

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062919\
 Data File : BG041544.D
 Acq On : 29 Jun 2019 13:37
 Operator : HP/JU
 Sample : K3554-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-15

Quant Time: Jun 30 00:55:47 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

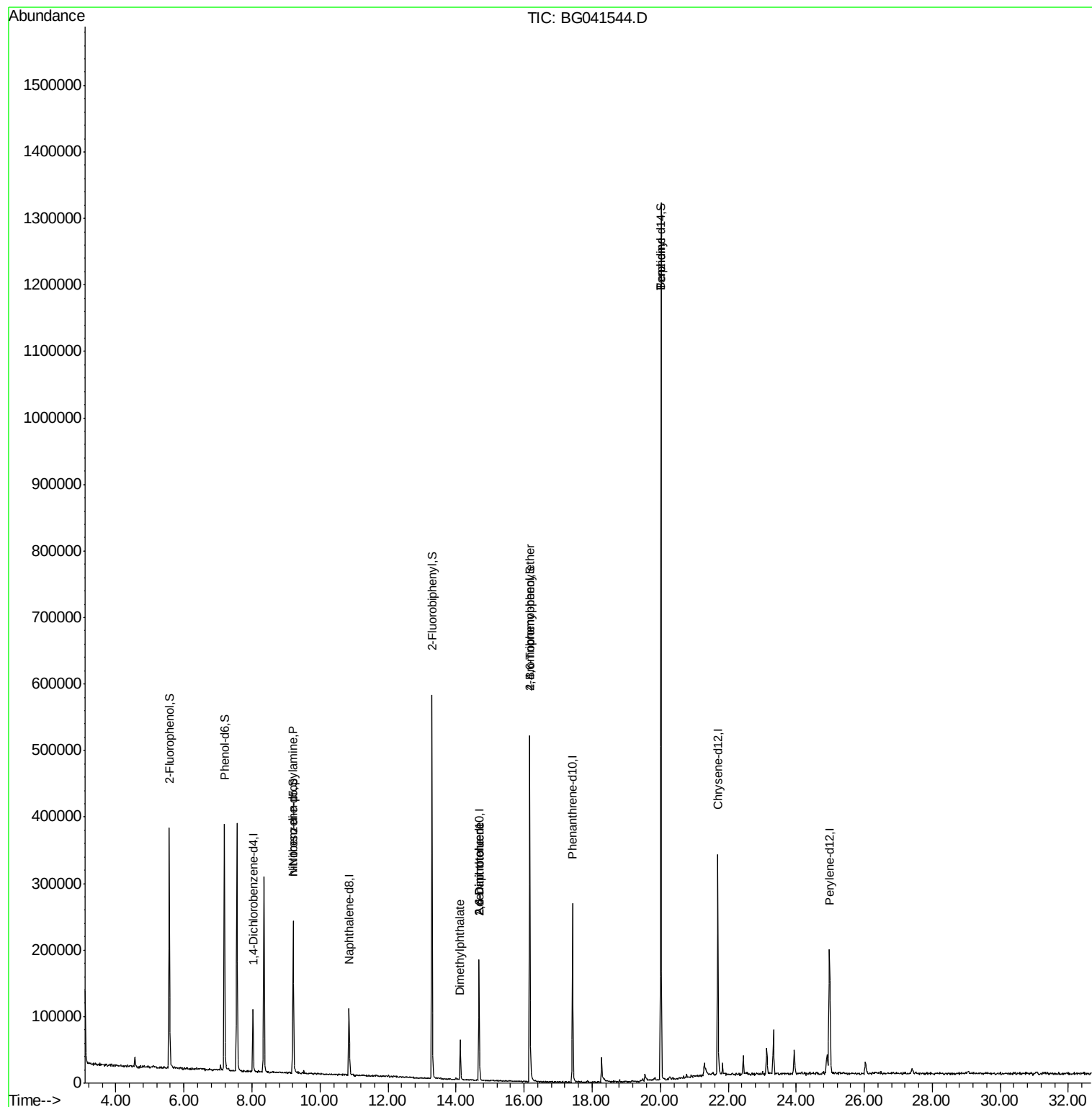
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	26011	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	87101	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	61394	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	174495	20.00	ng	0.00
76) Chrysene-d12	21.70	240	209431	20.00	ng	0.00
87) Perylene-d12	24.98	264	226031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	145618	99.81	ng	0.00
7) Phenol-d6	7.19	99	205378	100.00	ng	0.00
23) Nitrobenzene-d5	9.21	82	142041	68.01	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	111869	106.72	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	304056	63.55	ng	0.00
79) Terphenyl-d14	20.02	244	663858	67.36	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	20550	13.414	ng	Qvalue 75
50) Dimethylphthalate	14.12	163	44876	8.032	ng	99
51) 2,6-Dinitrotoluene	14.67	165	8455	7.131	ng	# 15
57) 2,4-Dinitrotoluene	14.67	165	8455	4.916	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	7749	3.250	ng	# 1
77) Benzidine	20.02	184	10825	2.330	ng	# 93

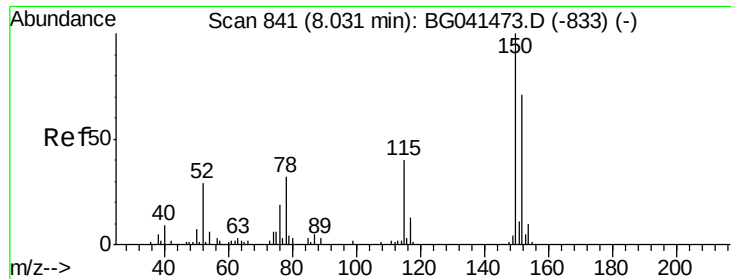
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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SAMPLE-15

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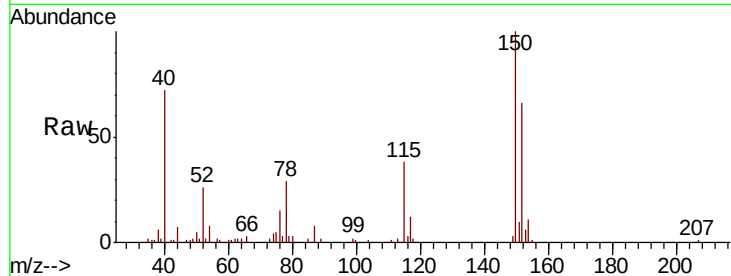


