

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041409.D
 Acq On : 22 Jun 2019 18:52
 Operator : HP/JU
 Sample : K3470-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-061919-B

Quant Time: Jun 24 02:10:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

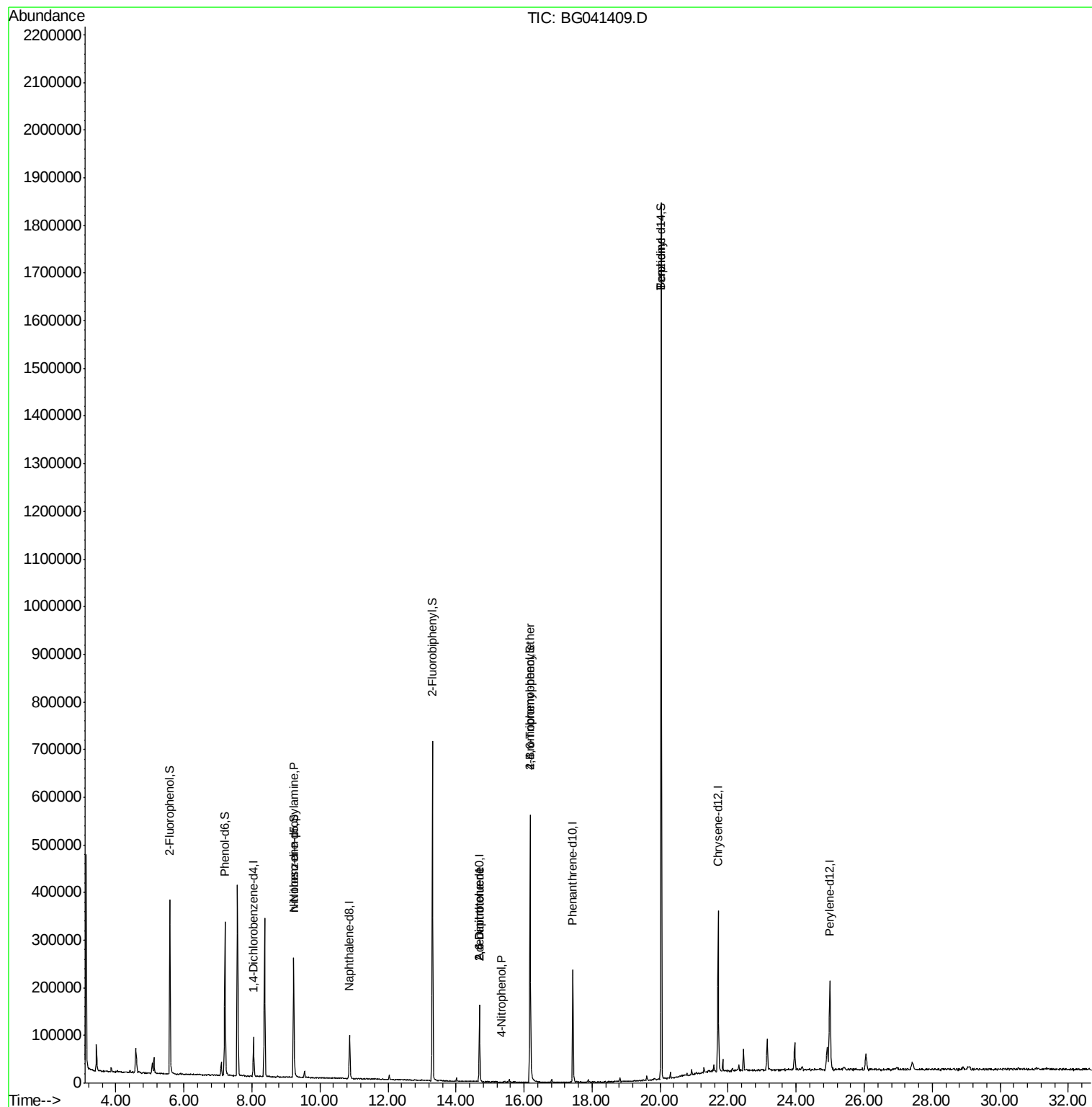
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23202	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	80723	20.00	ng	-0.04
39) Acenaphthene-d10	14.69	164	55691	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	159126	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	207479	20.00	ng	-0.04
87) Perylene-d12	24.99	264	221496	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	143899	113.96	ng	-0.03
7) Phenol-d6	7.20	99	175812	96.05	ng	-0.03
23) Nitrobenzene-d5	9.23	82	164387	85.64	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	120655	141.12	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	376508	91.89	ng	-0.03
79) Terphenyl-d14	20.03	244	906340	86.57	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	23094	15.600	ng	# 71
51) 2,6-Dinitrotoluene	14.69	165	7319	7.005	ng	# 15
56) 4-Nitrophenol	15.33	139	54	3.282	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	7319	4.792	ng	# 18
67) 4-Bromophenyl-phenylether	16.17	248	7968	3.873	ng	# 1
77) Benzidine	20.03	184	14444	2.878	ng	# 92

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

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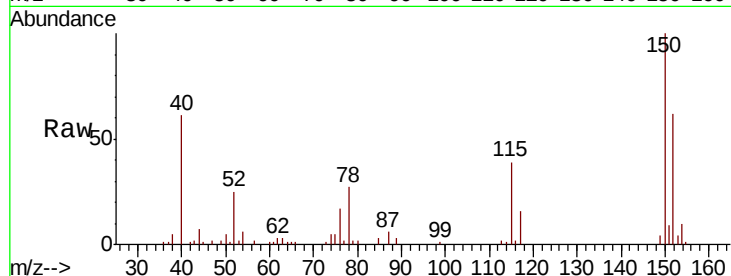


