

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110819\
 Data File : BG043575.D
 Acq On : 8 Nov 2019 18:41
 Operator : JU
 Sample : K5742-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-11-(12-14)

Quant Time: Nov 11 00:33:26 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	8.00	152	31117	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	110672	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	83863	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	199957	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	202037	20.00	ng	0.00
87) Perylene-d12	24.84	264	226421	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	244189	143.80	ng	0.01
7) Phenol-d6	7.21	99	337725	138.23	ng	0.01
23) Nitrobenzene-d5	9.17	82	198210	92.33	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	200177	125.43	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	512909	84.51	ng	-0.01
79) Terphenyl-d14	19.99	244	921246	85.54	ng	0.00

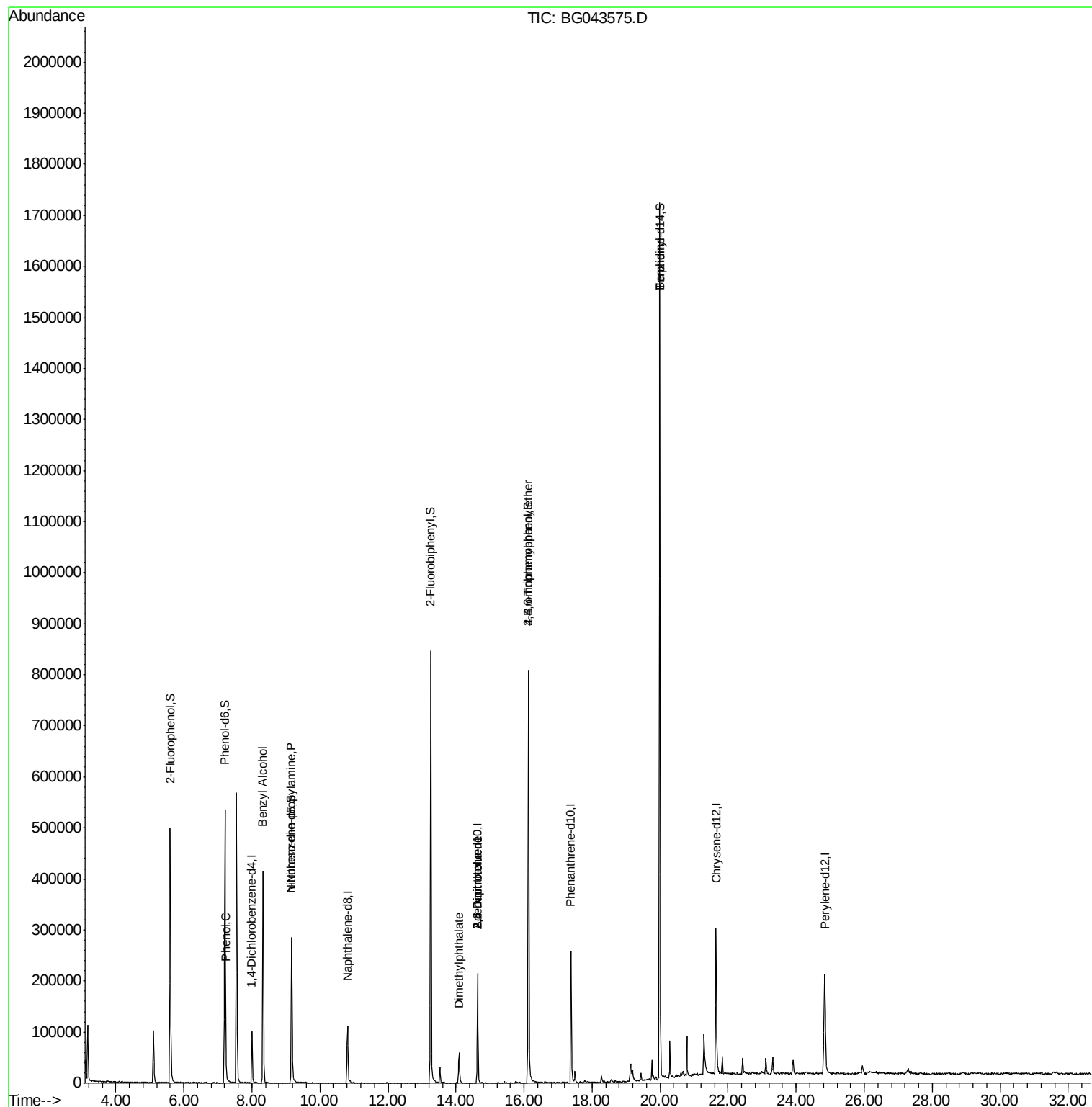
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.23	94	14005	6.273	ng	90
15) Benzyl Alcohol	8.33	79	3527	2.056	ng	# 47
19) n-Nitroso-di-n-propylamine	9.17	70	28438	18.013	ng	# 81
50) Dimethylphthalate	14.09	163	52584	8.095	ng	97
51) 2,6-Dinitrotoluene	14.64	165	11491	8.143	ng	# 22
57) 2,4-Dinitrotoluene	14.64	165	11491	5.698	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	12739	4.734	ng	# 1
77) Benzidine	19.99	184	12704	3.124	ng	# 94

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

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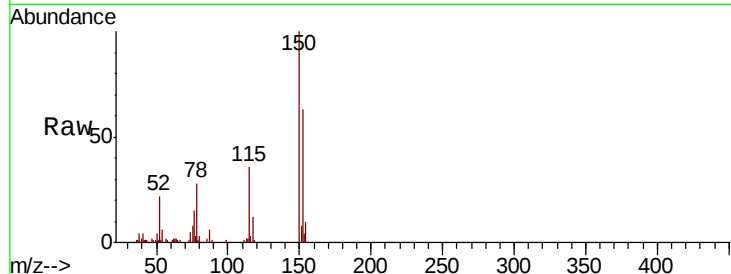


#1

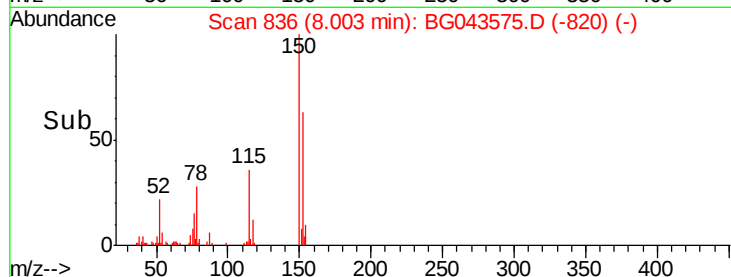
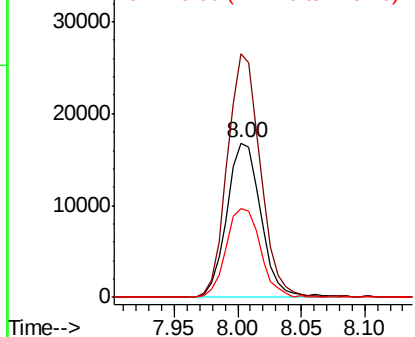
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043575.D
Acq: 8 Nov 2019 18:41

Instrument :
BNA_G
ClientSampleId :
SB-11-(12-14)

Tot Ion	152	Resp	31117
Ion	Ratio	Lower	Upper
152	100		
150	157.8	129.4	194.0
115	57.6	48.8	73.2



