

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043503.D
 Acq On : 5 Nov 2019 12:03
 Operator : JU
 Sample : PB124505BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 00:44:25 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

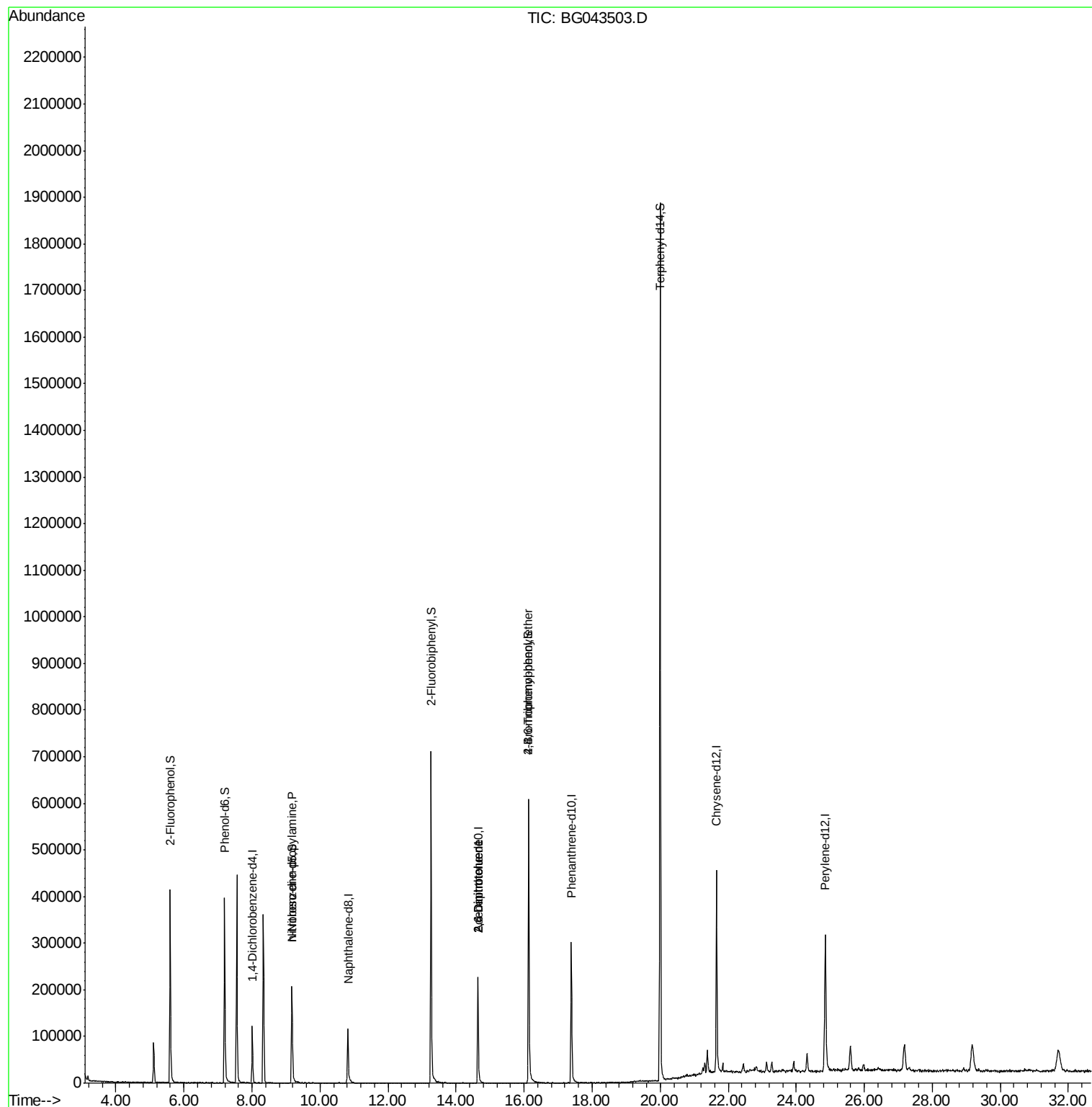
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	35623	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	128003	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	98422	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	249563	20.00	ng	0.00
76) Chrysene-d12	21.65	240	298679	20.00	ng	0.00
87) Perylene-d12	24.85	264	359950	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	198701	102.21	ng	0.00
7) Phenol-d6	7.19	99	259979	92.95	ng	0.00
23) Nitrobenzene-d5	9.17	82	157738	63.53	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	169948	90.74	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	429810	60.34	ng	0.00
79) Terphenyl-d14	20.00	244	1060672	66.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	21802	12.063	ng	# 77
51) 2,6-Dinitrotoluene	14.64	165	13513	8.159	ng	# 22
57) 2,4-Dinitrotoluene	14.64	165	13513	5.709	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	11969	3.564	ng	# 1

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

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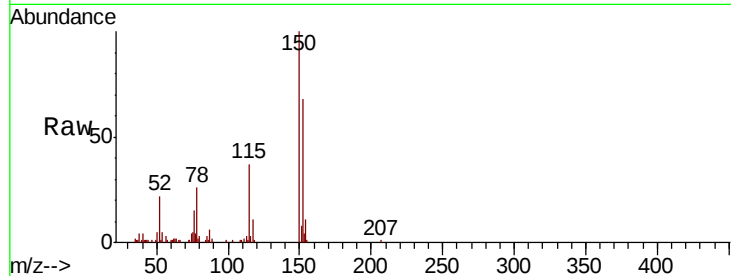


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043503.D
Acq: 5 Nov 2019 12:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.9	129.4	194.0
115	55.1	48.8	73.2

