

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043504.D
 Acq On : 5 Nov 2019 12:41
 Operator : JU
 Sample : PB124540BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 00:44:32 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

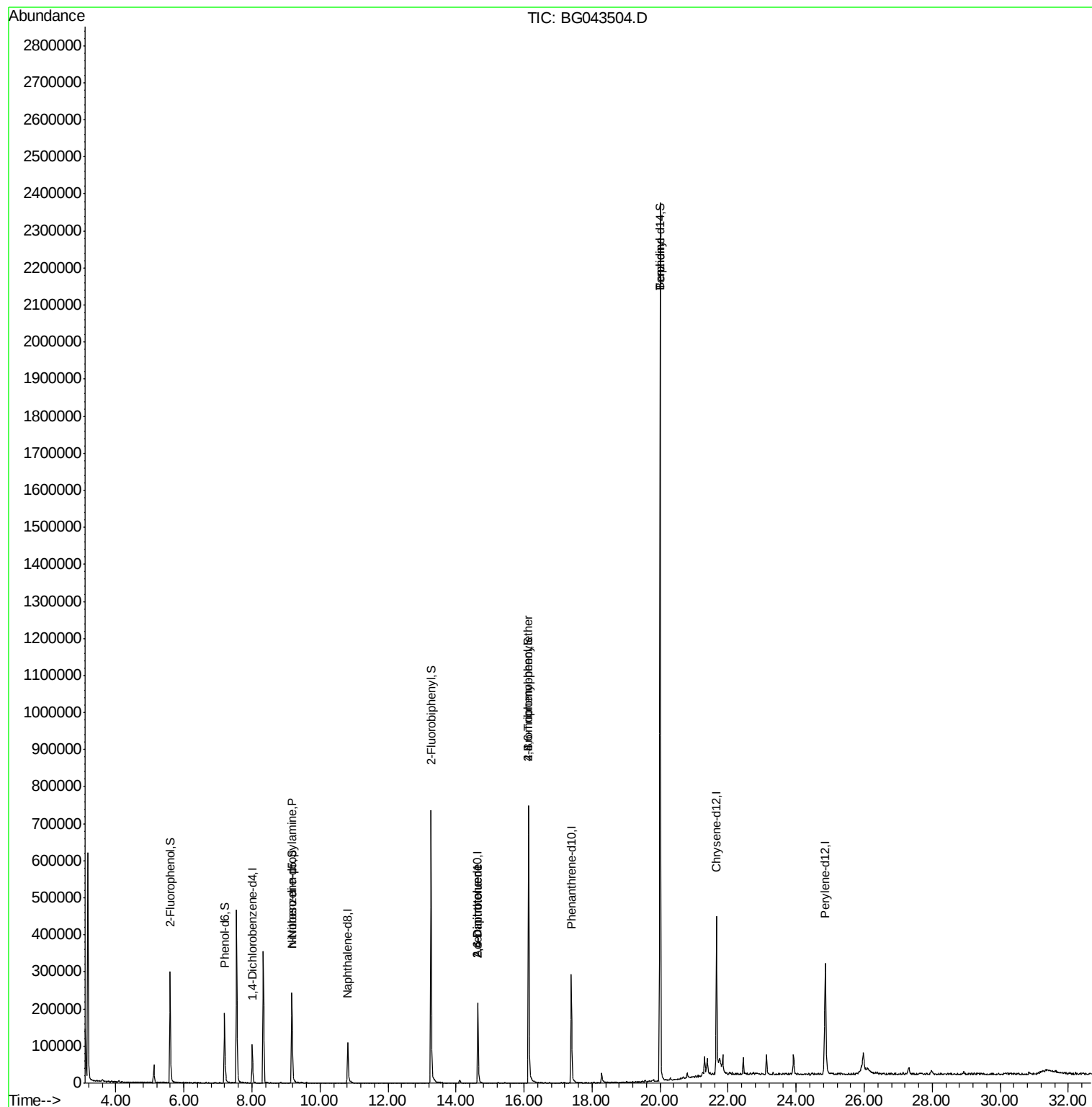
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	33368	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	120184	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	88332	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	236427	20.00	ng	0.00
76) Chrysene-d12	21.66	240	278865	20.00	ng	0.00
87) Perylene-d12	24.85	264	330650	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	148181	81.38	ng	0.00
7) Phenol-d6	7.20	99	126273	48.20	ng	0.00
23) Nitrobenzene-d5	9.18	82	175907	75.46	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	196349	116.81	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	464374	72.64	ng	0.00
79) Terphenyl-d14	20.00	244	1236286	83.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	24500	14.472	ng	# 76
51) 2,6-Dinitrotoluene	14.64	165	11758	7.910	ng	# 22
57) 2,4-Dinitrotoluene	14.64	165	11846	5.577	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	12881	4.048	ng	# 1
77) Benzidine	20.00	184	16894	3.010	ng	# 96

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

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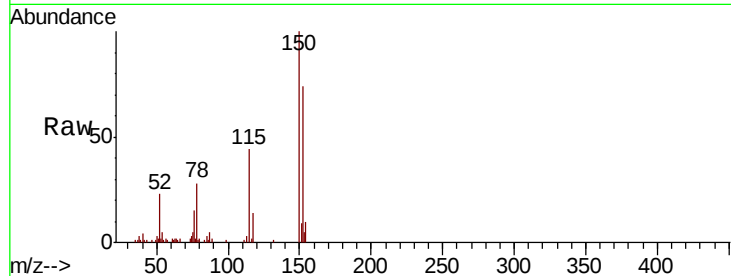


