

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043708.D
 Acq On : 19 Nov 2019 21:31
 Operator : JU
 Sample : K5864-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 02:49:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

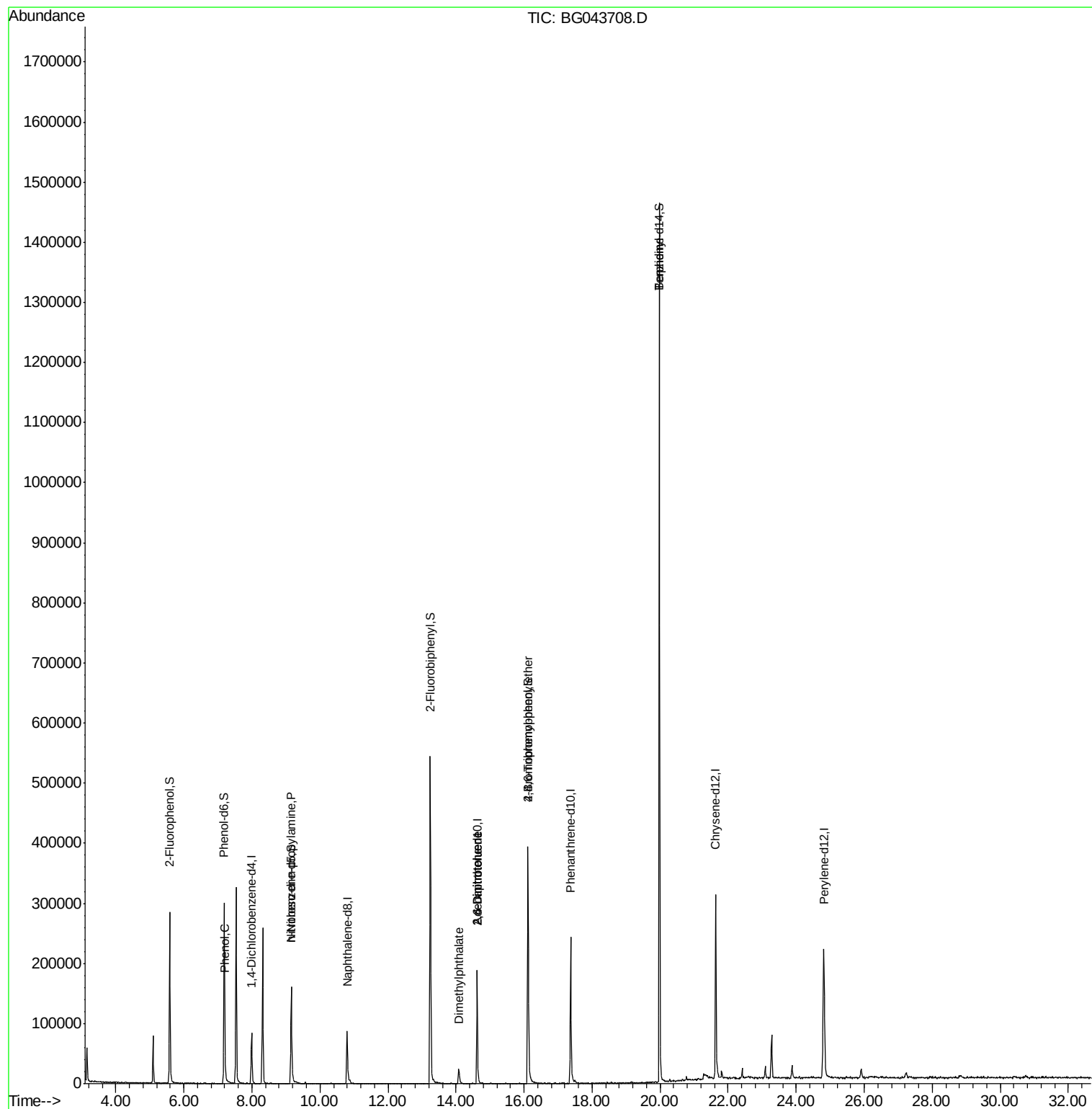
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	25659	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	94909	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	77073	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	198787	20.00	ng	0.00
76) Chrysene-d12	21.63	240	222965	20.00	ng	0.00
87) Perylene-d12	24.81	264	256285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	137583	98.26	ng	0.00
7) Phenol-d6	7.18	99	195292	96.94	ng	0.00
23) Nitrobenzene-d5	9.15	82	121689	66.10	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	108756	74.15	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	343196	61.53	ng	0.00
79) Terphenyl-d14	19.98	244	788538	66.35	ng	0.00
Target Compounds						
10) Phenol	7.21	94	9325	5.065	ng	# 72
19) n-Nitroso-di-n-propylamine	9.15	70	16649	12.789	ng	# 78
50) Dimethylphthalate	14.08	163	27108	4.541	ng	# 99
51) 2,6-Dinitrotoluene	14.62	165	10418	8.033	ng	# 28
57) 2,4-Dinitrotoluene	14.62	165	10418	5.621	ng	# 27
67) 4-Bromophenyl-phenylether	16.12	248	7307	2.731	ng	# 1
77) Benzidine	19.98	184	12081	2.692	ng	# 89

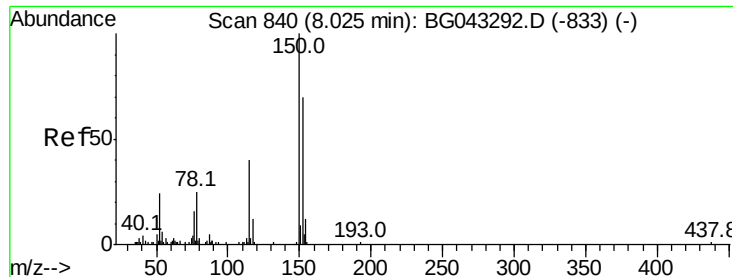
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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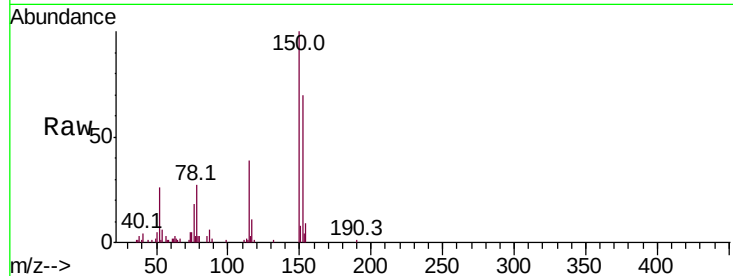


