

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
 Data File : BG043829.D
 Acq On : 17 Dec 2019 21:17
 Operator : JU
 Sample : K6310-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 01:05:48 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

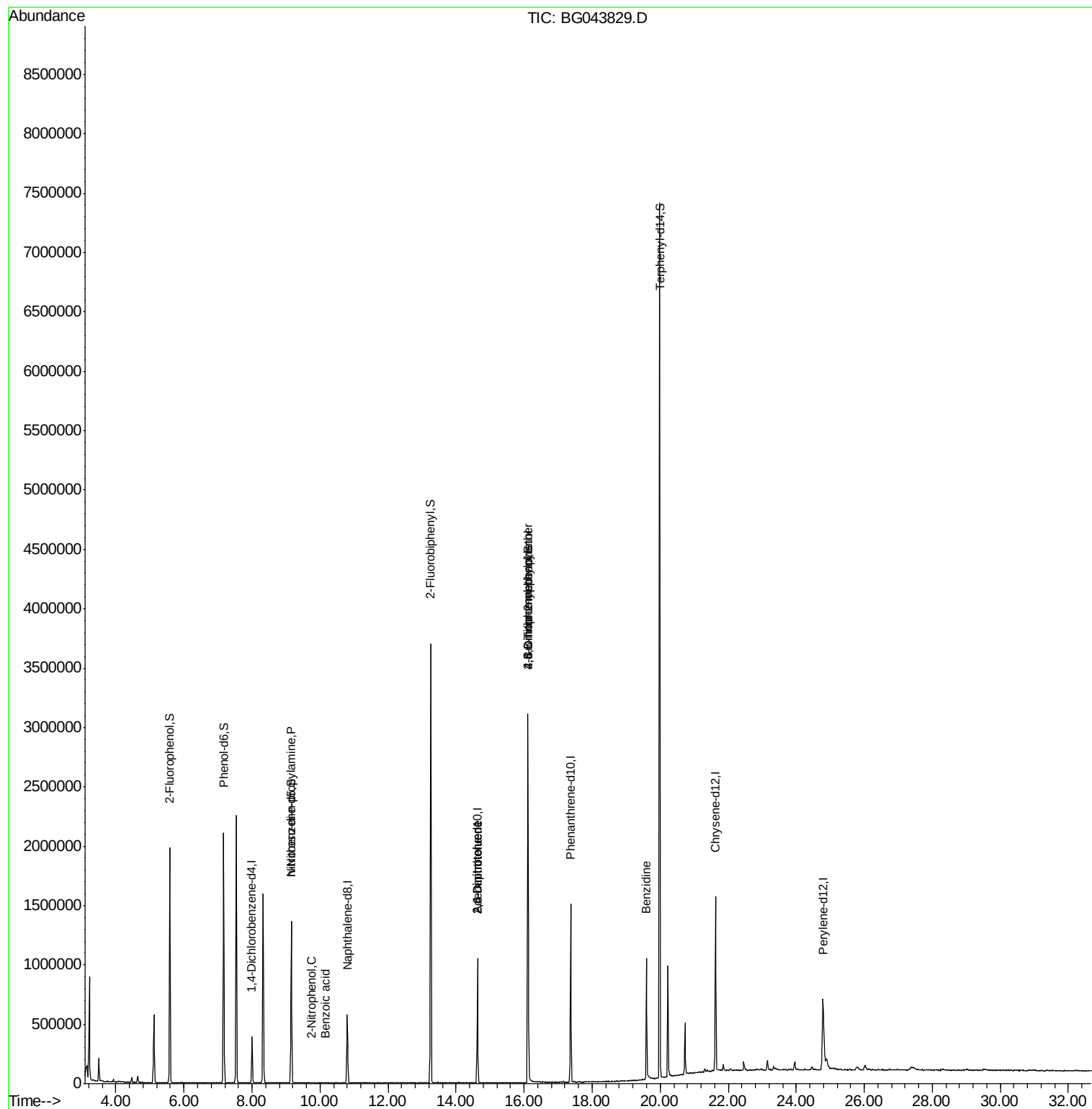
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	119096	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	511395	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	381061	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	949786	20.00	ng	0.00
76) Chrysene-d12	21.63	240	827263	20.00	ng	0.00
87) Perylene-d12	24.79	264	884481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	905753	144.10	ng	0.00
7) Phenol-d6	7.17	99	1245503	137.40	ng	0.00
23) Nitrobenzene-d5	9.16	82	848394	93.15	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	574221	158.06	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1912768	88.17	ng	0.00
79) Terphenyl-d14	19.99	244	3050140	88.70	ng	0.00
Target Compounds						
9) Benzaldehyde	7.17	77	2193	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	114473	16.518 ng	#	6
26) 2-Nitrophenol	9.77	139	54	8.360 ng	#	34
32) Benzoic acid	10.15	122	55	5.659 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	50670	8.645 ng	#	28
57) 2,4-Dinitrotoluene	14.63	165	50674	6.398 ng	#	25
65) 4,6-Dinitro-2-methylphenol	16.11	198	2168	9.975 ng	#	1
67) 4-Bromophenyl-phenylether	16.11	248	43924	4.326 ng	#	1
77) Benzidine	19.59	184	650918	36.066 ng		98

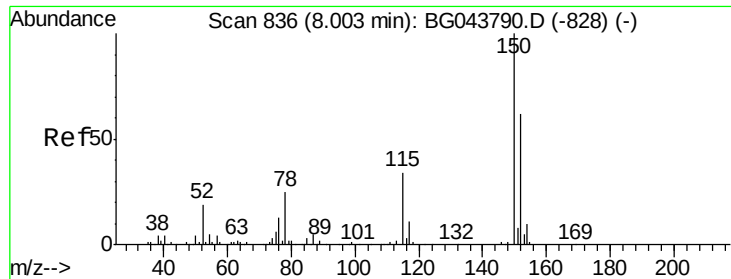
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
Data File : BG043829.D
Acq On : 17 Dec 2019 21:17
Operator : JU
Sample : K6310-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 18 01:05:48 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



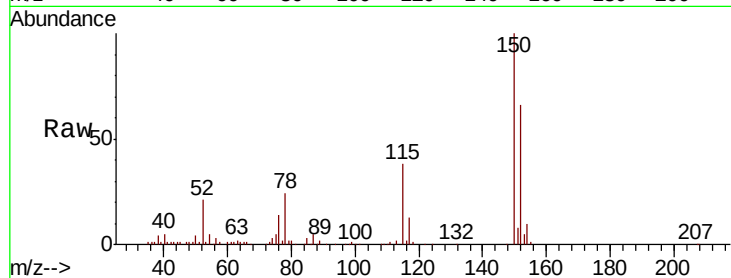


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	128.6	192.8
115	57.8	44.3	66.5

