

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062719\
 Data File : BG041508.D
 Acq On : 28 Jun 2019 7:01
 Operator : HP/JU
 Sample : K3500-09DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 28 07:46:37 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	26762	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	105134	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	78834	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	211379	20.00	ng	0.00
76) Chrysene-d12	21.69	240	227293	20.00	ng	0.00
87) Perylene-d12	24.98	264	233944	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	40268	26.83	ng	0.00
7) Phenol-d6	7.19	99	35206	16.66	ng	0.00
23) Nitrobenzene-d5	9.21	82	101236	40.16	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	80528	59.83	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	258399	42.06	ng	0.00
79) Terphenyl-d14	20.02	244	546814	51.12	ng	0.00

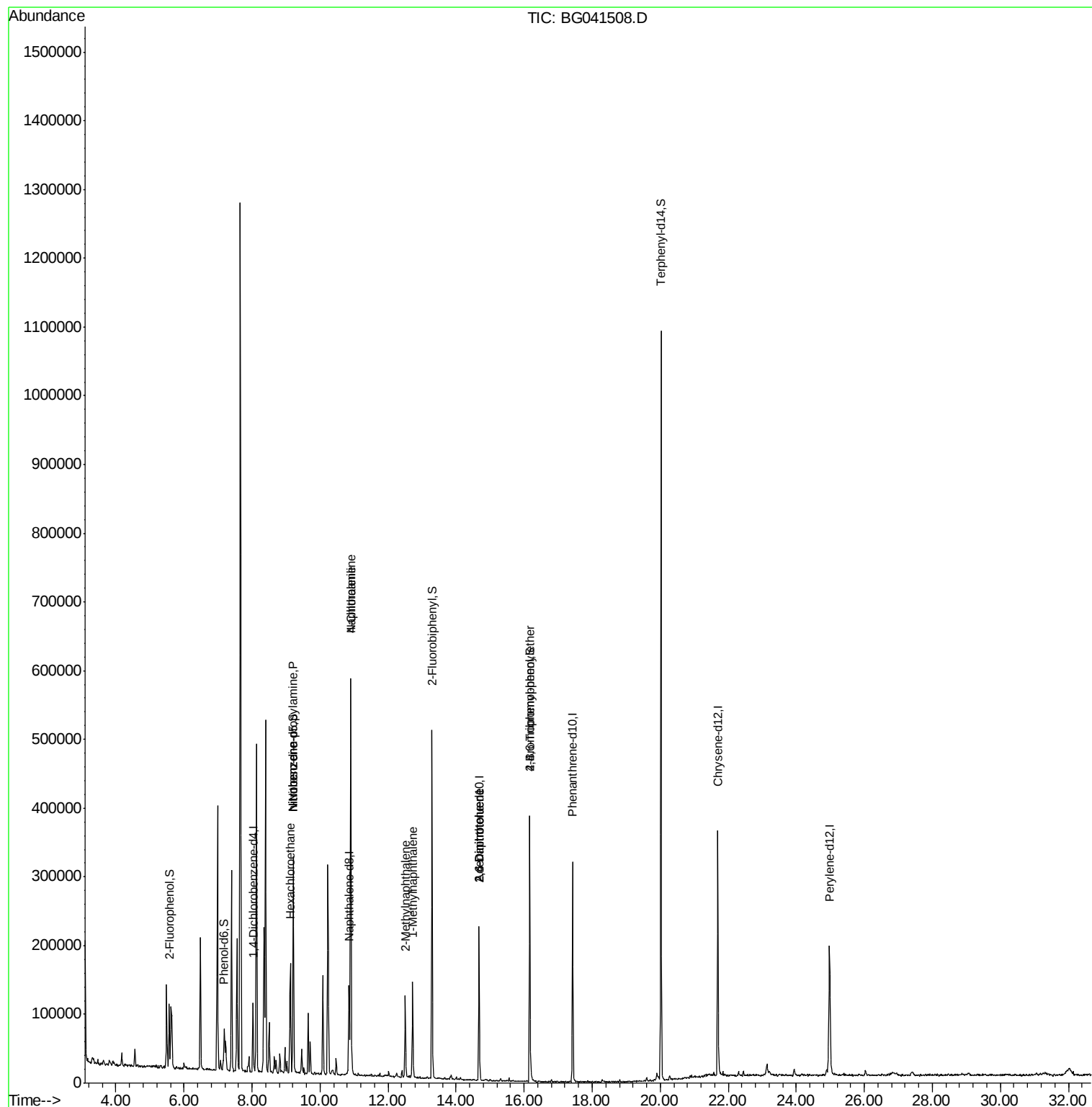
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.13	117	27707	31.986	ng	# 1
19) n-Nitroso-di-n-propylamine	9.21	70	14106	8.949	ng	# 81
24) Nitrobenzene	9.22	77	6252	2.471	ng	# 13
31) Naphthalene	10.90	128	470168	80.866	ng	99
33) 4-Chloroaniline	10.91	127	66080	26.999	ng	# 33
37) 2-Methylnaphthalene	12.51	142	53197	12.385	ng	97
38) 1-Methylnaphthalene	12.72	142	60268	14.707	ng	95
51) 2,6-Dinitrotoluene	14.67	165	10127	6.652	ng	# 17
57) 2,4-Dinitrotoluene	14.67	165	10127	4.585	ng	# 22
67) 4-Bromophenyl-phenylether	16.17	248	6008	2.080	ng	# 1

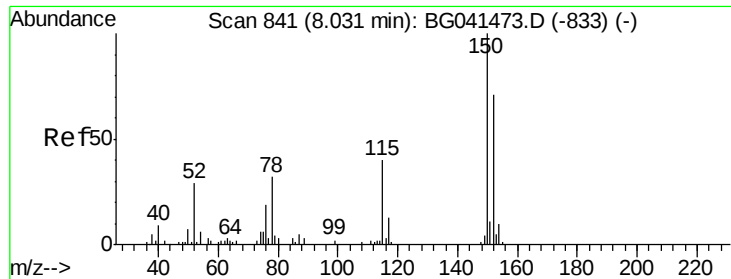
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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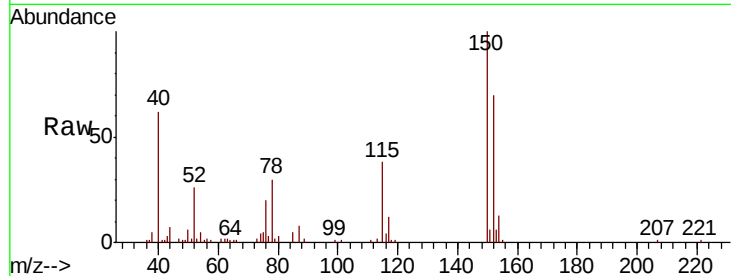


#1

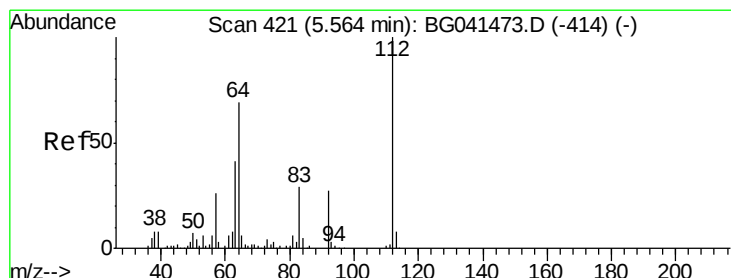
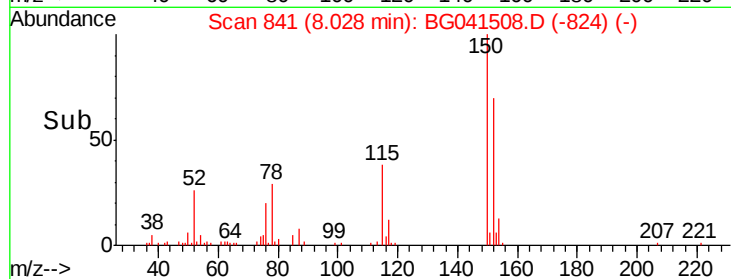
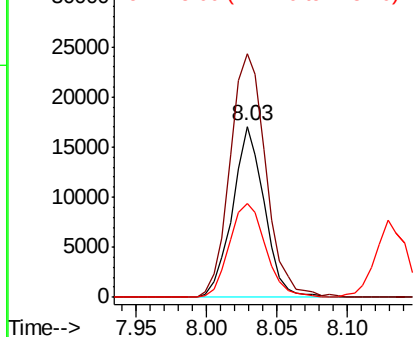
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 26762
Ion Ratio Lower Upper
152 100
150 142.7 112.4 168.6
115 54.8 44.6 66.8