#1

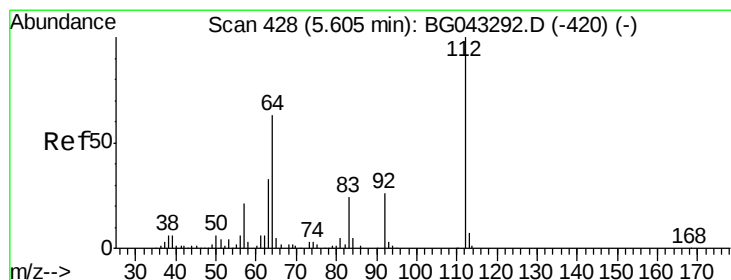
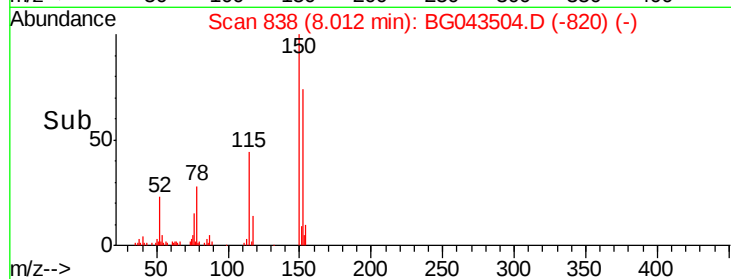
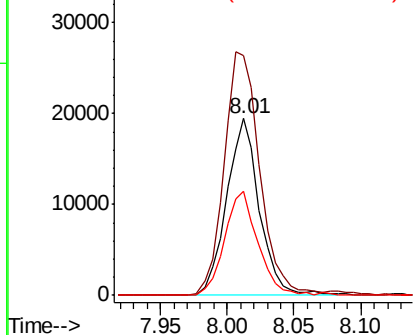
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043504.D
Acq: 5 Nov 2019 12:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33368
Ion Ratio Lower Upper
152 100
150 135.9 129.4 194.0
115 59.2 48.8 73.2



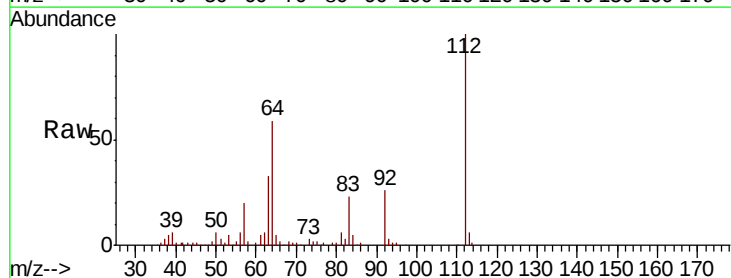
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



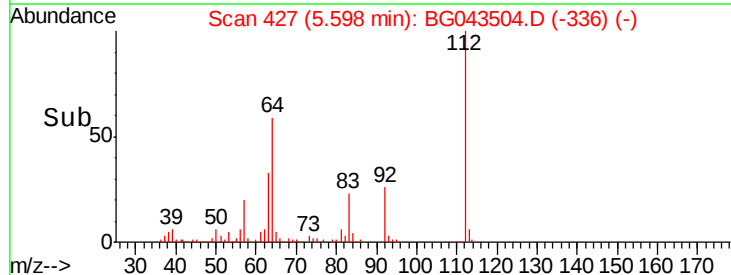
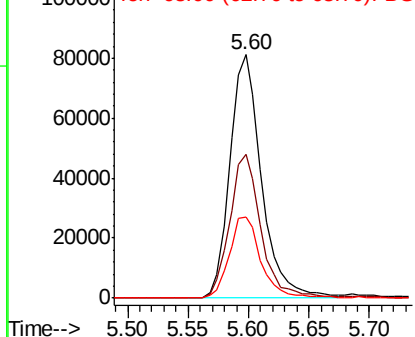
#5

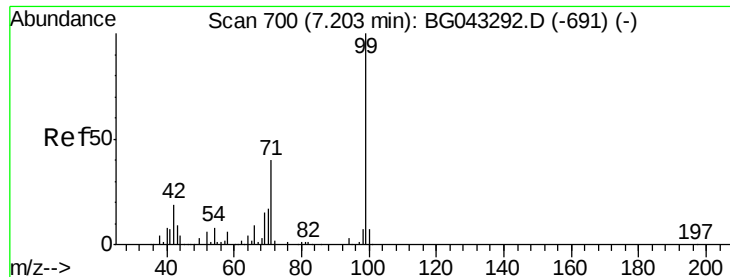
2-Fluorophenol
Concen: 81.376 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043504.D
Acq: 5 Nov 2019 12:41

Tgt Ion:112 Resp: 148181
Ion Ratio Lower Upper
112 100
64 59.1 50.0 75.0
63 33.3 26.6 40.0



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: 48.197 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043504.D

Acq: 5 Nov 2019 12:41

Instrument :

BNA_G

ClientSampled :