#1

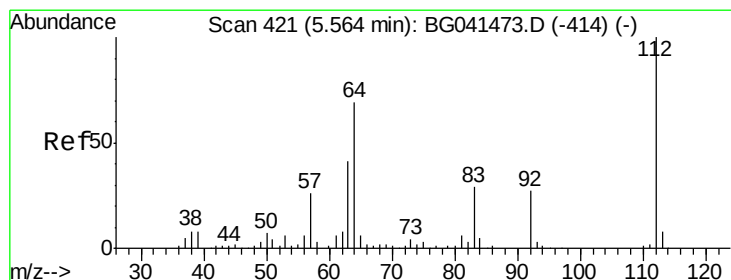
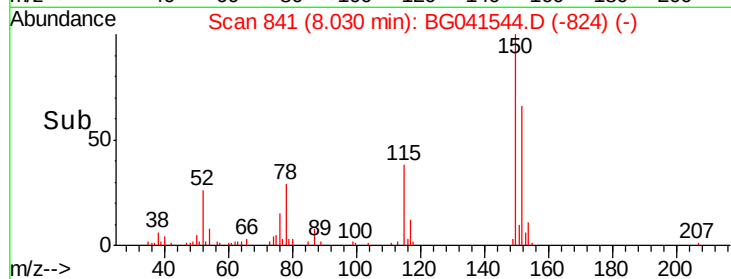
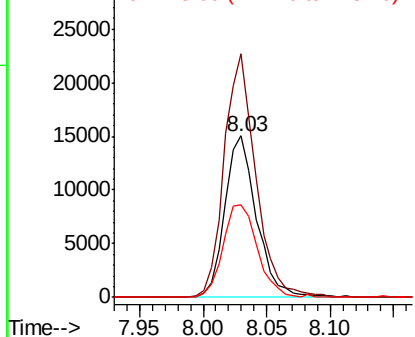
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041544.D
Acq: 29 Jun 2019 13:37

Instrument :
BNA_G
ClientSampleId :
SAMPLE-15

Tgt Ion:152 Resp: 26011
Ion Ratio Lower Upper
152 100
150 150.6 112.4 168.6
115 57.1 44.6 66.8



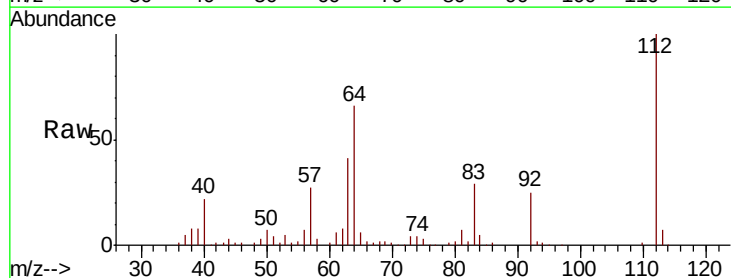
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



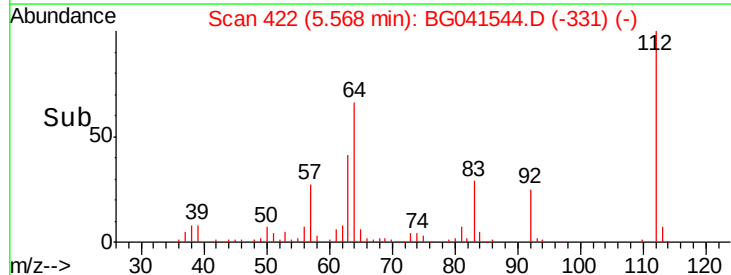
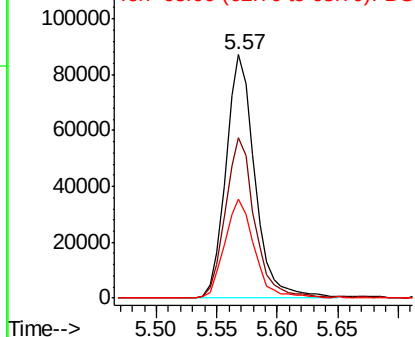
#5

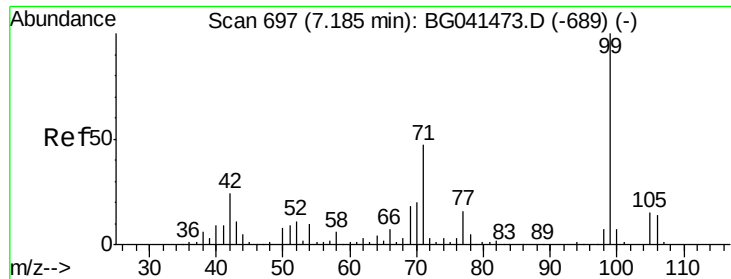
2-Fluorophenol
Concen: 99.810 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041544.D
Acq: 29 Jun 2019 13:37

Tgt Ion:112 Resp: 145618
Ion Ratio Lower Upper
112 100
64 66.0 55.1 82.7
63 40.6 32.4 48.6



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: 99.998 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041544.D

Acq: 29 Jun 2019 13:37

Instrument :

BNA_G

ClientSampleId :

SAMPLE-15

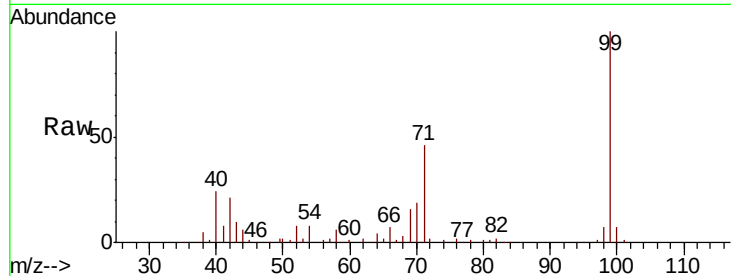
Tgt Ion: 99 Resp: 205378

Ion Ratio Lower Upper

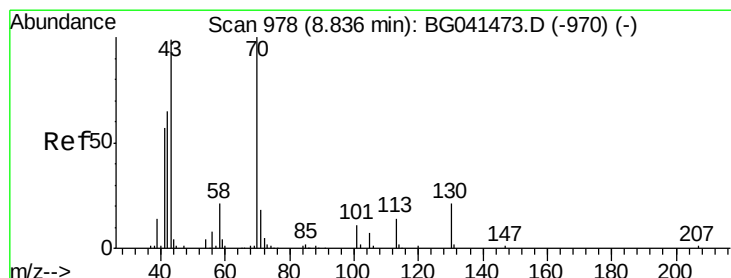
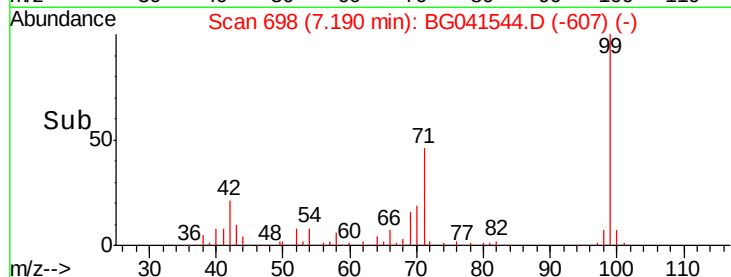
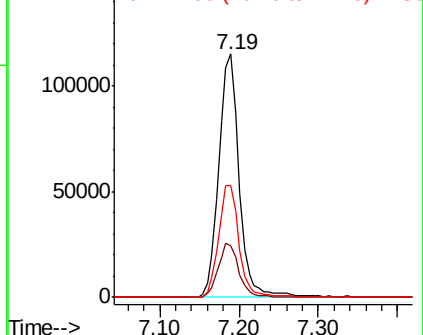
99 100

