

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112619\
 Data File : BG043785.D
 Acq On : 27 Nov 2019 1:11
 Operator : JU
 Sample : K5672-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 27 03:00:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 23 00:54:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	68096	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	322970	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	254278	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	754163	20.00	ng	0.00
76) Chrysene-d12	21.65	240	815845	20.00	ng	-0.02
87) Perylene-d12	24.82	264	779611	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	663232	175.10	ng	0.00
7) Phenol-d6	7.18	99	1000002	181.61	ng	0.00
23) Nitrobenzene-d5	9.18	82	533092	90.75	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	458145	149.38	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1312110	84.82	ng	0.00
79) Terphenyl-d14	20.00	244	2974476	82.38	ng	0.00

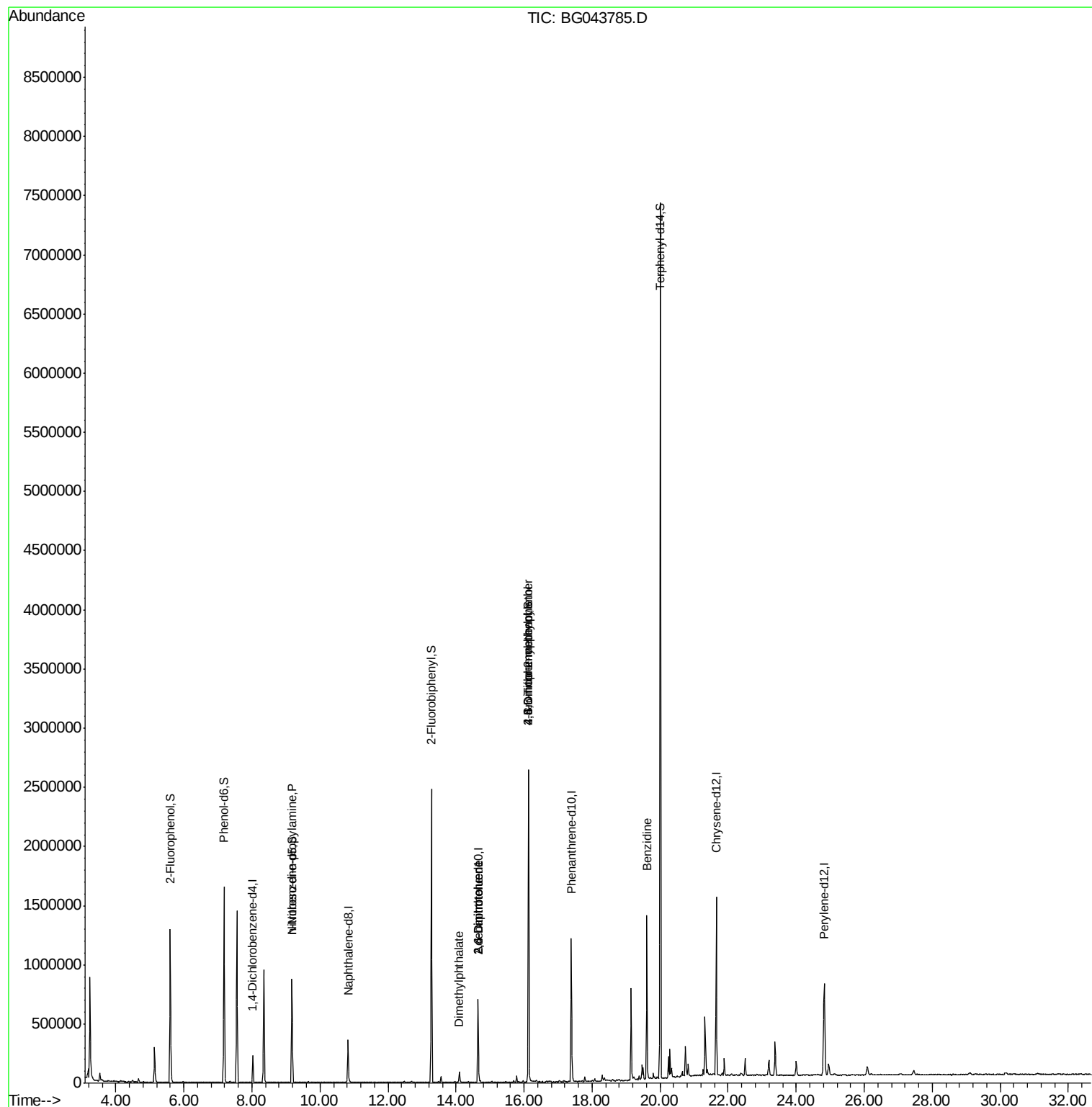
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.18	70	68936	15.920	ng	# 74
50) Dimethylphthalate	14.10	163	61073	3.032	ng	# 96
51) 2,6-Dinitrotoluene	14.65	165	33091	8.846	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	33091	6.379	ng	# 24
60) Diethylphthalate	15.46	149	2422	Below Cal		98
65) 4,6-Dinitro-2-methylphenol	16.13	198	2136	4.966	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	35741	4.494	ng	# 1
73) Carbazole	17.78	167	15288	Below Cal		98
77) Benzidine	19.61	184	797885	33.480	ng	99

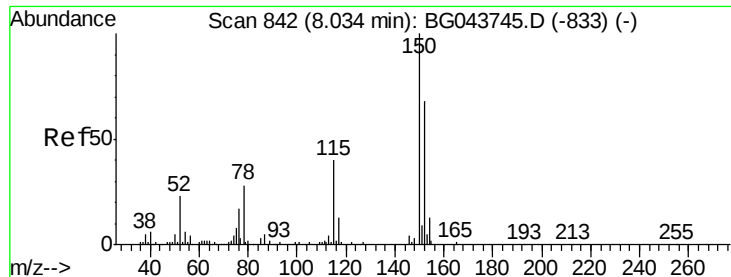
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.01 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

Instrument :

BNA_G

ClientSampleId :

