

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043687.D
 Acq On : 19 Nov 2019 00:09
 Operator : JU
 Sample : K5863-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 01:42:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

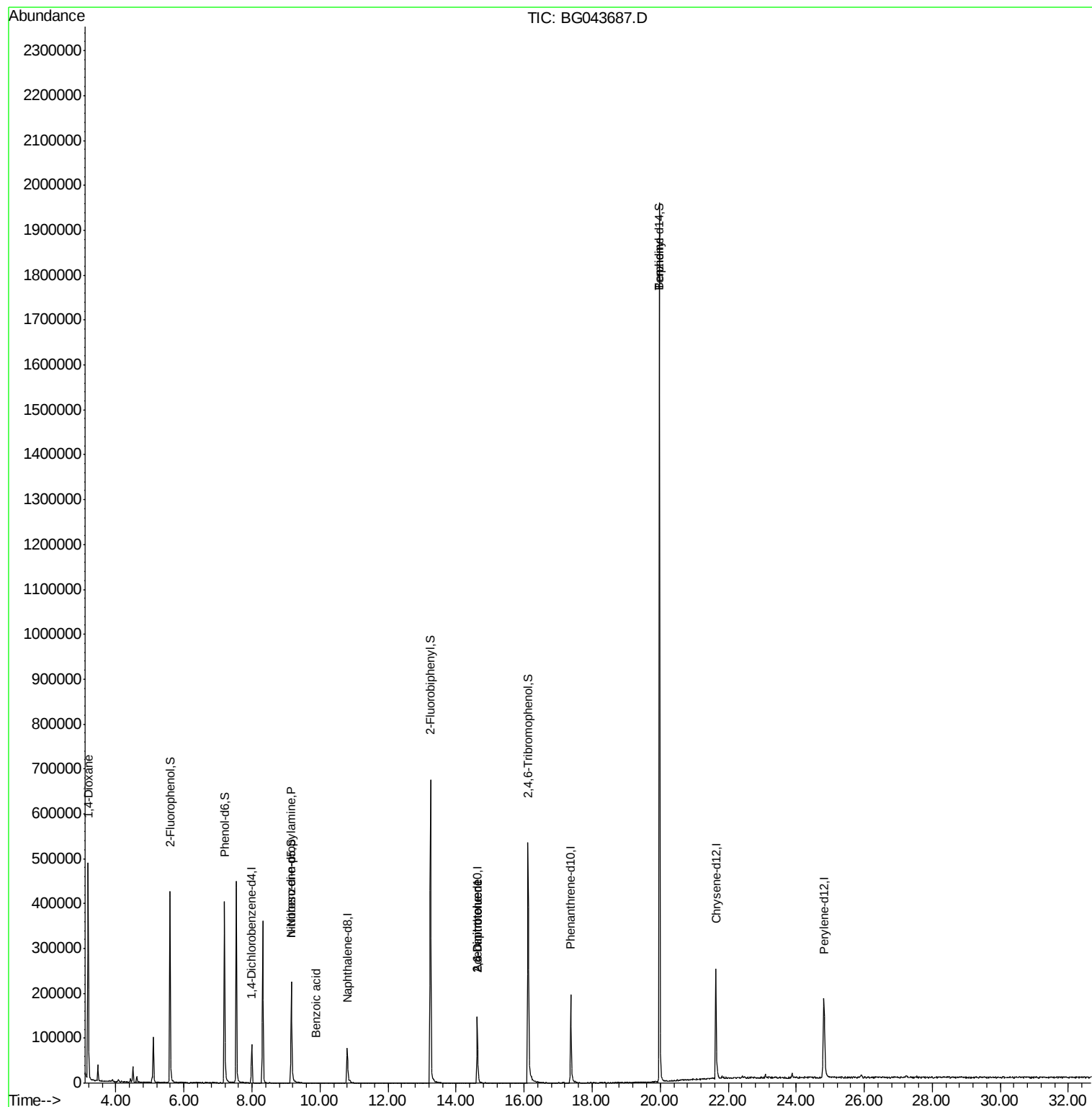
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	26356	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	92651	20.00	ng	-0.01
39) Acenaphthene-d10	14.62	164	65264	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	167305	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	195795	20.00	ng	-0.02
87) Perylene-d12	24.81	264	227867	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	192071	133.54	ng	0.00
7) Phenol-d6	7.19	99	255469	123.45	ng	0.00
23) Nitrobenzene-d5	9.16	82	156125	86.87	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	153101	123.27	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	423338	89.63	ng	-0.02
79) Terphenyl-d14	19.98	244	1021206	97.85	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.19	88	4899	8.741	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	21278	15.913	ng	# 84
32) Benzoic acid	9.89	122	66	9.108	ng	# 1
51) 2,6-Dinitrotoluene	14.62	165	8834	8.044	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	8834	5.629	ng	# 25
77) Benzidine	19.98	184	14750	3.743	ng	# 95

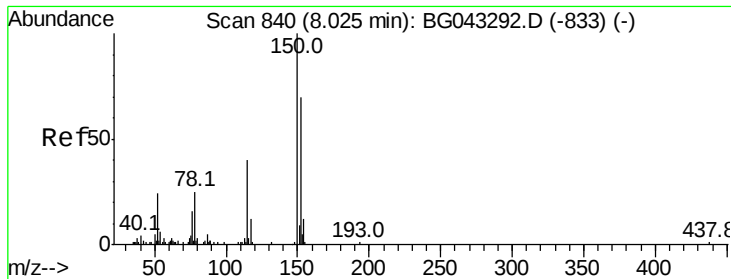
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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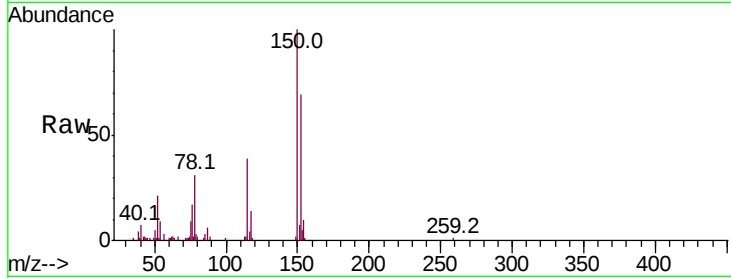