#1

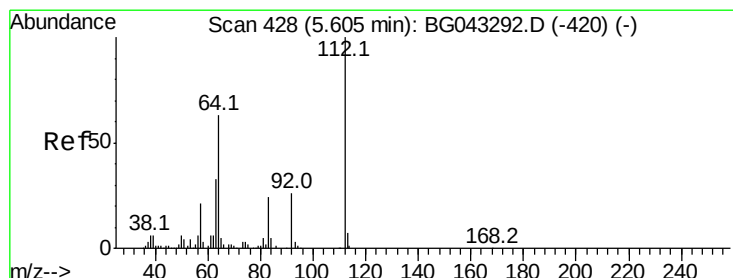
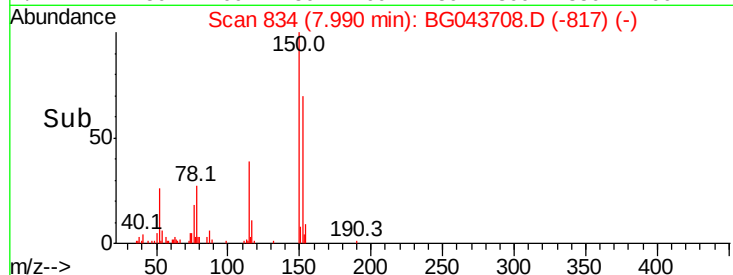
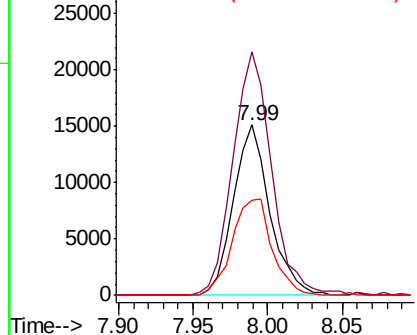
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25659
Ion Ratio Lower Upper
152 100
150 142.8 116.6 175.0
115 55.6 40.5 60.7



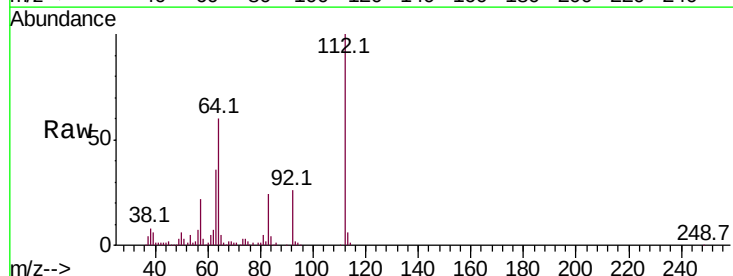
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



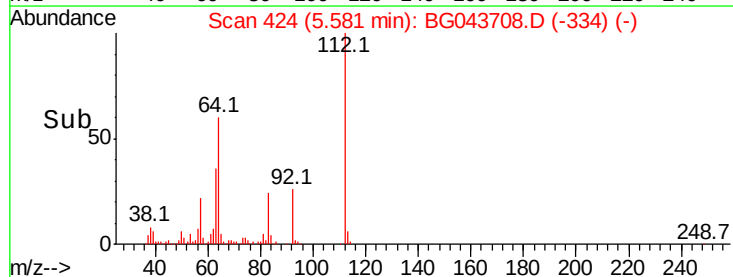
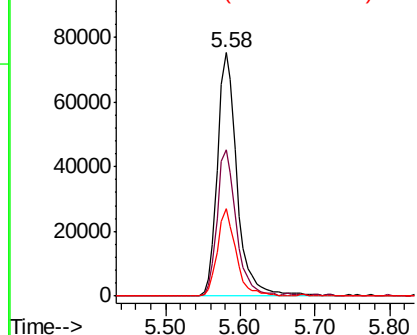
#5

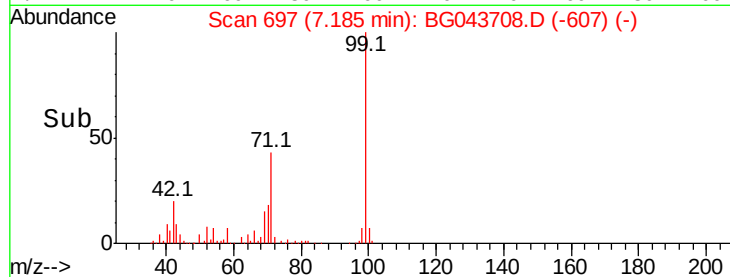
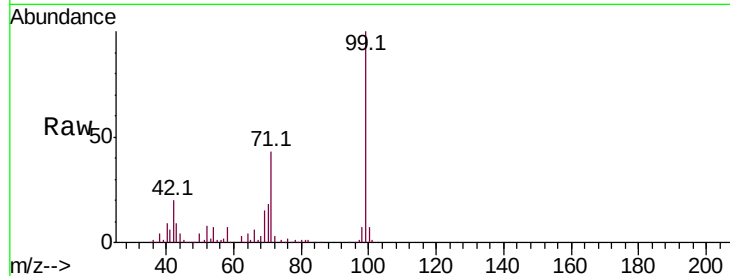
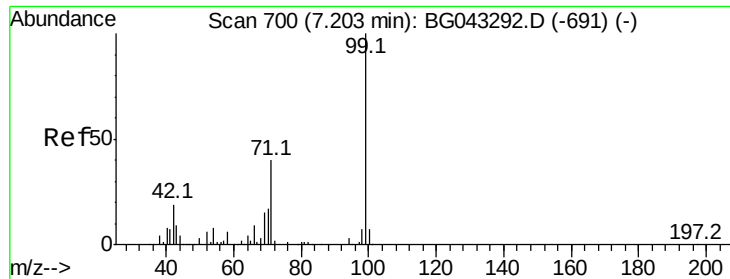
2-Fluorophenol
Concen: 98.255 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

Tgt Ion:112 Resp: 137583
Ion Ratio Lower Upper
112 100
64 59.9 50.6 75.8
63 36.1 30.5 45.7



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: 96.936 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043708.D

Acq: 19 Nov 2019 21:31

Instrument :

BNA_G

ClientSampleId :

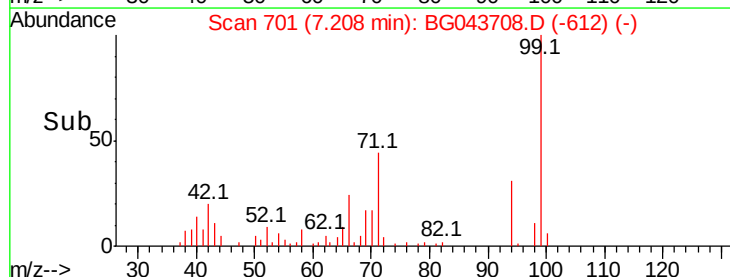
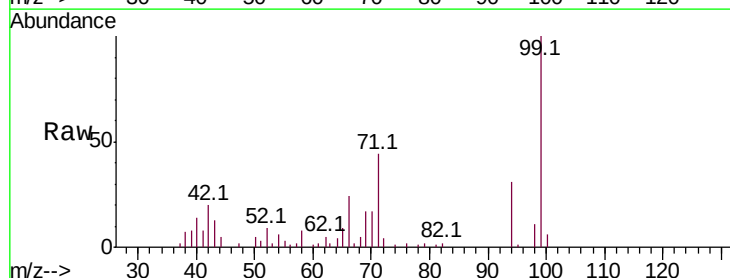
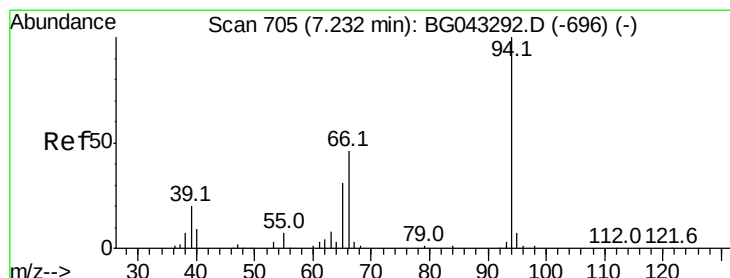
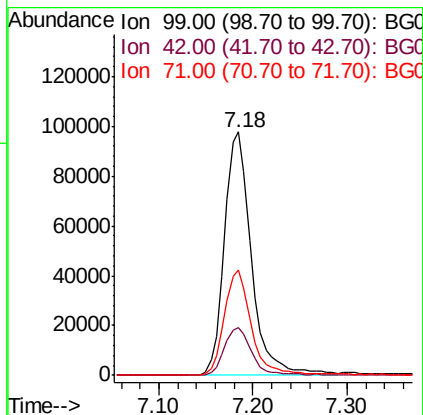
Tot Ion: 99 Resp: 195292

