

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\
 Data File : BG043496.D
 Acq On : 5 Nov 2019 00:53
 Operator : JU
 Sample : K5662-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-1

Quant Time: Nov 05 17:33:10 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

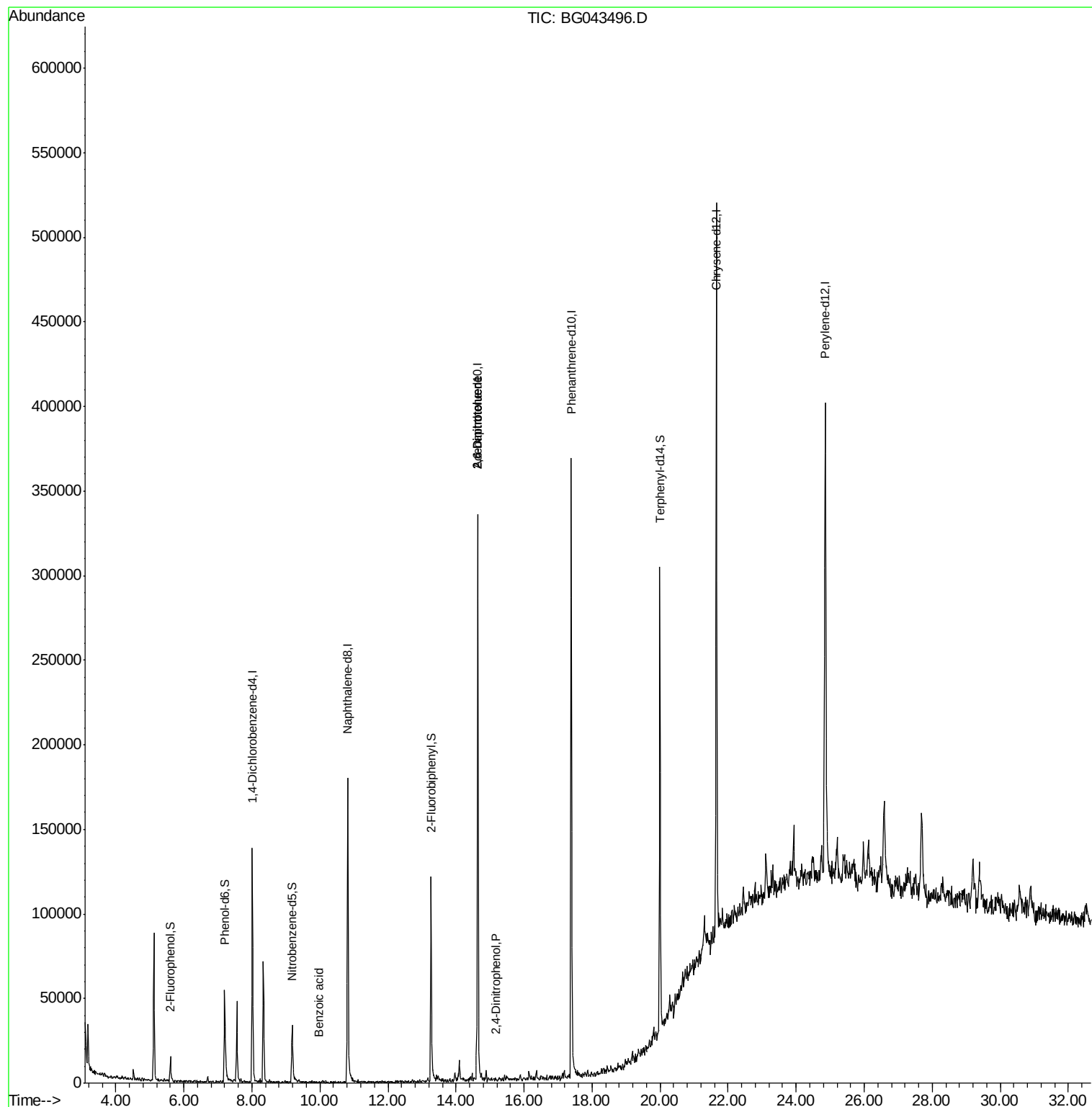
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	45341	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	182678	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	124837	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	289106	20.00	ng	0.00
76) Chrysene-d12	21.66	240	297044	20.00	ng	0.00
87) Perylene-d12	24.85	264	355496	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	8297	3.35	ng	0.02
7) Phenol-d6	7.20	99	43841	12.31	ng	0.00
23) Nitrobenzene-d5	9.18	82	30138	8.51	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	1578	0.66	ng	0.02
45) 2-Fluorobiphenyl	13.27	172	87992	9.74	ng	0.00
79) Terphenyl-d14	19.99	244	166802	10.53	ng	0.00
Target Compounds						
32) Benzoic acid	9.96	122	55	9.074	ng	# 1
51) 2,6-Dinitrotoluene	14.64	165	17502	8.332	ng	# 24
54) 2,4-Dinitrophenol	15.18	184	73	7.333	ng	# 17
57) 2,4-Dinitrotoluene	14.64	165	17502	5.830	ng	# 27

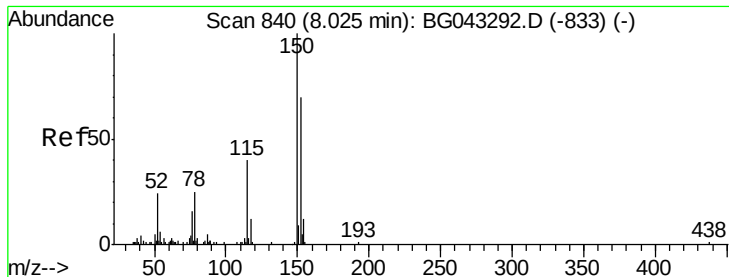
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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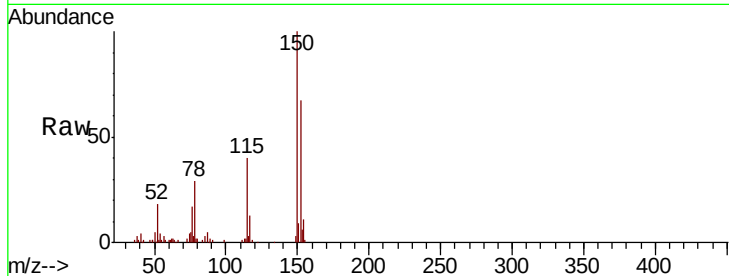


