

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062919\
 Data File : BG041541.D
 Acq On : 29 Jun 2019 11:43
 Operator : HP/JU
 Sample : K3570-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ERM-19

Quant Time: Jun 30 00:55:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

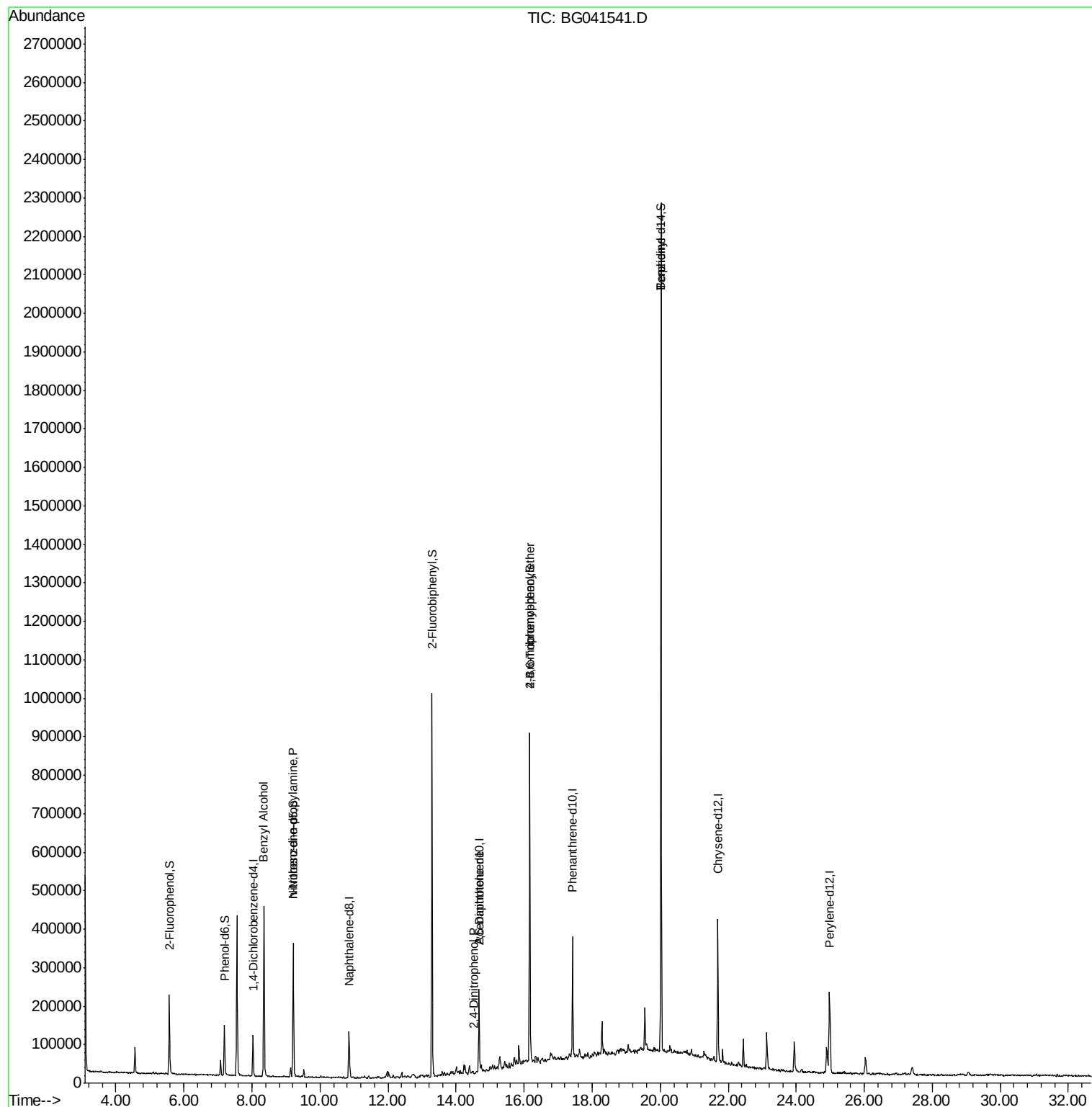
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	29061	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	102261	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	70452	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	188446	20.00	ng	0.00
76) Chrysene-d12	21.70	240	229017	20.00	ng	0.00
87) Perylene-d12	24.98	264	248916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	87295	53.55	ng	0.00
7) Phenol-d6	7.19	99	73081	31.85	ng	0.00
23) Nitrobenzene-d5	9.21	82	215460	87.88	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	165670	137.72	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	492639	89.73	ng	0.00
79) Terphenyl-d14	20.03	244	1024614	95.08	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3736	2.044	ng	# 42
19) n-Nitroso-di-n-propylamine	9.21	70	30735	17.957	ng	# 72
51) 2,6-Dinitrotoluene	14.67	165	9319	6.849	ng	# 22
54) 2,4-Dinitrophenol	14.52	184	54	8.008	ng	# 15
67) 4-Bromophenyl-phenylether	16.17	248	10955	4.254	ng	# 1
77) Benzidine	20.03	184	18577	3.656	ng	96

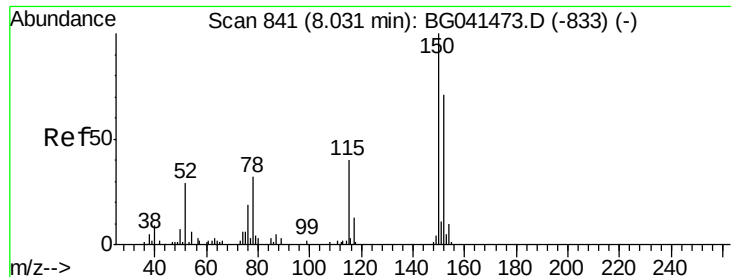
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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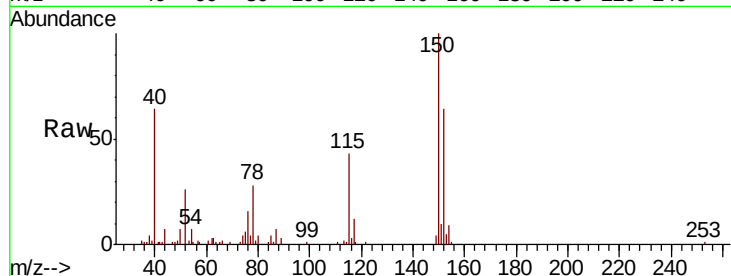