42 21.4 19.0 28.6

71 46.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.414 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041544.D

Acq: 29 Jun 2019 13:37

Tgt Ion: 70 Resp: 20550

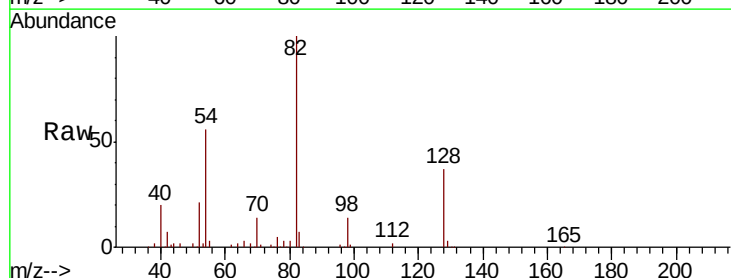
Ion Ratio Lower Upper

70 100

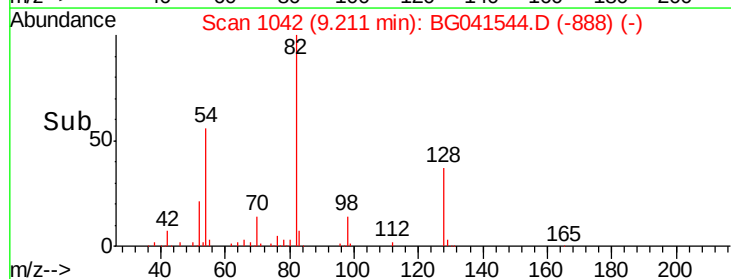
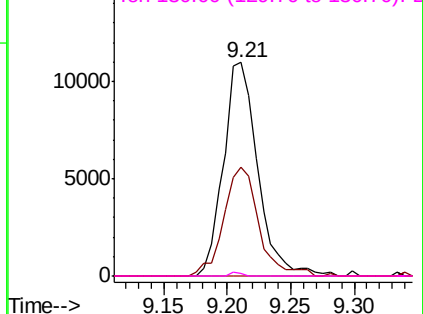
42 50.9 52.6 78.8#

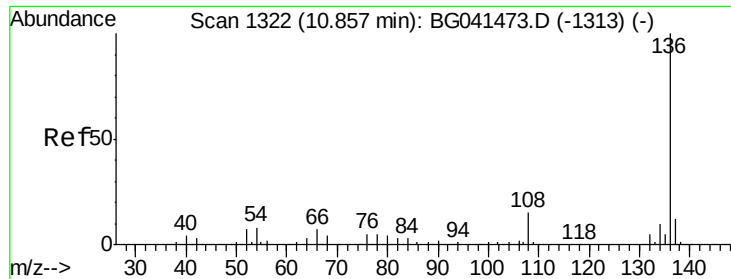
101 0.0 8.6 13.0#

130 1.5 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

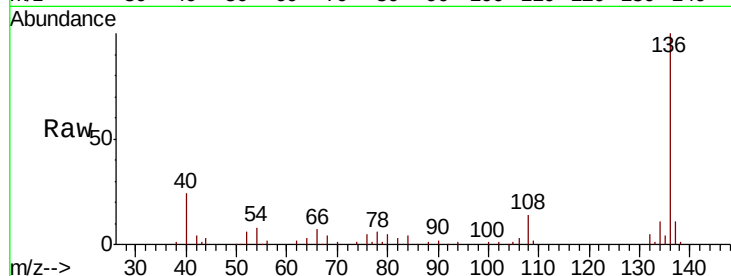




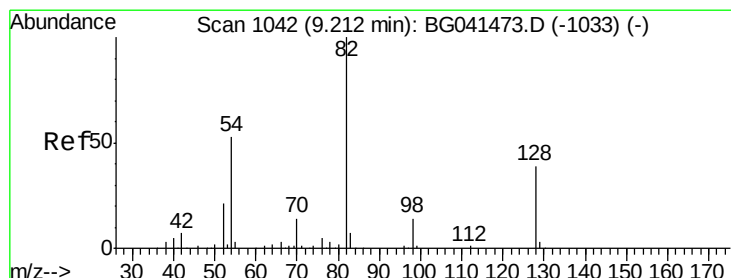
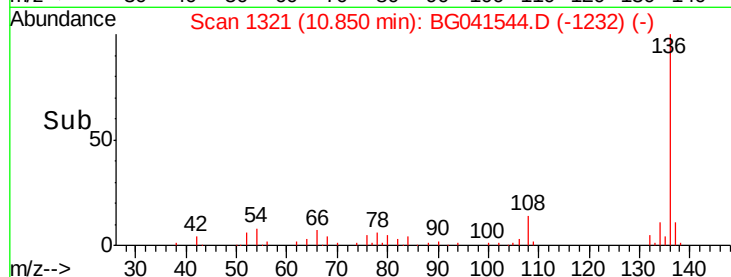
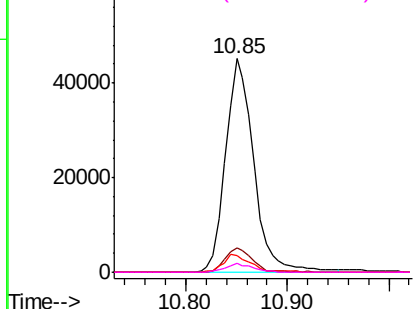
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041544.D
Acq: 29 Jun 2019 13:37

Instrument :
BNA_G
ClientSampleId :
SAMPLE-15

Tgt Ion:	136	Resp:	87101
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	7.5	7.1	10.7
68	4.3	3.3	4.9

