

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041119.D
 Acq On : 8 Jun 2019 4:45
 Operator : HP/JU
 Sample : K3160-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-060619-A

Quant Time: Jun 08 07:04:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

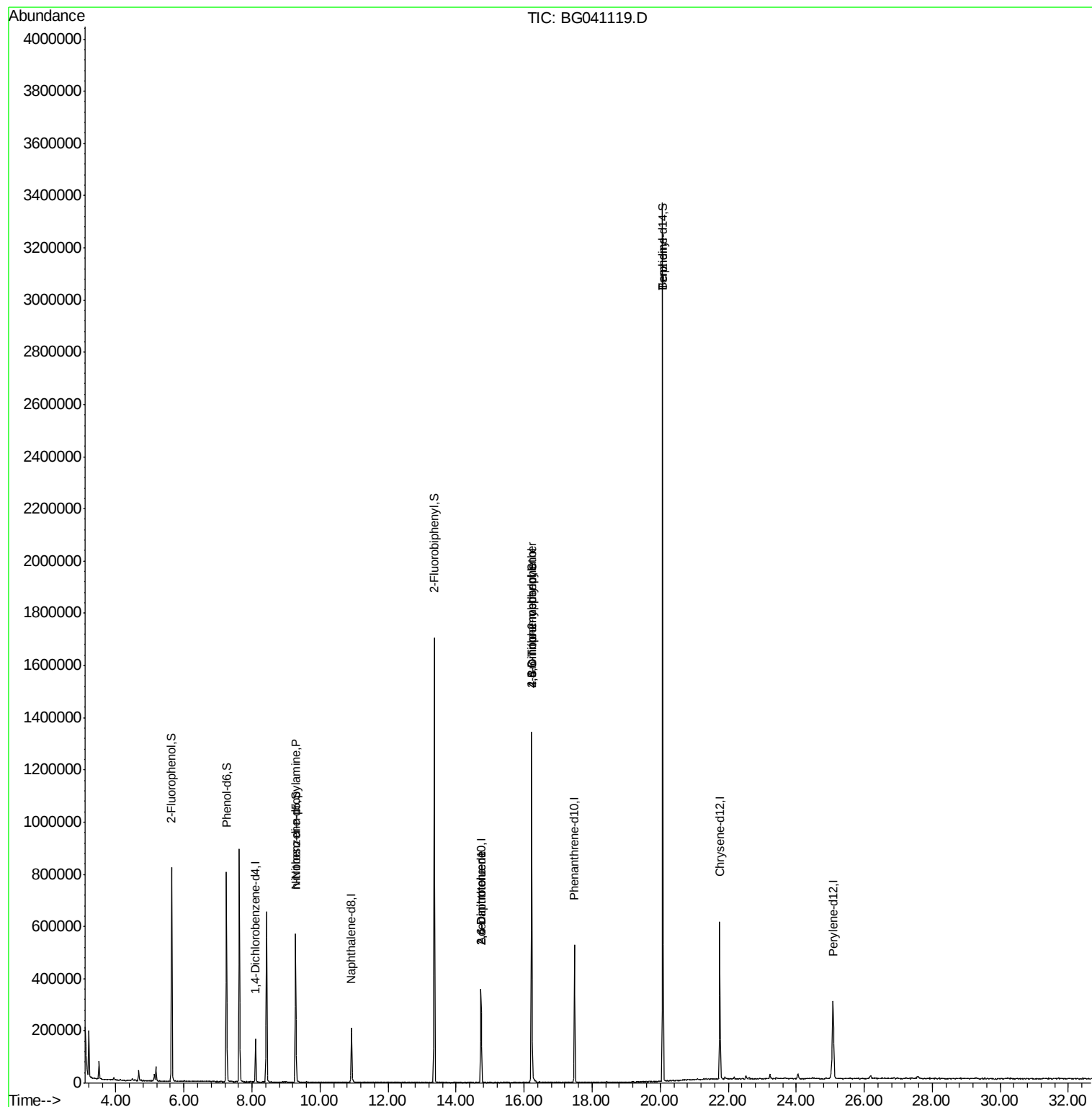
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	42381	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	168439	20.00	ng	-0.03
39) Acenaphthene-d10	14.73	164	130872	20.00	ng	-0.03
64) Phenanthrene-d10	17.48	188	333475	20.00	ng	-0.03
76) Chrysene-d12	21.75	240	351821	20.00	ng	-0.03
87) Perylene-d12	25.08	264	367280	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	316349	134.60	ng	-0.01
7) Phenol-d6	7.25	99	425834	117.32	ng	-0.02
23) Nitrobenzene-d5	9.28	82	353955	93.29	ng	-0.03
42) 2,4,6-Tribromophenol	16.22	330	267336	137.60	ng	-0.03
45) 2-Fluorobiphenyl	13.36	172	852543	93.81	ng	-0.03
79) Terphenyl-d14	20.07	244	1529585	92.27	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	49722	17.800	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	17573	7.357	ng	# 18
57) 2,4-Dinitrotoluene	14.73	165	17573	5.208	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.22	198	820	8.966	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	19956	4.434	ng	# 1
77) Benzidine	20.07	184	26431	3.149	ng	# 93

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

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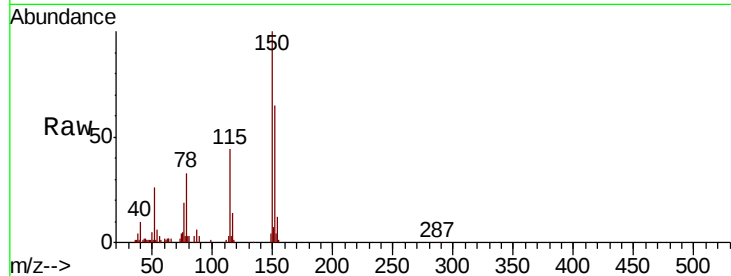