#1

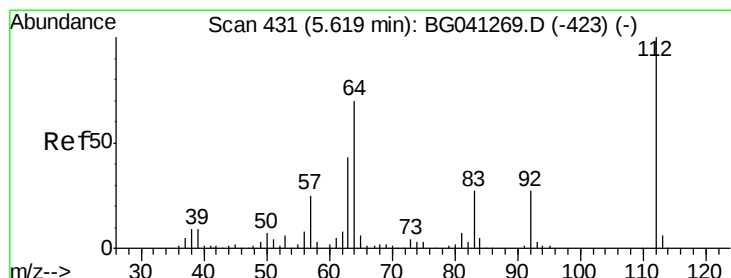
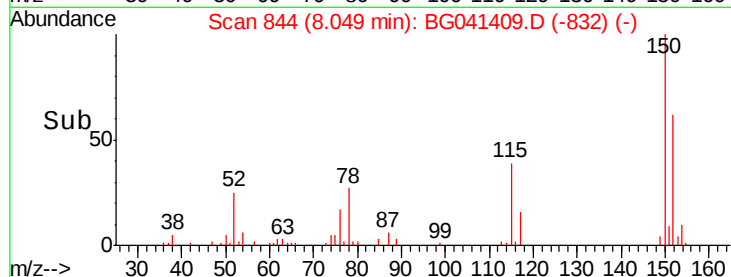
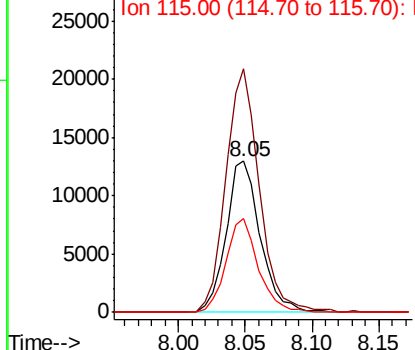
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.03 min
Lab File: BG041409.D
Acq: 22 Jun 2019 18:52

Instrument :
BNA_G
ClientSampleId :
OR-02-061919-B

Tot Ion:152 Resp: 23202
Ion Ratio Lower Upper
152 100
150 161.4 120.6 181.0
115 62.2 47.9 71.9



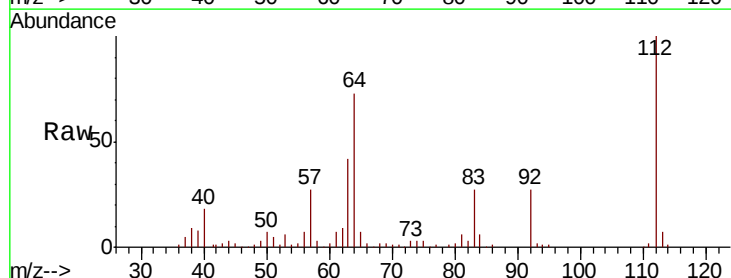
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



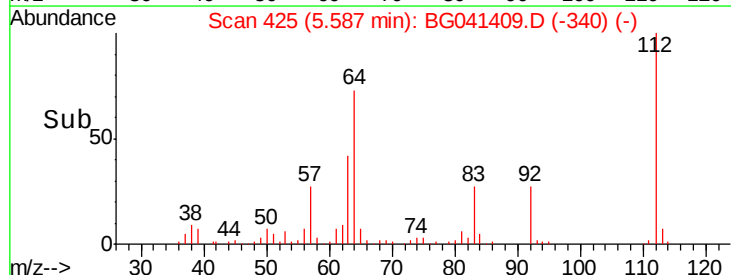
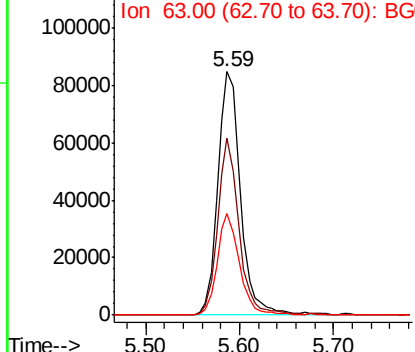
#5

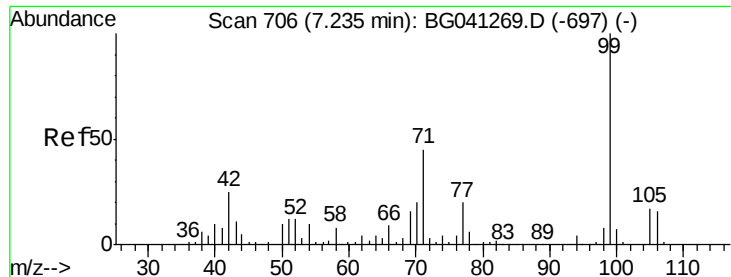
2-Fluorophenol
Concen: 113.957 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.03 min
Lab File: BG041409.D
Acq: 22 Jun 2019 18:52

Tgt Ion:112 Resp: 143899
Ion Ratio Lower Upper
112 100
64 72.7 55.9 83.9
63 41.6 34.6 51.8



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: 96.053 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

Instrument :

BNA_G

ClientSampleId :

OR-02-061919-B

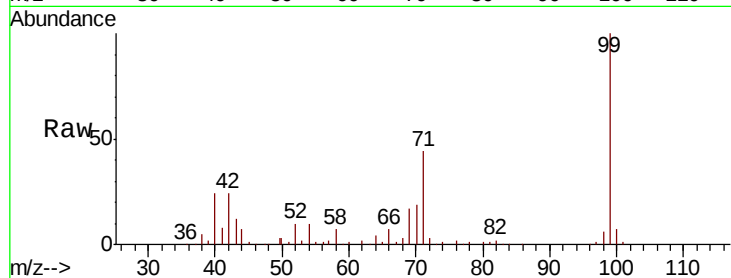
Tot Ion: 99 Resp: 175812

Ion Ratio Lower Upper

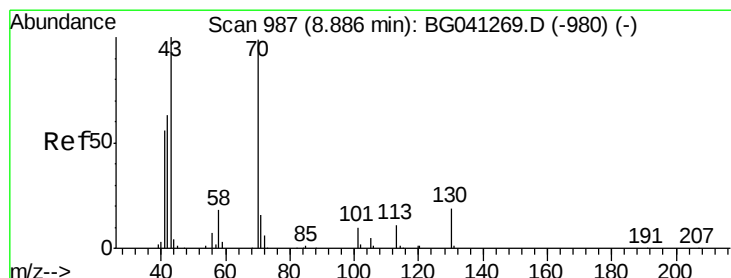
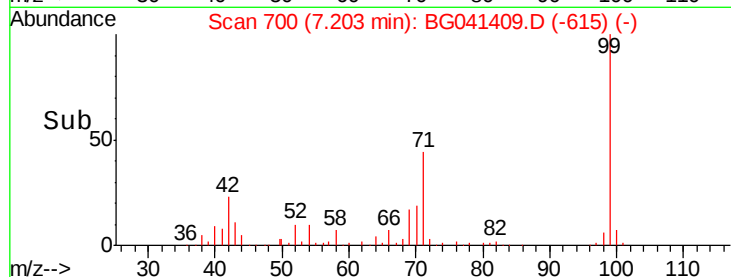
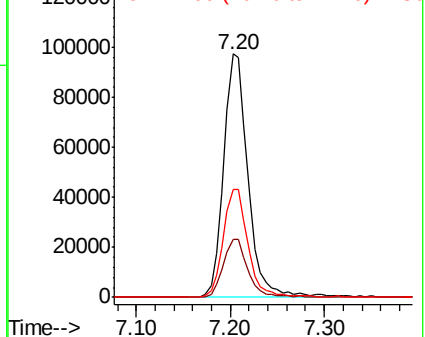
99 100