#1

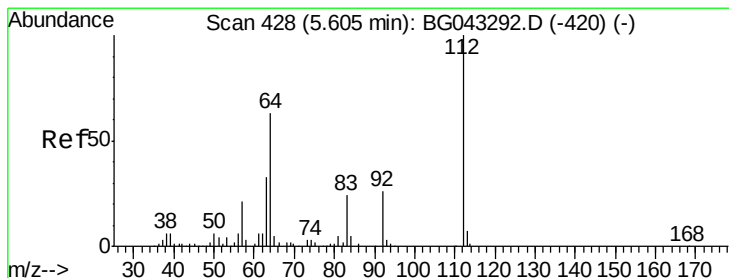
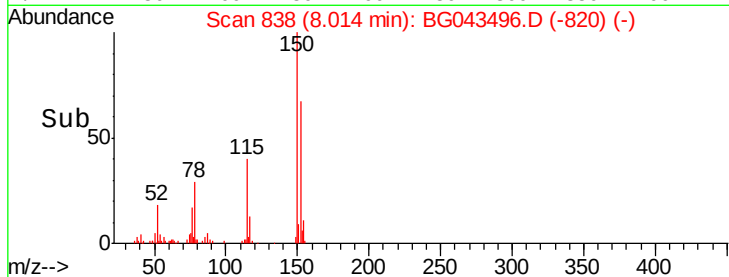
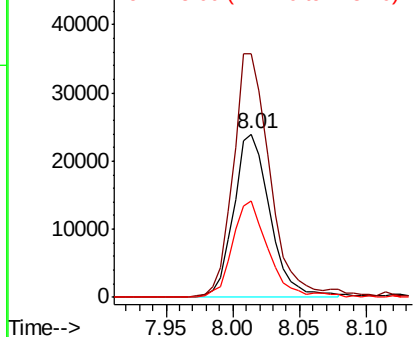
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG043496.D
Acq: 5 Nov 2019 00:53

Instrument :
BNA_G
ClientSampled :
S-1

Tot Ion:152 Resp: 45341
Ion Ratio Lower Upper
152 100
150 148.9 129.4 194.0
115 58.9 48.8 73.2



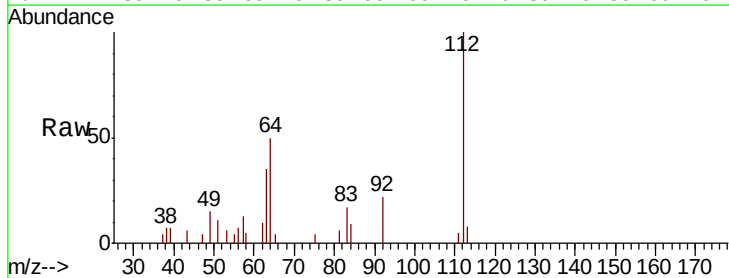
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



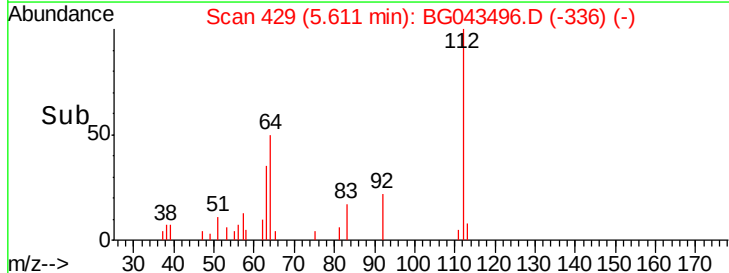
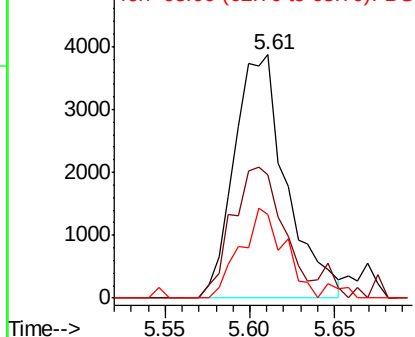
#5

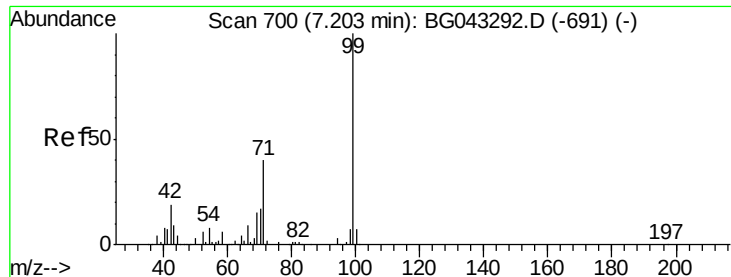
2-Fluorophenol
Concen: 3.353 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.02 min
Lab File: BG043496.D
Acq: 5 Nov 2019 00:53

Tgt Ion:112 Resp: 8297
Ion Ratio Lower Upper
112 100
64 50.5 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: 12.315 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

Instrument :

BNA_G

ClientSampled :