#1

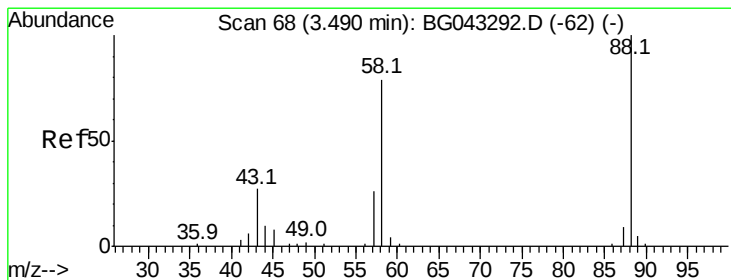
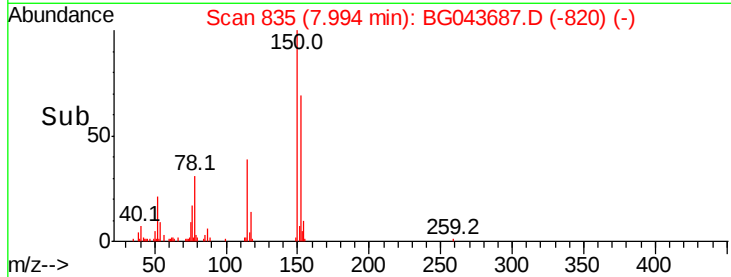
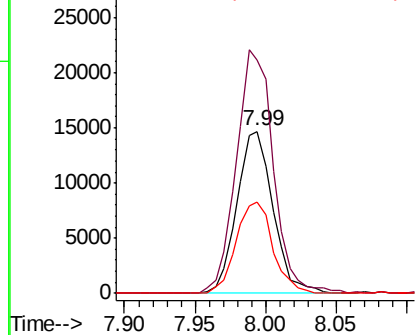
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043687.D
Acq: 19 Nov 2019 00:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26356
Ion Ratio Lower Upper
152 100
150 144.5 129.4 194.0
115 56.7 48.8 73.2



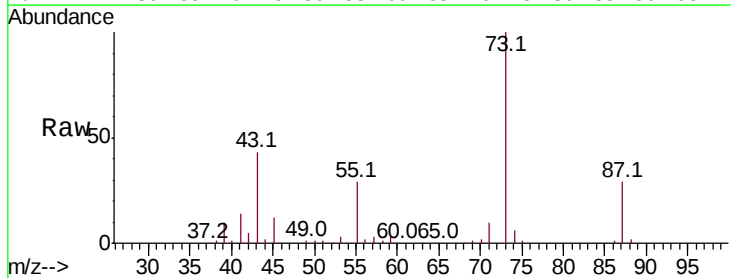
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



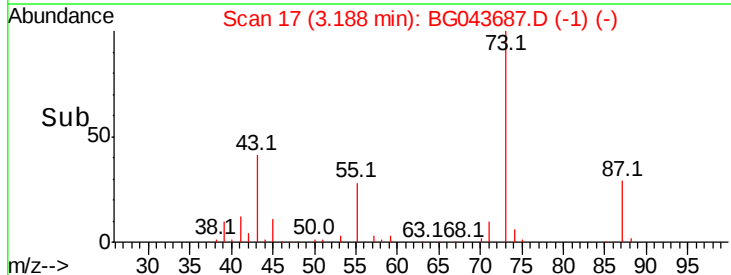
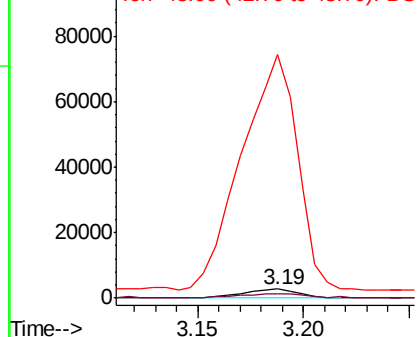
#2

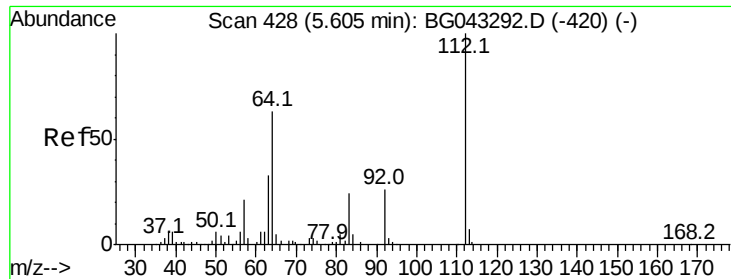
1,4-Dioxane
Concen: 8.741 ng
RT: 3.19 min Scan# 17
Delta R.T. -0.28 min
Lab File: BG043687.D
Acq: 19 Nov 2019 00:09

Tgt Ion: 88 Resp: 4899
Ion Ratio Lower Upper
88 100
58 64.6 62.7 94.1
43 2824.2 23.7 35.5#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 133.541 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG043687.D

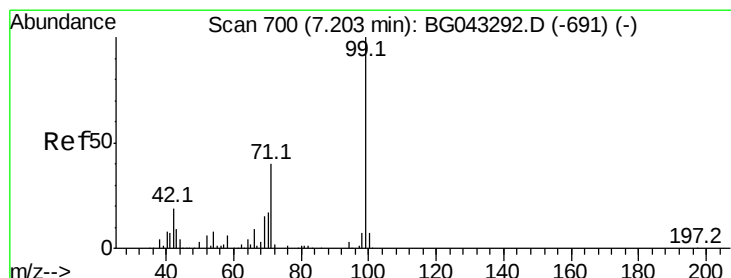
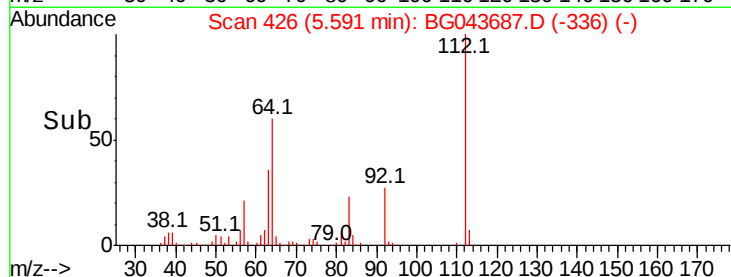
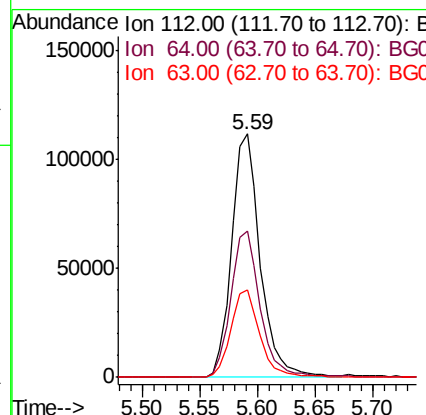
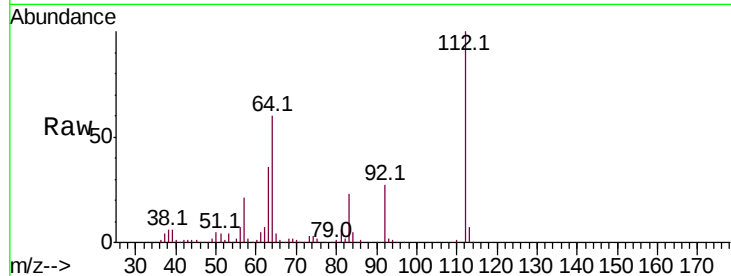
Acq: 19 Nov 2019 00:09