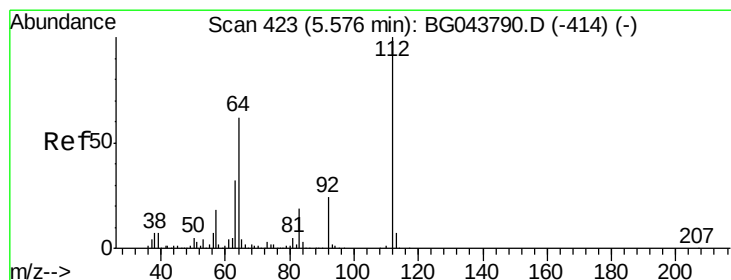
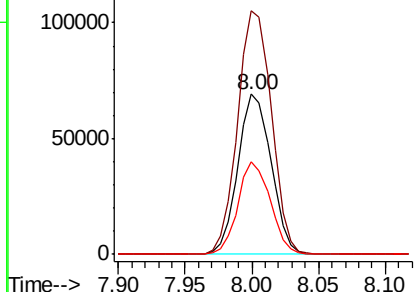
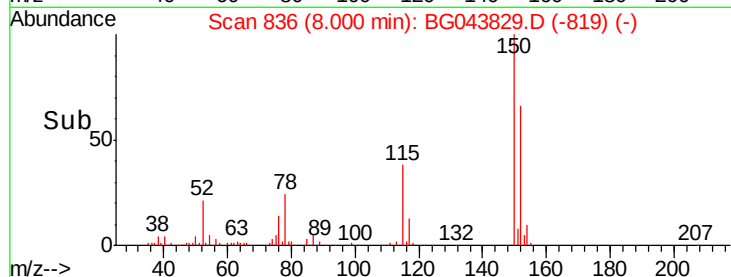


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

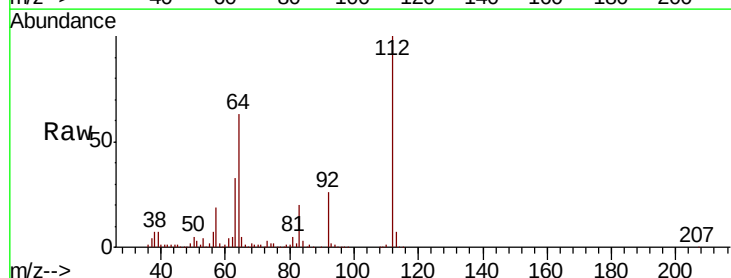
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.098 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.01 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	49.9	74.9
63	32.5	26.0	39.0

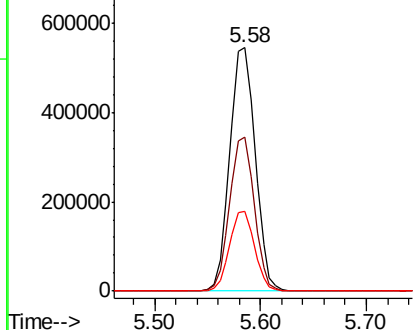
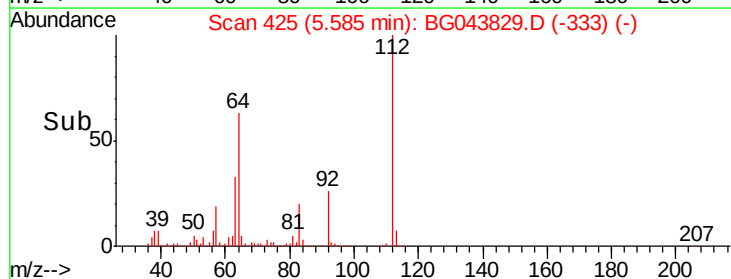


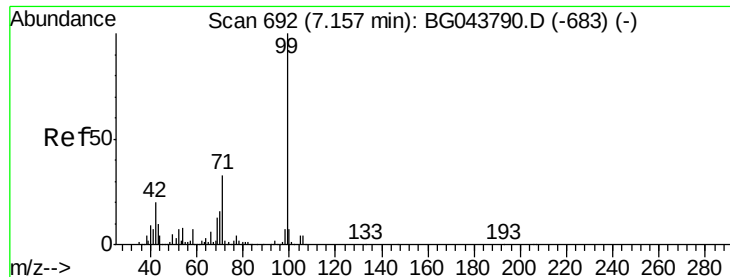
Abundance

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: 137.395 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Instrument :

BNA_G

ClientSampled :

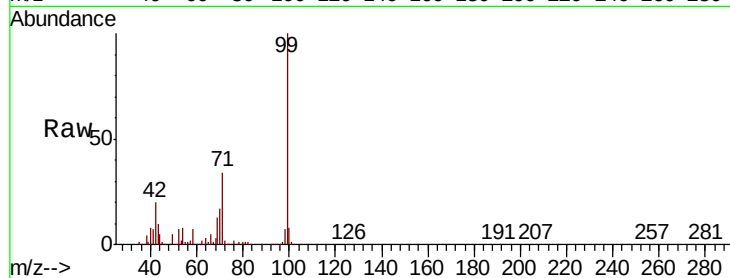
Tot Ion: 99 Resp: 1245503

Ion Ratio Lower Upper

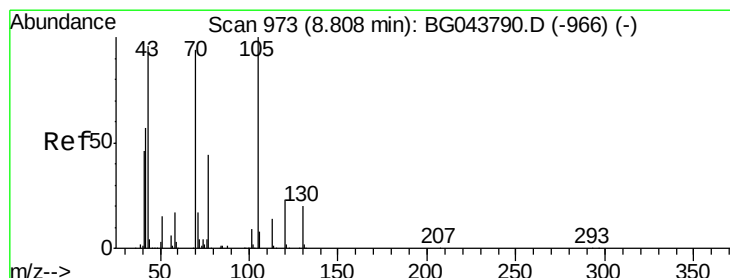
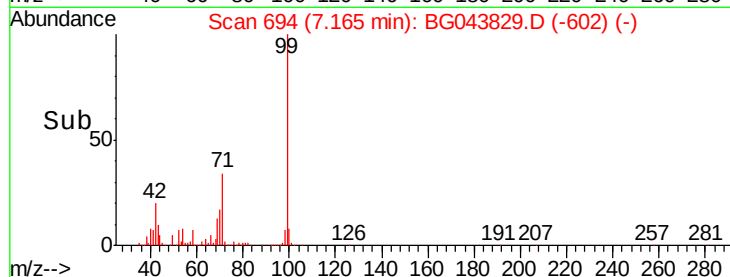
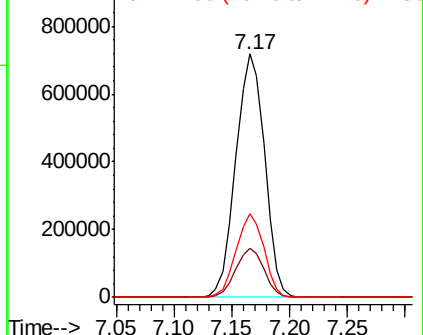
99 100

42 19.9 16.2 24.2

71 34.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.518 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Tgt Ion: 70 Resp: 114473