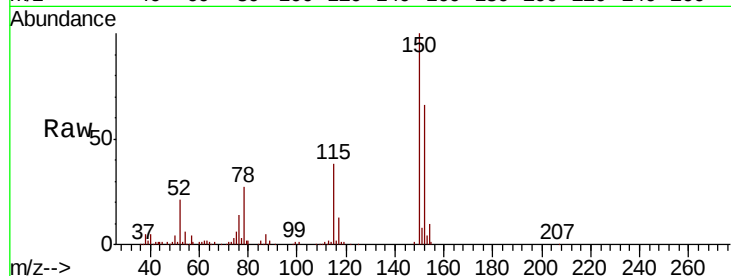
Tot Ion:152 Resp: 68096

Ion Ratio Lower Upper

152 100

150 151.9 117.8 176.8

115 57.2 47.0 70.4

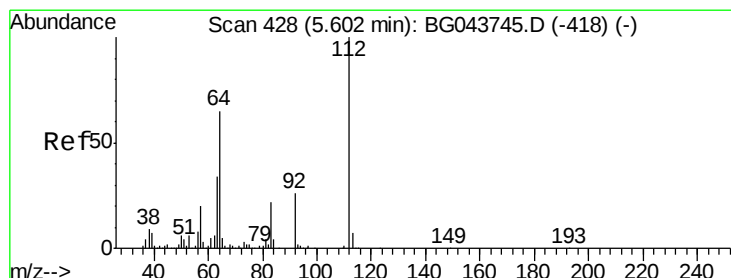
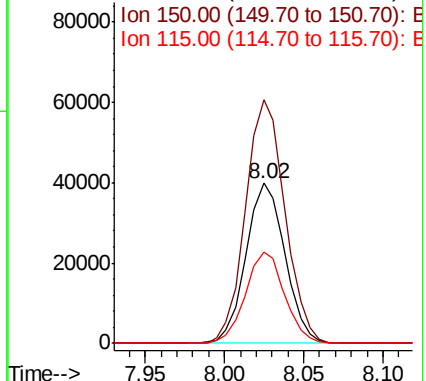
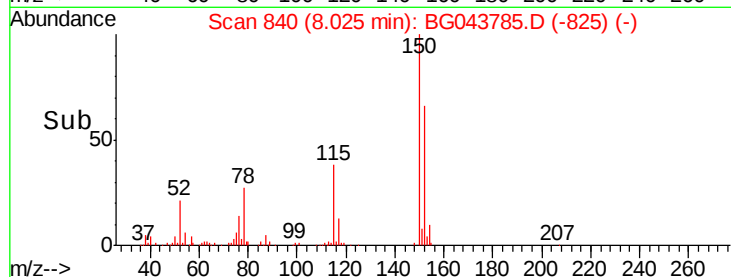


Abundance

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



#5

2-Fluorophenol

Concen: 175.098 ng

RT: 5.60 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

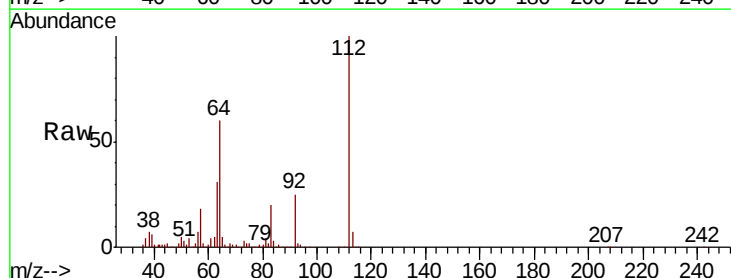
Tgt Ion:112 Resp: 663232

Ion Ratio Lower Upper

112 100

64 59.6 51.7 77.5

63 31.0 26.8 40.2

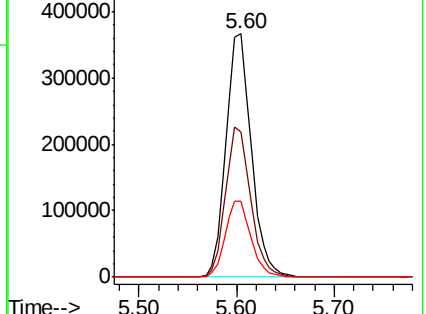
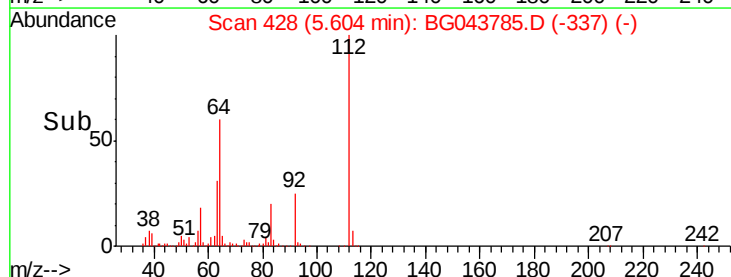


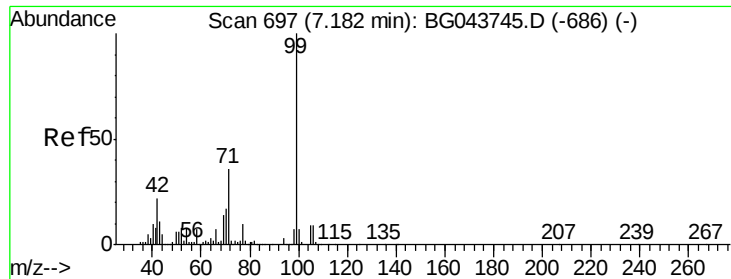
Abundance

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: 181.614 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

Instrument :

BNA_G

ClientSampled :

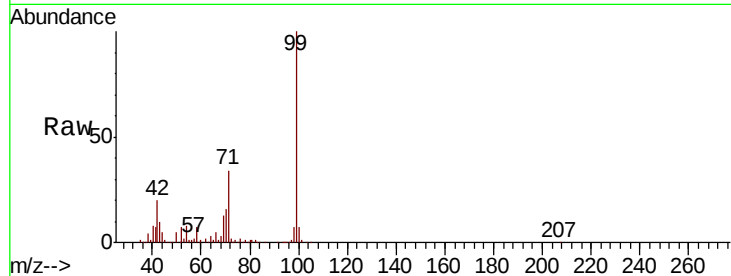
Tot Ion: 99 Resp: 1000002

Ion Ratio Lower Upper

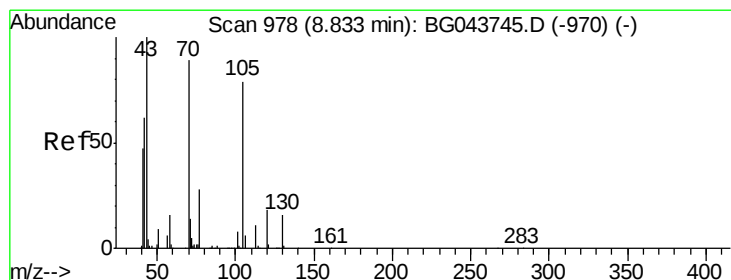
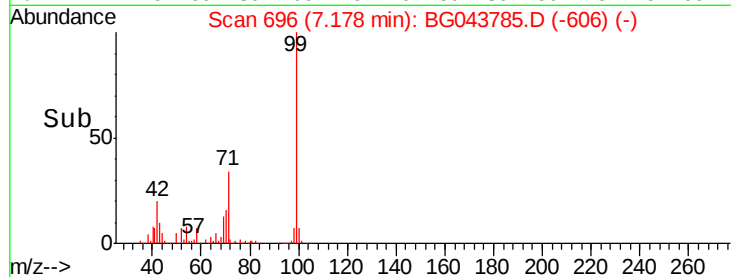
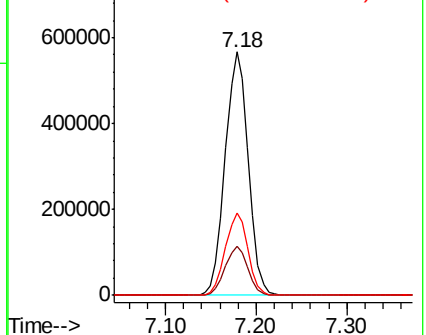
99 100

42 20.3 17.4 26.0

71 34.0 29.5 44.3



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: 15.920 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