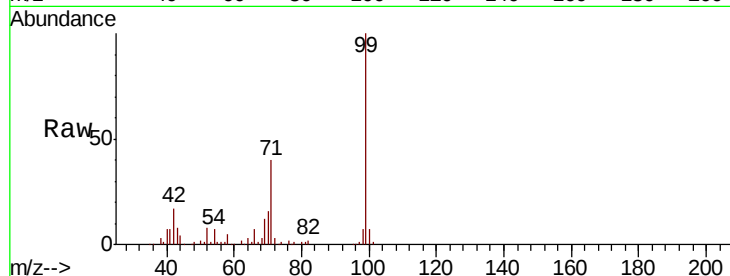
Tot Ion: 99 Resp: 126273

Ion Ratio Lower Upper

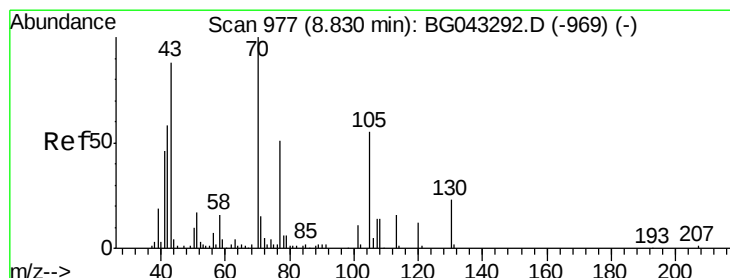
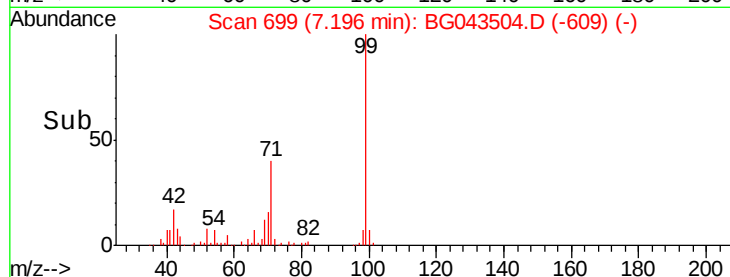
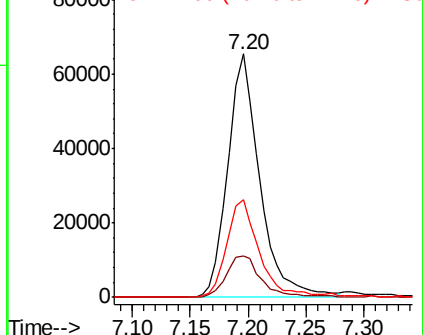
99 100

42 17.3 14.6 21.8

71 40.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.472 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG043504.D

Acq: 5 Nov 2019 12:41

Tgt Ion: 70 Resp: 24500

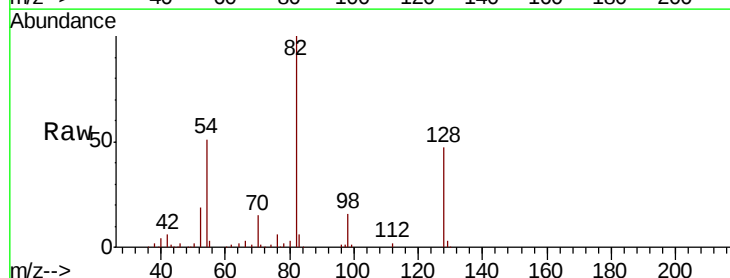
Ion Ratio Lower Upper

70 100

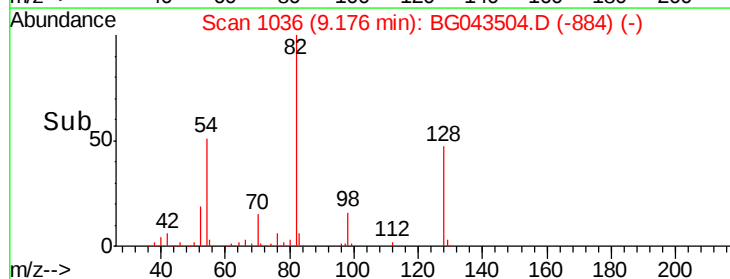
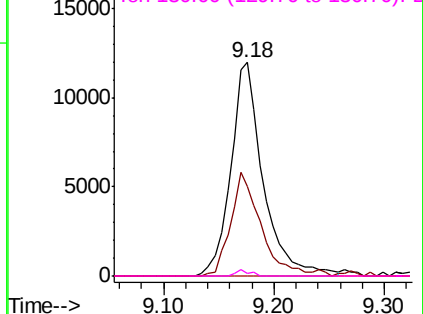
42 42.2 41.4 62.2

101 0.0 7.9 11.9#

130 1.3 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

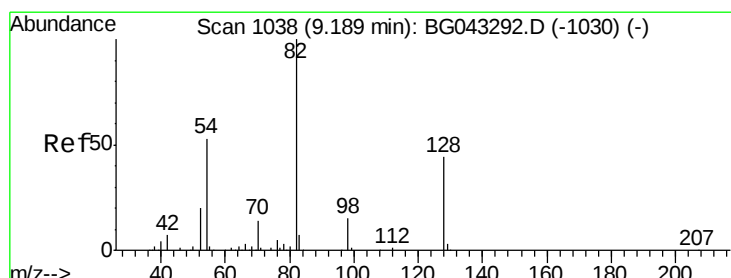
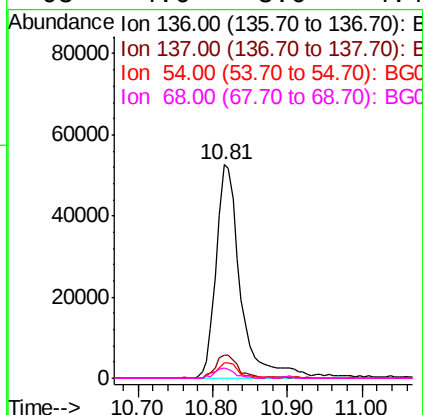
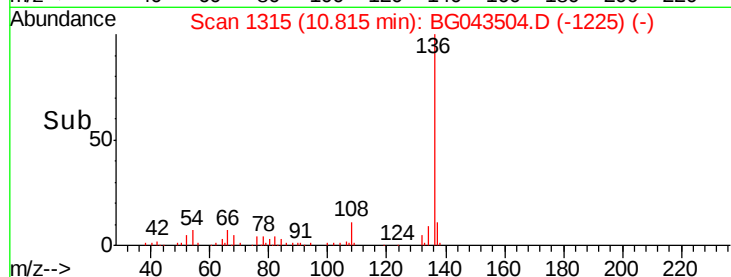
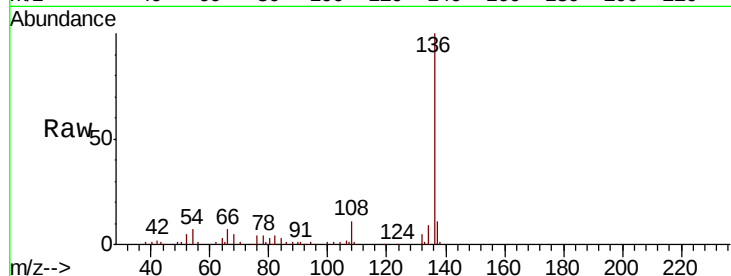




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043504.D
Acq: 5 Nov 2019 12:41