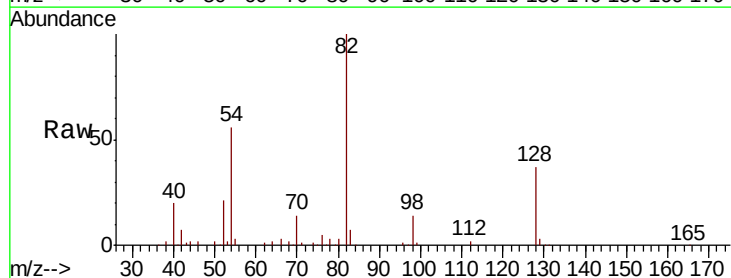


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

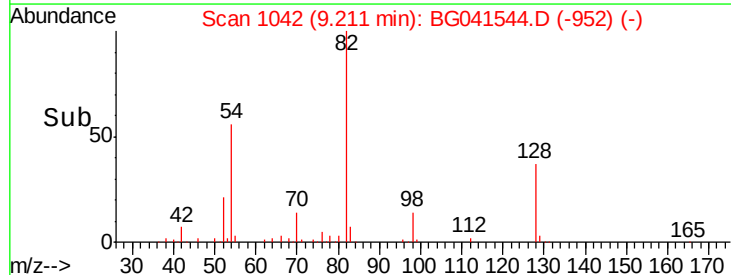
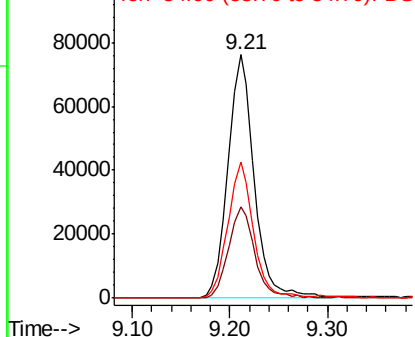


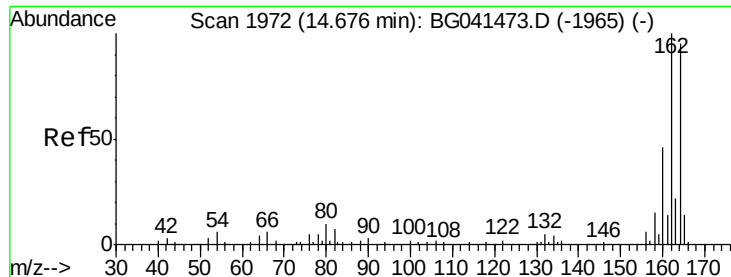
#23
Nitrobenzene-d5
Concen: 68.014 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041544.D
Acq: 29 Jun 2019 13:37

Tgt Ion:	82	Resp:	142041
Ion	Ratio	Lower	Upper
82	100		
128	37.5	30.9	46.3
54	55.7	42.2	63.2



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: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041544.D

Acq: 29 Jun 2019 13:37

Instrument :

BNA_G

ClientSampleId :

SAMPLE-15

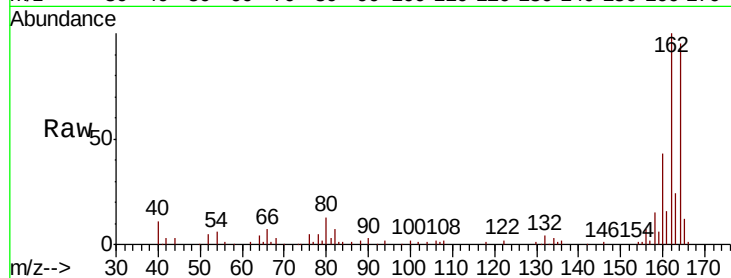
Tgt Ion:164 Resp: 61394

Ion Ratio Lower Upper

164 100

162 105.6 84.4 126.6

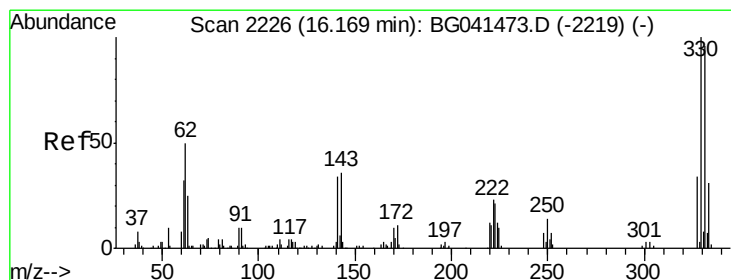
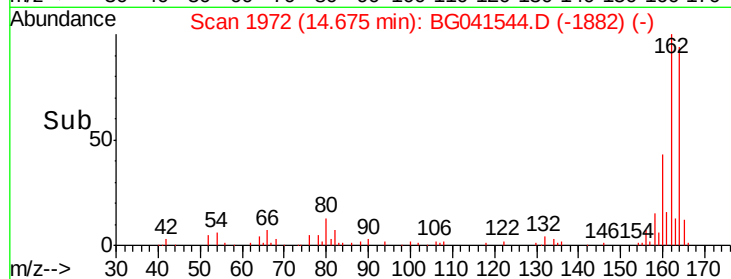
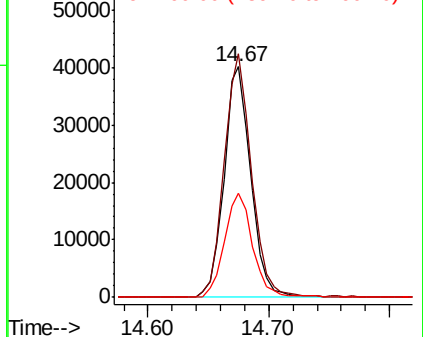
160 44.9 38.8 58.2



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: 106.719 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041544.D

Acq: 29 Jun 2019 13:37

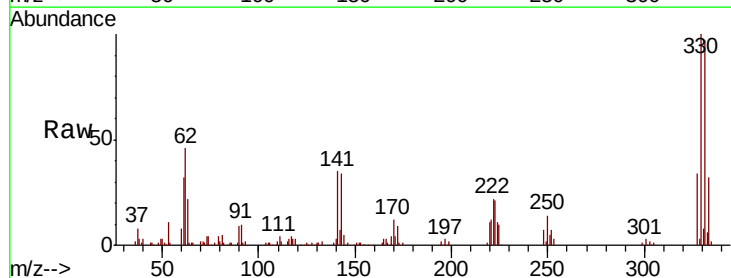
Tgt Ion:330 Resp: 111869

Ion Ratio Lower Upper

330 100

332 95.2 75.5 113.3

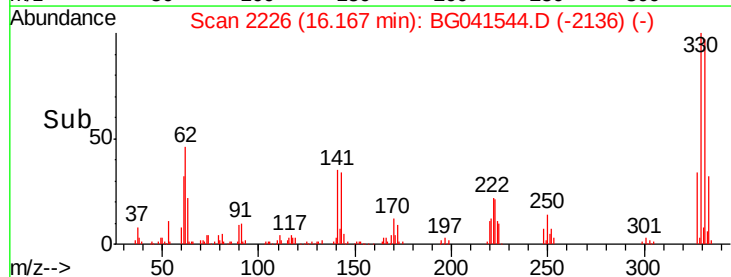
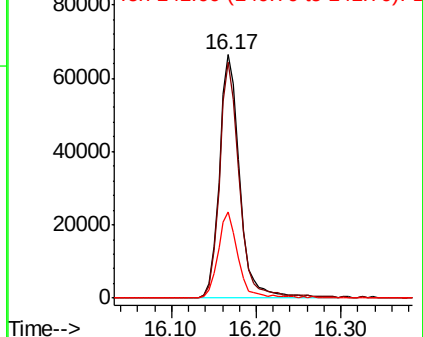
141 34.4 27.8 41.6