Ion Ratio Lower Upper

99 100

42 19.9 15.8 23.8

71 43.2 34.4 51.6



#10

Phenol

Concen: 5.065 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043708.D

Acq: 19 Nov 2019 21:31

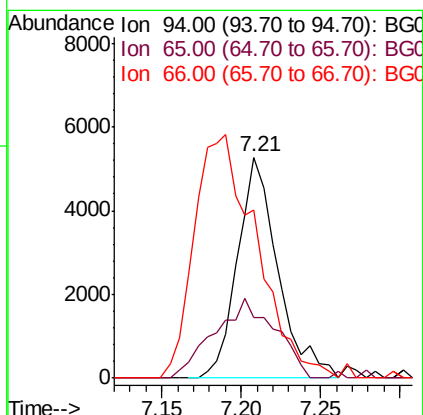
Tgt Ion: 94 Resp: 9325

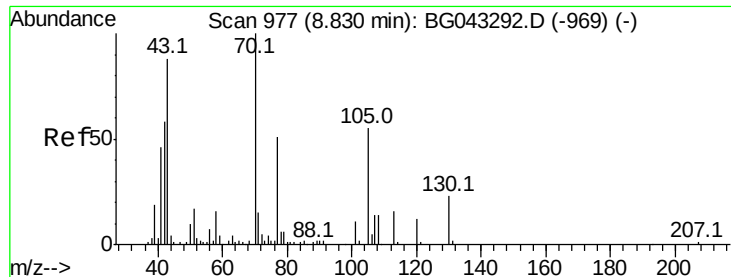
Ion Ratio Lower Upper

94 100

65 27.4 11.4 51.4

66 76.3 28.4 68.4#

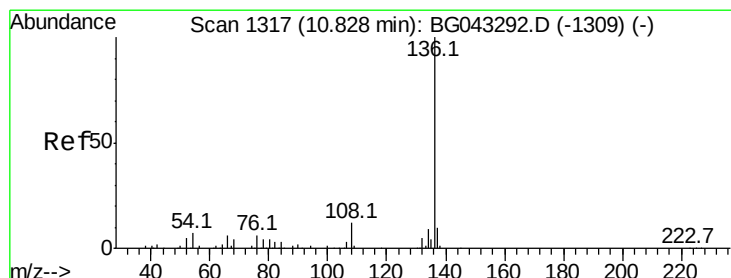
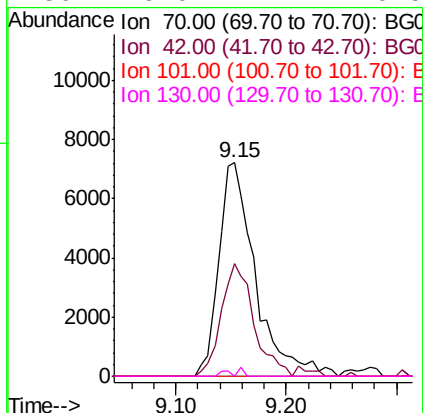
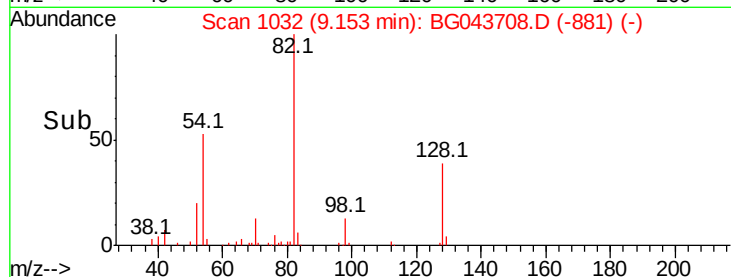
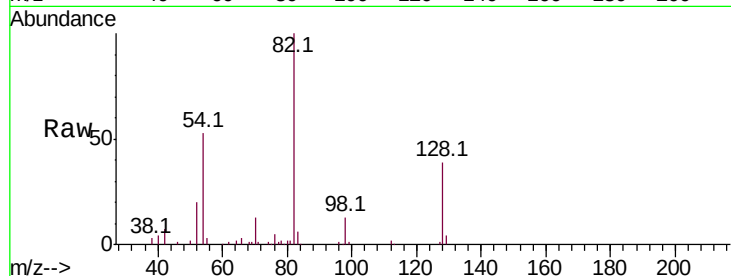




#19
n-Nitroso-di-n-propylamine
Concen: 12.789 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.36 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

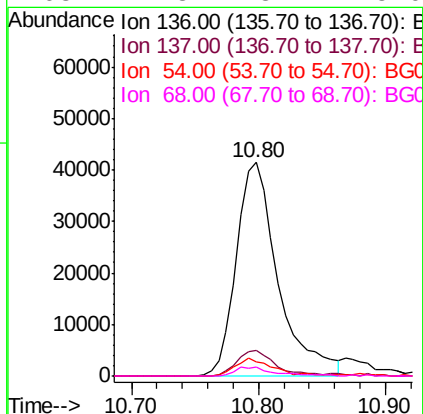
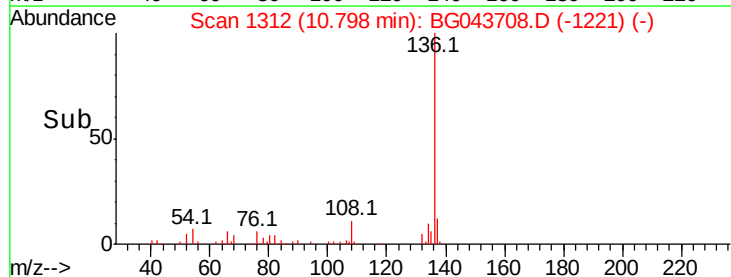
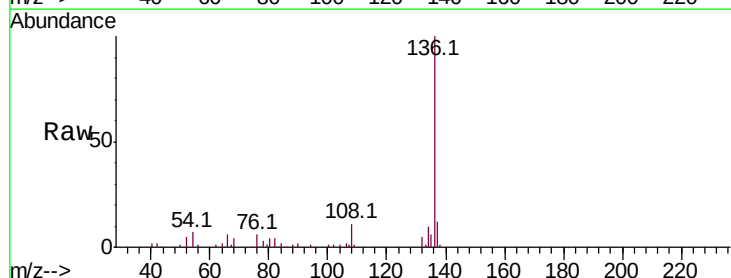
Instrument :
BNA_G
ClientSampled :