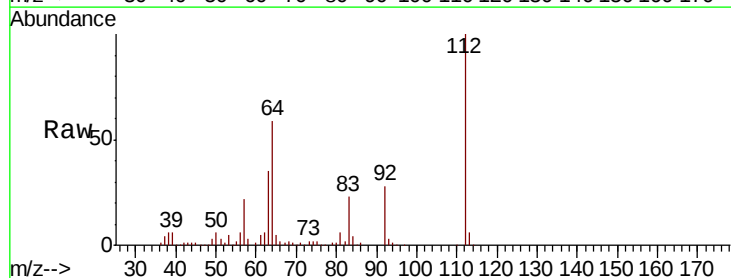
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



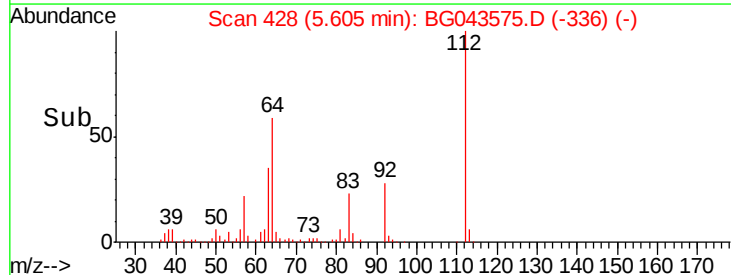
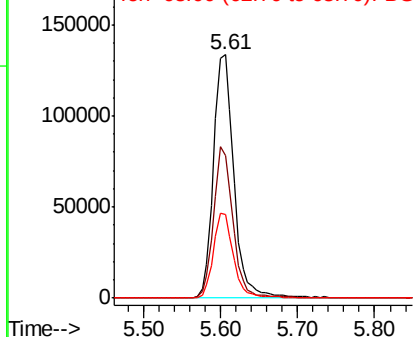
#5

2-Fluorophenol
Concen: 143.800 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043575.D
Acq: 8 Nov 2019 18:41

Tgt Ion	112	Resp	244189
Ion	Ratio	Lower	Upper
112	100		
64	58.7	50.0	75.0
63	34.5	26.6	40.0



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: 138.232 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

SB-11-(12-14)

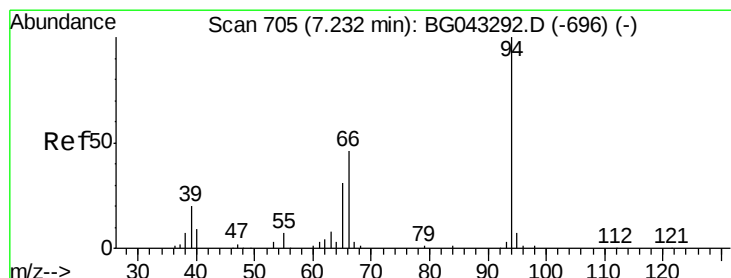
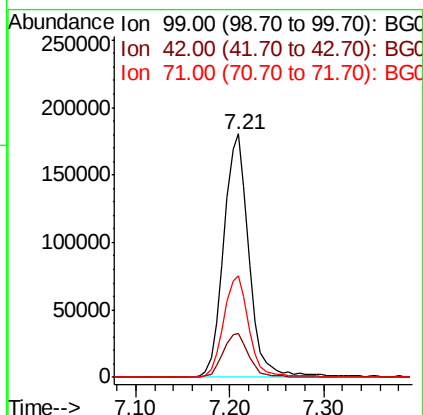
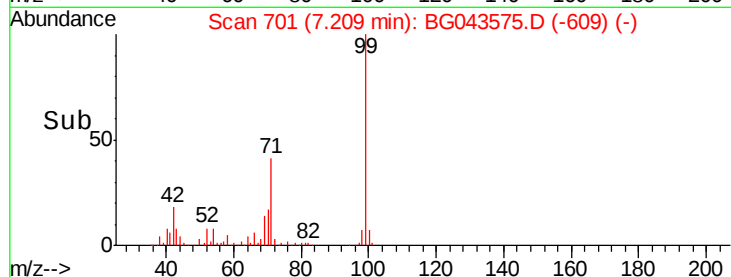
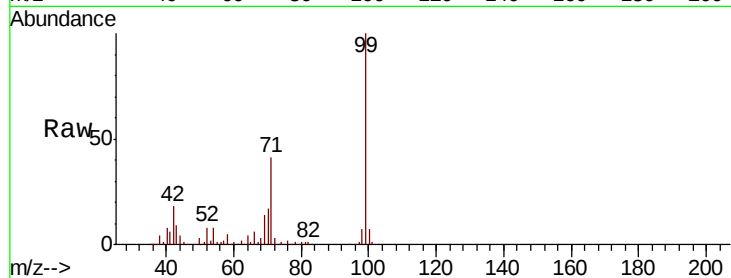
Tot Ion: 99 Resp: 337725

Ion Ratio Lower Upper

99 100

42 18.2 14.6 21.8

71 41.5 32.5 48.7



#10

Phenol

Concen: 6.273 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

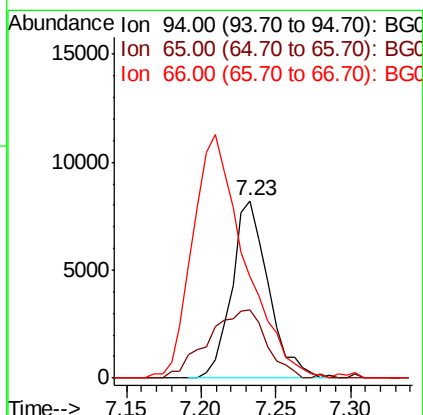
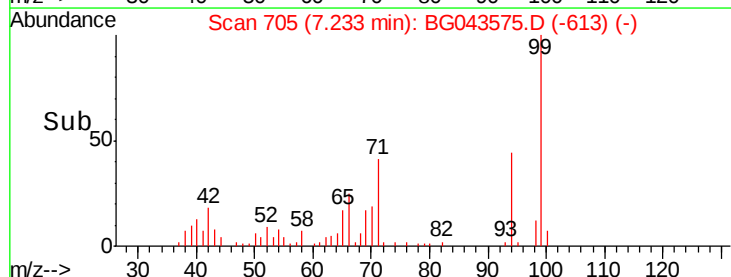
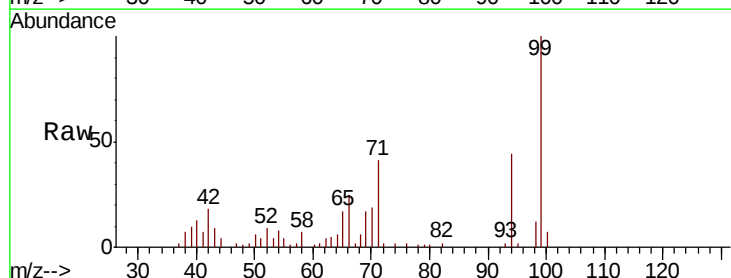
Tgt Ion: 94 Resp: 14005