#1

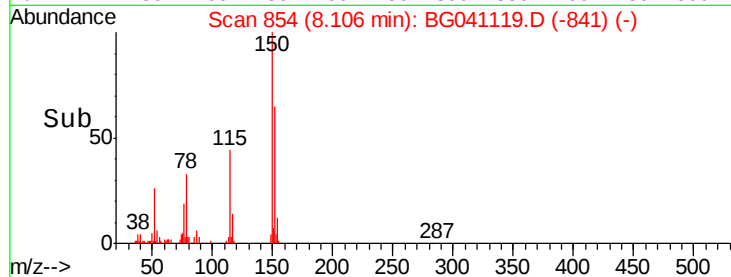
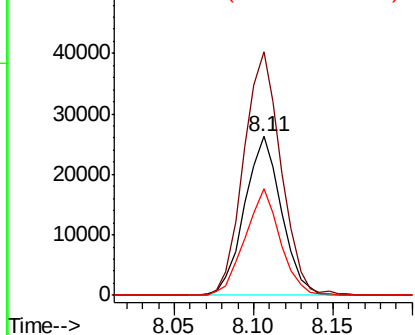
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.03 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Instrument :
BNA_G
ClientSampleId :
EO-02-060619-A

Tgt Ion:152 Resp: 42381
Ion Ratio Lower Upper
152 100
150 153.0 120.6 180.8
115 66.9 45.1 67.7



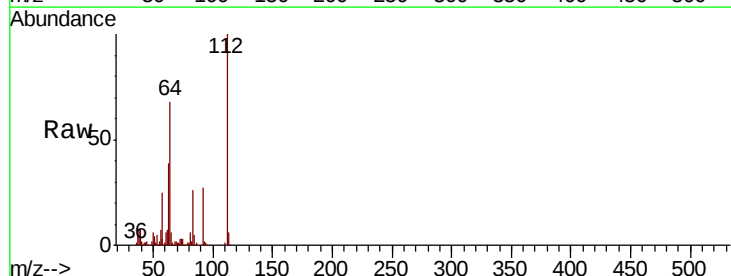
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



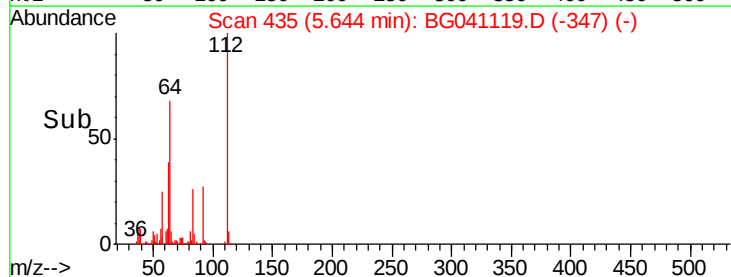
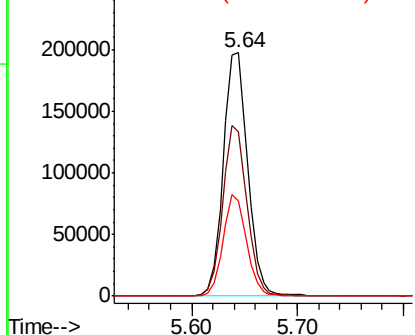
#5

2-Fluorophenol
Concen: 134.599 ng
RT: 5.64 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Tgt Ion:112 Resp: 316349
Ion Ratio Lower Upper
112 100
64 67.6 56.2 84.2
63 39.1 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.316 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

Instrument :

BNA_G

ClientSampleId :

EO-02-060619-A

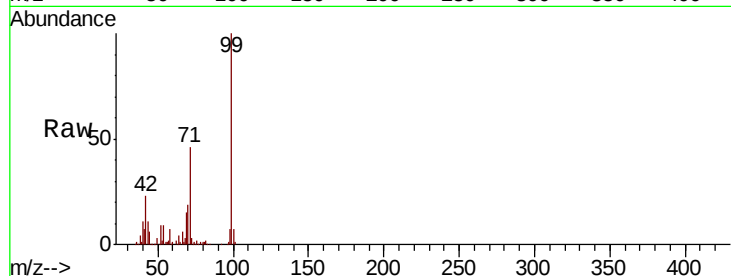
Tgt Ion: 99 Resp: 425834

Ion Ratio Lower Upper

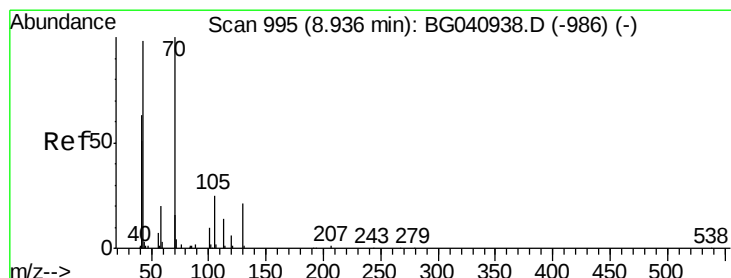
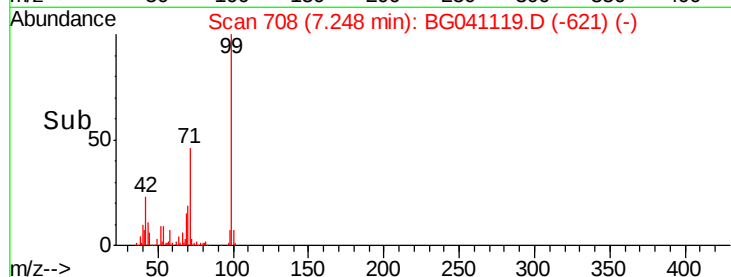
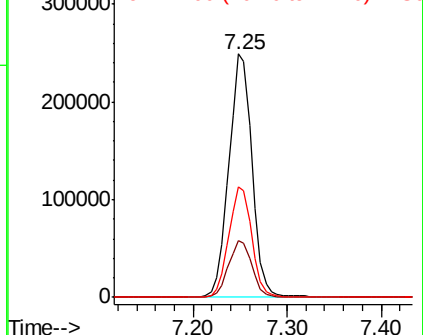
99 100

42 23.4 17.9 26.9

71 45.5 35.4 53.0



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: 17.800 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