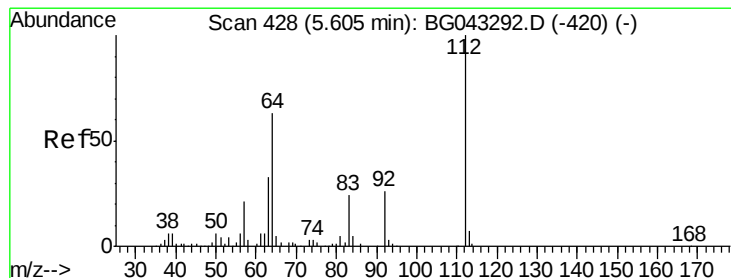
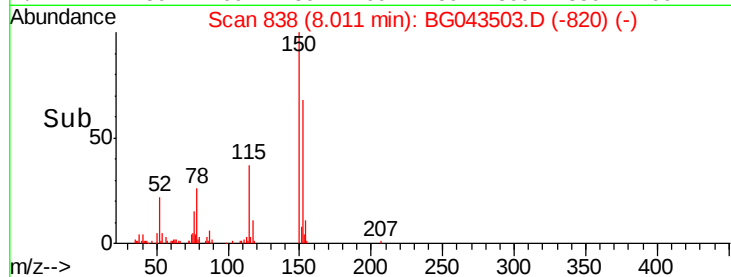
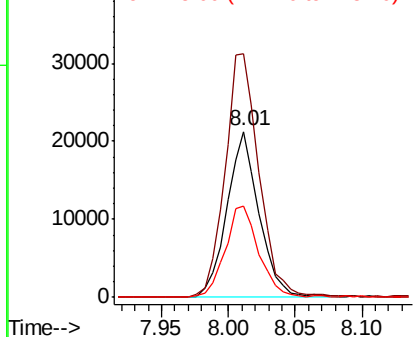


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

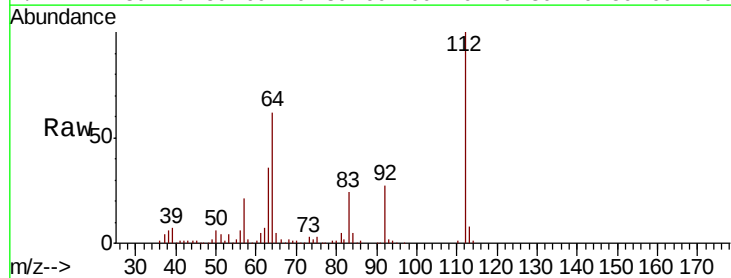
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.212 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043503.D
Acq: 5 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	50.0	75.0
63	35.7	26.6	40.0

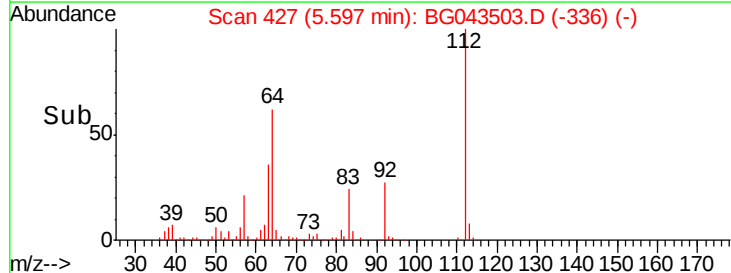
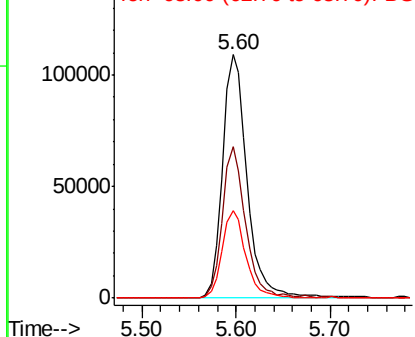


Abundance

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: 92.950 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043503.D

Acq: 5 Nov 2019 12:03

Instrument :

BNA_G

ClientSampleId :

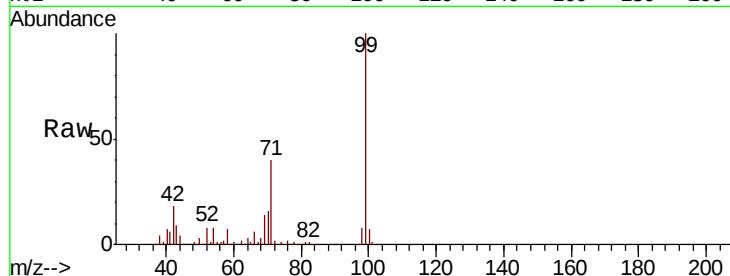
Tot Ion: 99 Resp: 259979

Ion Ratio Lower Upper

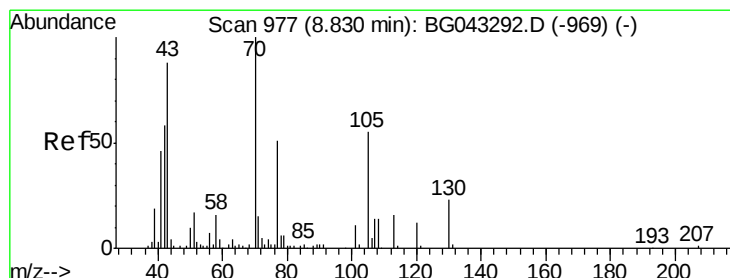
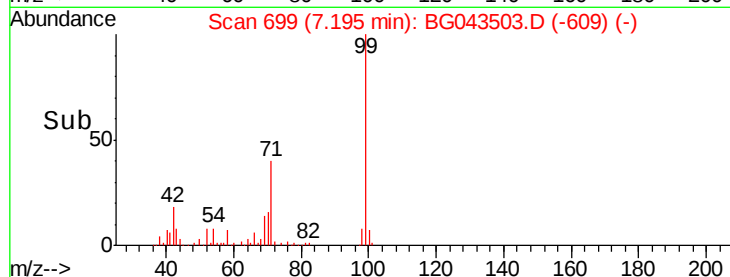
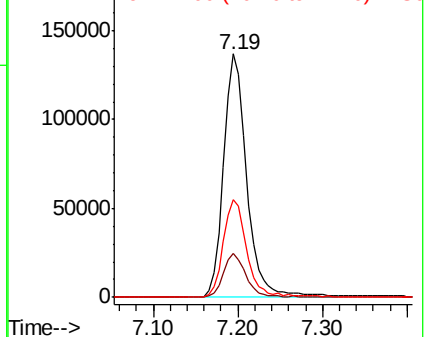
99 100

