

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062919\
 Data File : BG041545.D
 Acq On : 29 Jun 2019 14:15
 Operator : HP/JU
 Sample : K3555-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-13

Quant Time: Jun 30 00:55:58 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

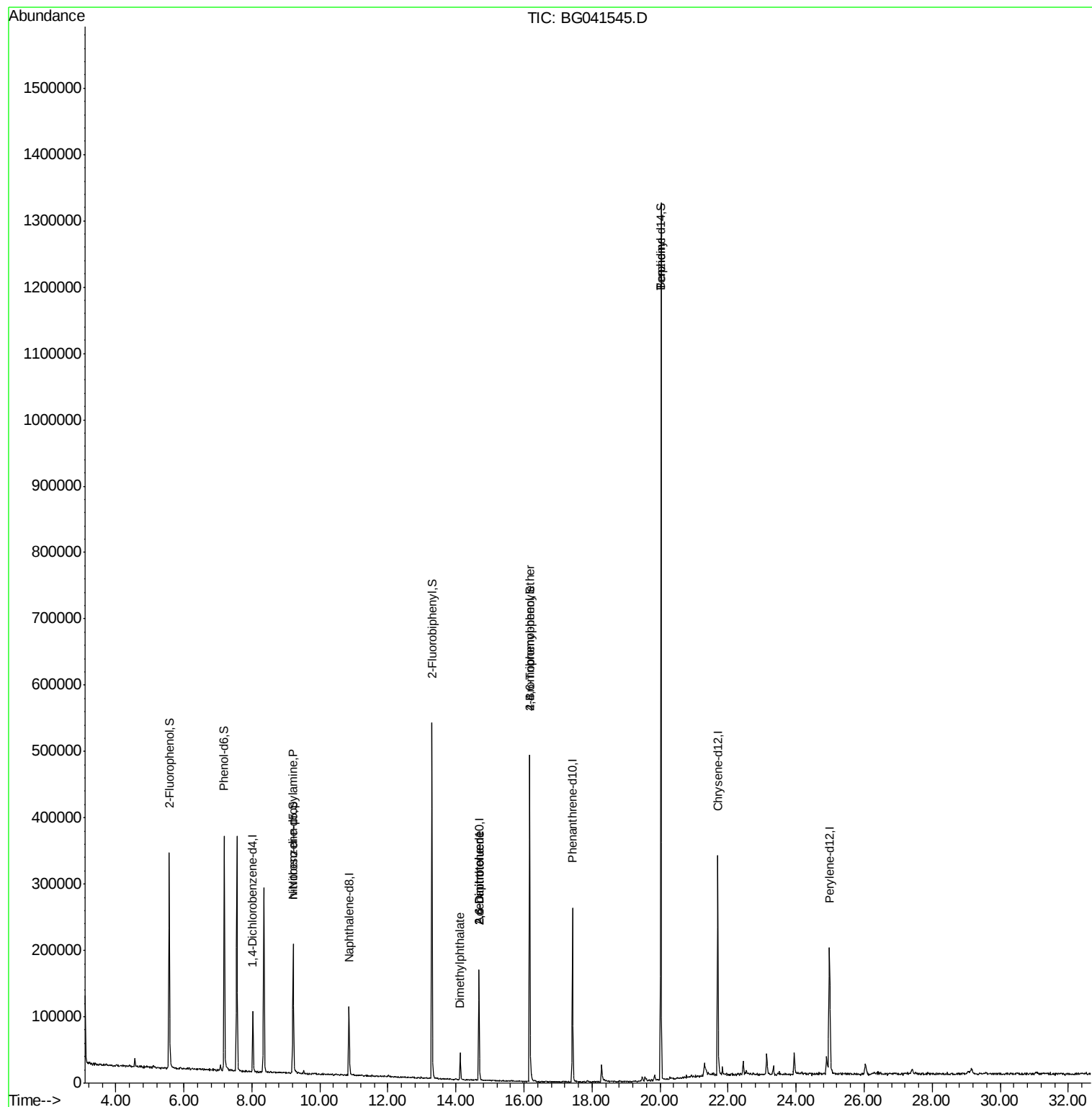
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	25616	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	86530	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	62009	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	170770	20.00	ng	0.00
76) Chrysene-d12	21.70	240	208608	20.00	ng	0.00
87) Perylene-d12	24.98	264	232714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	134454	93.58	ng	0.00
7) Phenol-d6	7.19	99	185817	91.87	ng	0.00
23) Nitrobenzene-d5	9.21	82	132337	63.79	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	99075	93.58	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	277229	57.37	ng	0.00
79) Terphenyl-d14	20.02	244	615152	62.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	18768	12.440	ng	# 76
50) Dimethylphthalate	14.12	163	32626	5.782	ng	# 95
51) 2,6-Dinitrotoluene	14.67	165	7267	6.068	ng	# 17
57) 2,4-Dinitrotoluene	14.67	165	7267	4.183	ng	# 23
67) 4-Bromophenyl-phenylether	16.16	248	7077	3.033	ng	# 1
77) Benzidine	20.02	184	10299	2.225	ng	# 91

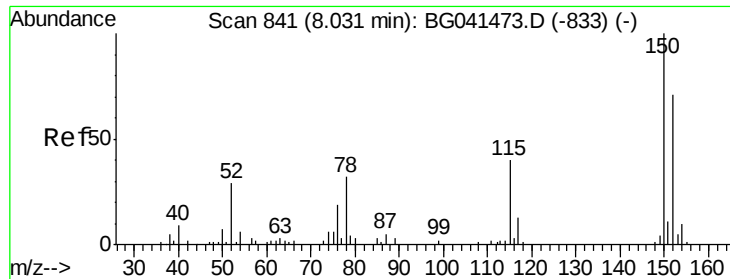
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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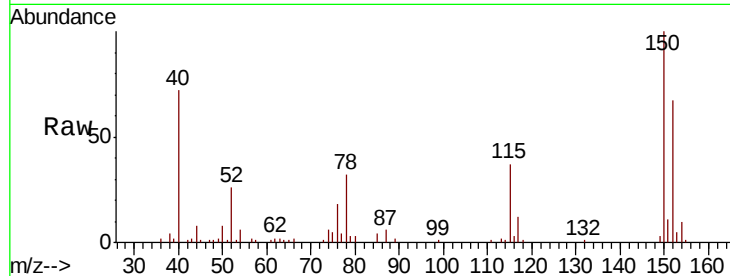