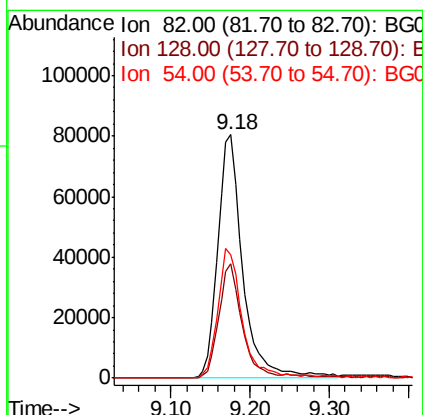
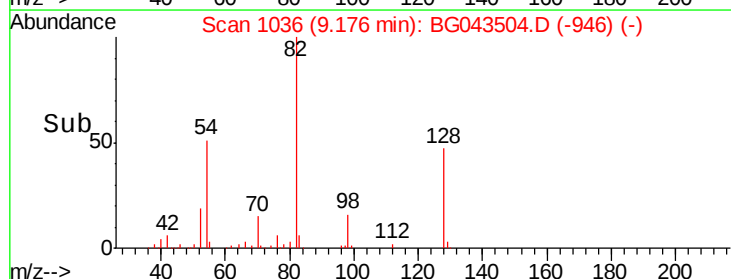
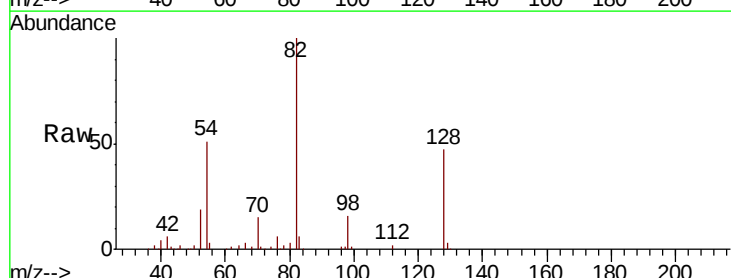
Instrument :
BNA_G
ClientSampleId :

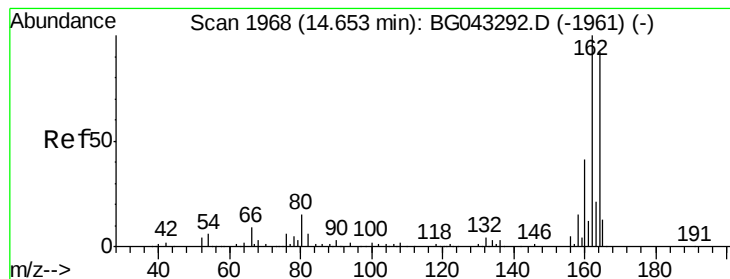
Tot Ion:136	Resp:	120184
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.7 13.1
54	7.2	5.4 8.2
68	4.6	3.0 4.4



#23
Nitrobenzene-d5
Concen: 75.458 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043504.D
Acq: 5 Nov 2019 12:41

Tgt Ion: 82	Resp:	175907
Ion	Ratio	Lower Upper
82	100	
128	46.8	35.0 52.6
54	50.6	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: BG043504.D

Acq: 5 Nov 2019 12:41

Instrument :

BNA_G

ClientSampleId :

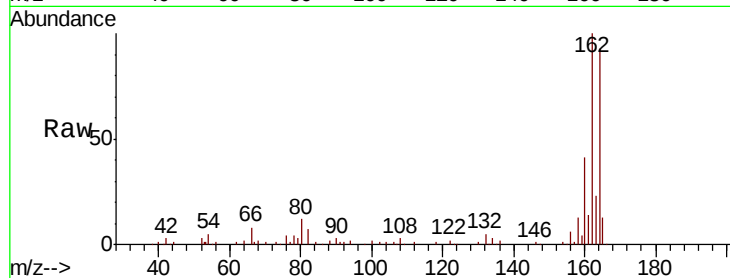
Tot Ion:164 Resp: 88332

Ion Ratio Lower Upper

164 100

162 107.0 83.5 125.3

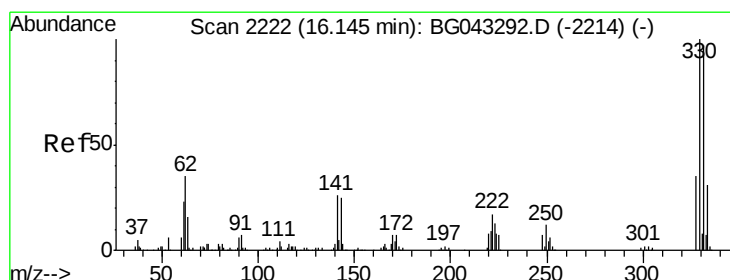
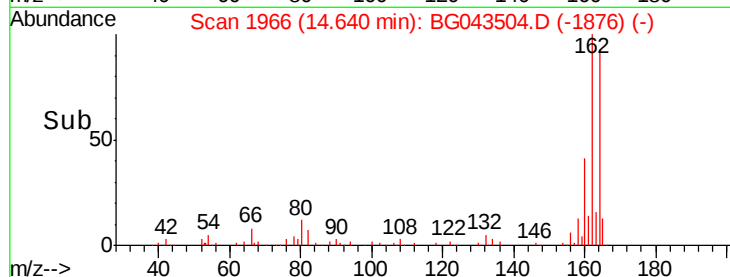
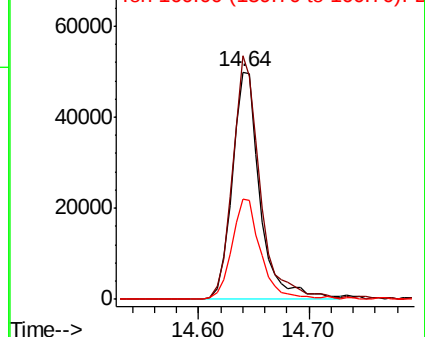
160 44.3 36.5 54.7



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: 116.808 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG043504.D