Tgt Ion: 70 Resp: 49722

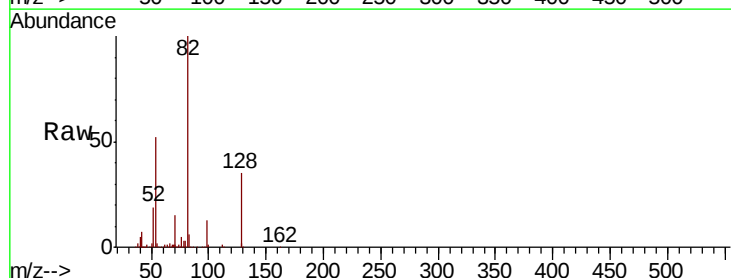
Ion Ratio Lower Upper

70 100

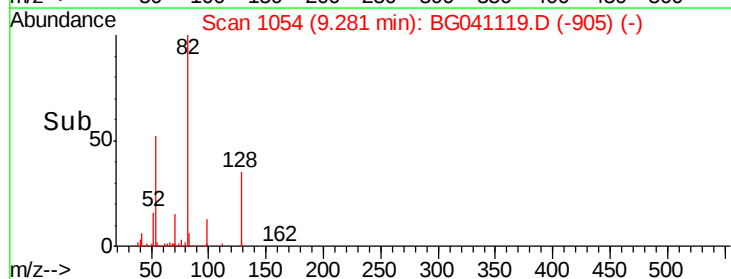
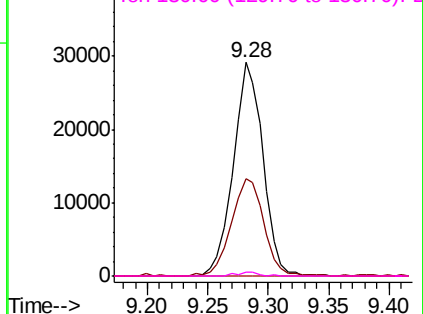
42 45.7 51.5 77.3#

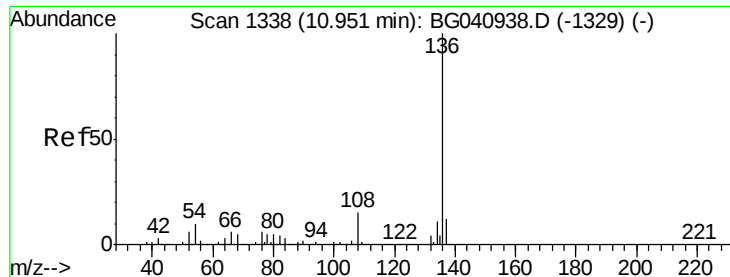
101 0.0 8.1 12.1#

130 1.9 16.6 24.8#



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

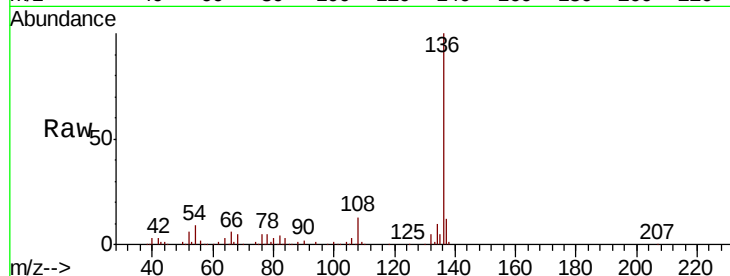




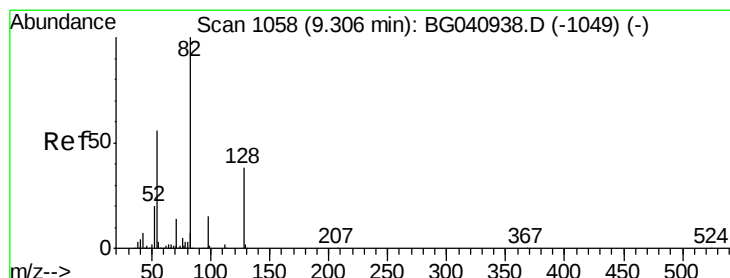
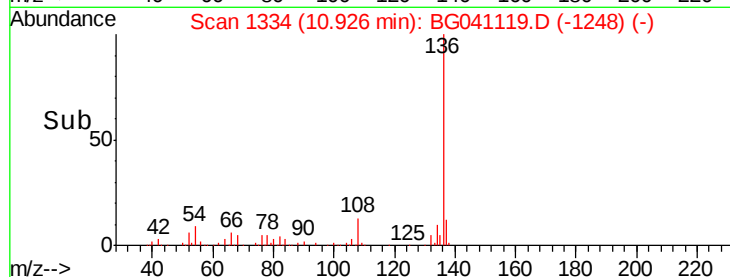
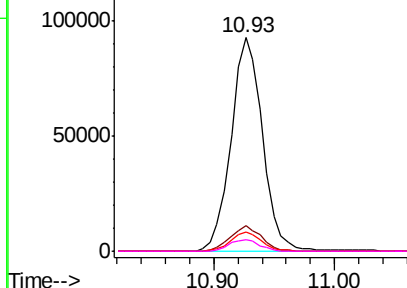
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Instrument :
BNA_G
ClientSampleId :
EO-02-060619-A

Tgt Ion:	136	Resp:	168439
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	8.7	7.6	11.4
68	5.1	3.9	5.9

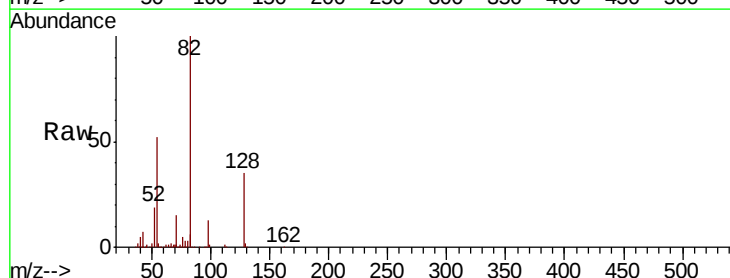


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

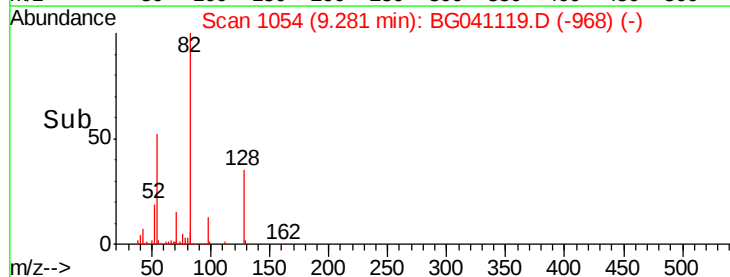
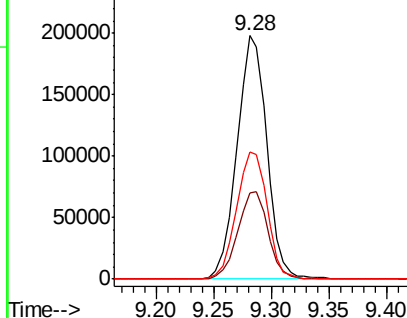