#1

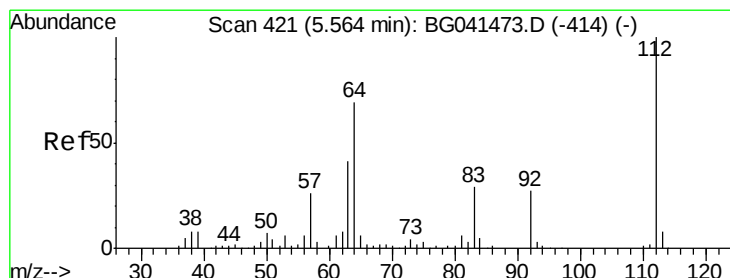
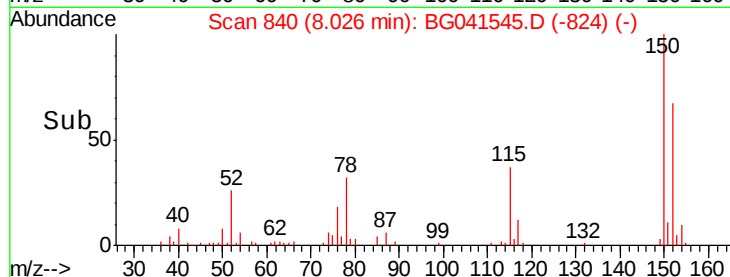
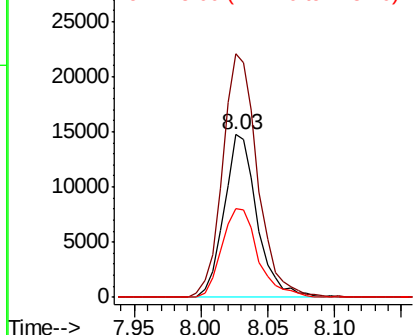
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG041545.D
Acq: 29 Jun 2019 14:15

Instrument :
BNA_G
ClientSampleId :
SAMPLE-13

Tgt Ion:152 Resp: 25616
Ion Ratio Lower Upper
152 100
150 149.6 112.4 168.6
115 54.8 44.6 66.8



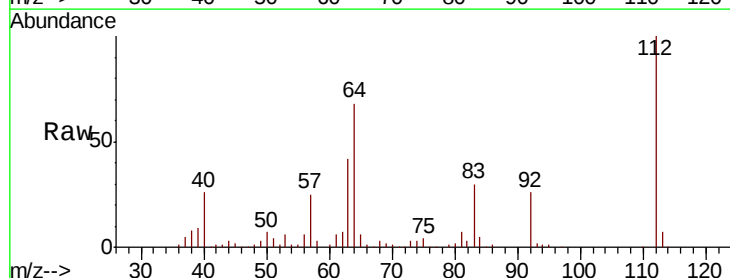
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



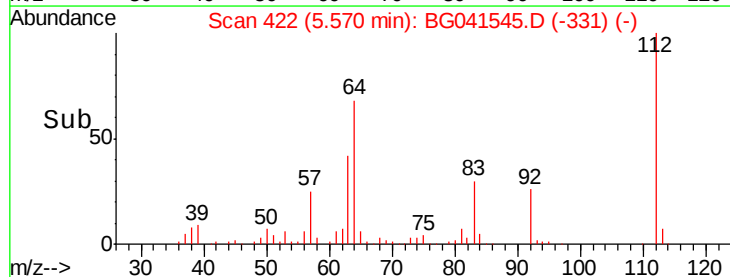
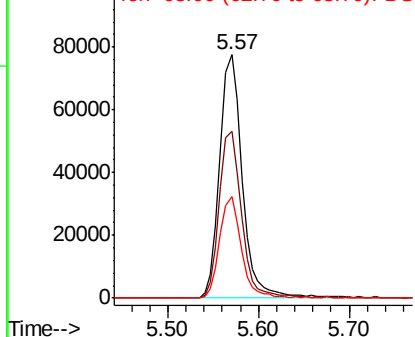
#5

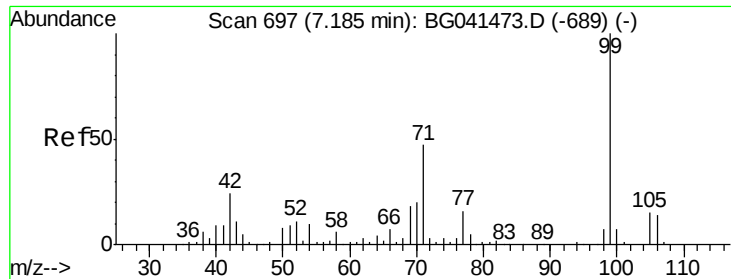
2-Fluorophenol
Concen: 93.579 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG041545.D
Acq: 29 Jun 2019 14:15

Tgt Ion:112 Resp: 134454
Ion Ratio Lower Upper
112 100
64 68.4 55.1 82.7
63 42.0 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: 91.869 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

Instrument :

BNA_G

ClientSampled :

SAMPLE-13

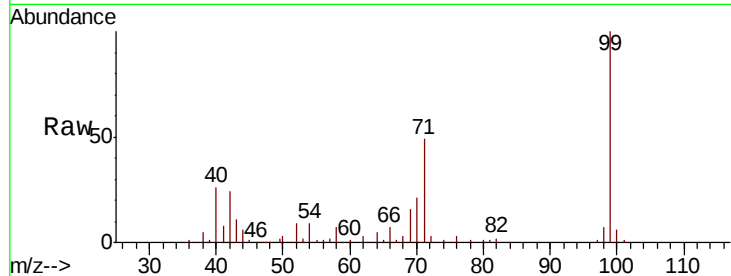
Tgt Ion: 99 Resp: 185817

Ion Ratio Lower Upper

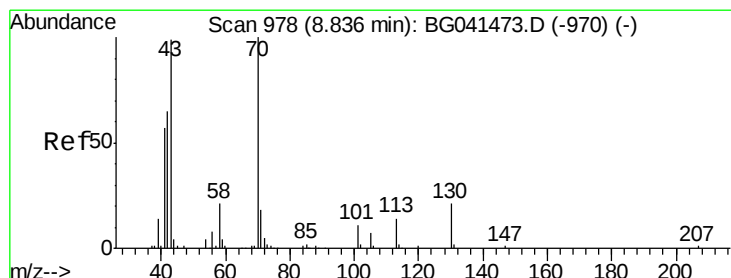
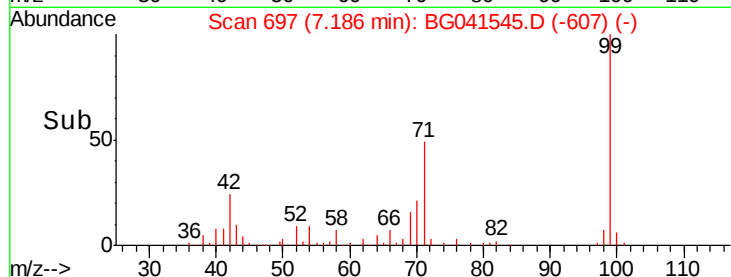
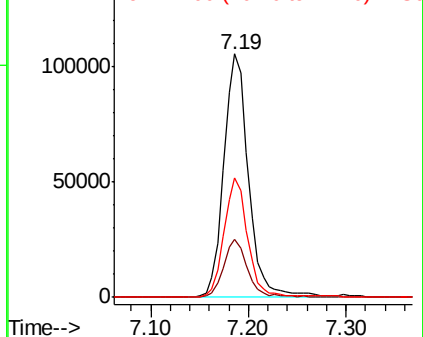
99 100