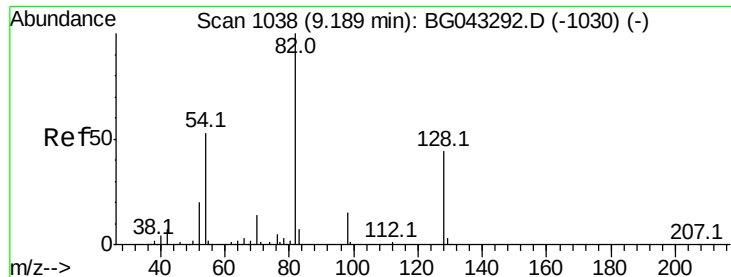
Tot Ion: 70 Resp: 16649
Ion Ratio Lower Upper
70 100
42 52.9 49.7 74.5
101 0.0 9.7 14.5#
130 0.0 17.7 26.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

Tgt Ion:136 Resp: 94909
Ion Ratio Lower Upper
136 100
137 11.8 8.8 13.2
54 6.7 6.2 9.2
68 4.3 3.4 5.0

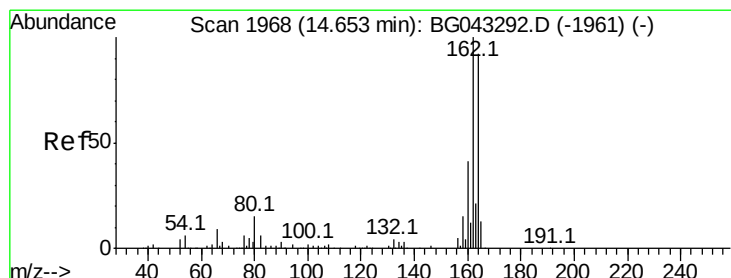
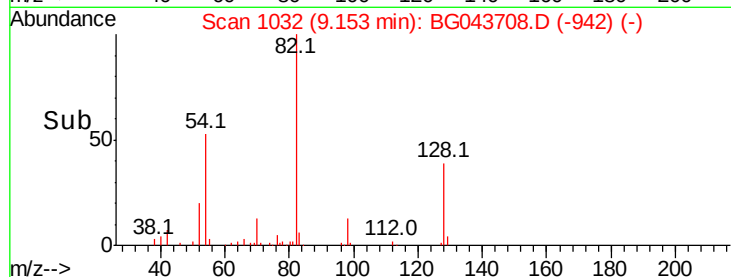
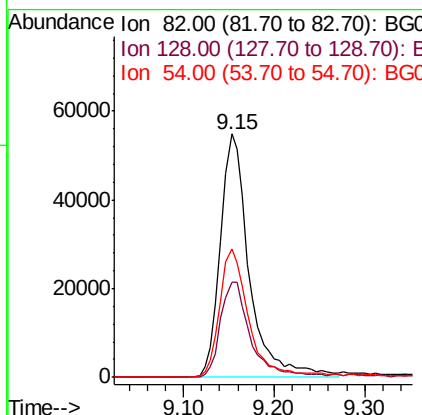
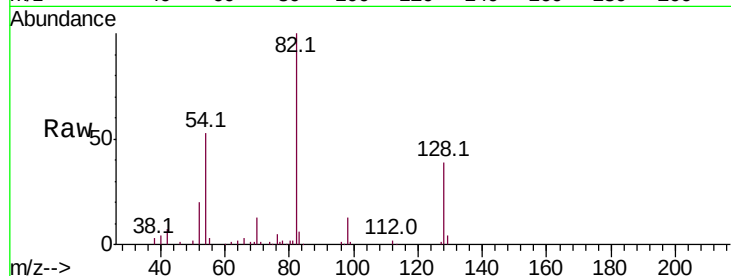




#23
 Nitrobenzene-d5
 Concen: 66.101 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BG043708.D
 Acq: 19 Nov 2019 21:31

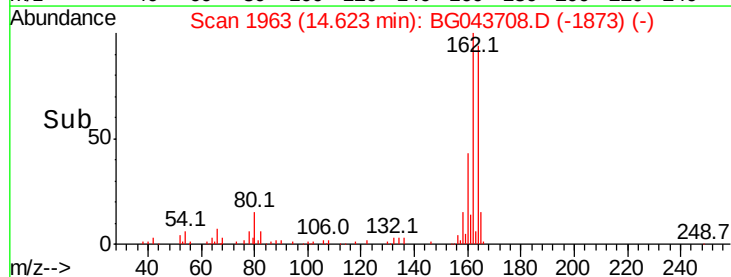
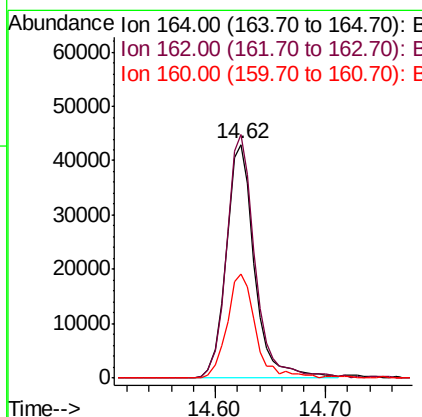
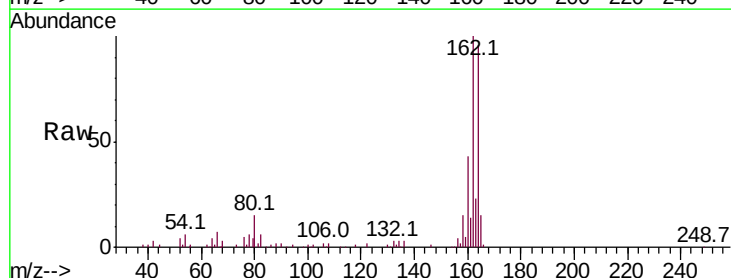
Instrument :
 BNA_G
 ClientSampleId :

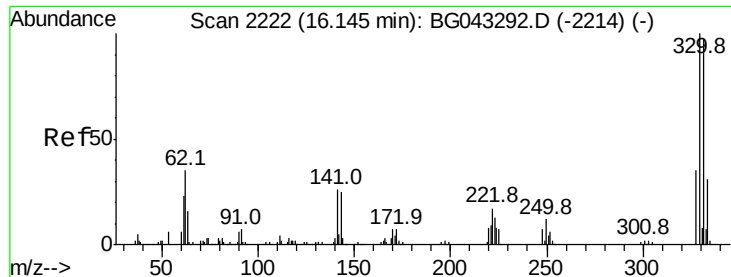
Tot Ion	82	Resp	121689
Ion Ratio	Lower	Upper	
82	100		
128	39.0	34.2	51.4
54	52.9	44.7	67.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: BG043708.D
 Acq: 19 Nov 2019 21:31