42 18.0 14.6 21.8

71 40.0 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: 12.063 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043503.D

Acq: 5 Nov 2019 12:03

Tgt Ion: 70 Resp: 21802

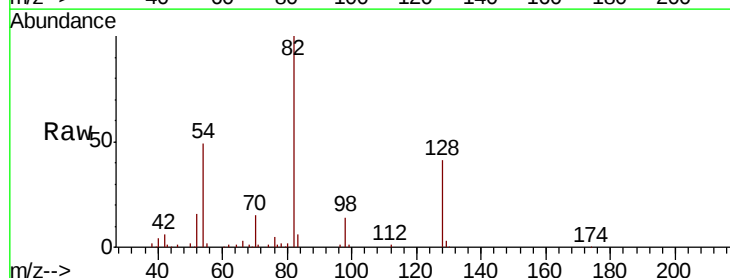
Ion Ratio Lower Upper

70 100

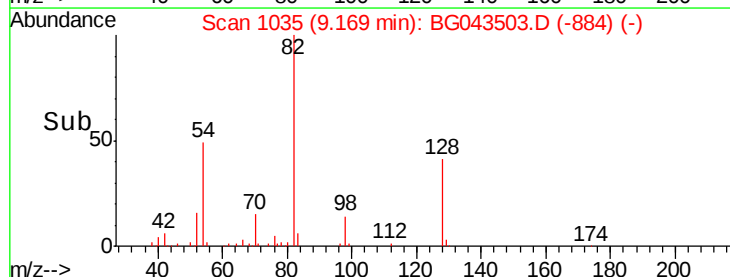
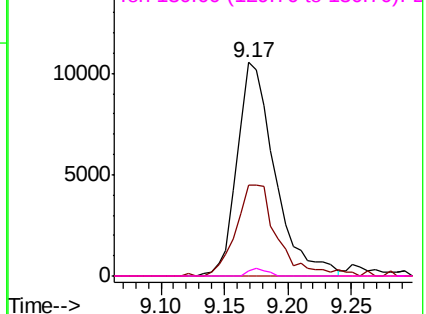
42 42.4 41.4 62.2

101 0.0 7.9 11.9#

130 2.6 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: BG043503.D

Acq: 5 Nov 2019 12:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 128003

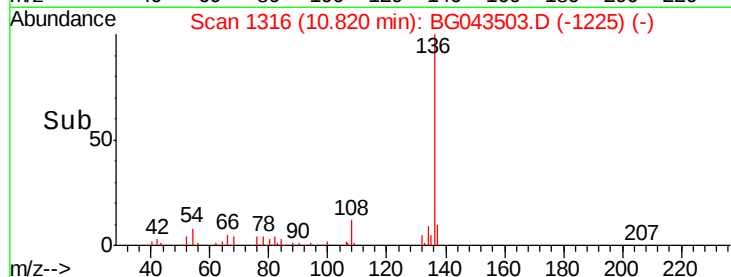
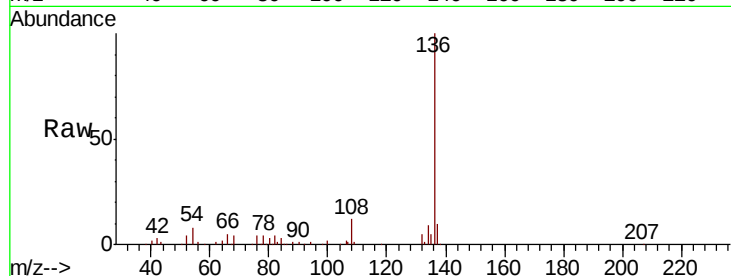
Ion Ratio Lower Upper

136 100

137 9.7 8.7 13.1

54 7.7 5.4 8.2

68 3.9 3.0 4.4

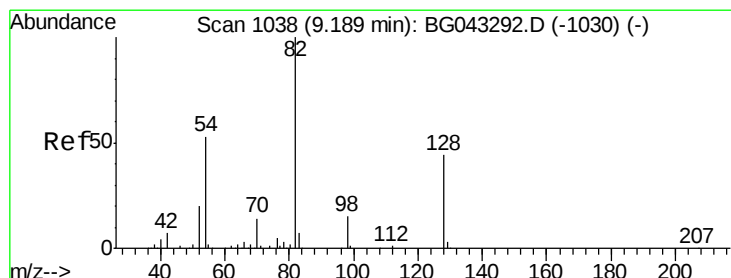
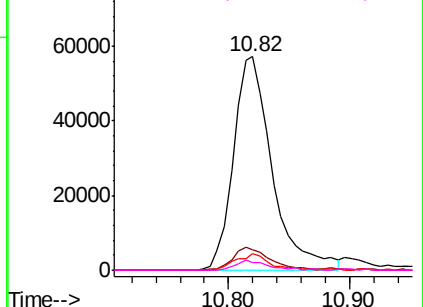