#1

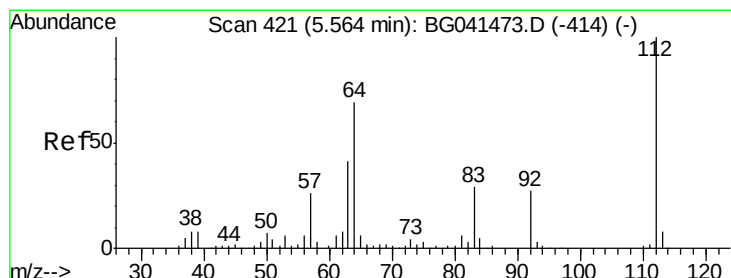
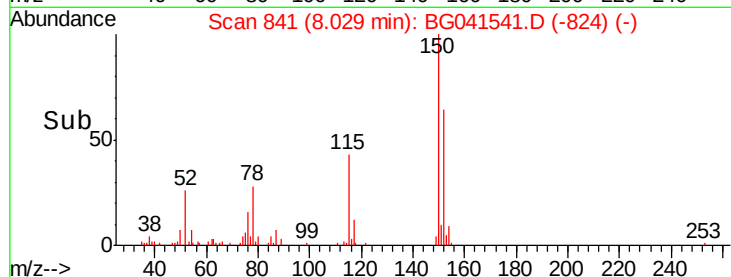
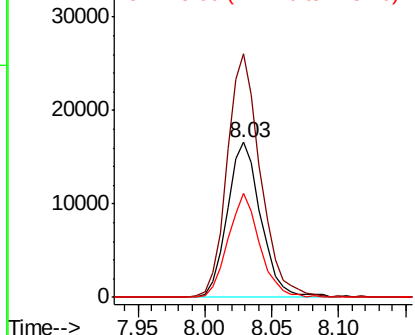
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

Instrument :
BNA_G
ClientSampleId :
ERM-19

Tgt Ion:152 Resp: 29061
Ion Ratio Lower Upper
152 100
150 157.0 112.4 168.6
115 67.4 44.6 66.8#



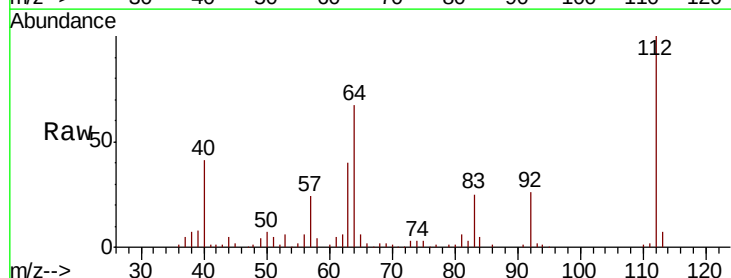
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



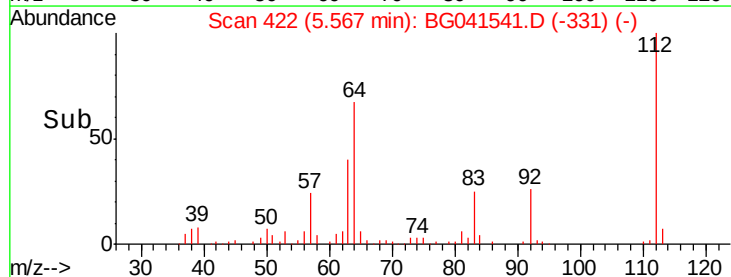
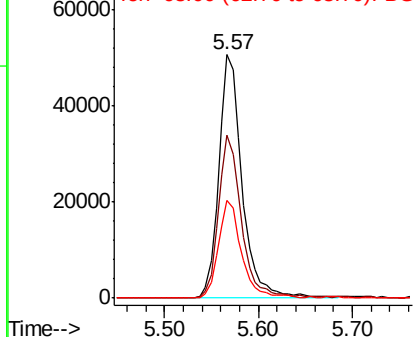
#5

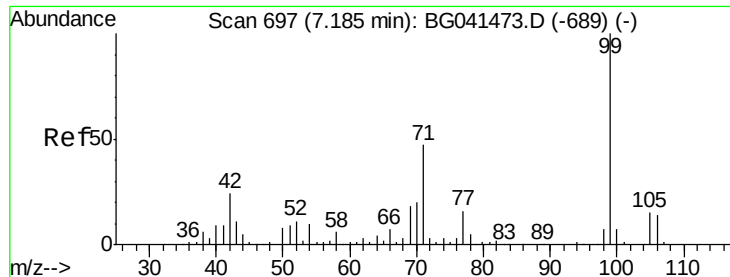
2-Fluorophenol
Concen: 53.554 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

Tgt Ion:112 Resp: 87295
Ion Ratio Lower Upper
112 100
64 67.0 55.1 82.7
63 39.9 32.4 48.6



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: 31.848 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

Instrument :

BNA_G

ClientSampleId :

ERM-19

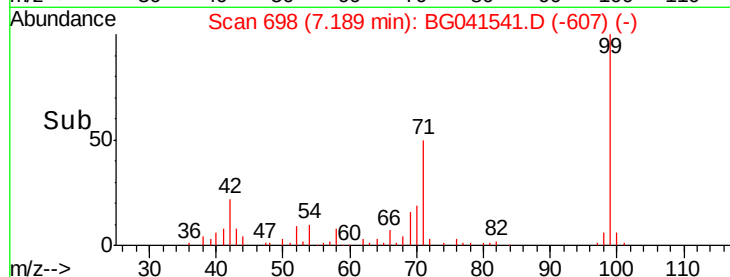
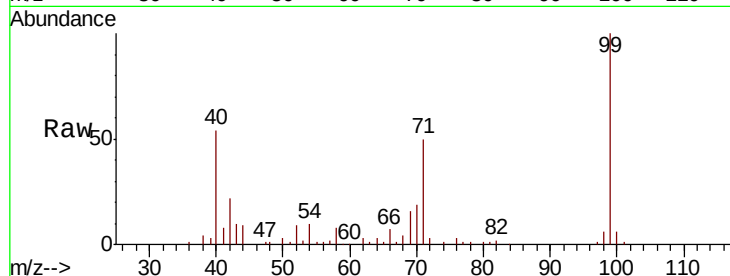
Tgt Ion: 99 Resp: 73081

Ion Ratio Lower Upper

99 100

42 21.7 19.0 28.6

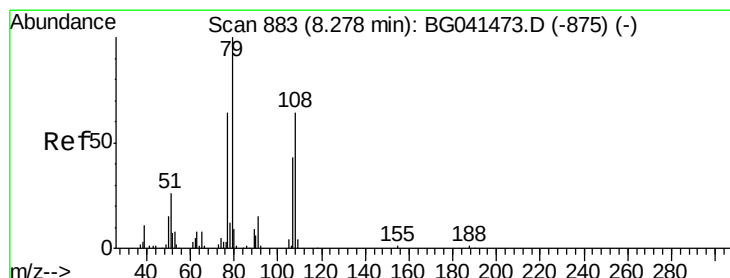
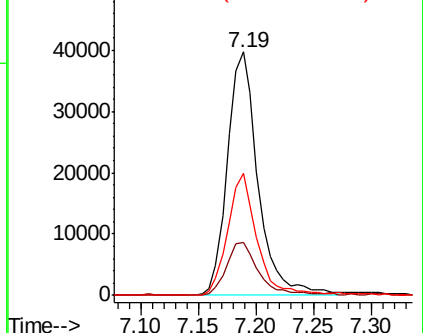
71 50.3 37.4 56.2