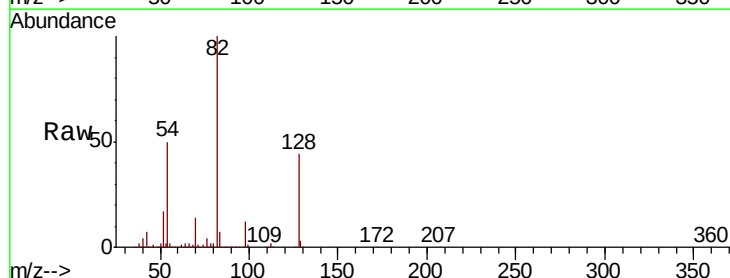
Ion Ratio Lower Upper

70 100

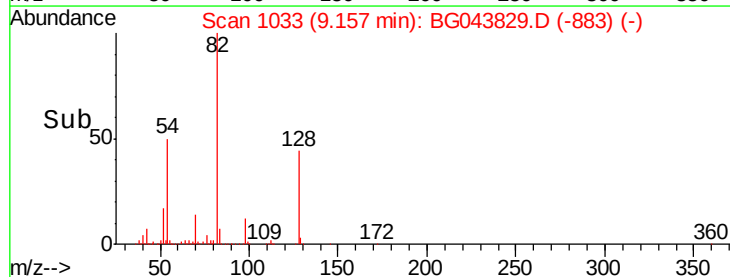
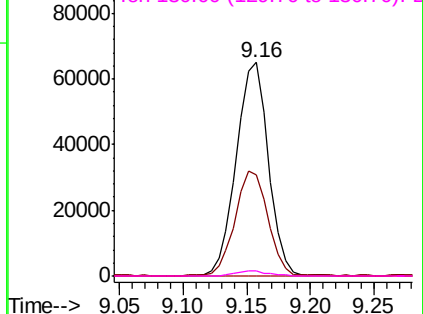
42 47.4 49.2 73.8#

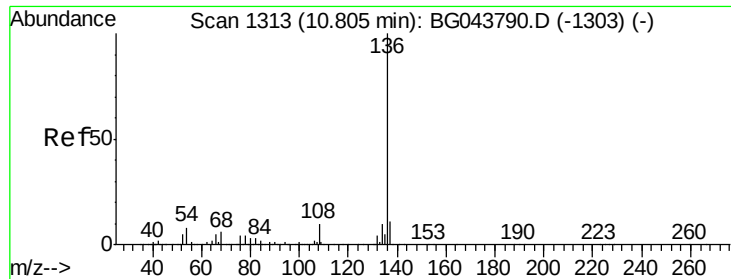
101 0.0 7.8 11.6#

130 2.6 17.0 25.6#



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

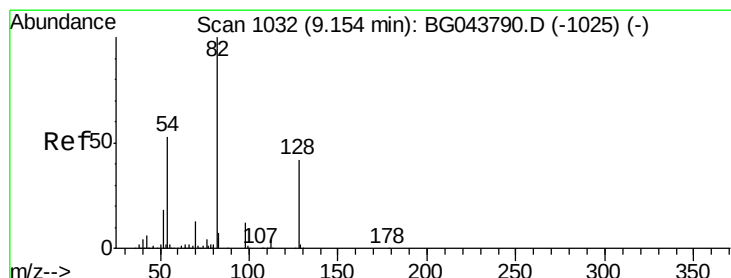
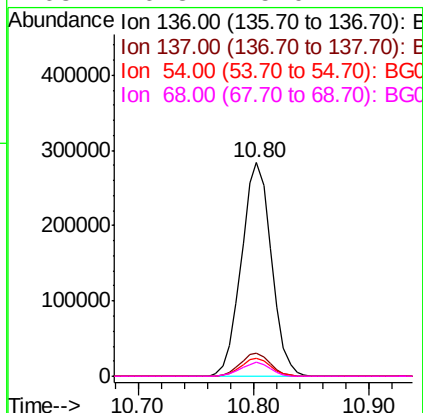
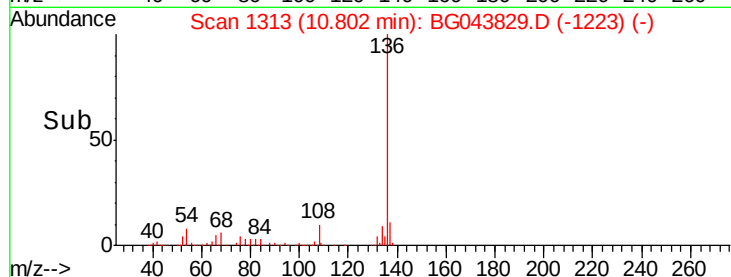
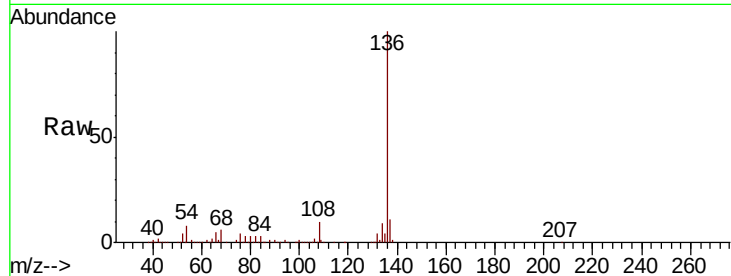




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

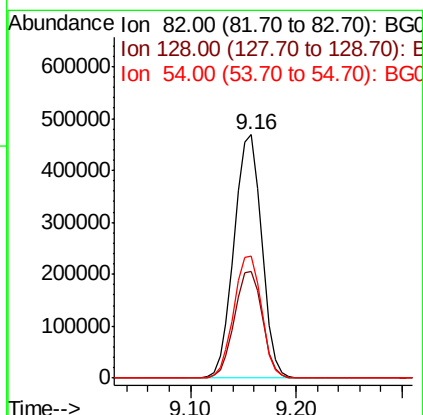
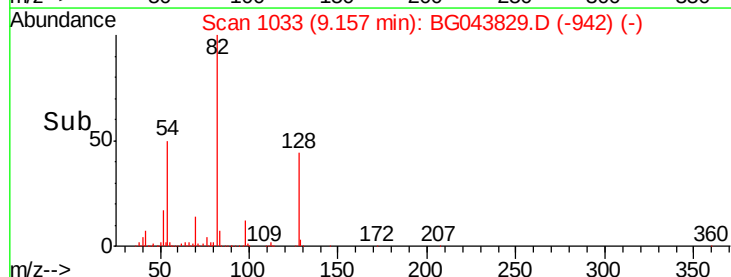
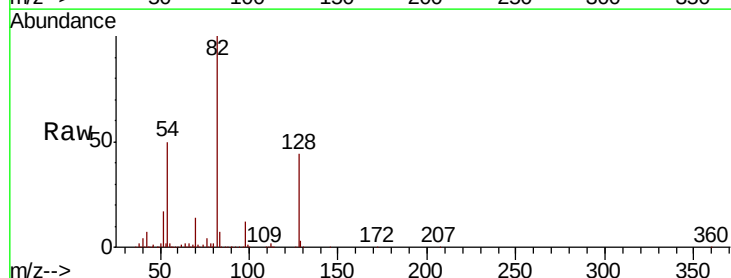
Instrument :
BNA_G
ClientSampleId :

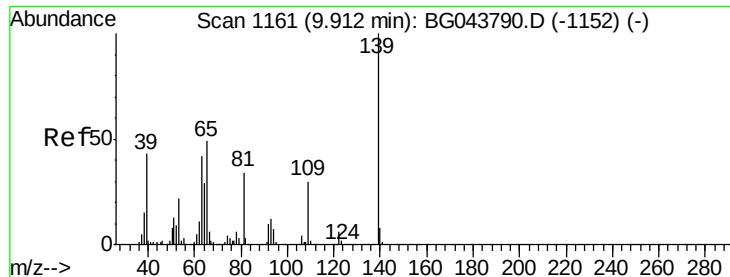
Tot Ion:136	Resp:	511395
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.7	13.1
54 8.3	6.8	10.2
68 6.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 93.147 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Tgt	Ion: 82	Resp:	848394
Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.6	50.4
54	50.0	42.1	63.1