S-1

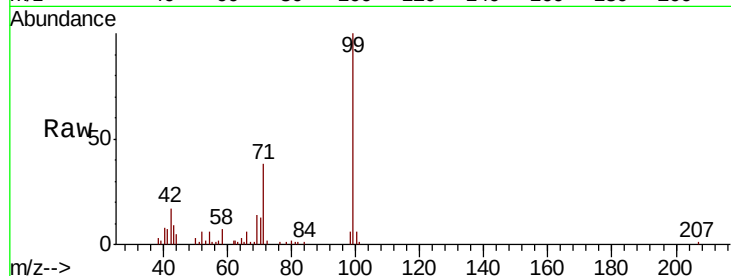
Tot Ion: 99 Resp: 43841

Ion Ratio Lower Upper

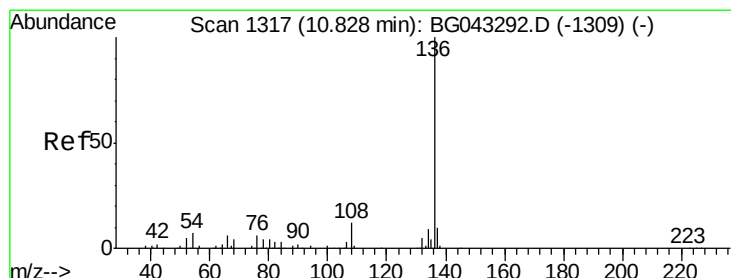
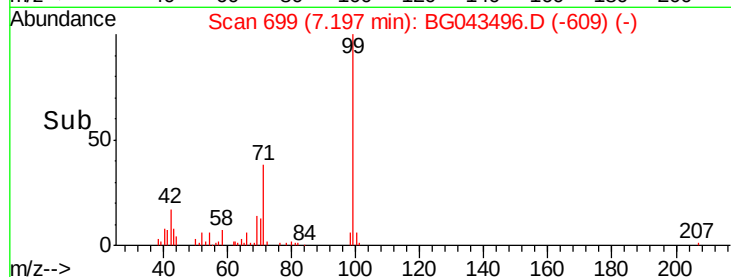
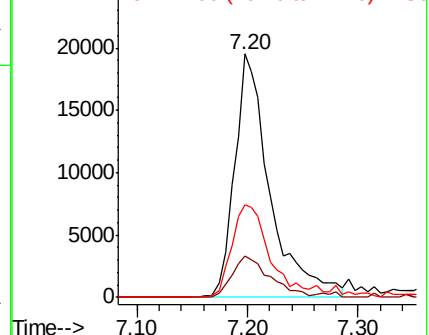
99 100

42 17.1 14.6 21.8

71 38.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

Tgt Ion: 136 Resp: 182678

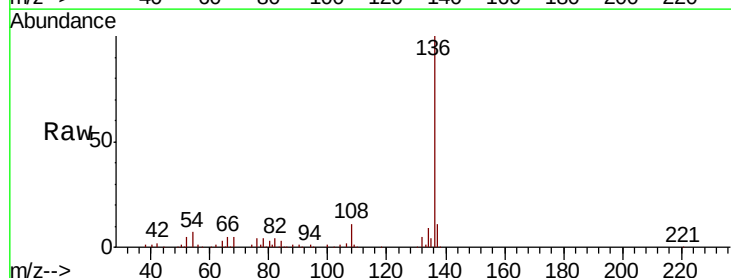
Ion Ratio Lower Upper

136 100

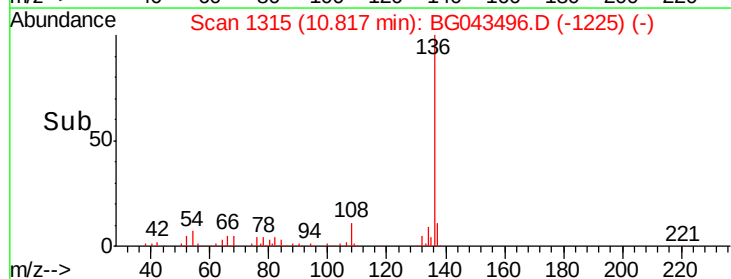
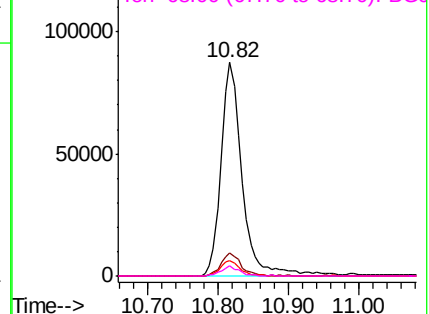
137 10.5 8.7 13.1

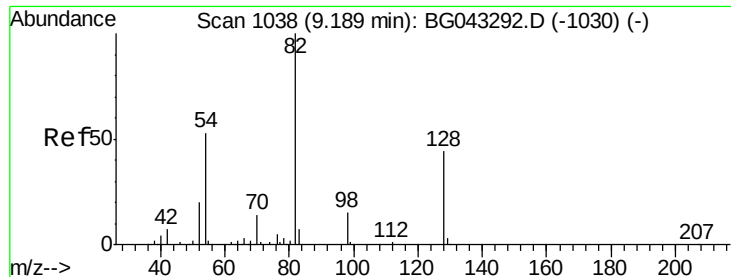
54 7.3 5.4 8.2

68 4.8 3.0 4.4#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

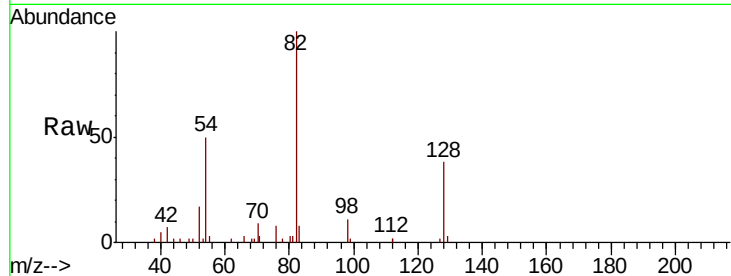




#23
Nitrobenzene-d5
Concen: 8.505 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG043496.D
Acq: 5 Nov 2019 00:53

Instrument :
BNA_G
ClientSampleId :
S-1

Tot Ion	82	Resp	30138
Ion Ratio	Lower	Upper	
82	100		
128	38.4	35.0	52.6
54	49.7	40.2	60.2

