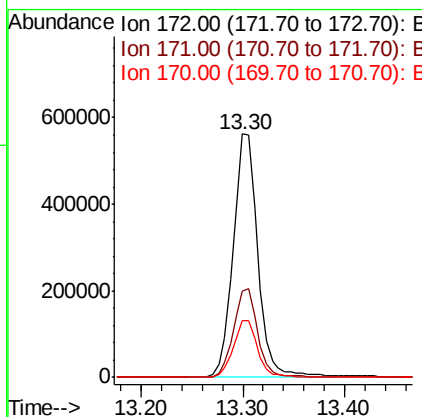
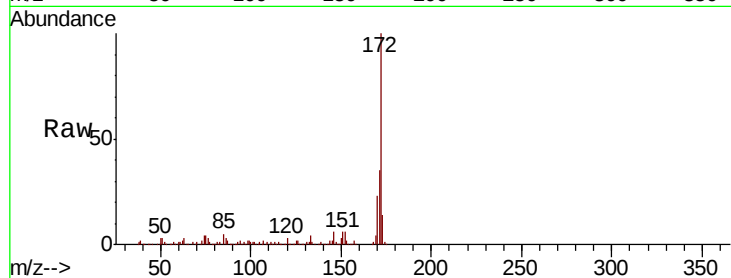




#45
2-Fluorobiphenyl
Concen: 89.444 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG043235.D
Acq: 16 Oct 2019 3:39

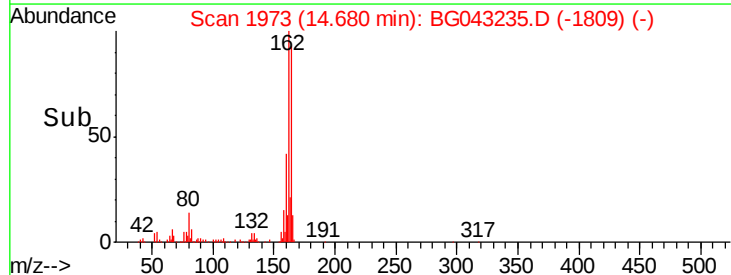
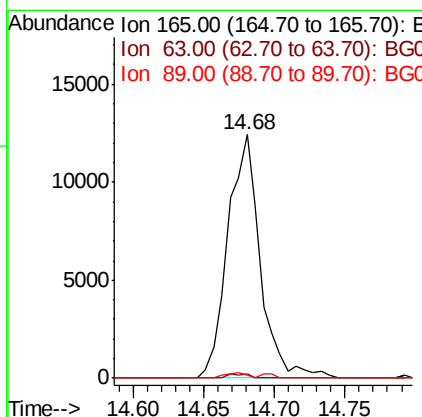
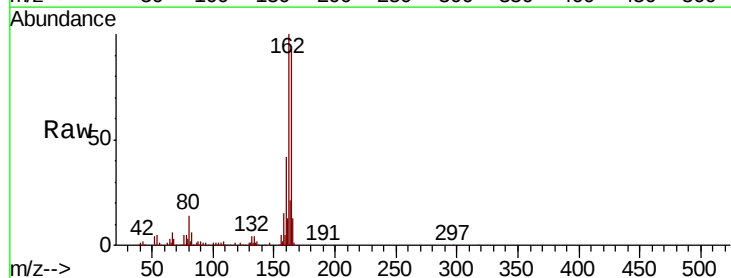
Instrument :
BNA_G
ClientSampleId :

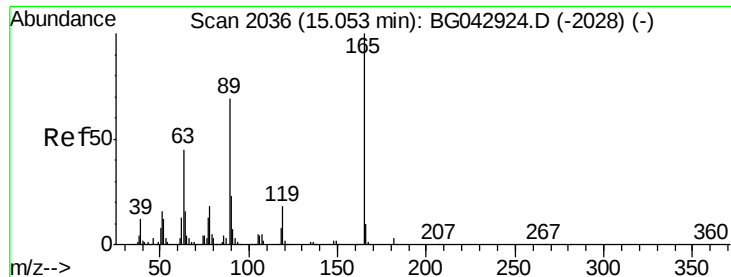
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.4	19.6	29.4