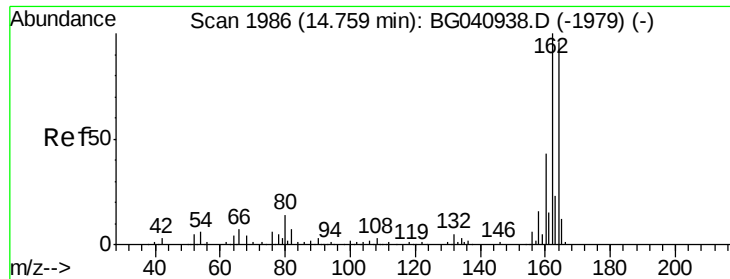
#23
Nitrobenzene-d5
Concen: 93.288 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Tgt Ion:	82	Resp:	353955
Ion	Ratio	Lower	Upper
82	100		
128	35.3	30.5	45.7
54	52.4	44.6	66.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

Instrument :

BNA_G

ClientSampleId :

EO-02-060619-A

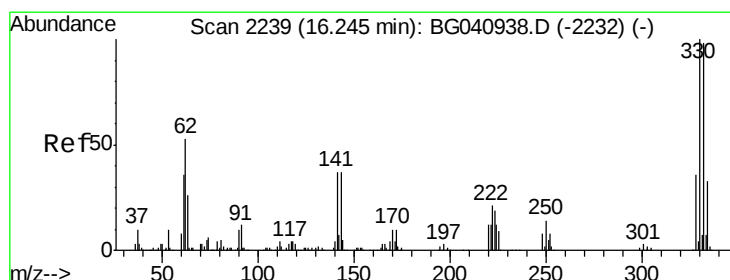
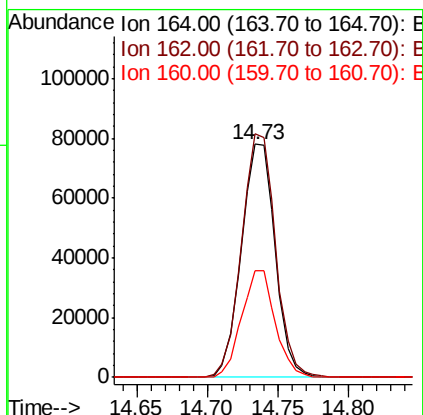
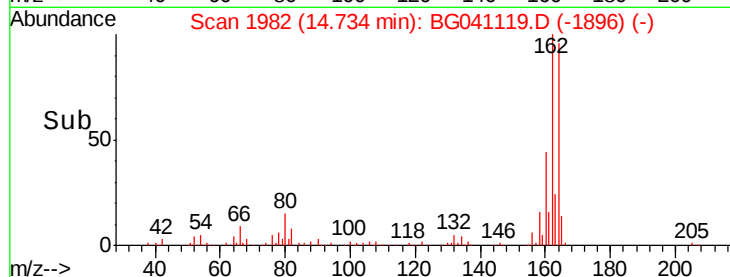
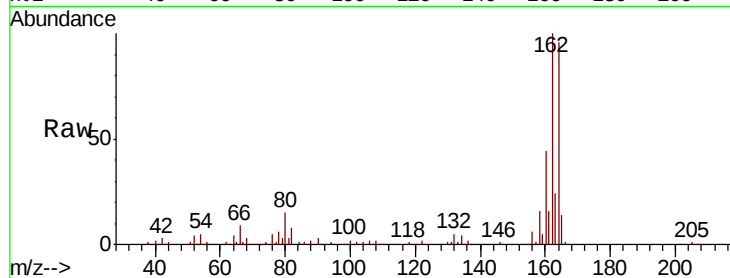
Tgt Ion:164 Resp: 130872

Ion Ratio Lower Upper

164 100

162 104.5 83.0 124.4

160 45.7 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 137.597 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

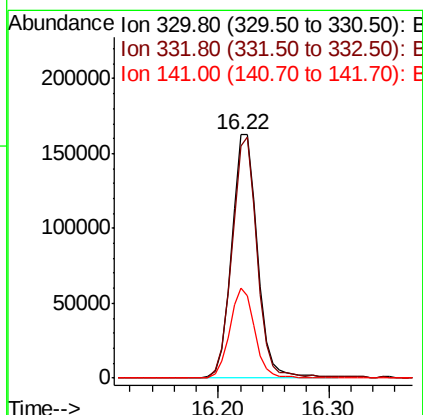
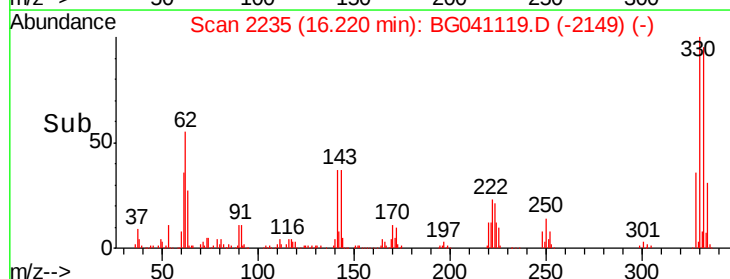
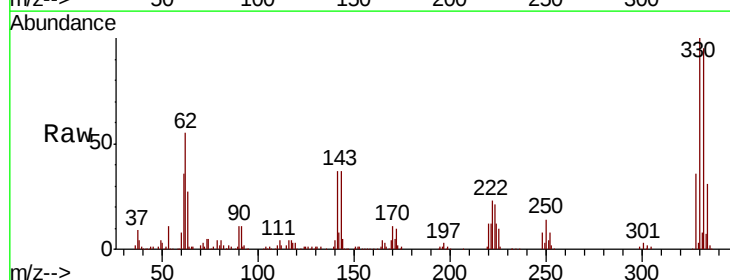
Tgt Ion:330 Resp: 267336

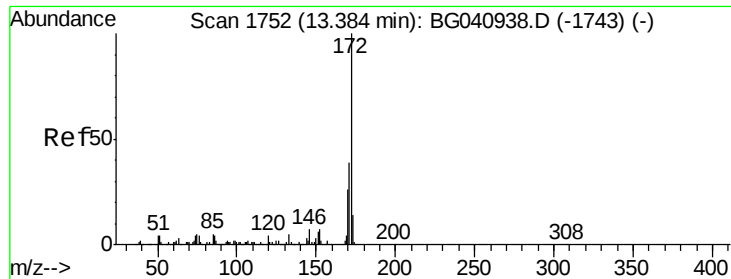
Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 35.7 28.7 43.1