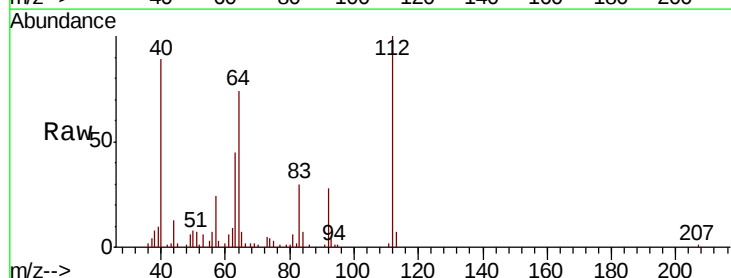
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



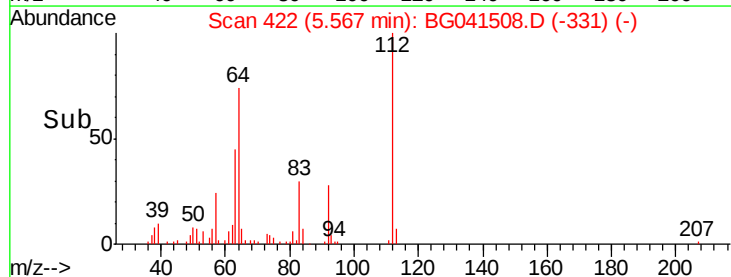
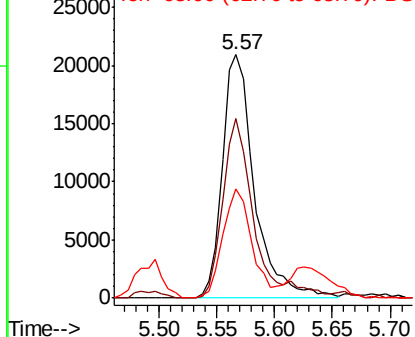
#5

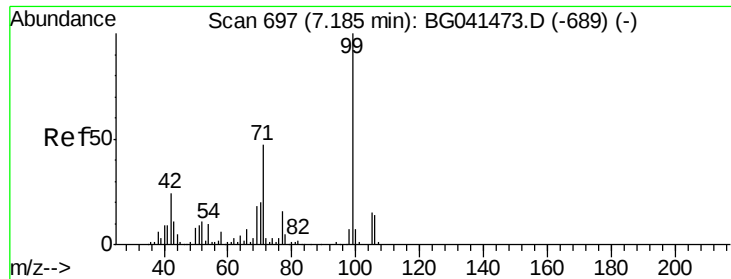
2-Fluorophenol
Concen: 26.826 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Tgt Ion:112 Resp: 40268
Ion Ratio Lower Upper
112 100
64 73.8 55.1 82.7
63 45.0 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: 16.661 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041508.D

Acq: 28 Jun 2019 7:01

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

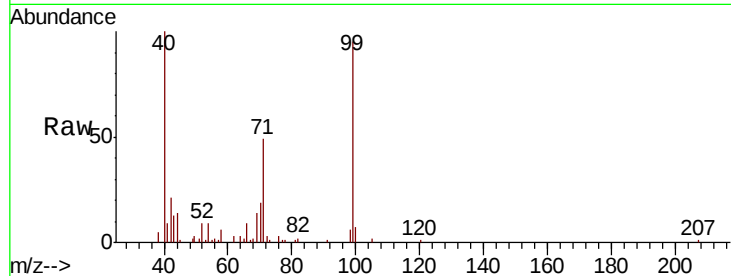
Tgt Ion: 99 Resp: 35206

Ion Ratio Lower Upper

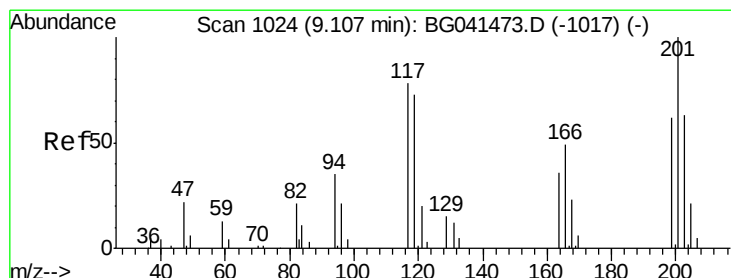
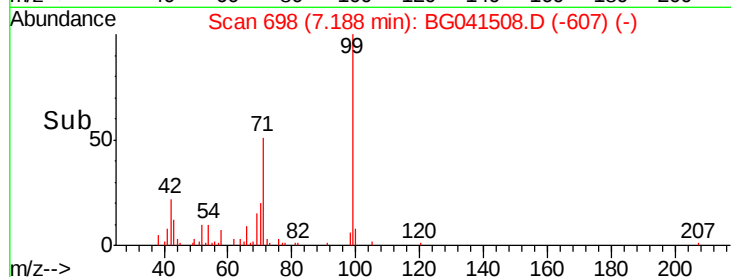
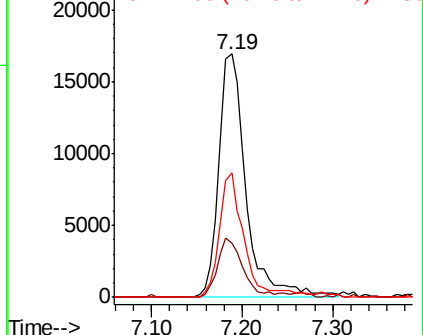
99 100

42 22.5 19.0 28.6

71 51.4 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



#18

Hexachloroethane

Concen: 31.986 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.03 min

Lab File: BG041508.D

Acq: 28 Jun 2019 7:01

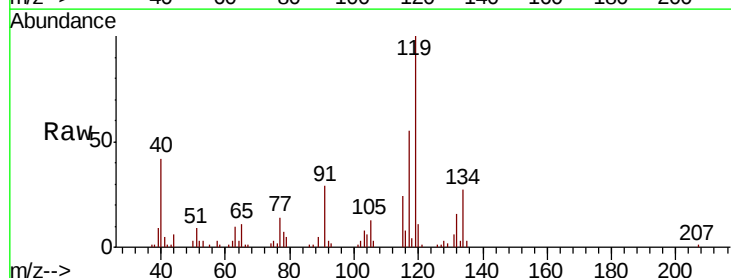
Tgt Ion: 117 Resp: 27707

Ion Ratio Lower Upper

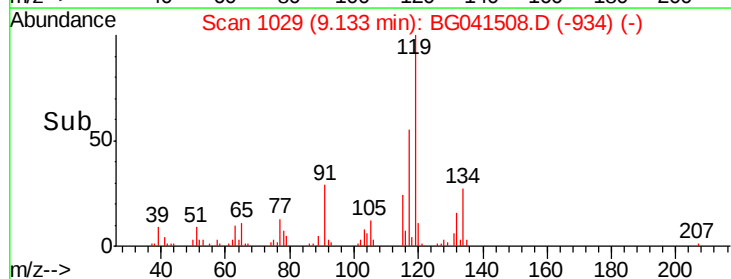
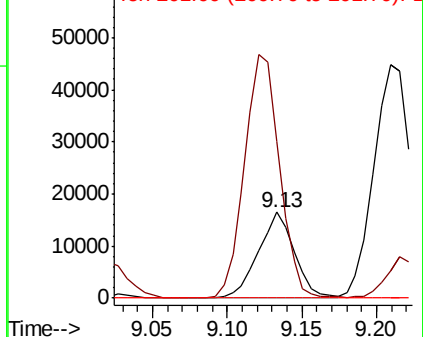
117 100