42 23.8 19.0 28.6

71 49.1 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: 12.440 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

Tgt Ion: 70 Resp: 18768

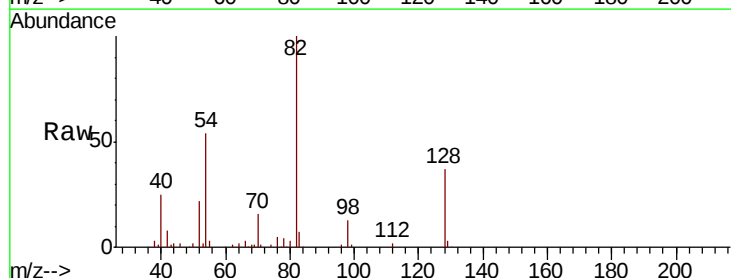
Ion Ratio Lower Upper

70 100

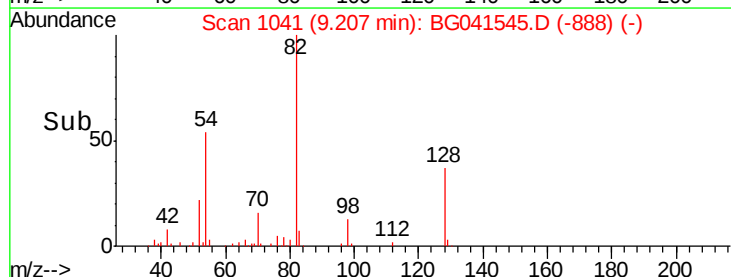
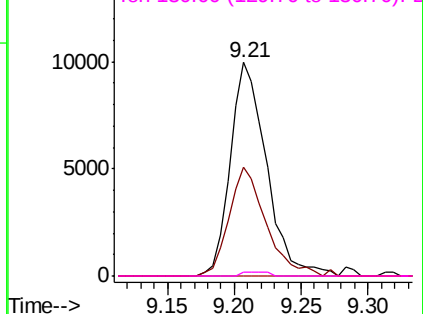
42 51.2 52.6 78.8#

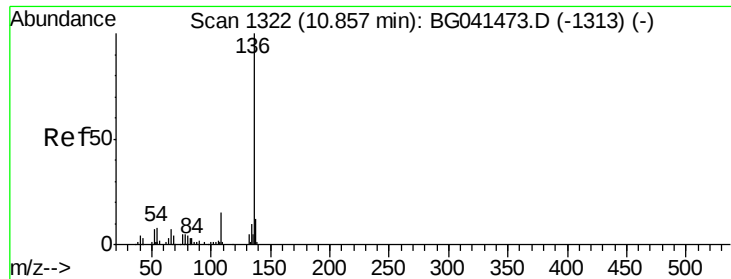
101 0.0 8.6 13.0#

130 1.7 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

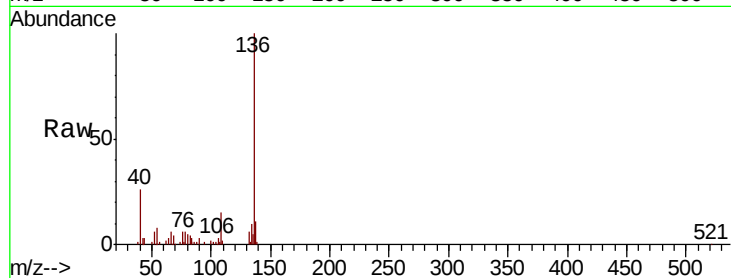




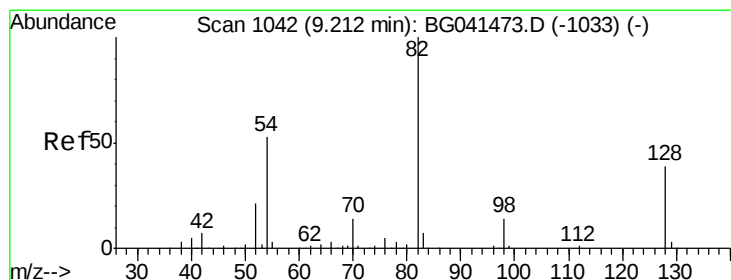
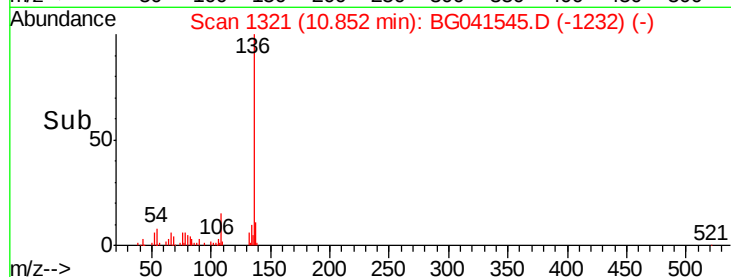
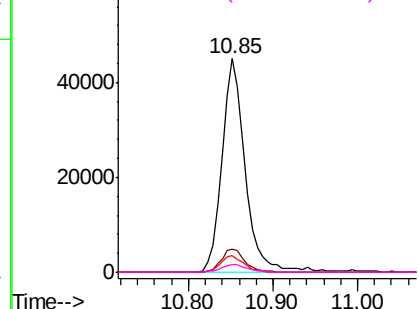
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041545.D
Acq: 29 Jun 2019 14:15

Instrument :
BNA_G
ClientSampleId :
SAMPLE-13

Tgt Ion:	136	Resp:	86530
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	8.2	7.1	10.7
68	3.7	3.3	4.9