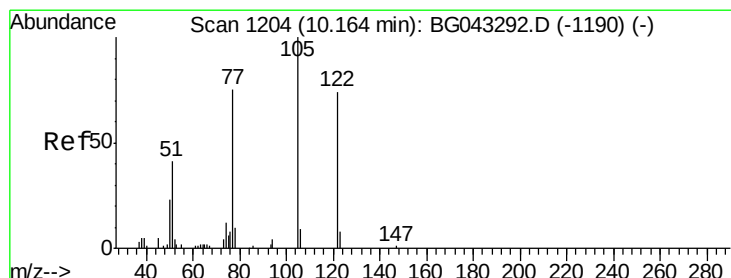
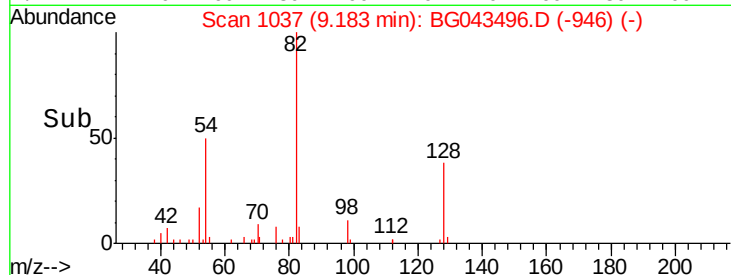
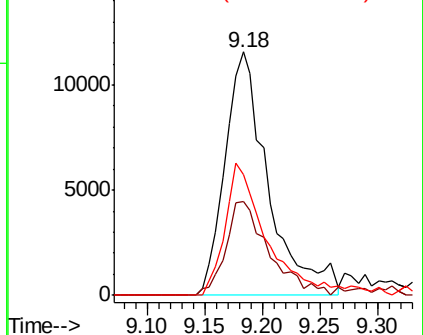


Abundance

Ion 82.00 (81.70 to 82.70): BGC

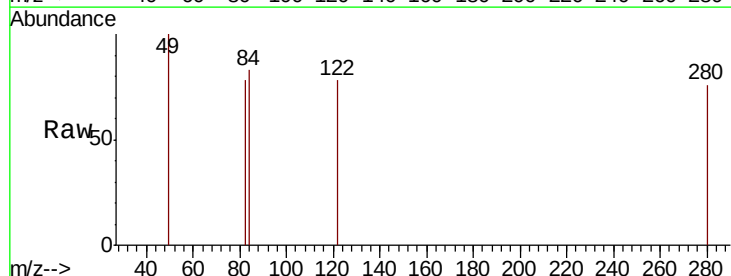
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32
Benzoic acid
Concen: 9.074 ng
RT: 9.96 min Scan# 1170
Delta R.T. -0.20 min
Lab File: BG043496.D
Acq: 5 Nov 2019 00:53

Tgt Ion	122	Resp	55
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
122	100		
105	0.0	103.3	143.3#
77	0.0	84.9	124.9#

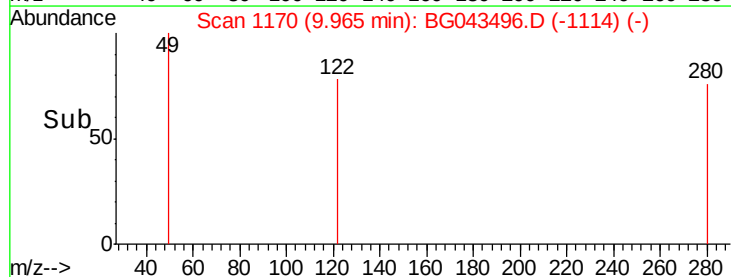
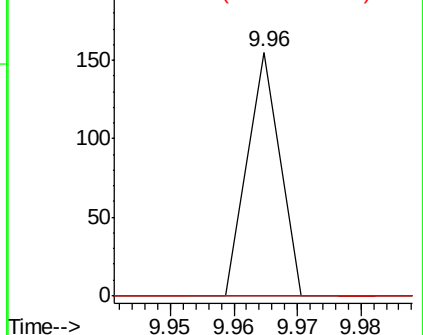


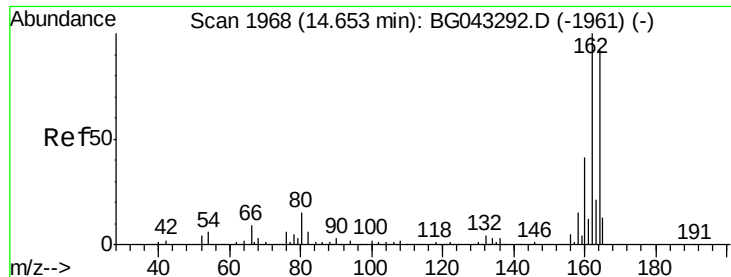
Abundance

Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

Instrument :

BNA_G

ClientSampled :

