

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121818\
 Data File : BG038715.D
 Acq On : 19 Dec 2018 5:52
 Operator : JU/SJ
 Sample : J6429-04RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES

Quant Time: Dec 19 07:03:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23222	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	93631	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	61598	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	165544	20.00	ng	0.00
76) Chrysene-d12	21.72	240	179953	20.00	ng	0.00
87) Perylene-d12	25.01	264	182597	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	153112	116.94	ng	0.00
7) Phenol-d6	7.21	99	185168	103.02	ng	0.00
23) Nitrobenzene-d5	9.23	82	147909	80.70	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	113404	133.58	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	377031	83.97	ng	0.00
79) Terphenyl-d14	20.04	244	783642	94.77	ng	0.00

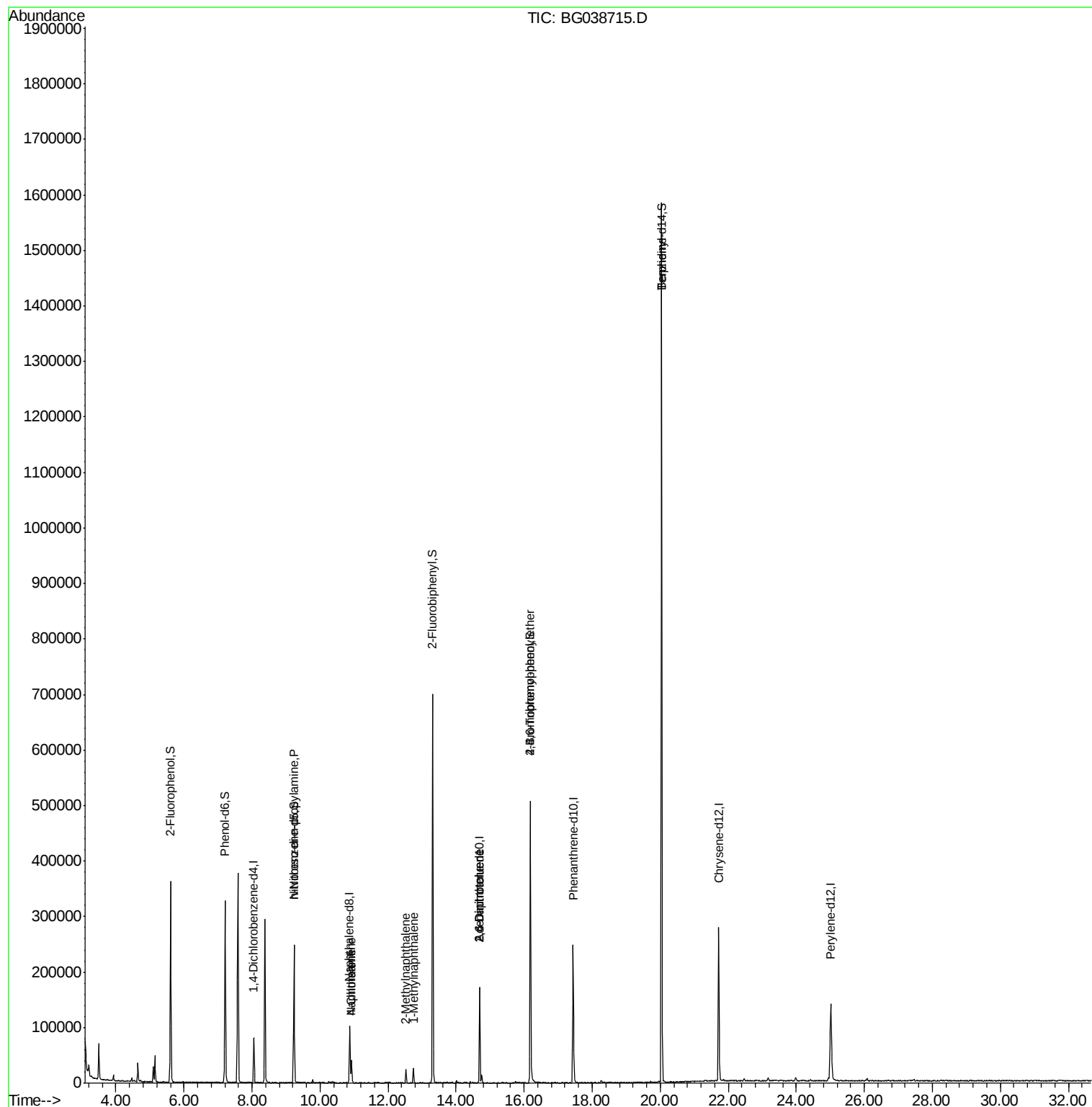
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.23	70	19916	15.777	ng	# 65
31) Naphthalene	10.93	128	35868	7.775	ng	98
33) 4-Chloroaniline	10.92	127	4561	2.277	ng	# 30
37) 2-Methylnaphthalene	12.52	142	13223	4.018	ng	94
38) 1-Methylnaphthalene	12.75	142	14059	4.402	ng	97
51) 2,6-Dinitrotoluene	14.69	165	7741	6.791	ng	# 24
57) 2,4-Dinitrotoluene	14.69	165	7741	4.821	ng	# 25
67) 4-Bromophenyl-phenylether	16.18	248	7064	3.494	ng	# 1
77) Benzidine	20.04	184	13569	2.550	ng	# 94

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

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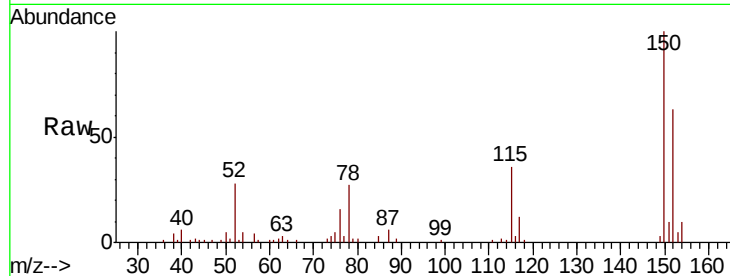


