

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110619\
 Data File : BG043528.D
 Acq On : 6 Nov 2019 20:09
 Operator : JU
 Sample : PB124575BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 01:07:27 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

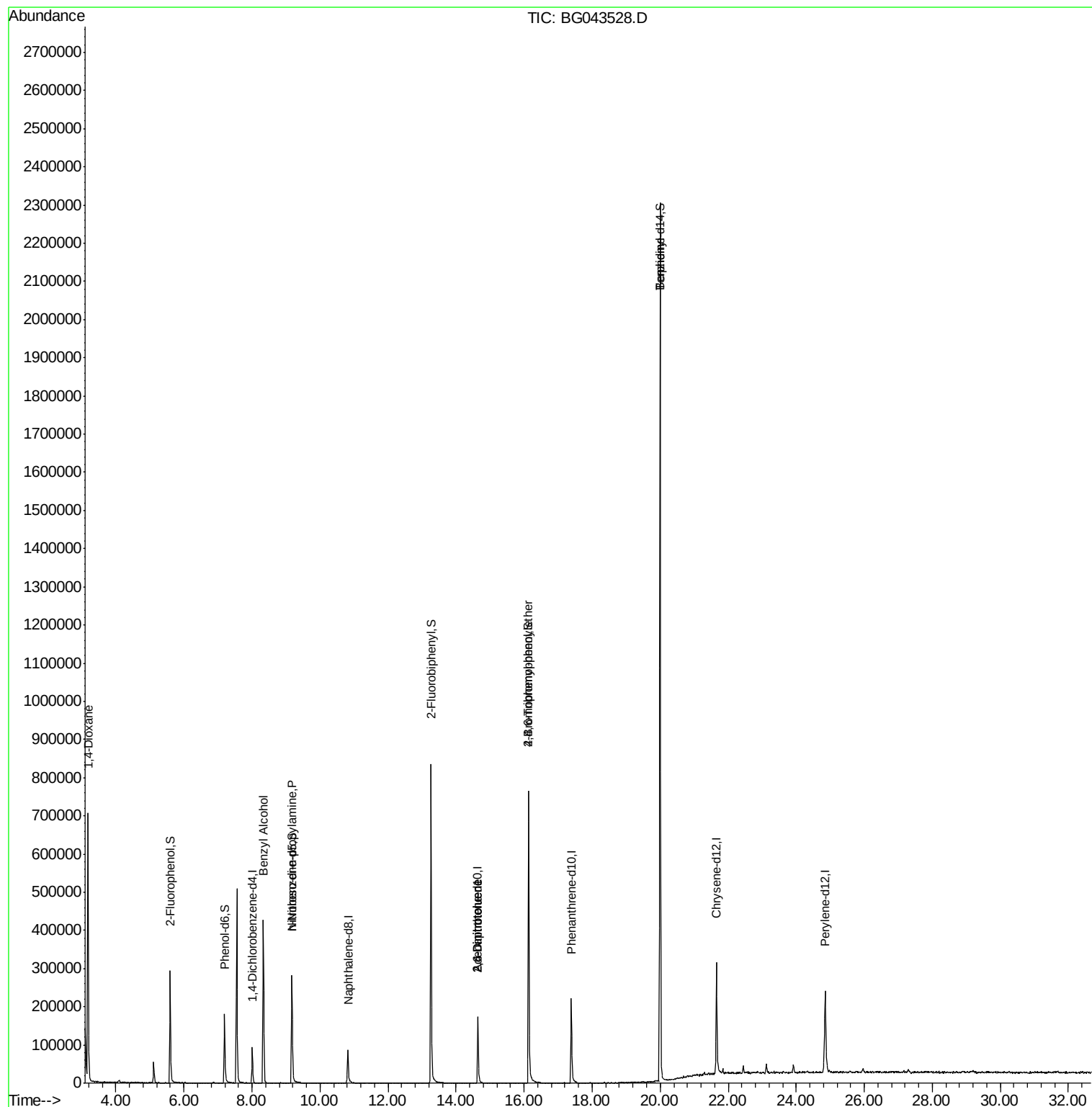
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30725	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	98386	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	75088	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	182514	20.00	ng	0.00
76) Chrysene-d12	21.65	240	221575	20.00	ng	0.00
87) Perylene-d12	24.85	264	255609	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	143523	85.60	ng	0.00
7) Phenol-d6	7.19	99	121620	50.41	ng	0.00
23) Nitrobenzene-d5	9.17	82	204020	106.91	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	202401	141.65	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	543085	99.94	ng	0.00
79) Terphenyl-d14	20.00	244	1243863	105.32	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.18	88	7951	12.169	ng	# 1
15) Benzyl Alcohol	8.33	79	3670	2.166	ng	# 70
19) n-Nitroso-di-n-propylamine	9.17	70	27500	17.641	ng	# 83
51) 2,6-Dinitrotoluene	14.64	165	9718	7.691	ng	# 22
57) 2,4-Dinitrotoluene	14.64	165	9778	5.415	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	13106	5.336	ng	# 1
77) Benzidine	20.00	184	18197	4.081	ng	# 89

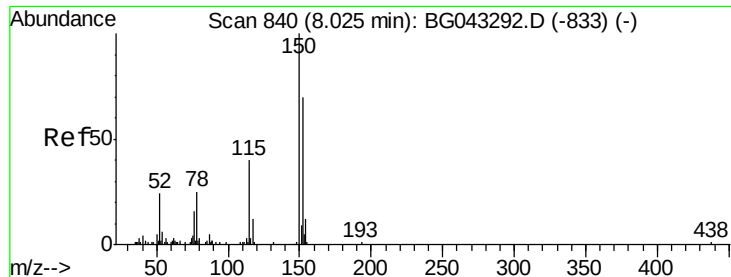
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