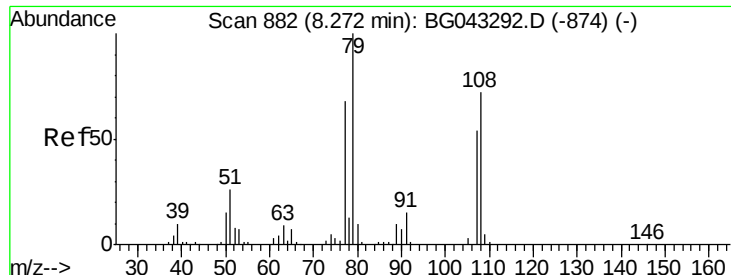
Ion Ratio Lower Upper

94 100

65 38.8 12.6 52.6

66 57.2 30.7 70.7





#15

Benzyl Alcohol

Concen: 2.056 ng

RT: 8.33 min Scan# 891

Delta R.T. 0.07 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

SB-11-(12-14)

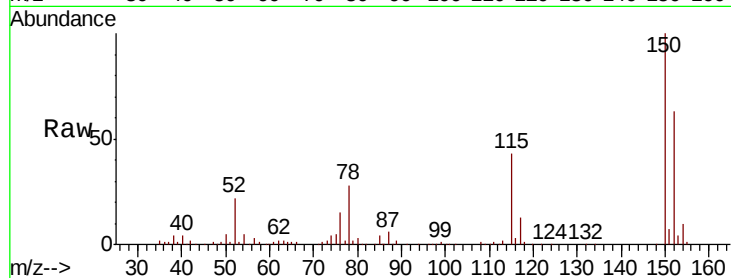
Tot Ion: 79 Resp: 3527

Ion Ratio Lower Upper

79 100

108 45.6 53.6 80.4#

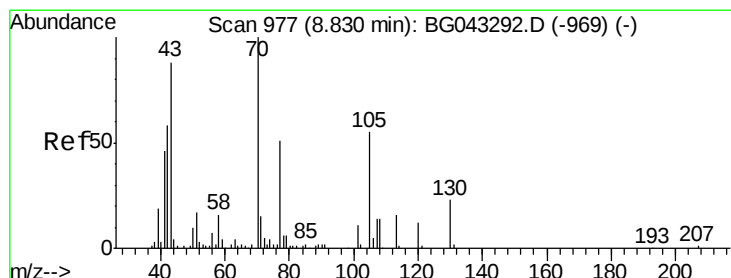
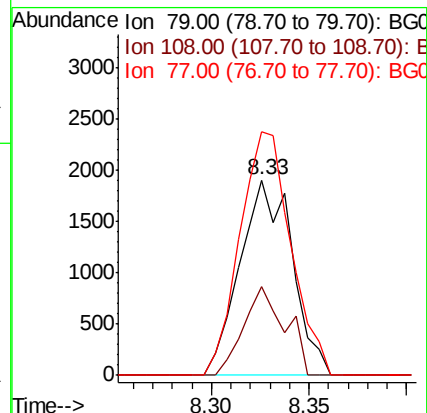
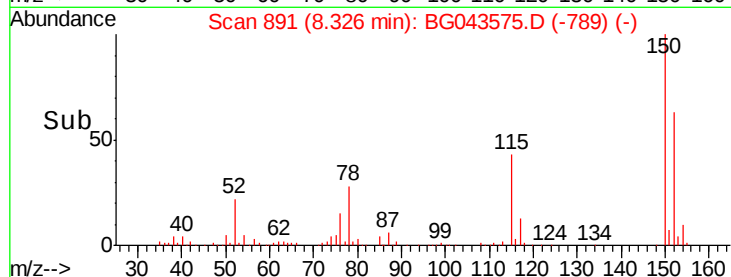
77 124.8 49.6 74.4#



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: 18.013 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Tgt Ion: 70 Resp: 28438

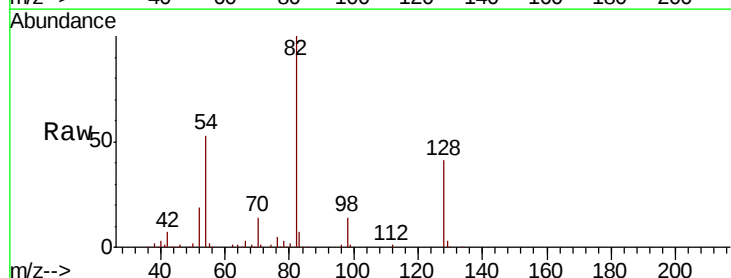
Ion Ratio Lower Upper

70 100

42 47.0 41.4 62.2

101 0.0 7.9 11.9#

130 2.4 19.0 28.4#

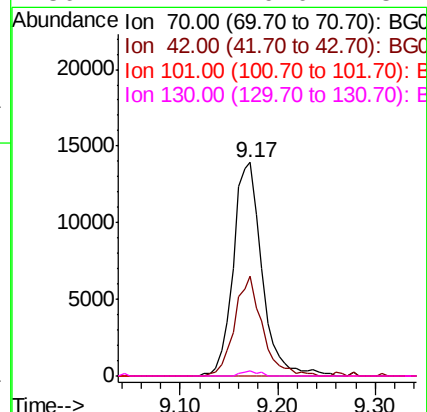
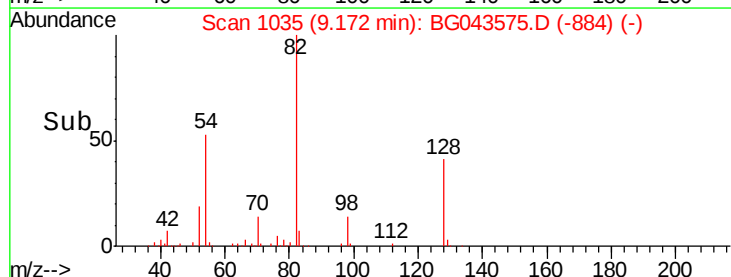


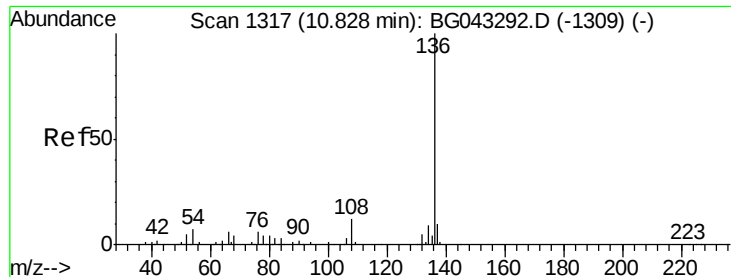
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