#1

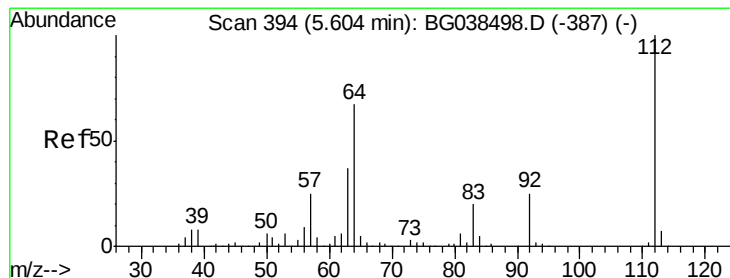
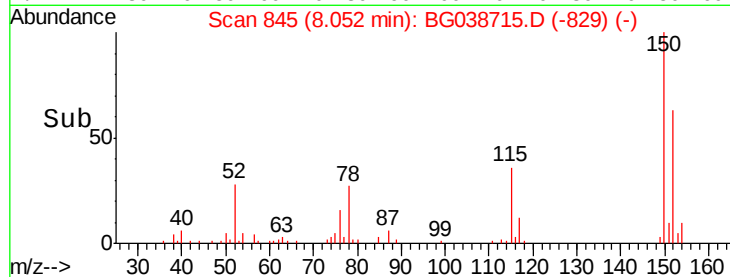
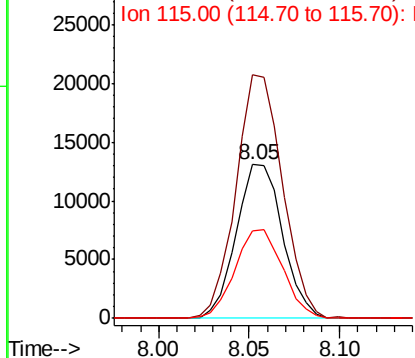
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038715.D
Acq: 19 Dec 2018 5:52

Instrument :
BNA_G
ClientSampleId :
OILY-STONES

Tgt Ion:152 Resp: 23222
Ion Ratio Lower Upper
152 100
150 158.6 119.5 179.3
115 56.8 49.6 74.4



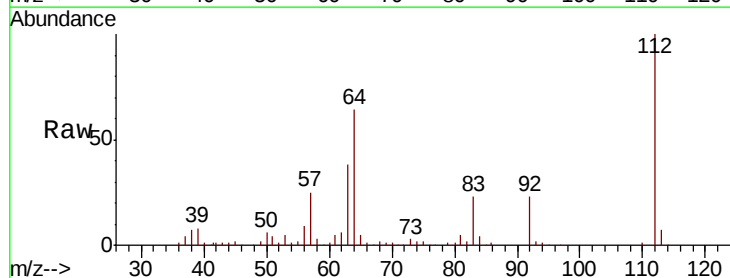
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



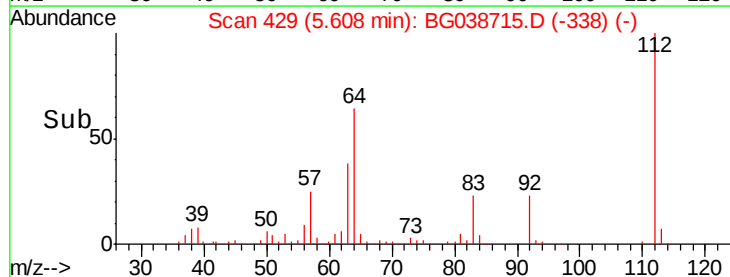
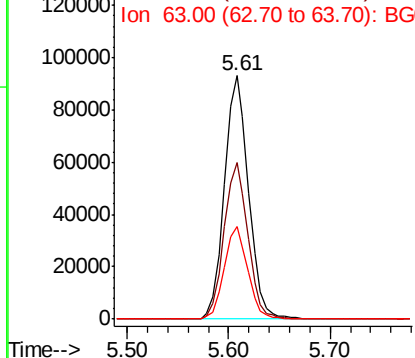
#5

2-Fluorophenol
Concen: 116.944 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038715.D
Acq: 19 Dec 2018 5:52

Tgt Ion:112 Resp: 153112
Ion Ratio Lower Upper
112 100
64 64.4 53.4 80.2
63 37.8 29.3 43.9



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: 103.021 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038715.D

Acq: 19 Dec 2018 5:52

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

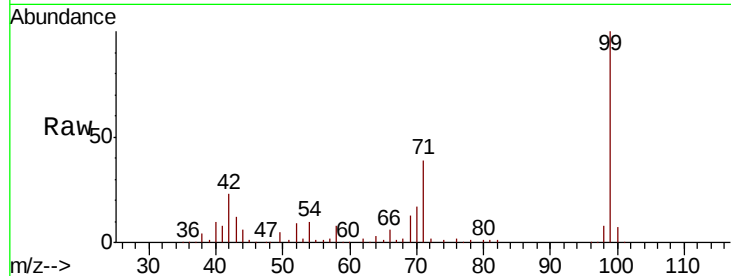
Tgt Ion: 99 Resp: 185168

Ion Ratio Lower Upper

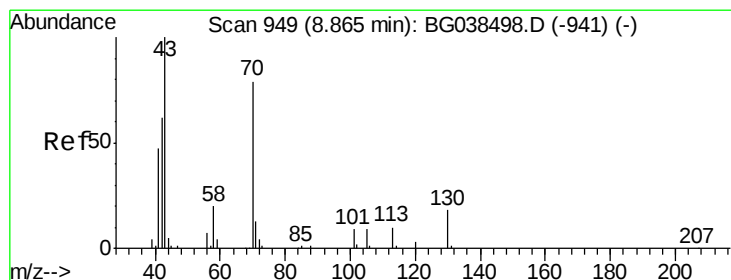
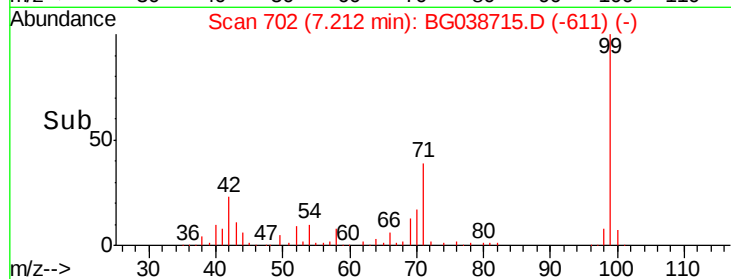
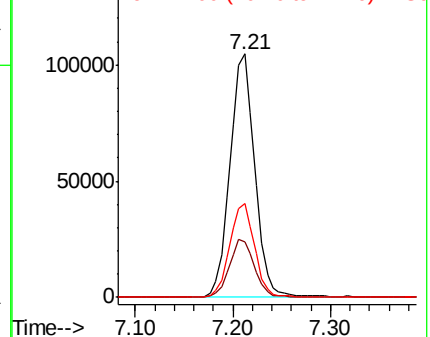
99 100

42 22.6 18.5 27.7

71 38.5 31.1 46.7



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: 15.777 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038715.D