#26

2-Nitrophenol

Concen: 8.360 ng

RT: 9.77 min Scan# 1137

Delta R.T. -0.14 min

Lab File: BG043829.D

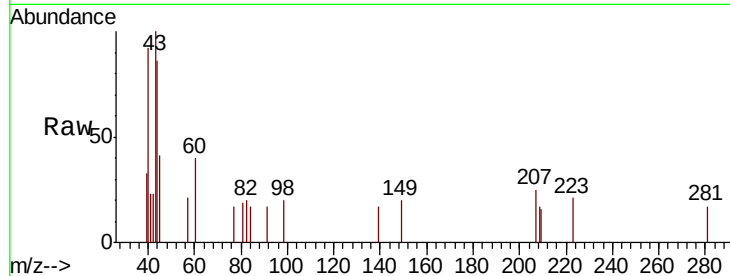
Acq: 17 Dec 2019 21:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	139	Resp:	54
Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.9	35.9#
65	0.0	39.3	58.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

9.77

150

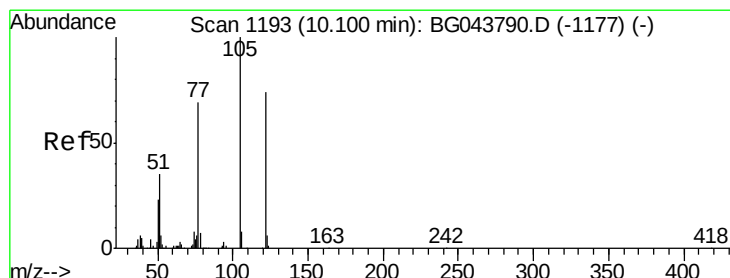
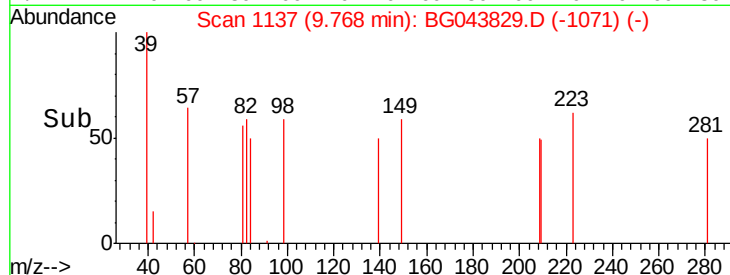
100

50

0

9.75 9.76 9.77 9.78

Time-->



#32

Benzoic acid

Concen: 5.659 ng

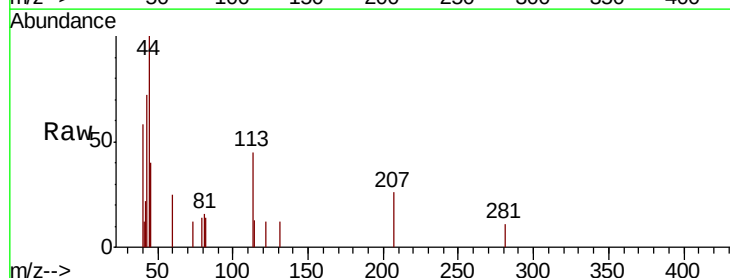
RT: 10.15 min Scan# 1202

Delta R.T. 0.05 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Tgt Ion:	122	Resp:	55
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): BGC

10.15

150

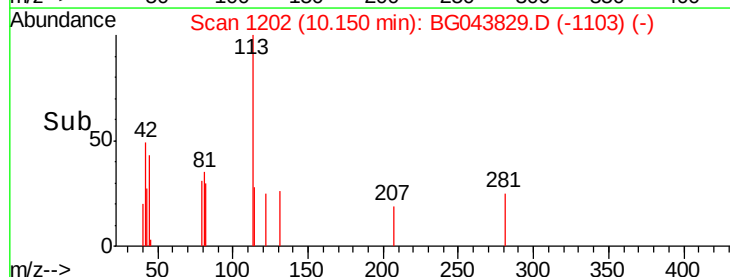
100

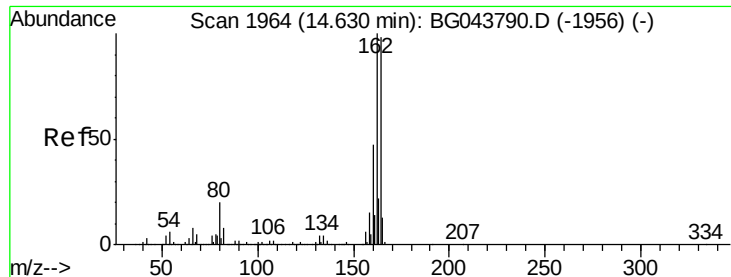
50

0

10.14 10.16

Time-->

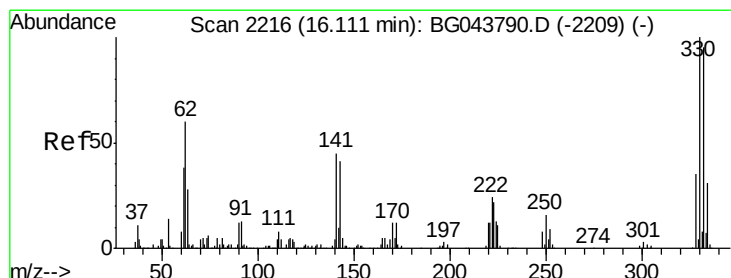
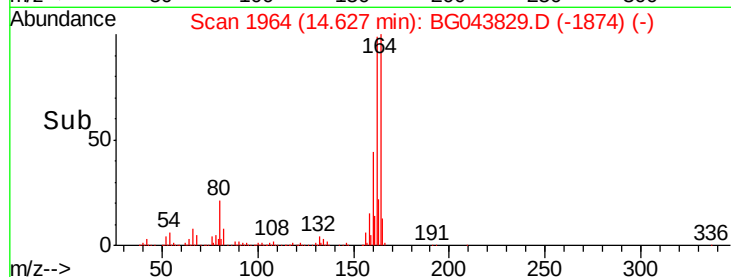
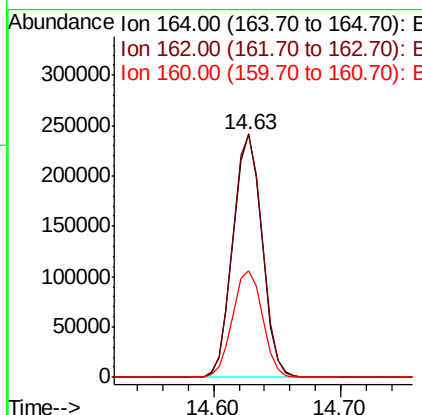
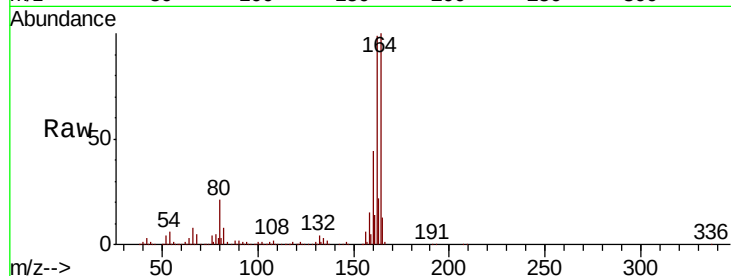