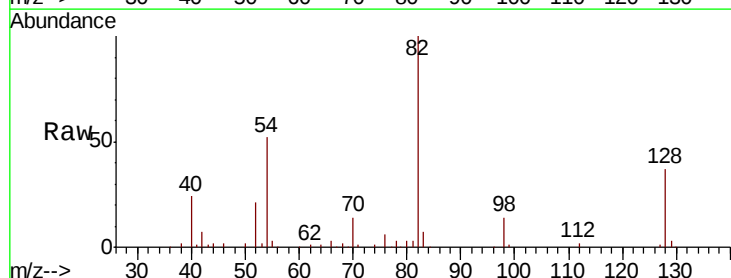


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

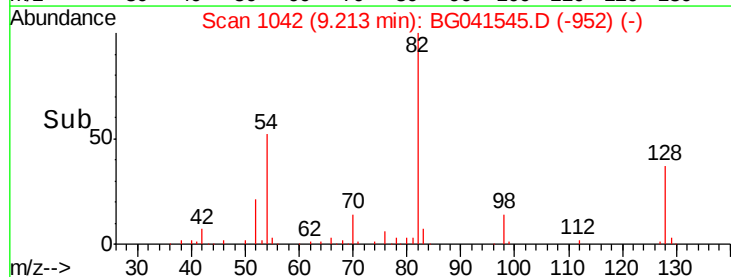
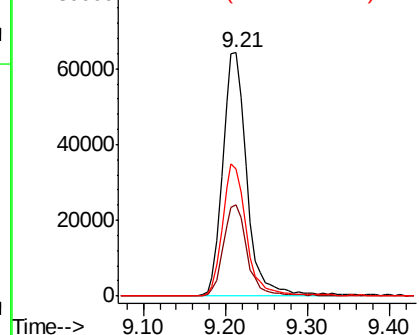


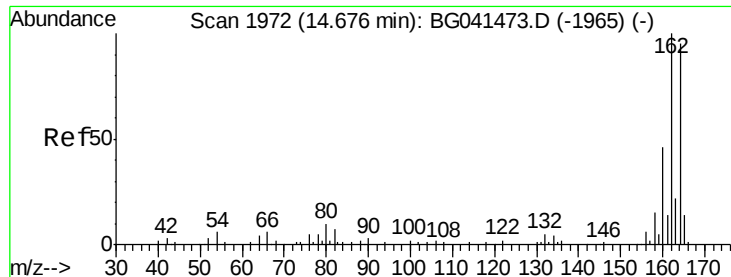
#23
Nitrobenzene-d5
Concen: 63.786 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG041545.D
Acq: 29 Jun 2019 14:15

Tgt Ion:	82	Resp:	132337
Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.9	46.3
54	52.4	42.2	63.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

Instrument :

BNA_G

ClientSampleId :

SAMPLE-13

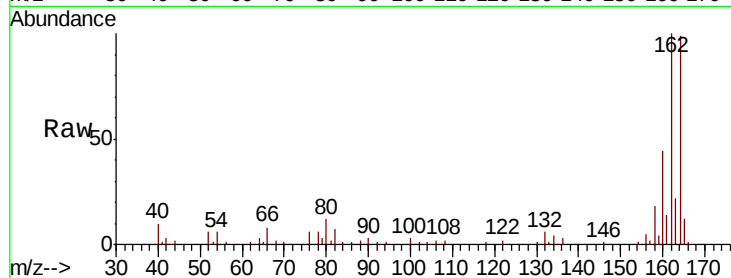
Tgt Ion:164 Resp: 62009

Ion Ratio Lower Upper

164 100

162 101.3 84.4 126.6

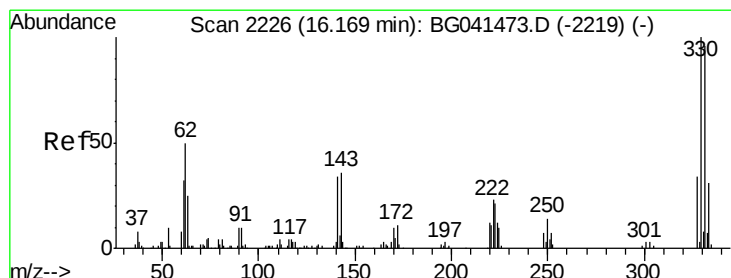
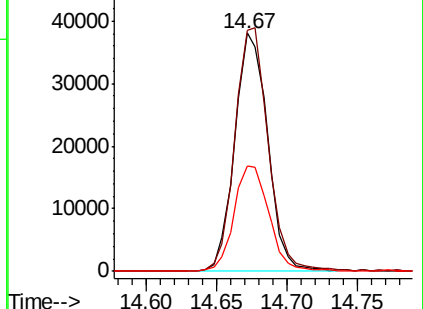
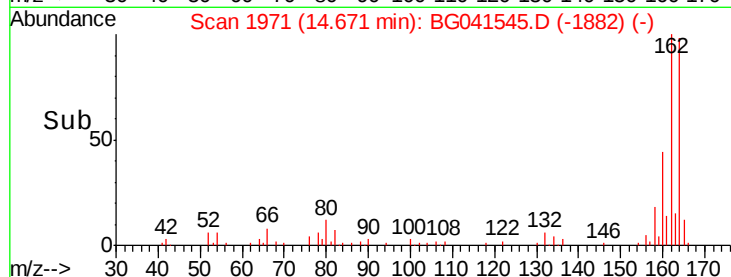
160 44.2 38.8 58.2



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: 93.576 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

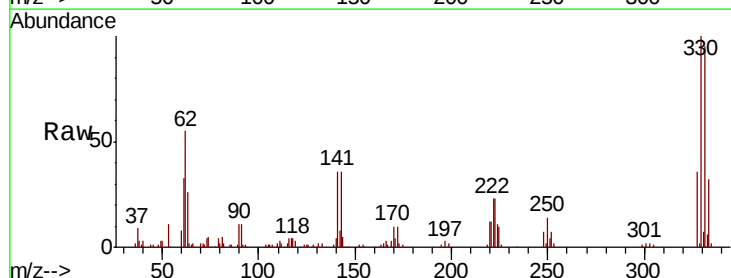
Tgt Ion:330 Resp: 99075

Ion Ratio Lower Upper

330 100

332 95.2 75.5 113.3

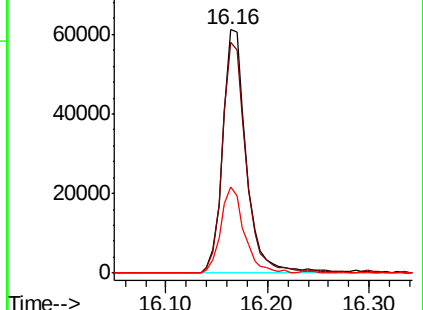
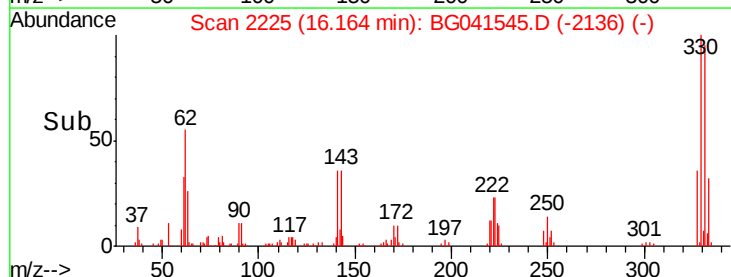
141 35.3 27.8 41.6