Tgt Ion	164	Resp	77073
Ion Ratio	Lower	Upper	
164	100		
162	104.3	79.4	119.2
160	44.8	36.3	54.5

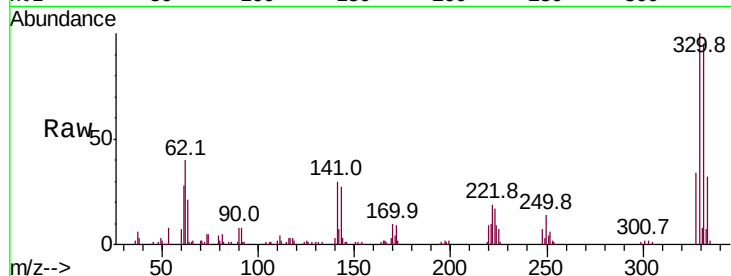




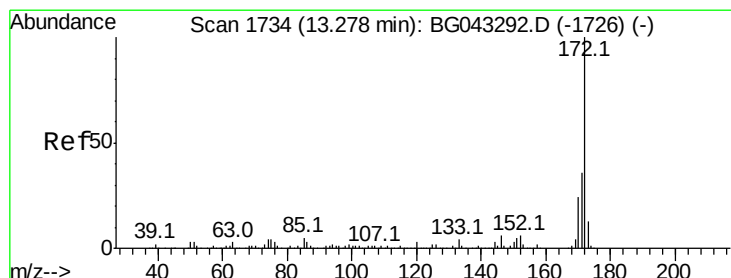
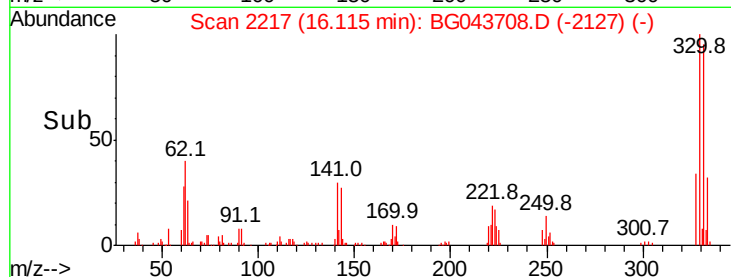
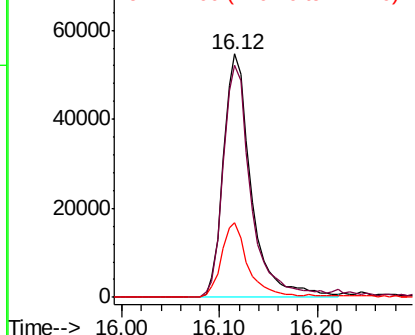
#42
 2,4,6-Tribromophenol
 Concen: 74.150 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG043708.D
 Acq: 19 Nov 2019 21:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	29.0	23.4	35.2

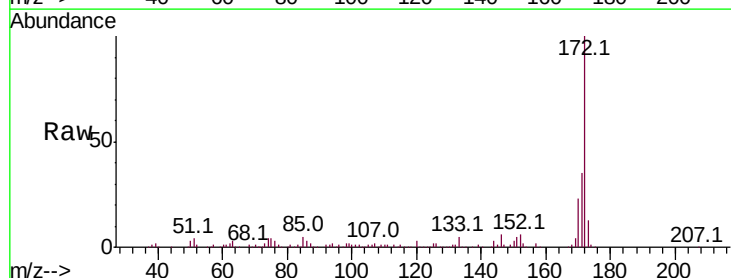


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

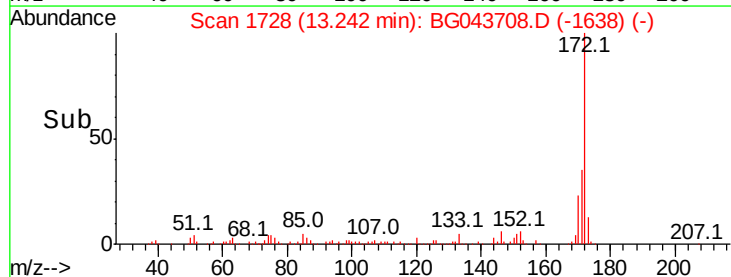
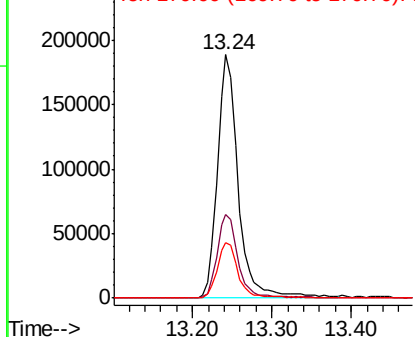


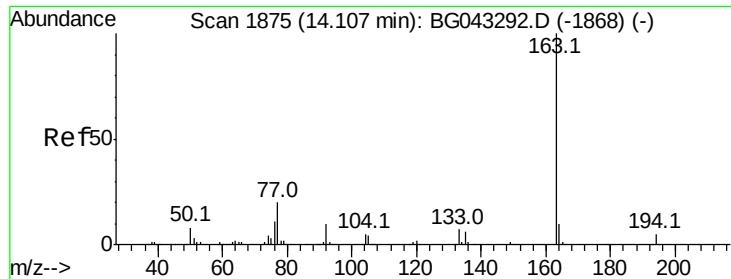
#45
 2-Fluorobiphenyl
 Concen: 61.530 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043708.D
 Acq: 19 Nov 2019 21:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	22.9	18.8	28.2