Acq: 19 Dec 2018 5:52

Tgt Ion: 70 Resp: 19916

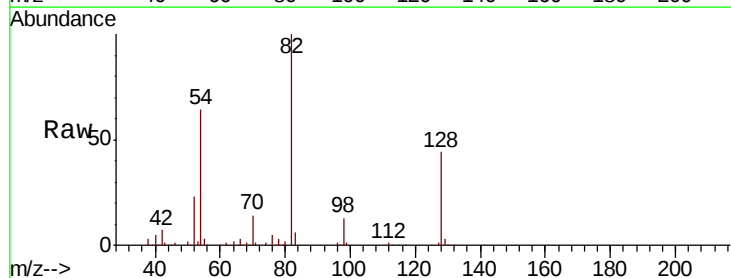
Ion Ratio Lower Upper

70 100

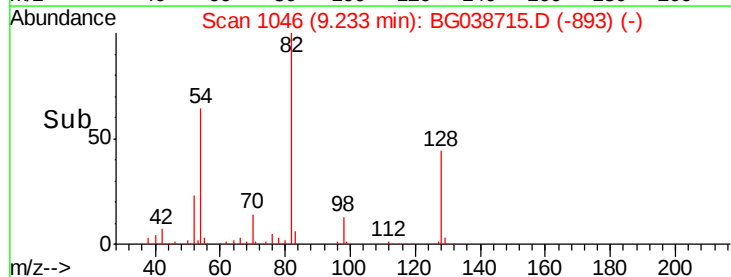
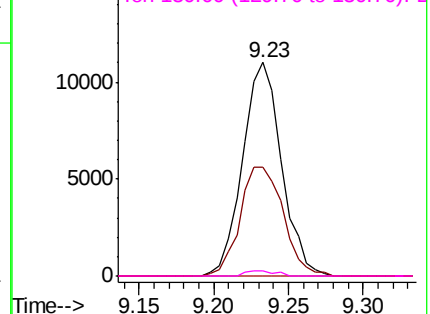
42 50.7 63.6 95.4#

101 0.0 9.2 13.8#

130 2.2 18.5 27.7#



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

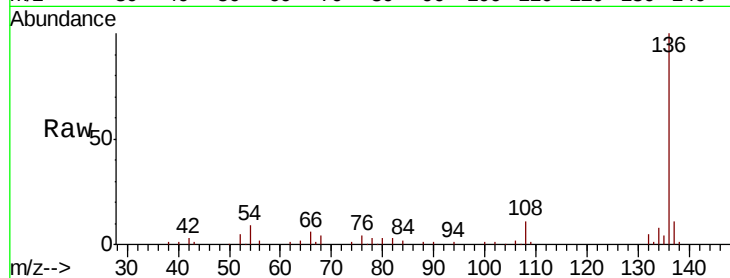




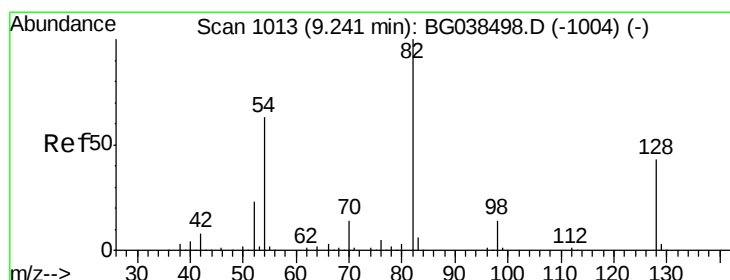
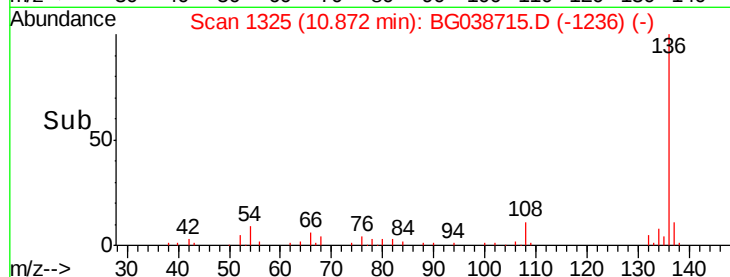
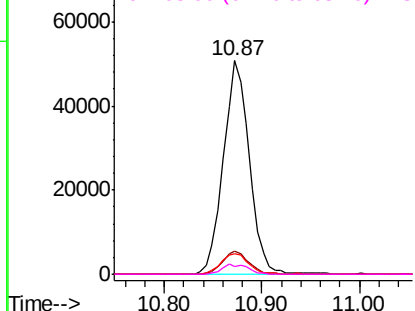
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038715.D
Acq: 19 Dec 2018 5:52

Instrument :
BNA_G
ClientSampleId :
OILY-STONES

Tgt Ion:	136	Resp:	93631
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	9.4	8.5	12.7
68	3.6	3.5	5.3

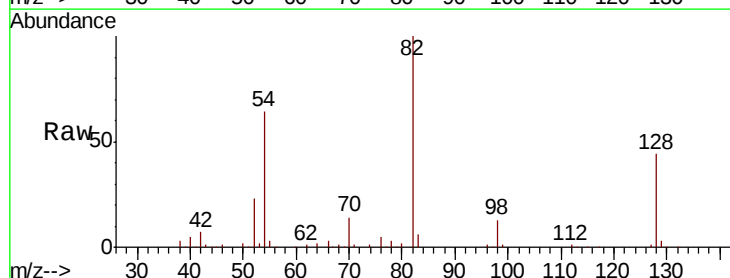


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

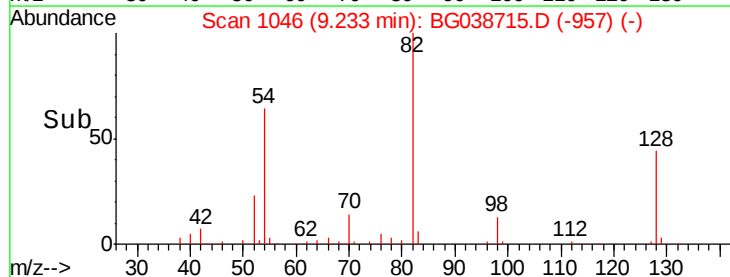
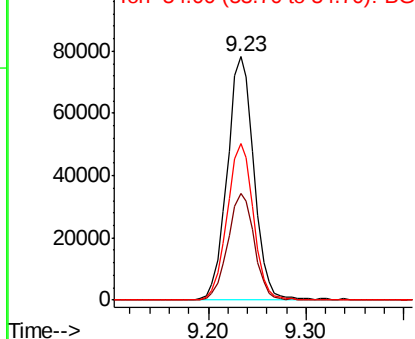


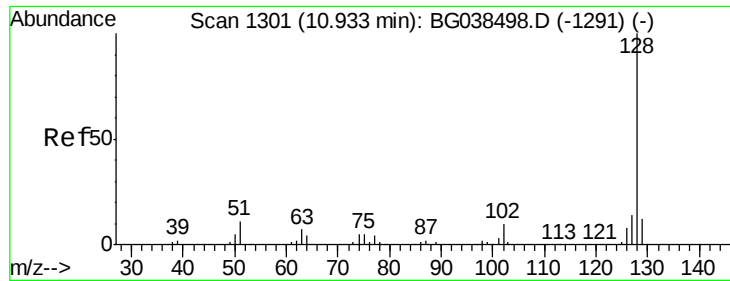
#23
Nitrobenzene-d5
Concen: 80.702 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038715.D
Acq: 19 Dec 2018 5:52