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	192071
Ion	Ratio	Lower	Upper
112	100		
64	59.9	50.0	75.0
63	36.1	26.6	40.0



#7

Phenol-d6

Concen: 123.453 ng

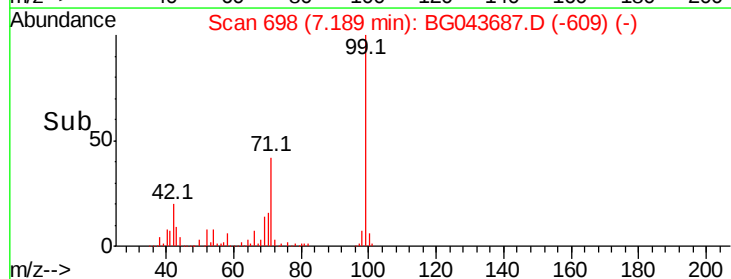
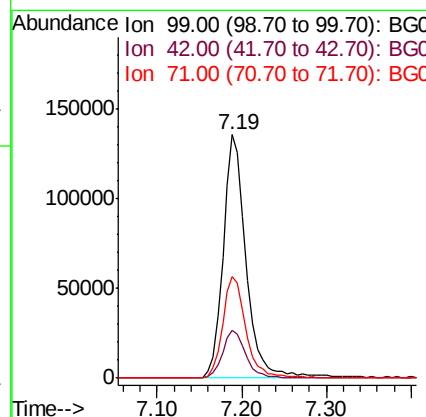
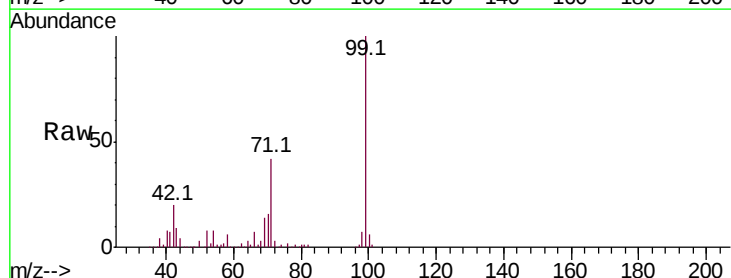
RT: 7.19 min Scan# 698

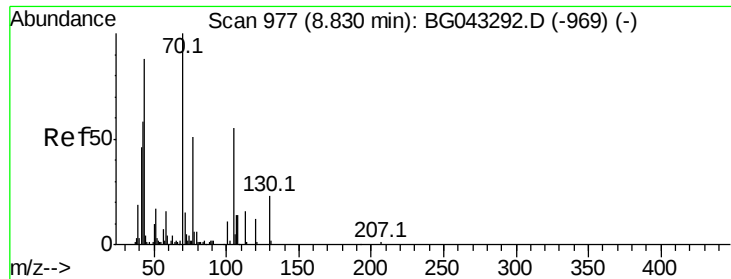
Delta R.T. -0.01 min

Lab File: BG043687.D

Acq: 19 Nov 2019 00:09

Tgt Ion:	99	Resp:	255469
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.6	21.8
71	41.5	32.5	48.7

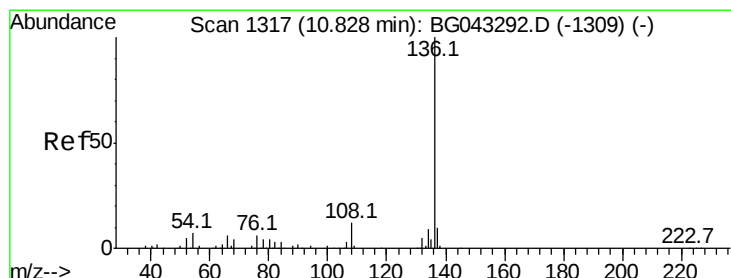
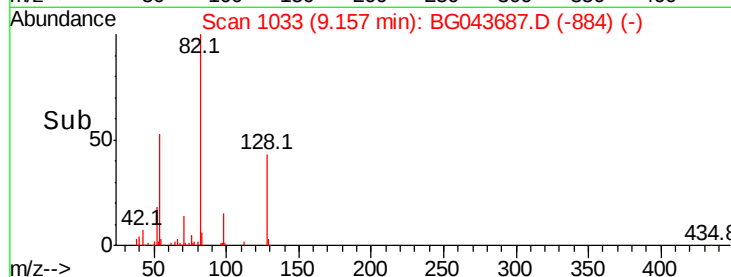
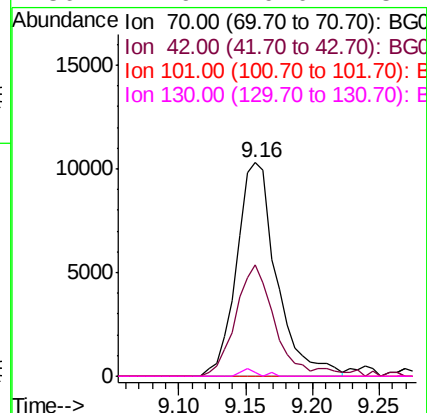
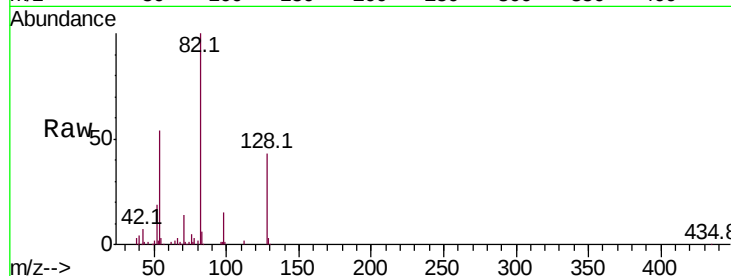




#19
n-Nitroso-di-n-propylamine
Concen: 15.913 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG043687.D
Acq: 19 Nov 2019 00:09