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

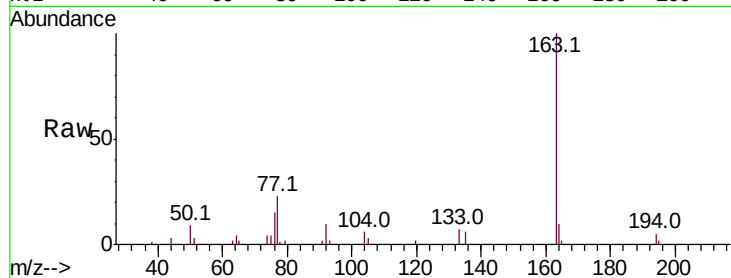




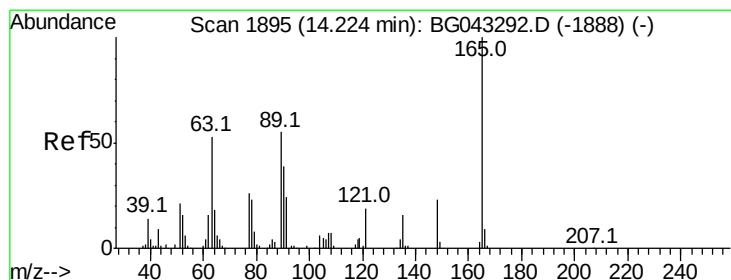
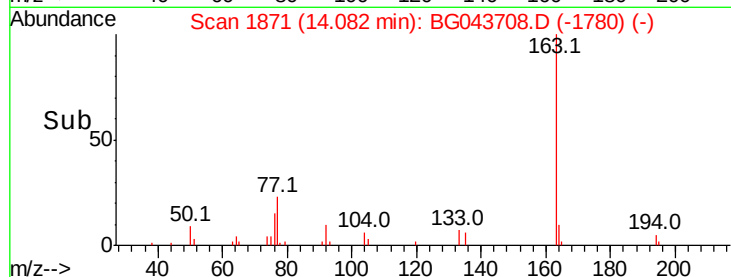
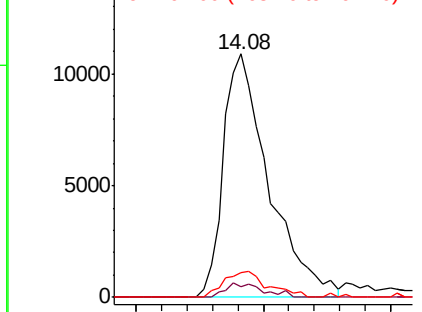
#50
Dimethylphthalate
Concen: 4.541 ng
RT: 14.08 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 27108
Ion Ratio Lower Upper
163 100
194 4.6 3.8 5.8
164 9.9 8.5 12.7

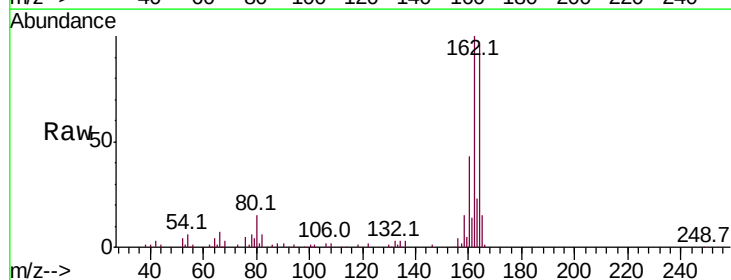


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

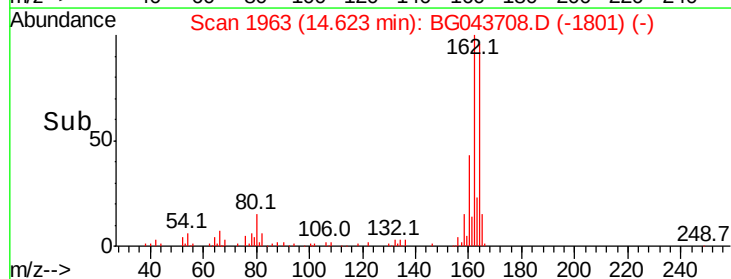
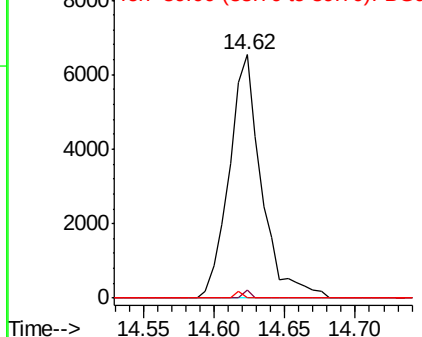


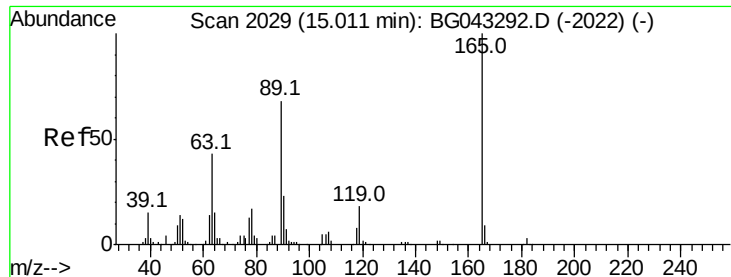
#51
2,6-Dinitrotoluene
Concen: 8.033 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.42 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

Tgt Ion:165 Resp: 10418
Ion Ratio Lower Upper
165 100
63 3.2 45.0 67.6#
89 0.0 39.8 59.8#



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





#57

2,4-Dinitrotoluene

Concen: 5.621 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.37 min

Lab File: BG043708.D

Acq: 19 Nov 2019 21:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 10418

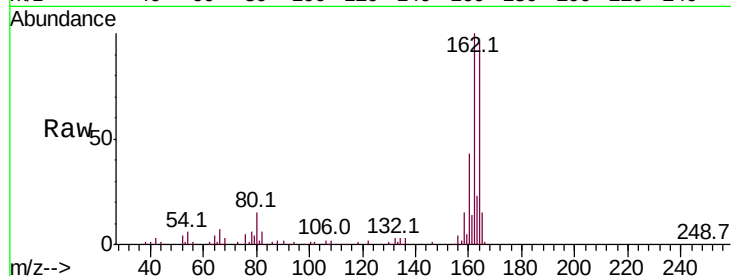
Ion Ratio Lower Upper

165 100

63 3.2 37.4 56.0#

89 0.0 50.9 76.3#

182 0.0 2.3 3.5#

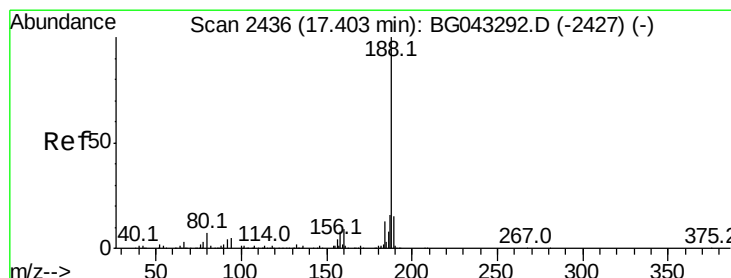
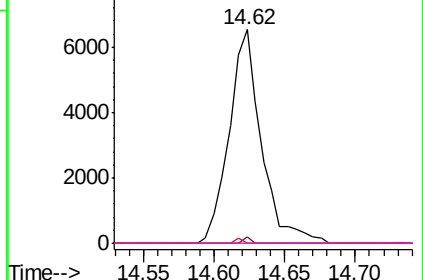
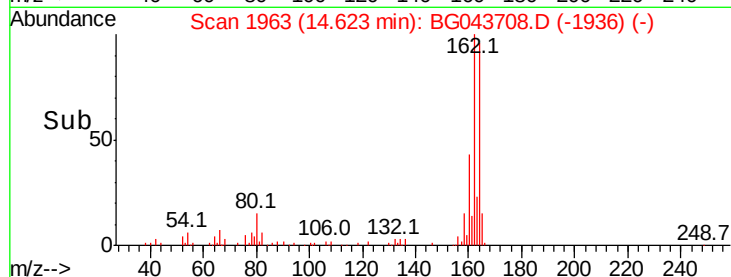