Tgt Ion:	82	Resp:	147909
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	64.2	50.6	76.0



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

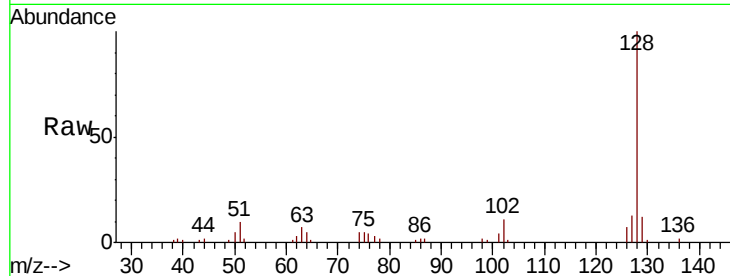




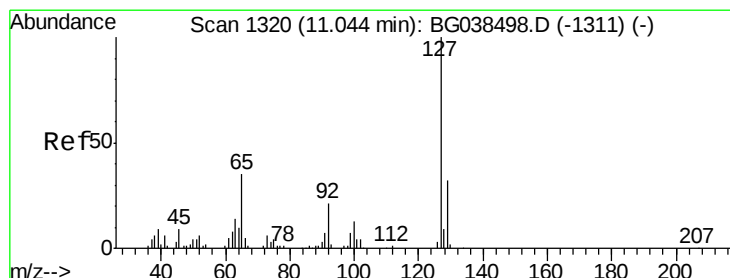
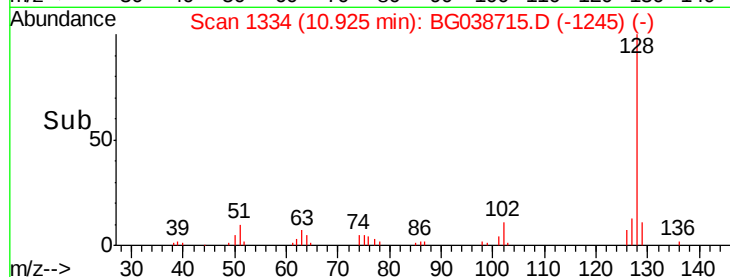
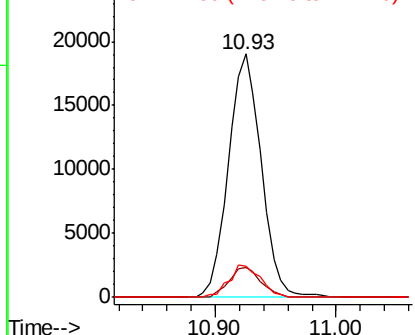
#31
Naphthalene
Concen: 7.775 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG038715.D
Acq: 19 Dec 2018 5:52

Instrument :
BNA_G
ClientSampleId :
OILY-STONES

Tgt Ion:128 Resp: 35868
Ion Ratio Lower Upper
128 100
129 12.5 9.5 14.3
127 12.8 10.9 16.3

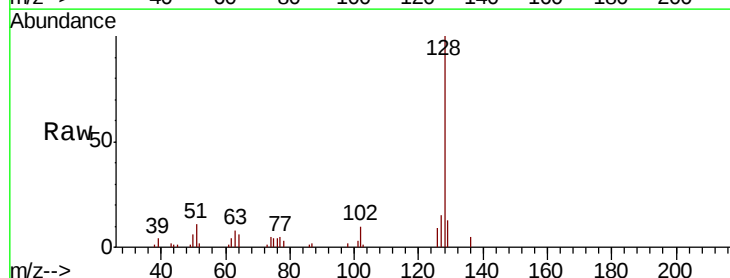


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

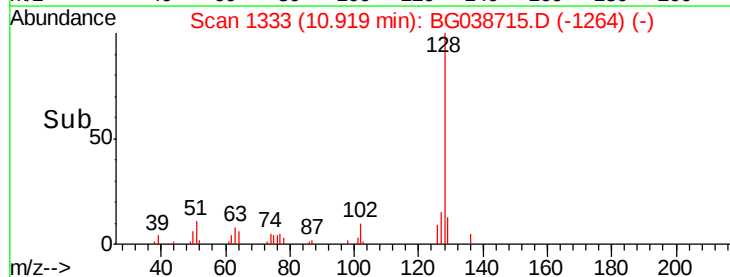
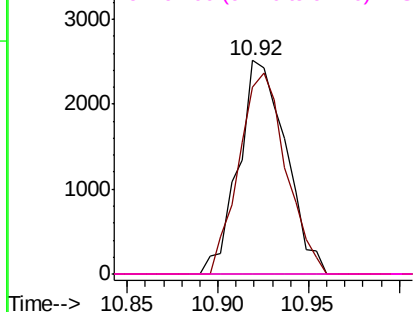


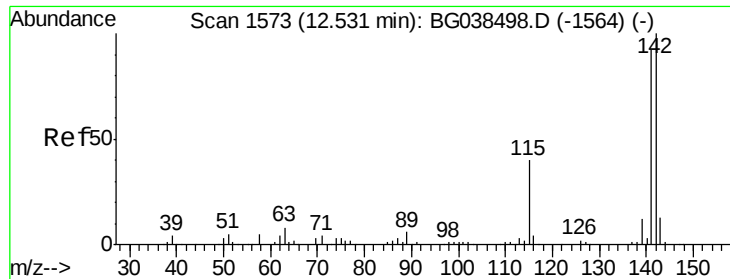
#33
4-Chloroaniline
Concen: 2.277 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.13 min
Lab File: BG038715.D
Acq: 19 Dec 2018 5:52

Tgt Ion:127 Resp: 4561
Ion Ratio Lower Upper
127 100
129 87.3 25.8 38.8#
65 0.0 27.8 41.6#
92 0.0 17.0 25.6#