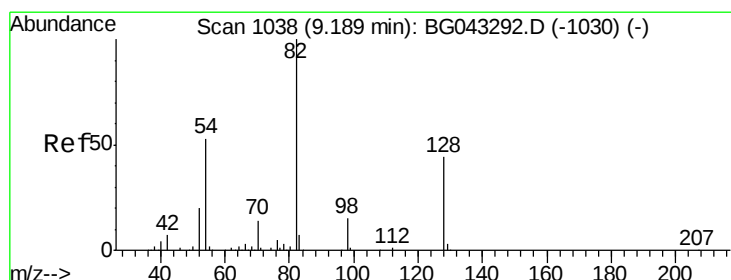
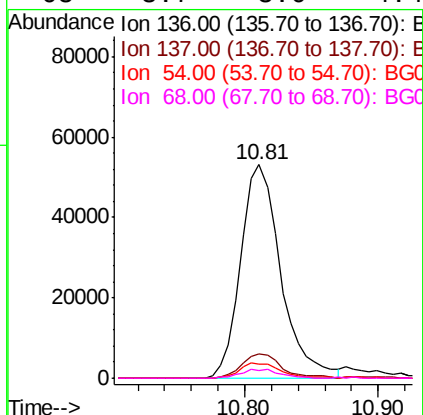
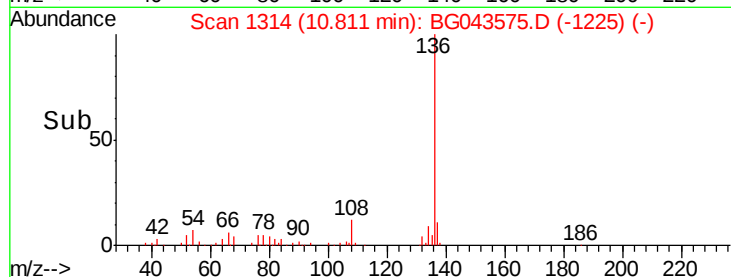
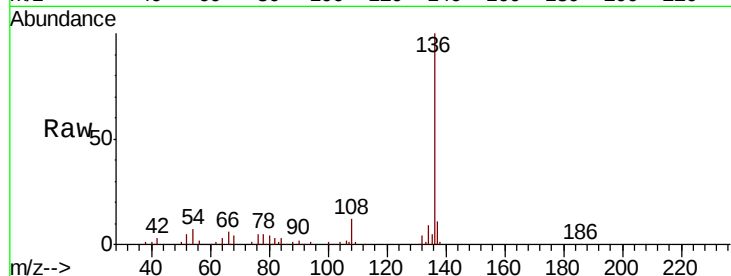




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG043575.D
Acq: 8 Nov 2019 18:41

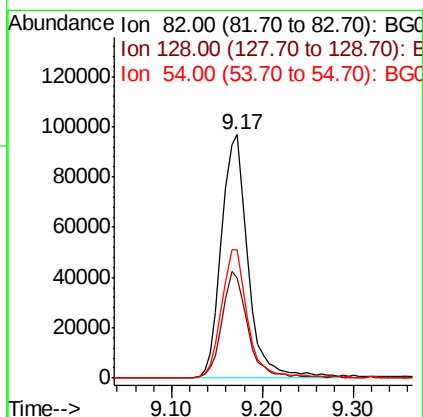
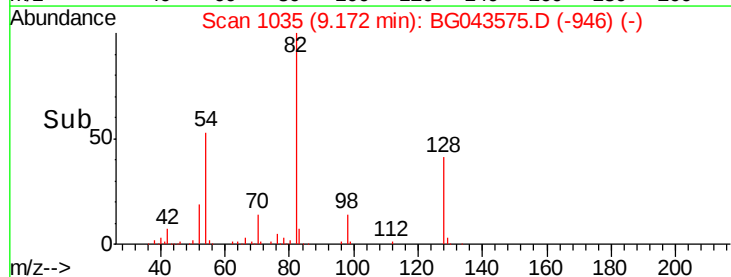
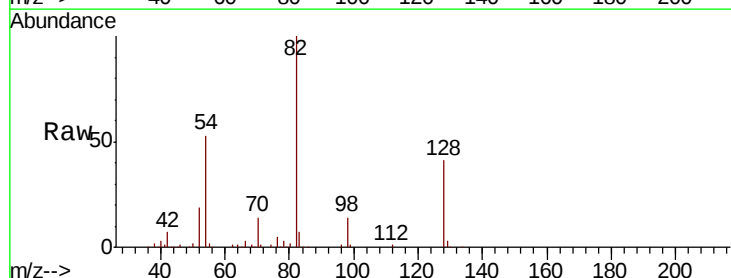
Instrument :
BNA_G
ClientSampleId :
SB-11-(12-14)

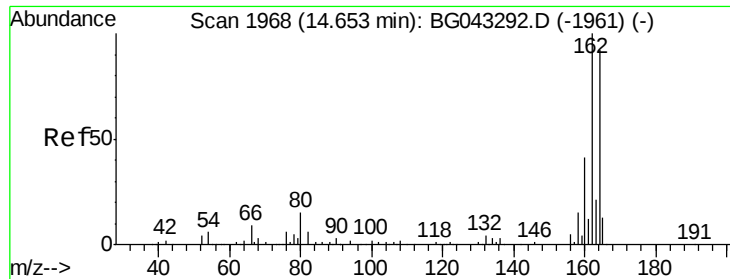
Tot Ion:136	Resp:	110672	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.7	13.1	
54 6.8	5.4	8.2	
68 3.7	3.0	4.4	



#23
Nitrobenzene-d5
Concen: 92.332 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG043575.D
Acq: 8 Nov 2019 18:41

Tgt	Ion: 82	Resp:	198210
Ion	Ratio	Lower	Upper
82	100		
128	41.4	35.0	52.6
54	52.9	40.2	60.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

SB-11-(12-14)

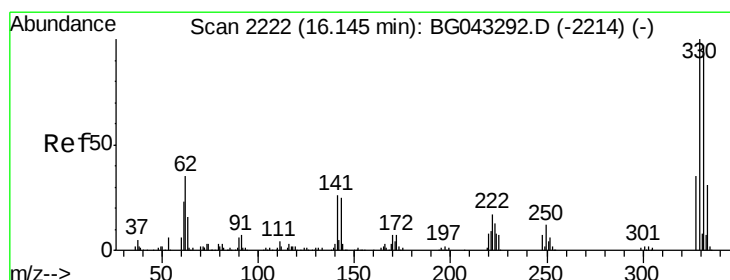
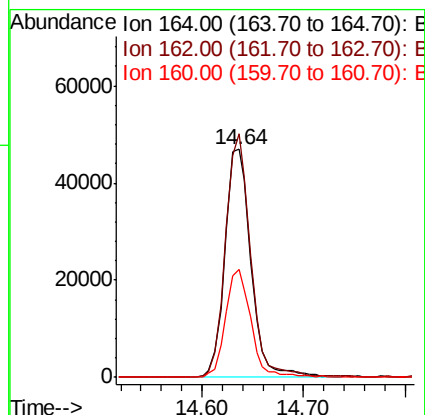
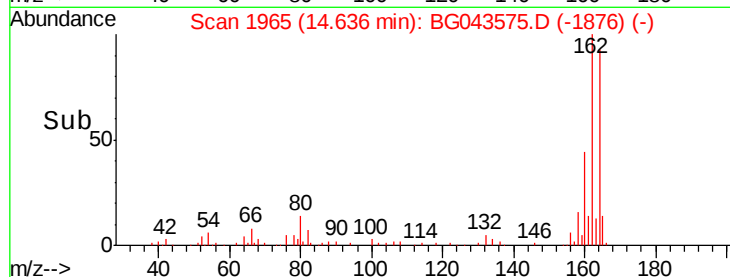
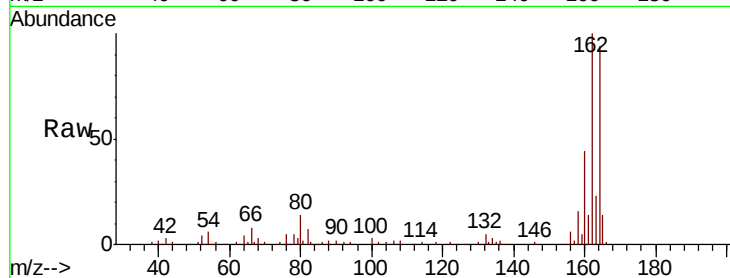
Tot Ion:164 Resp: 83863