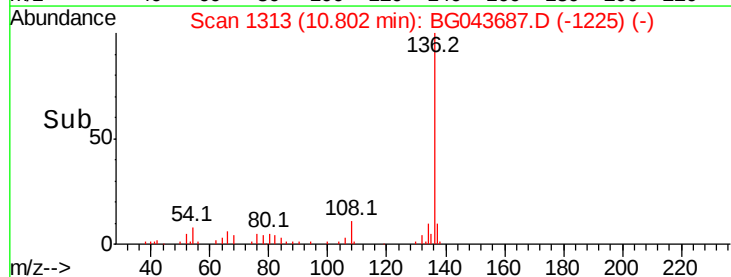
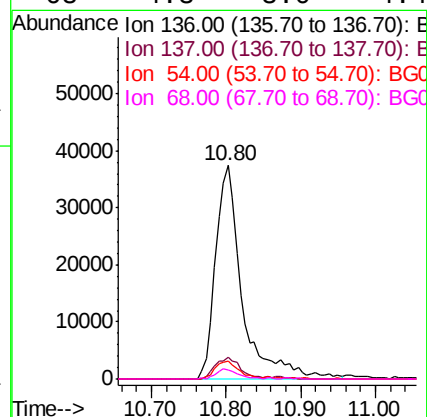
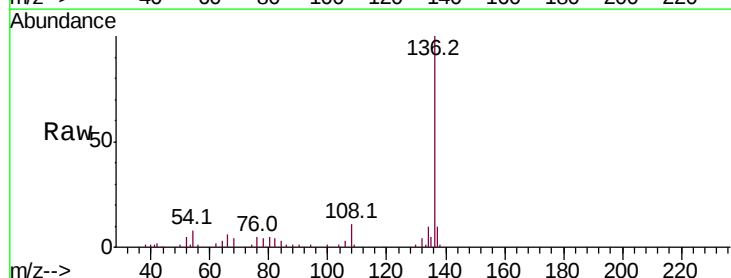
Instrument :
BNA_G
ClientSampleId :

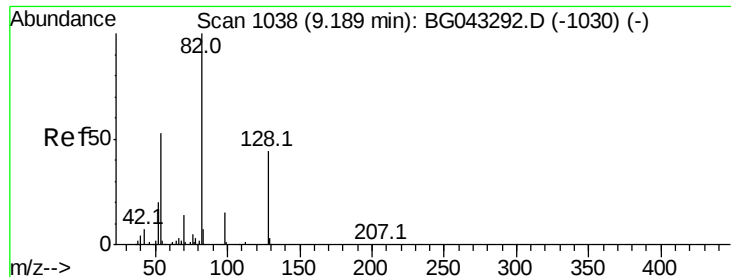
Tot Ion: 70 Resp: 21278
Ion Ratio Lower Upper
70 100
42 52.4 41.4 62.2
101 0.0 7.9 11.9#
130 1.9 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043687.D
Acq: 19 Nov 2019 00:09

Tgt Ion: 136 Resp: 92651
Ion Ratio Lower Upper
136 100
137 10.0 8.7 13.1
54 8.3 5.4 8.2#
68 4.3 3.0 4.4

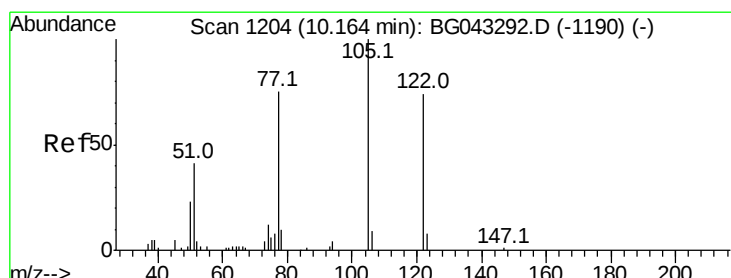
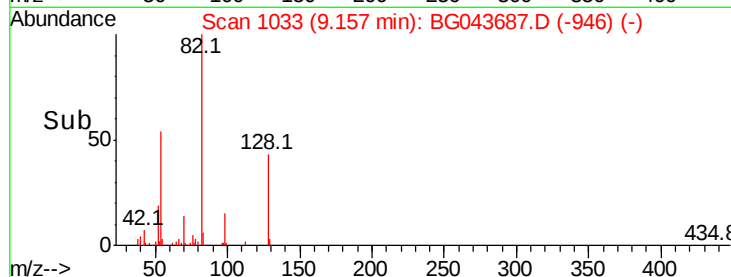
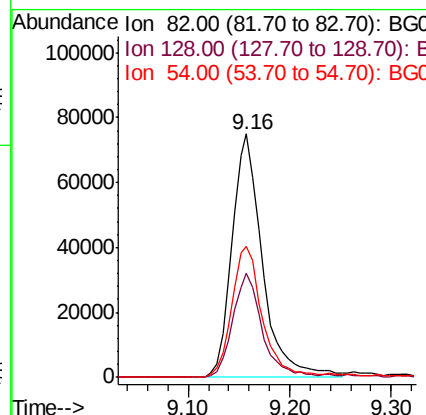
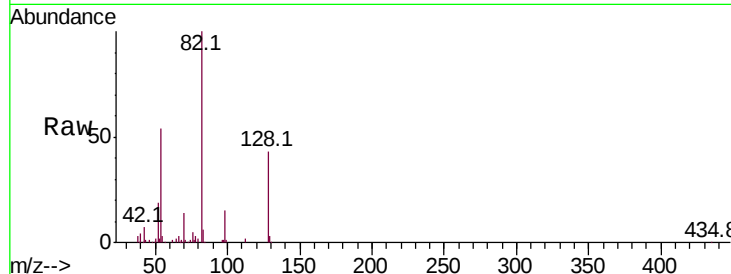




#23
 Nitrobenzene-d5
 Concen: 86.874 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BG043687.D
 Acq: 19 Nov 2019 00:09

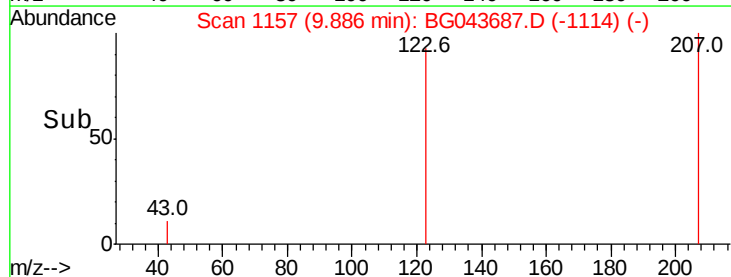
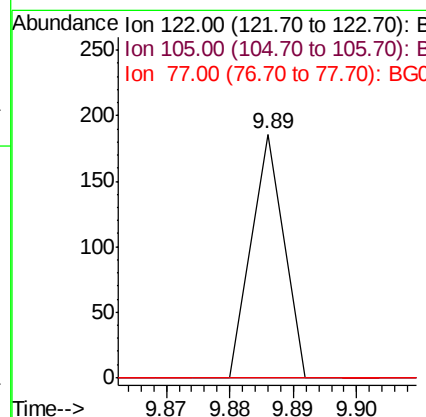
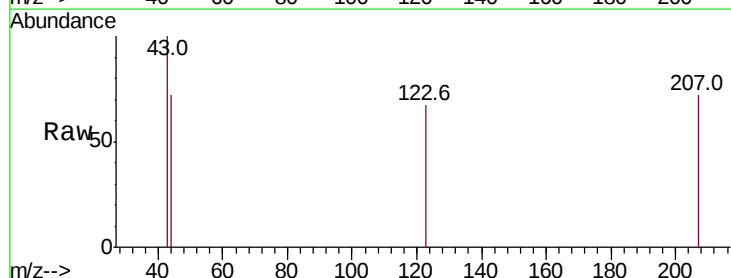
Instrument :
 BNA_G
 ClientSampleId :