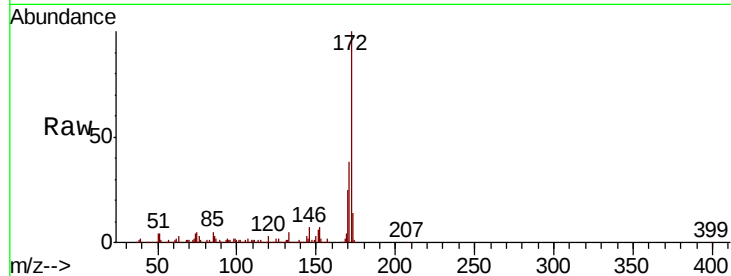




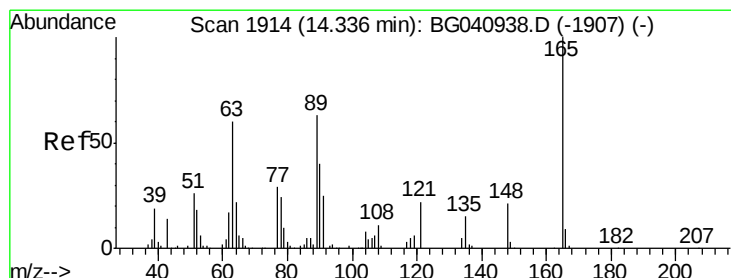
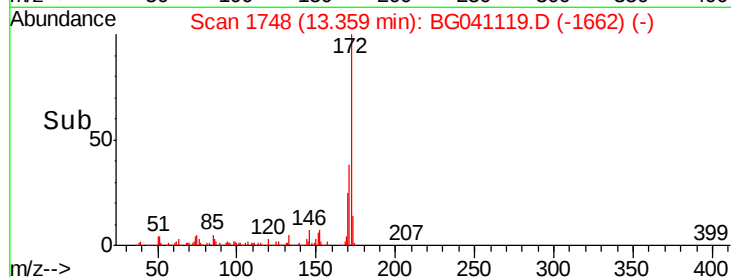
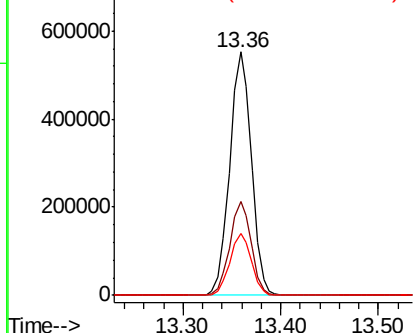
#45
2-Fluorobiphenyl
Concen: 93.813 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Instrument :
BNA_G
ClientSampleId :
EO-02-060619-A

Tgt Ion:172 Resp: 852543
Ion Ratio Lower Upper
172 100
171 38.3 31.1 46.7
170 25.5 20.5 30.7

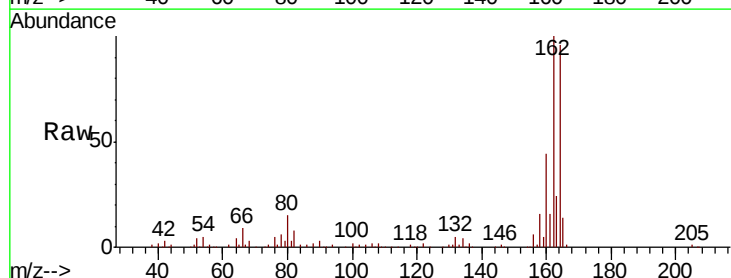


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

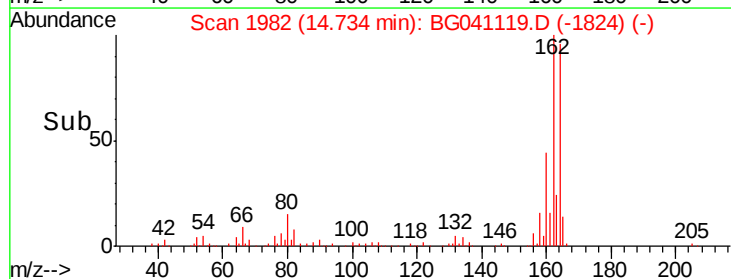
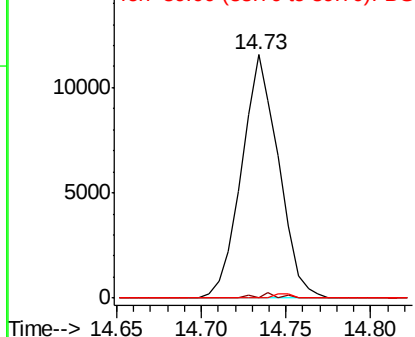


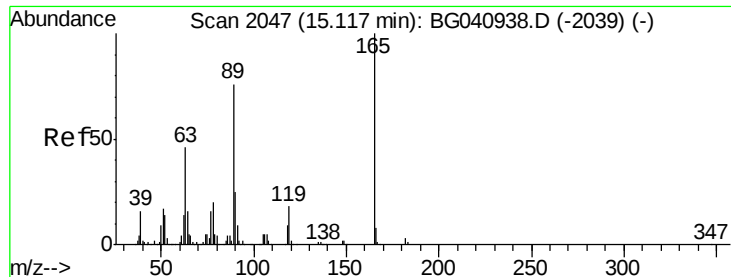
#51
2,6-Dinitrotoluene
Concen: 7.357 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.40 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Tgt Ion:165 Resp: 17573
Ion Ratio Lower Upper
165 100
63 0.0 53.6 80.4#
89 0.0 50.4 75.6#



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

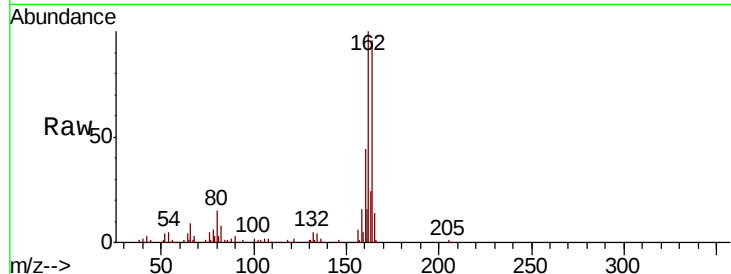




#57
2,4-Dinitrotoluene
Concen: 5.208 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.38 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Instrument :
BNA_G
ClientSampleId :
EO-02-060619-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	61.0	91.6#
182	0.0	2.2	3.2#