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 63.531 ng

RT: 9.17 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043503.D

Acq: 5 Nov 2019 12:03

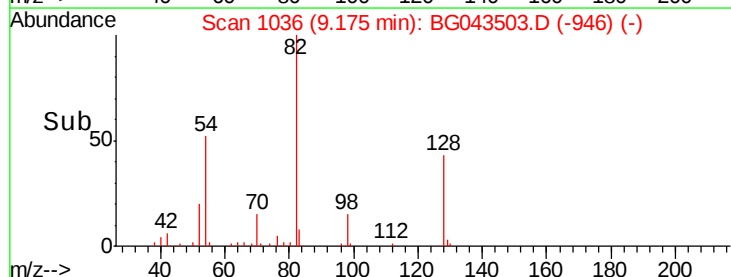
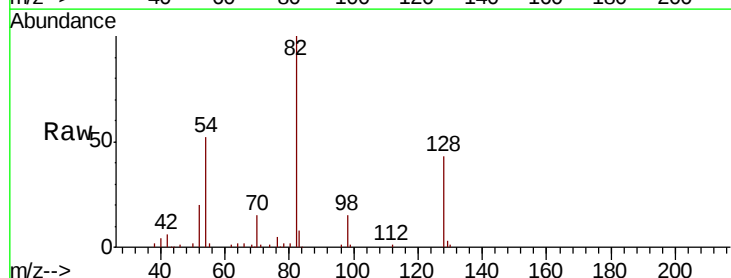
Tgt Ion: 82 Resp: 157738

Ion Ratio Lower Upper

82 100

128 42.7 35.0 52.6

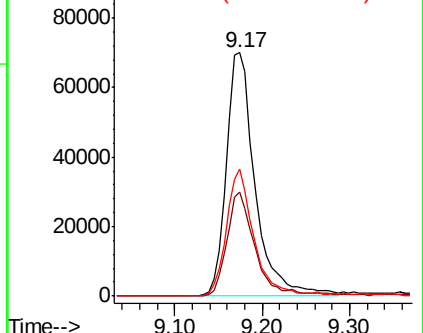
54 52.1 40.2 60.2

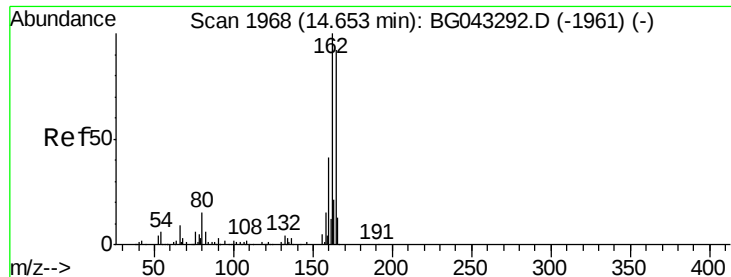


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG043503.D

Acq: 5 Nov 2019 12:03

Instrument :

BNA_G

ClientSampleId :

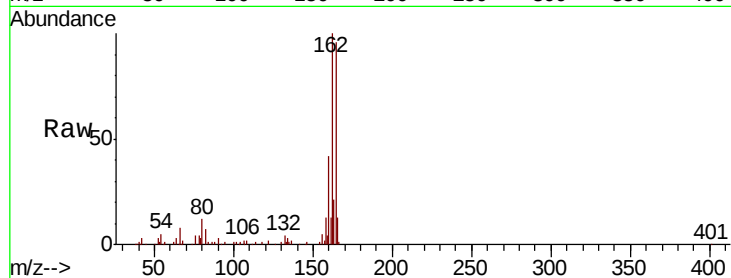
Tot Ion:164 Resp: 98422

Ion Ratio Lower Upper

164 100

162 104.7 83.5 125.3

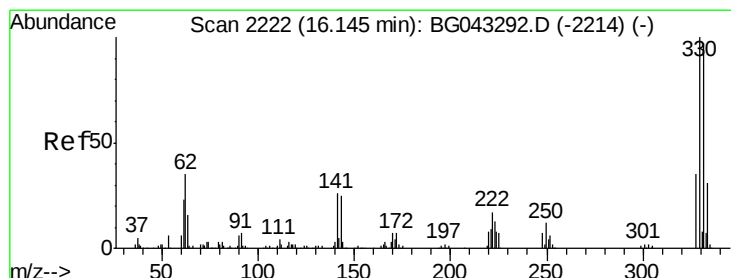
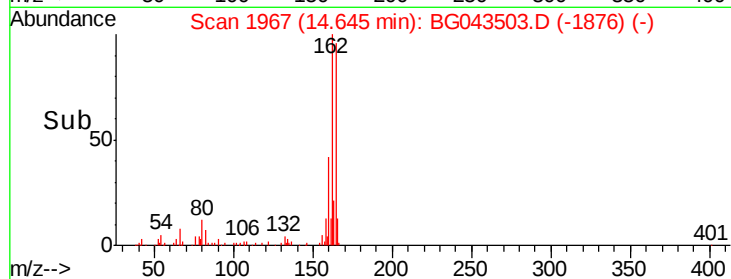
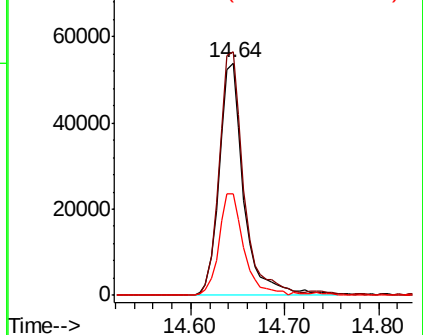
160 43.8 36.5 54.7



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: 90.737 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG043503.D