Ion Ratio Lower Upper

164 100

162 106.7 83.5 125.3

160 47.4 36.5 54.7



#42

2,4,6-Tribromophenol

Concen: 125.431 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

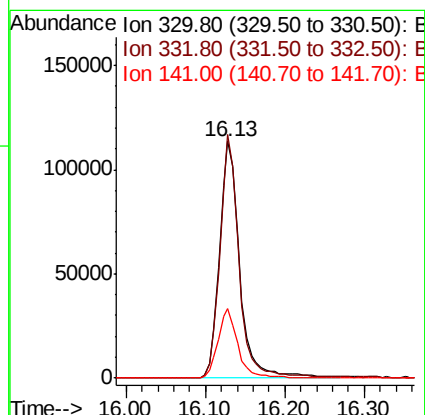
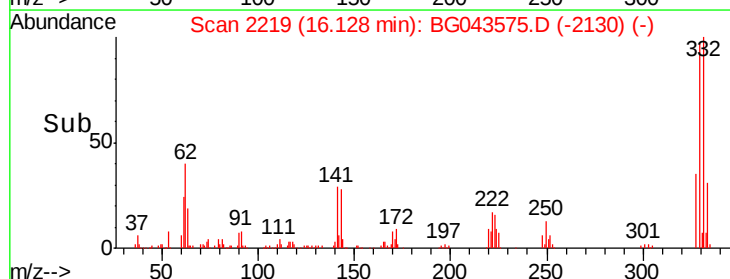
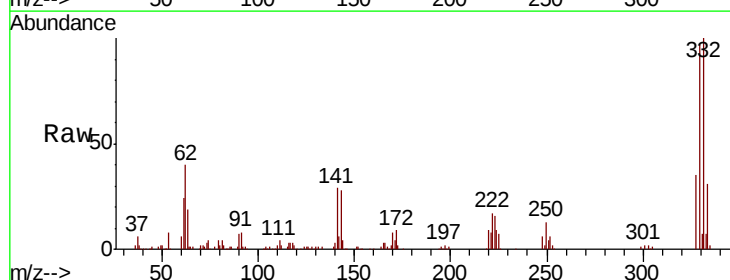
Tgt Ion:330 Resp: 200177

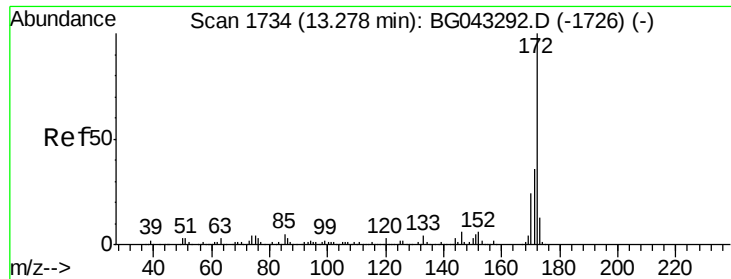
Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.0

141 28.9 22.8 34.2

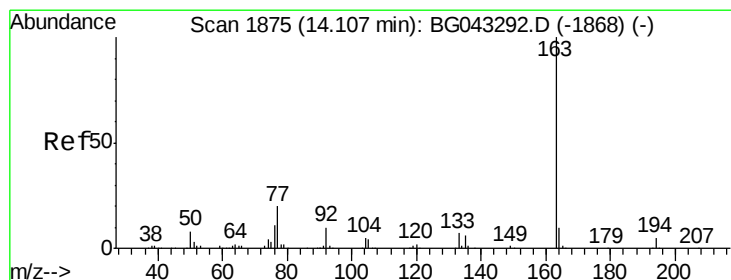
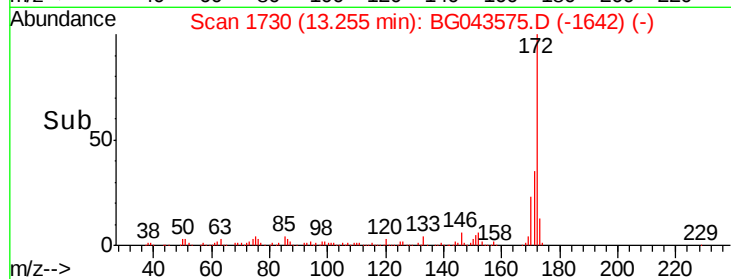
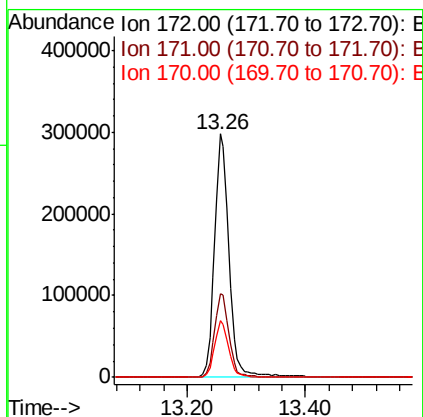
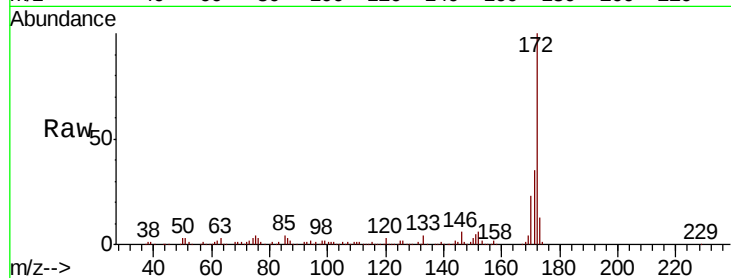




#45
2-Fluorobiphenyl
Concen: 84.512 ng
RT: 13.26 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG043575.D
Acq: 8 Nov 2019 18:41