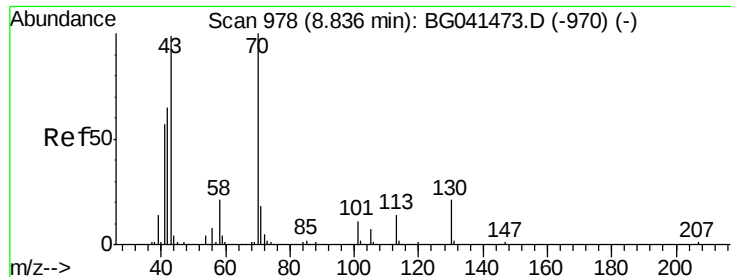
119 182.7 74.3 111.5#

201 0.0 102.3 153.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

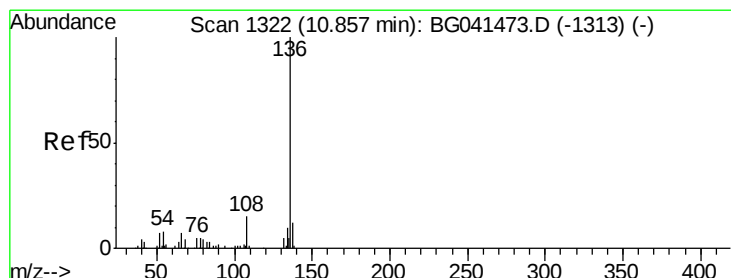
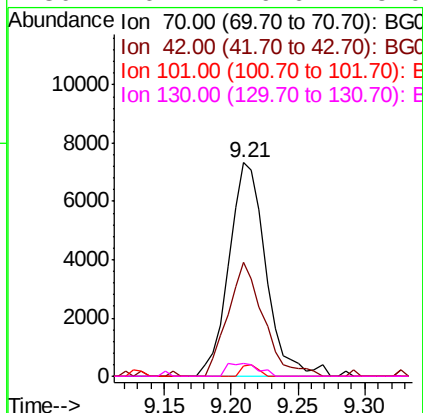
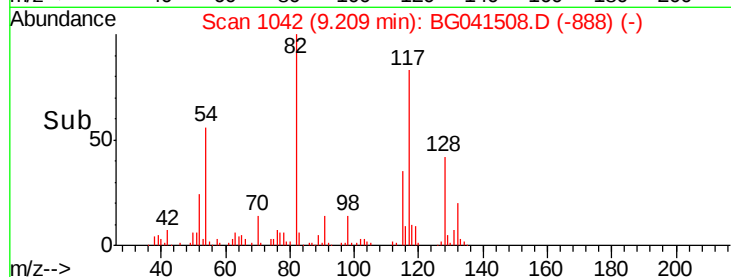
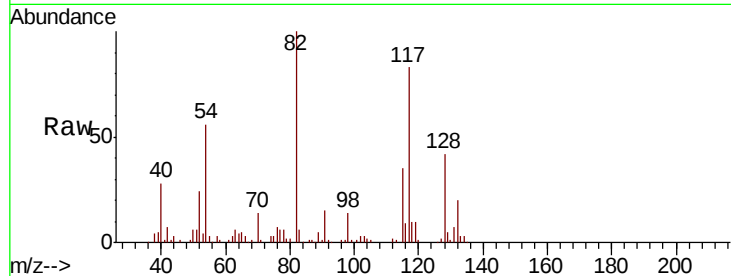




#19
n-Nitroso-di-n-propylamine
Concen: 8.949 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.37 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

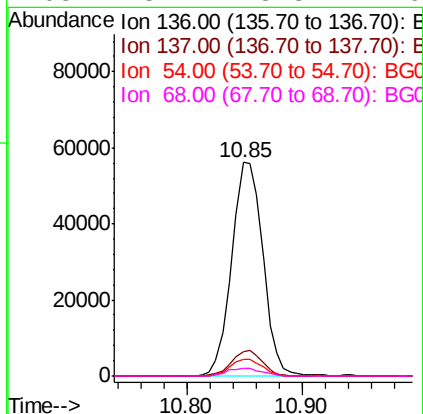
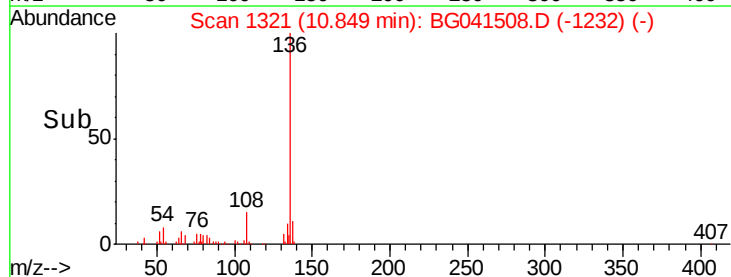
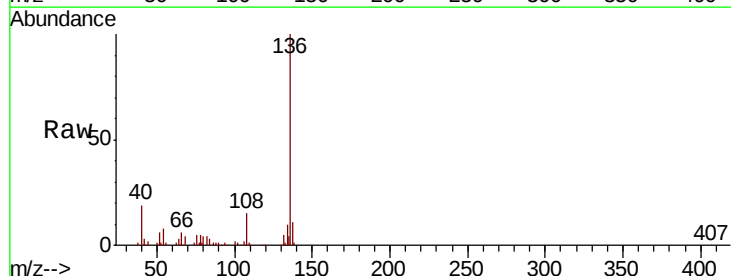
Instrument :
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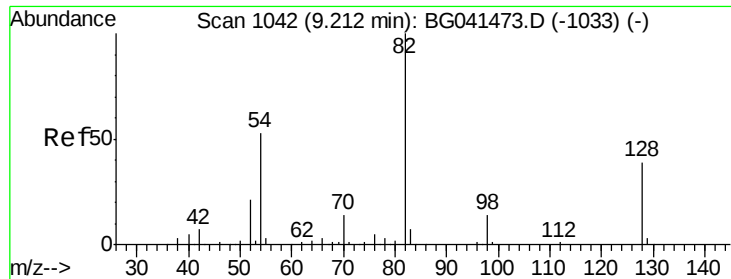
Tgt Ion: 70 Resp: 14106
Ion Ratio Lower Upper
70 100
42 53.4 52.6 78.8
101 4.6 8.6 13.0#
130 6.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Tgt Ion: 136 Resp: 105134
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 8.1 7.1 10.7
68 3.7 3.3 4.9

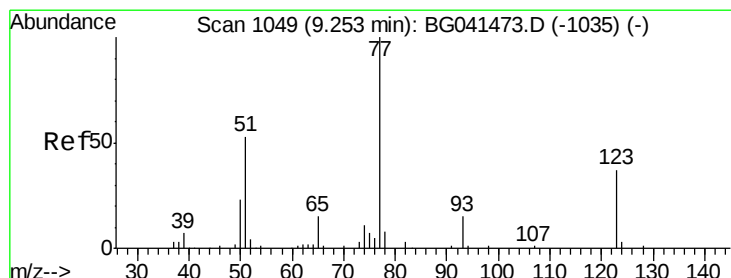
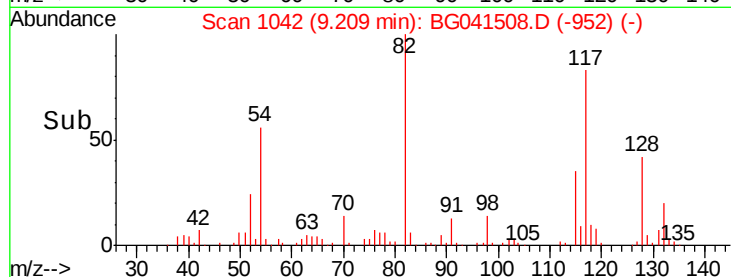
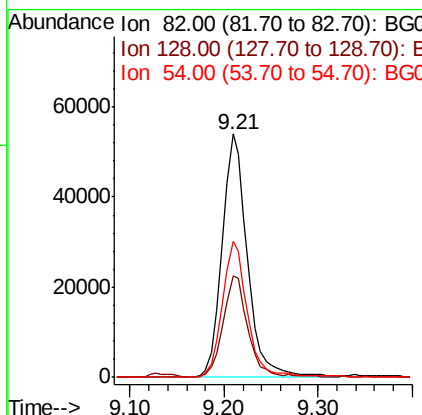
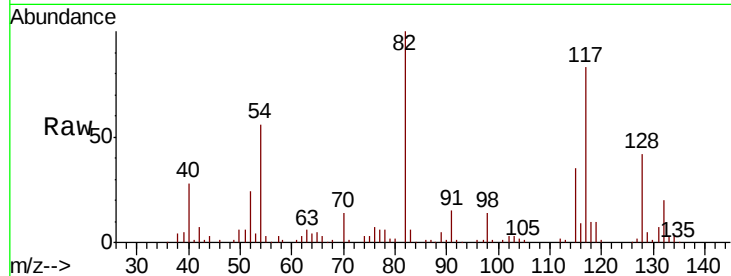