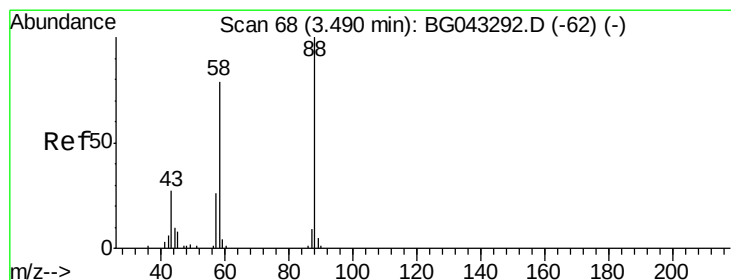
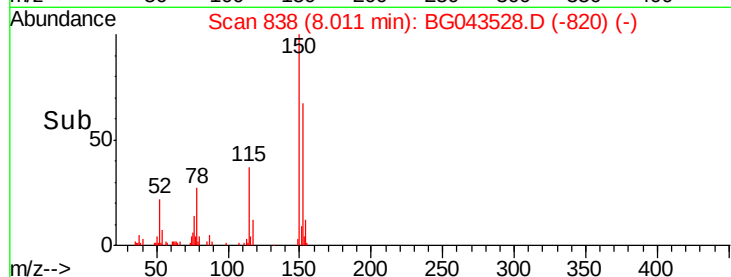
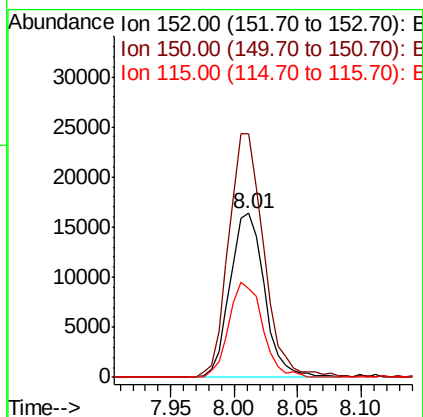
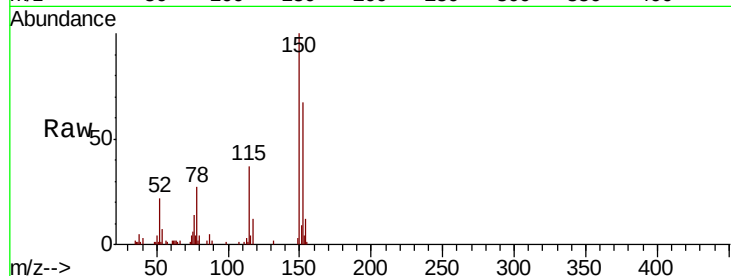


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Instrument :
BNA_G
ClientSampleId :

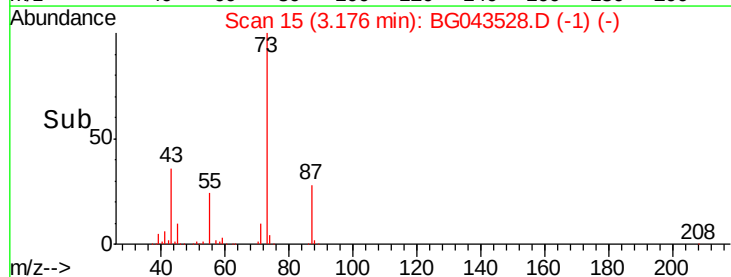
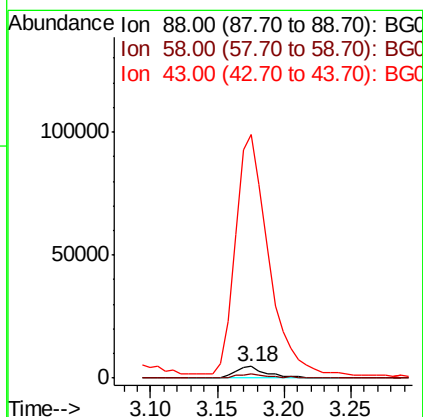
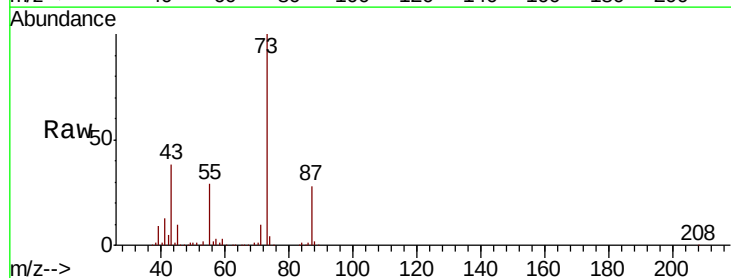
Tot Ion:152 Resp: 30725
Ion Ratio Lower Upper
152 100
150 148.2 129.4 194.0
115 54.4 48.8 73.2

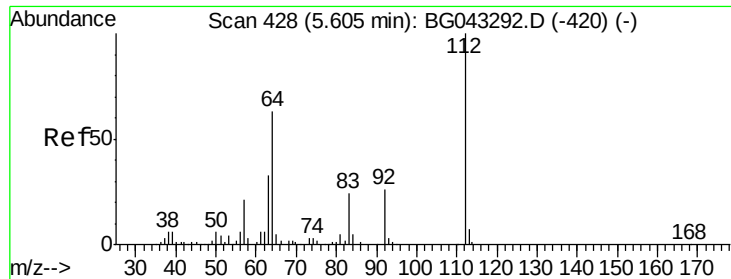


#2

1,4-Dioxane
Concen: 12.169 ng
RT: 3.18 min Scan# 15
Delta R.T. -0.30 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Tgt Ion: 88 Resp: 7951
Ion Ratio Lower Upper
88 100
58 46.4 62.7 94.1#
43 2166.1 23.7 35.5#





#5

2-Fluorophenol

Concen: 85.597 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043528.D

Acq: 6 Nov 2019 20:09

Instrument :

BNA_G

ClientSampled :

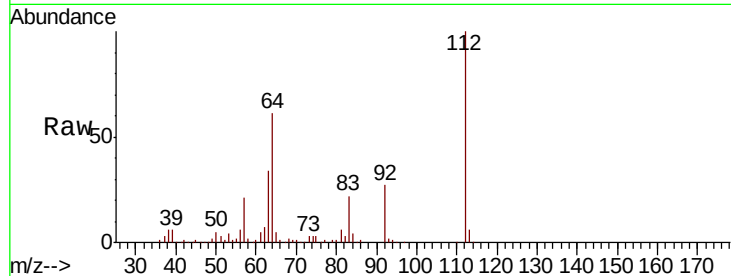
Tot Ion:112 Resp: 143523

Ion Ratio Lower Upper

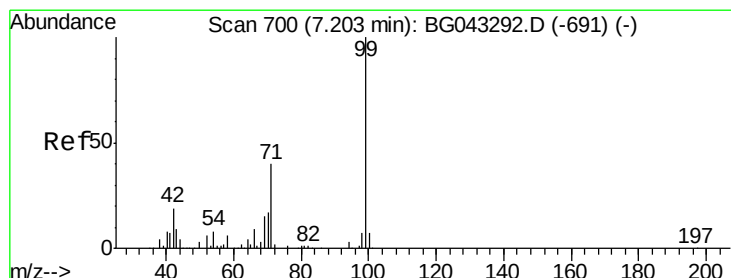
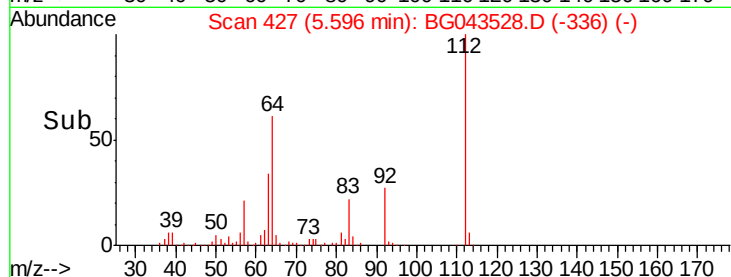
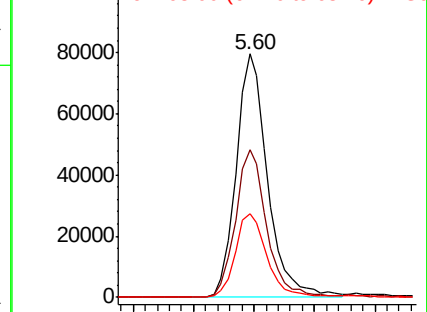
112 100