Acq: 5 Nov 2019 12:03

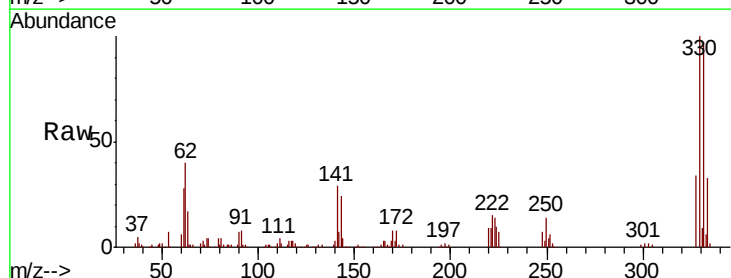
Tgt Ion:330 Resp: 169948

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.0

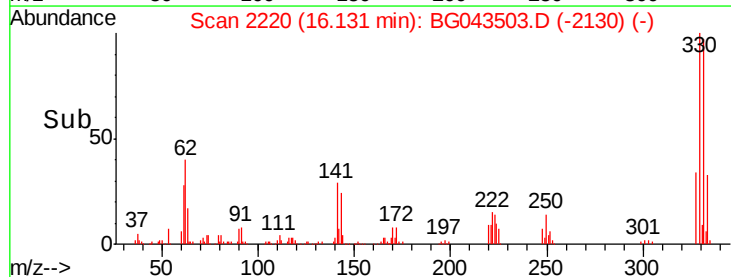
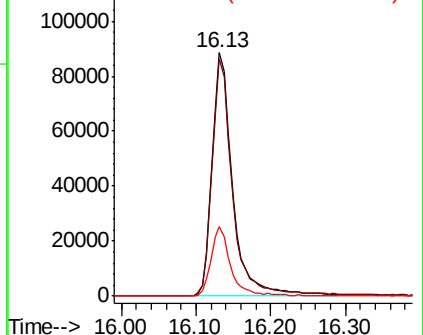
141 27.0 22.8 34.2

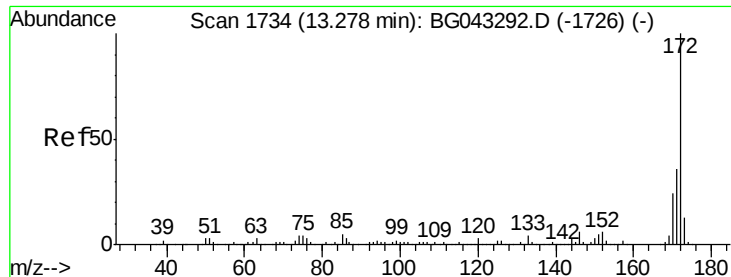


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

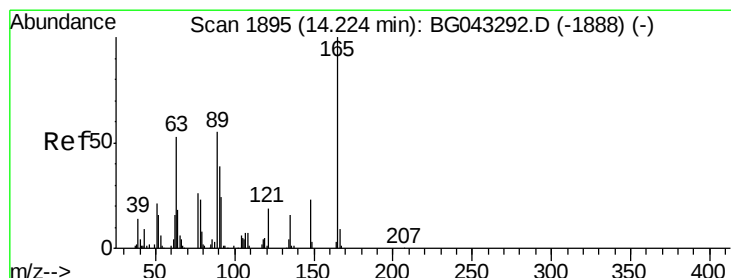
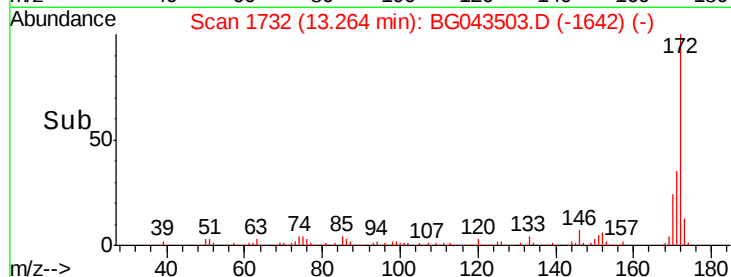
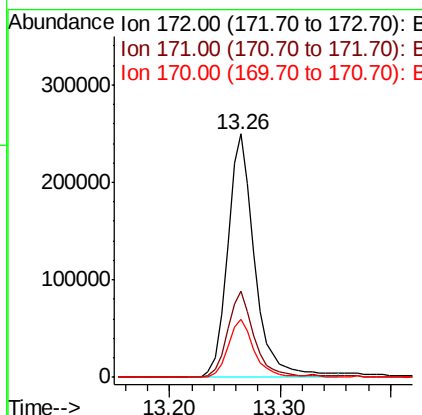
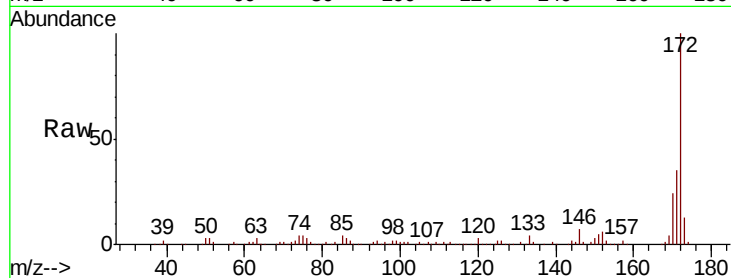




#45
 2-Fluorobiphenyl
 Concen: 60.344 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043503.D
 Acq: 5 Nov 2019 12:03