42 23.6 19.9 29.9

71 44.2 36.4 54.6



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: 15.600 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

Tgt Ion: 70 Resp: 23094

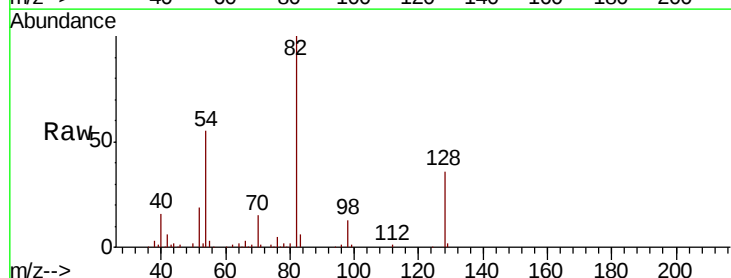
Ion Ratio Lower Upper

70 100

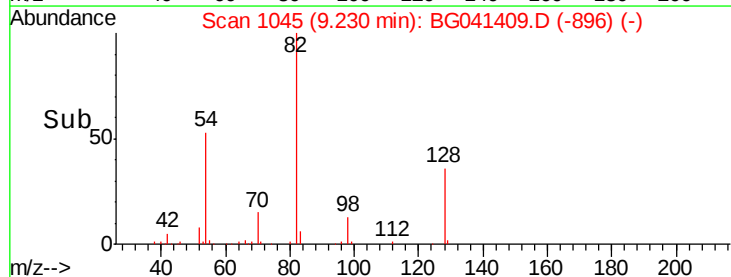
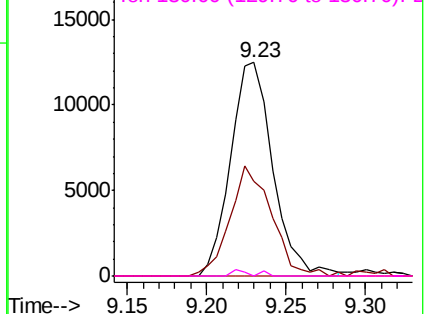
42 44.3 51.4 77.2#

101 0.0 8.2 12.2#

130 0.0 15.2 22.8#



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

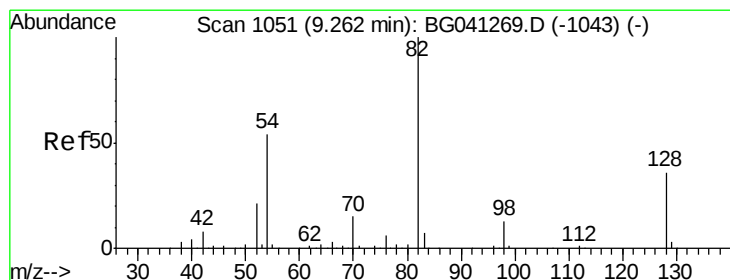
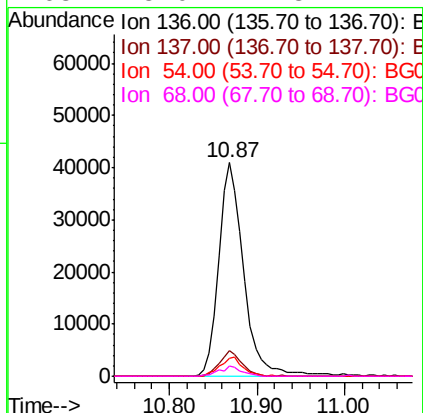
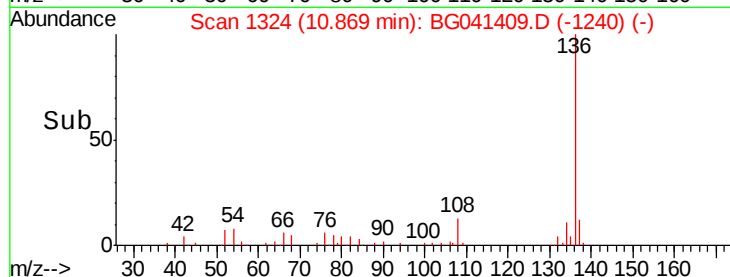
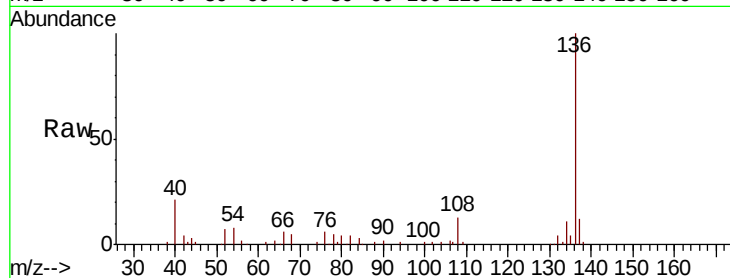




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041409.D
Acq: 22 Jun 2019 18:52

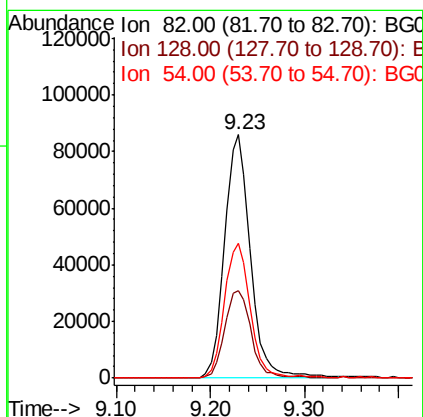
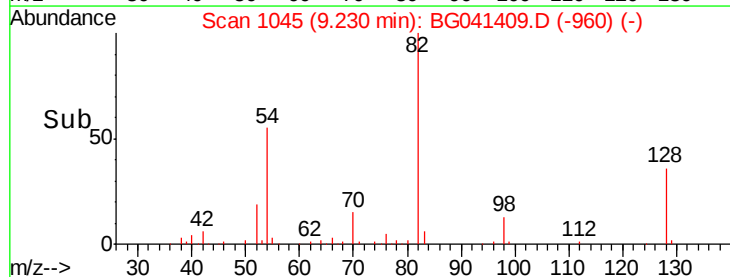
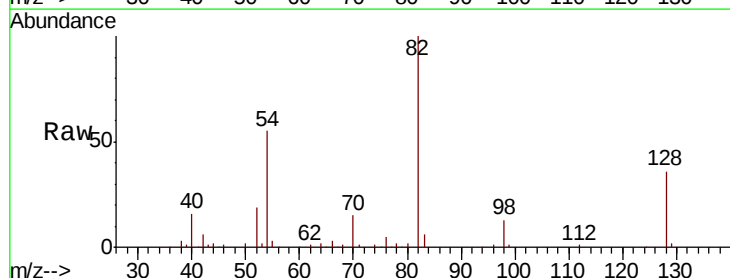
Instrument :
BNA_G
ClientSampleId :
OR-02-061919-B