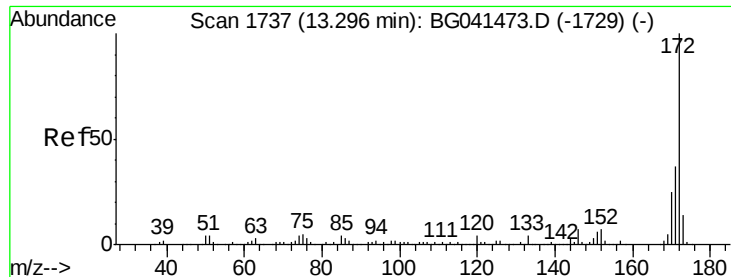


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

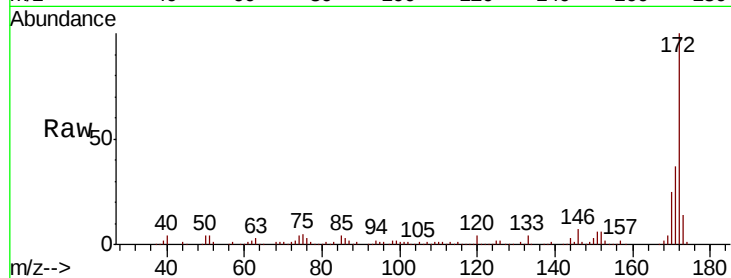




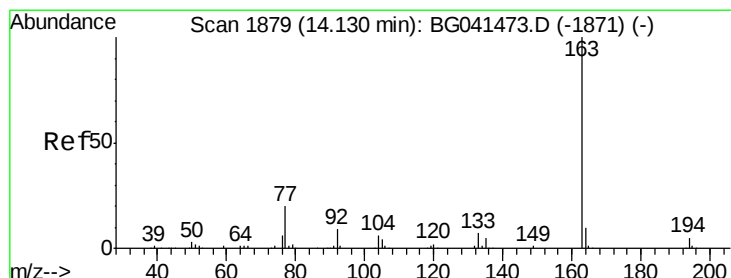
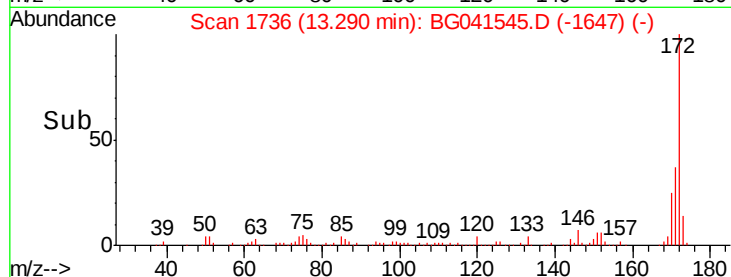
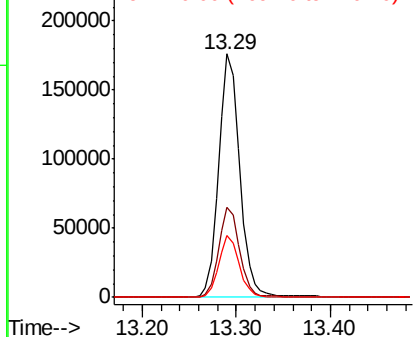
#45
 2-Fluorobiphenyl
 Concen: 57.372 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG041545.D
 Acq: 29 Jun 2019 14:15

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-13

Tgt Ion:172 Resp: 277229
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 25.4 20.0 30.0

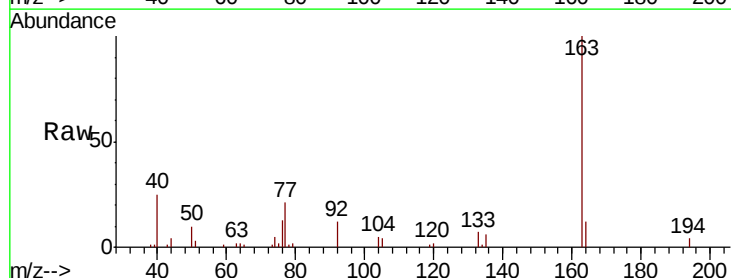


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

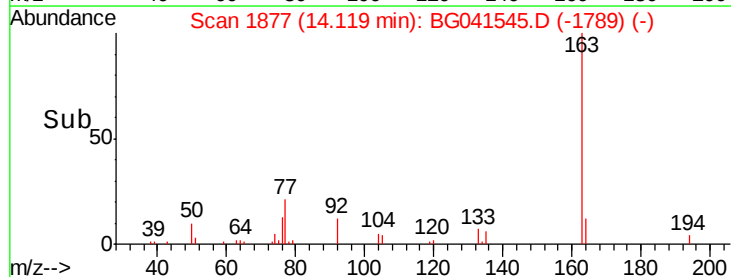
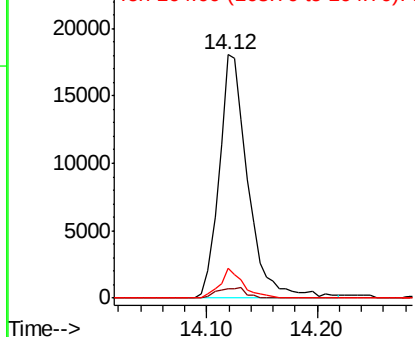


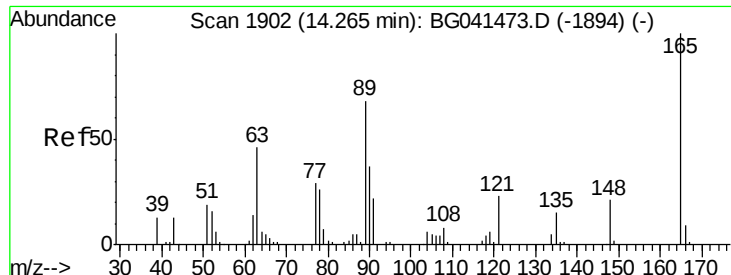
#50
 Dimethylphthalate
 Concen: 5.782 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: BG041545.D
 Acq: 29 Jun 2019 14:15

Tgt Ion:163 Resp: 32626
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.7 5.5
 164 12.2 7.8 11.6#