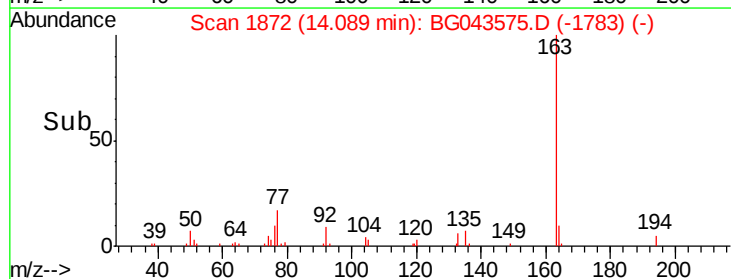
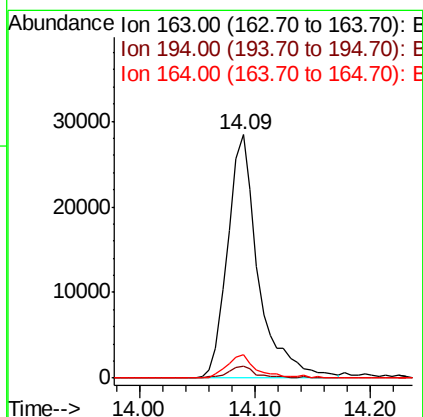
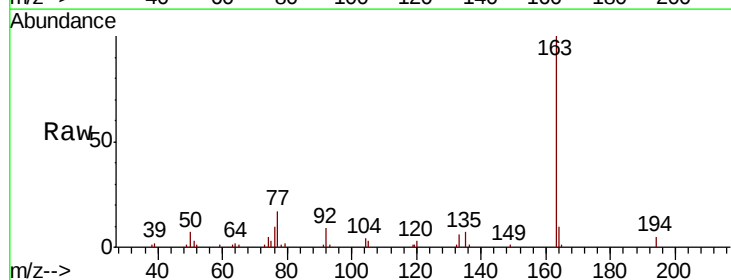
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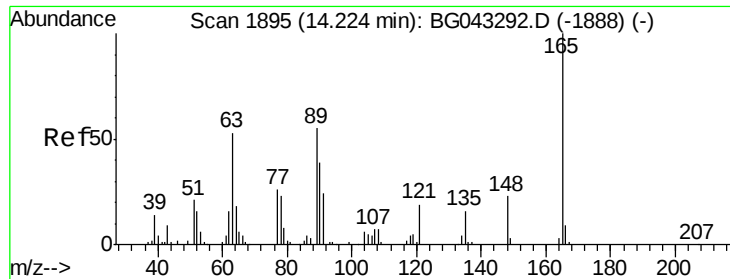
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.9	43.3
170	23.4	18.5	27.7



#50
Dimethylphthalate
Concen: 8.095 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG043575.D
Acq: 8 Nov 2019 18:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.8	5.6
164	9.6	8.9	13.3





#51

2,6-Dinitrotoluene

Concen: 8.143 ng

RT: 14.64 min Scan# 1965

Delta R.T. 0.42 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

SB-11-(12-14)

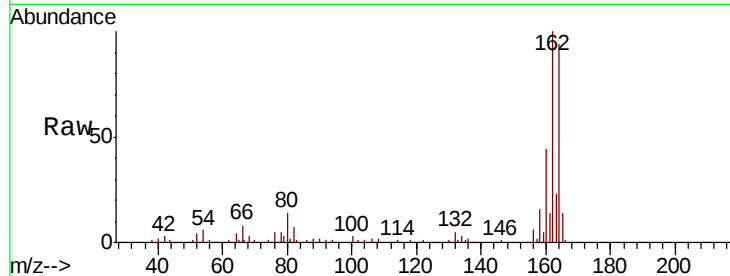
Tot Ion:165 Resp: 11491

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

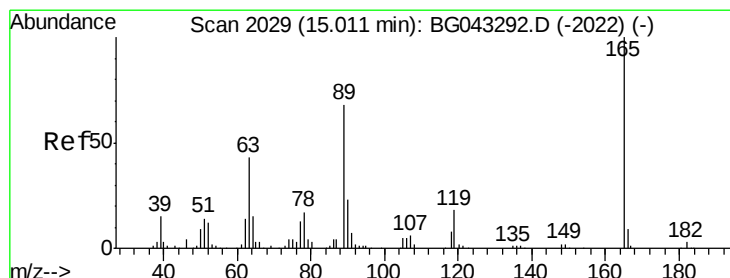
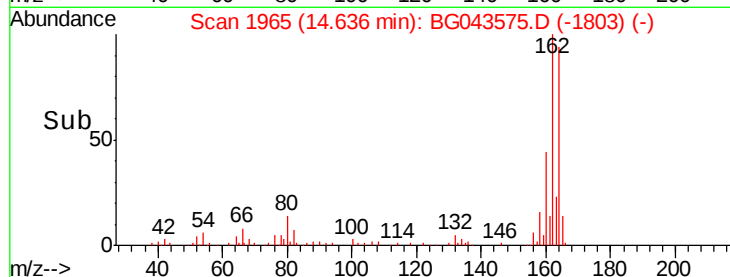
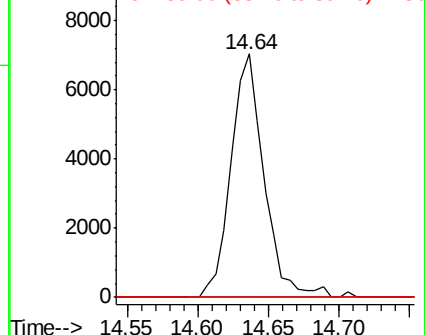
89 0.0 45.1 67.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.698 ng

RT: 14.64 min Scan# 1965

Delta R.T. -0.37 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Tgt Ion:165 Resp: 11491

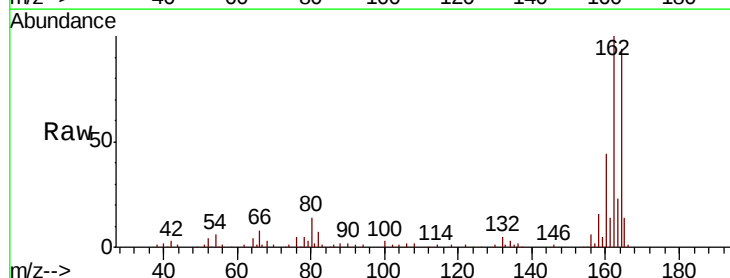
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

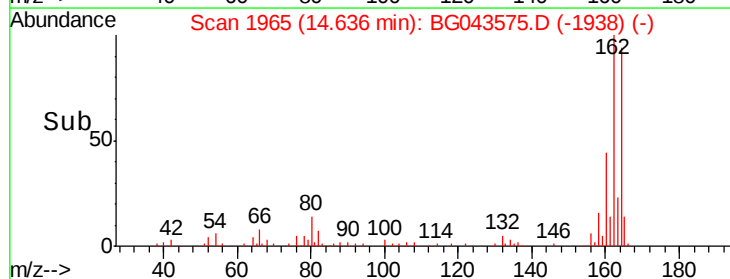
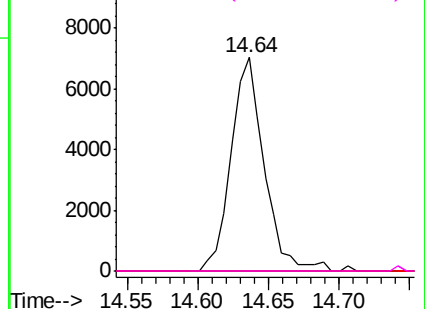


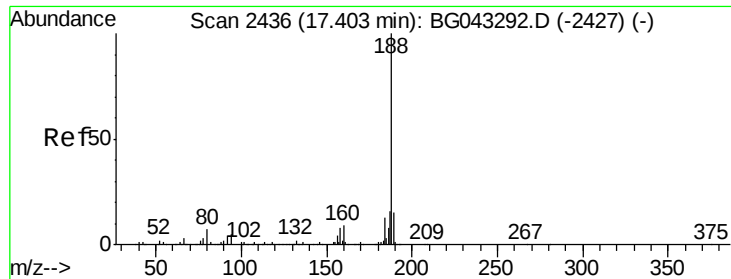
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

SB-11-(12-14)