Tgt Ion: 70 Resp: 68936

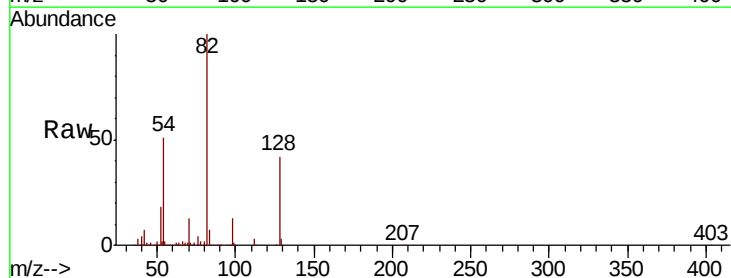
Ion Ratio Lower Upper

70 100

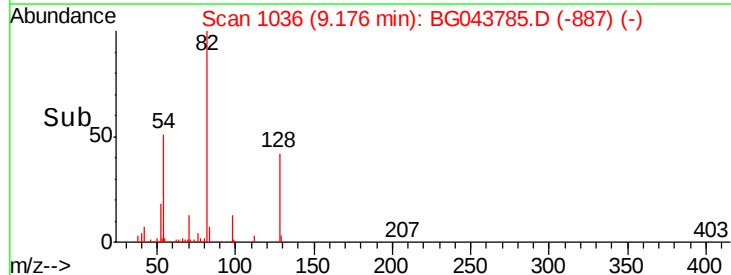
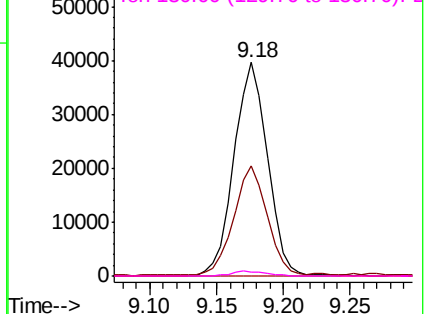
42 51.4 56.4 84.6#

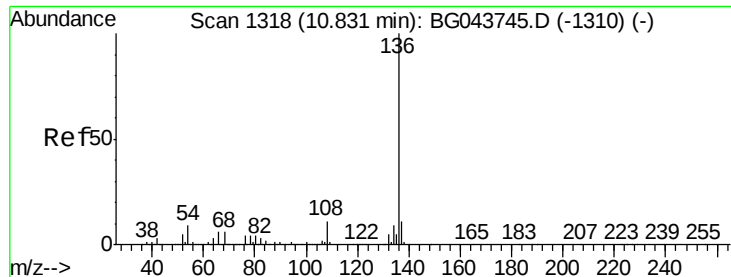
101 0.0 6.7 10.1#

130 1.8 14.7 22.1#



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

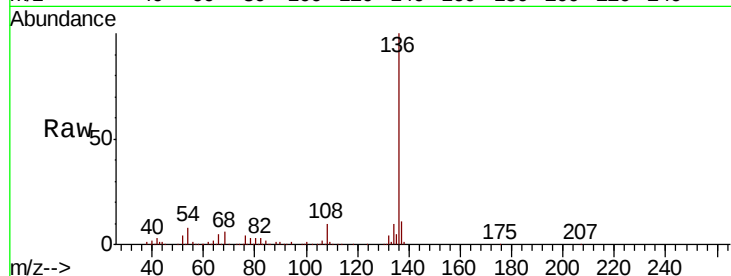




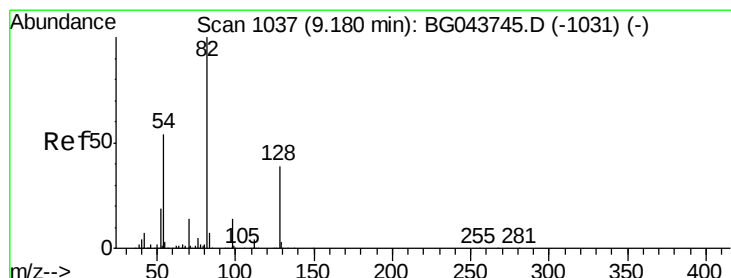
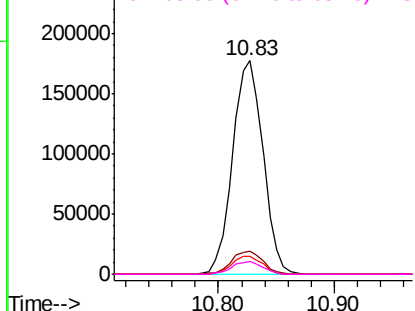
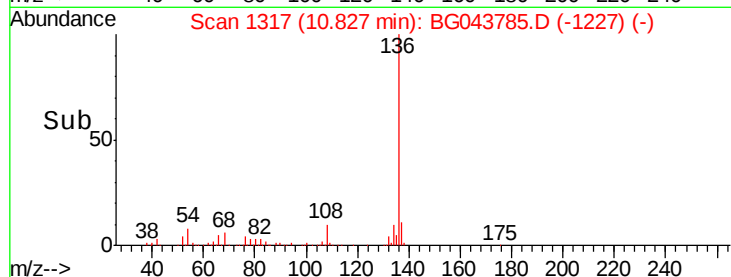
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043785.D
Acq: 27 Nov 2019 1:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	322970
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.8	13.2
54 8.4	7.5	11.3
68 6.1	4.9	7.3

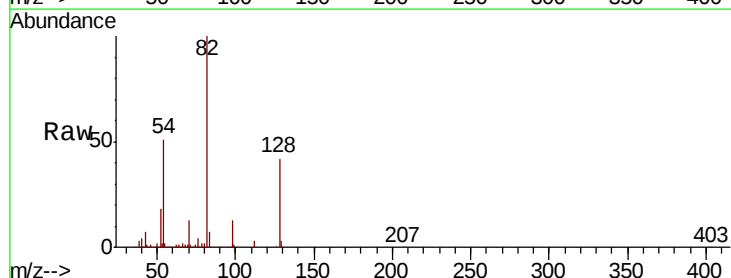


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

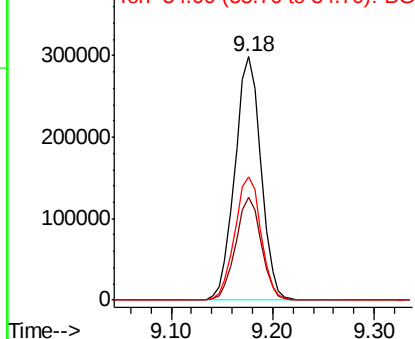
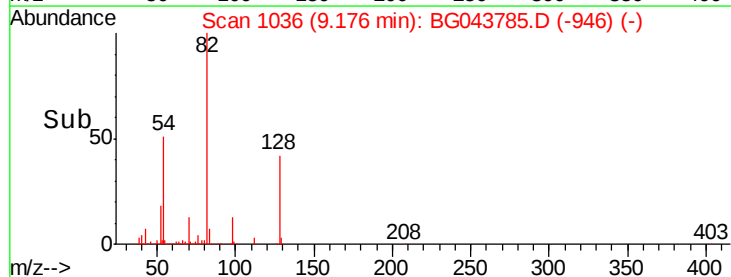