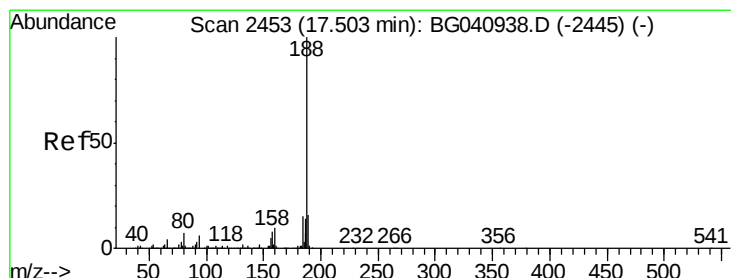
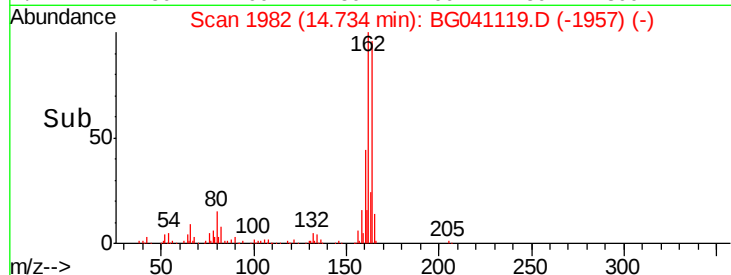
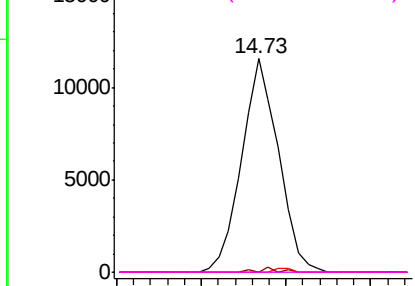


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

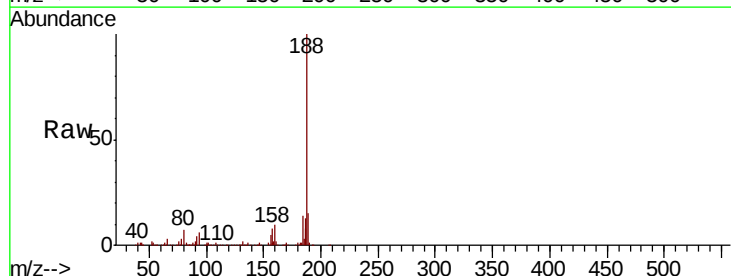
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.03 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

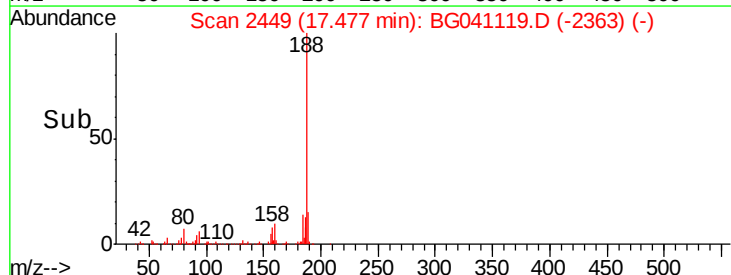
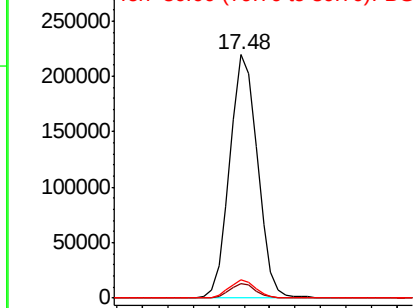
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	4.7	7.1
80	7.4	5.8	8.8

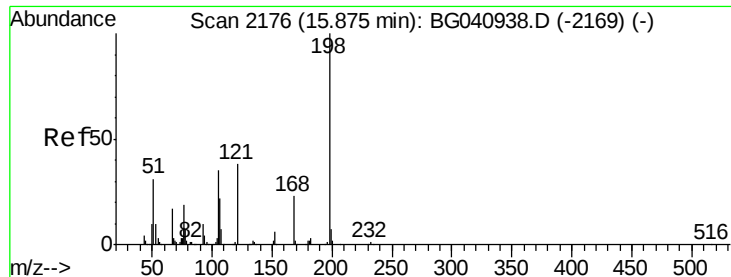


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.966 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.35 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

Instrument :

BNA_G

ClientSampleId :

EO-02-060619-A

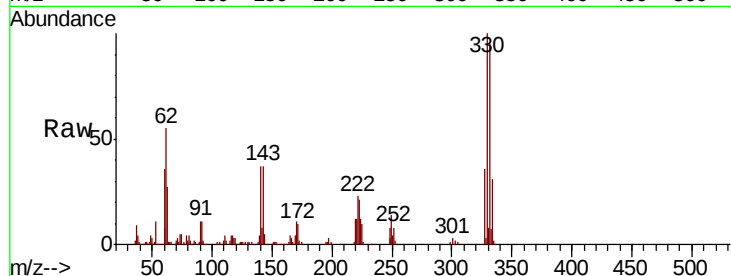
Tgt Ion:198 Resp: 820

Ion Ratio Lower Upper

198 100

51 109.8 21.6 61.6#

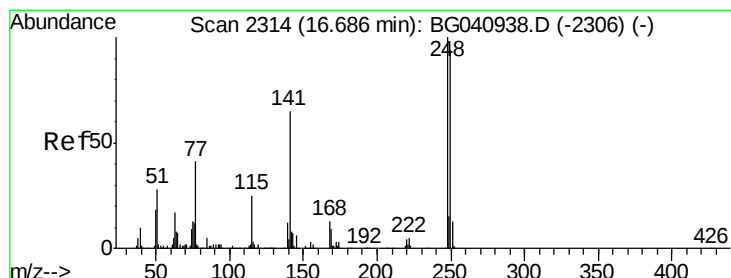
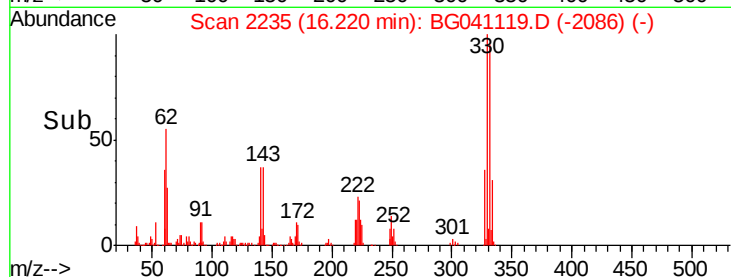
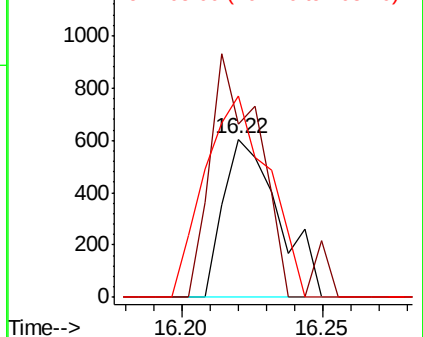
105 127.3 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.434 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.47 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