S-1

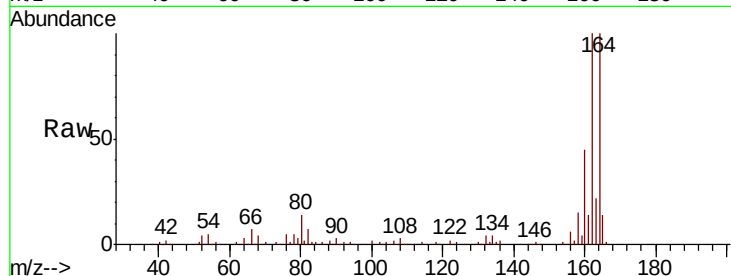
Tot Ion:164 Resp: 124837

Ion Ratio Lower Upper

164 100

162 100.5 83.5 125.3

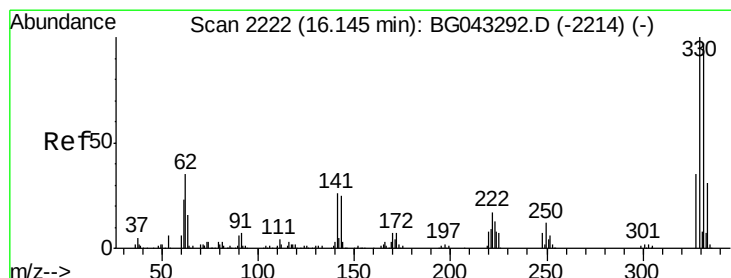
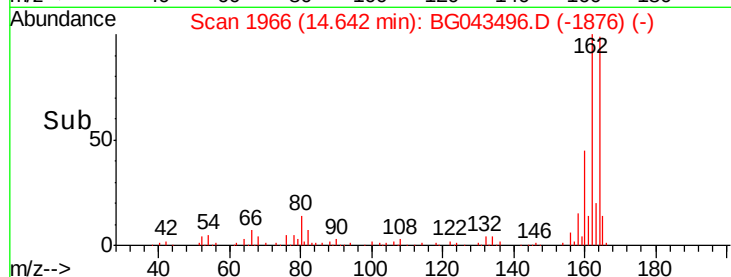
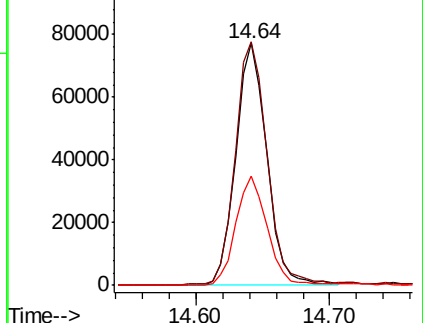
160 45.3 36.5 54.7



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: 0.664 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.02 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

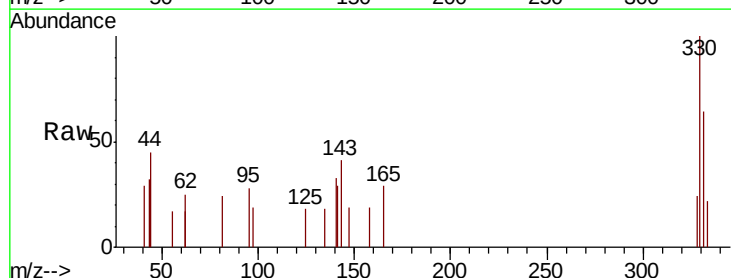
Tgt Ion:330 Resp: 1578

Ion Ratio Lower Upper

330 100

332 84.2 77.4 116.0

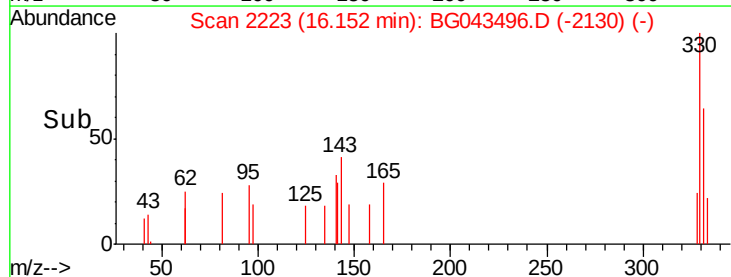
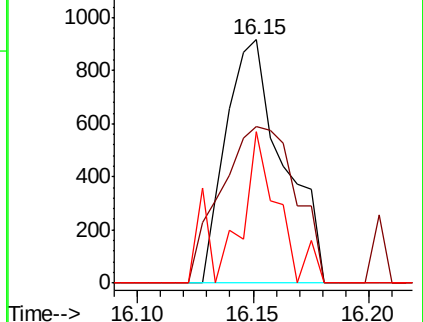
141 38.0 22.8 34.2#

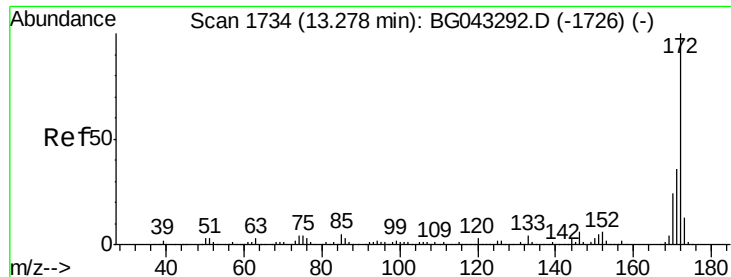


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

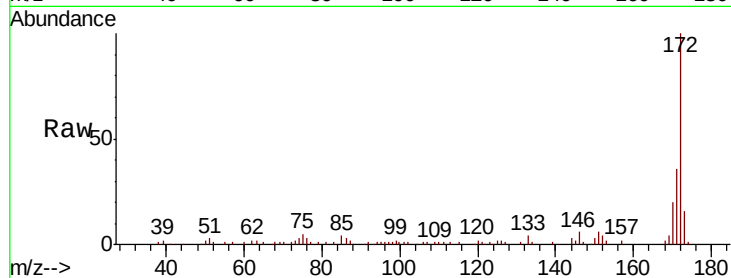




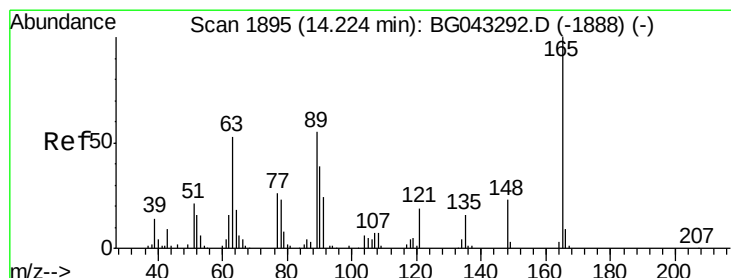
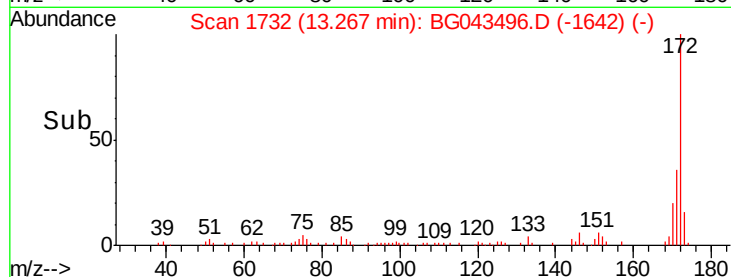
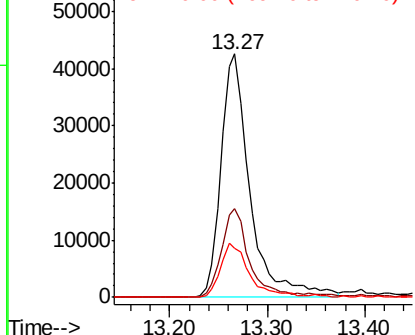
#45
 2-Fluorobiphenyl
 Concen: 9.740 ng
 RT: 13.27 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: BG043496.D
 Acq: 5 Nov 2019 00:53