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2430

Delta R.T. -0.00 min

Lab File: BG043708.D

Acq: 19 Nov 2019 21:31

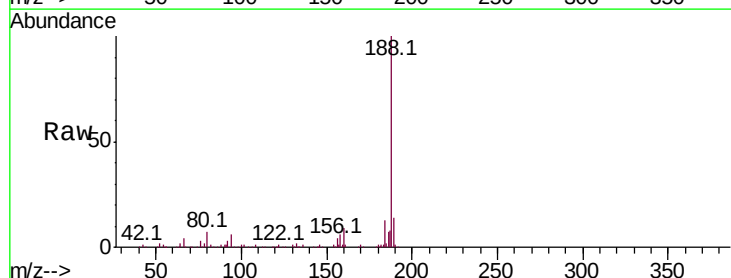
Tgt Ion:188 Resp: 198787

Ion Ratio Lower Upper

188 100

94 5.6 4.6 7.0

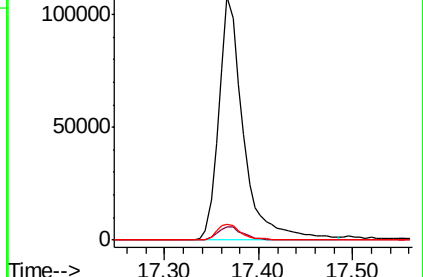
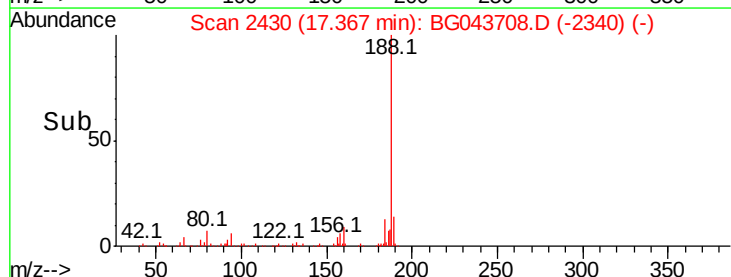
80 6.6 5.2 7.8

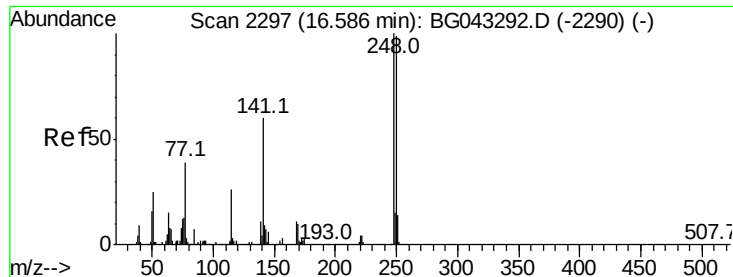


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

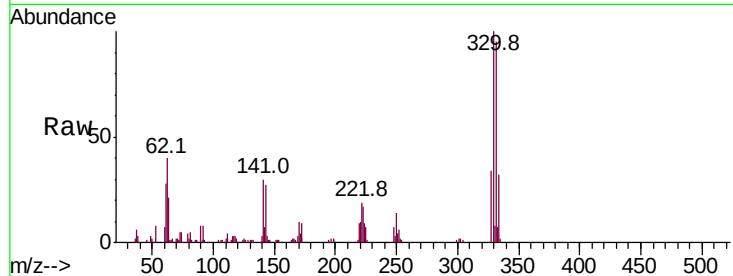




#67
4-Bromophenyl-phenylether
Concen: 2.731 ng
RT: 16.12 min Scan# 2217
Delta R.T. -0.44 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	204.3	76.3	114.5#
141	430.9	49.5	74.3#

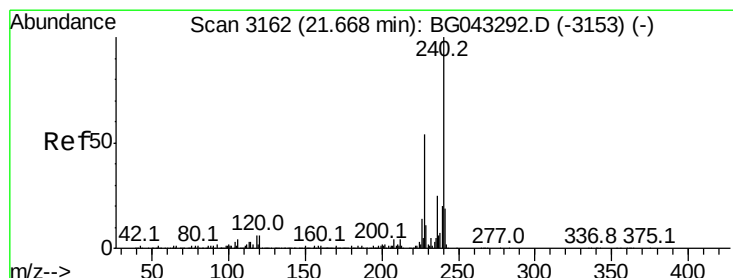
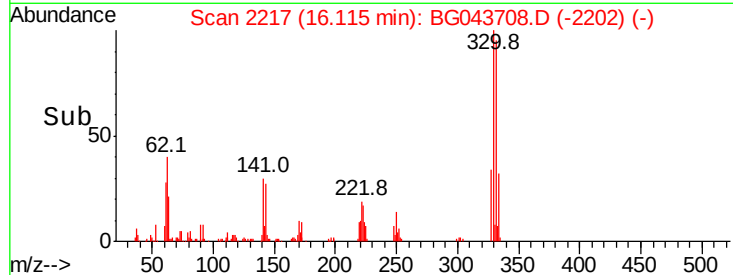
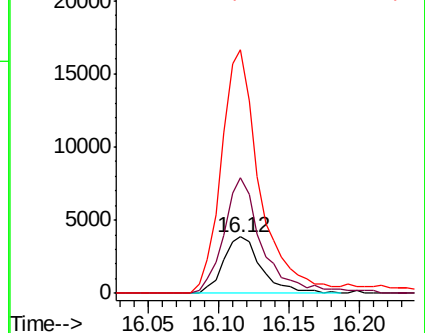


Abundance

Ion 248.00 (247.70 to 248.70): E

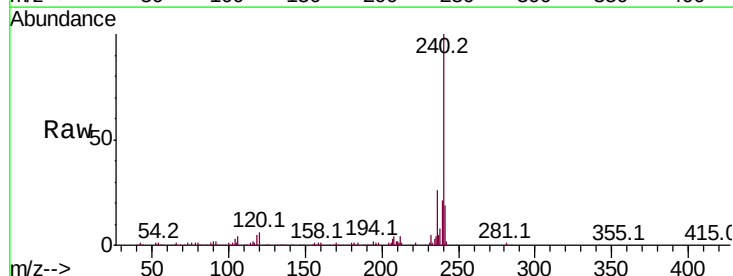
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG043708.D
Acq: 19 Nov 2019 21:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.4	4.9	7.3
236	25.5	21.4	32.0

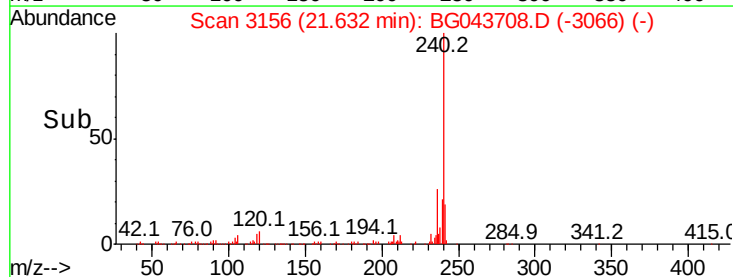
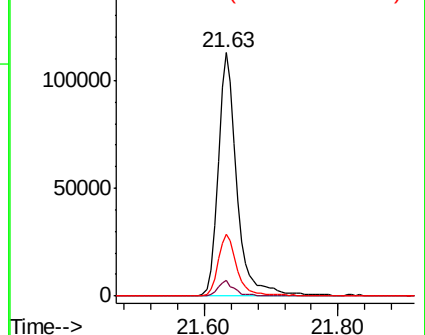