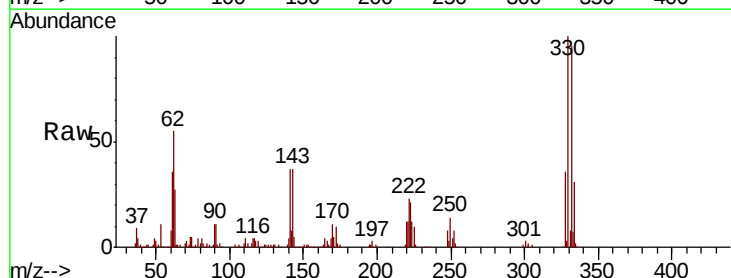
Tgt Ion:248 Resp: 19956

Ion Ratio Lower Upper

248 100

250 176.7 75.0 112.4#

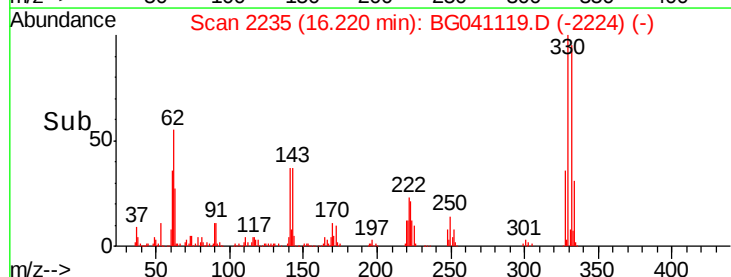
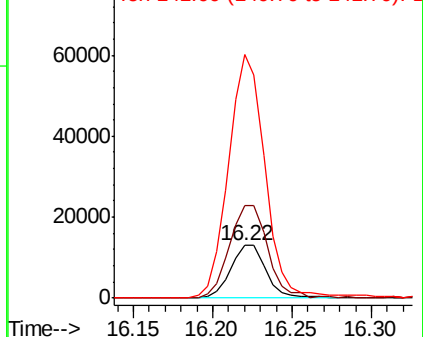
141 462.5 52.4 78.6#

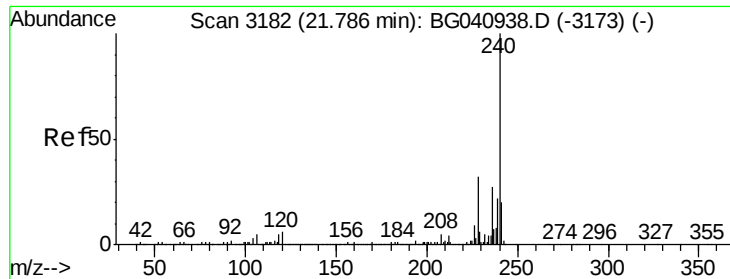


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

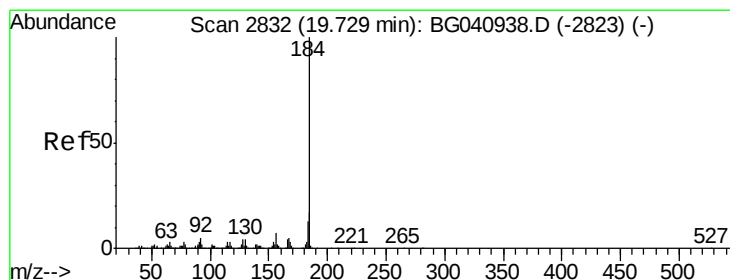
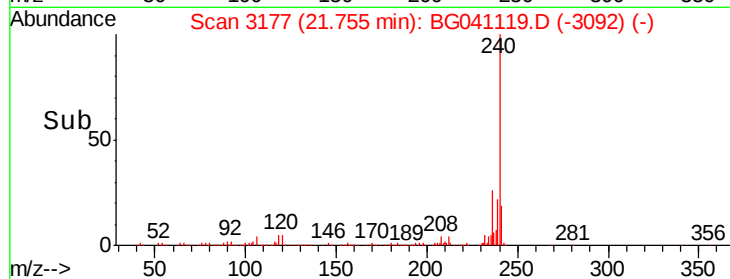
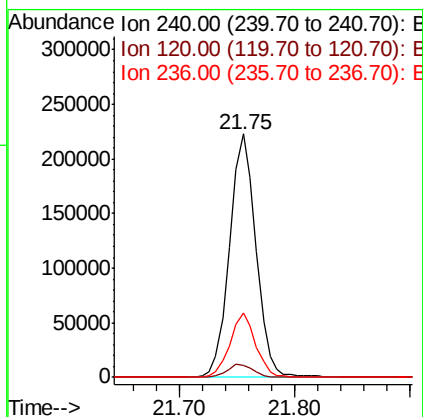
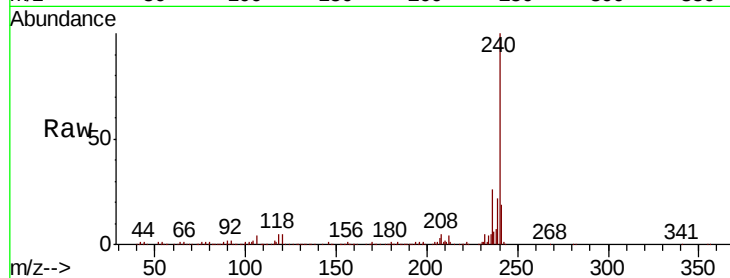




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. -0.03 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