Instrument :
 BNA_G
 ClientSampled :
 S-1

Tot Ion:172 Resp: 87992
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 19.9 18.5 27.7

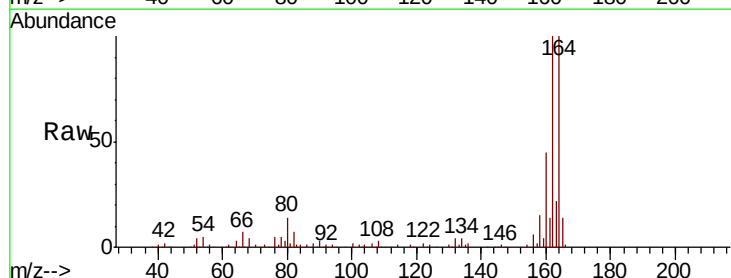


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

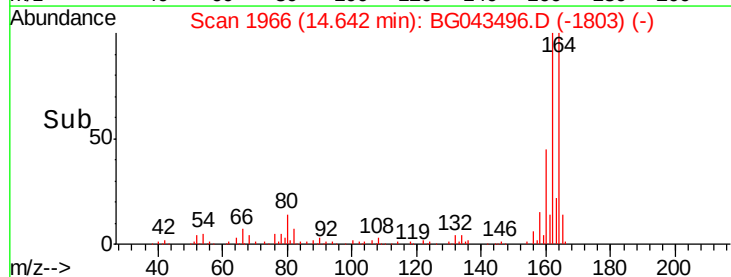
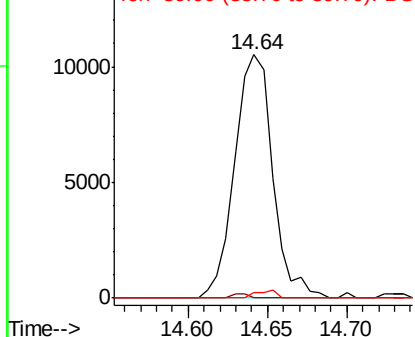


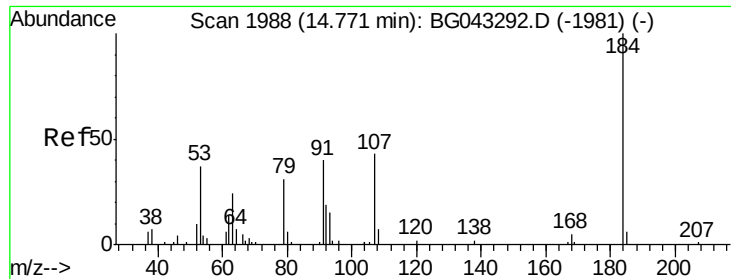
#51
 2,6-Dinitrotoluene
 Concen: 8.332 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.43 min
 Lab File: BG043496.D
 Acq: 5 Nov 2019 00:53

Tgt Ion:165 Resp: 17502
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 2.4 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

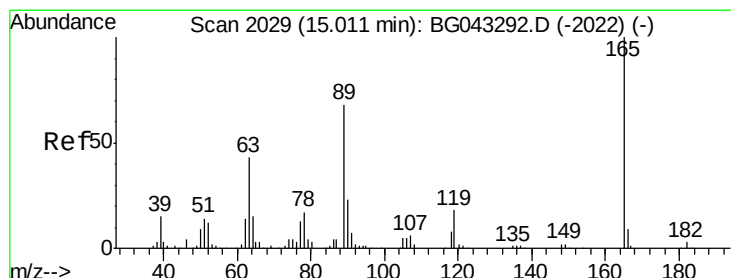
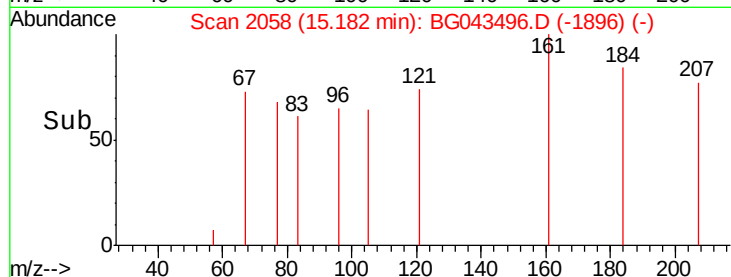
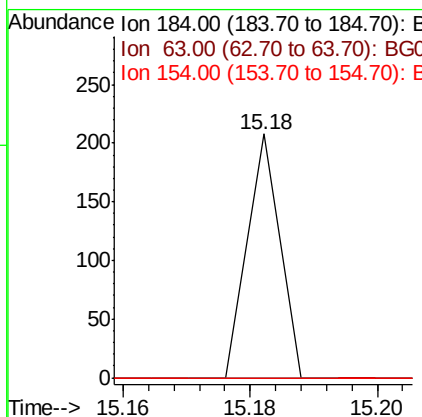
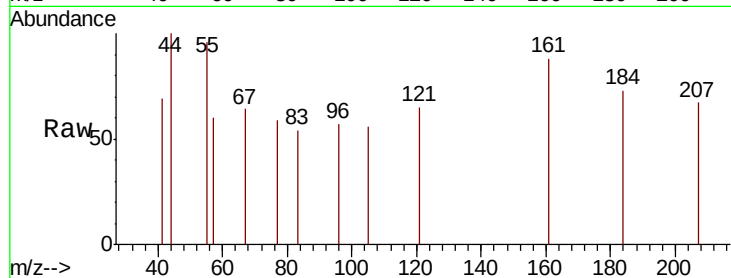




#54
 2,4-Dinitrophenol
 Concen: 7.333 ng
 RT: 15.18 min Scan# 2058
 Delta R.T. 0.42 min
 Lab File: BG043496.D
 Acq: 5 Nov 2019 00:53