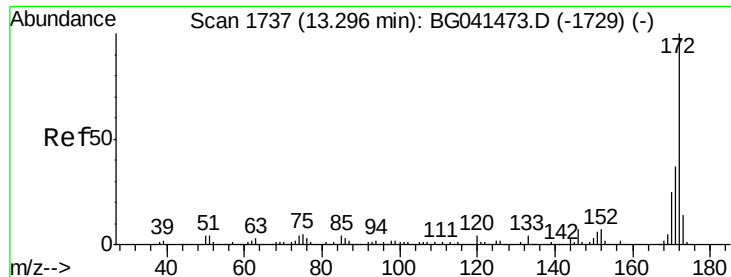


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

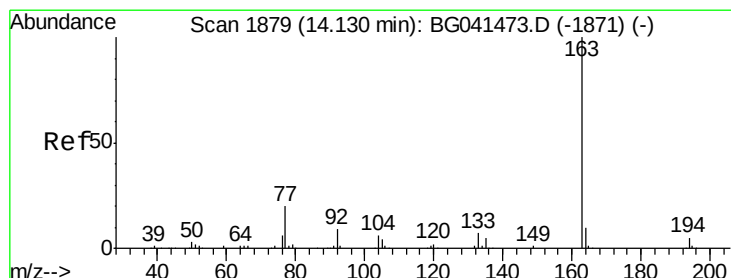
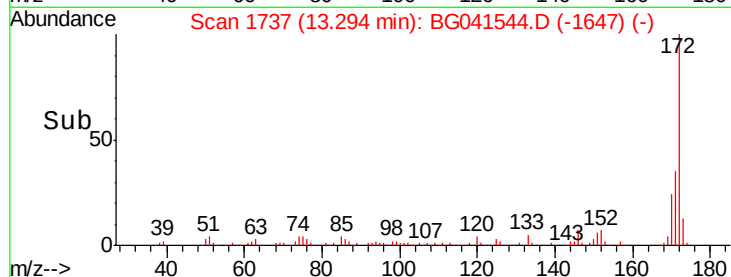
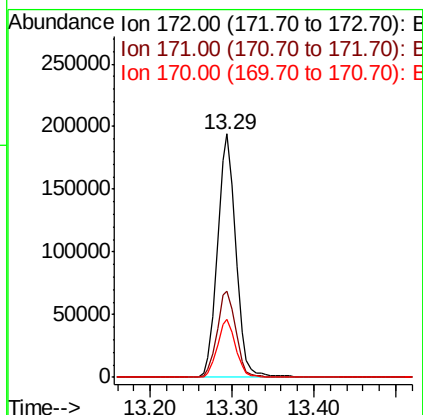
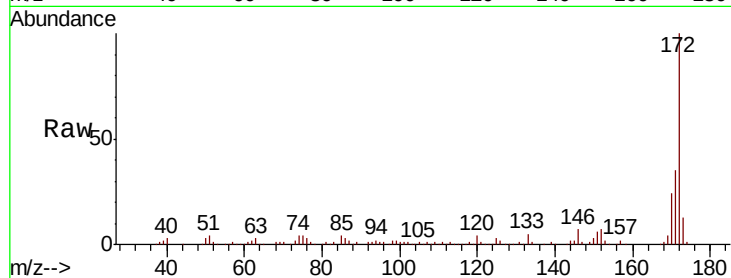




#45
 2-Fluorobiphenyl
 Concen: 63.554 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041544.D
 Acq: 29 Jun 2019 13:37

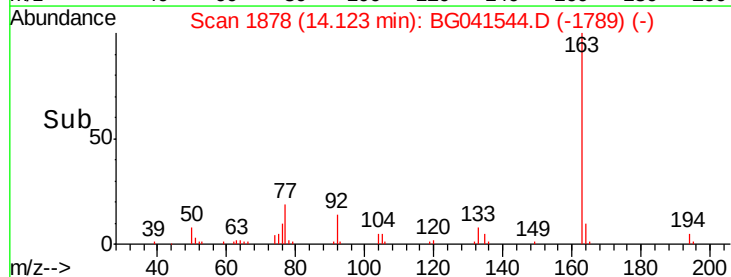
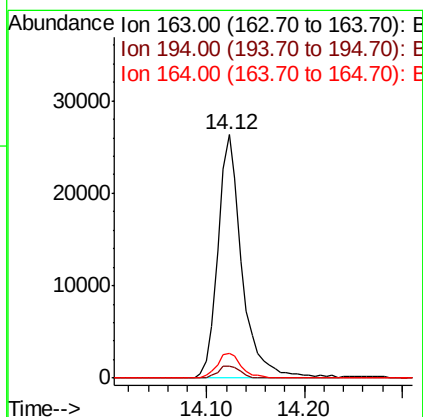
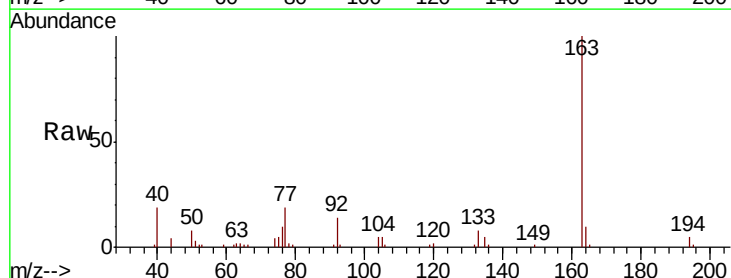
Instrument :
 BNA_G
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 SAMPLE-15

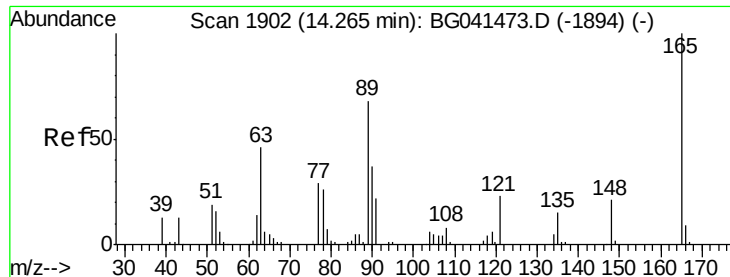
Tgt Ion:172 Resp: 304056
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.8 20.0 30.0



#50
 Dimethylphthalate
 Concen: 8.032 ng
 RT: 14.12 min Scan# 1878
 Delta R.T. -0.01 min
 Lab File: BG041544.D
 Acq: 29 Jun 2019 13:37

Tgt Ion:163 Resp: 44876
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.7 5.5
 164 10.3 7.8 11.6