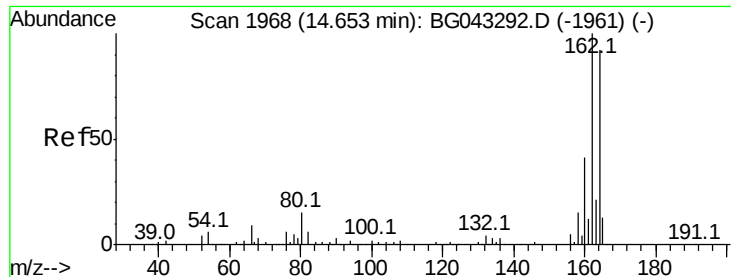
Tot Ion	82	Resp	156125
Ion Ratio	100	Lower	Upper
128	42.6	35.0	52.6
54	53.6	40.2	60.2



#32
 Benzoic acid
 Concen: 9.108 ng
 RT: 9.89 min Scan# 1157
 Delta R.T. -0.28 min
 Lab File: BG043687.D
 Acq: 19 Nov 2019 00:09

Tgt Ion	122	Resp	66
Ion Ratio	100	Lower	Upper
105	0.0	103.3	143.3#
77	0.0	84.9	124.9#

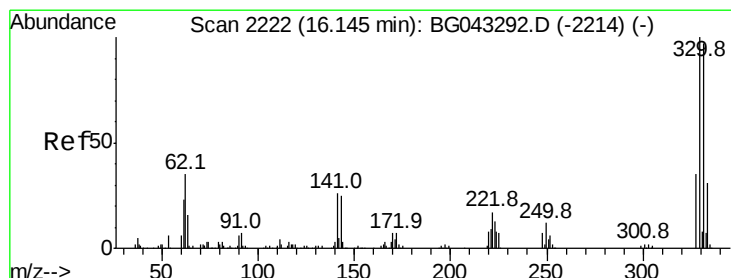
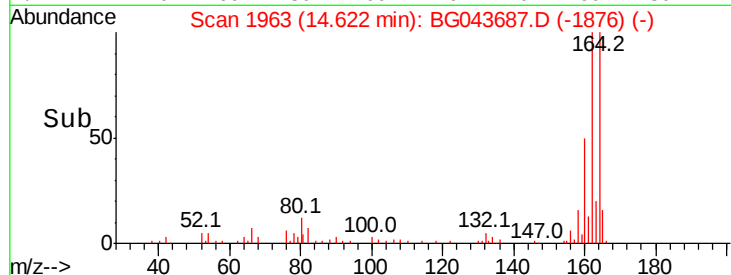
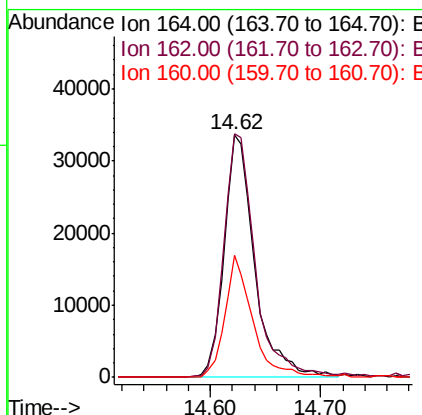
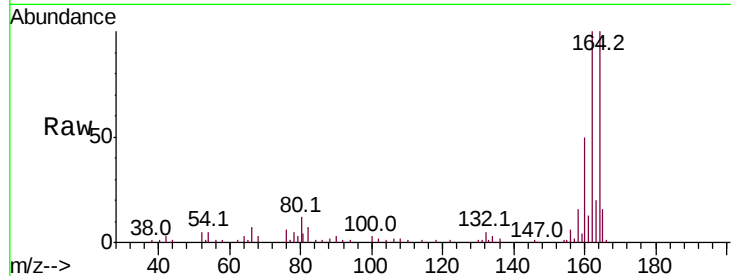




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043687.D
Acq: 19 Nov 2019 00:09

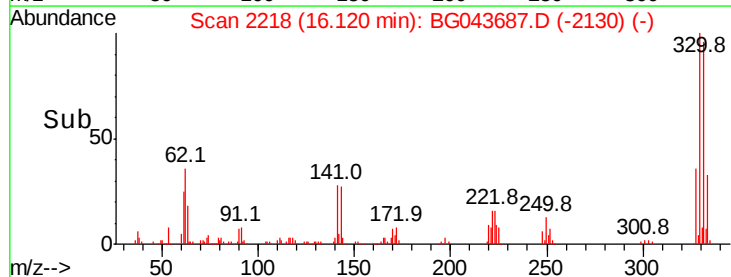
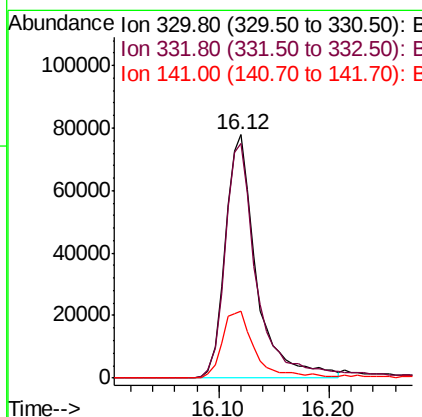
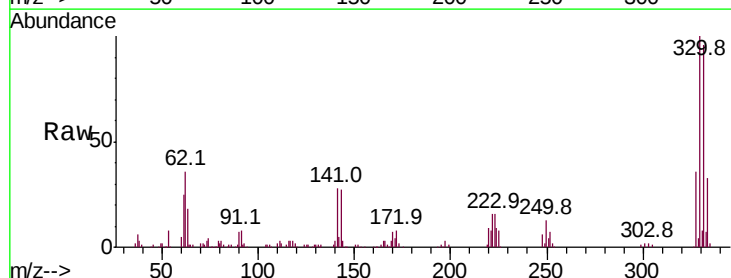
Instrument :
BNA_G
ClientSampleId :