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



#15

Benzyl Alcohol

Concen: 2.044 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

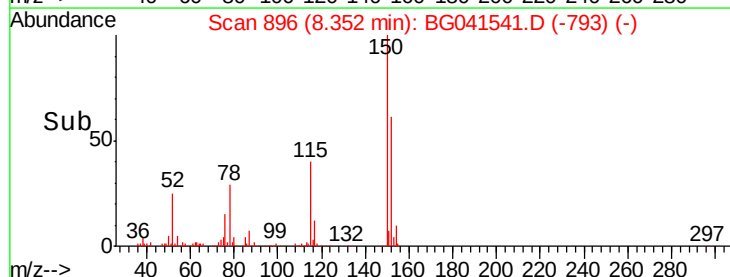
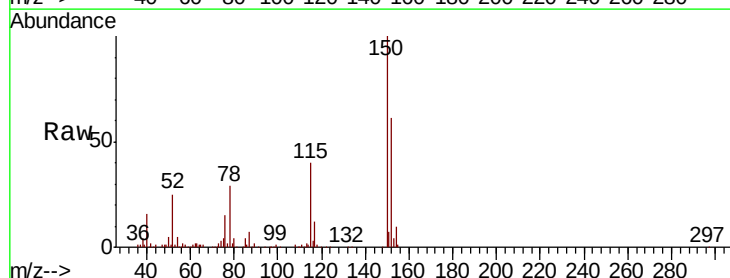
Tgt Ion: 79 Resp: 3736

Ion Ratio Lower Upper

79 100

108 29.1 51.4 77.0#

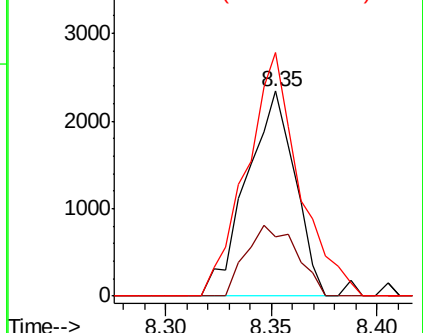
77 119.0 50.8 76.2#

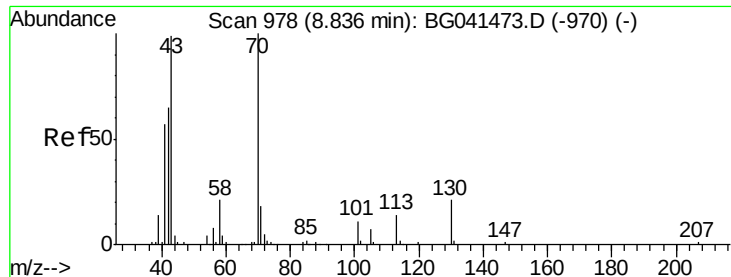


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.957 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

Instrument :

BNA_G

ClientSampleId :

ERM-19

Tgt Ion: 70 Resp: 30735

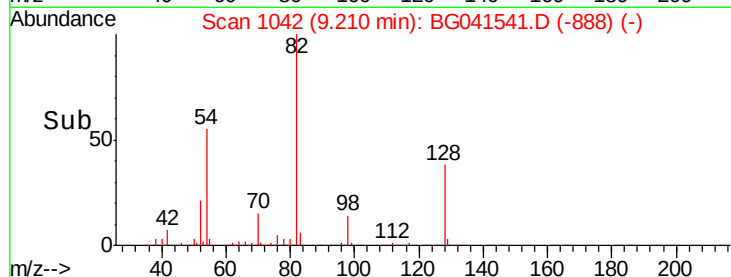
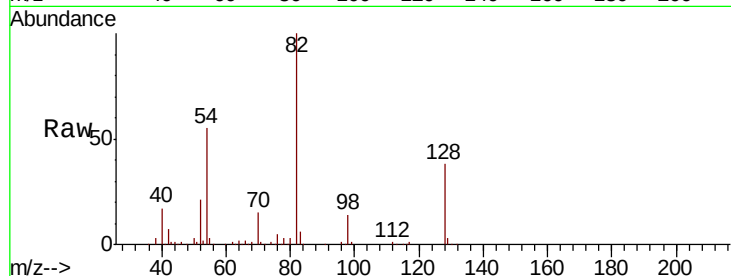
Ion Ratio Lower Upper

70 100

42 46.4 52.6 78.8#

101 0.0 8.6 13.0#

130 2.4 16.6 25.0#

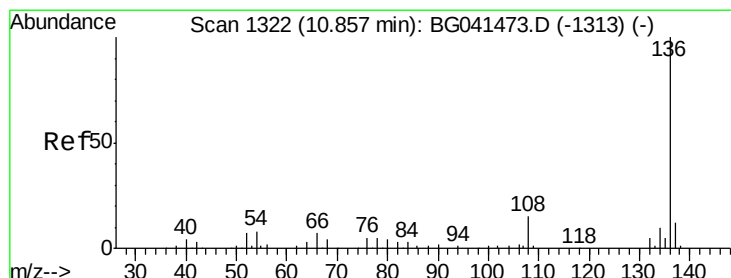
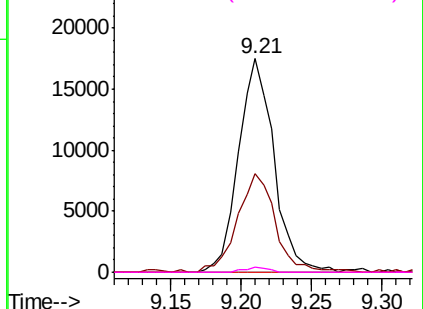