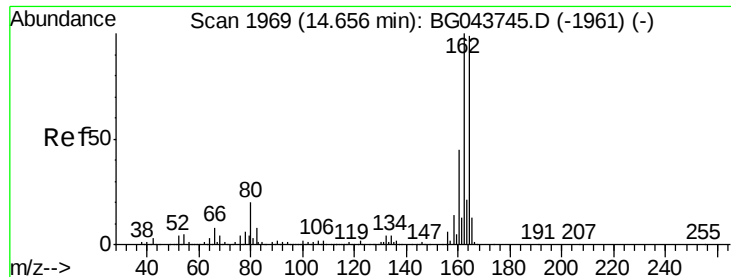
#23
Nitrobenzene-d5
Concen: 90.754 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043785.D
Acq: 27 Nov 2019 1:11

Tgt Ion: 82	Resp: 533092
Ion Ratio	Lower Upper
82 100	
128 42.4	31.3 46.9
54 50.7	42.7 64.1



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

Instrument :

BNA_G

ClientSampleId :

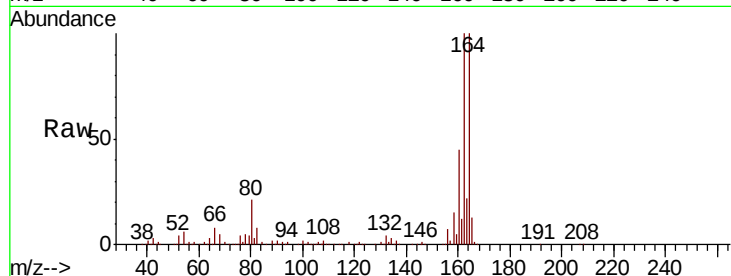
Tot Ion:164 Resp: 254278

Ion Ratio Lower Upper

164 100

162 100.4 80.6 121.0

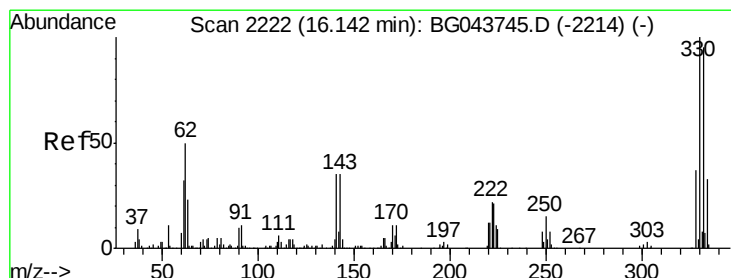
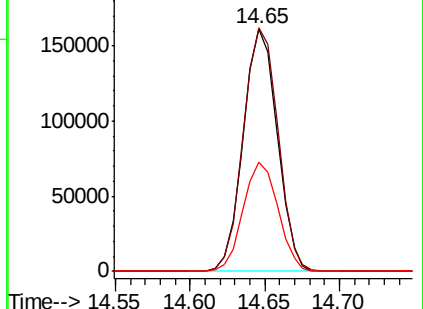
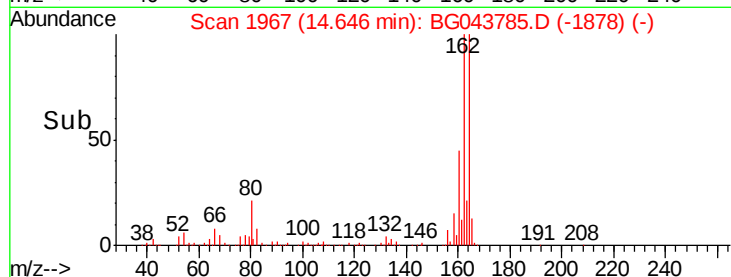
160 45.0 36.3 54.5



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: 149.380 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

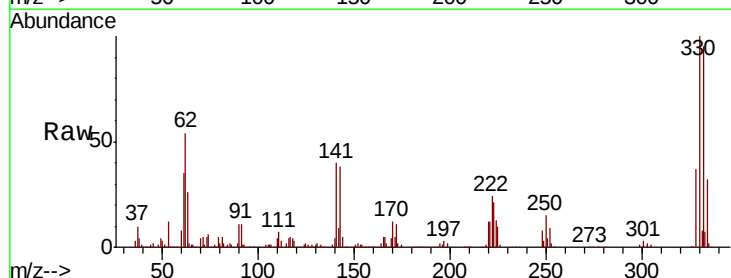
Tgt Ion:330 Resp: 458145

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

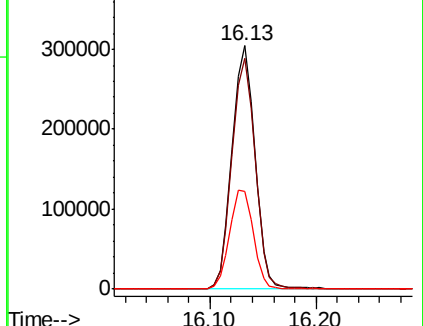
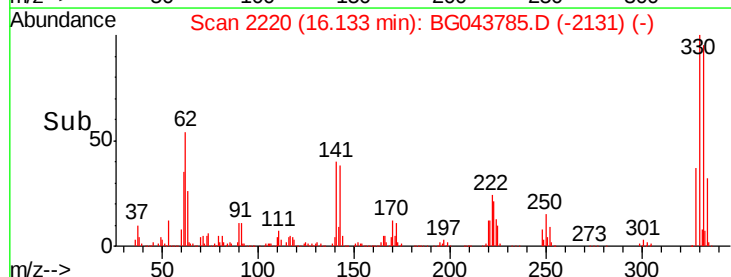
141 42.0 31.4 47.2