Acq: 5 Nov 2019 12:41

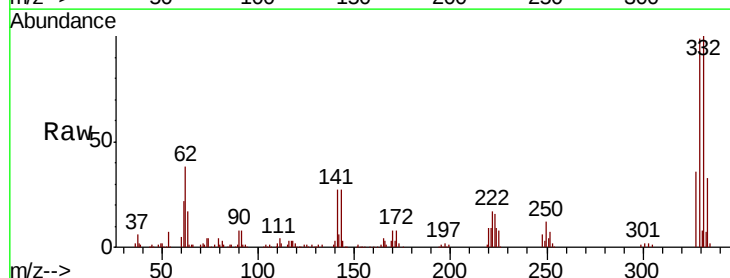
Tgt Ion:330 Resp: 196349

Ion Ratio Lower Upper

330 100

332 99.3 77.4 116.0

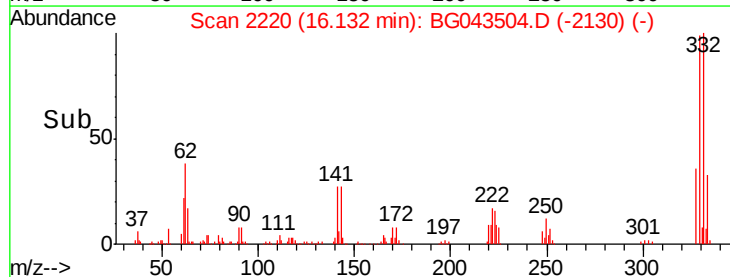
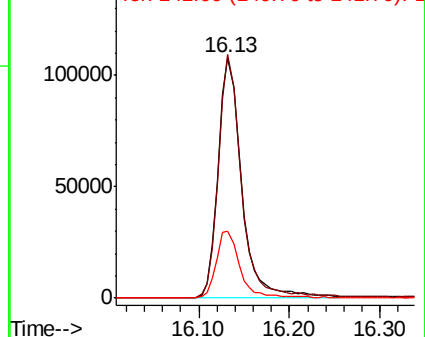
141 27.4 22.8 34.2



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

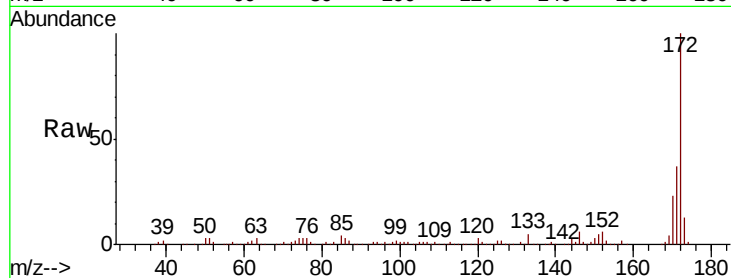




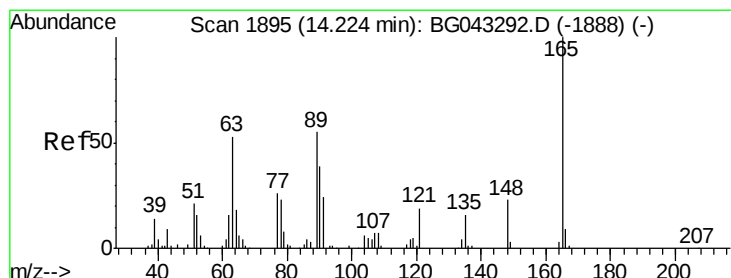
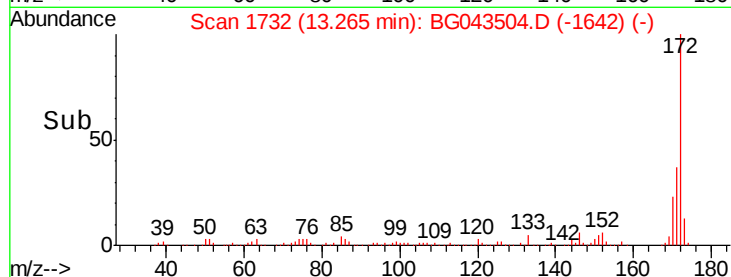
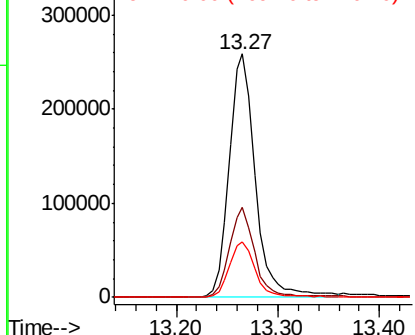
#45
 2-Fluorobiphenyl
 Concen: 72.643 ng
 RT: 13.27 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043504.D
 Acq: 5 Nov 2019 12:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 464374
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.9 43.3
 170 22.7 18.5 27.7

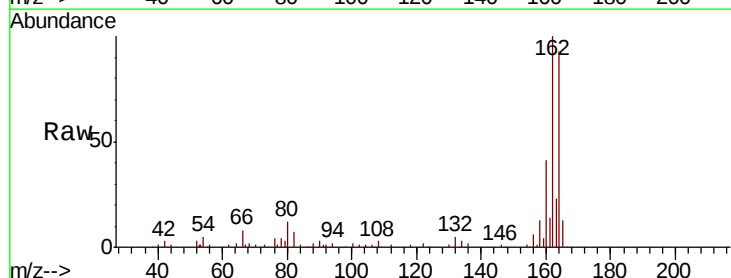


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

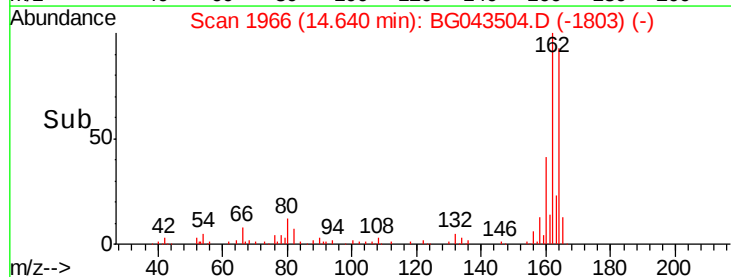
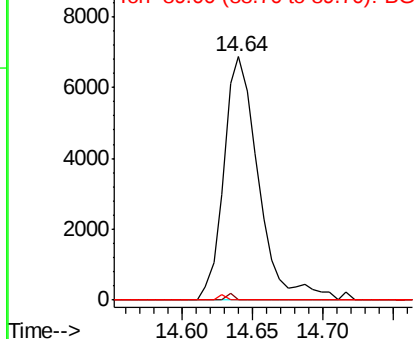