#23
Nitrobenzene-d5
Concen: 40.161 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

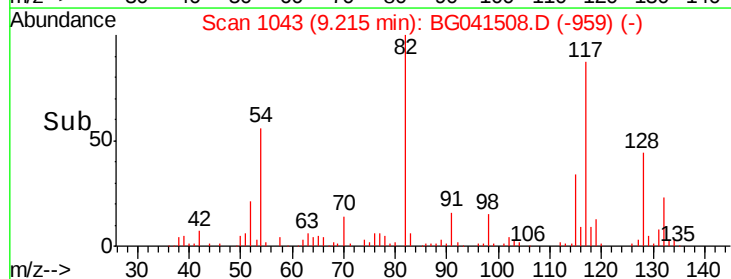
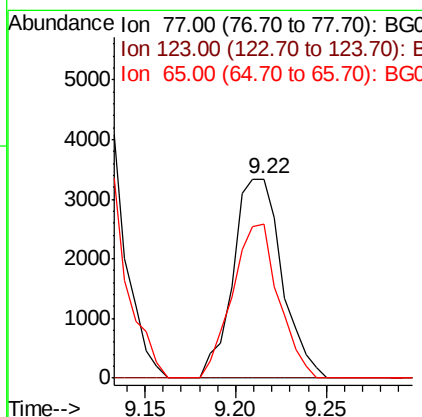
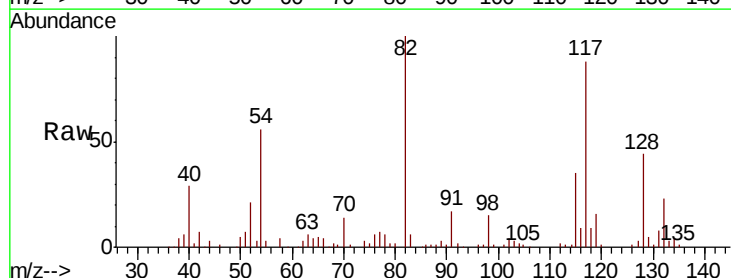
Instrument :
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ClientSampleId :
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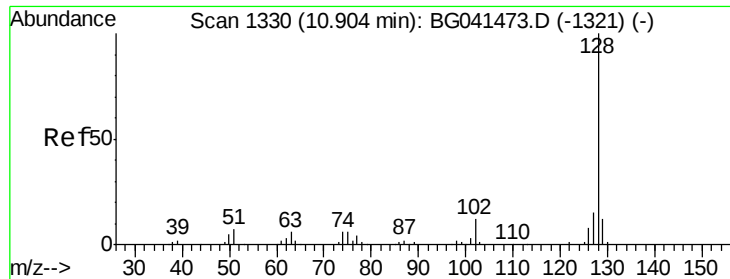
Tgt Ion: 82 Resp: 101236
Ion Ratio Lower Upper
82 100
128 41.8 30.9 46.3
54 56.0 42.2 63.2



#24
Nitrobenzene
Concen: 2.471 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.04 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Tgt Ion: 77 Resp: 6252
Ion Ratio Lower Upper
77 100
123 0.0 29.9 44.9#
65 77.3 12.2 18.4#

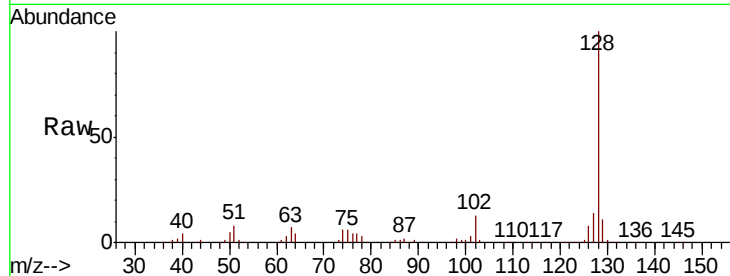




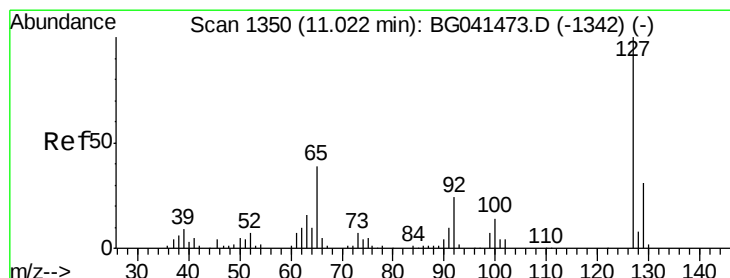
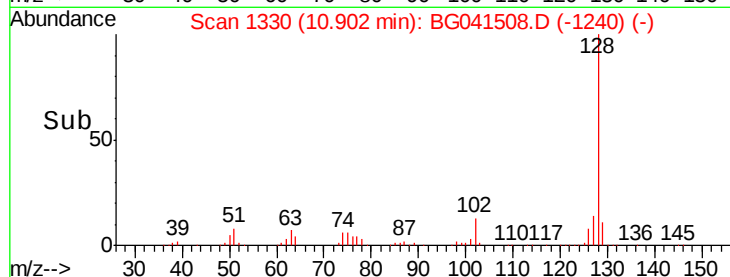
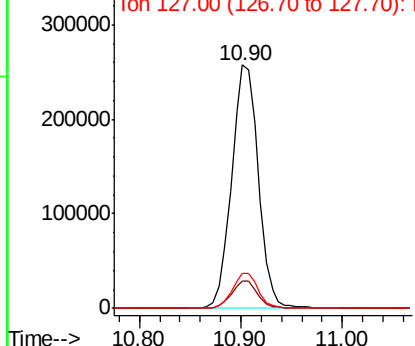
#31
Naphthalene
Concen: 80.866 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 470168
Ion Ratio Lower Upper
128 100
129 11.3 9.7 14.5
127 14.4 11.6 17.4

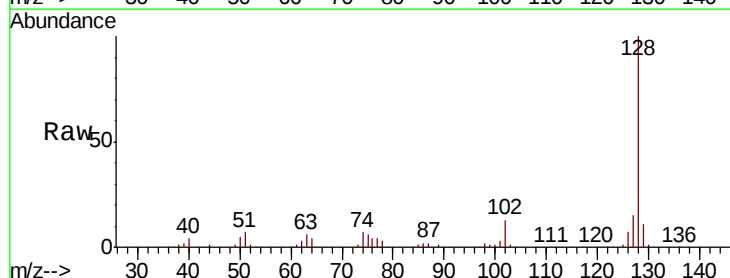


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

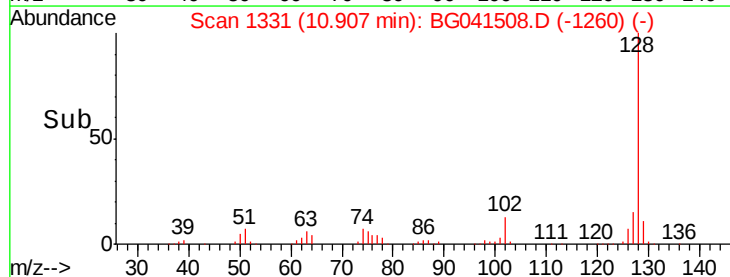
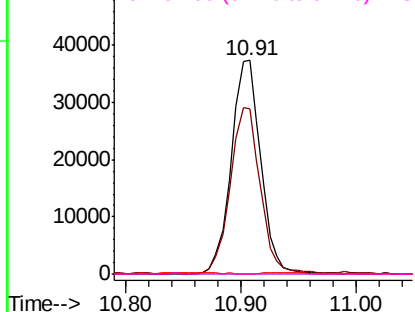