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

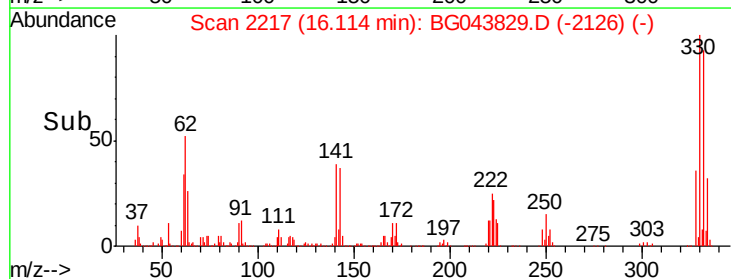
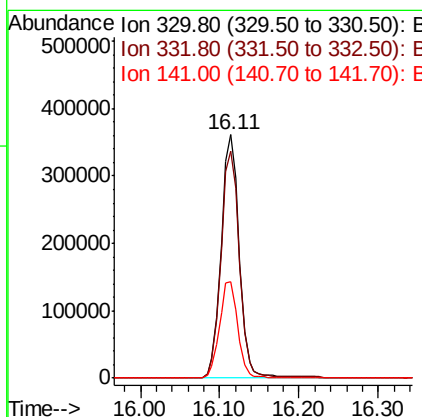
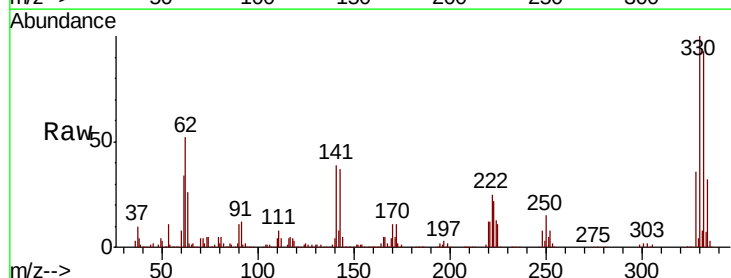
Instrument :
BNA_G
ClientSampleId :

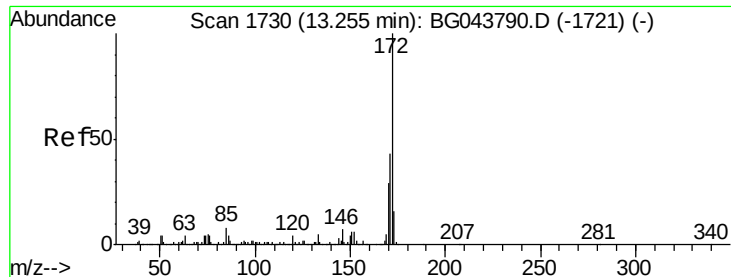
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.9	122.9
160	44.0	38.3	57.5



#42
2,4,6-Tribromophenol
Concen: 158.064 ng
RT: 16.11 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.9	115.3
141	40.1	33.8	50.8

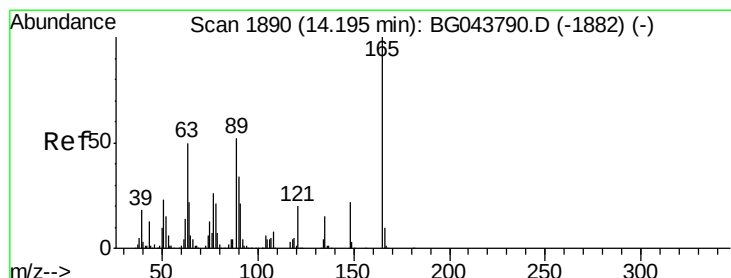
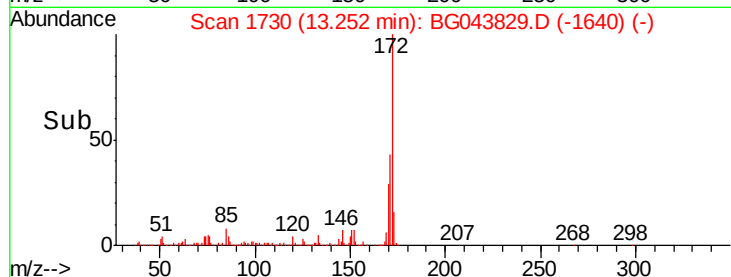
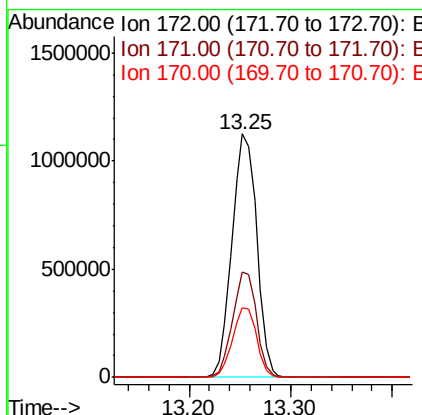
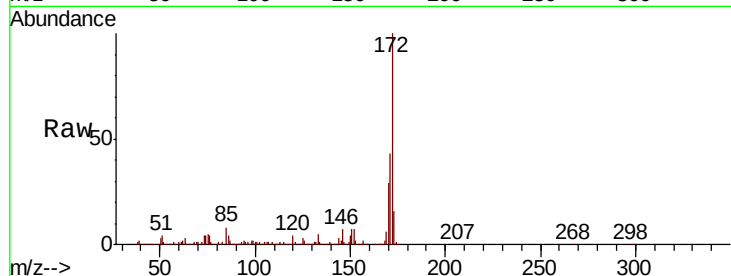




#45
2-Fluorobiphenyl
Concen: 88.173 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

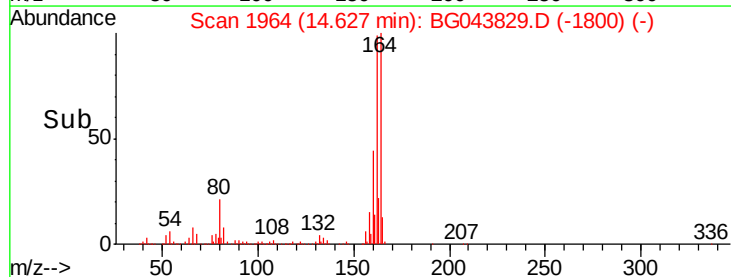
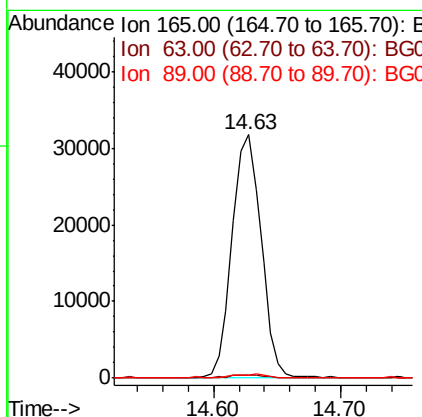
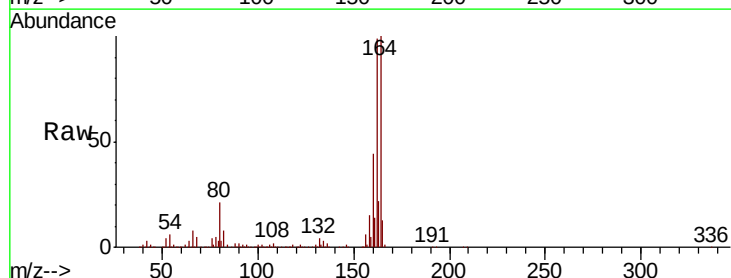
Instrument :
BNA_G
ClientSampleId :