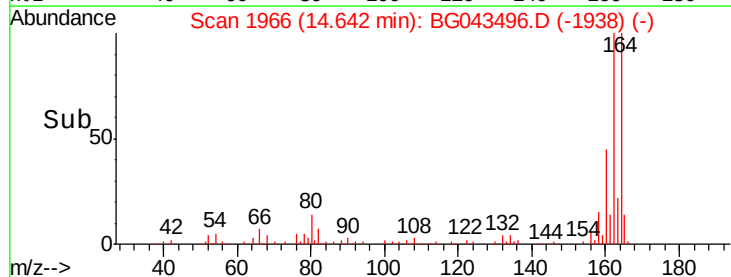
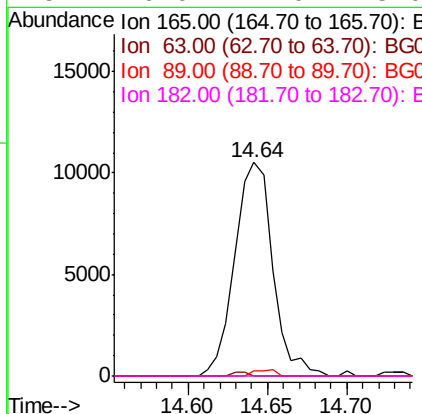
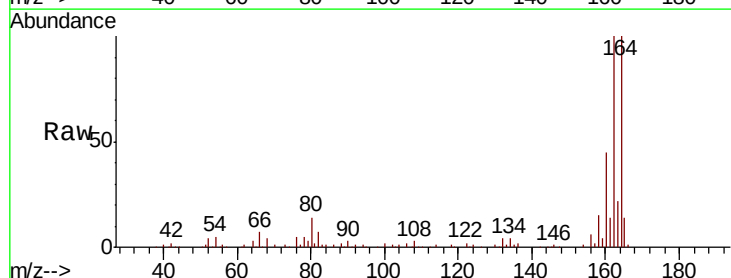
Instrument :
 BNA_G
 ClientSampled :
 S-1

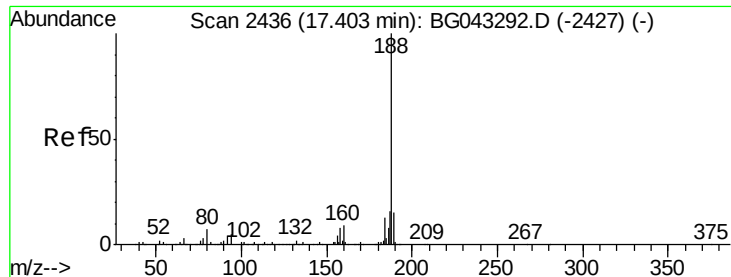
Tot Ion:184 Resp: 73
 Ion Ratio Lower Upper
 184 100
 63 0.0 51.3 76.9#
 154 0.0 55.4 83.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.830 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.36 min
 Lab File: BG043496.D
 Acq: 5 Nov 2019 00:53

Tgt Ion:165 Resp: 17502
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 2.4 52.2 78.4#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

Instrument :

BNA_G

ClientSampleId :

S-1

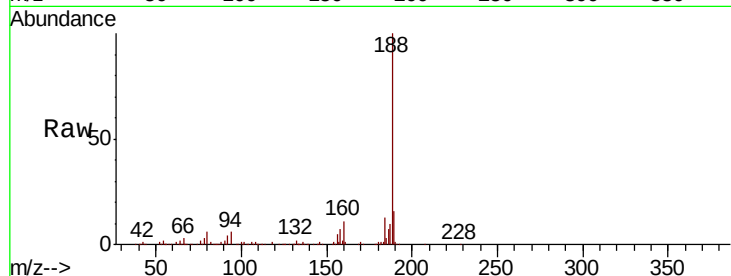
Tot Ion:188 Resp: 289106

Ion Ratio Lower Upper

188 100

94 5.9 4.2 6.4

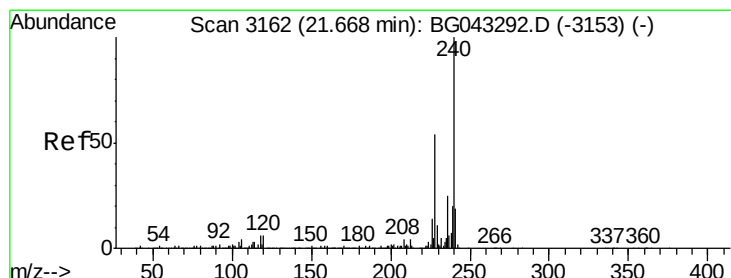
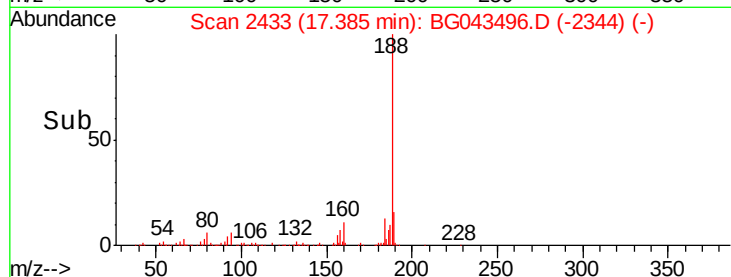
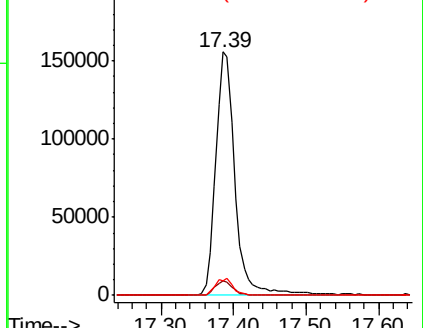
80 6.1 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