#51
2,6-Dinitrotoluene
Concen: 8.062 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.43 min
Lab File: BG043235.D
Acq: 16 Oct 2019 3:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	50.3	75.5#
89	1.4	48.9	73.3#





#57

2,4-Dinitrotoluene

Concen: 5.506 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.35 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 19824

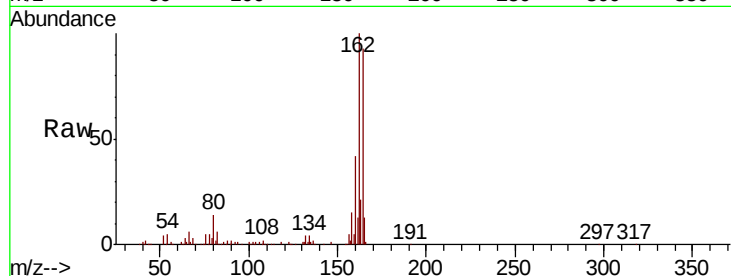
Ion Ratio Lower Upper

165 100

63 1.6 36.5 54.7#

89 1.4 55.5 83.3#

182 0.0 2.4 3.6#

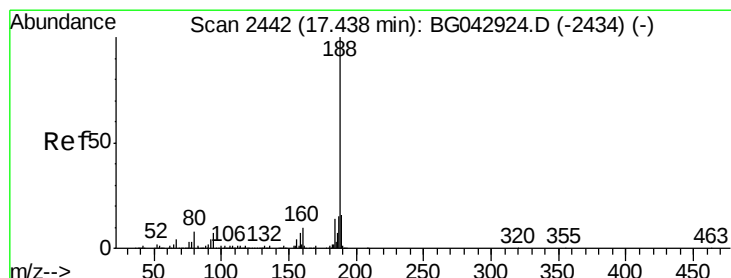
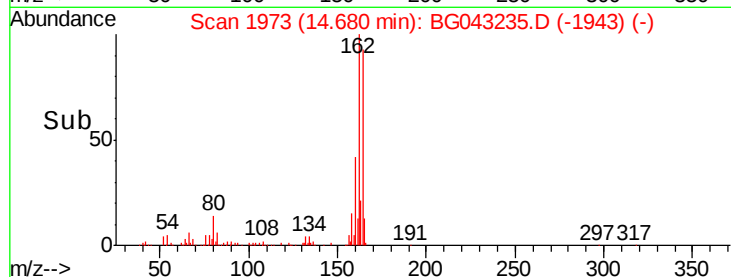
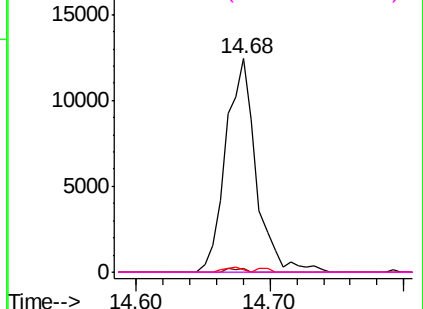