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

Tgt Ion: 136 Resp: 102261

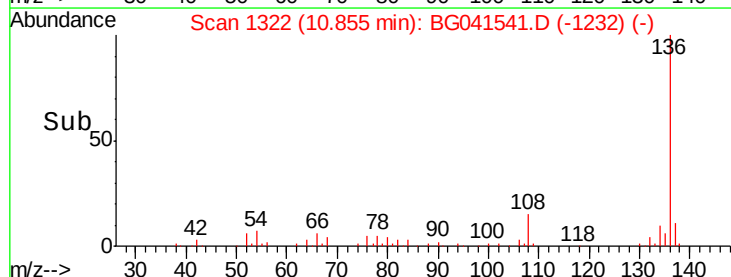
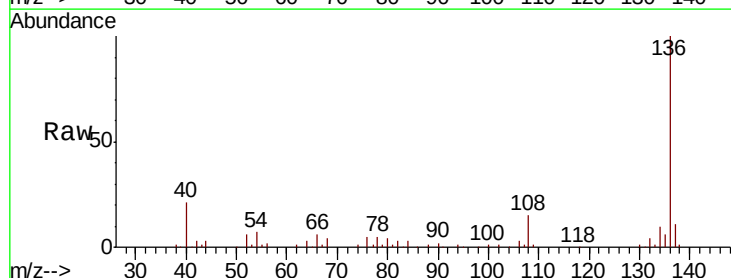
Ion Ratio Lower Upper

136 100

137 10.6 9.3 13.9

54 6.5 7.1 10.7#

68 3.7 3.3 4.9

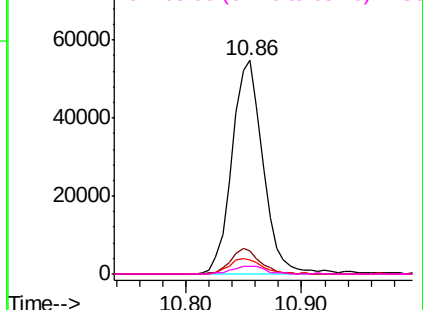


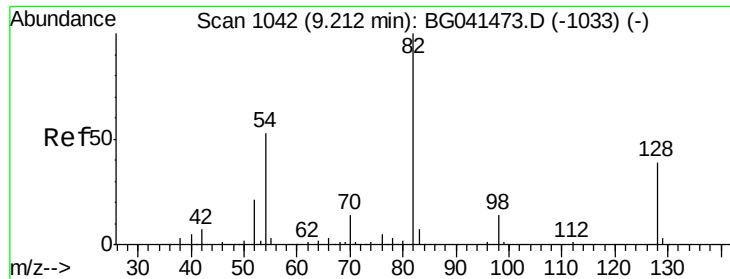
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

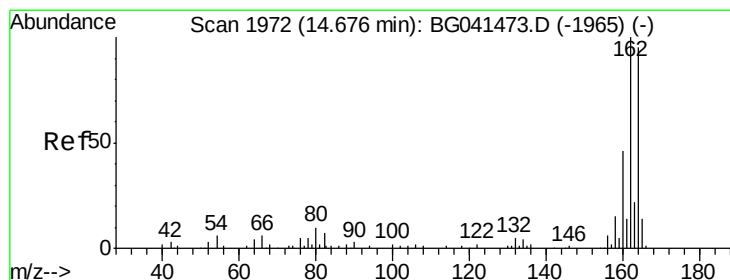
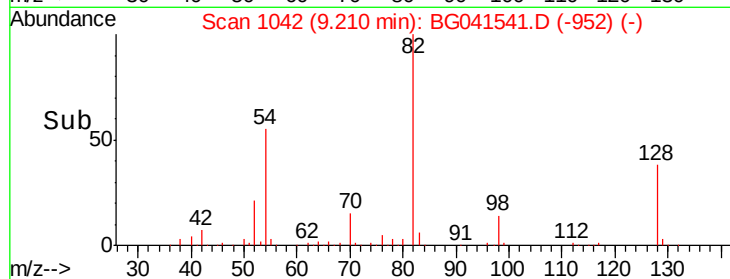
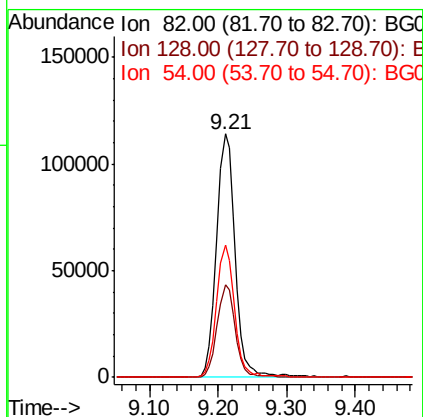
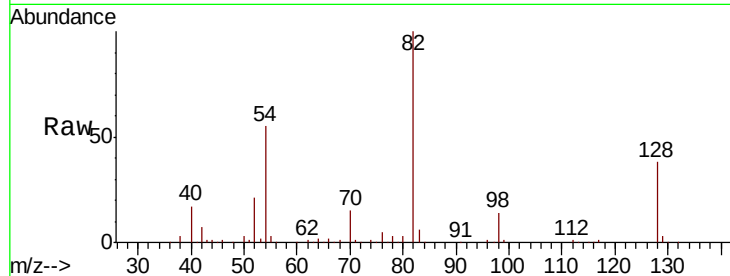




#23
Nitrobenzene-d5
Concen: 87.875 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

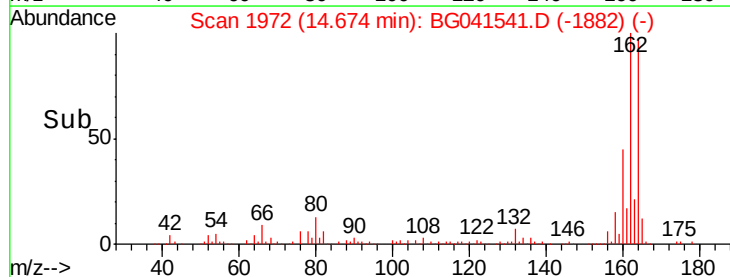
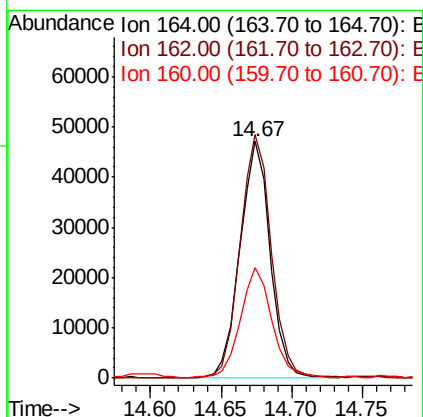
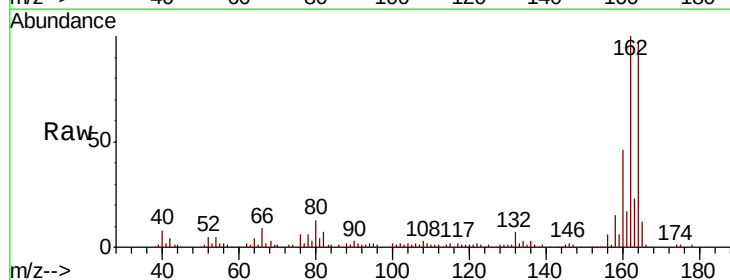
Instrument :
BNA_G
ClientSampleId :
ERM-19