64 60.8 50.0 75.0

63 34.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 50.414 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043528.D

Acq: 6 Nov 2019 20:09

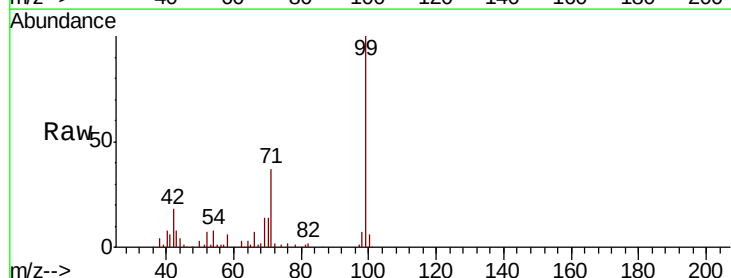
Tgt Ion: 99 Resp: 121620

Ion Ratio Lower Upper

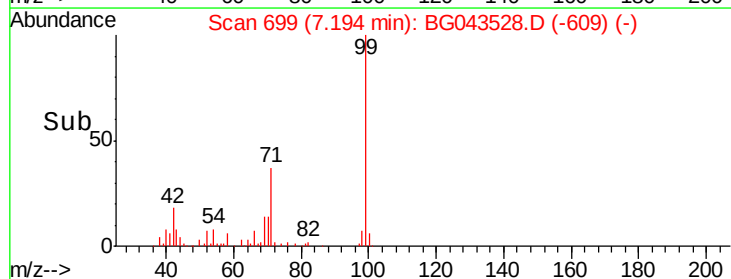
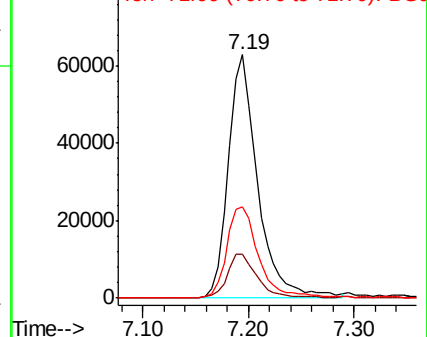
99 100

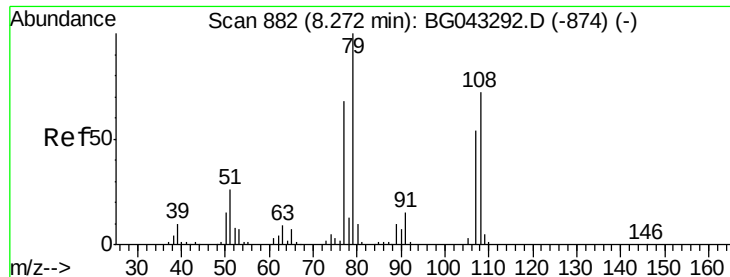
42 18.0 14.6 21.8

71 37.5 32.5 48.7



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





#15

Benzyl Alcohol

Concen: 2.166 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.07 min

Lab File: BG043528.D

Acq: 6 Nov 2019 20:09

Instrument :

BNA_G

ClientSampleId :

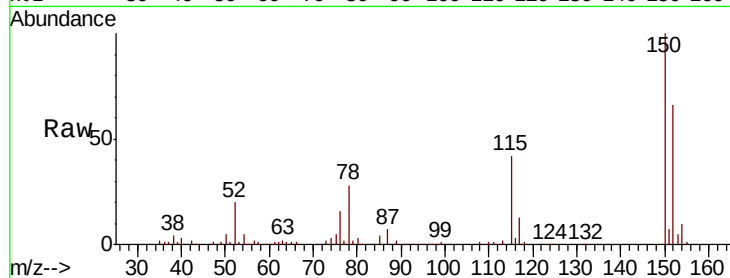
Tot Ion: 79 Resp: 3670

Ion Ratio Lower Upper

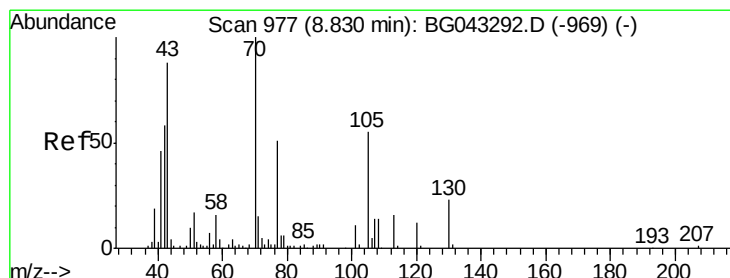
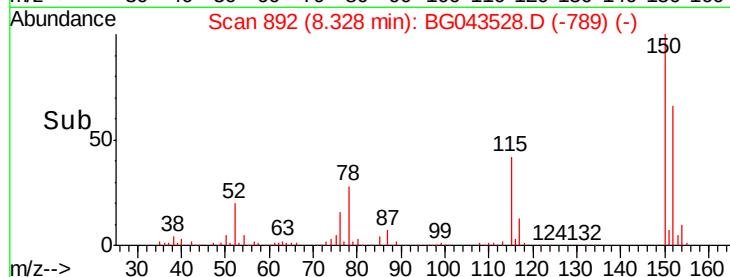
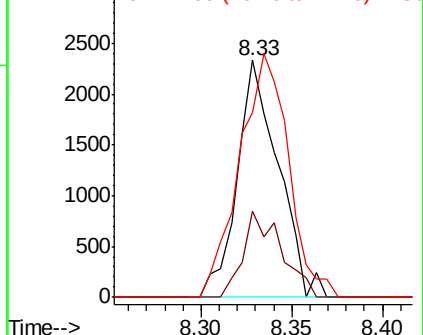
79 100

108 36.6 53.6 80.4#

77 78.2 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.641 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG043528.D

Acq: 6 Nov 2019 20:09

Tgt Ion: 70 Resp: 27500

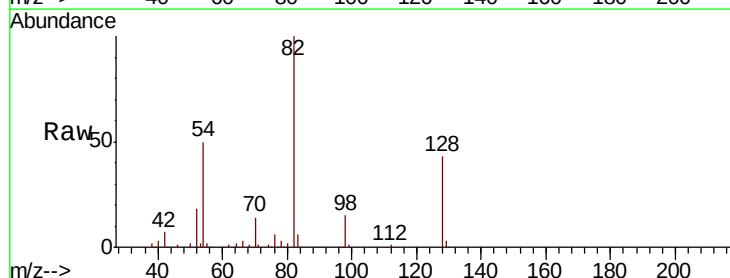
Ion Ratio Lower Upper

70 100

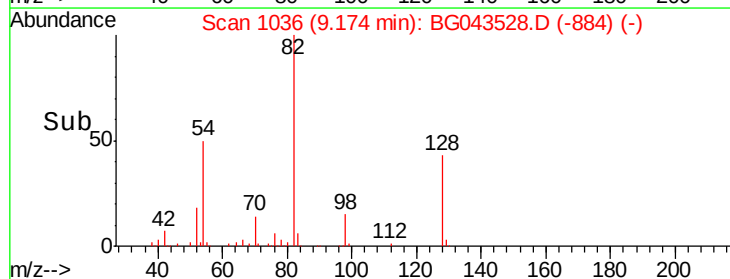
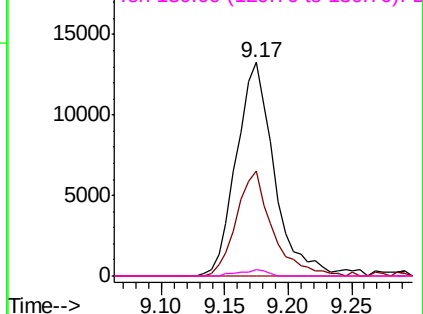
42 49.2 41.4 62.2