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2440

Delta R.T. 0.01 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

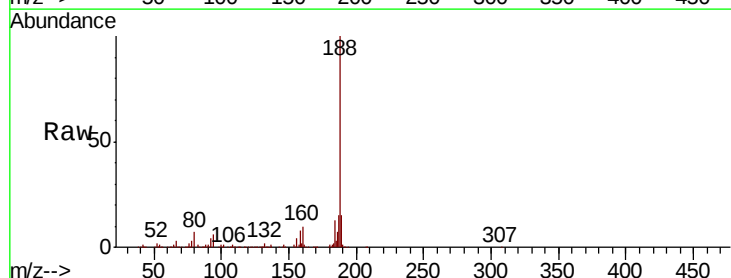
Tgt Ion:188 Resp: 322129

Ion Ratio Lower Upper

188 100

94 6.1 5.7 8.5

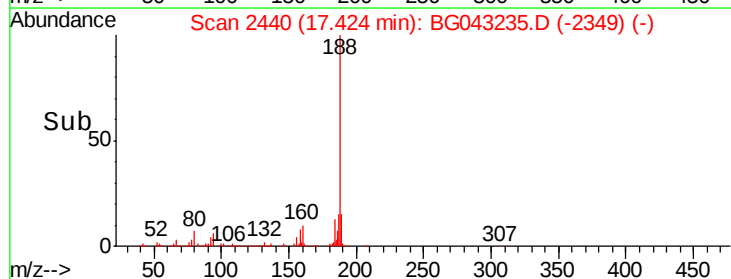
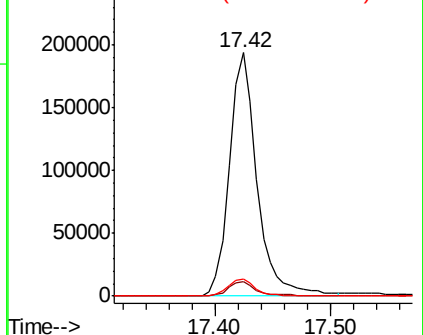
80 6.9 6.5 9.7

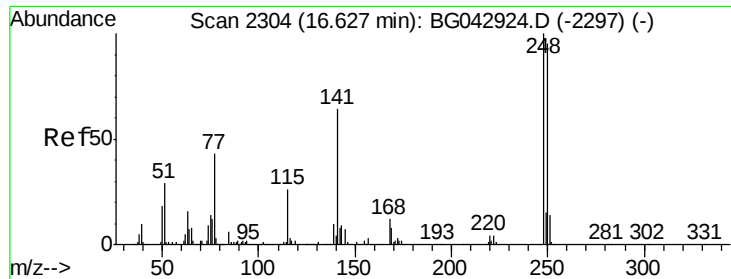


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

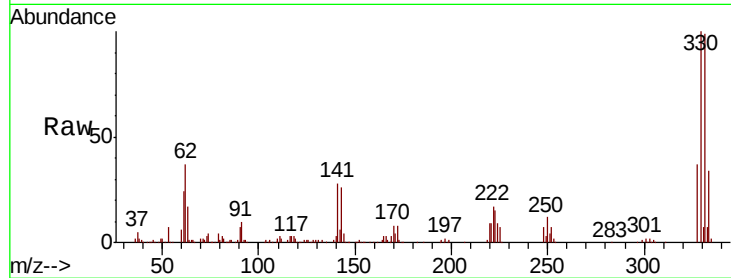




#67
 4-Bromophenyl-phenylether
 Concen: 4.906 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.44 min
 Lab File: BG043235.D
 Acq: 16 Oct 2019 3:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	188.8	75.8	113.8#
141	430.0	51.1	76.7#

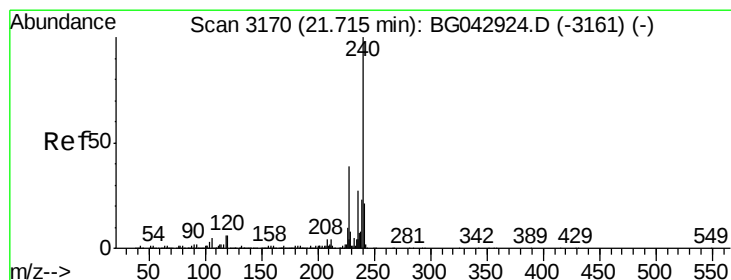
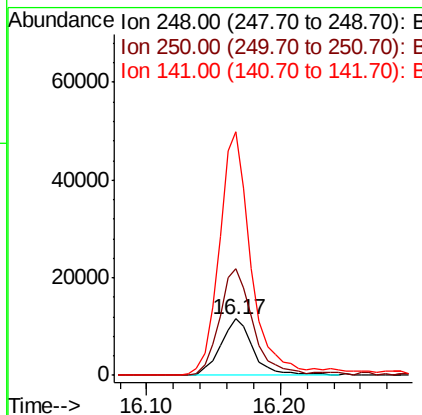
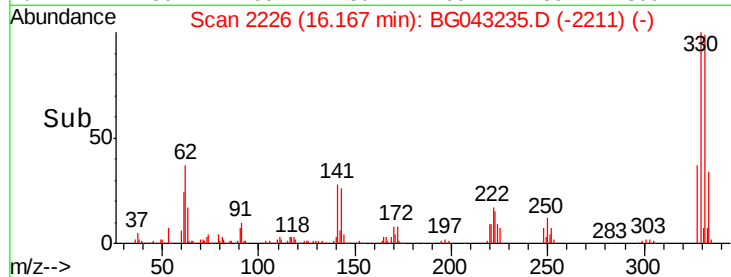