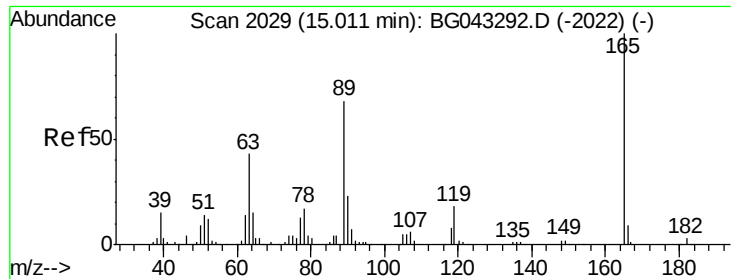
#51
 2,6-Dinitrotoluene
 Concen: 7.910 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.43 min
 Lab File: BG043504.D
 Acq: 5 Nov 2019 12:41

Tgt Ion:165 Resp: 11758
 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

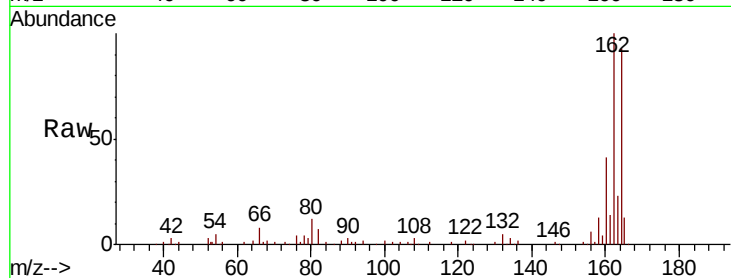




#57
 2,4-Dinitrotoluene
 Concen: 5.577 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.37 min
 Lab File: BG043504.D
 Acq: 5 Nov 2019 12:41

Instrument :
 BNA_G
 ClientSampled :

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#



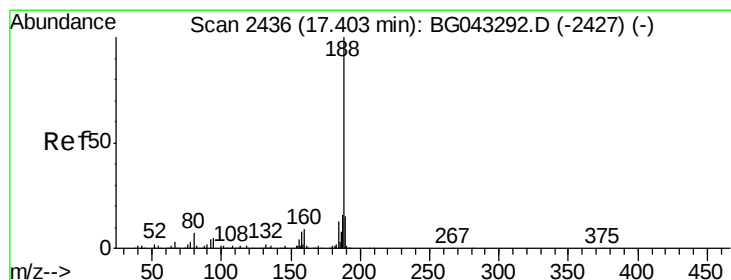
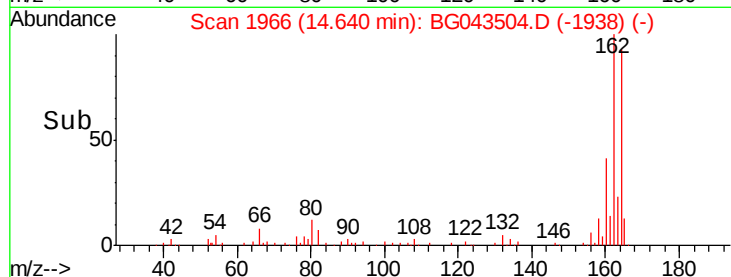
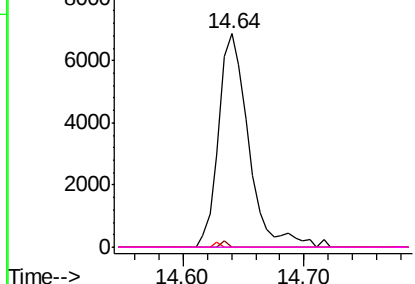
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

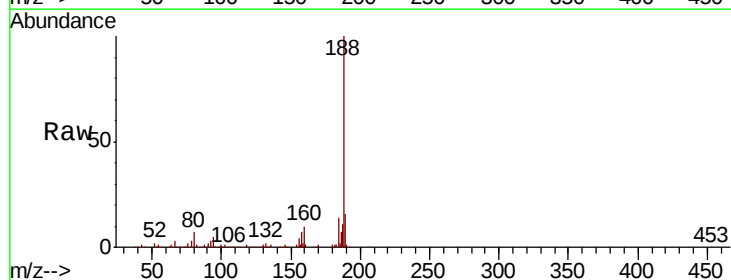
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.00 min
 Lab File: BG043504.D
 Acq: 5 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	4.2	6.4
80	6.7	4.5	6.7

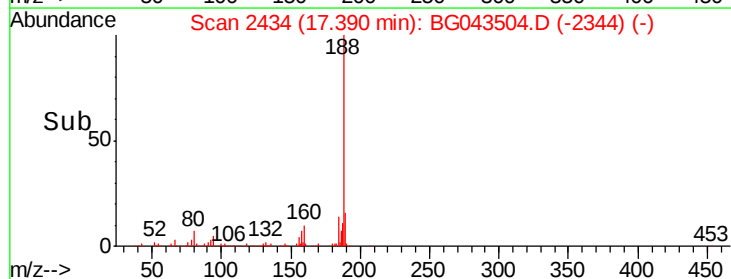
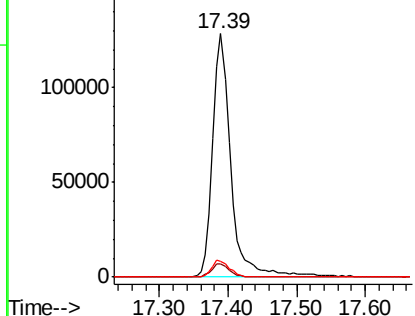