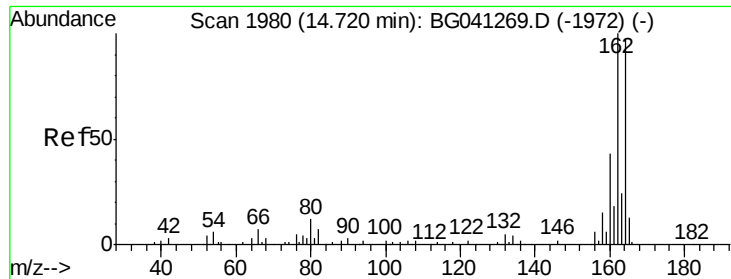
Tot Ion:136 Resp: 80723
Ion Ratio Lower Upper
136 100
137 12.2 8.8 13.2
54 8.2 6.4 9.6
68 5.0 4.8 7.2



#23
Nitrobenzene-d5
Concen: 85.645 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG041409.D
Acq: 22 Jun 2019 18:52

Tgt Ion: 82 Resp: 164387
Ion Ratio Lower Upper
82 100
128 35.9 29.2 43.8
54 55.2 43.4 65.0

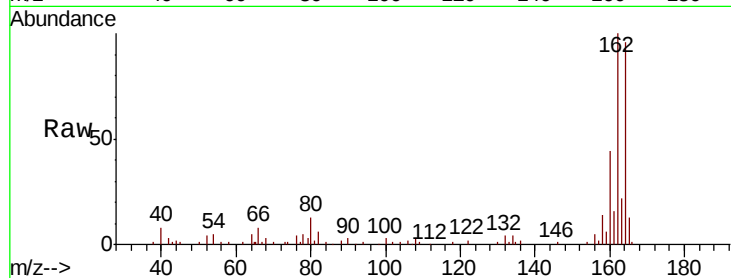




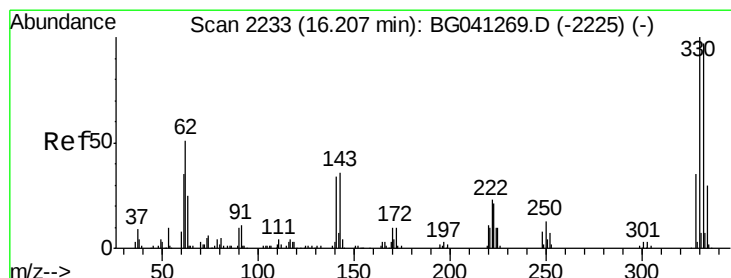
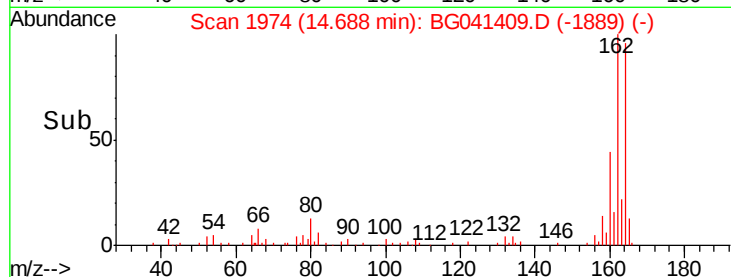
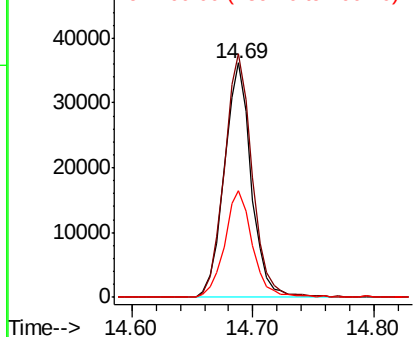
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.03 min
Lab File: BG041409.D
Acq: 22 Jun 2019 18:52

Instrument :
BNA_G
ClientSampleId :
OR-02-061919-B

Tot Ion:164 Resp: 55691
Ion Ratio Lower Upper
164 100
162 103.9 82.8 124.2
160 45.8 35.8 53.8

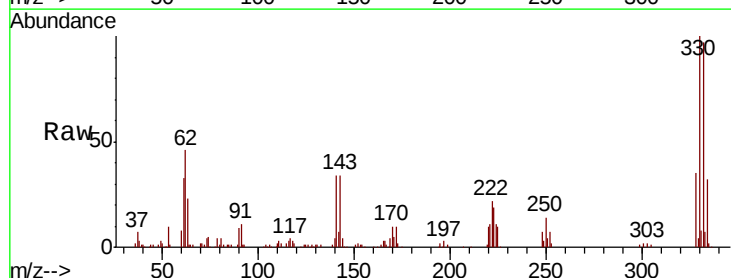


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

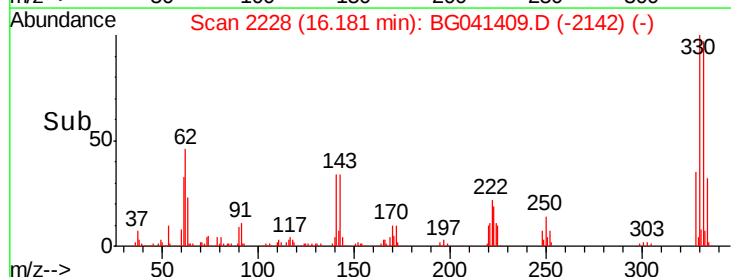
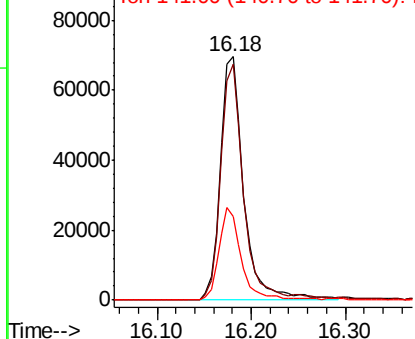