Abundance

Ion 248.00 (247.70 to 248.70): E

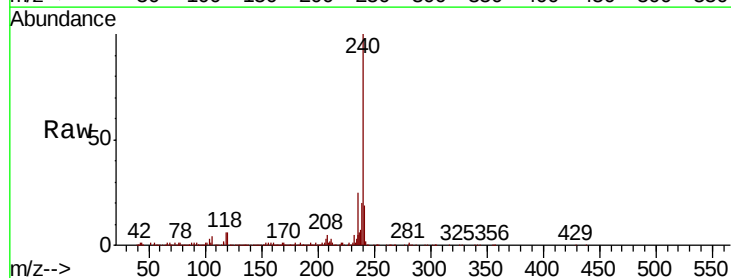
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. 0.01 min
 Lab File: BG043235.D
 Acq: 16 Oct 2019 3:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.2	4.8	7.2
236	24.8	21.4	32.0

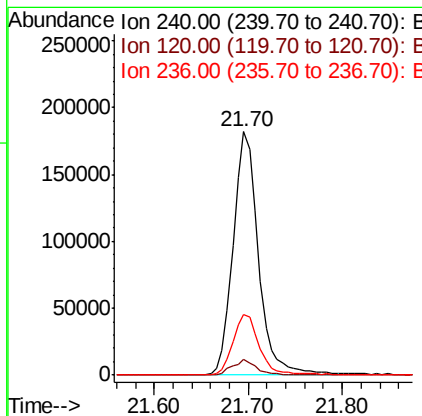
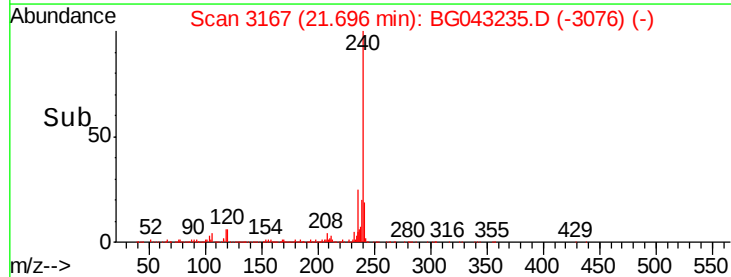


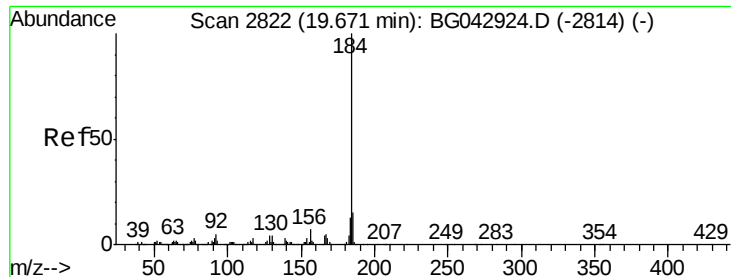
Abundance

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: 2.724 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

Instrument :

BNA_G

ClientSampleId :