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

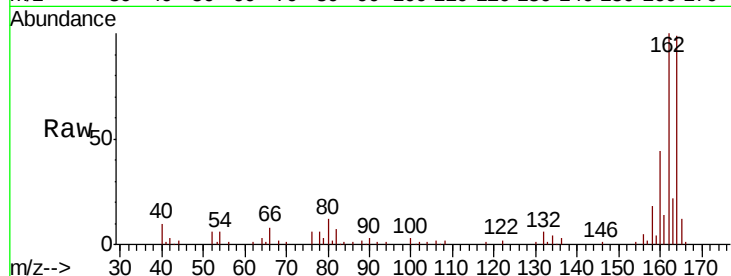




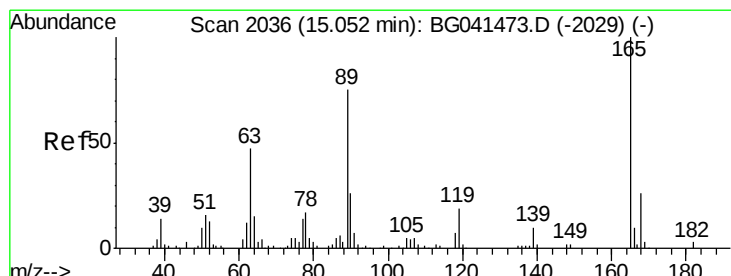
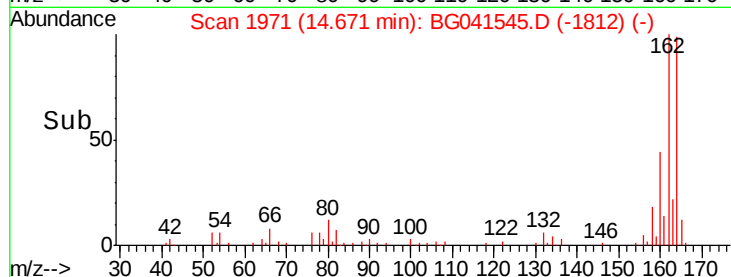
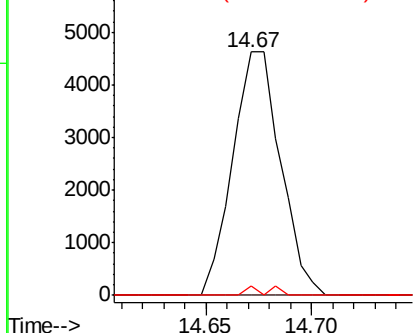
#51
 2,6-Dinitrotoluene
 Concen: 6.068 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG041545.D
 Acq: 29 Jun 2019 14:15

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	56.4	84.6#
89	3.7	54.6	81.8#

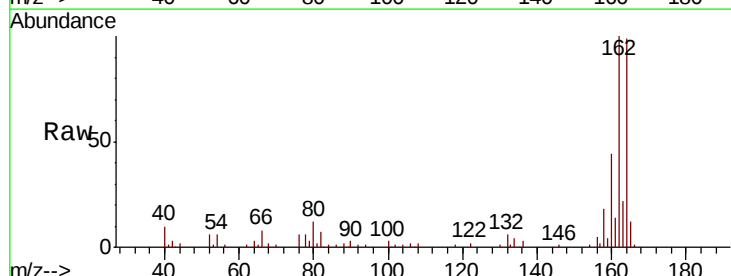


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

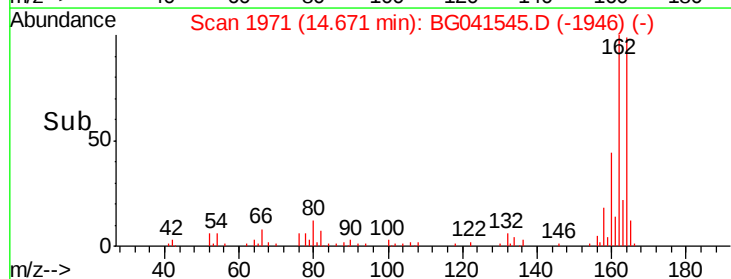
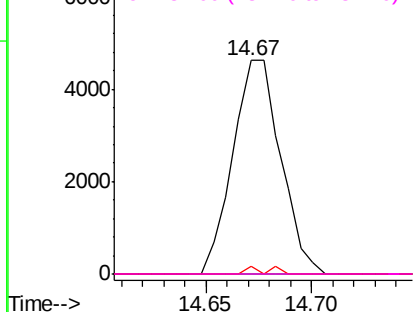


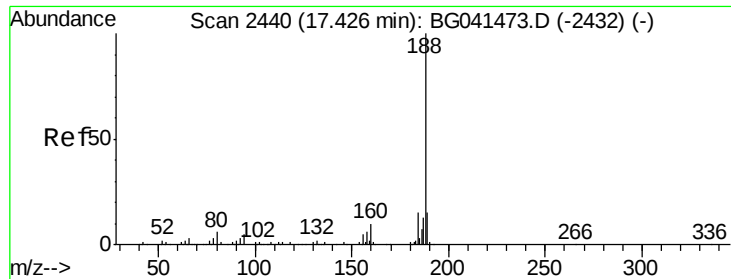
#57
 2,4-Dinitrotoluene
 Concen: 4.183 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG041545.D
 Acq: 29 Jun 2019 14:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.8	58.2#
89	3.7	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# 2439

Delta R.T. -0.01 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

Instrument :

BNA_G

ClientSampleId :