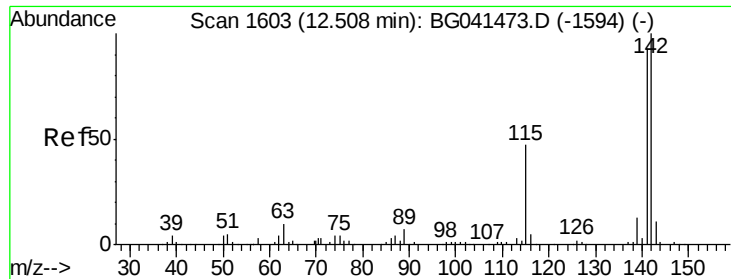
#33
4-Chloroaniline
Concen: 26.999 ng
RT: 10.91 min Scan# 1331
Delta R.T. -0.11 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Tgt Ion:127 Resp: 66080
Ion Ratio Lower Upper
127 100
129 77.2 24.6 37.0#
65 0.0 31.5 47.3#
92 0.0 18.9 28.3#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

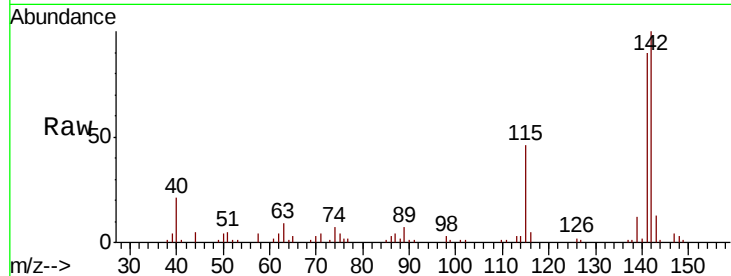




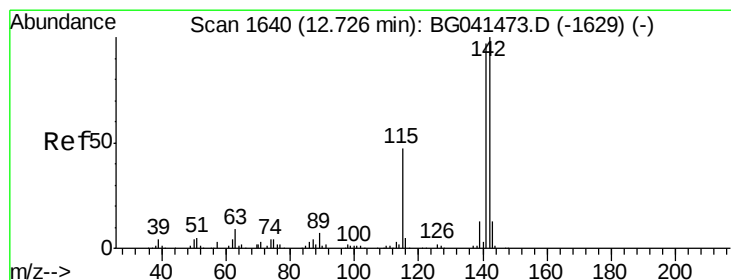
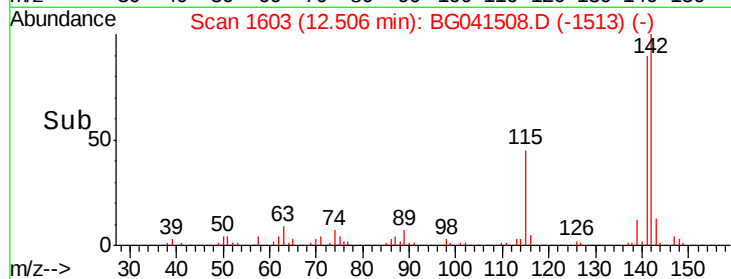
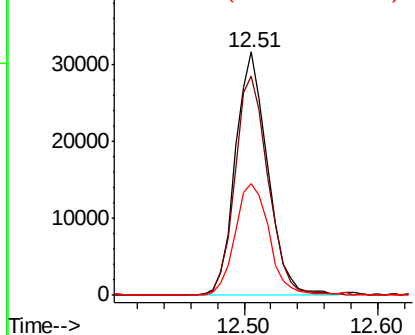
#37
2-Methylnaphthalene
Concen: 12.385 ng
RT: 12.51 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 53197
Ion Ratio Lower Upper
142 100
141 89.9 74.8 112.2
115 46.0 38.0 57.0

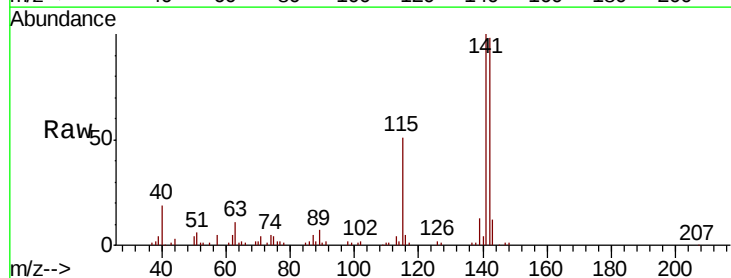


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

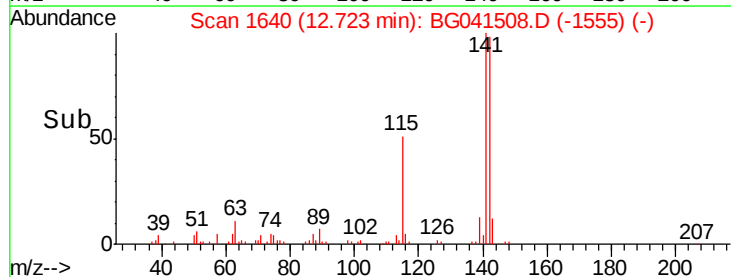
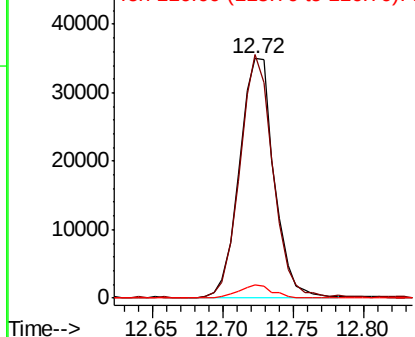


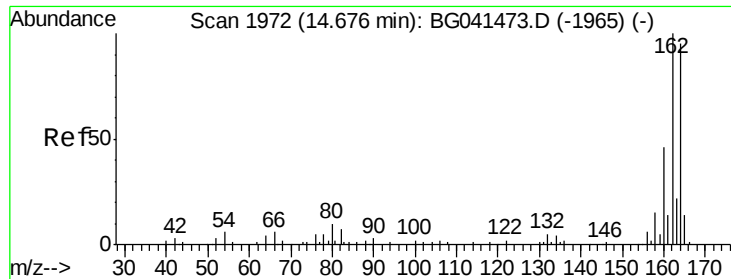
#38
1-Methylnaphthalene
Concen: 14.707 ng
RT: 12.72 min Scan# 1640
Delta R.T. -0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Tgt Ion:142 Resp: 60268
Ion Ratio Lower Upper
142 100
141 101.6 77.4 116.2
116 5.4 3.8 5.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041508.D