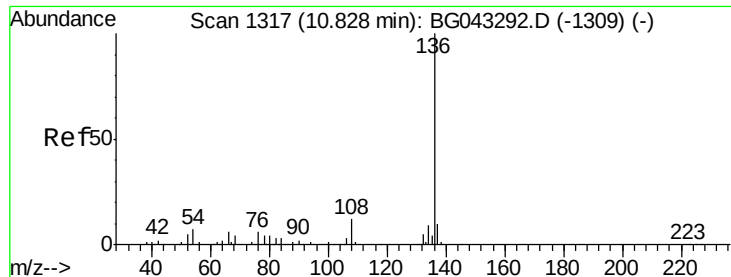
101 0.0 7.9 11.9#

130 3.2 19.0 28.4#



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

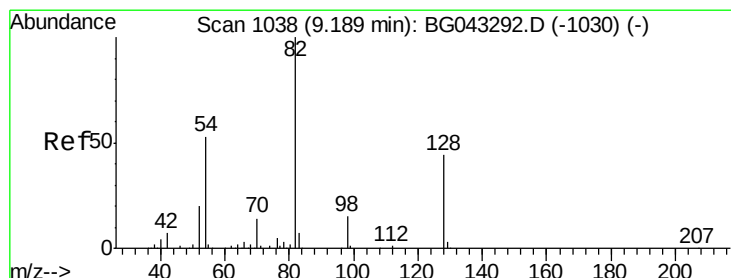
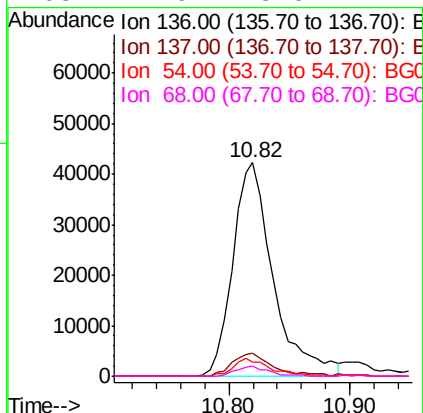
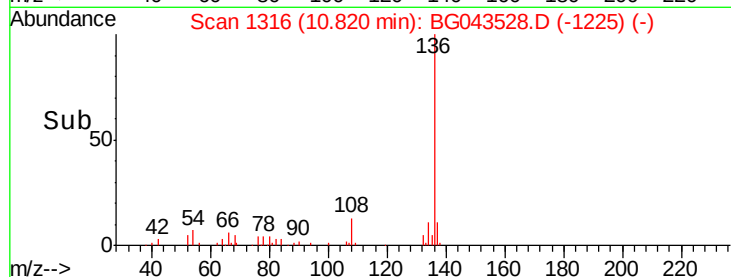
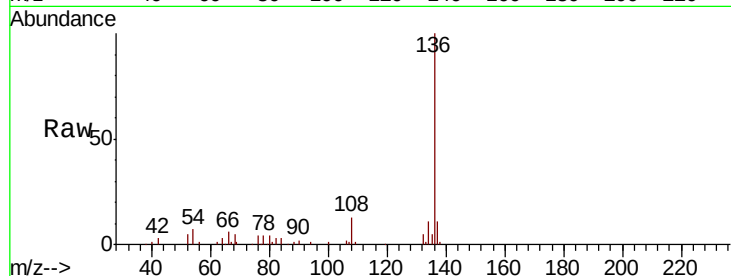




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

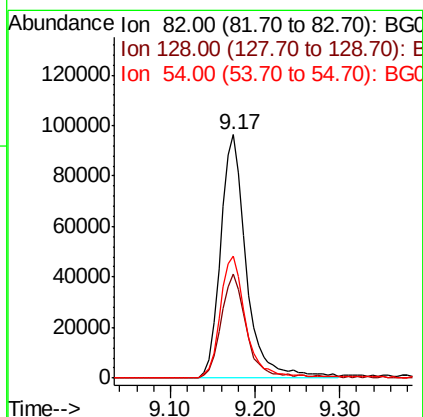
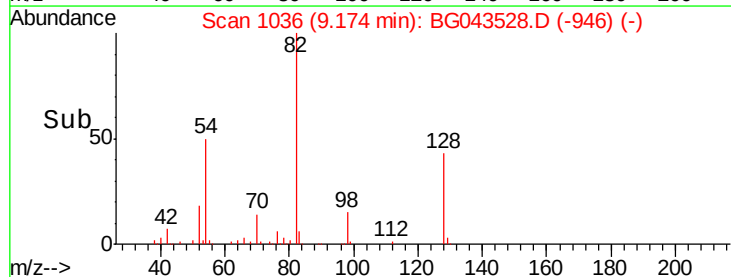
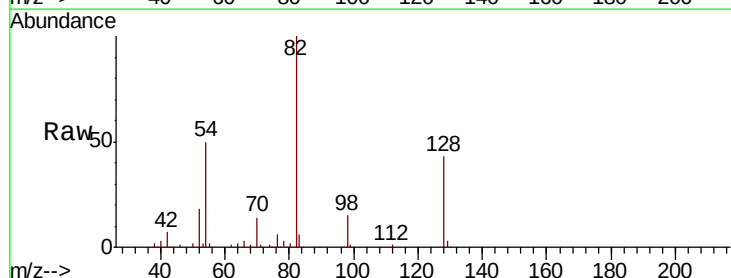
Instrument :
BNA_G
ClientSampleId :

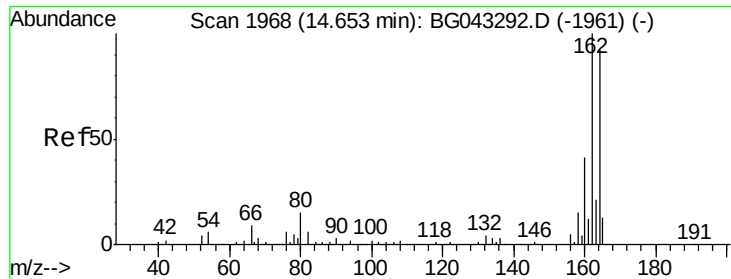
Tot Ion:136	Resp:	98386
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.7 13.1
54	6.6	5.4 8.2
68	4.9	3.0 4.4