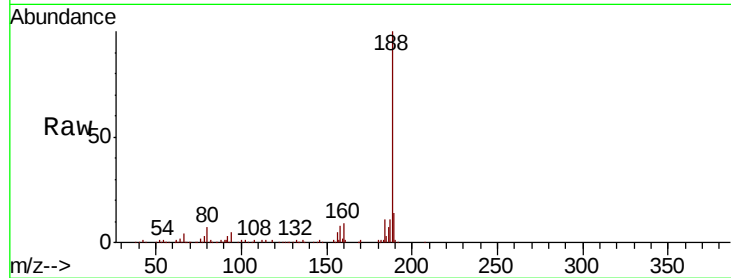
Tot Ion:188 Resp: 199957

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.4

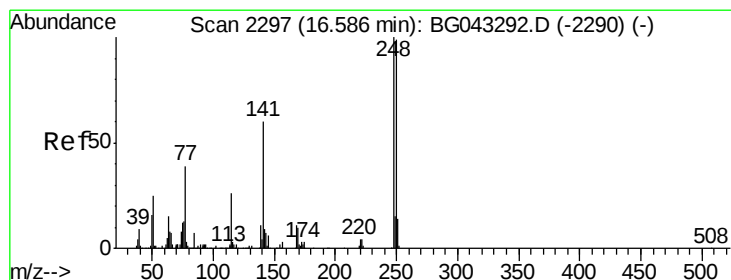
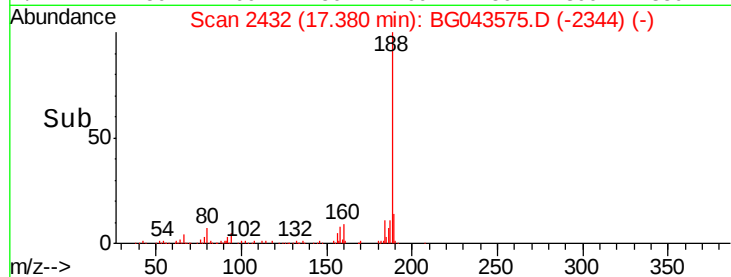
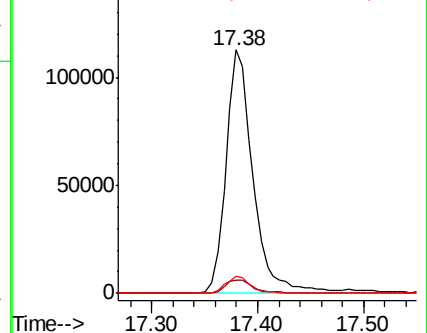
80 7.0 4.5 6.7#



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: 4.734 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

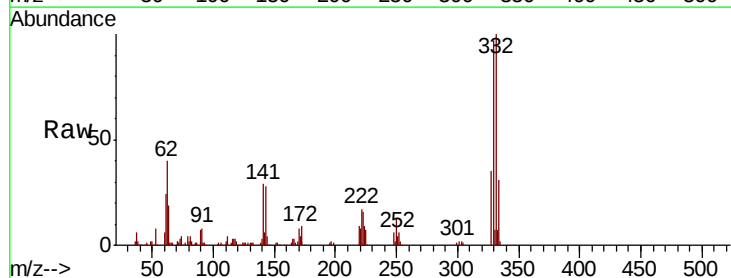
Tgt Ion:248 Resp: 12739

Ion Ratio Lower Upper

248 100

250 212.9 77.0 115.4#

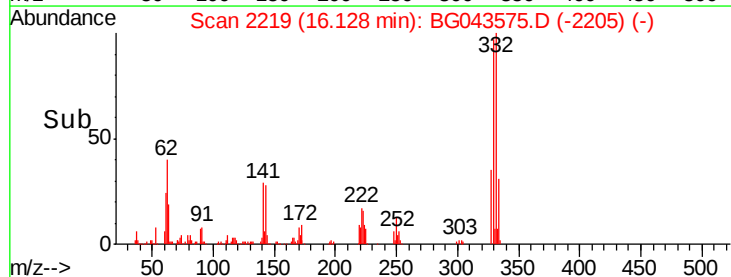
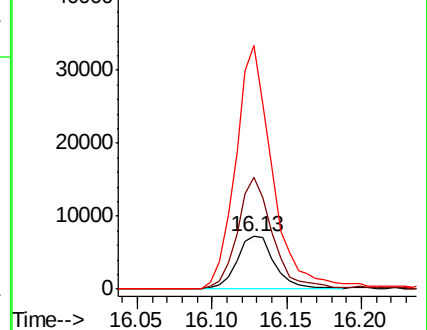
141 461.8 47.5 71.3#

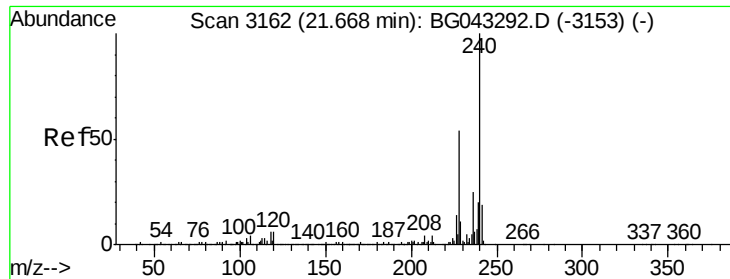


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

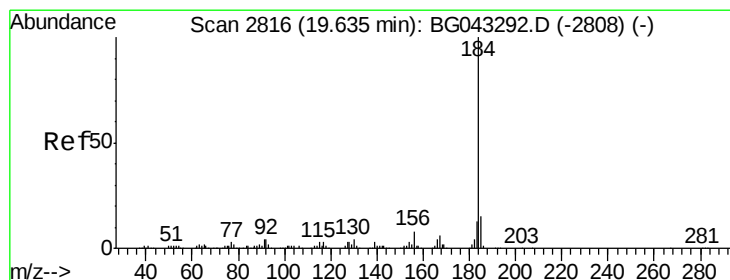
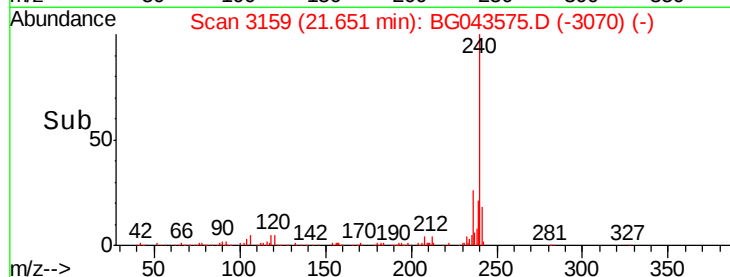
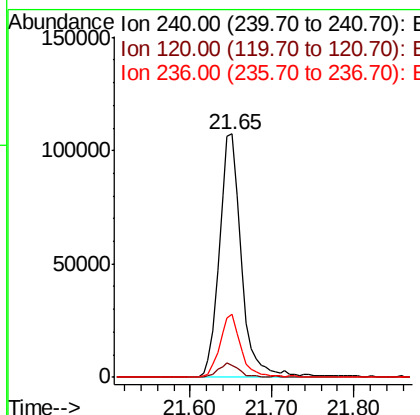
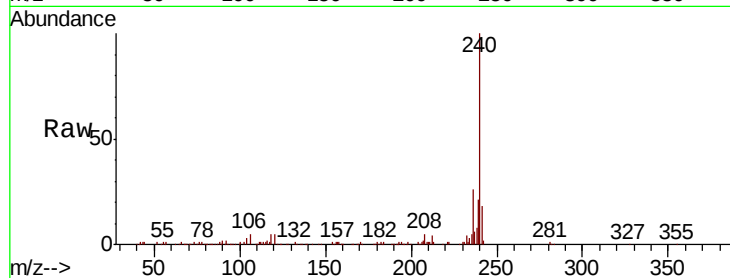