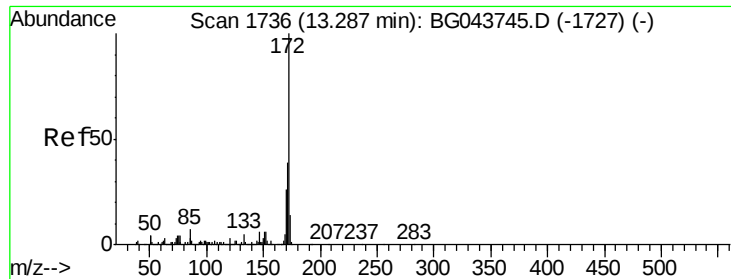


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

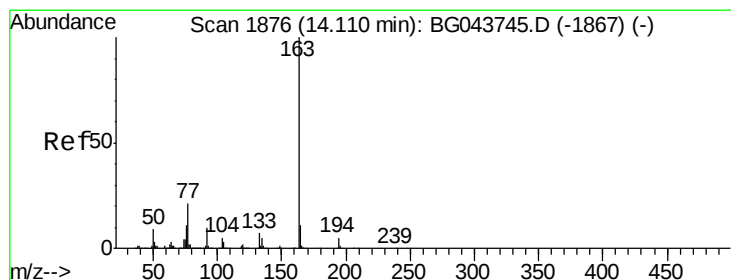
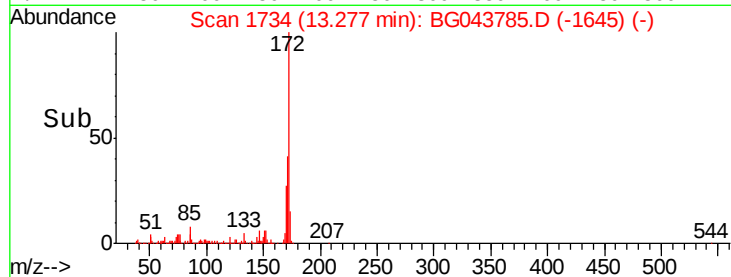
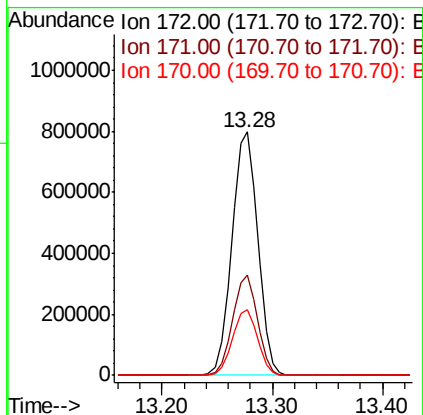
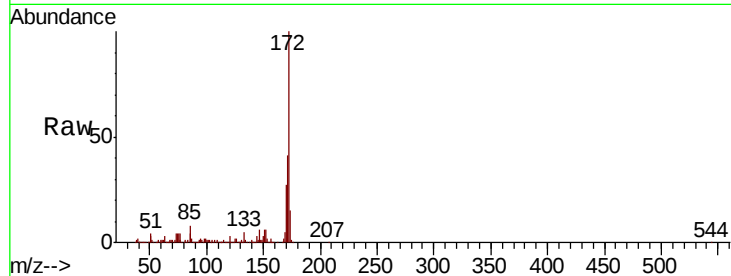




#45
2-Fluorobiphenyl
Concen: 84.822 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG043785.D
Acq: 27 Nov 2019 1:11

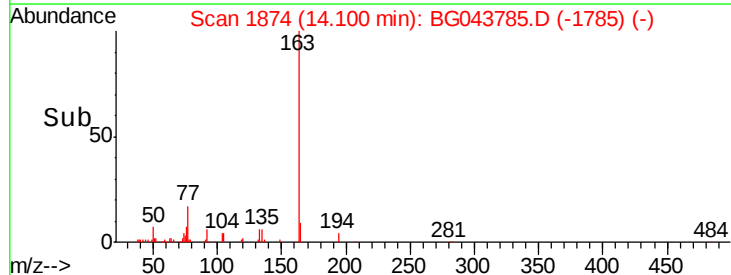
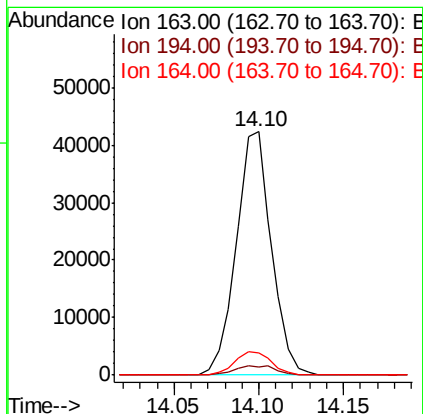
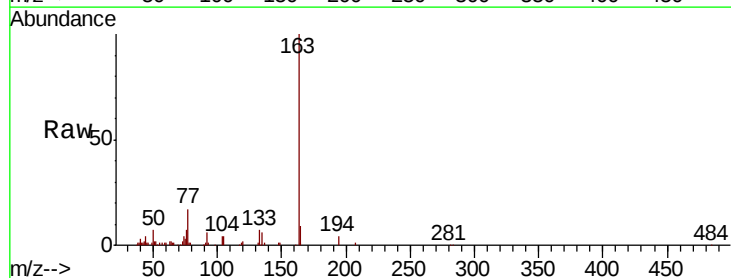
Instrument :
BNA_G
ClientSampleId :

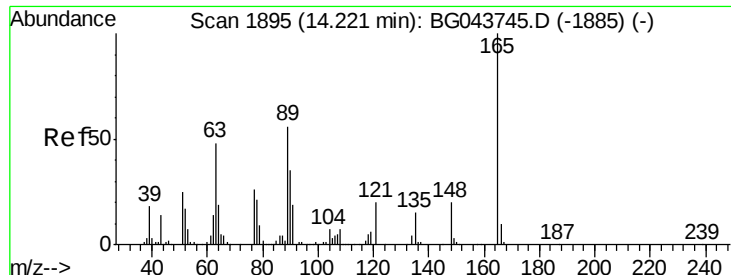
Tot Ion:172 Resp: 1312110
Ion Ratio Lower Upper
172 100
171 41.0 31.0 46.6
170 27.2 21.0 31.4



#50
Dimethylphthalate
Concen: 3.032 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043785.D
Acq: 27 Nov 2019 1:11

Tgt Ion:163 Resp: 61073
Ion Ratio Lower Upper
163 100
194 3.5 3.7 5.5#
164 9.3 8.7 13.1

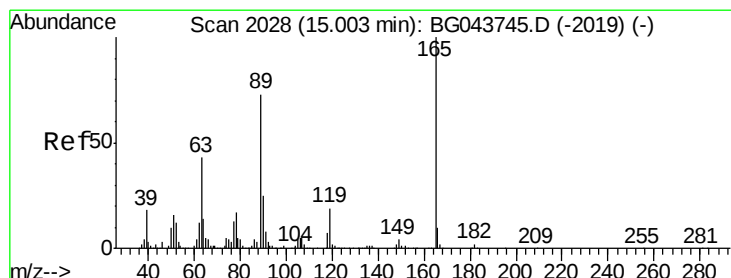
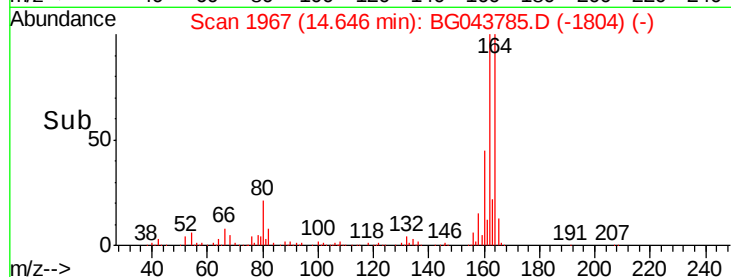
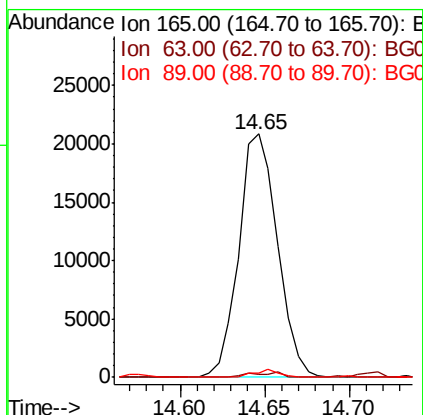
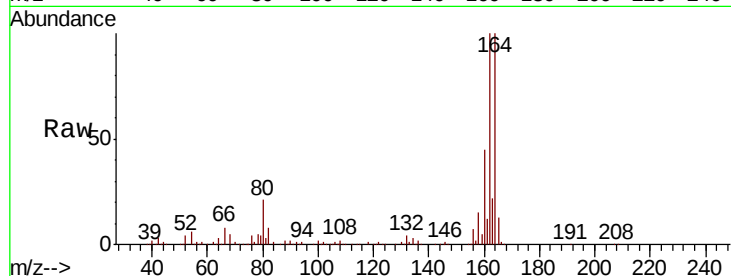