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

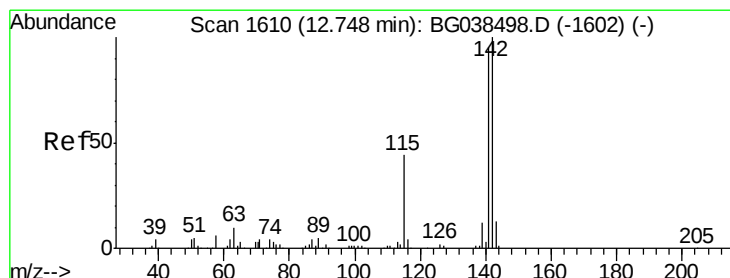
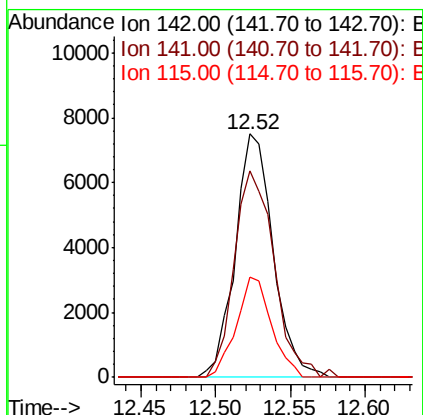
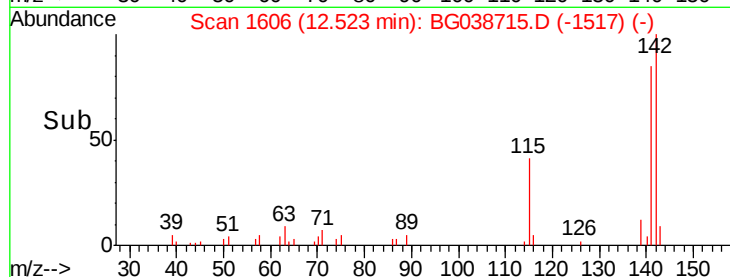
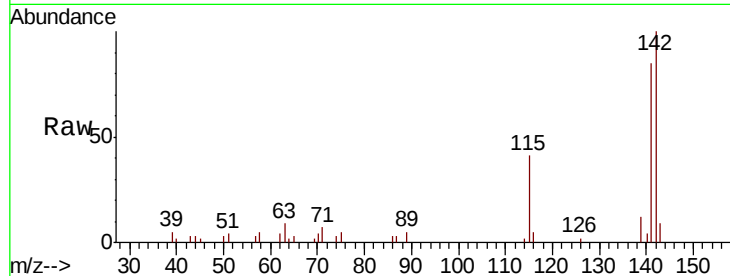




#37
 2-Methylnaphthalene
 Concen: 4.018 ng
 RT: 12.52 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

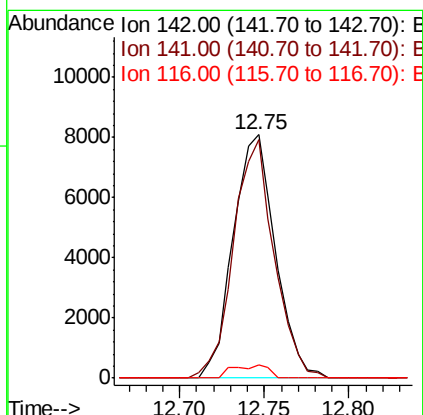
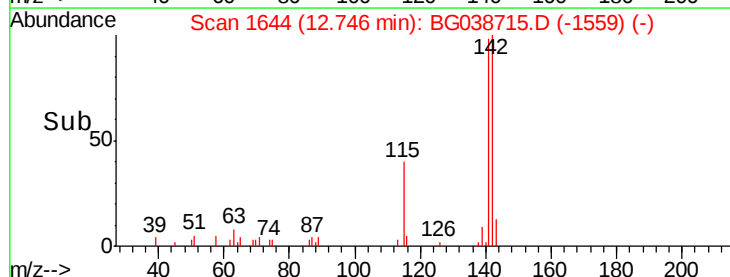
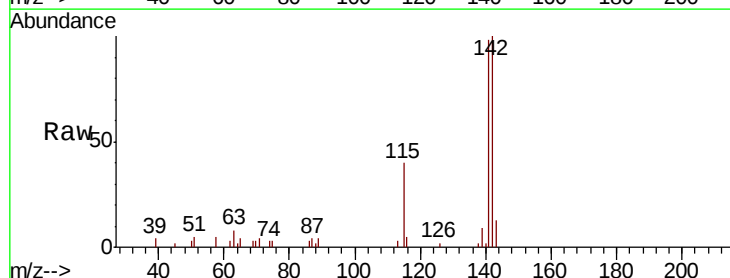
Instrument :
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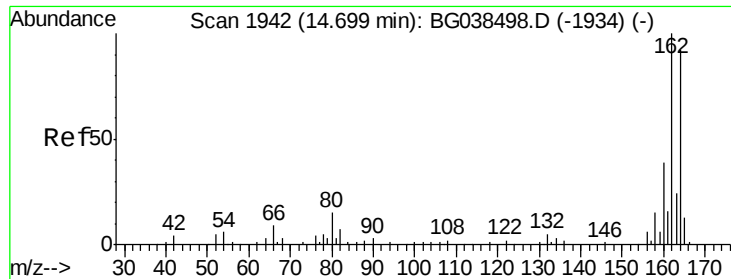
Tgt Ion:142 Resp: 13223
 Ion Ratio Lower Upper
 142 100
 141 84.6 73.5 110.3
 115 41.0 31.7 47.5



#38
 1-Methylnaphthalene
 Concen: 4.402 ng
 RT: 12.75 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

Tgt Ion:142 Resp: 14059
 Ion Ratio Lower Upper
 142 100
 141 98.0 75.8 113.8
 116 5.2 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038715.D

Acq: 19 Dec 2018 5:52

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

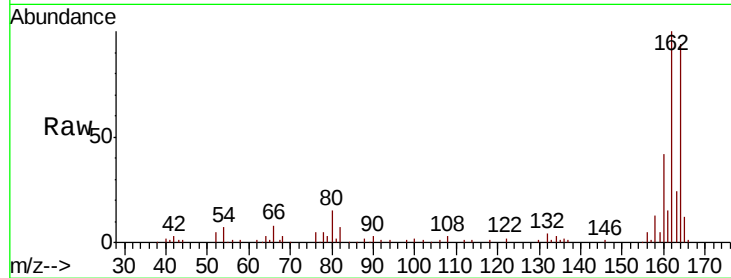
Tgt Ion:164 Resp: 61598

Ion Ratio Lower Upper

164 100

162 106.4 86.6 130.0

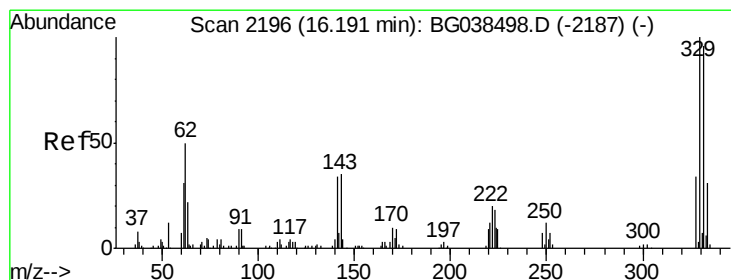
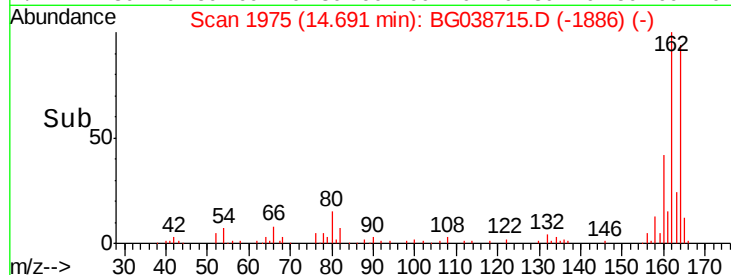
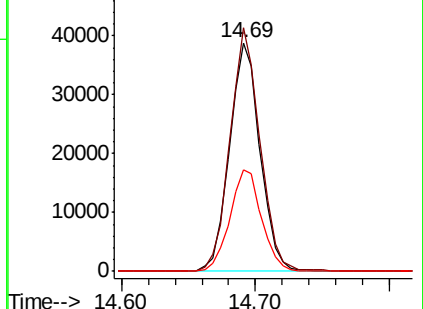
160 44.3 34.2 51.2