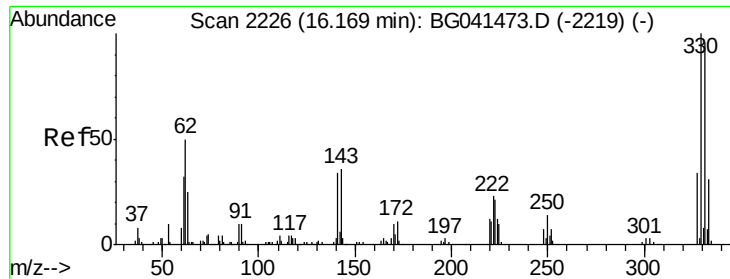
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.9	46.3
54	54.6	42.2	63.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	84.4	126.6
160	46.8	38.8	58.2





#42

2,4,6-Tribromophenol

Concen: 137.723 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

Instrument :

BNA_G

ClientSampled :

ERM-19

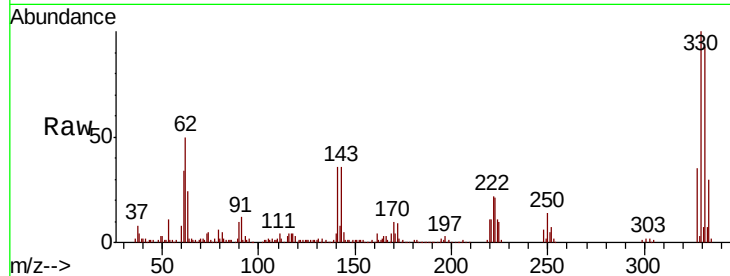
Tgt Ion:330 Resp: 165670

Ion Ratio Lower Upper

330 100

332 93.3 75.5 113.3

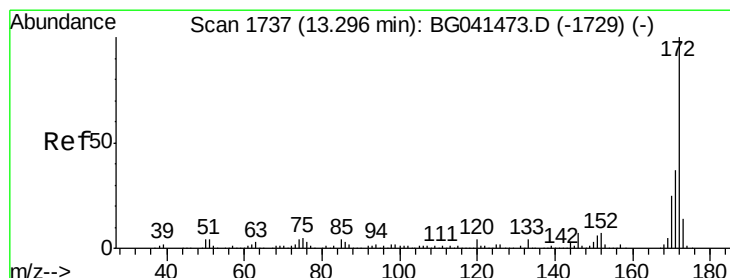
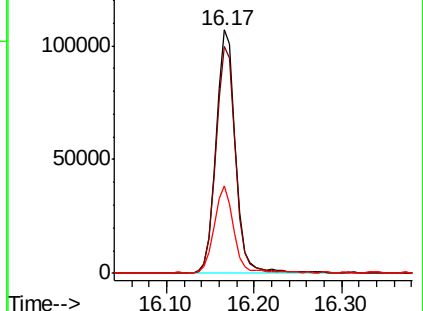
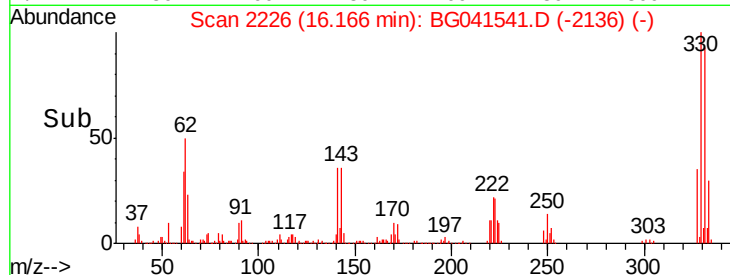
141 35.6 27.8 41.6



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: 89.732 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.00 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

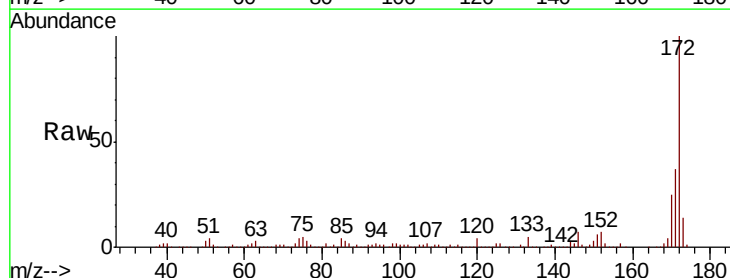
Tgt Ion:172 Resp: 492639

Ion Ratio Lower Upper

172 100

171 37.0 29.6 44.4

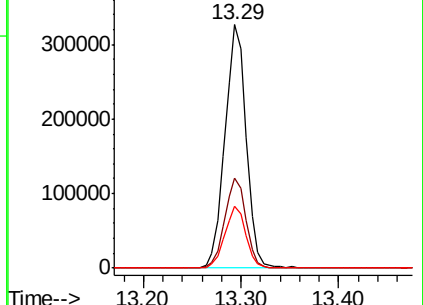
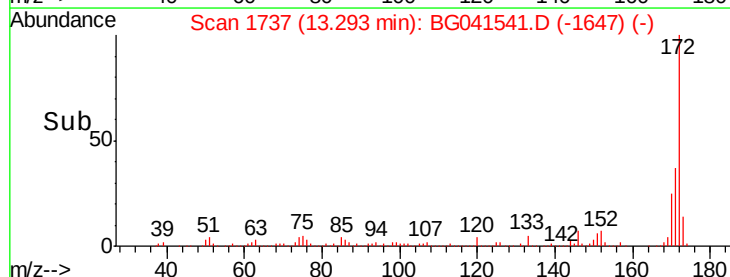
170 25.4 20.0 30.0

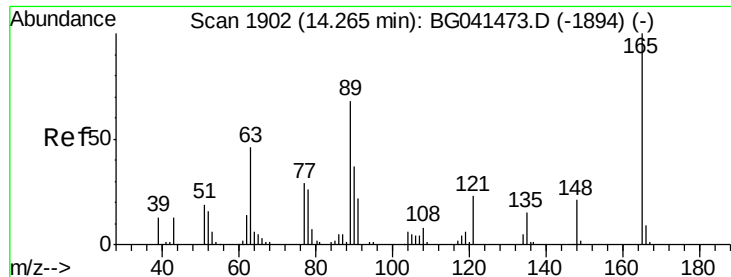


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 6.849 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.41 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

Instrument :

BNA_G

ClientSampleId :