#51
 2,6-Dinitrotoluene
 Concen: 8.846 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.43 min
 Lab File: BG043785.D
 Acq: 27 Nov 2019 1:11

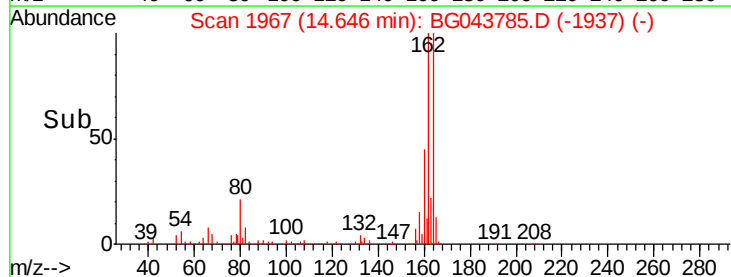
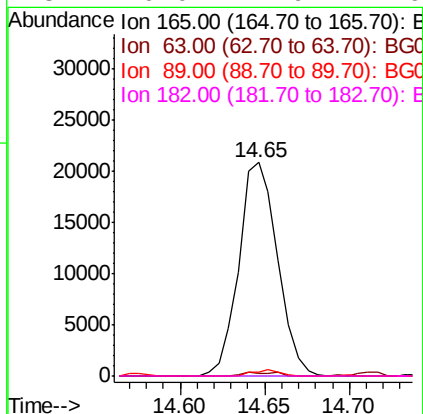
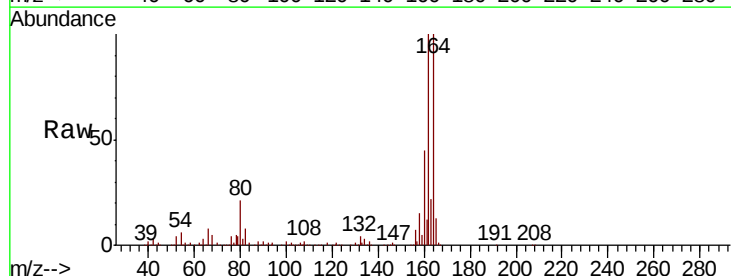
Instrument :
 BNA_G
 ClientSampled :

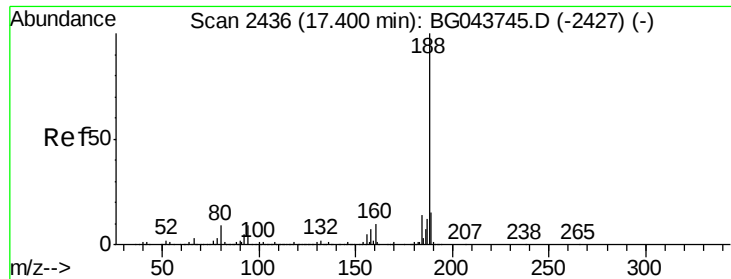
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.4	65.2#
89	2.0	44.6	67.0#



#57
 2,4-Dinitrotoluene
 Concen: 6.379 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043785.D
 Acq: 27 Nov 2019 1:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.6	51.8#
89	2.0	58.3	87.5#
182	0.0	1.9	2.9#

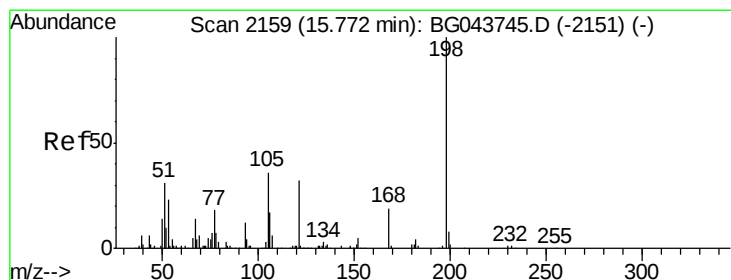
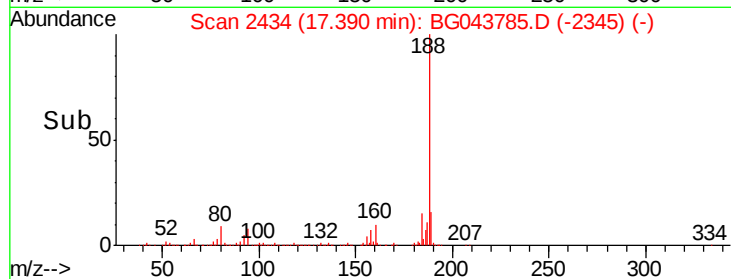
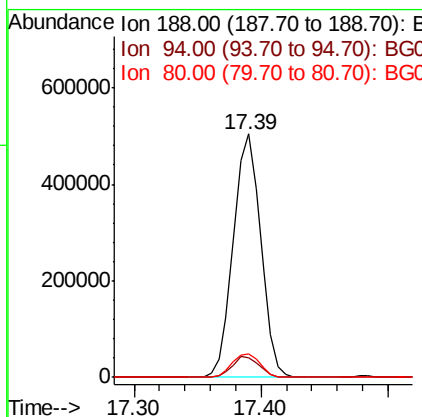
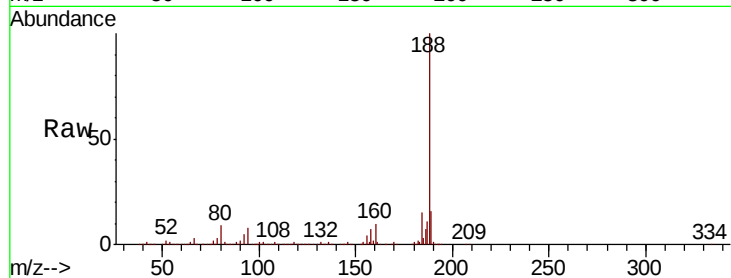




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BG043785.D
Acq: 27 Nov 2019 1:11