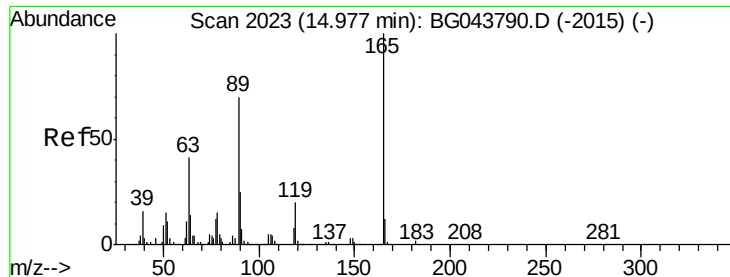
Tot Ion:172 Resp: 1912768
Ion Ratio Lower Upper
172 100
171 43.2 34.6 51.8
170 28.7 23.3 34.9



#51
2,6-Dinitrotoluene
Concen: 8.645 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Tgt Ion:165 Resp: 50670
Ion Ratio Lower Upper
165 100
63 1.5 40.3 60.5#
89 1.2 41.8 62.8#

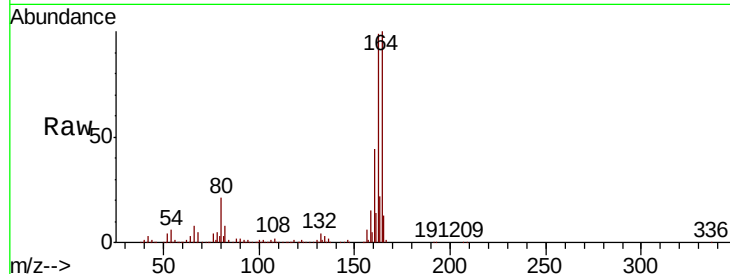




#57
 2,4-Dinitrotoluene
 Concen: 6.398 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.35 min
 Lab File: BG043829.D
 Acq: 17 Dec 2019 21:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.7	49.1#
89	1.2	56.1	84.1#
182	0.0	2.0	3.0#



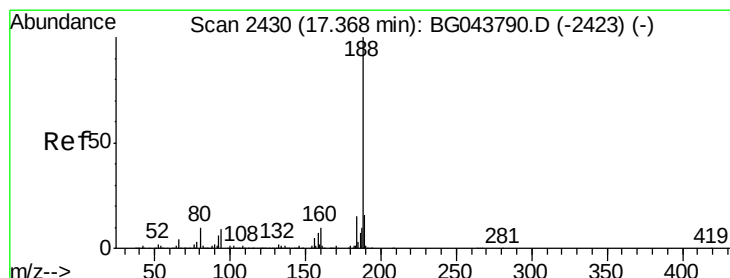
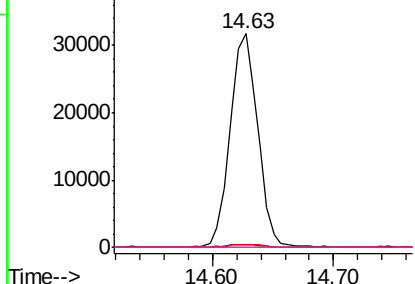
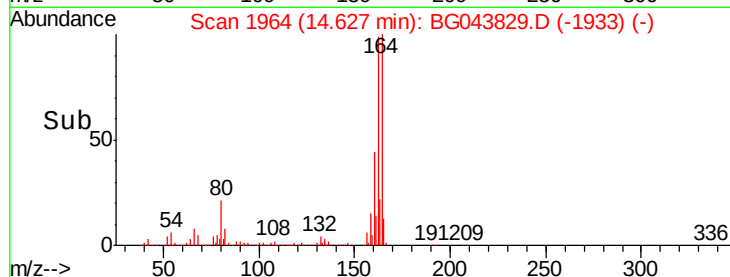
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

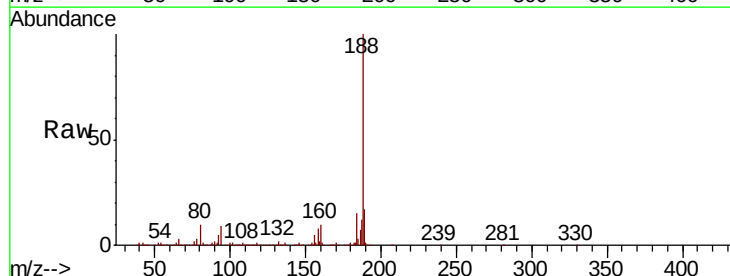
Ion 89.00 (88.70 to 89.70): BGC

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. 0.00 min
 Lab File: BG043829.D
 Acq: 17 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.6	7.8	11.8

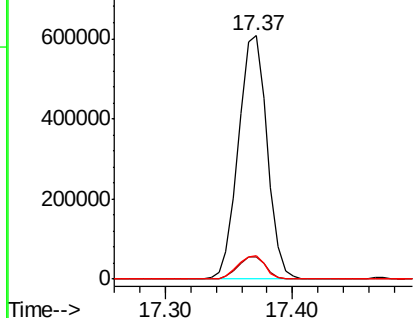
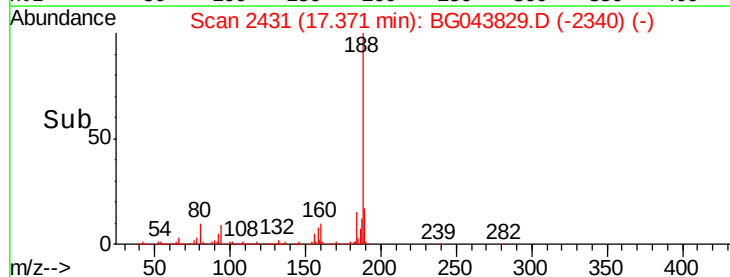


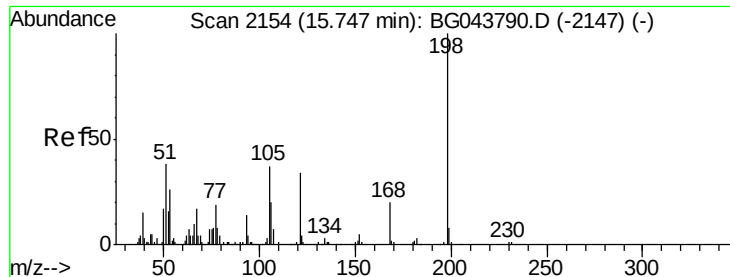
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 9.975 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.36 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Instrument :

BNA_G

ClientSampleId :