#23
Nitrobenzene-d5
Concen: 106.907 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Tgt Ion: 82	Resp:	204020
Ion Ratio	Lower	Upper
82	100	
128	42.6	35.0 52.6
54	50.1	40.2 60.2

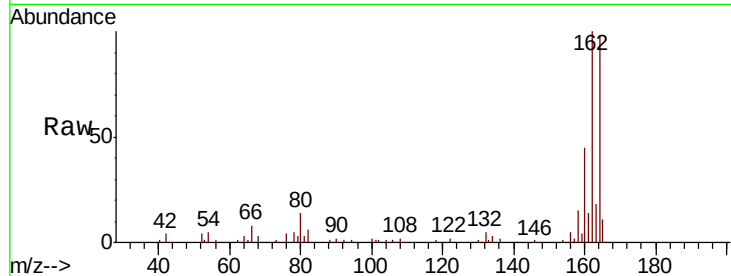




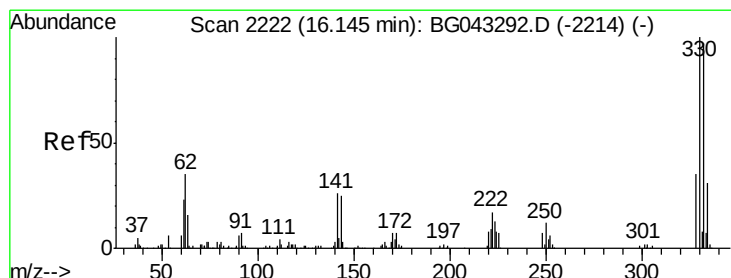
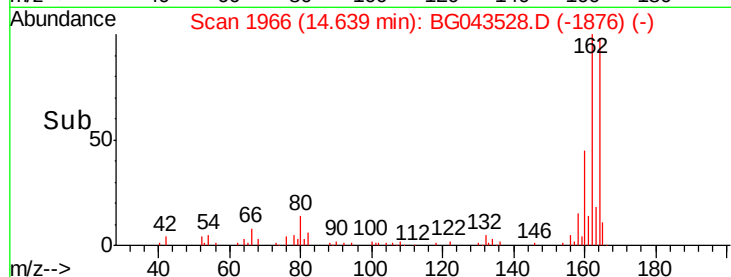
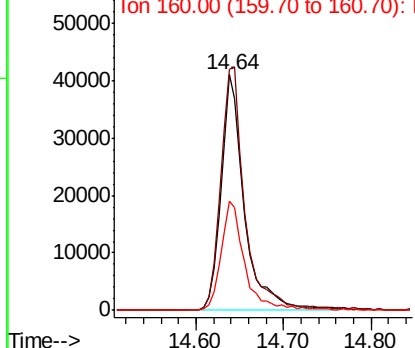
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 75088
Ion Ratio Lower Upper
164 100
162 102.4 83.5 125.3
160 46.6 36.5 54.7

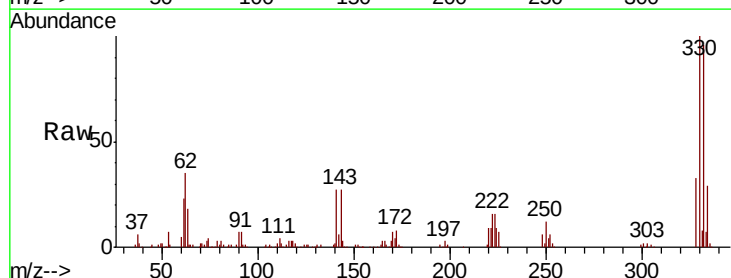


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

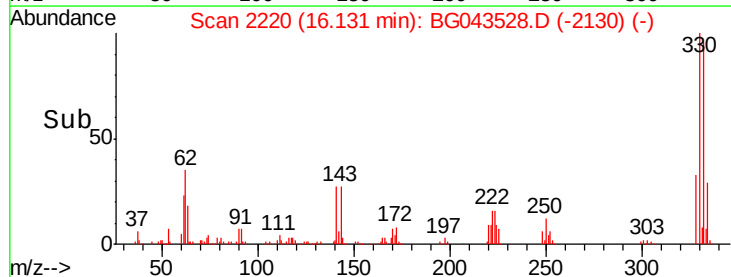
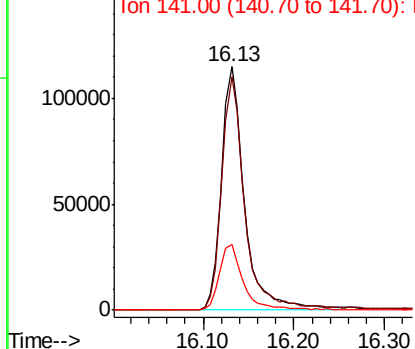


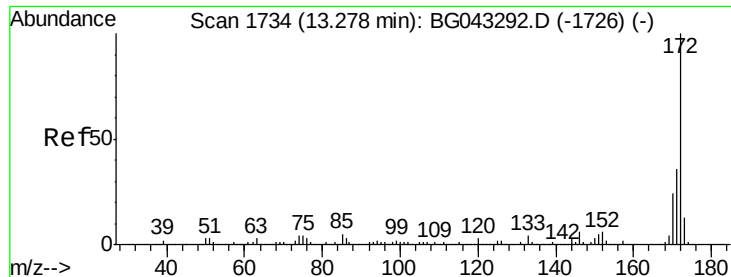
#42
2,4,6-Tribromophenol
Concen: 141.645 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Tgt Ion:330 Resp: 202401
Ion Ratio Lower Upper
330 100
332 94.4 77.4 116.0
141 27.7 22.8 34.2