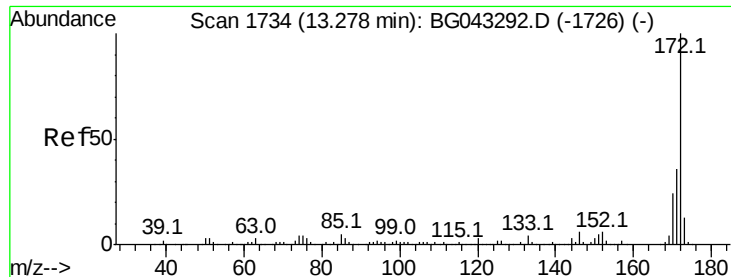
Tot Ion:164 Resp: 65264
Ion Ratio Lower Upper
164 100
162 100.5 83.5 125.3
160 50.5 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 123.272 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BG043687.D
Acq: 19 Nov 2019 00:09

Tgt Ion:330 Resp: 153101
Ion Ratio Lower Upper
330 100
332 101.7 77.4 116.0
141 29.1 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 89.631 ng

RT: 13.25 min Scan# 1729

Delta R.T. -0.02 min

Lab File: BG043687.D

Acq: 19 Nov 2019 00:09

Instrument :

BNA_G

ClientSampleId :

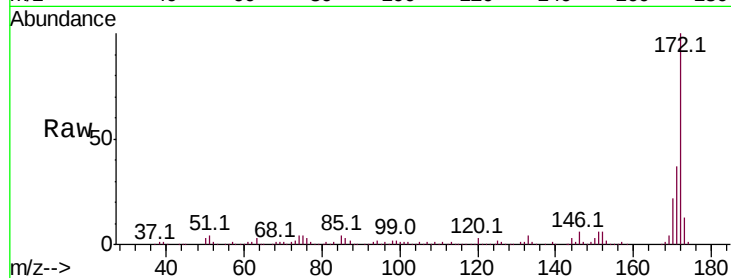
Tot Ion:172 Resp: 423338

Ion Ratio Lower Upper

172 100

171 37.2 28.9 43.3

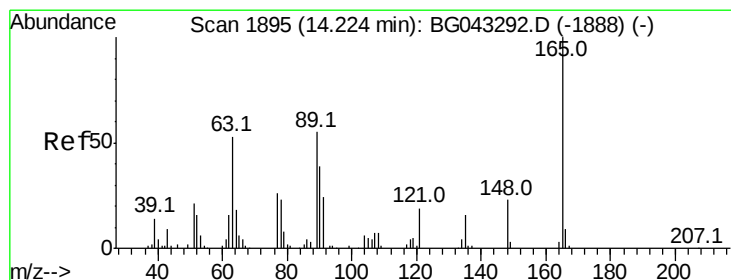
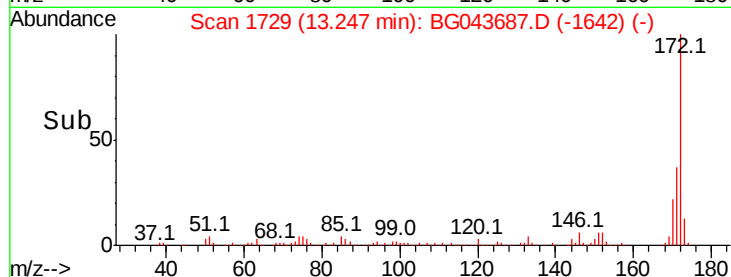
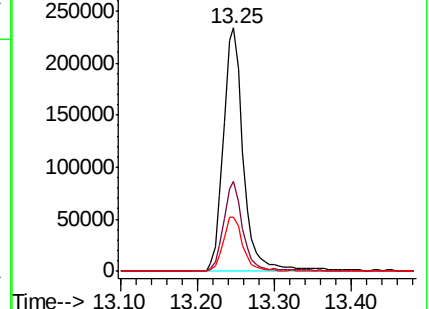
170 22.3 18.5 27.7



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: 8.044 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.41 min

Lab File: BG043687.D

Acq: 19 Nov 2019 00:09

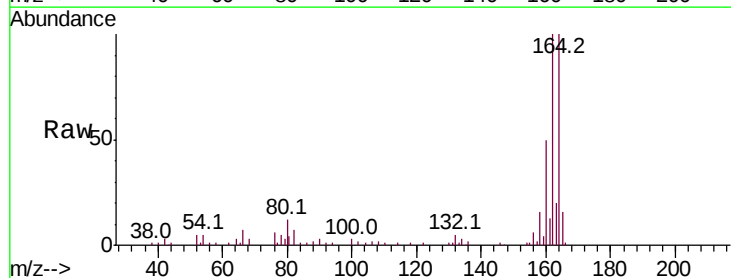
Tgt Ion:165 Resp: 8834

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

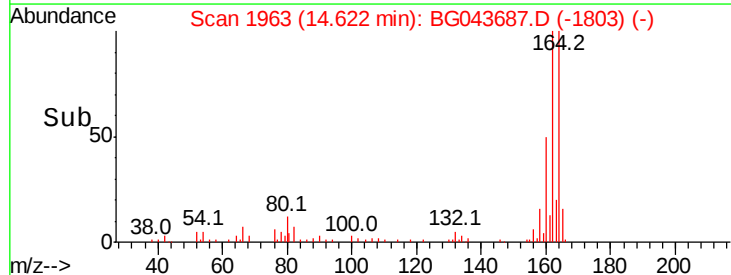
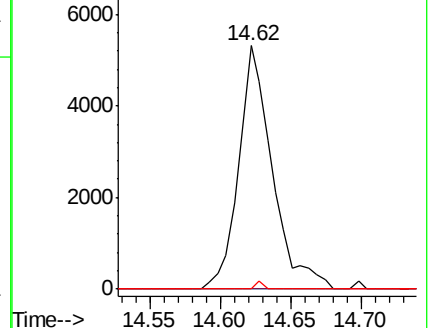
89 0.0 45.1 67.7#

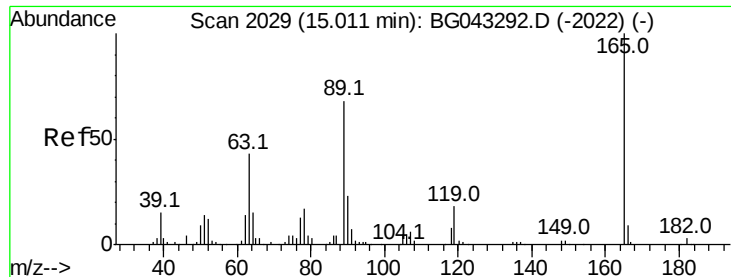


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

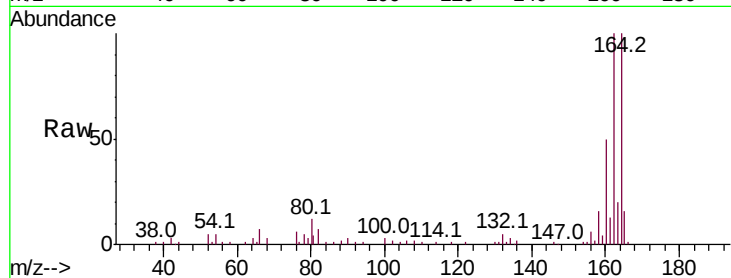




#57
 2,4-Dinitrotoluene
 Concen: 5.629 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043687.D
 Acq: 19 Nov 2019 00:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#