Acq: 28 Jun 2019 7:01

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

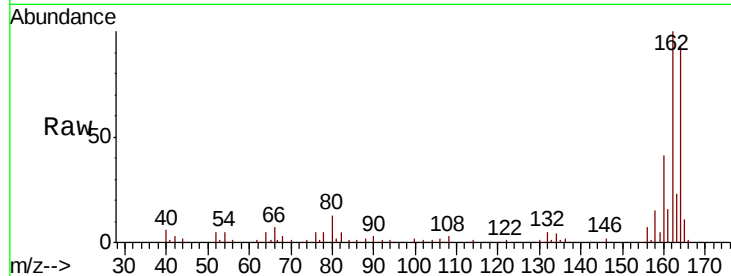
Tgt Ion:164 Resp: 78834

Ion Ratio Lower Upper

164 100

162 107.8 84.4 126.6

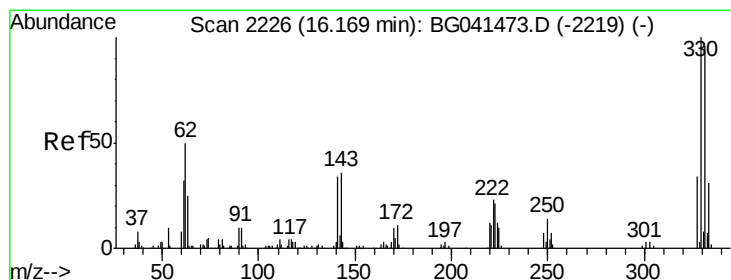
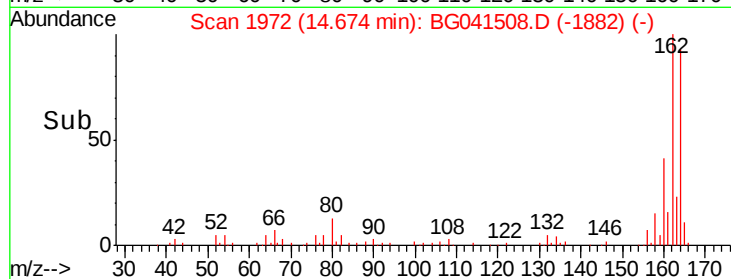
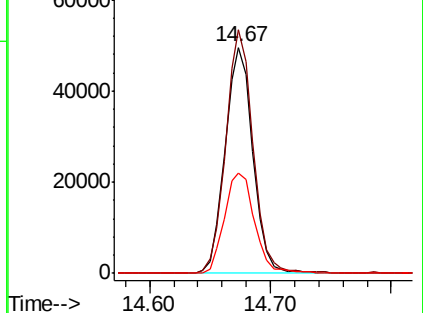
160 44.5 38.8 58.2



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: 59.826 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041508.D

Acq: 28 Jun 2019 7:01

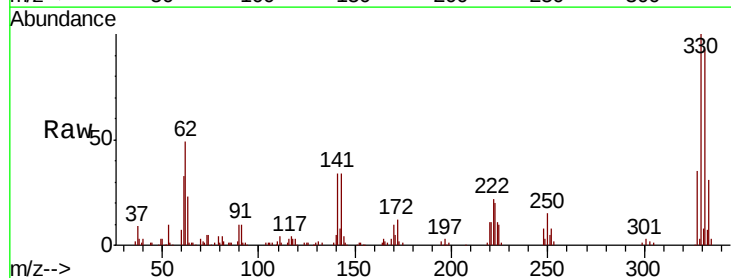
Tgt Ion:330 Resp: 80528

Ion Ratio Lower Upper

330 100

332 92.8 75.5 113.3

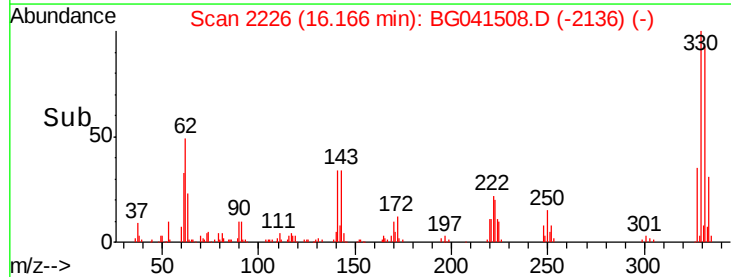
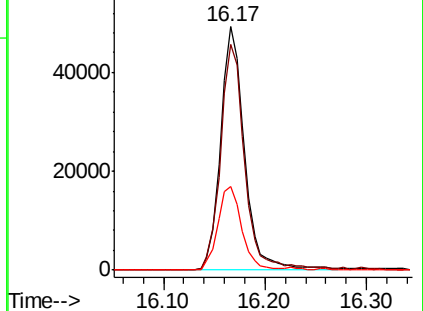
141 35.1 27.8 41.6

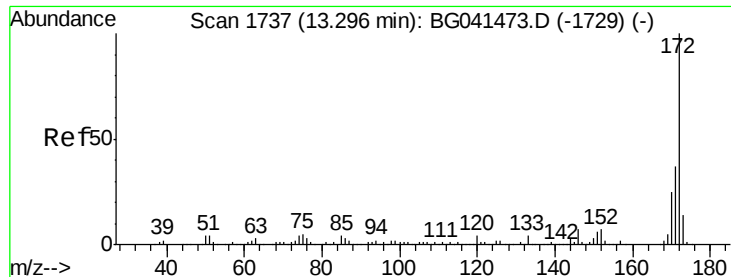


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

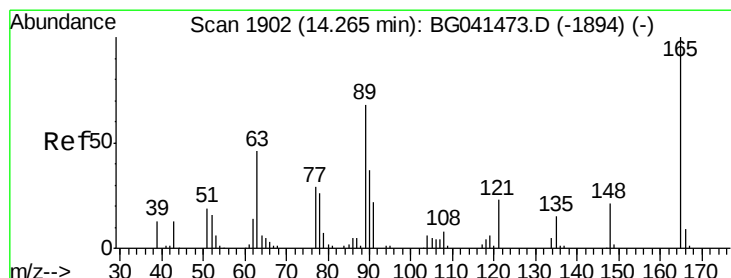
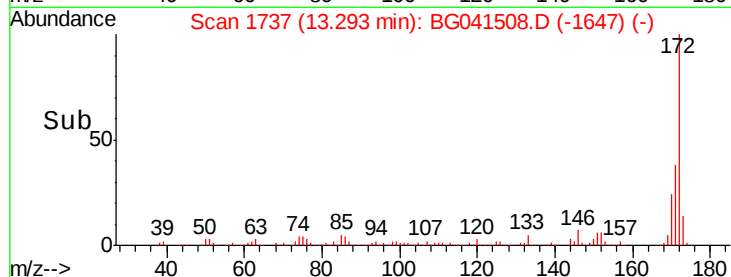
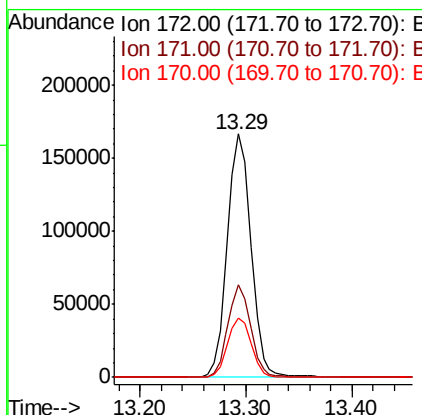
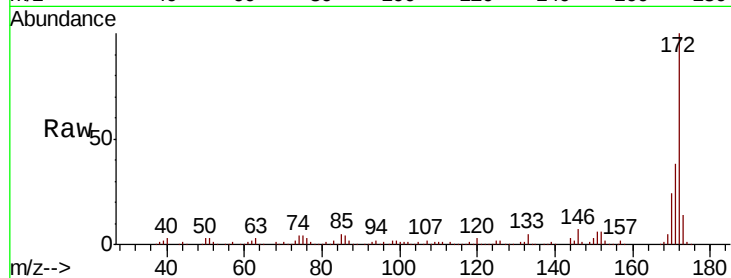




#45
 2-Fluorobiphenyl
 Concen: 42.062 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041508.D
 Acq: 28 Jun 2019 7:01

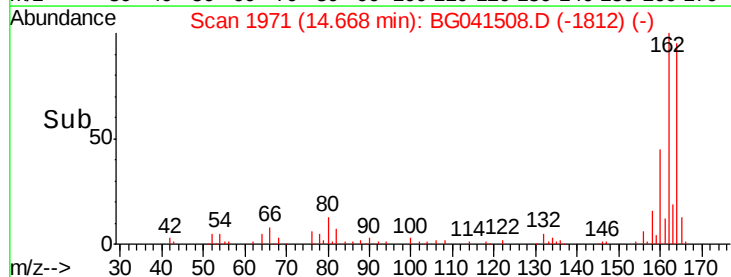
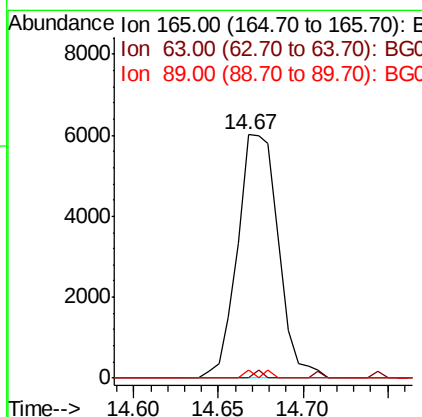
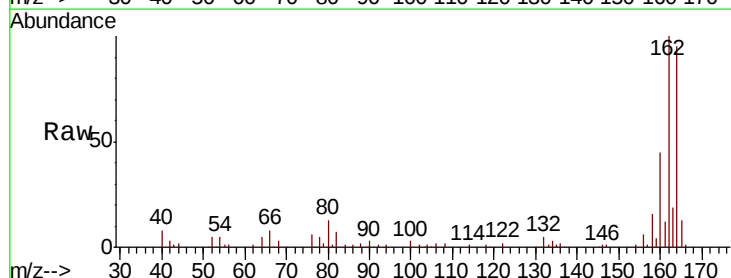
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