ERM-19

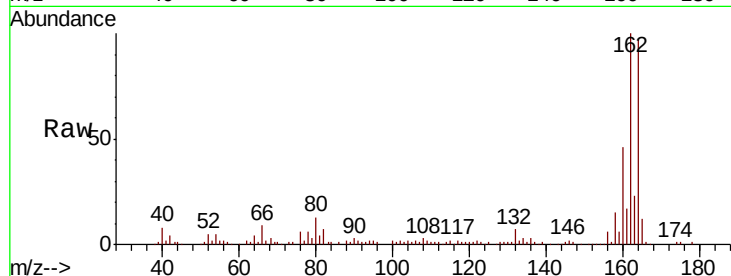
Tgt Ion:165 Resp: 9319

Ion Ratio Lower Upper

165 100

63 5.5 56.4 84.6#

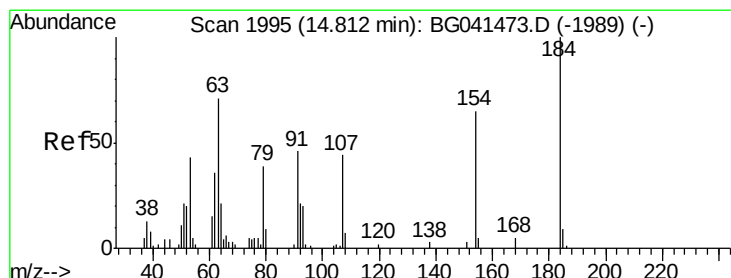
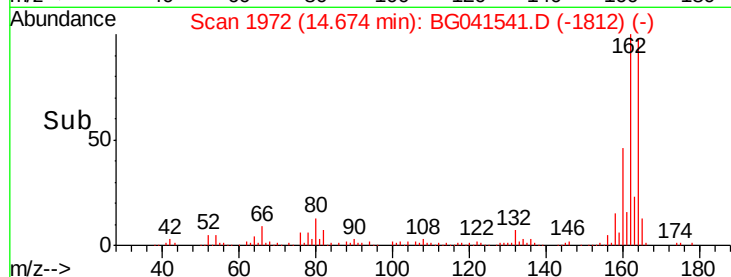
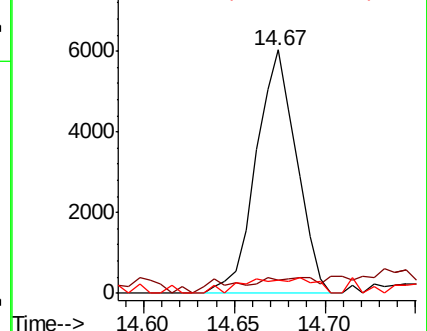
89 5.3 54.6 81.8#



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: 8.008 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.29 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

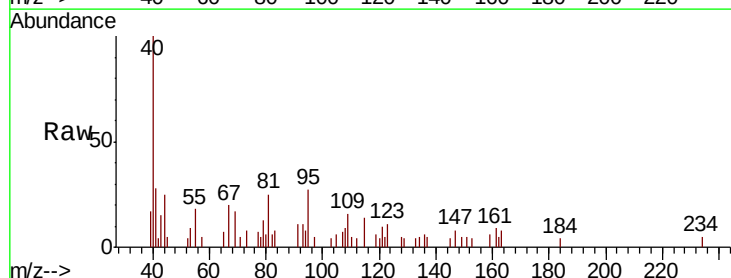
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 56.5 84.7#

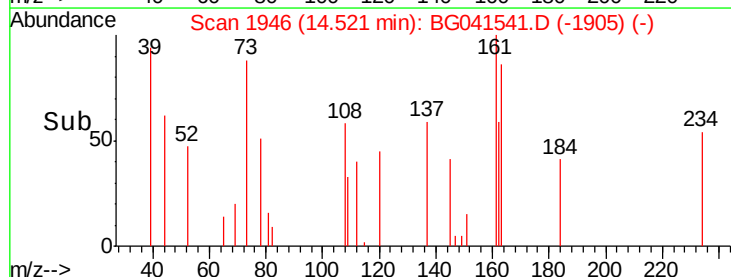
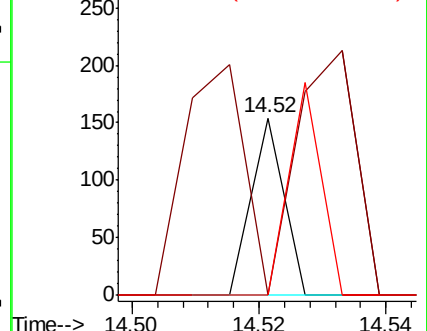
154 0.0 54.2 81.4#

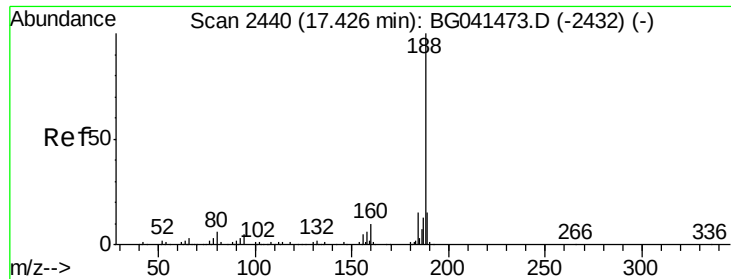


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

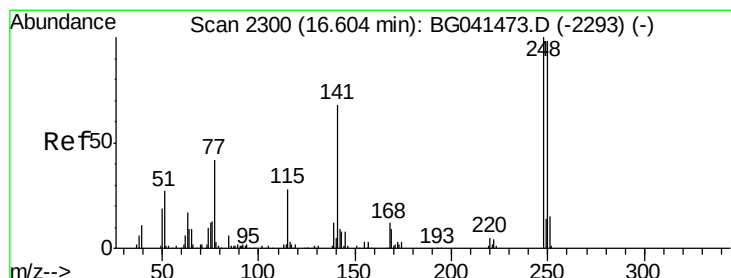
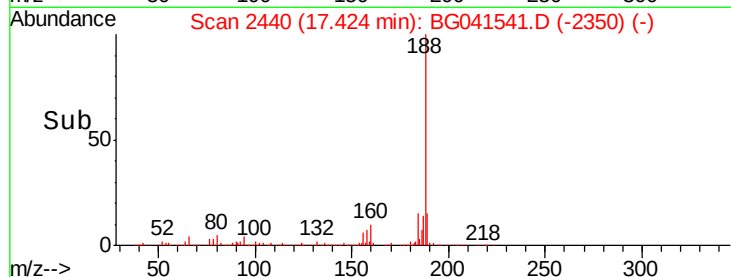
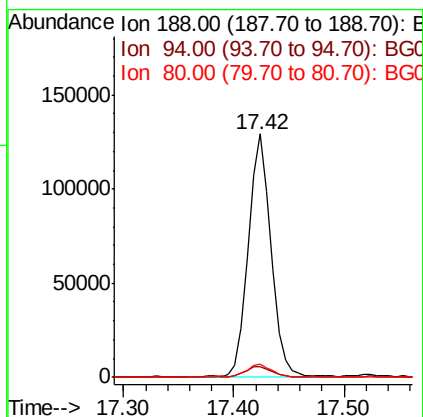
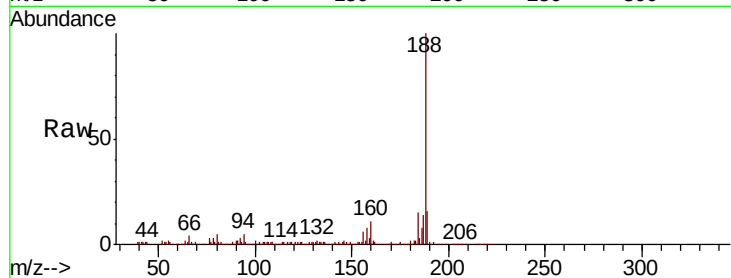