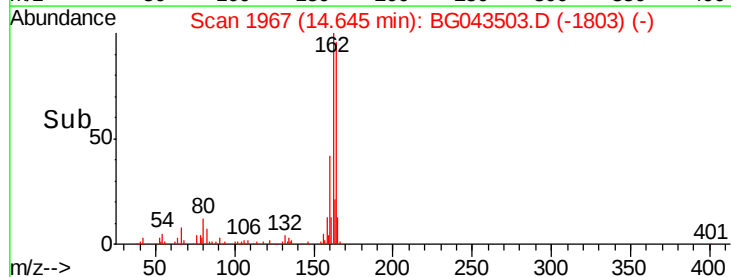
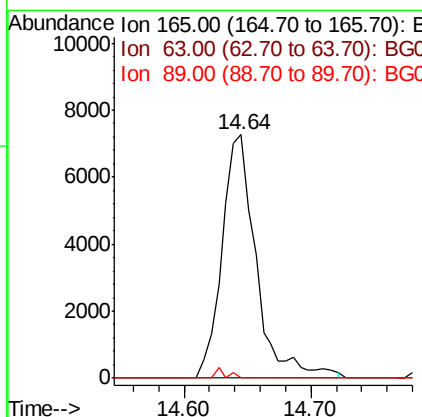
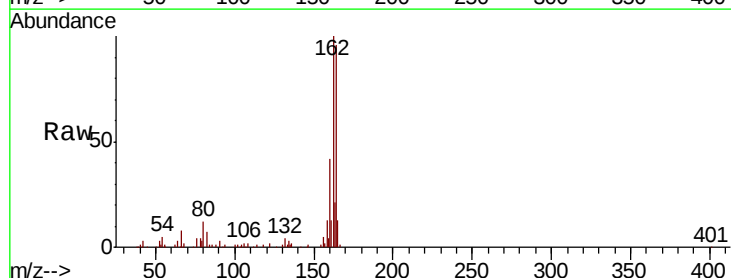
Instrument :
 BNA_G
 ClientSampleId :

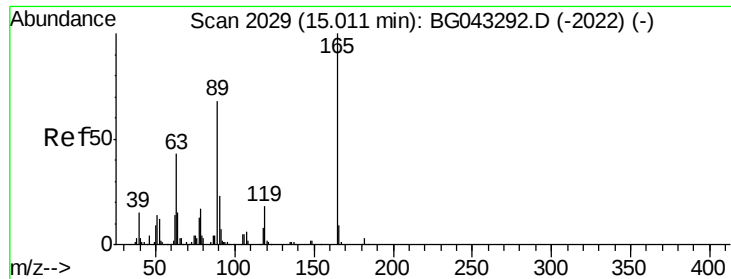
Tot Ion:172 Resp: 429810
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 24.0 18.5 27.7



#51
 2,6-Dinitrotoluene
 Concen: 8.159 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.43 min
 Lab File: BG043503.D
 Acq: 5 Nov 2019 12:03

Tgt Ion:165 Resp: 13513
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 0.0 45.1 67.7#

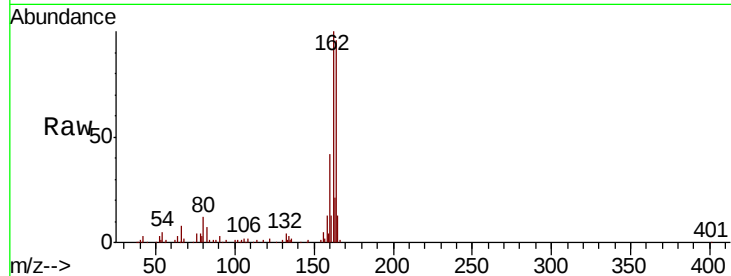




#57
 2,4-Dinitrotoluene
 Concen: 5.709 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043503.D
 Acq: 5 Nov 2019 12:03

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#

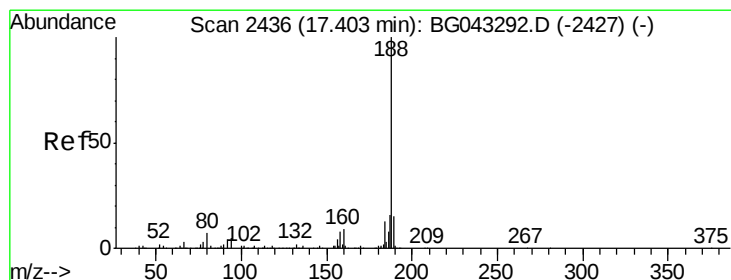
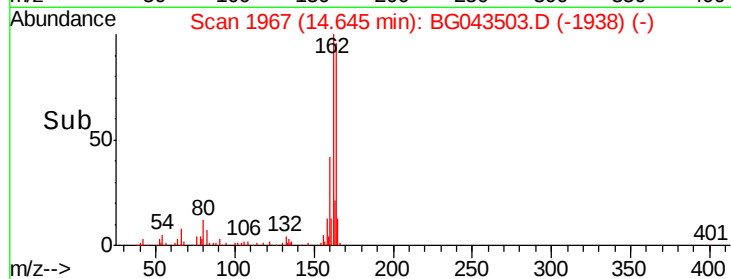
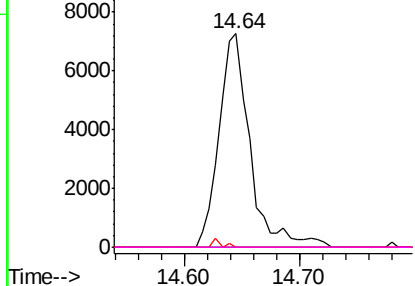


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

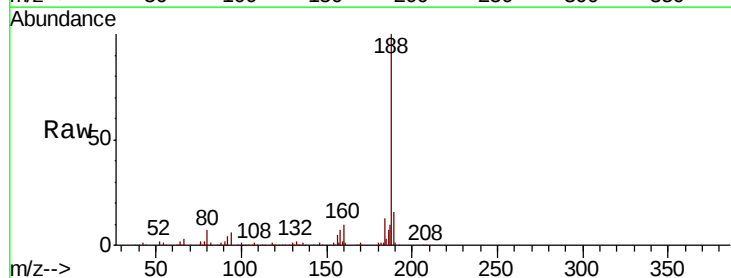
Ion 89.00 (88.70 to 89.70): BGC

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: BG043503.D
 Acq: 5 Nov 2019 12:03