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

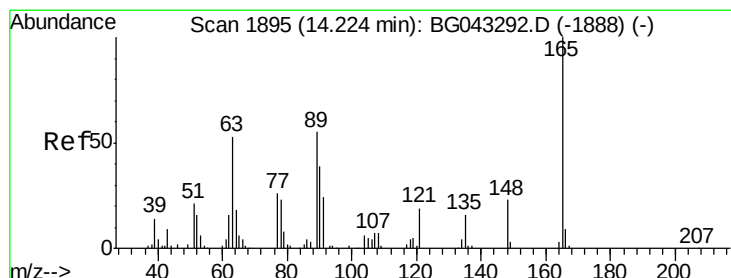
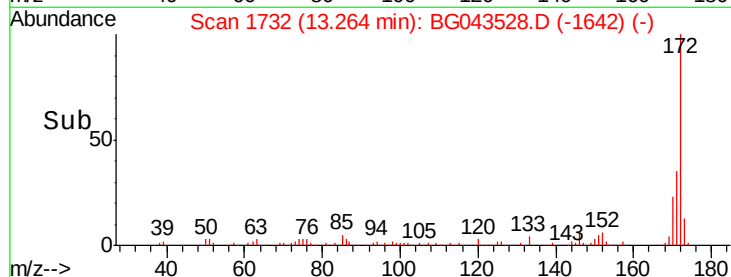
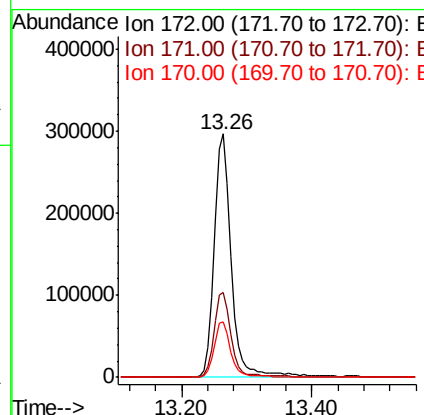
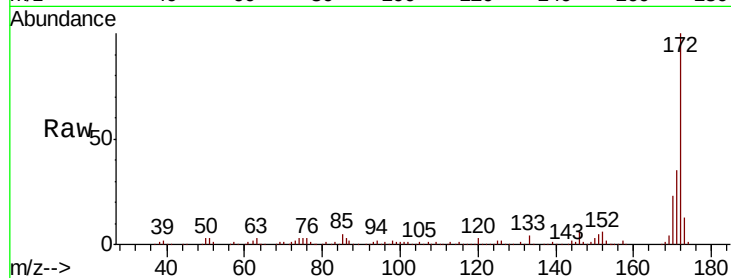




#45
 2-Fluorobiphenyl
 Concen: 99.941 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043528.D
 Acq: 6 Nov 2019 20:09

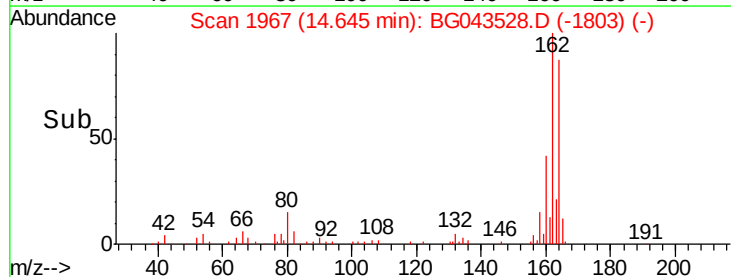
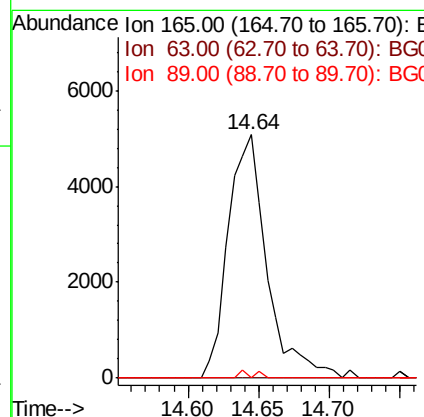
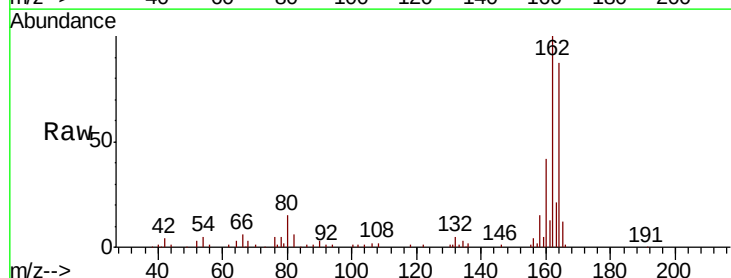
Instrument :
 BNA_G
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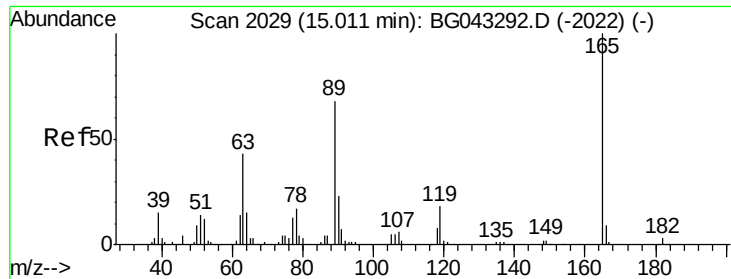
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	22.9	18.5	27.7



#51
 2,6-Dinitrotoluene
 Concen: 7.691 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.43 min
 Lab File: BG043528.D
 Acq: 6 Nov 2019 20:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.6	69.8#
89	0.0	45.1	67.7#

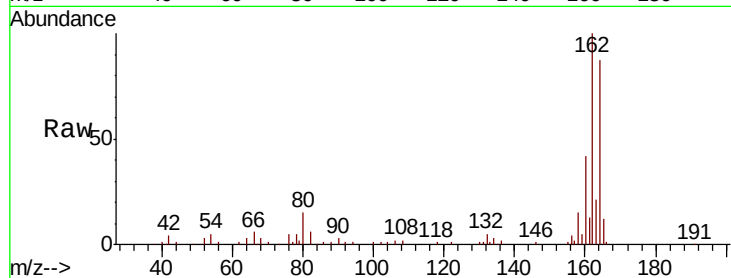




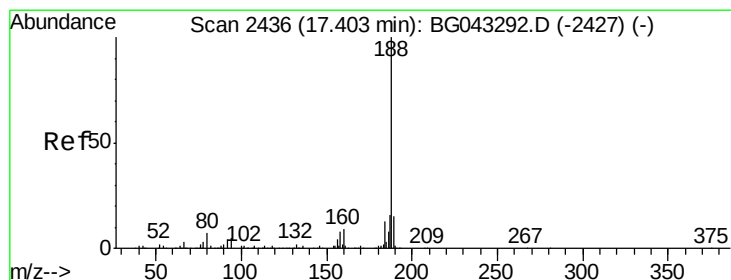
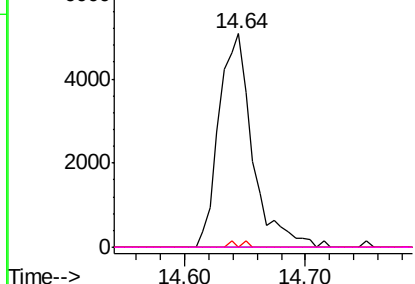
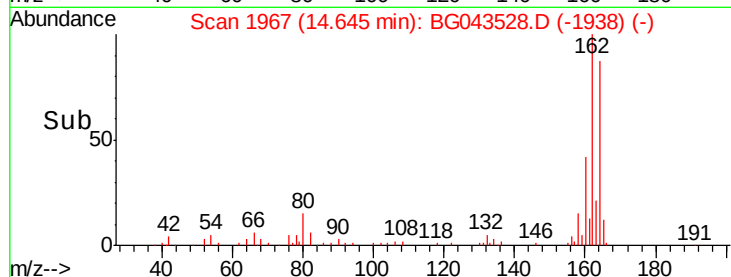
#57
 2,4-Dinitrotoluene
 Concen: 5.415 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043528.D
 Acq: 6 Nov 2019 20:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	9778
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#