SAMPLE-13

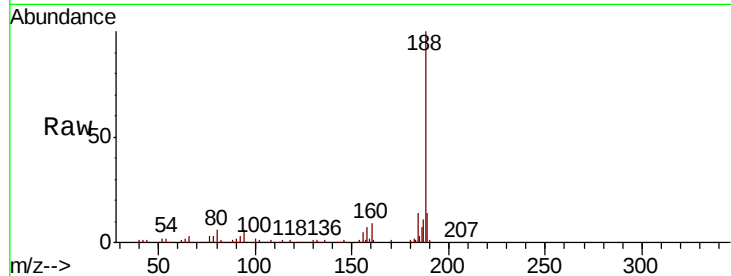
Tgt Ion:188 Resp: 170770

Ion Ratio Lower Upper

188 100

94 5.8 3.8 5.8

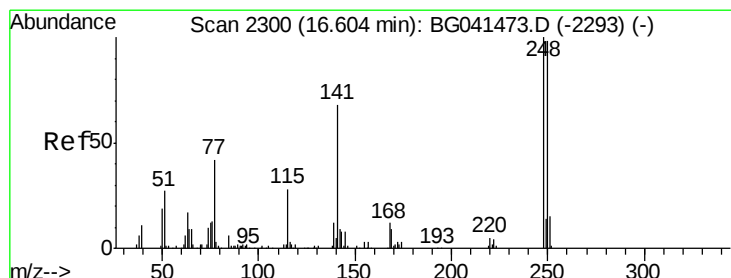
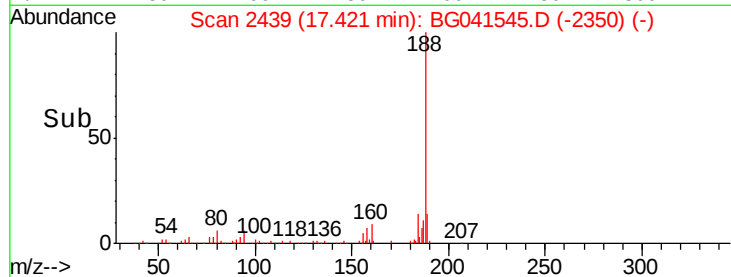
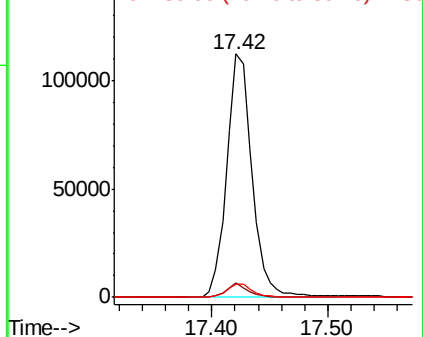
80 5.6 4.8 7.2



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



#67

4-Bromophenyl-phenylether

Concen: 3.033 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.44 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

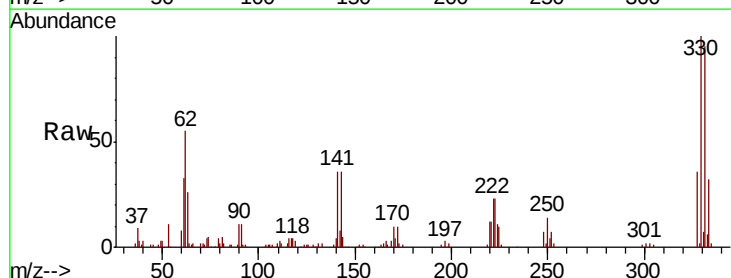
Tgt Ion:248 Resp: 7077

Ion Ratio Lower Upper

248 100

250 190.5 78.1 117.1#

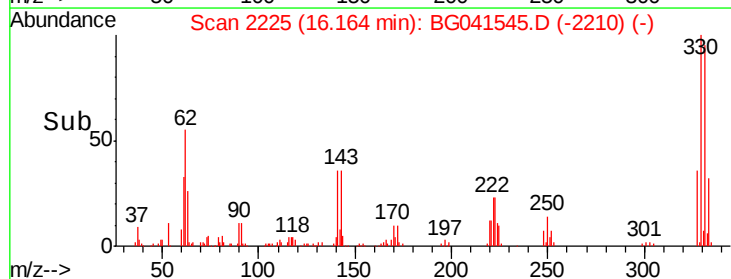
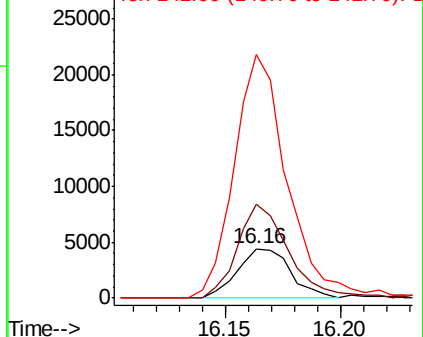
141 491.3 54.1 81.1#

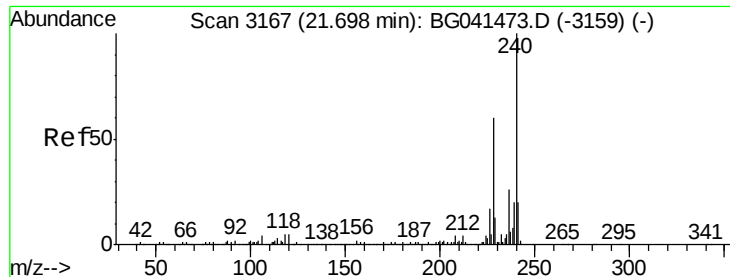


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

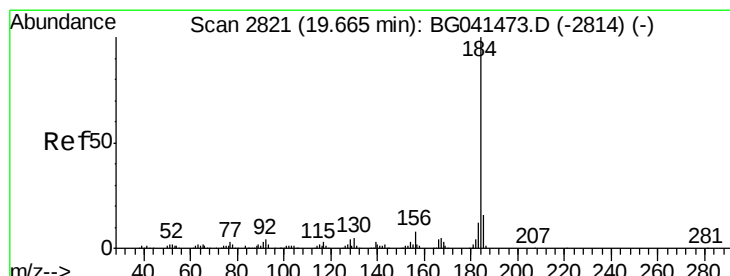
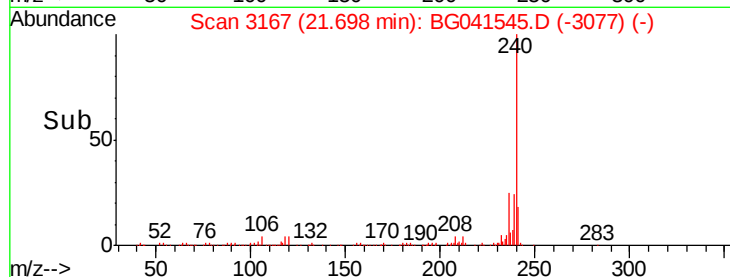
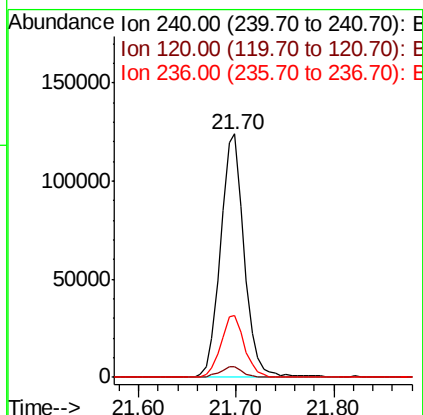
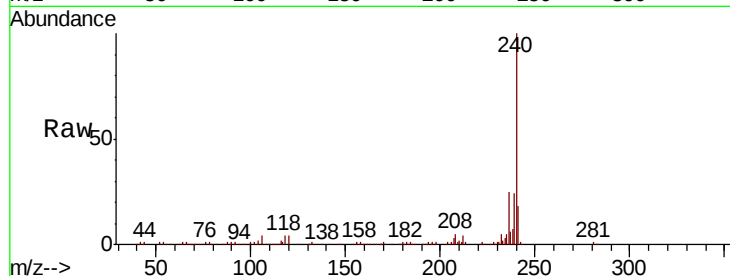




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BG041545.D
Acq: 29 Jun 2019 14:15