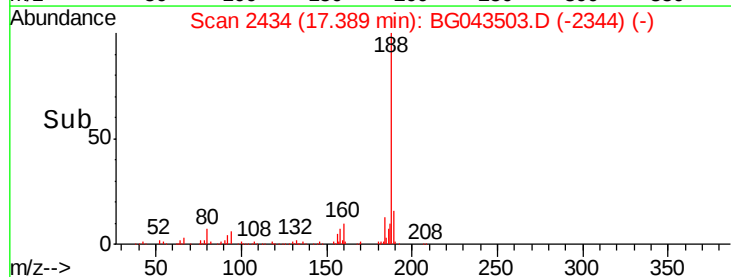
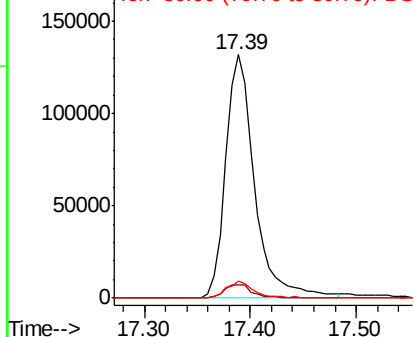
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.2	6.4
80	6.9	4.5	6.7#

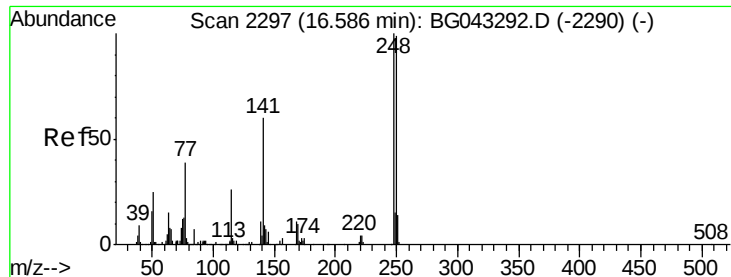


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

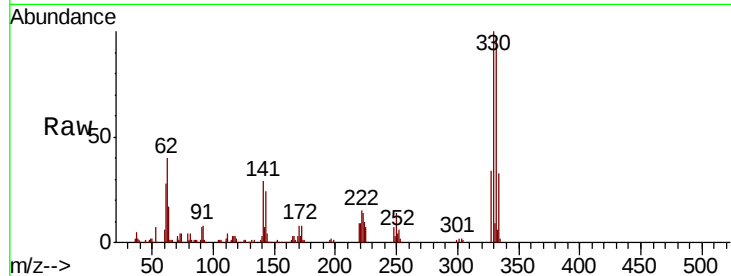




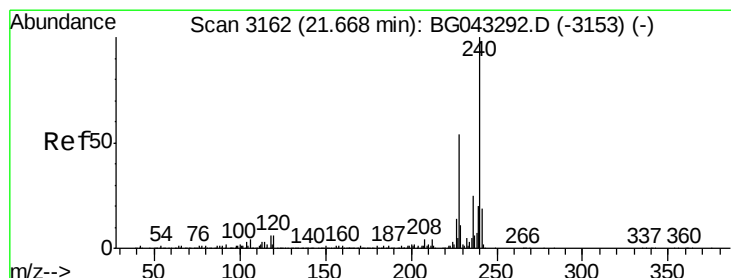
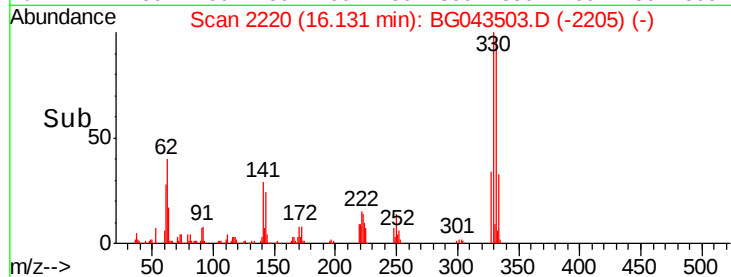
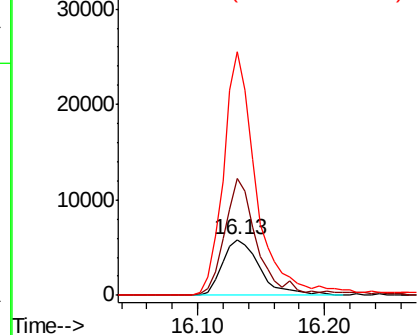
#67
4-Bromophenyl-phenylether
Concen: 3.564 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.44 min
Lab File: BG043503.D
Acq: 5 Nov 2019 12:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11969
Ion Ratio Lower Upper
248 100
250 211.5 77.0 115.4#
141 438.7 47.5 71.3#