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

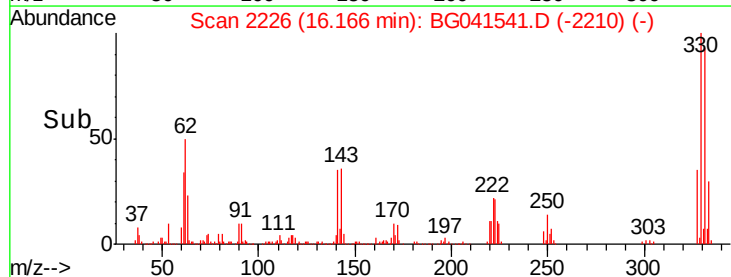
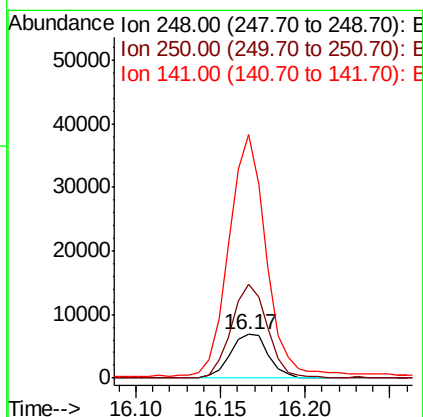
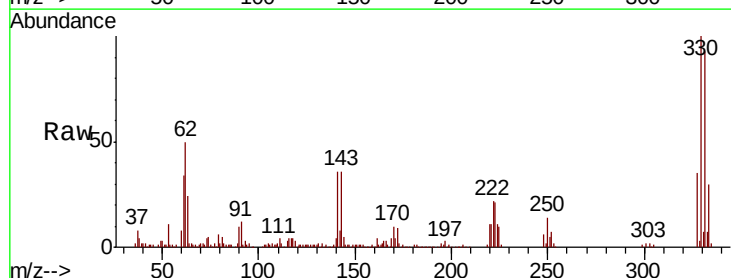
Instrument :
BNA_G
ClientSampleId :
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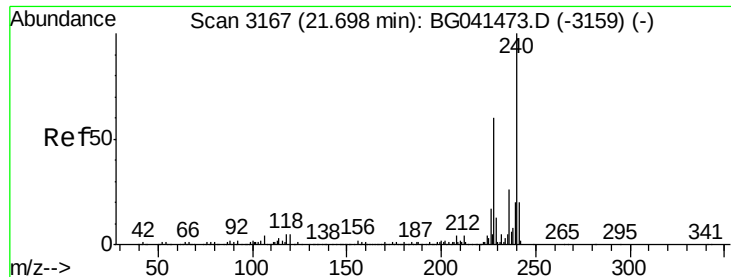
Tgt Ion:188 Resp: 188446
Ion Ratio Lower Upper
188 100
94 4.6 3.8 5.8
80 5.4 4.8 7.2



#67
4-Bromophenyl-phenylether
Concen: 4.254 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.44 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

Tgt Ion:248 Resp: 10955
Ion Ratio Lower Upper
248 100
250 216.4 78.1 117.1#
141 557.7 54.1 81.1#

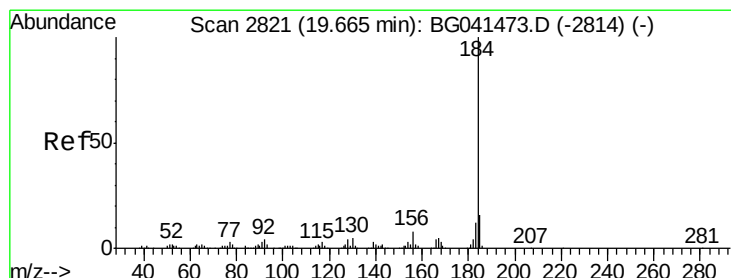
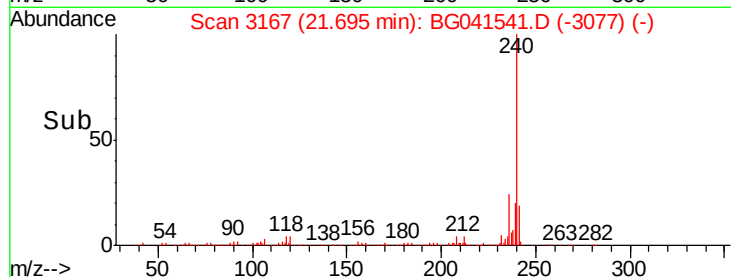
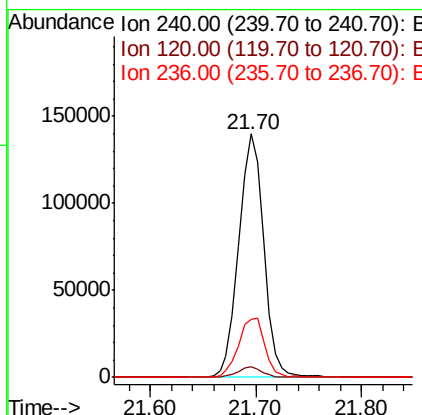
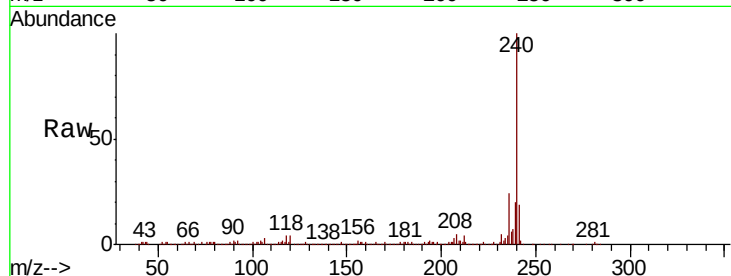