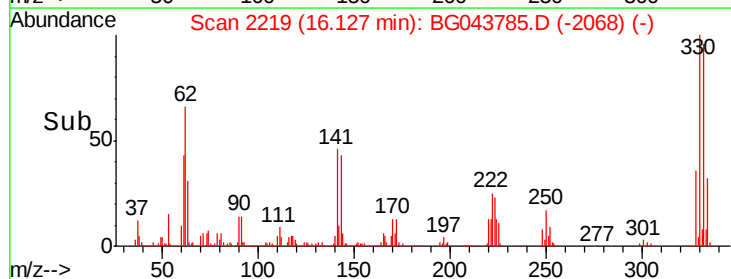
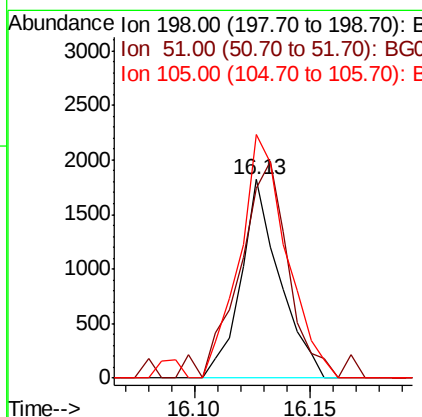
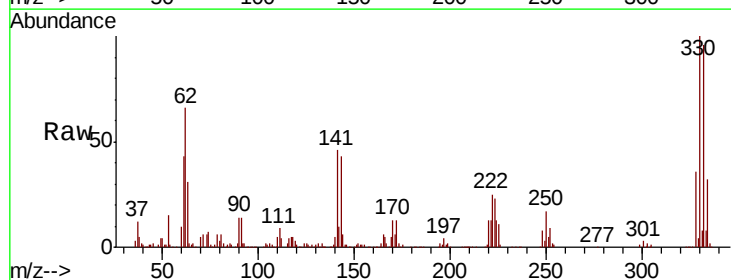
Instrument :
BNA_G
ClientSampleId :

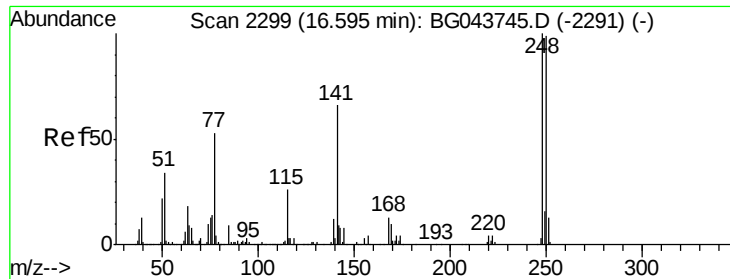
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	9.4	7.5	11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 4.966 ng
RT: 16.13 min Scan# 2219
Delta R.T. 0.35 min
Lab File: BG043785.D
Acq: 27 Nov 2019 1:11

Tgt Ion	Ratio	Lower	Upper
198	100		
51	95.9	16.8	56.8#
105	122.7	17.3	57.3#

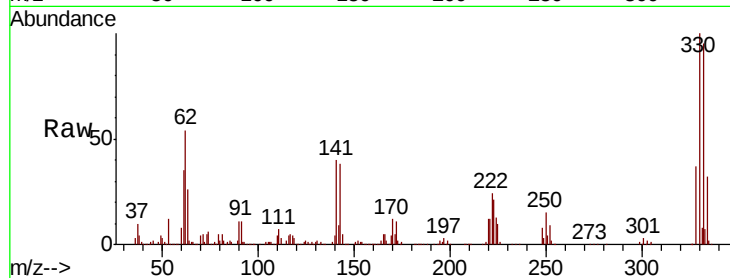




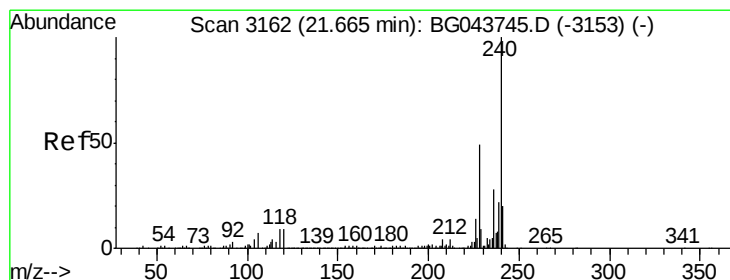
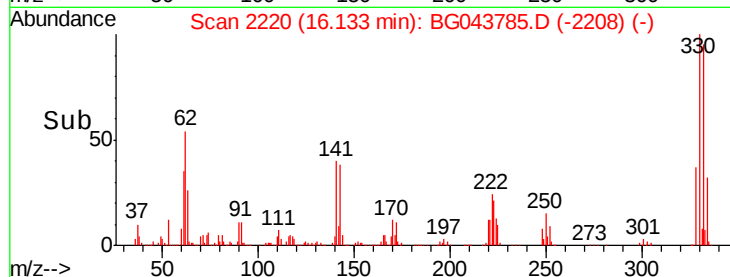
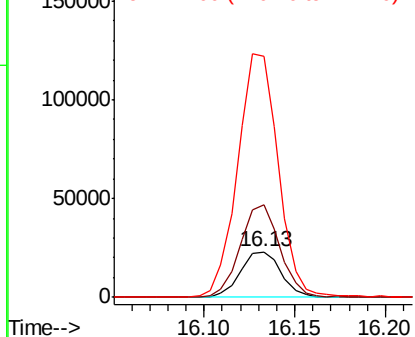
#67
 4-Bromophenyl-phenylether
 Concen: 4.494 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.46 min
 Lab File: BG043785.D
 Acq: 27 Nov 2019 1:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 35741
 Ion Ratio Lower Upper
 248 100
 250 203.0 79.3 118.9#
 141 525.2 53.0 79.6#

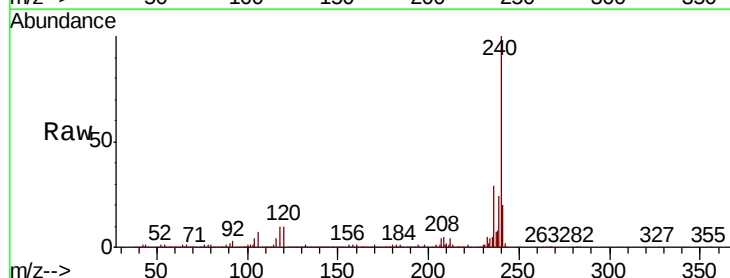


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

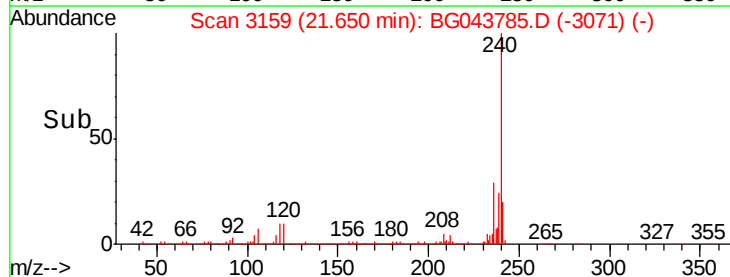
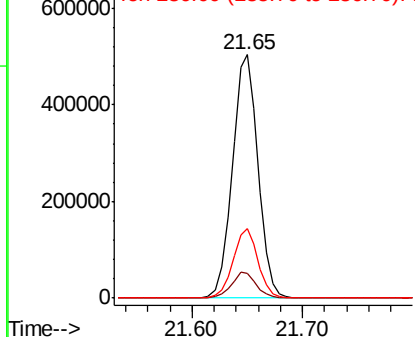