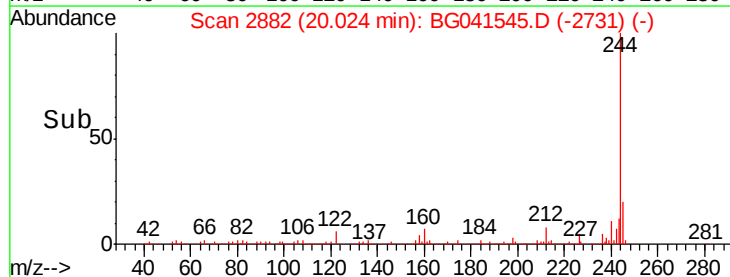
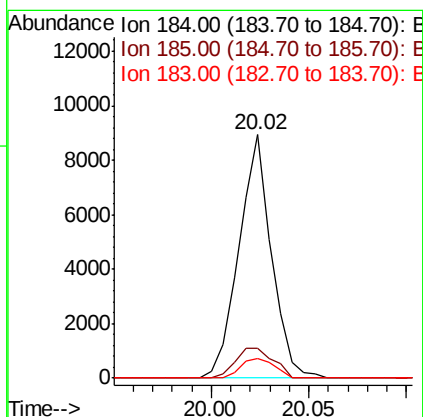
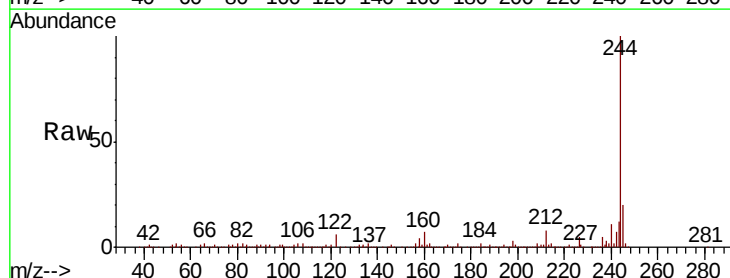
Instrument :
BNA_G
ClientSampleId :
SAMPLE-13

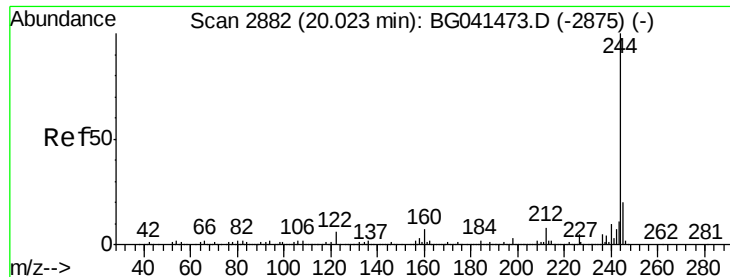
Tgt Ion: 240 Resp: 208608
Ion Ratio Lower Upper
240 100
120 4.3 3.7 5.5
236 25.5 20.8 31.2



#77
Benzidine
Concen: 2.225 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG041545.D
Acq: 29 Jun 2019 14:15

Tgt Ion: 184 Resp: 10299
Ion Ratio Lower Upper
184 100
185 12.3 12.7 19.1#
183 7.8 9.4 14.2#





#79

Terphenyl-d14

Concen: 62.665 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

Instrument :

BNA_G

ClientSampleId :

SAMPLE-13

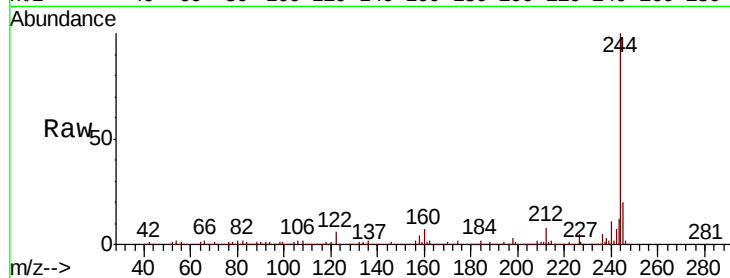
Tgt Ion:244 Resp: 615152

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

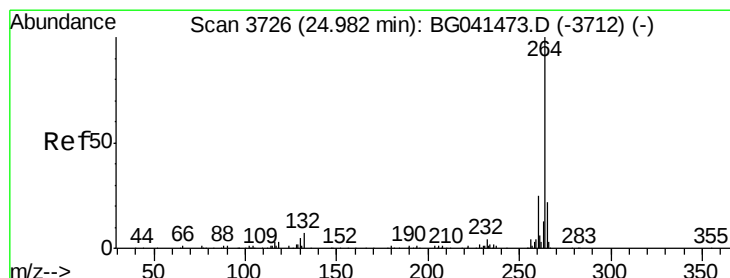
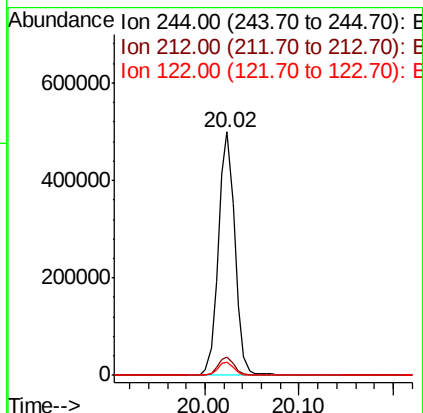
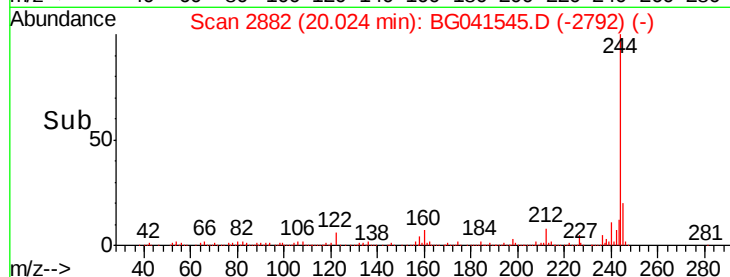
122 5.6 4.8 7.2



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# 3725

Delta R.T. -0.01 min

Lab File: BG041545.D

Acq: 29 Jun 2019 14:15

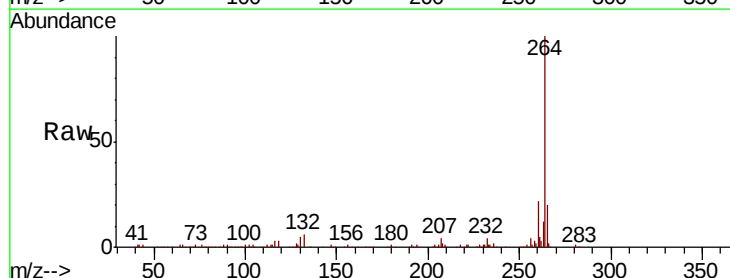
Tgt Ion:264 Resp: 232714

Ion Ratio Lower Upper

264 100

260 22.1 19.7 29.5

265 20.1 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