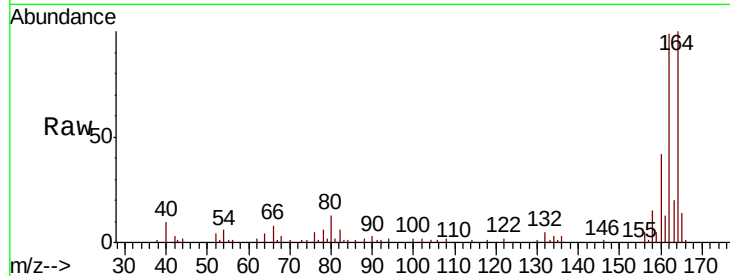




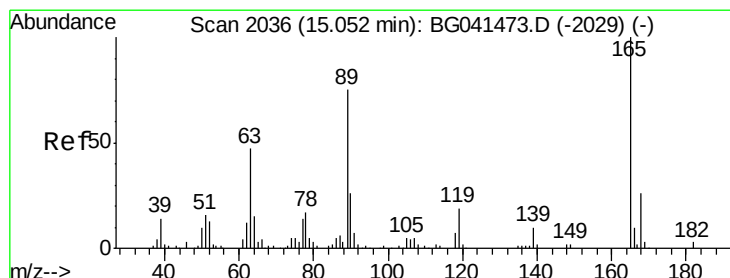
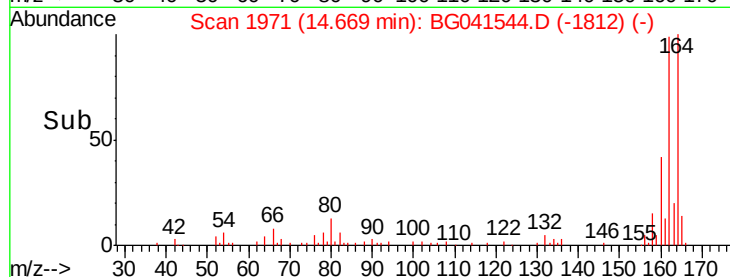
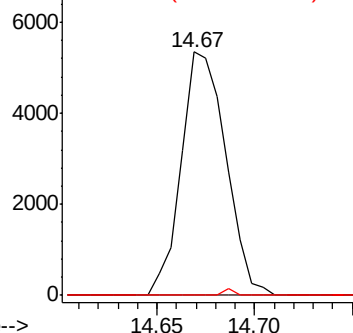
#51
 2,6-Dinitrotoluene
 Concen: 7.131 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG041544.D
 Acq: 29 Jun 2019 13:37

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	56.4	84.6#
89	0.0	54.6	81.8#

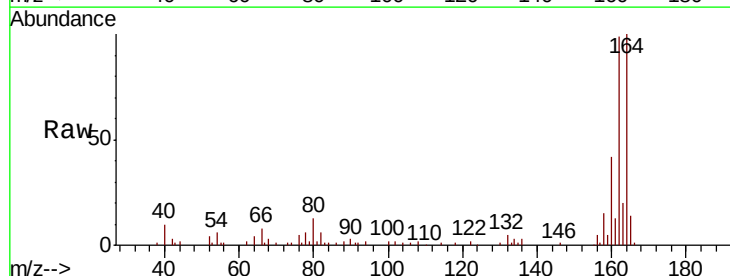


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

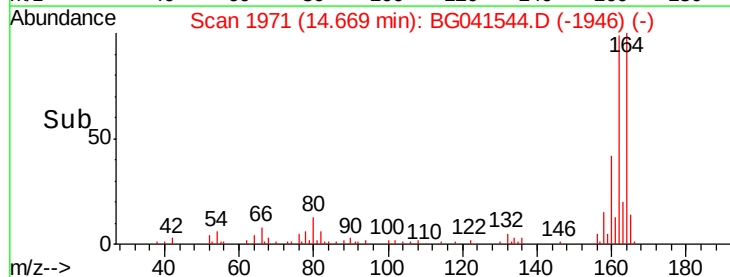
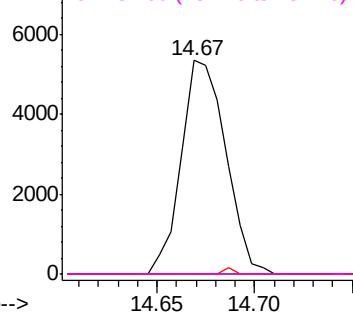


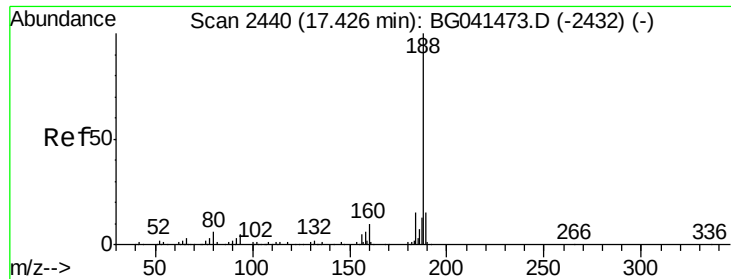
#57
 2,4-Dinitrotoluene
 Concen: 4.916 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG041544.D
 Acq: 29 Jun 2019 13:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.8	58.2#
89	0.0	60.1	90.1#
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

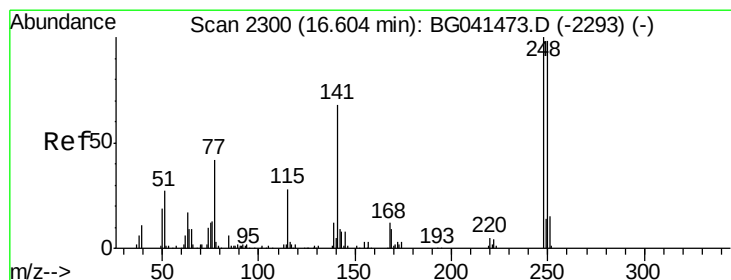
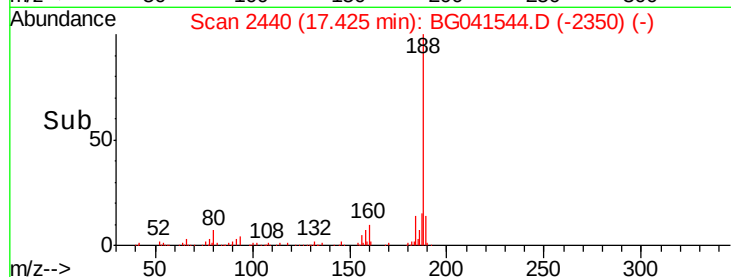
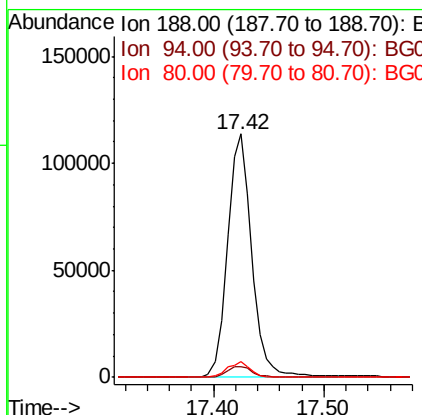
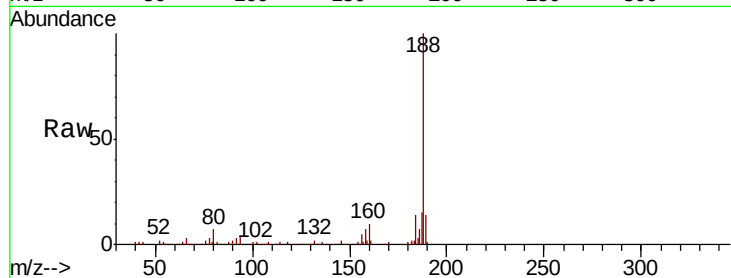