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

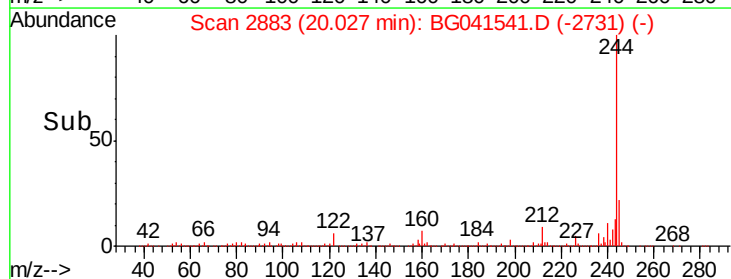
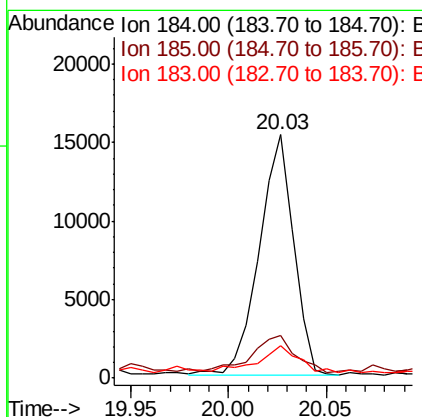
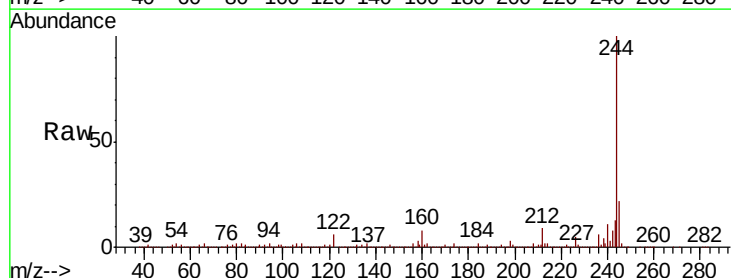
Instrument :
BNA_G
ClientSampleId :
ERM-19

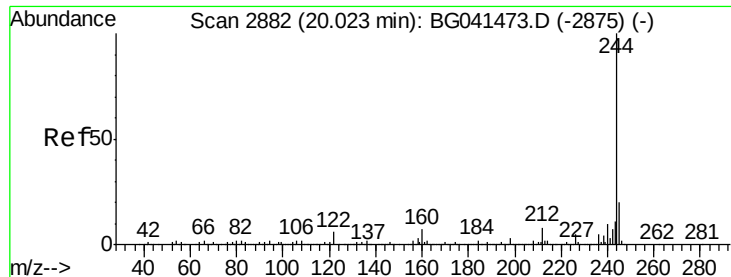
Tgt Ion:240 Resp: 229017
Ion Ratio Lower Upper
240 100
120 4.4 3.7 5.5
236 23.7 20.8 31.2



#77
Benzidine
Concen: 3.656 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.36 min
Lab File: BG041541.D
Acq: 29 Jun 2019 11:43

Tgt Ion:184 Resp: 18577
Ion Ratio Lower Upper
184 100
185 17.8 12.7 19.1
183 13.2 9.4 14.2





#79

Terphenyl-d14

Concen: 95.075 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

Instrument :

BNA_G

ClientSampleId :

ERM-19

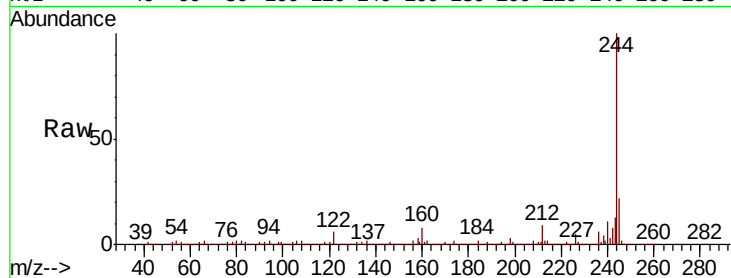
Tgt Ion:244 Resp: 1024614

Ion Ratio Lower Upper

244 100

212 8.6 6.2 9.4

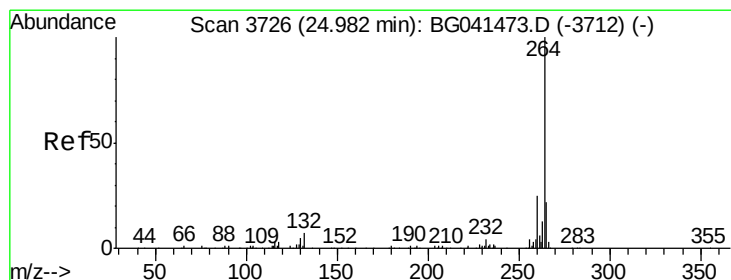
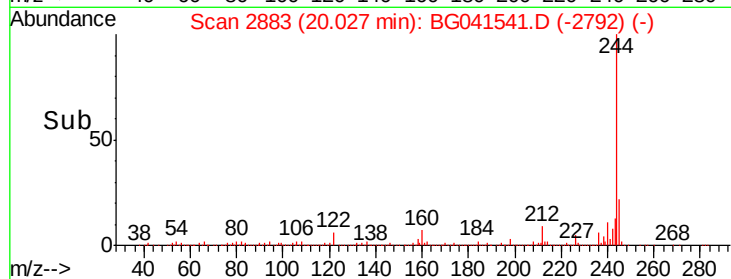
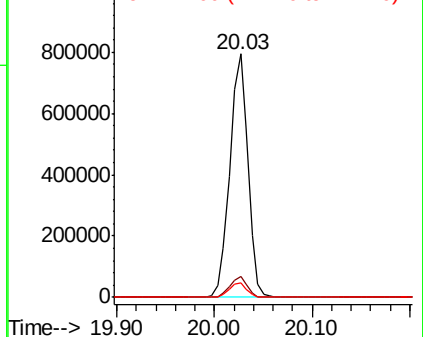
122 5.9 4.8 7.2



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: 24.98 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BG041541.D

Acq: 29 Jun 2019 11:43

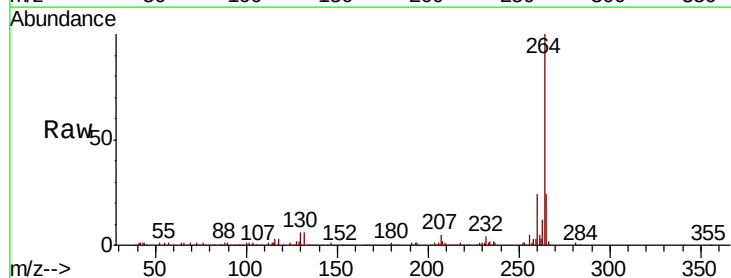
Tgt Ion:264 Resp: 248916

Ion Ratio Lower Upper

264 100

260 24.1 19.7 29.5

265 23.7 17.4 26.2



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