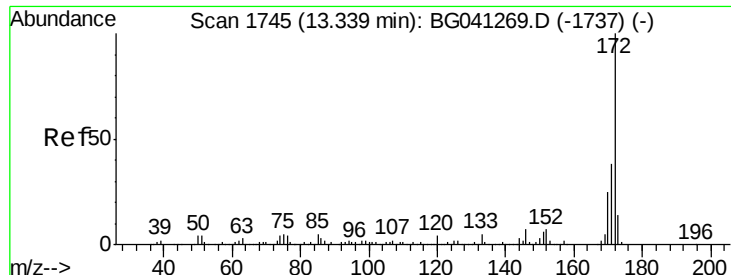
#42
2,4,6-Tribromophenol
Concen: 141.120 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.03 min
Lab File: BG041409.D
Acq: 22 Jun 2019 18:52

Tgt Ion:330 Resp: 120655
Ion Ratio Lower Upper
330 100
332 96.8 75.5 113.3
141 36.0 29.0 43.4



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

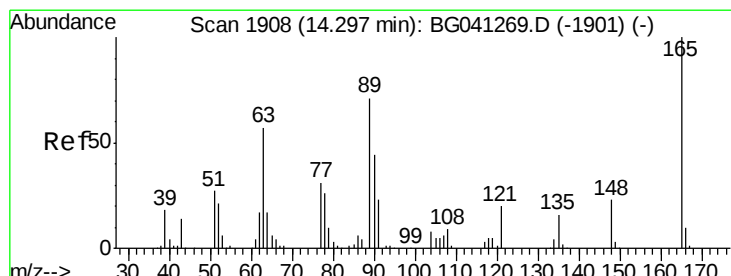
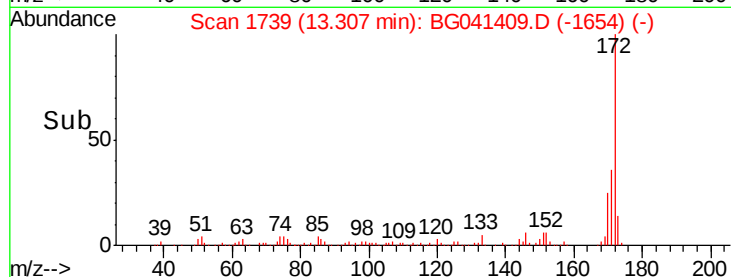
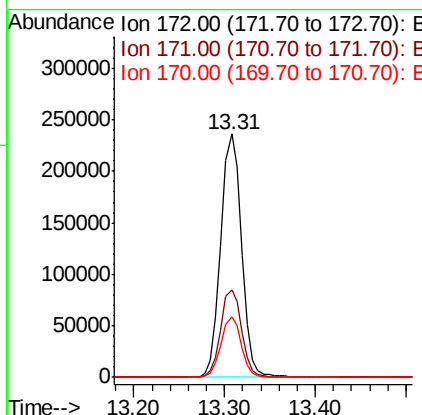
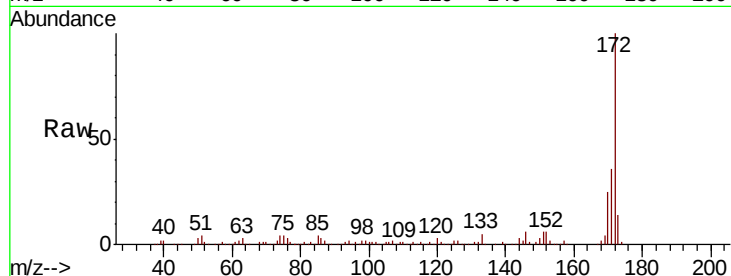




#45
 2-Fluorobiphenyl
 Concen: 91.888 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041409.D
 Acq: 22 Jun 2019 18:52

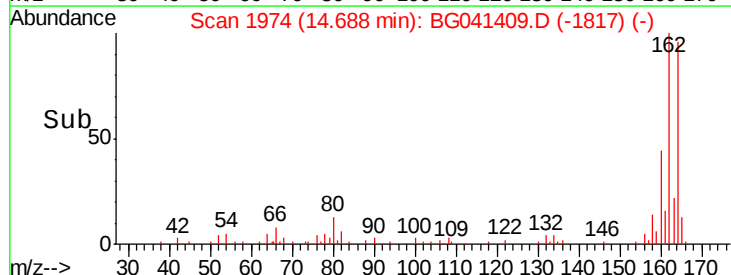
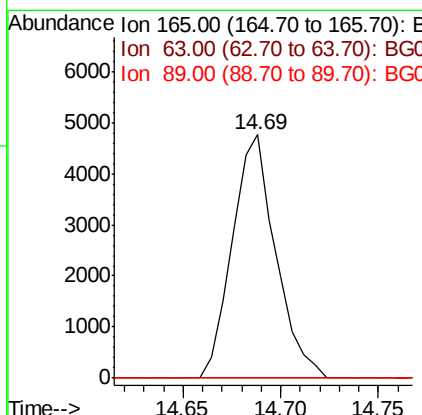
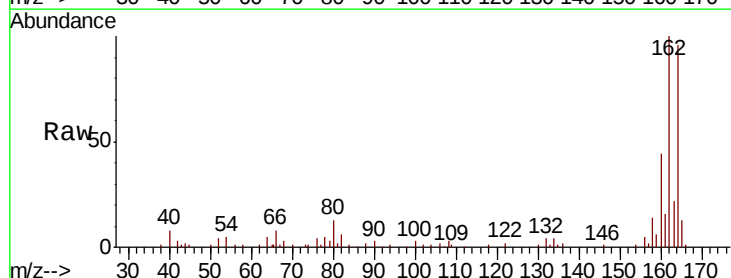
Instrument :
 BNA_G
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 OR-02-061919-B

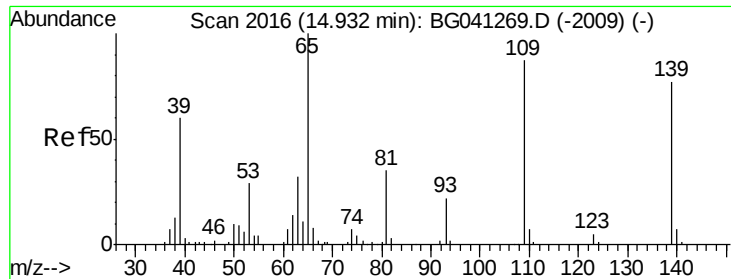
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	24.7	19.8	29.6



#51
 2,6-Dinitrotoluene
 Concen: 7.005 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.39 min
 Lab File: BG041409.D
 Acq: 22 Jun 2019 18:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	0.0	56.5	84.7#





#56

4-Nitrophenol

Concen: 3.282 ng

RT: 15.33 min Scan# 2084

Delta R.T. 0.40 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

Instrument :

BNA_G

ClientSampleId :