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG041544.D
 Acq: 29 Jun 2019 13:37

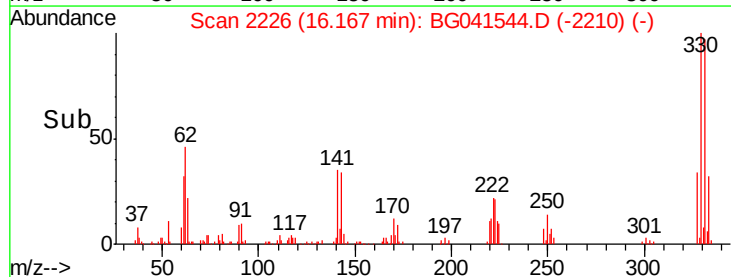
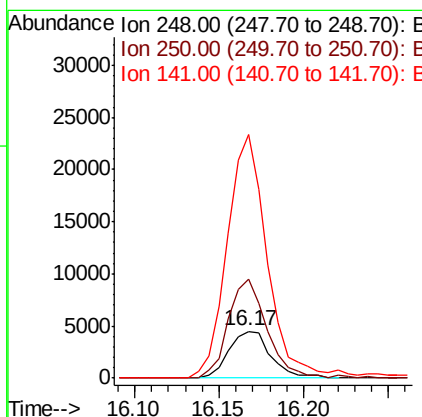
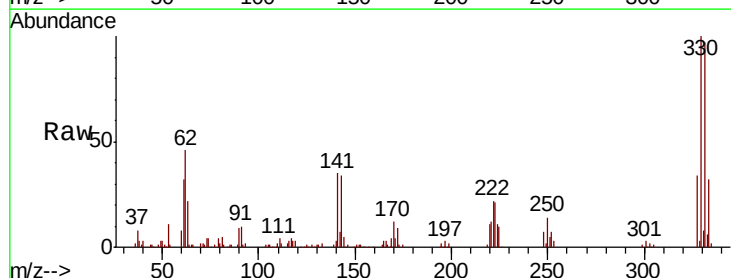
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-15

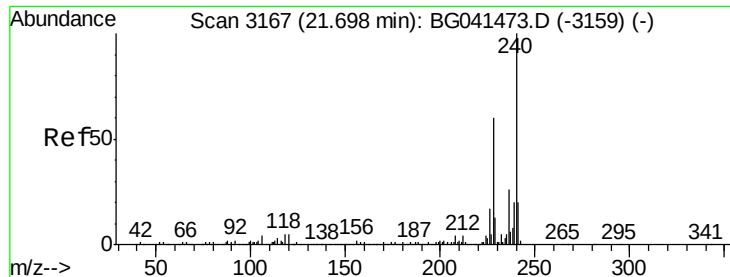
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.8	5.8
80	6.5	4.8	7.2



#67
 4-Bromophenyl-phenylether
 Concen: 3.250 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.44 min
 Lab File: BG041544.D
 Acq: 29 Jun 2019 13:37

Tgt Ion	Ratio	Lower	Upper
248	100		
250	210.3	78.1	117.1#
141	518.5	54.1	81.1#

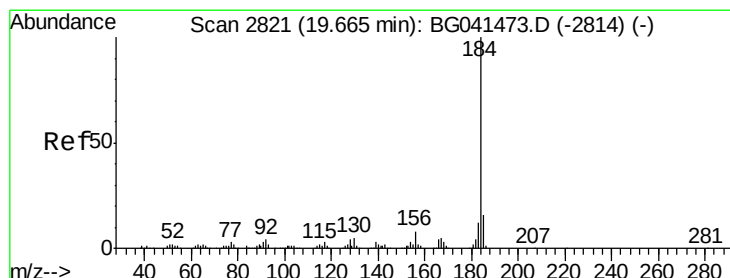
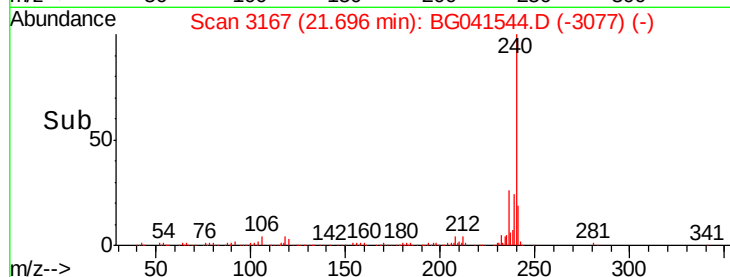
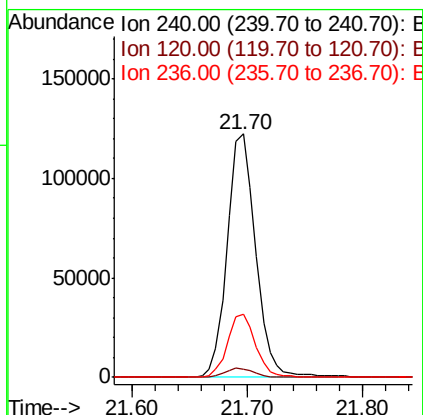
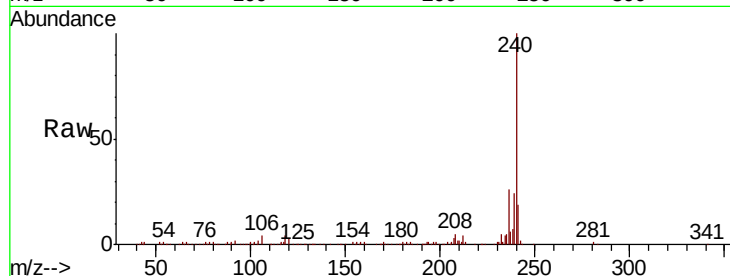




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041544.D
Acq: 29 Jun 2019 13:37