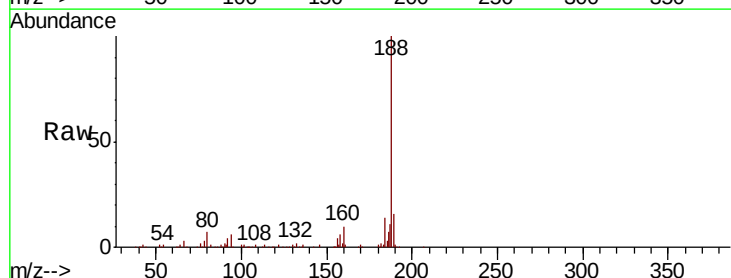


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

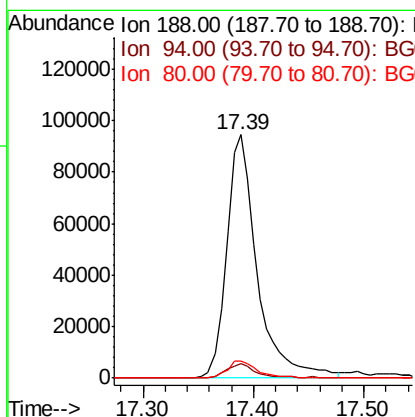
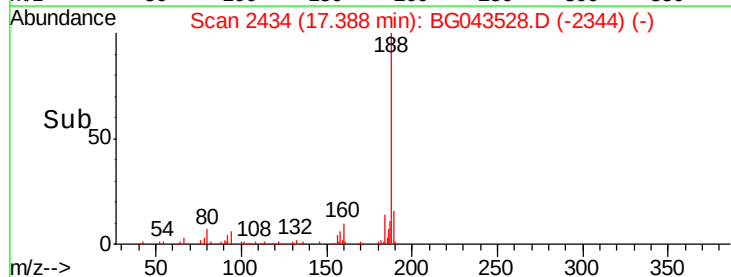


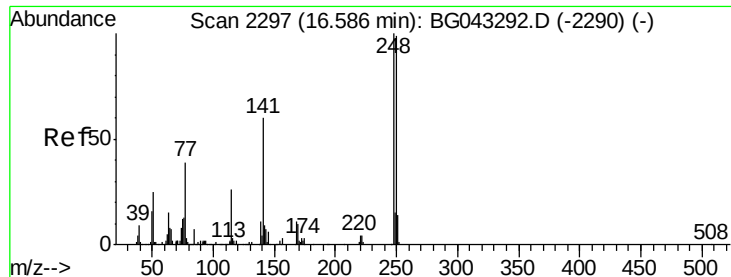
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.00 min
 Lab File: BG043528.D
 Acq: 6 Nov 2019 20:09

Tgt Ion:188	Resp:	182514
Ion	Ratio	Lower Upper
188	100	
94	6.1	4.2 6.4
80	7.0	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

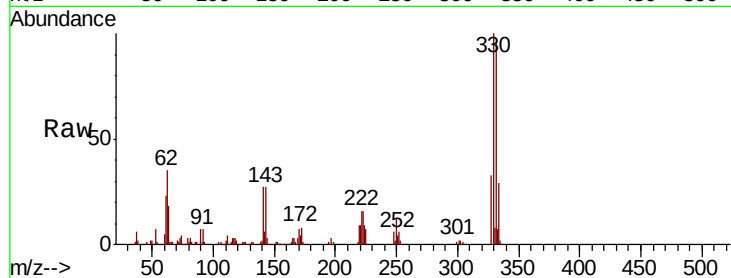




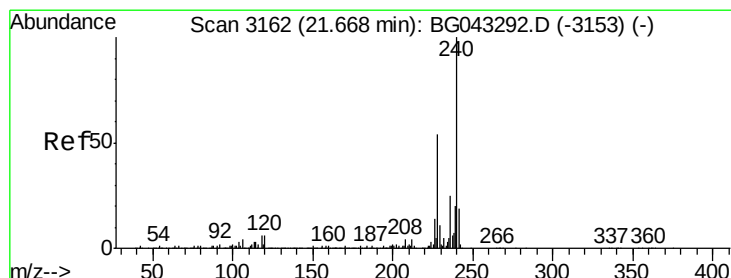
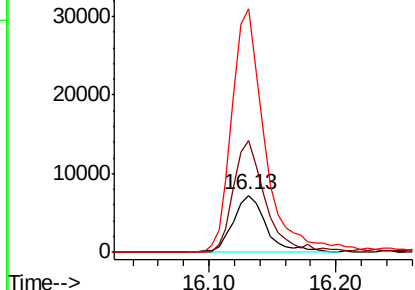
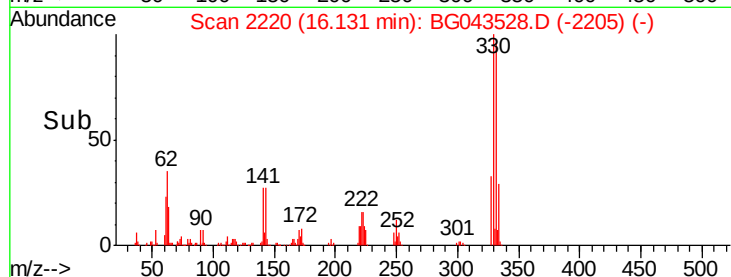
#67
4-Bromophenyl-phenylether
Concen: 5.336 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.44 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13106
Ion Ratio Lower Upper
248 100
250 195.0 77.0 115.4#
141 425.4 47.5 71.3#

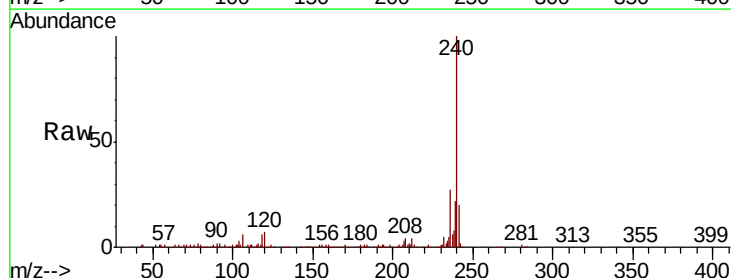


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

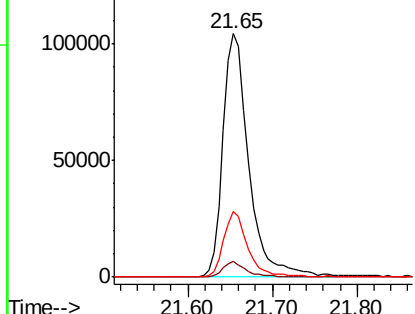
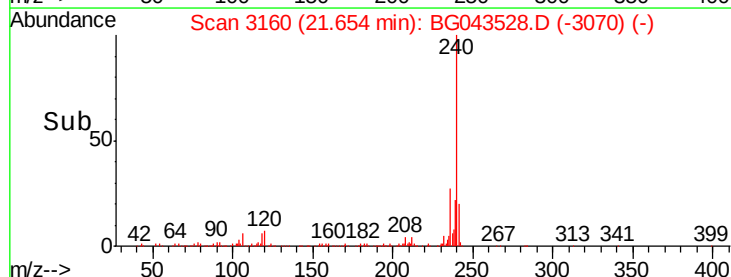