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: 133.584 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038715.D

Acq: 19 Dec 2018 5:52

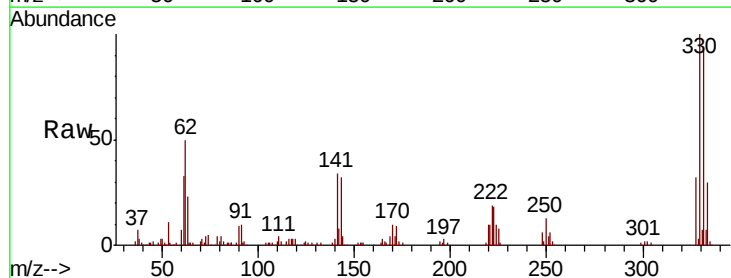
Tgt Ion:330 Resp: 113404

Ion Ratio Lower Upper

330 100

332 93.9 76.9 115.3

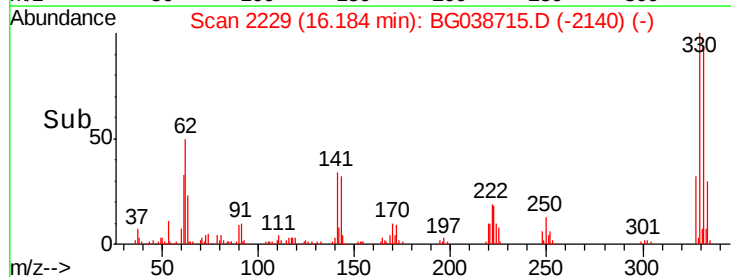
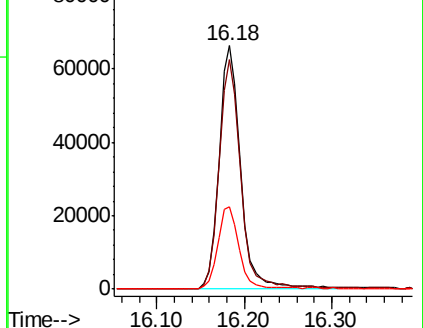
141 33.8 28.8 43.2

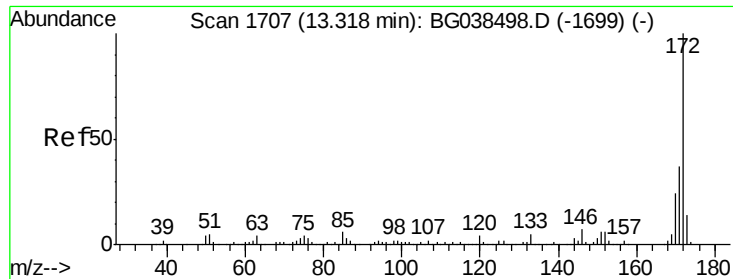


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

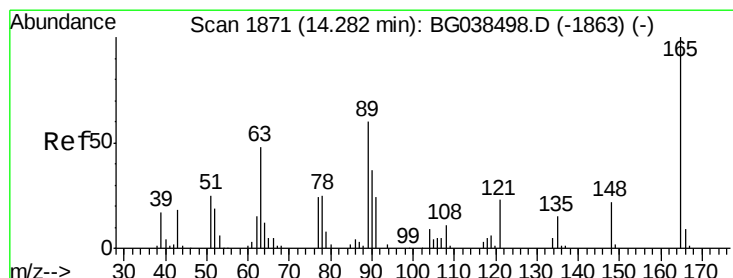
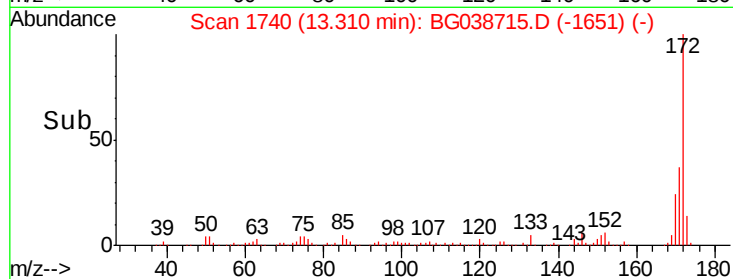
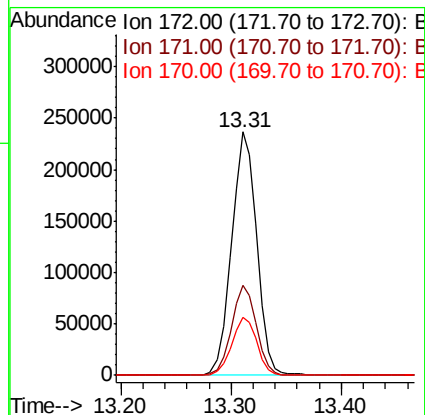
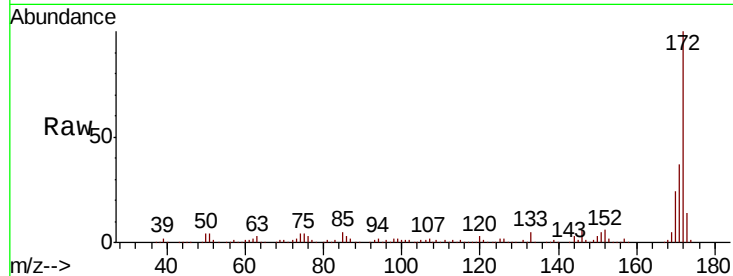




#45
 2-Fluorobiphenyl
 Concen: 83.969 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