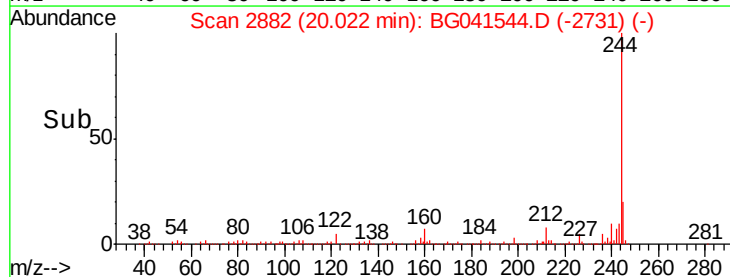
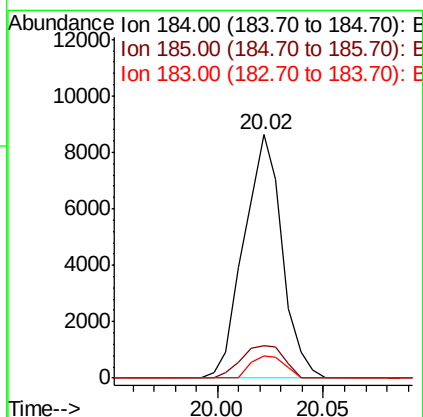
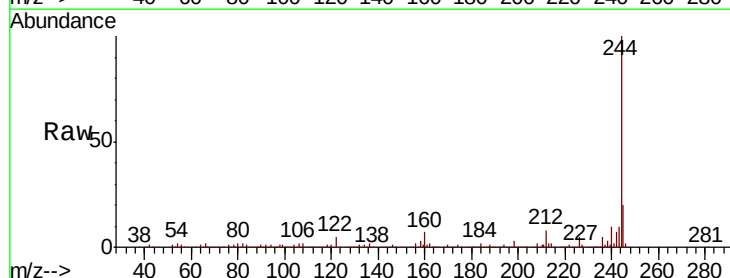
Instrument :
BNA_G
ClientSampleId :
SAMPLE-15

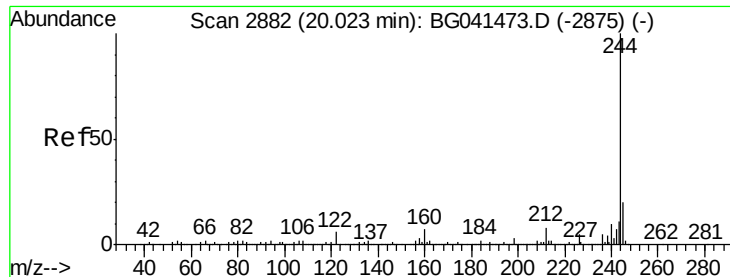
Tgt Ion:240 Resp: 209431
Ion Ratio Lower Upper
240 100
120 3.5 3.7 5.5#
236 25.9 20.8 31.2



#77
Benzidine
Concen: 2.330 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG041544.D
Acq: 29 Jun 2019 13:37

Tgt Ion:184 Resp: 10825
Ion Ratio Lower Upper
184 100
185 13.1 12.7 19.1
183 8.9 9.4 14.2#





#79

Terphenyl-d14

Concen: 67.361 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG041544.D

Acq: 29 Jun 2019 13:37

Instrument :

BNA_G

ClientSampleId :

SAMPLE-15

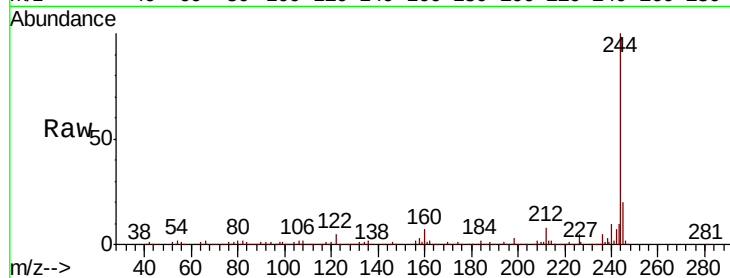
Tgt Ion:244 Resp: 663858

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

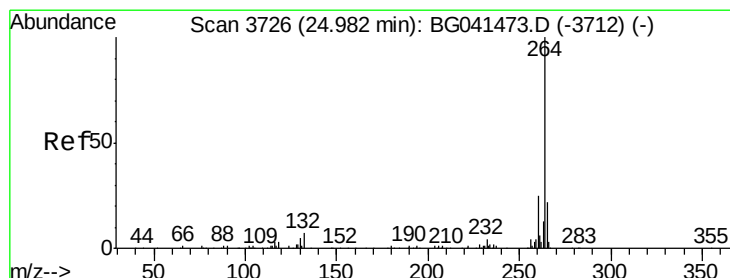
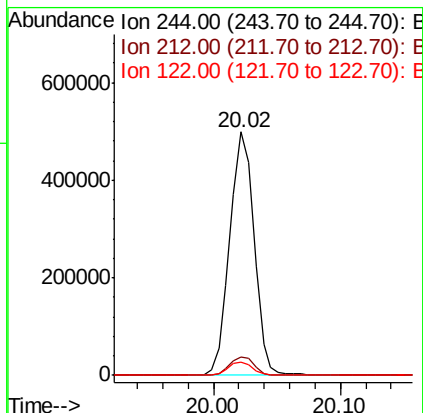
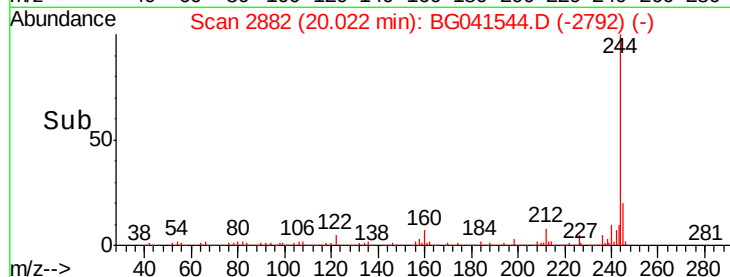
122 5.4 4.8 7.2



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: BG041544.D

Acq: 29 Jun 2019 13:37

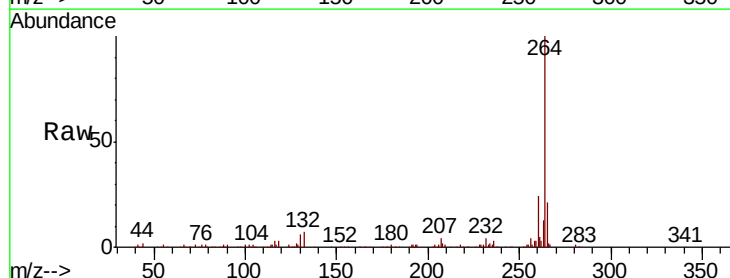
Tgt Ion:264 Resp: 226031

Ion Ratio Lower Upper

264 100

260 23.5 19.7 29.5

265 21.5 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