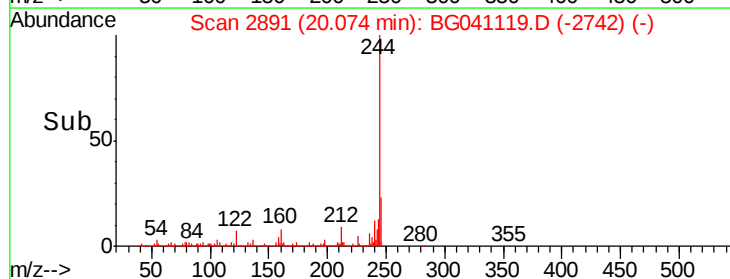
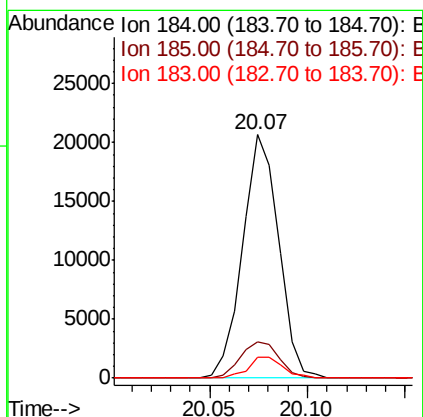
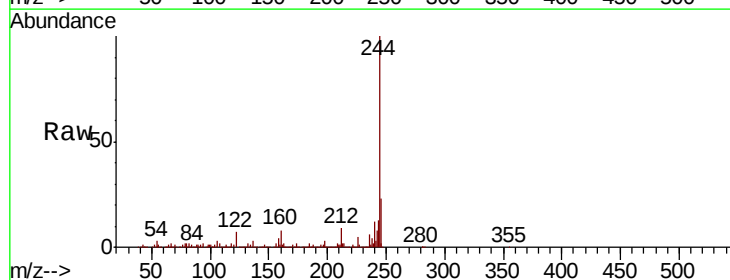
Instrument :
BNA_G
ClientSampleId :
EO-02-060619-A

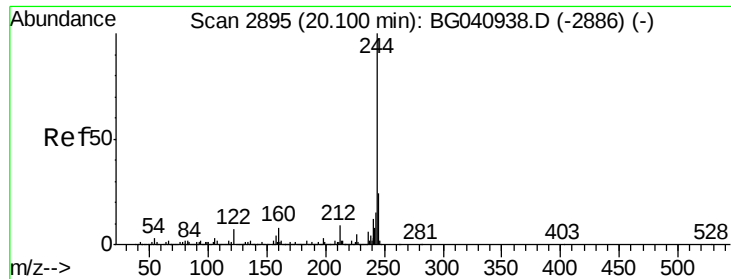
Tgt Ion: 240 Resp: 351821
Ion Ratio Lower Upper
240 100
120 5.0 4.5 6.7
236 26.2 21.3 31.9



#77
Benzidine
Concen: 3.149 ng
RT: 20.07 min Scan# 2891
Delta R.T. 0.35 min
Lab File: BG041119.D
Acq: 8 Jun 2019 4:45

Tgt Ion: 184 Resp: 26431
Ion Ratio Lower Upper
184 100
185 15.1 13.3 19.9
183 8.7 10.7 16.1#





#79

Terphenyl-d14

Concen: 92.272 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

Instrument :

BNA_G

ClientSampleId :

EO-02-060619-A

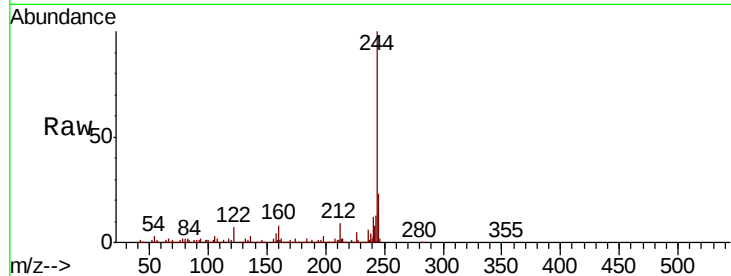
Tgt Ion:244 Resp: 1529585

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.4

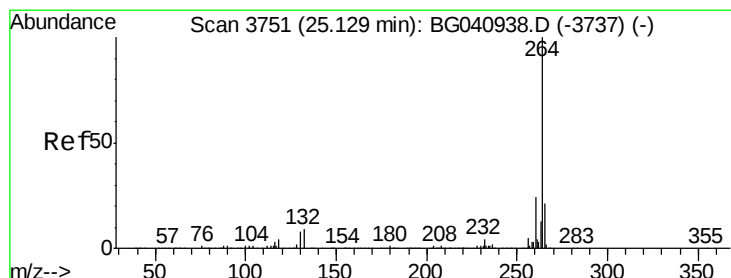
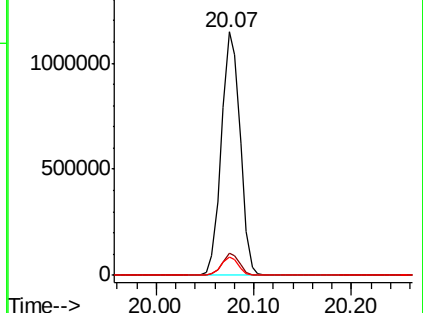
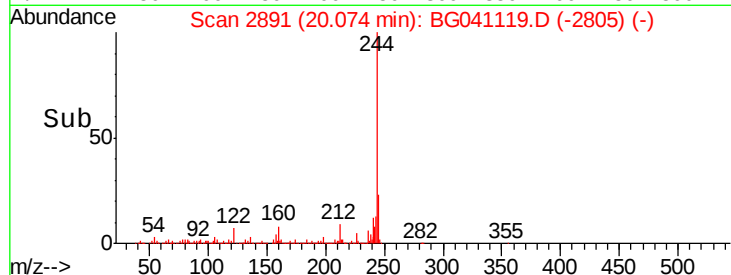
122 7.4 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041119.D

Acq: 8 Jun 2019 4:45

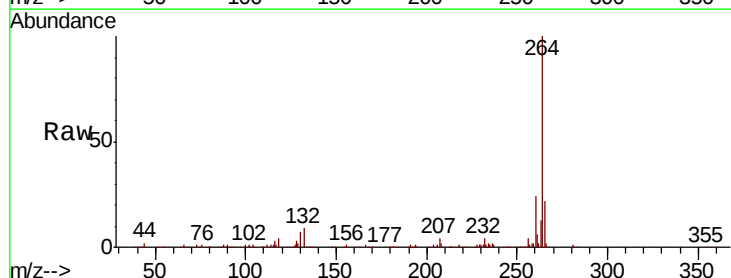
Tgt Ion:264 Resp: 367280

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 21.7 17.0 25.4



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