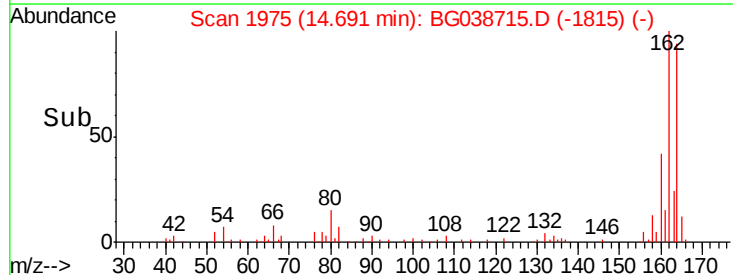
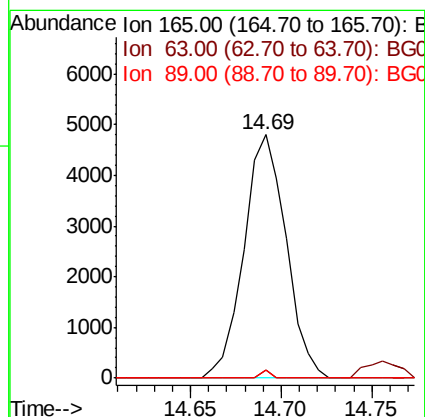
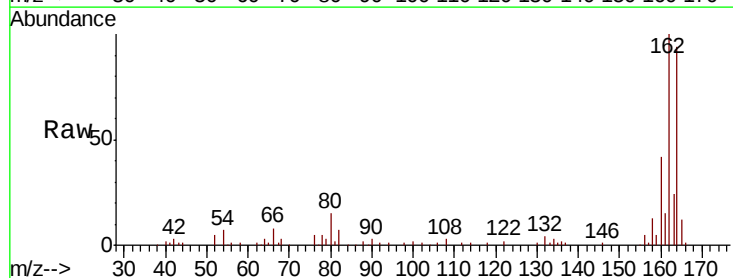
Instrument :
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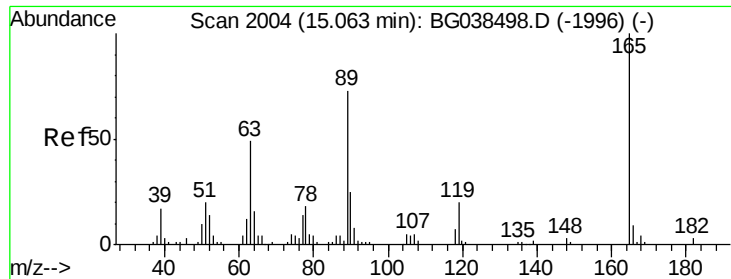
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	23.6	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.791 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.6	51.8	77.6#
89	3.2	47.9	71.9#

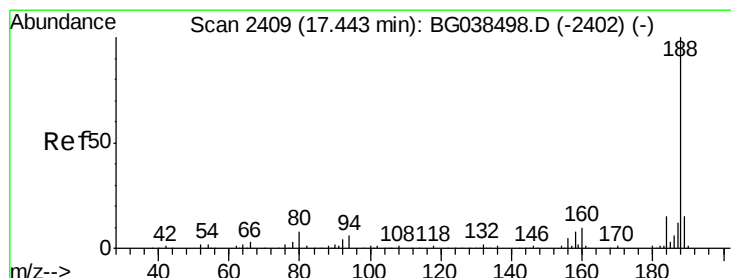
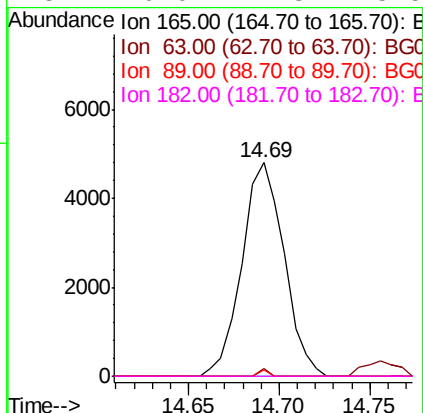
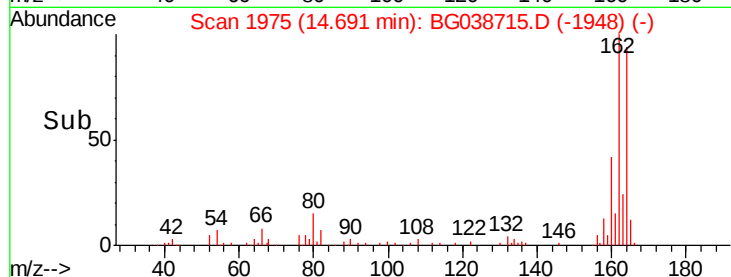
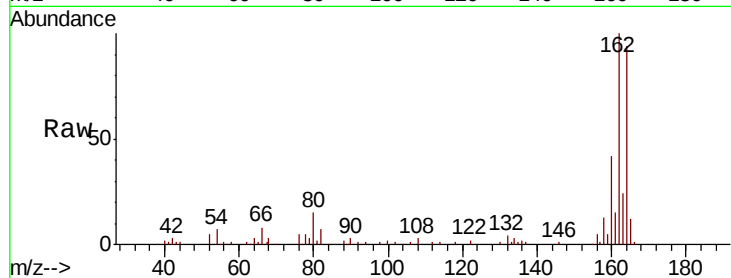




#57
 2,4-Dinitrotoluene
 Concen: 4.821 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

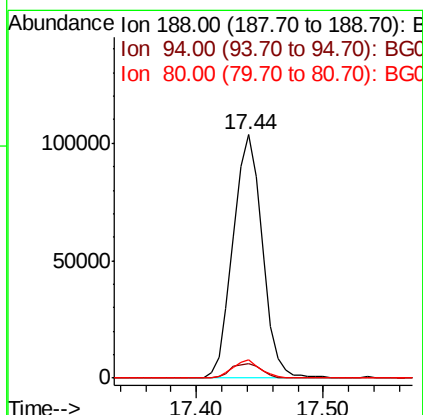
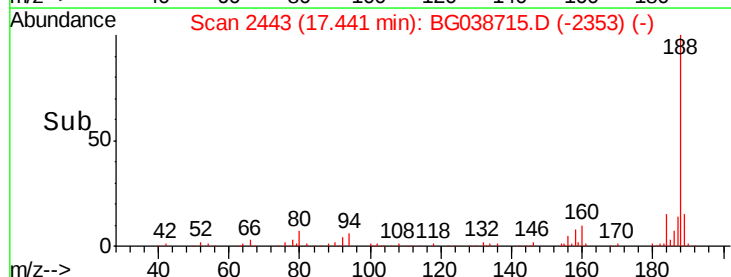
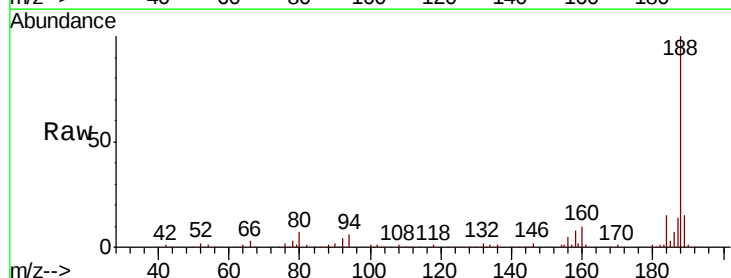
Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES