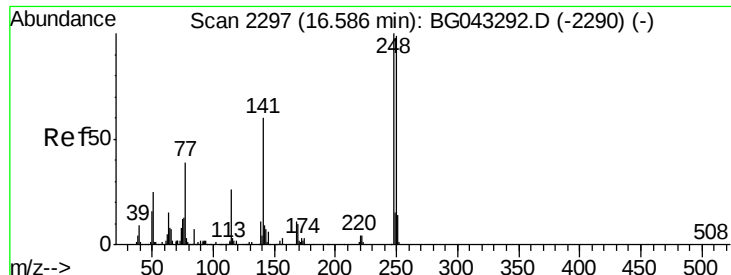
Abundance

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

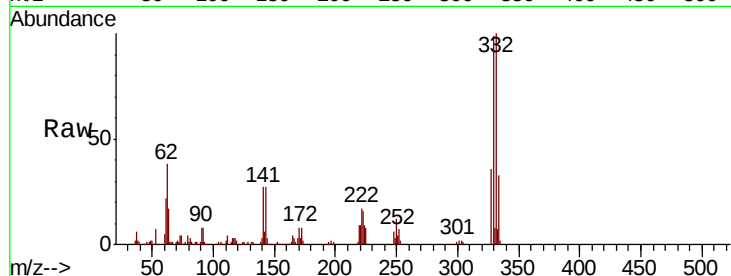




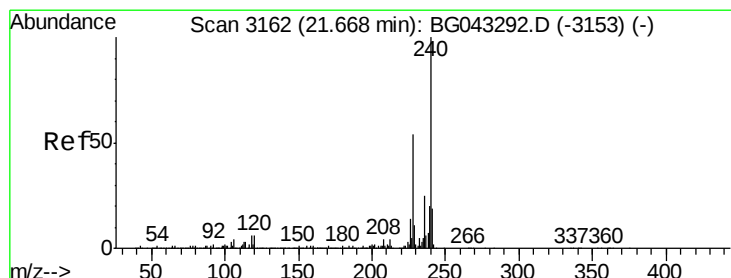
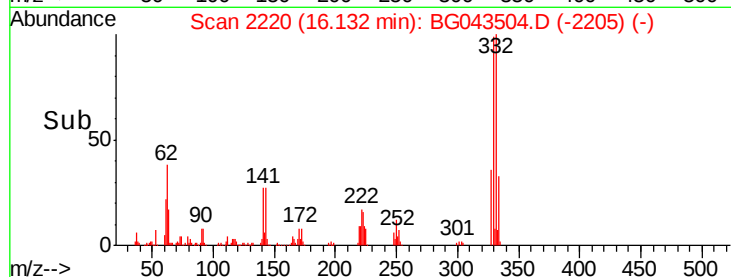
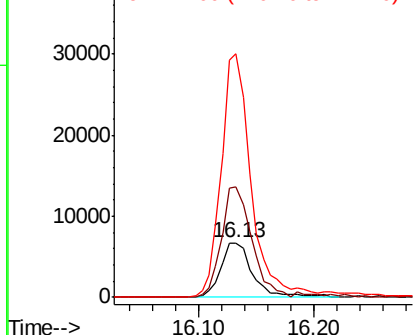
#67
4-Bromophenyl-phenylether
Concen: 4.048 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.44 min
Lab File: BG043504.D
Acq: 5 Nov 2019 12:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12881
Ion Ratio Lower Upper
248 100
250 201.4 77.0 115.4#
141 444.3 47.5 71.3#

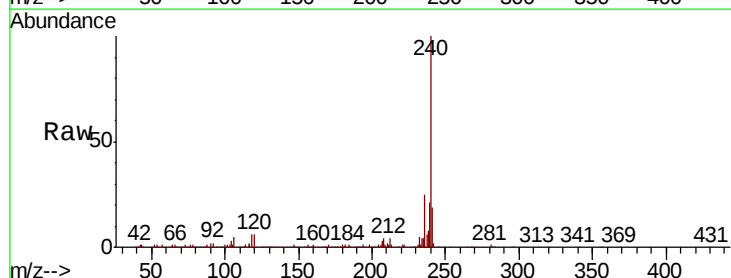


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

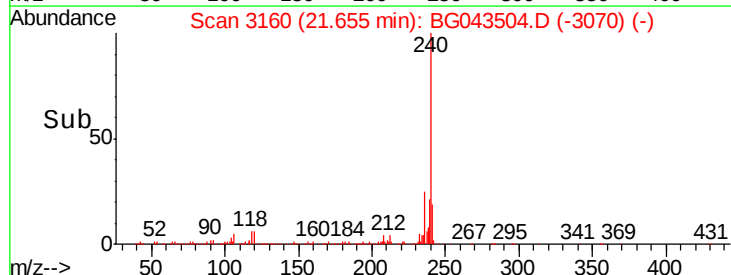
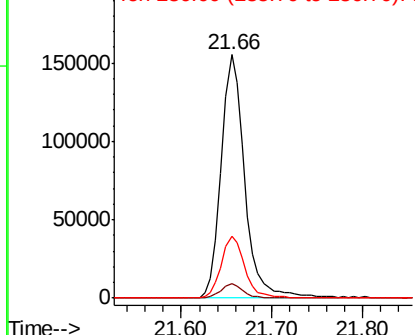


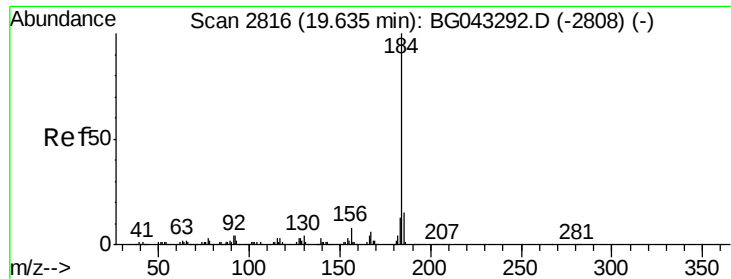
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG043504.D
Acq: 5 Nov 2019 12:41

Tgt Ion:240 Resp: 278865
Ion Ratio Lower Upper
240 100
120 5.8 4.6 6.8
236 25.2 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: 3.010 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.38 min

Lab File: BG043504.D

Acq: 5 Nov 2019 12:41

Instrument :

BNA_G

ClientSampleId :