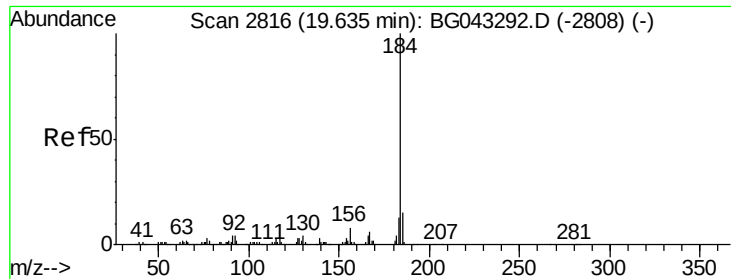
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Tgt Ion:240 Resp: 221575
Ion Ratio Lower Upper
240 100
120 6.6 4.6 6.8
236 27.2 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

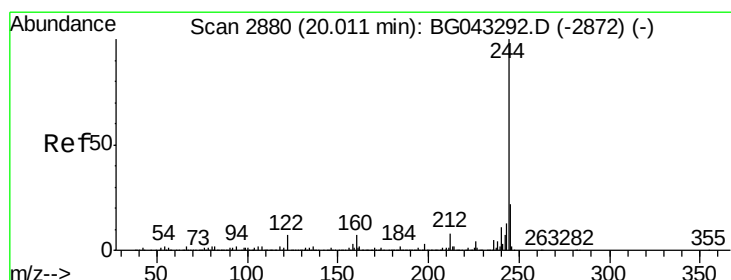
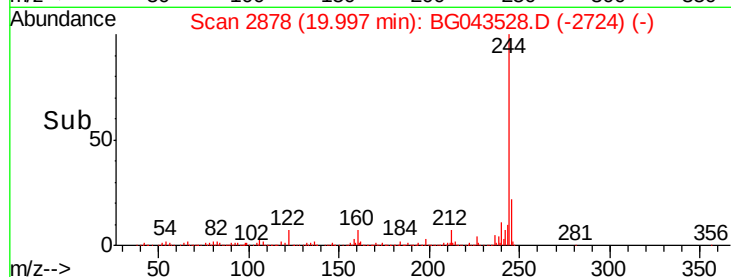
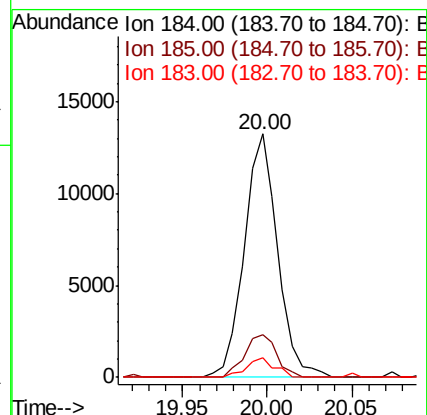
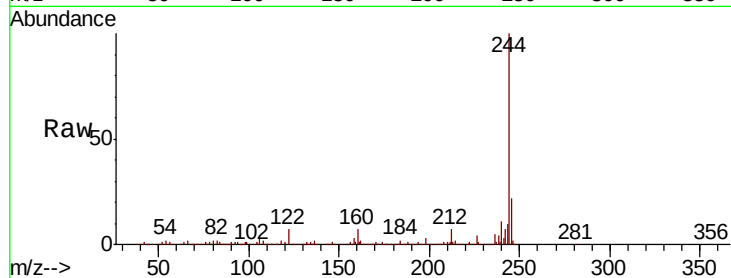




#77
Benzidine
Concen: 4.081 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.37 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

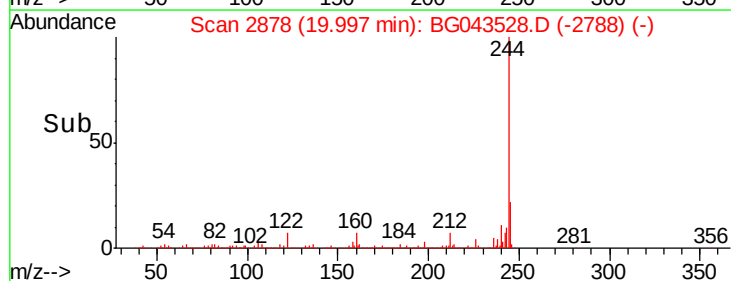
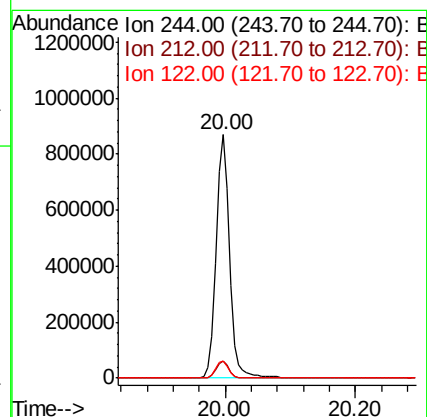
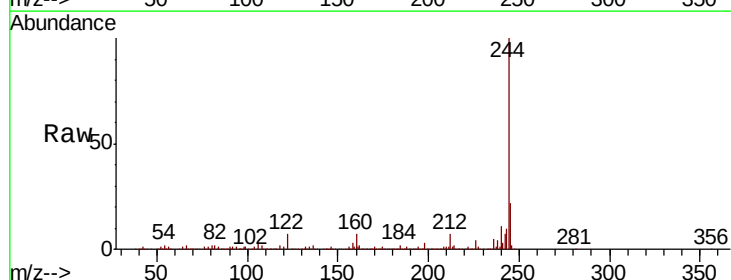
Instrument :
BNA_G
ClientSampleId :

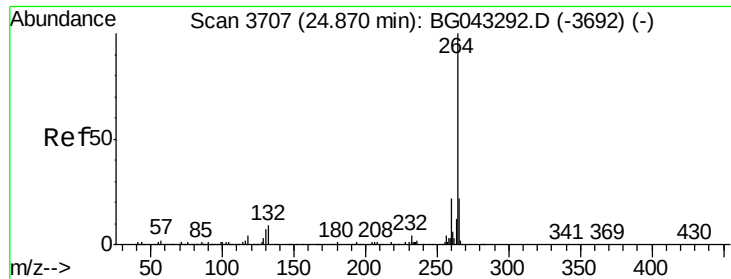
Tot Ion:184 Resp: 18197
Ion Ratio Lower Upper
184 100
185 17.6 11.0 16.4#
183 8.0 10.0 15.0#



#79
Terphenyl-d14
Concen: 105.317 ng
RT: 20.00 min Scan# 2878
Delta R.T. -0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Tgt Ion:244 Resp: 1243863
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 7.0 5.4 8.2





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.00 min
Lab File: BG043528.D
Acq: 6 Nov 2019 20:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.5	26.3
265	19.9	17.4	26.0