OR-02-061919-B

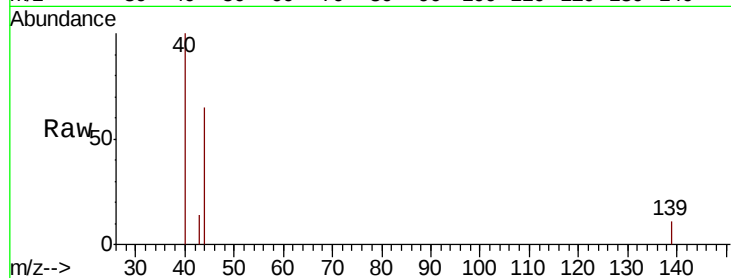
Tot Ion:139 Resp: 54

Ion Ratio Lower Upper

139 100

109 0.0 93.2 133.2#

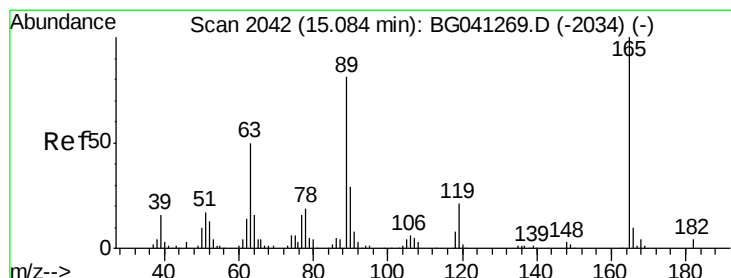
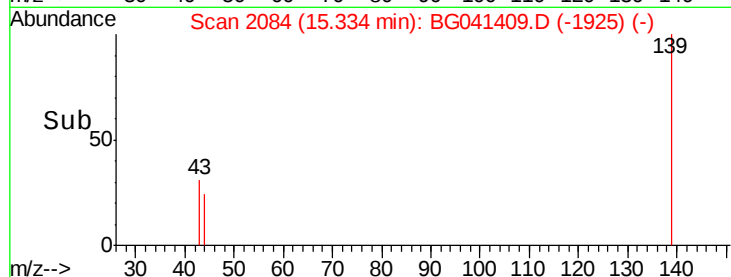
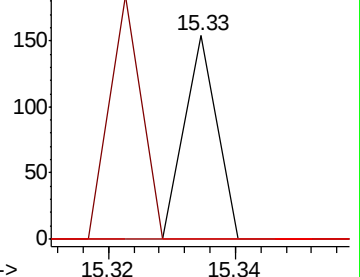
65 0.0 110.2 150.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 4.792 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.40 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

Tgt Ion:165 Resp: 7319

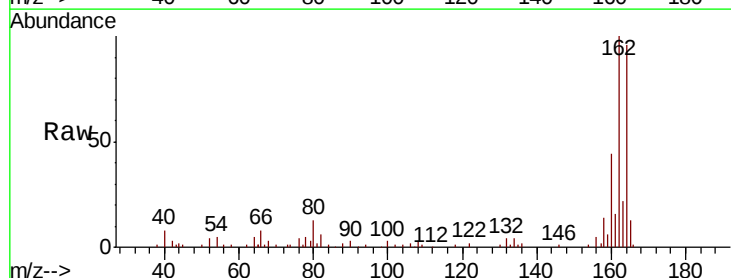
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 0.0 64.6 96.8#

182 0.0 2.9 4.3#

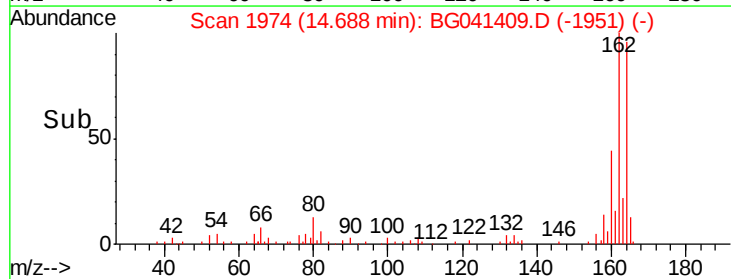
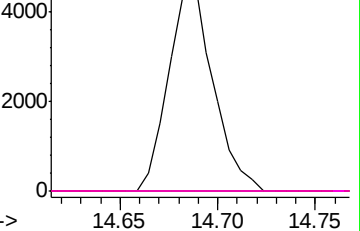


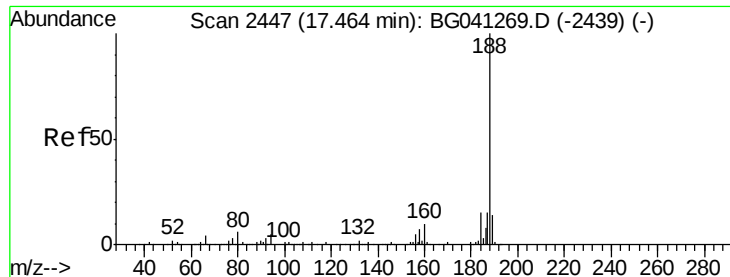
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

Instrument :

BNA_G

ClientSampleId :