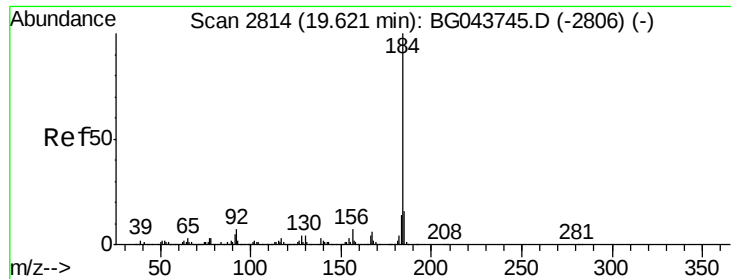
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.02 min
 Lab File: BG043785.D
 Acq: 27 Nov 2019 1:11

Tgt Ion:240 Resp: 815845
 Ion Ratio Lower Upper
 240 100
 120 10.3 7.5 11.3
 236 28.7 22.6 34.0



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: 33.480 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

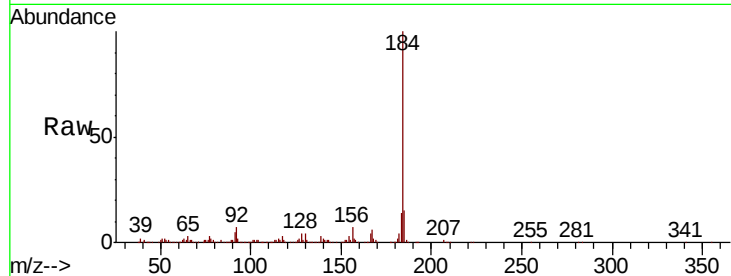
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 797885

Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.8	19.2
183	13.9	11.3	16.9

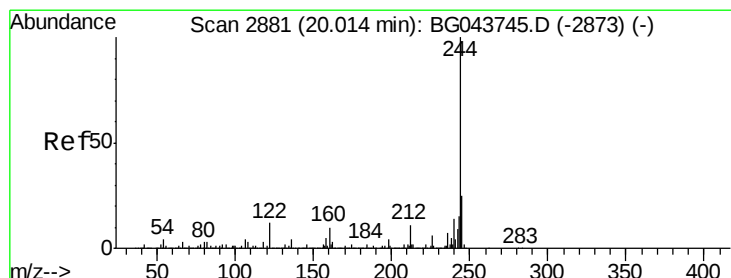
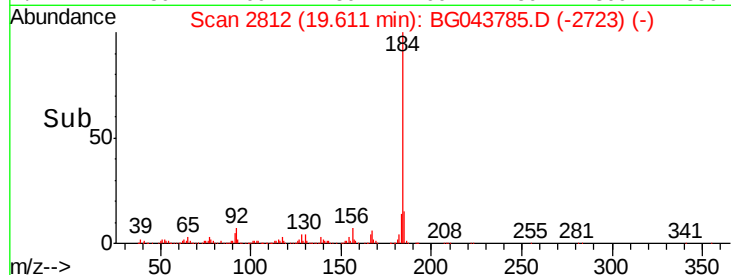
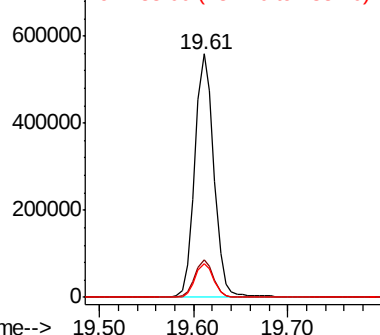


Abundance

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: 82.384 ng

RT: 20.00 min Scan# 2879

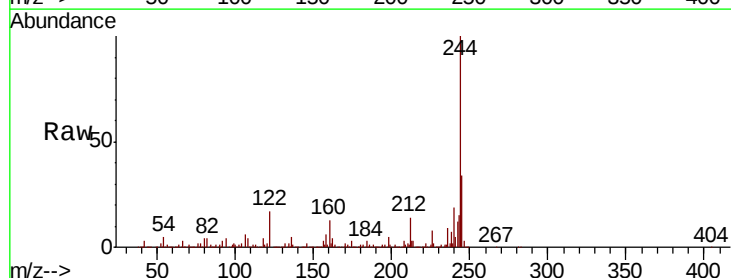
Delta R.T. -0.01 min

Lab File: BG043785.D

Acq: 27 Nov 2019 1:11

Tgt Ion:244 Resp: 2974476

Ion	Ratio	Lower	Upper
244	100		
212	14.0	8.5	12.7#
122	17.2	9.5	14.3#

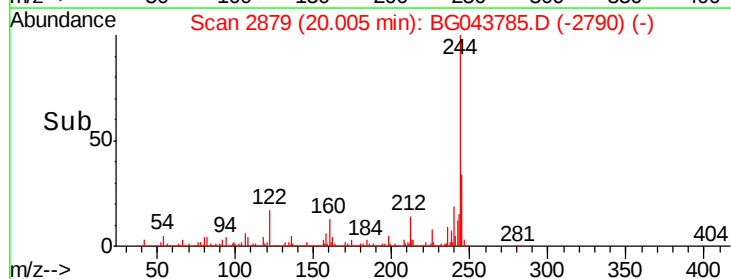
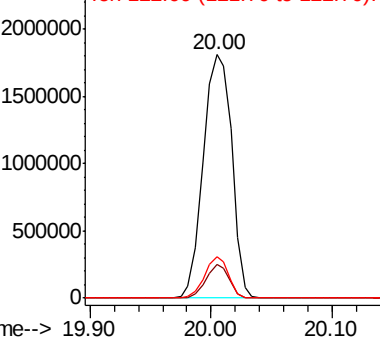


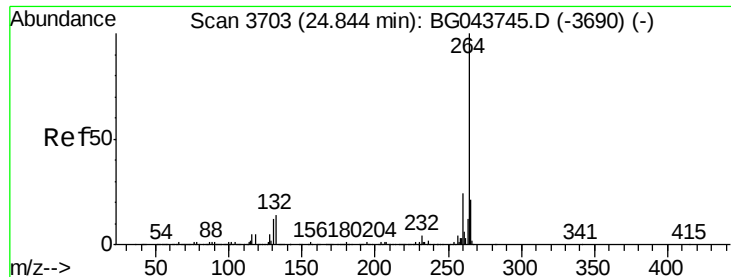
Abundance

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

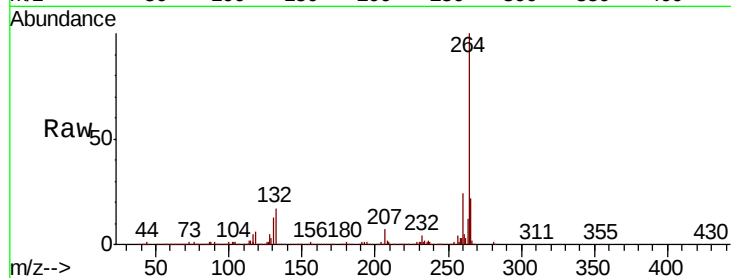




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3699
 Delta R.T. -0.02 min
 Lab File: BG043785.D
 Acq: 27 Nov 2019 1:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.4	17.0	25.6



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