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.00 min
 Lab File: BG043575.D
 Acq: 8 Nov 2019 18:41

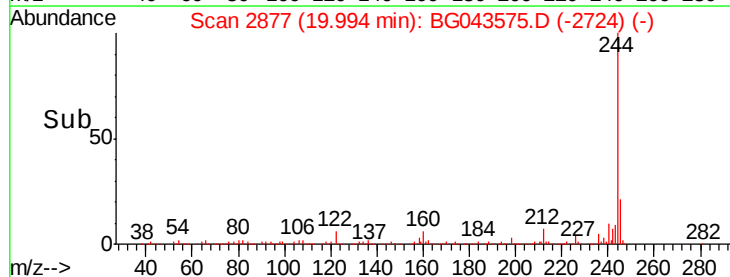
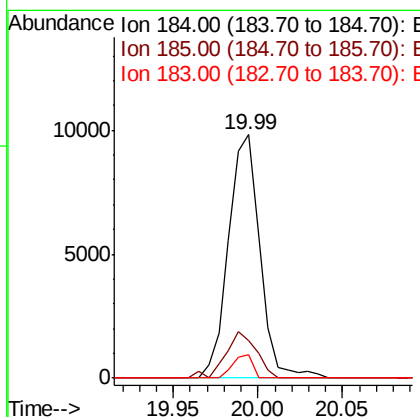
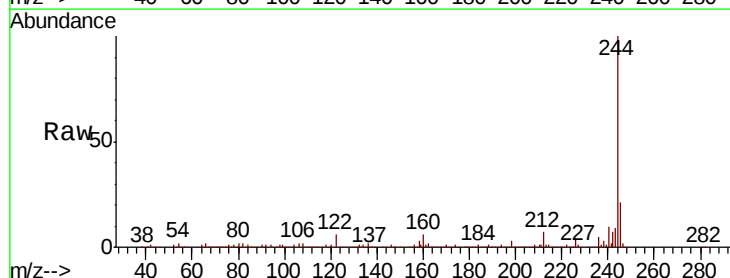
Instrument :
 BNA_G
 ClientSampleId :
 SB-11-(12-14)

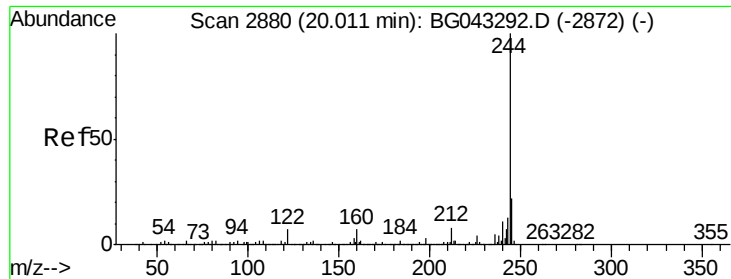
Tot Ion	Ratio	Lower	Upper
240	100		
120	4.7	4.6	6.8
236	25.7	19.8	29.8



#77
 Benzidine
 Concen: 3.124 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. 0.37 min
 Lab File: BG043575.D
 Acq: 8 Nov 2019 18:41

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.0	16.4
183	9.4	10.0	15.0#





#79

Terphenyl-d14

Concen: 85.544 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

SB-11-(12-14)

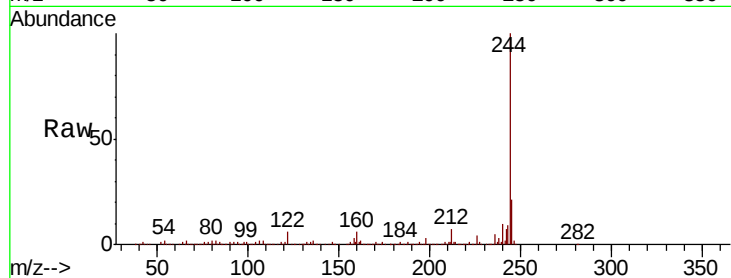
Tot Ion:244 Resp: 921246

Ion Ratio Lower Upper

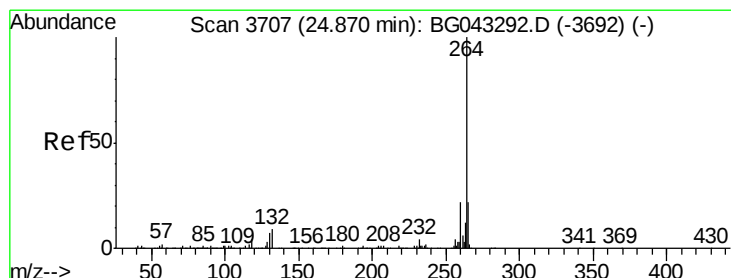
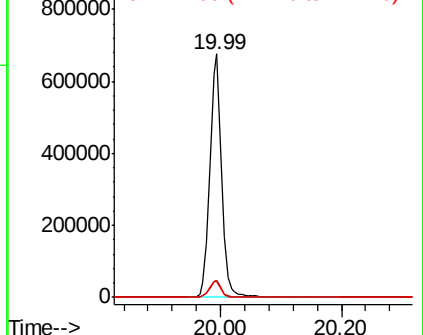
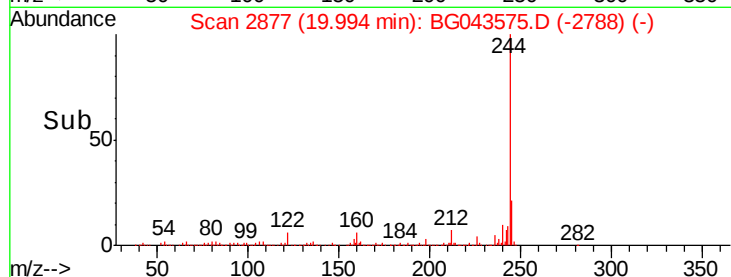
244 100

212 6.8 5.8 8.6

122 6.3 5.4 8.2



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: 24.84 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG043575.D

Acq: 8 Nov 2019 18:41

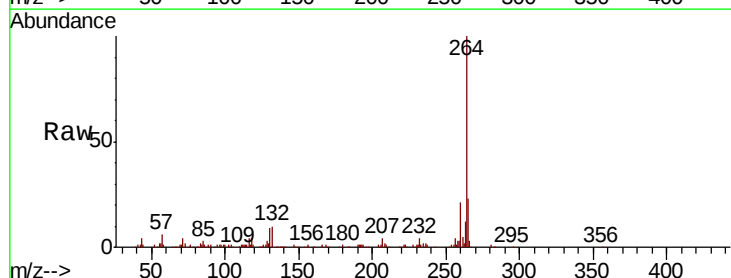
Tgt Ion:264 Resp: 226421

Ion Ratio Lower Upper

264 100

260 21.4 17.5 26.3

265 22.8 17.4 26.0



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