OR-02-061919-B

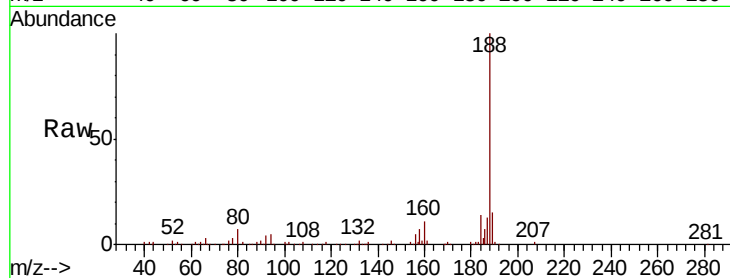
Tot Ion:188 Resp: 159126

Ion Ratio Lower Upper

188 100

94 5.4 3.6 5.4

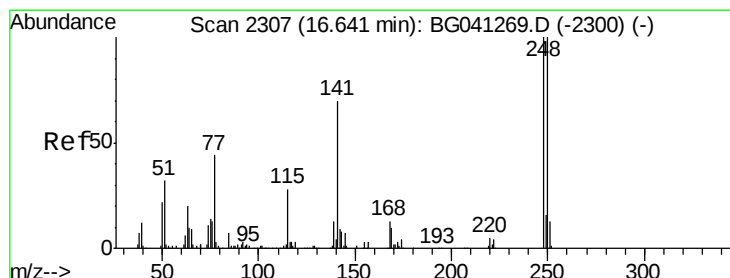
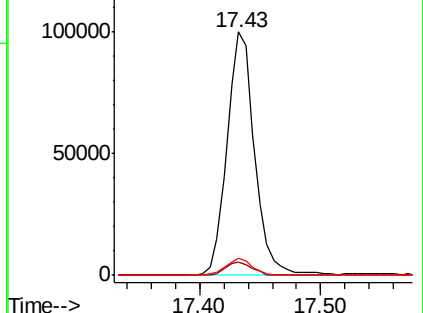
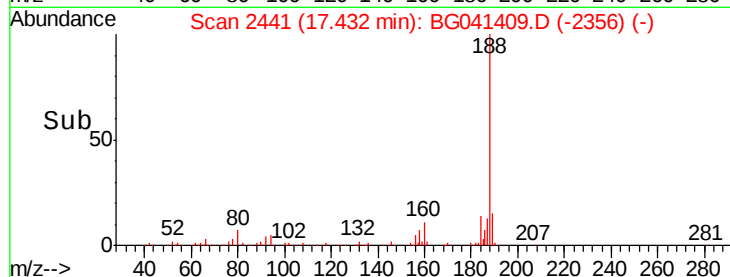
80 6.9 4.8 7.2



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: 3.873 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

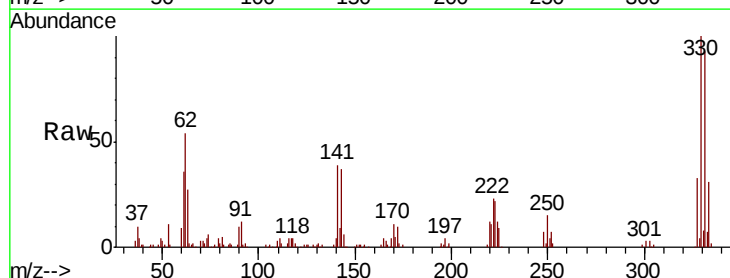
Tgt Ion:248 Resp: 7968

Ion Ratio Lower Upper

248 100

250 208.5 79.8 119.8#

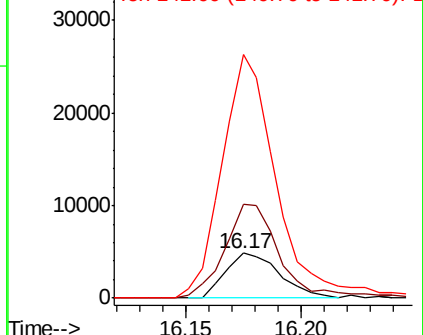
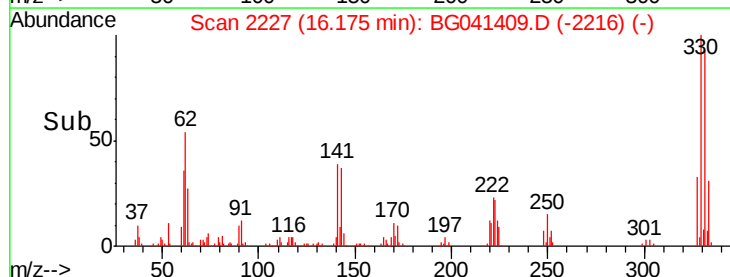
141 540.7 55.8 83.6#

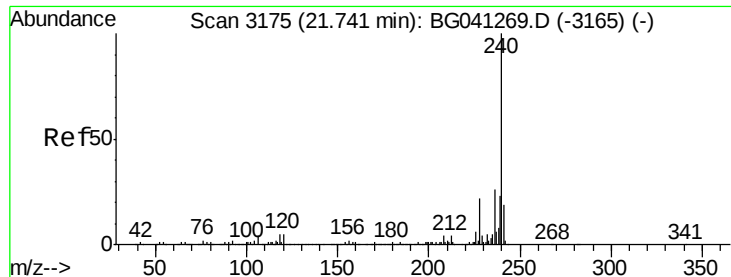


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

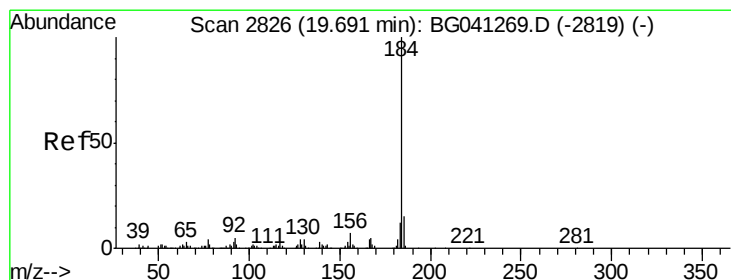
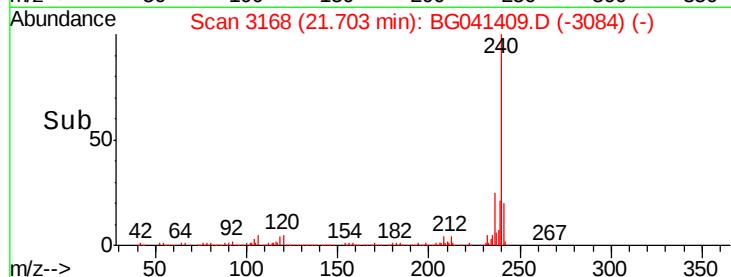
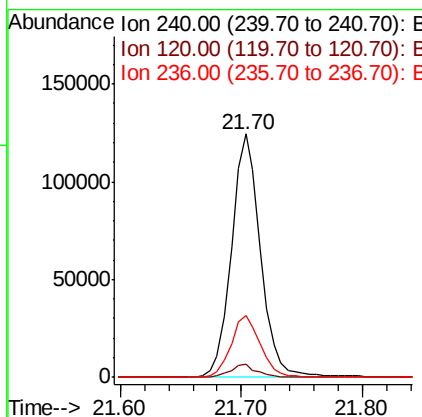
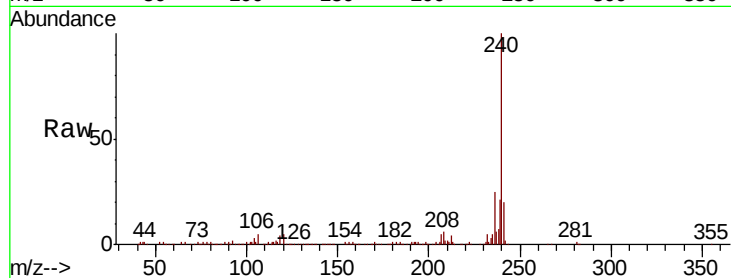




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.04 min
 Lab File: BG041409.D
 Acq: 22 Jun 2019 18:52