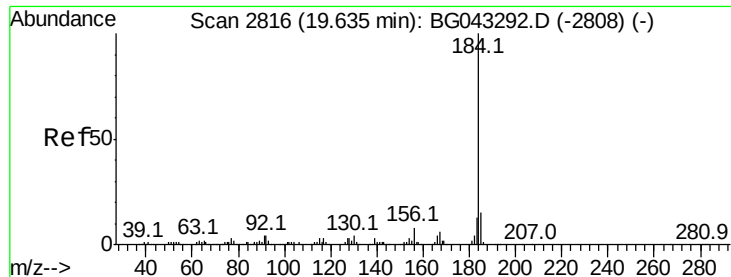
Abundance

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: 2.692 ng

RT: 19.98 min Scan# 2874

Delta R.T. 0.36 min

Lab File: BG043708.D

Acq: 19 Nov 2019 21:31

Instrument :

BNA_G

ClientSampleId :

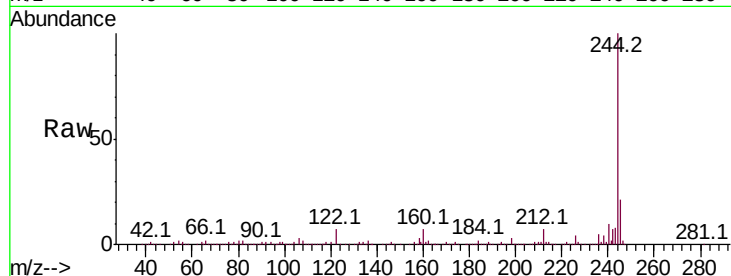
Tot Ion:184 Resp: 12081

Ion Ratio Lower Upper

184 100

185 19.5 12.7 19.1#

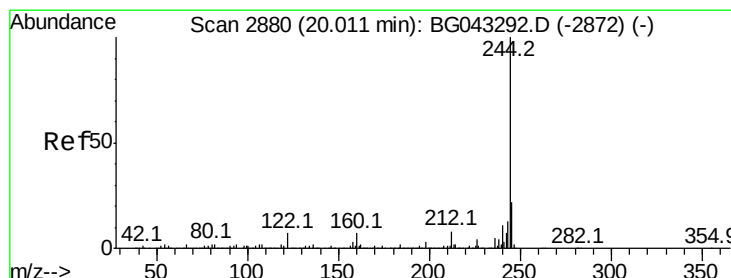
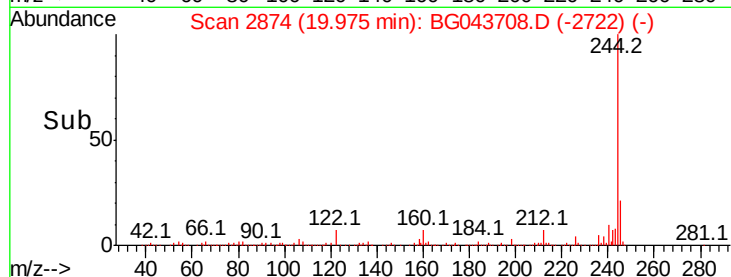
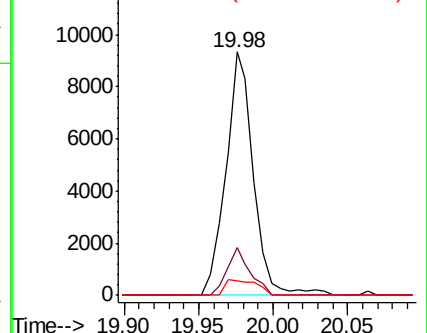
183 5.8 8.8 13.2#



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: 66.349 ng

RT: 19.98 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043708.D

Acq: 19 Nov 2019 21:31

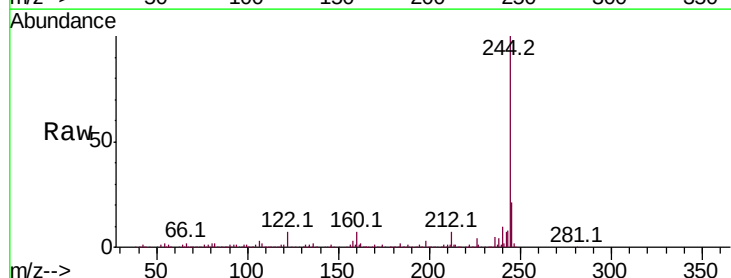
Tgt Ion:244 Resp: 788538

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

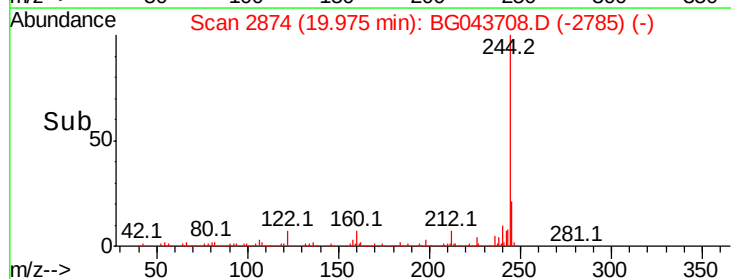
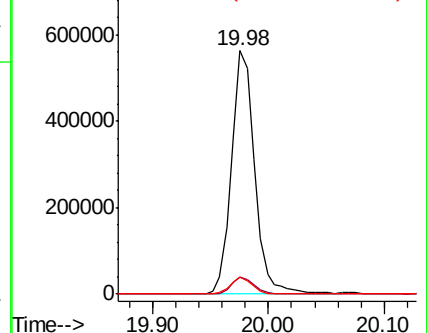
122 6.9 5.2 7.8

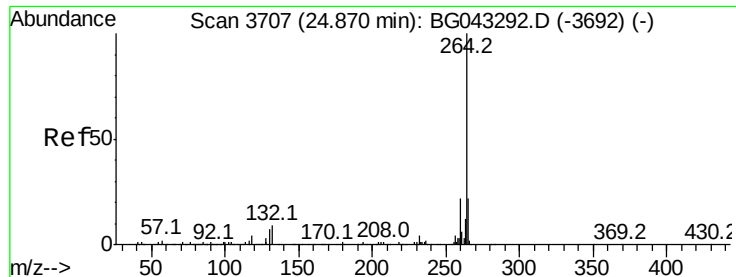


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

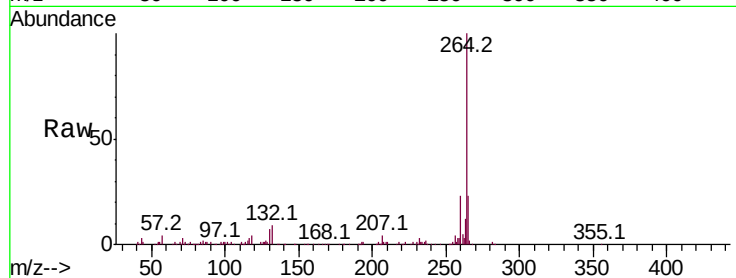




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: BG043708.D
 Acq: 19 Nov 2019 21:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	23.1	15.8	23.8



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