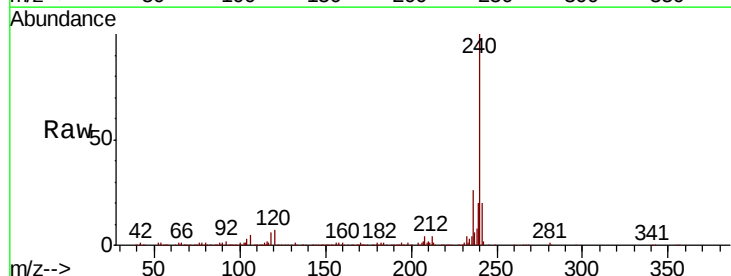


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

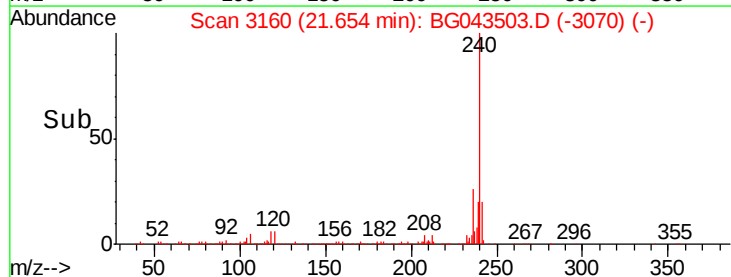
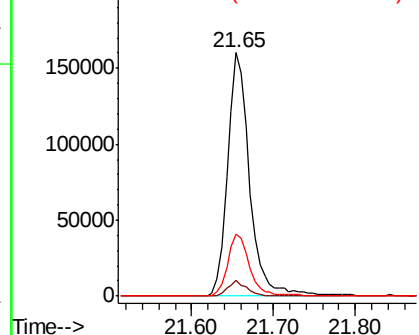


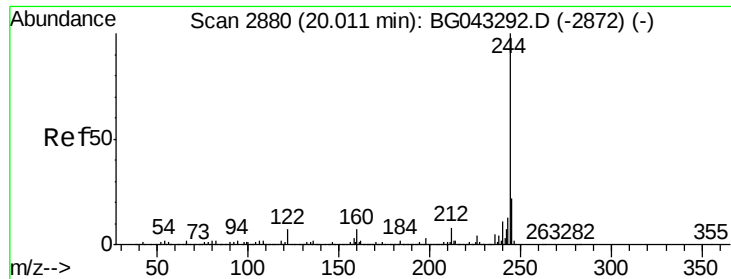
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG043503.D
Acq: 5 Nov 2019 12:03

Tgt Ion:240 Resp: 298679
Ion Ratio Lower Upper
240 100
120 6.5 4.6 6.8
236 25.6 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





#79

Terphenyl-d14

Concen: 66.623 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043503.D

Acq: 5 Nov 2019 12:03

Instrument :

BNA_G

ClientSampled :

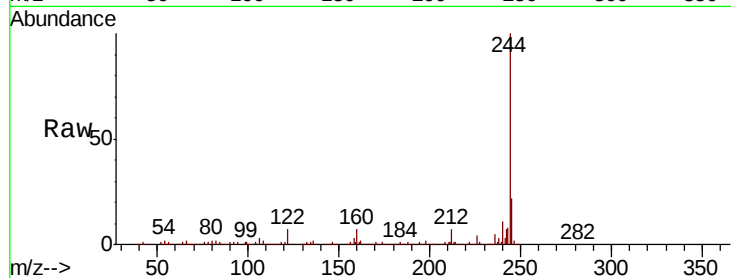
Tot Ion:244 Resp: 1060672

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

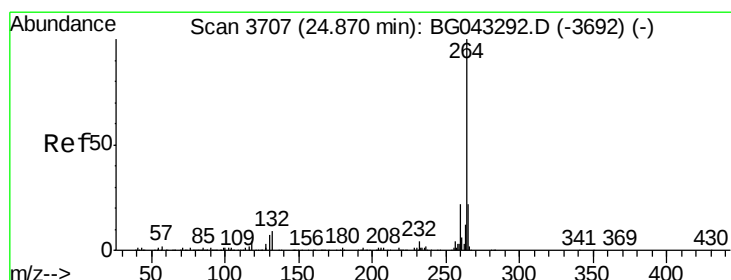
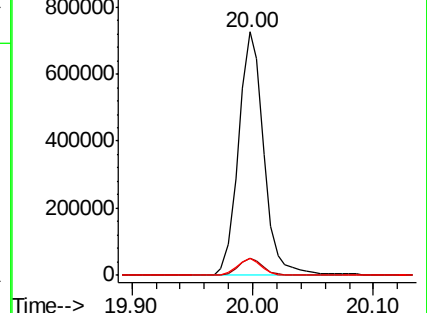
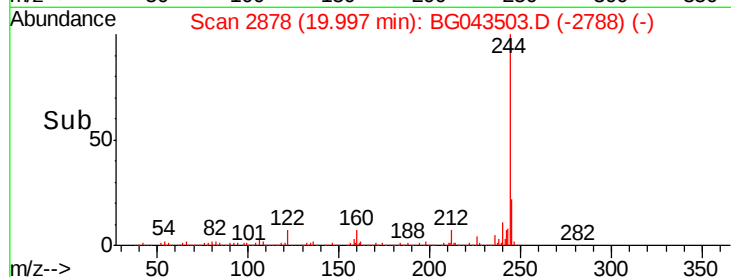
122 6.9 5.4 8.2



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: 24.85 min Scan# 3704

Delta R.T. -0.00 min

Lab File: BG043503.D

Acq: 5 Nov 2019 12:03

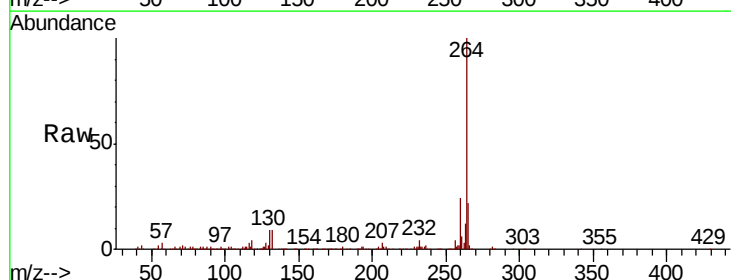
Tgt Ion:264 Resp: 359950

Ion Ratio Lower Upper

264 100

260 24.4 17.5 26.3

265 22.0 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