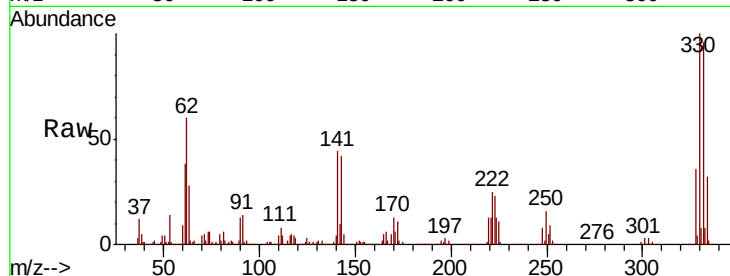
Tot Ion:198 Resp: 2168

Ion Ratio Lower Upper

198 100

51 118.4 18.9 58.9#

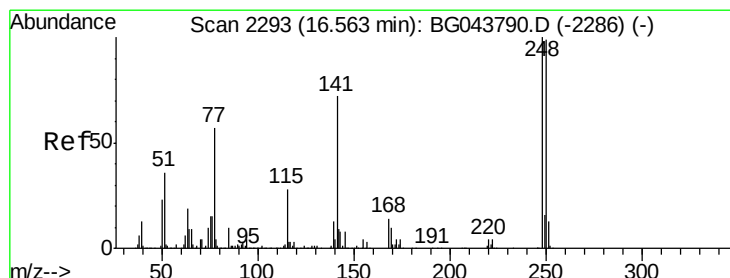
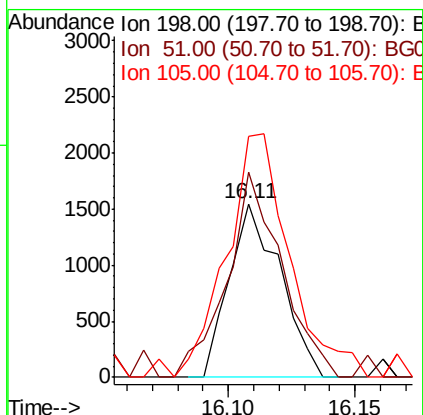
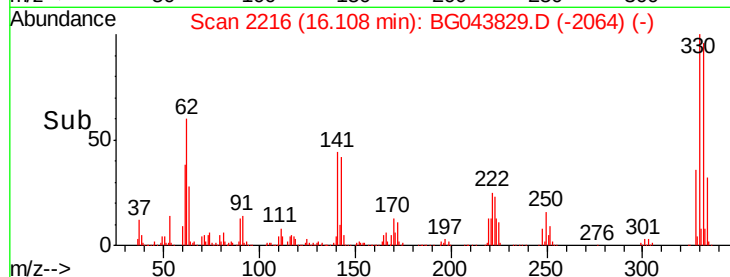
105 138.5 18.1 58.1#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG043790.D (-2147) (-)

Ion 105.00 (104.70 to 105.70): BG043790.D (-2147) (-)



#67

4-Bromophenyl-phenylether

Concen: 4.326 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

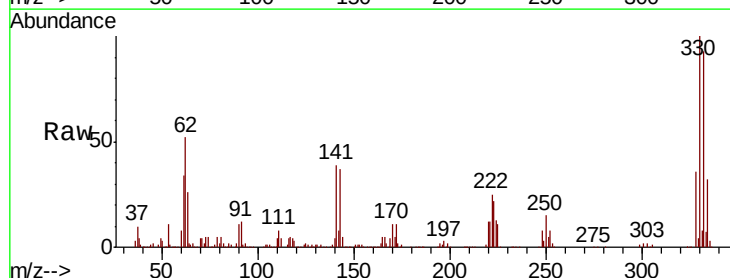
Tgt Ion:248 Resp: 43924

Ion Ratio Lower Upper

248 100

250 193.9 79.0 118.6#

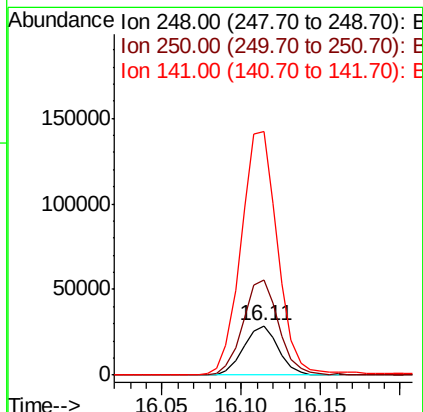
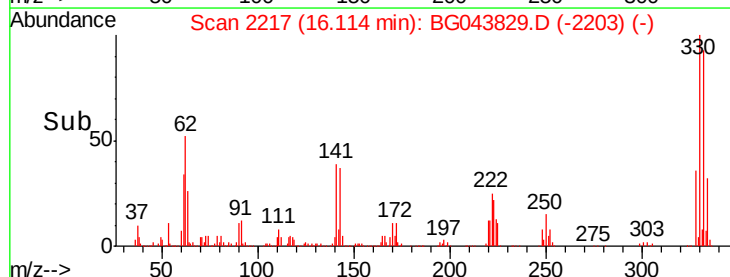
141 494.2 57.8 86.6#

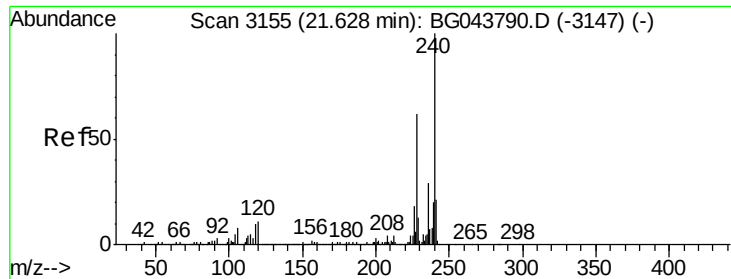


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG043790.D (-2286) (-)

Ion 141.00 (140.70 to 141.70): BG043790.D (-2286) (-)

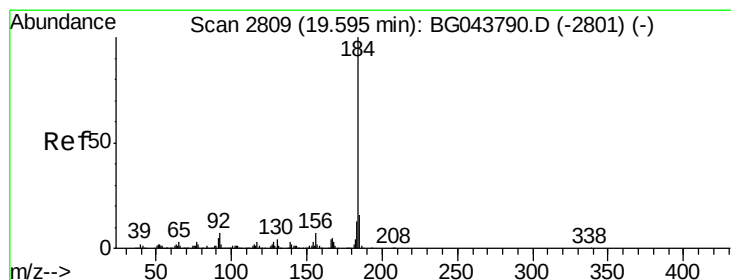
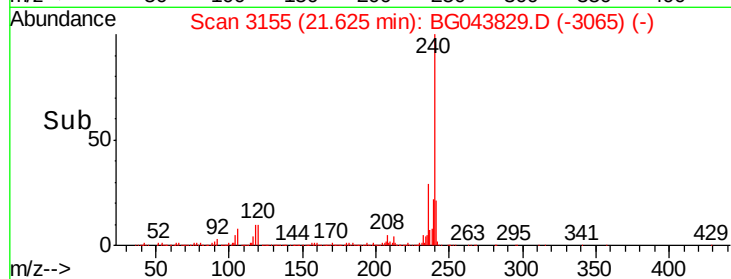
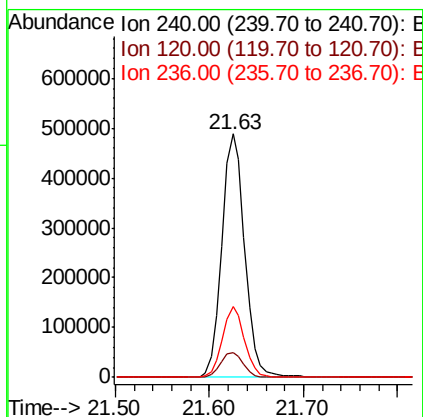
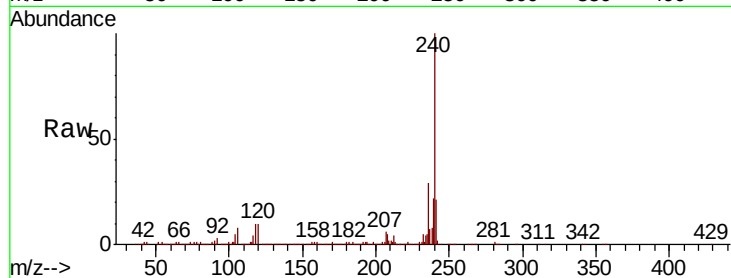