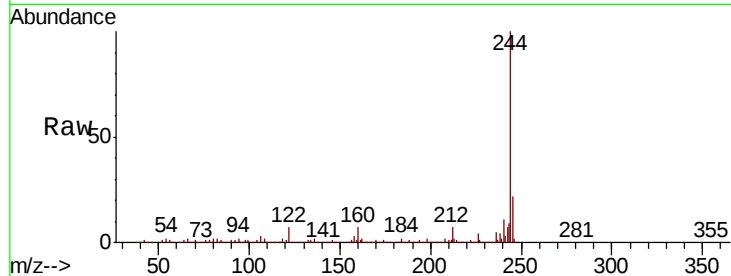
Tot Ion:184 Resp: 16894

Ion Ratio Lower Upper

184 100

185 13.8 11.0 16.4

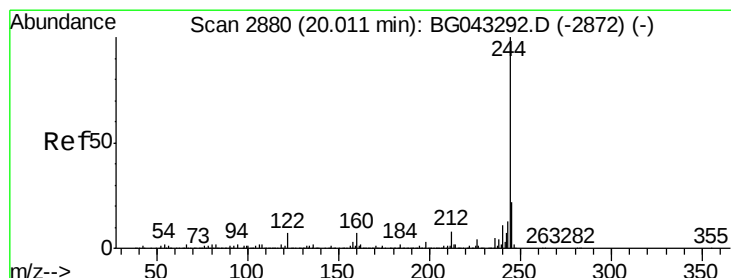
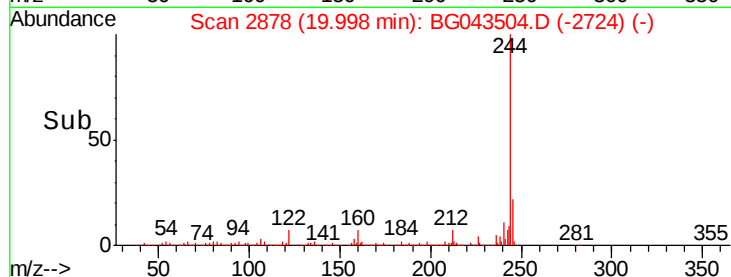
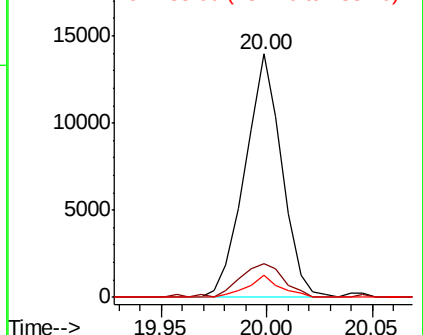
183 8.9 10.0 15.0#



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: 83.171 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043504.D

Acq: 5 Nov 2019 12:41

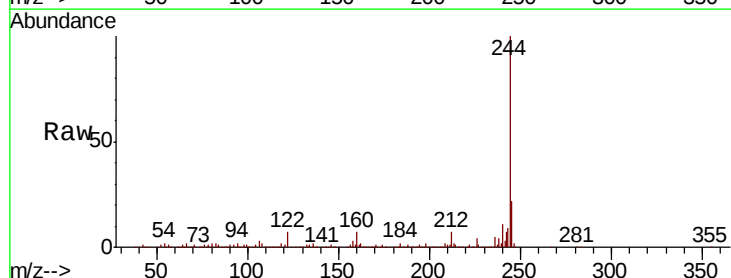
Tgt Ion:244 Resp: 1236286

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

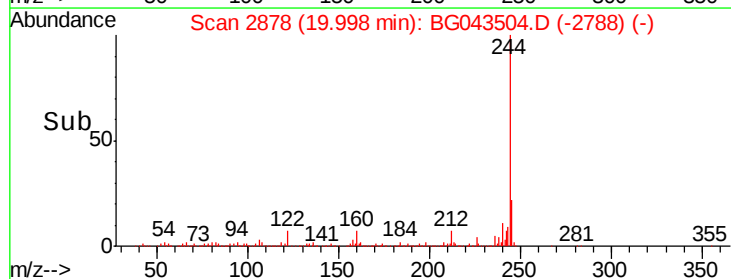
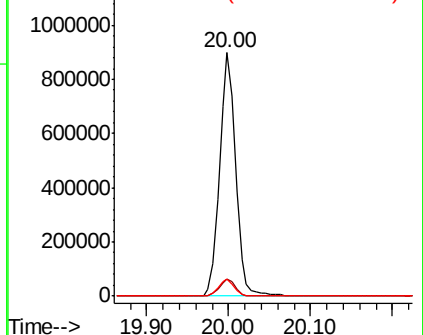
122 7.2 5.4 8.2

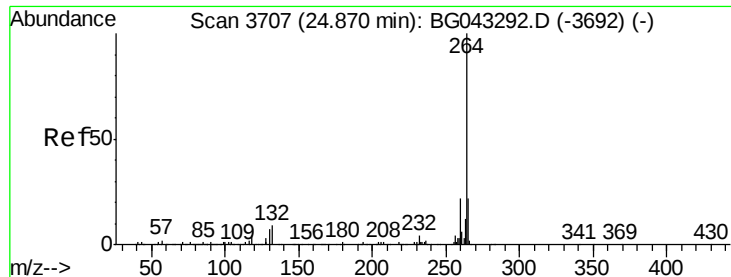


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

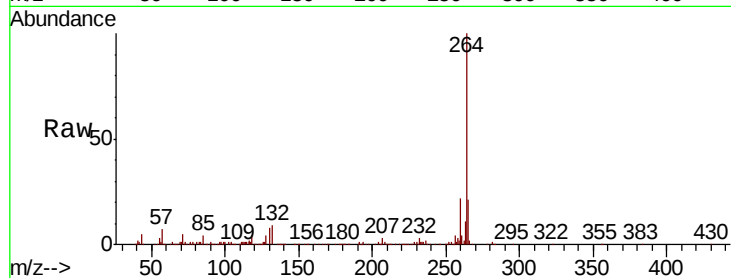




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BG043504.D
 Acq: 5 Nov 2019 12:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.5	26.3
265	20.8	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