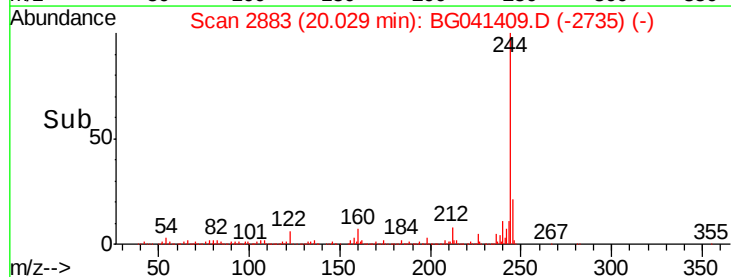
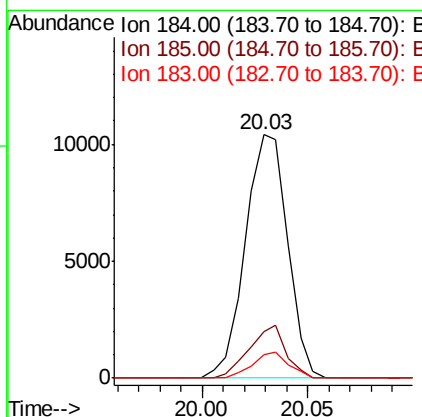
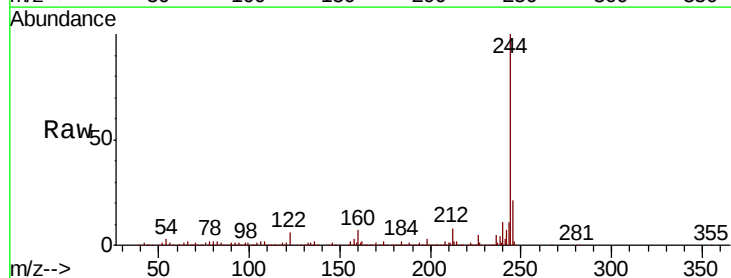
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-061919-B

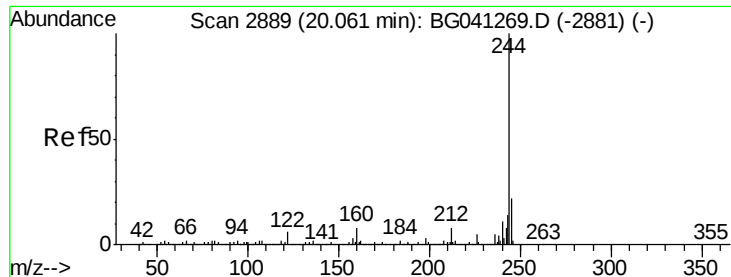
Tot Ion:240 Resp: 207479
 Ion Ratio Lower Upper
 240 100
 120 5.2 3.7 5.5
 236 25.2 21.1 31.7



#77
 Benzidine
 Concen: 2.878 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. 0.34 min
 Lab File: BG041409.D
 Acq: 22 Jun 2019 18:52

Tgt Ion:184 Resp: 14444
 Ion Ratio Lower Upper
 184 100
 185 19.0 12.2 18.2#
 183 9.4 9.6 14.4#





#79

Terphenyl-d14

Concen: 86.572 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

Instrument :

BNA_G

ClientSampleId :

OR-02-061919-B

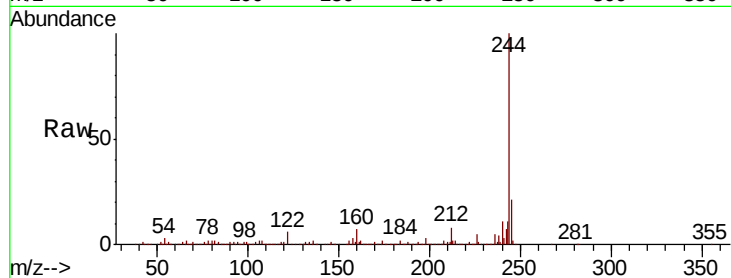
Tot Ion:244 Resp: 906340

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

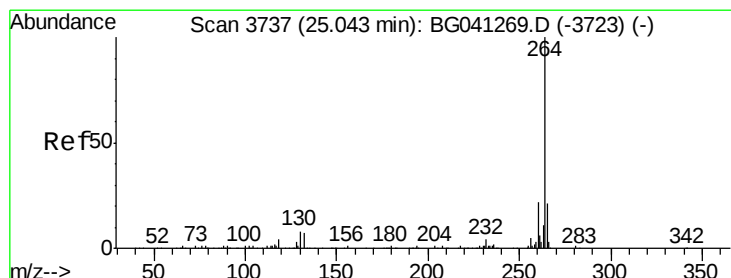
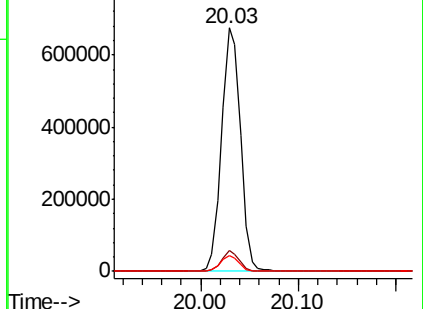
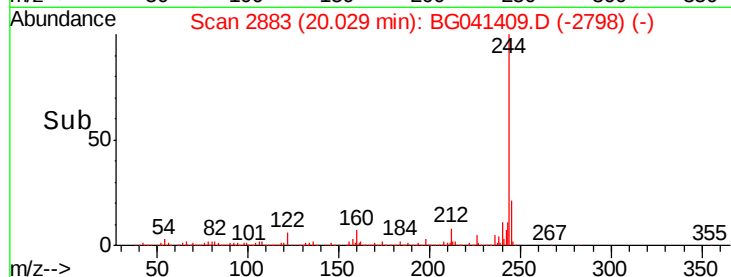
122 6.5 5.0 7.4



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: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG041409.D

Acq: 22 Jun 2019 18:52

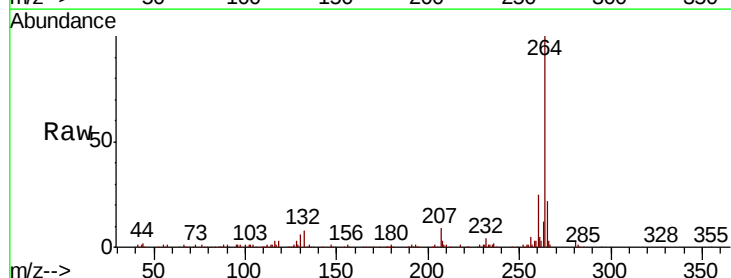
Tgt Ion:264 Resp: 221496

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.2

265 21.9 17.2 25.8



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