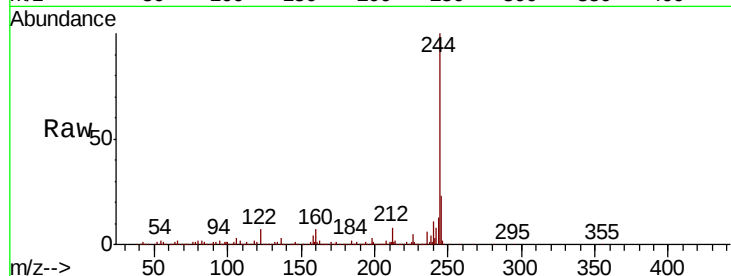
Tot Ion:184 Resp: 23279

Ion Ratio Lower Upper

184 100

185 15.2 11.8 17.8

183 8.3 10.1 15.1#

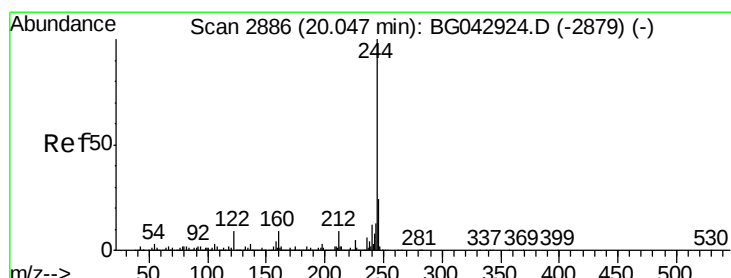
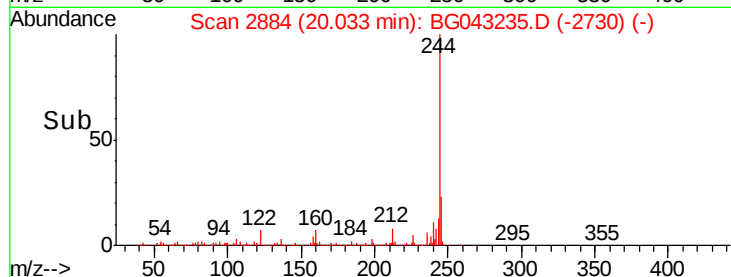
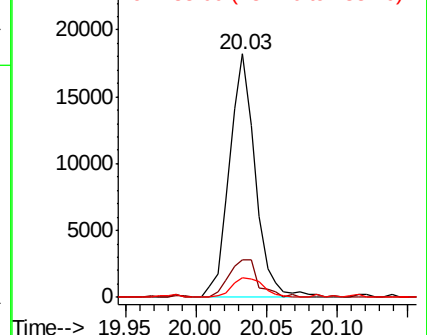


Abundance

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: 96.714 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

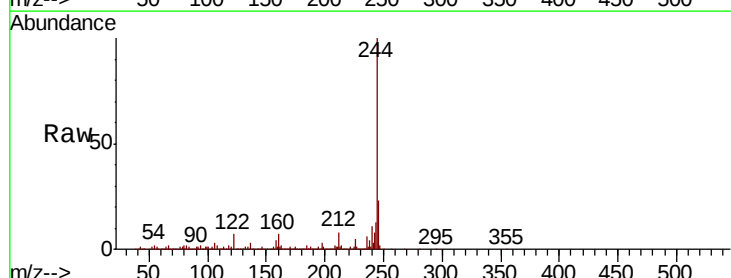
Tgt Ion:244 Resp: 1548847

Ion Ratio Lower Upper

244 100

212 7.8 7.4 11.0

122 7.5 7.0 10.4

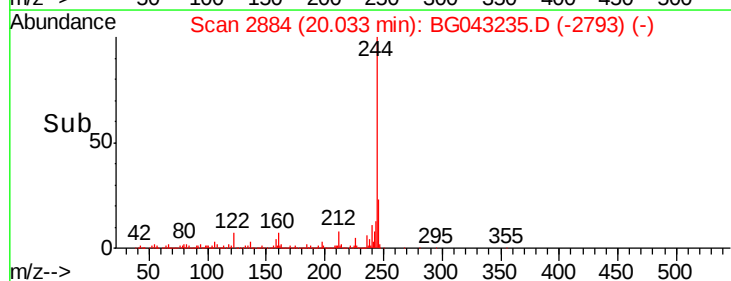
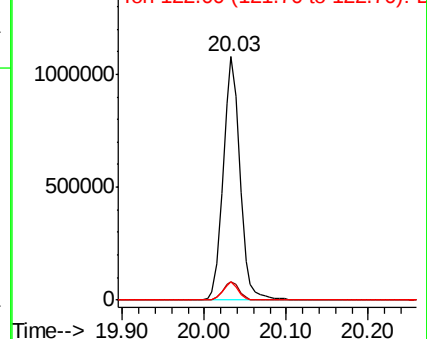