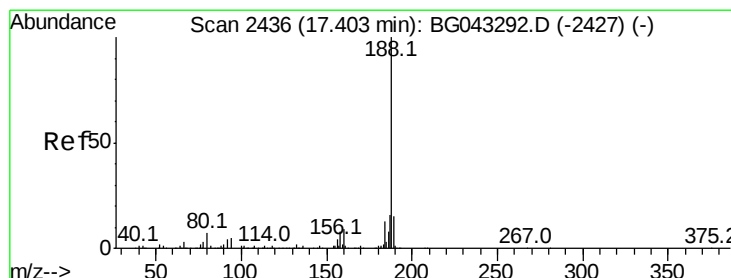
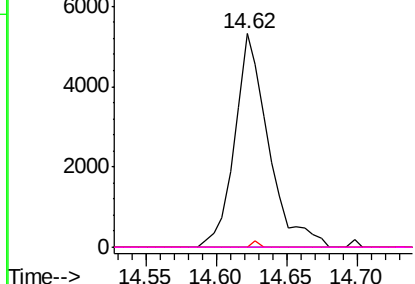
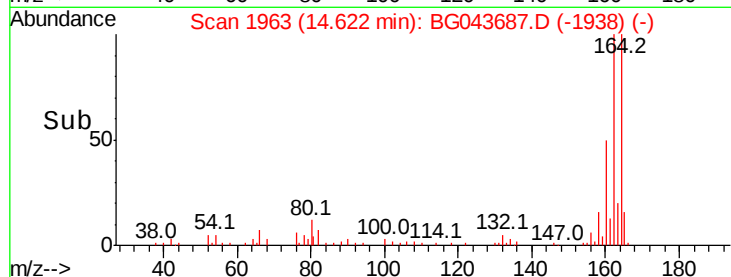
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

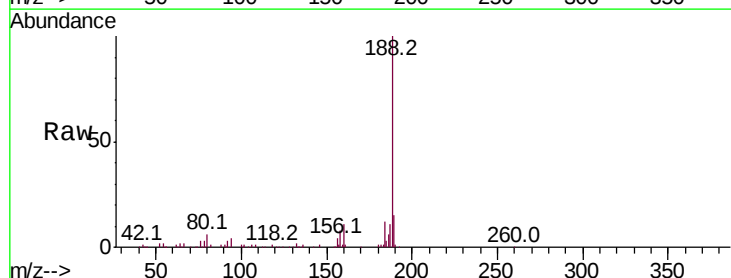
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043687.D
 Acq: 19 Nov 2019 00:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	4.2	6.4
80	6.1	4.5	6.7

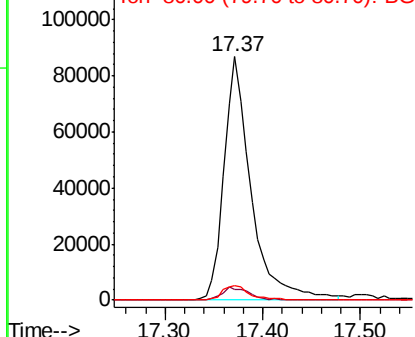
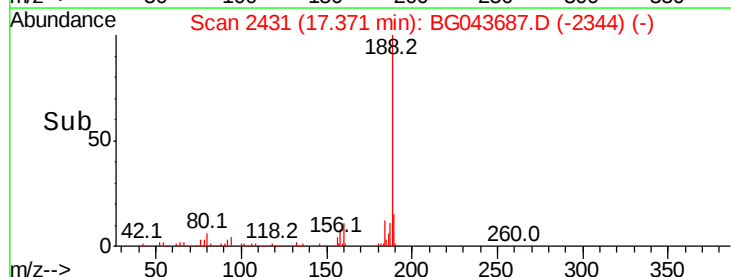


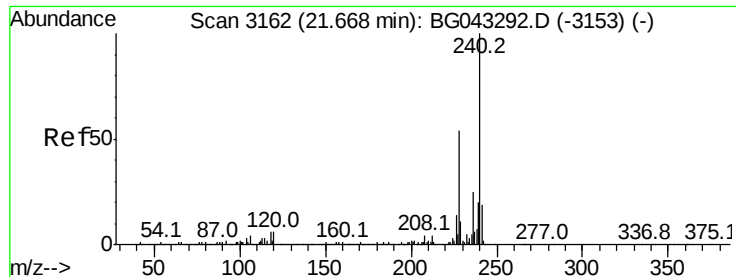
Abundance

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043687.D

Acq: 19 Nov 2019 00:09

Instrument :

BNA_G

ClientSampleId :

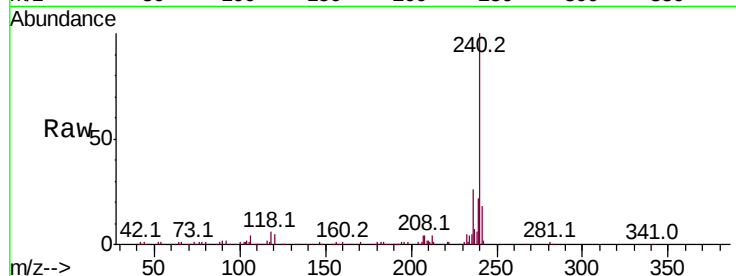
Tot Ion:240 Resp: 195795

Ion Ratio Lower Upper

240 100

120 5.3 4.6 6.8

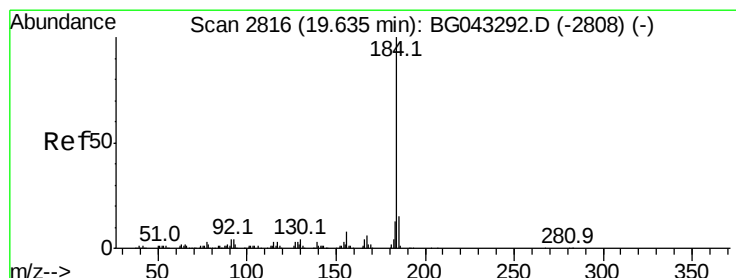
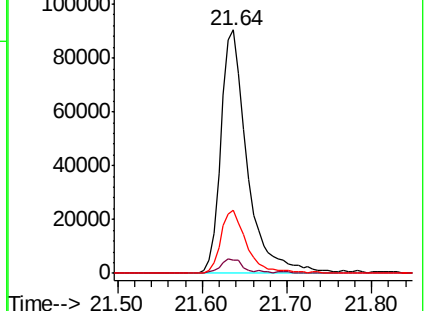
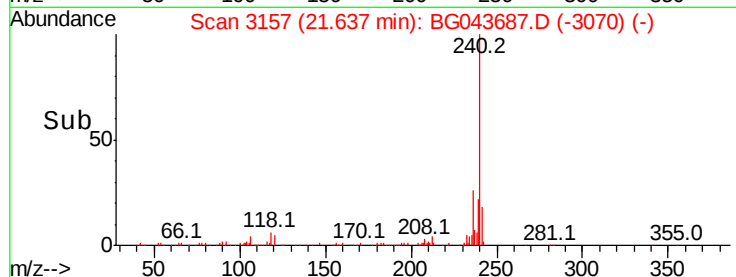
236 25.7 19.8 29.8