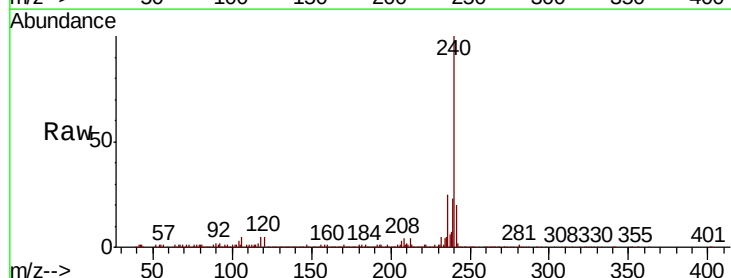
Tgt Ion:240 Resp: 297044

Ion Ratio Lower Upper

240 100

120 5.4 4.6 6.8

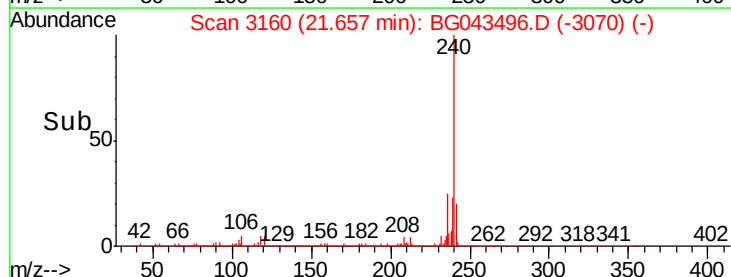
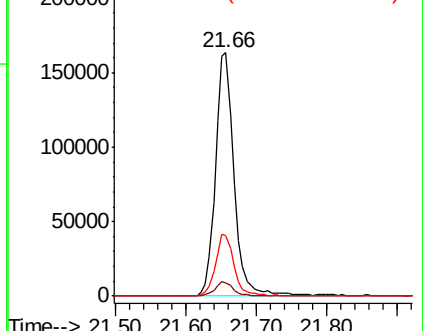
236 25.1 19.8 29.8

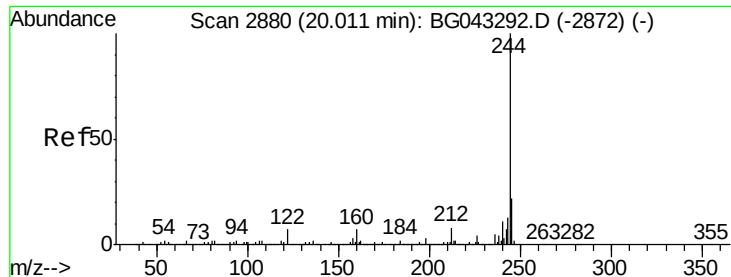


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 10.535 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

Instrument :

BNA_G

ClientSampled :

S-1

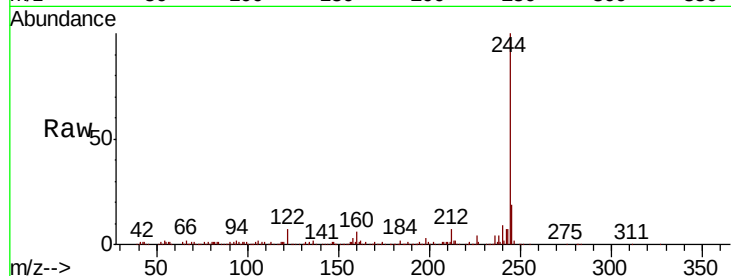
Tot Ion:244 Resp: 166802

Ion Ratio Lower Upper

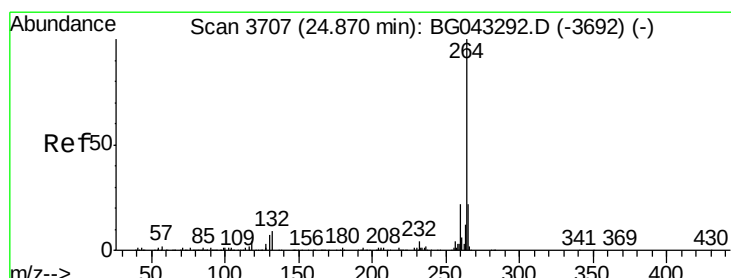
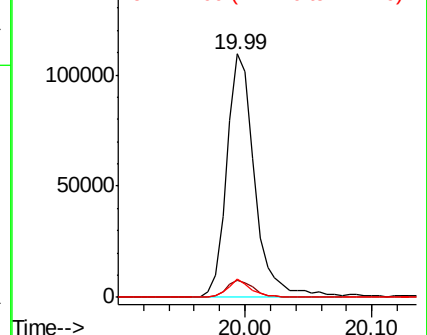
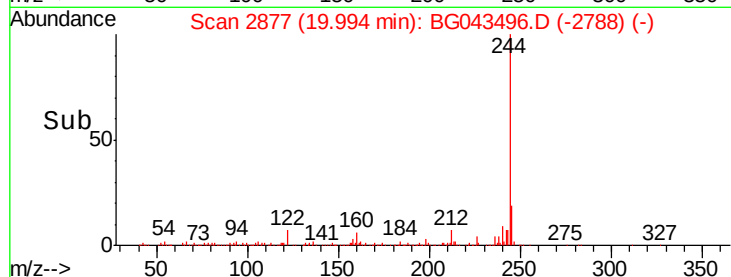
244 100

212 7.0 5.8 8.6

122 7.3 5.4 8.2



Abundance Ion 244.00 (243.70 to 244.70): E
150000
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# 3703

Delta R.T. -0.01 min

Lab File: BG043496.D

Acq: 5 Nov 2019 00:53

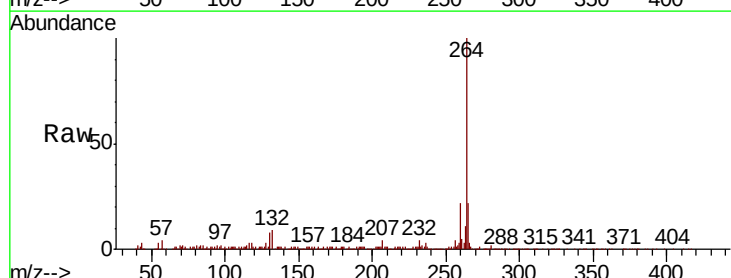
Tgt Ion:264 Resp: 355496

Ion Ratio Lower Upper

264 100

260 21.7 17.5 26.3

265 21.6 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
150000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