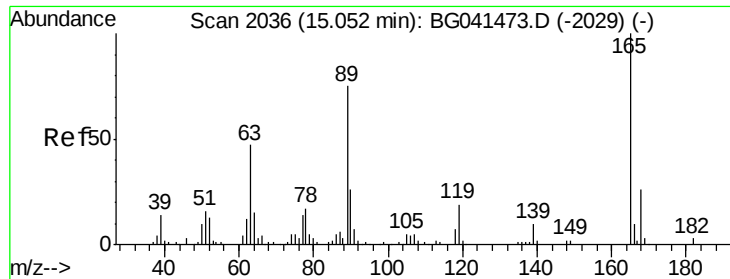
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.6	44.4
170	24.4	20.0	30.0



#51
 2,6-Dinitrotoluene
 Concen: 6.652 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG041508.D
 Acq: 28 Jun 2019 7:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	56.4	84.6#
89	3.6	54.6	81.8#

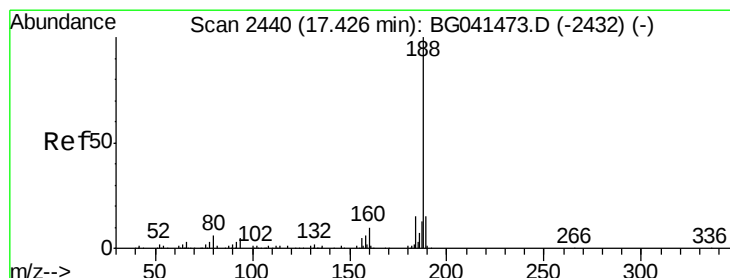
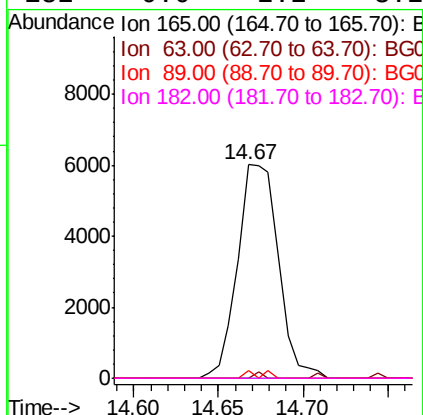
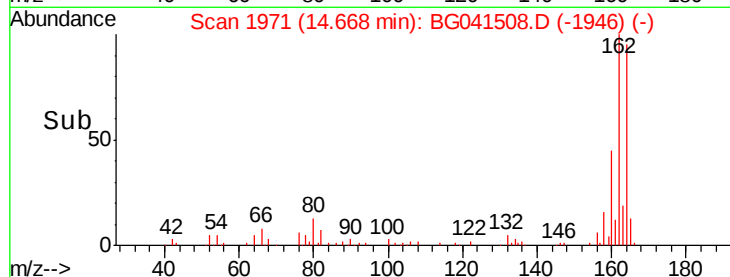
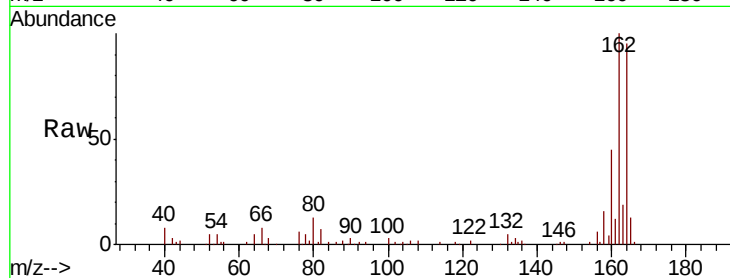




#57
2,4-Dinitrotoluene
Concen: 4.585 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.38 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

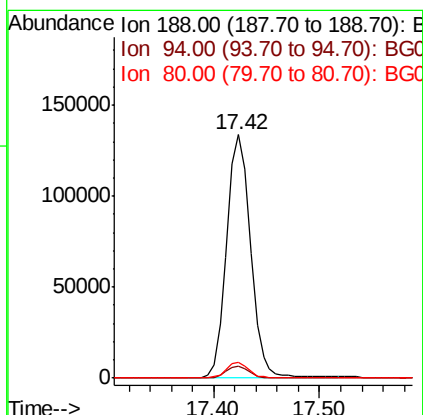
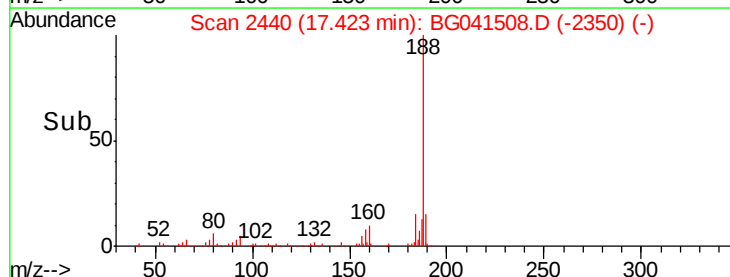
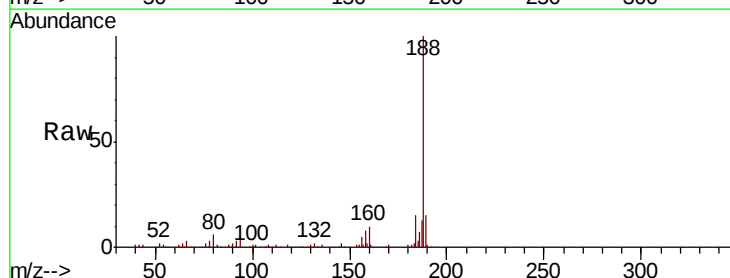
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

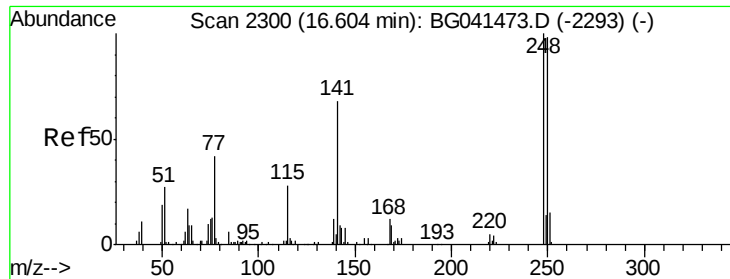
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.8	58.2#
89	3.6	60.1	90.1#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.9	3.8	5.8
80	6.5	4.8	7.2