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: 3.743 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043687.D

Acq: 19 Nov 2019 00:09

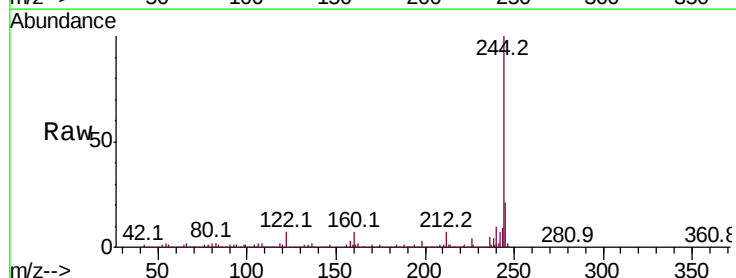
Tgt Ion:184 Resp: 14750

Ion Ratio Lower Upper

184 100

185 15.2 11.0 16.4

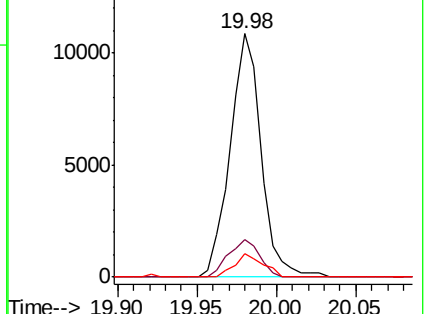
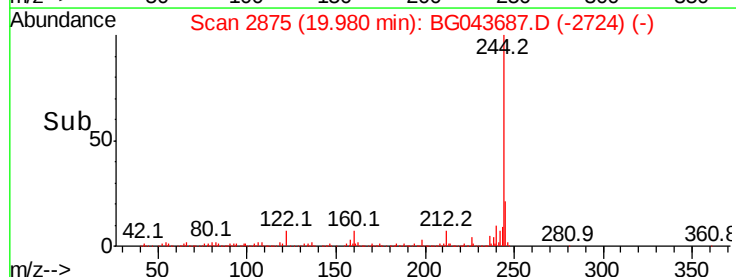
183 9.5 10.0 15.0#

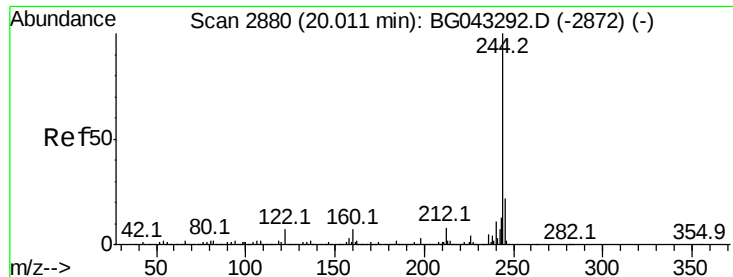


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



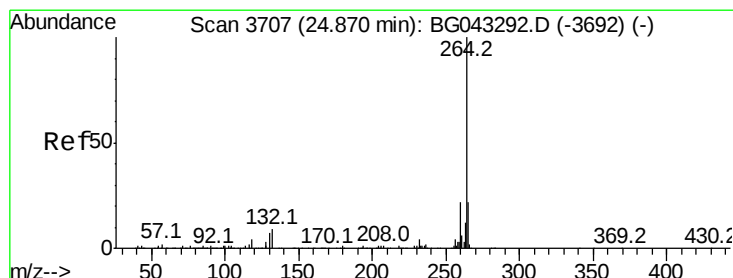
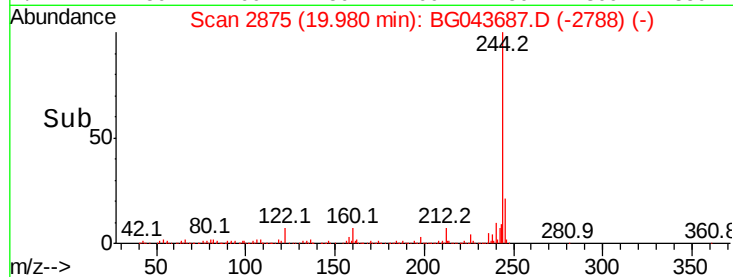
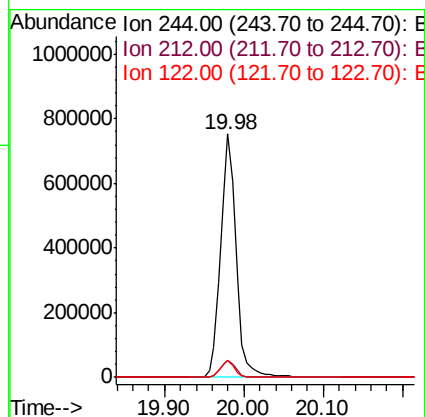
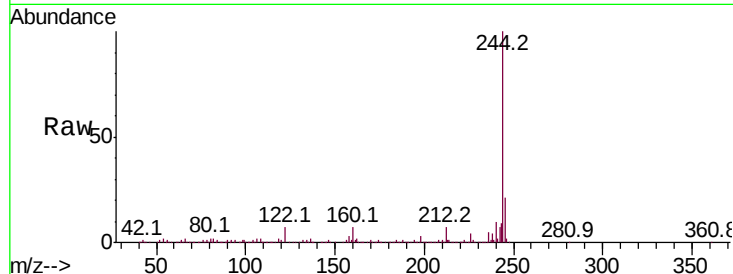


#79
 Terphenyl-d14
 Concen: 97.849 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.02 min
 Lab File: BG043687.D
 Acq: 19 Nov 2019 00:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1021206

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.9	5.4	8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3697
 Delta R.T. -0.04 min
 Lab File: BG043687.D
 Acq: 19 Nov 2019 00:09

Tgt Ion:264 Resp: 227867

Ion	Ratio	Lower	Upper
264	100		
260	21.3	17.5	26.3
265	19.8	17.4	26.0