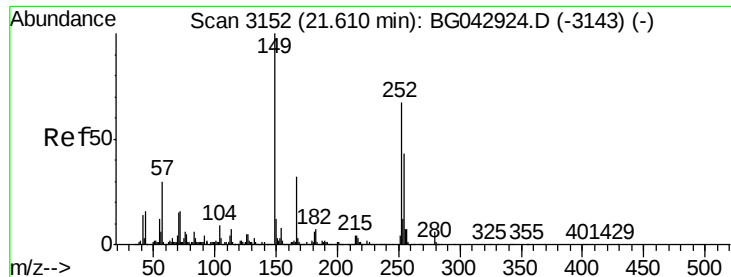
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 13.993 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

Instrument :

BNA_G

ClientSampleId :

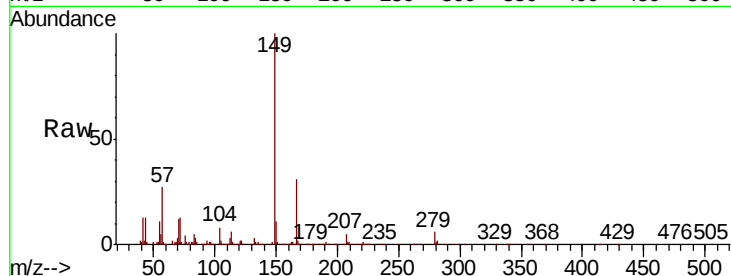
Tot Ion:149 Resp: 153933

Ion Ratio Lower Upper

149 100

167 30.7 25.4 38.2

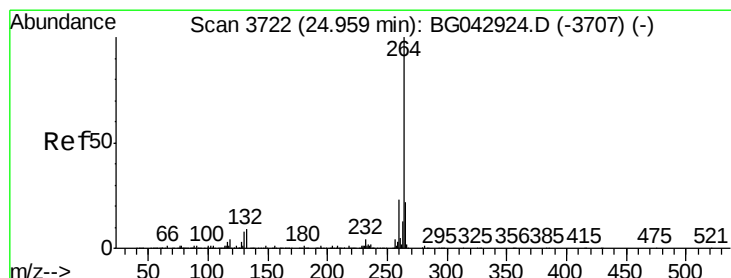
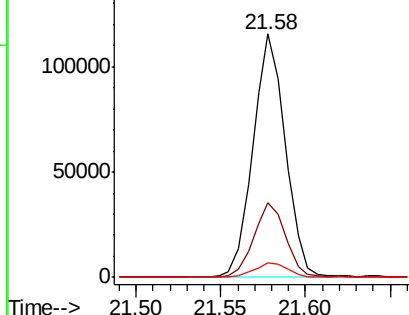
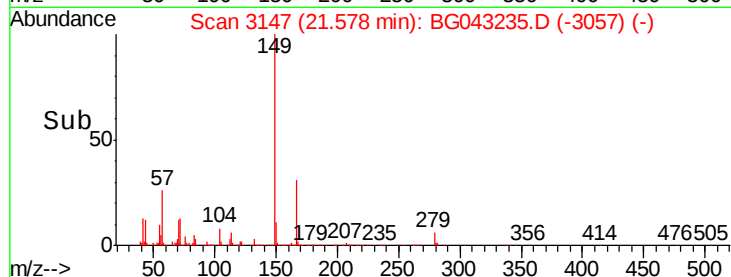
279 5.9 5.1 7.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. 0.01 min

Lab File: BG043235.D

Acq: 16 Oct 2019 3:39

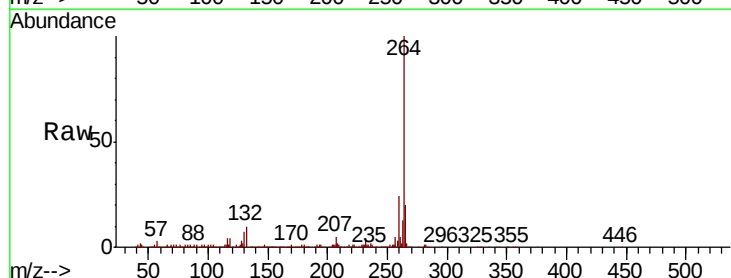
Tgt Ion:264 Resp: 401712

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 20.0 17.7 26.5



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