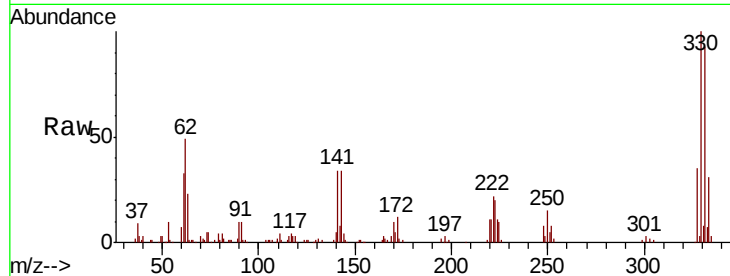




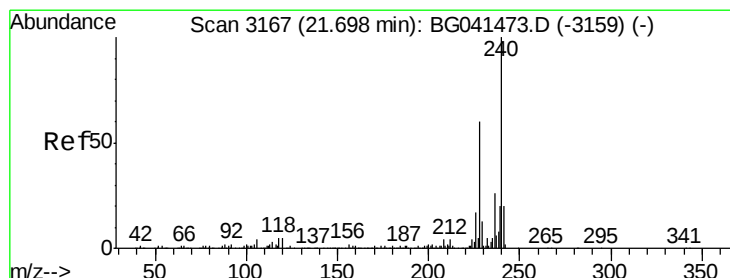
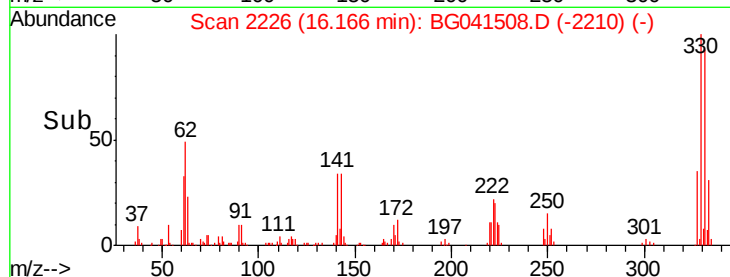
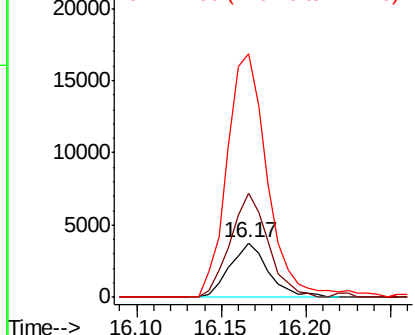
#67
4-Bromophenyl-phenylether
Concen: 2.080 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.44 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 6008
Ion Ratio Lower Upper
248 100
250 138.2 78.1 117.1#
141 324.7 54.1 81.1#

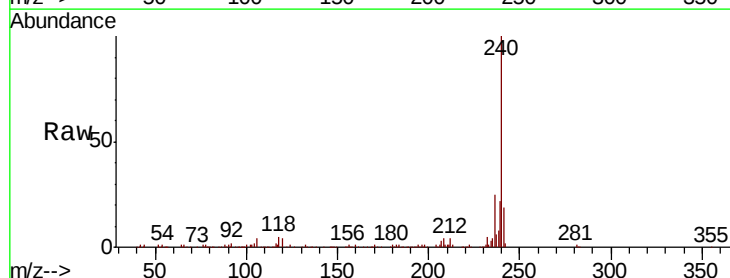


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

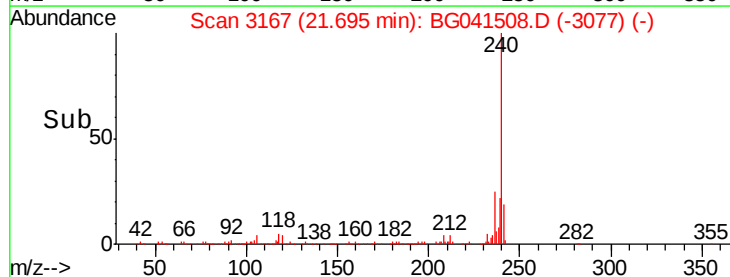
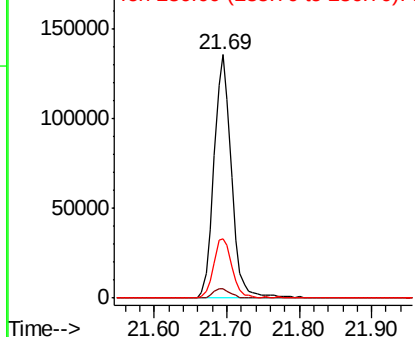


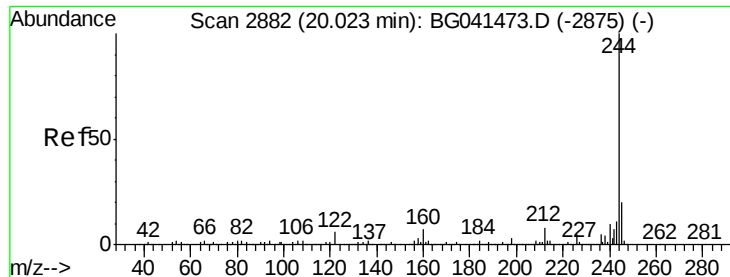
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041508.D
Acq: 28 Jun 2019 7:01

Tgt Ion:240 Resp: 227293
Ion Ratio Lower Upper
240 100
120 3.7 3.7 5.5
236 24.6 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 51.125 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG041508.D

Acq: 28 Jun 2019 7:01

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

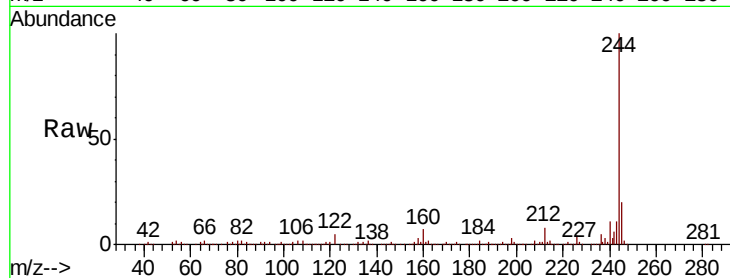
Tgt Ion:244 Resp: 546814

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.4

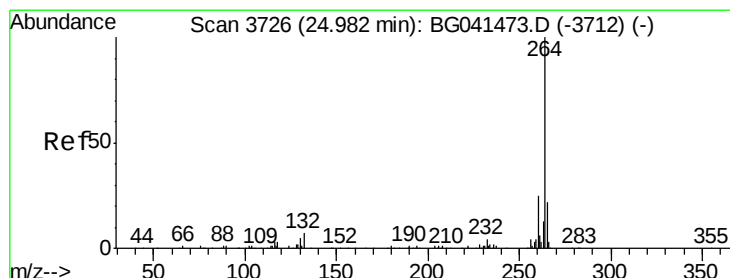
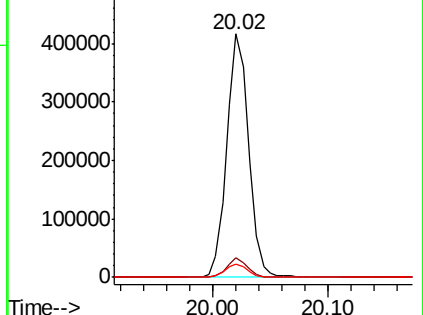
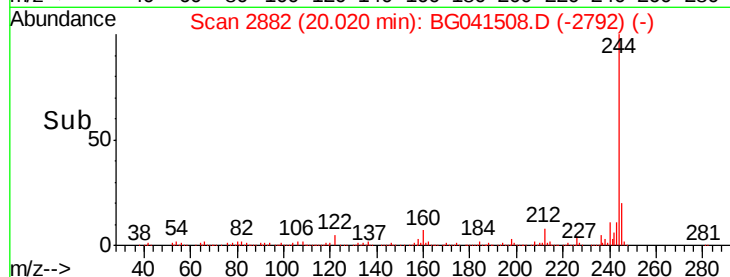
122 5.3 4.8 7.2



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: BG041508.D

Acq: 28 Jun 2019 7:01

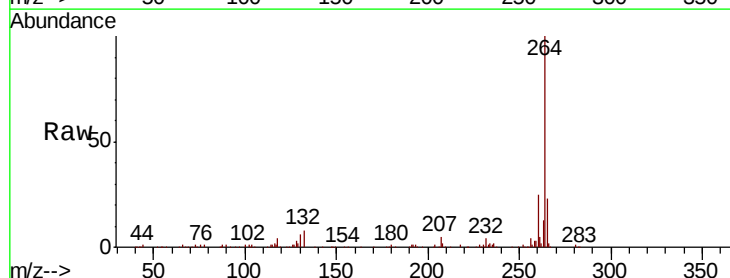
Tgt Ion:264 Resp: 233944

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

265 23.2 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