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

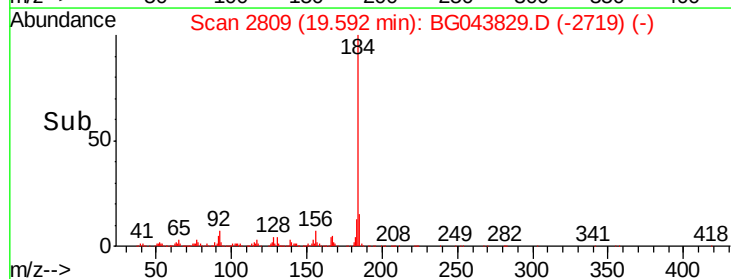
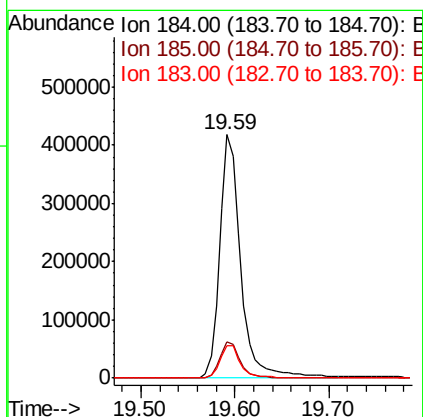
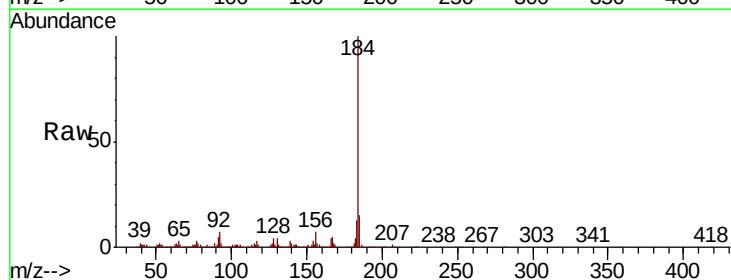
Instrument :
BNA_G
ClientSampleId :

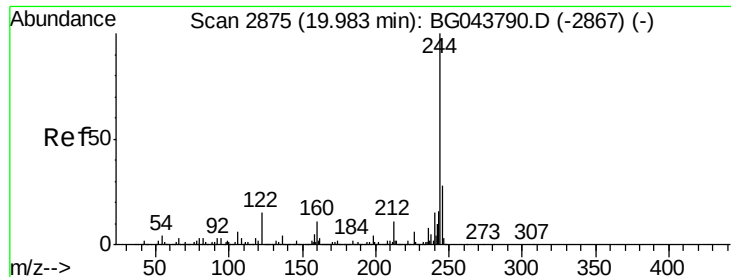
Tot Ion:240 Resp: 827263
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 28.9 23.1 34.7



#77
Benzidine
Concen: 36.066 ng
RT: 19.59 min Scan# 2809
Delta R.T. -0.00 min
Lab File: BG043829.D
Acq: 17 Dec 2019 21:17

Tgt Ion:184 Resp: 650918
Ion Ratio Lower Upper
184 100
185 14.9 12.9 19.3
183 13.4 10.3 15.5





#79

Terphenyl-d14

Concen: 88.702 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043829.D

Acq: 17 Dec 2019 21:17

Instrument :

BNA_G

ClientSampled :

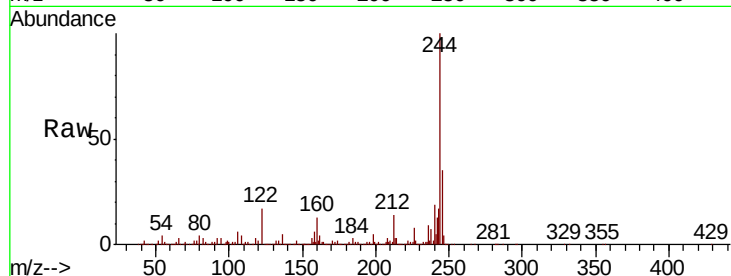
Tot Ion:244 Resp: 3050140

Ion Ratio Lower Upper

244 100

212 13.9 9.1 13.7#

122 16.6 11.6 17.4

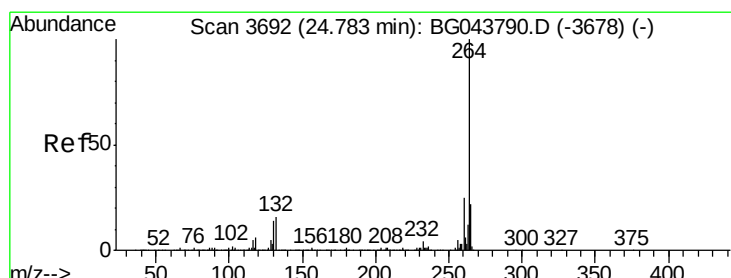
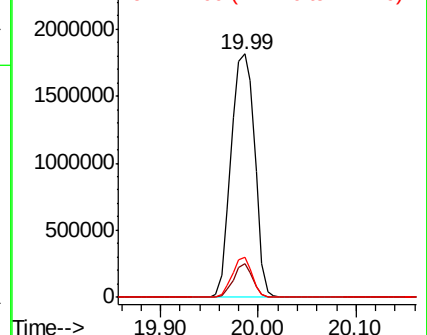
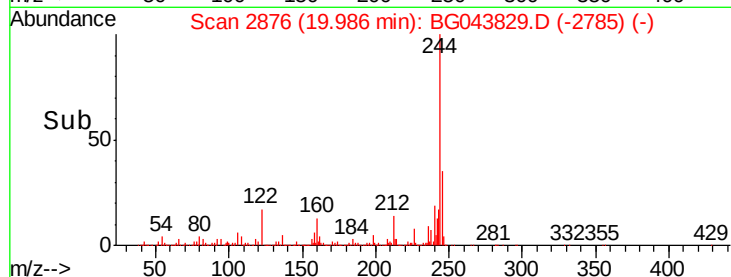


Abundance

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: BG043829.D

Acq: 17 Dec 2019 21:17

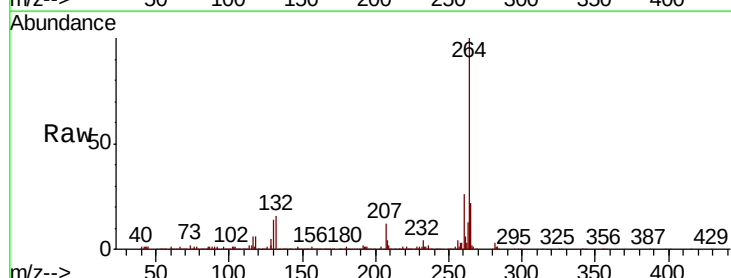
Tgt Ion:264 Resp: 884481

Ion Ratio Lower Upper

264 100

260 25.6 19.8 29.8

265 22.3 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