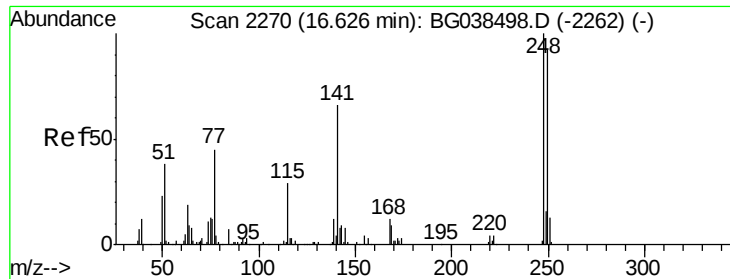
Tgt Ion:	165	Resp:	7741
Ion	Ratio	Lower	Upper
165	100		
63	3.6	39.0	58.4#
89	3.2	58.0	87.0#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

Tgt Ion:	188	Resp:	165544
Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.1	7.7
80	7.4	6.1	9.1

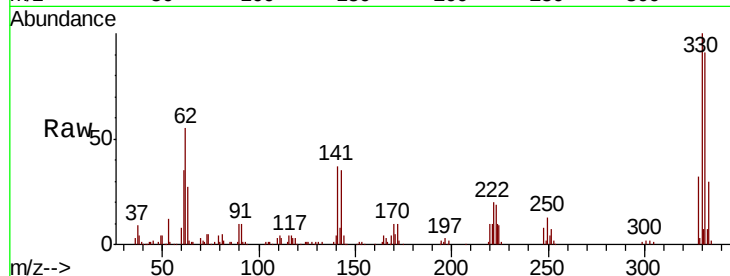




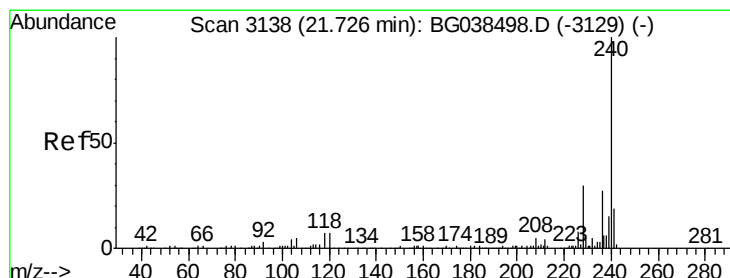
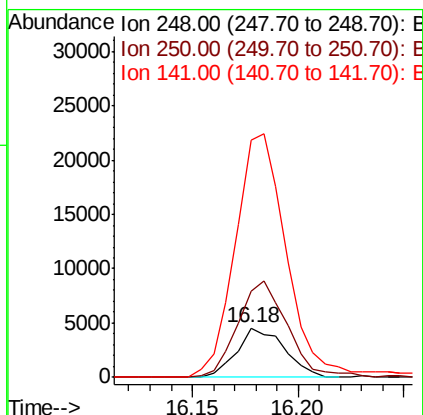
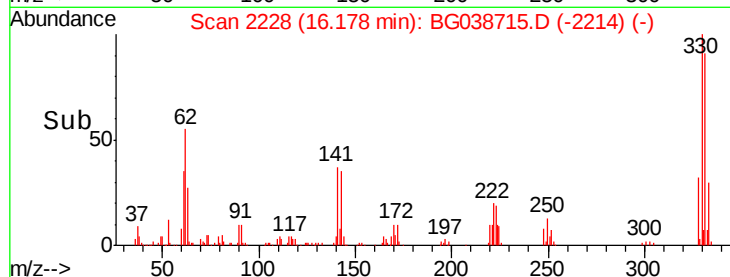
#67
 4-Bromophenyl-phenylether
 Concen: 3.494 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES

Tgt Ion:248 Resp: 7064
 Ion Ratio Lower Upper
 248 100
 250 178.3 73.4 110.2#
 141 376.4 52.9 79.3#

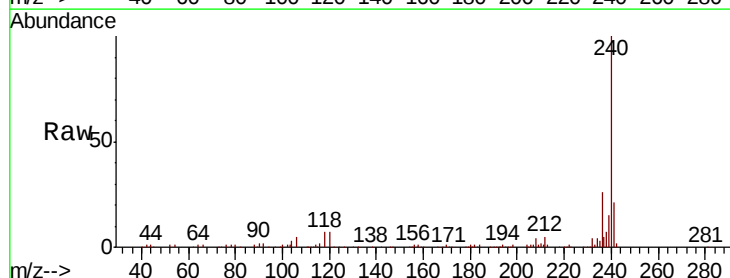


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

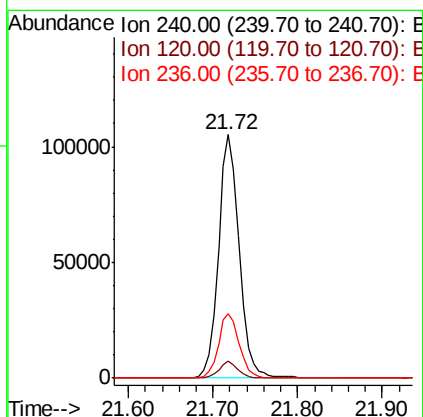
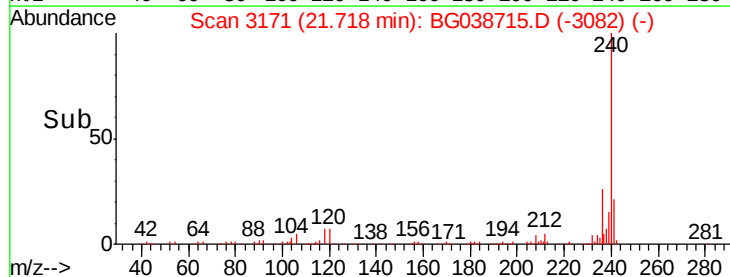


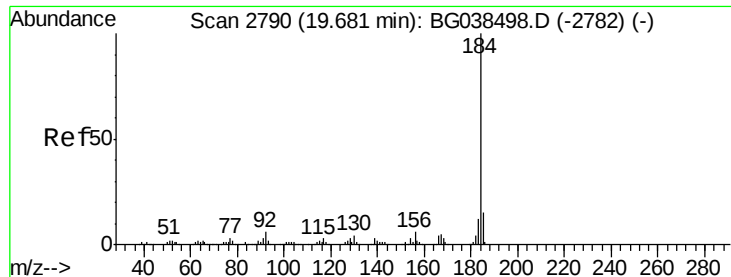
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038715.D
 Acq: 19 Dec 2018 5:52

Tgt Ion:240 Resp: 179953
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.3 7.9
 236 26.3 21.4 32.2



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





#77

Benzidine

Concen: 2.550 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038715.D

Acq: 19 Dec 2018 5:52

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

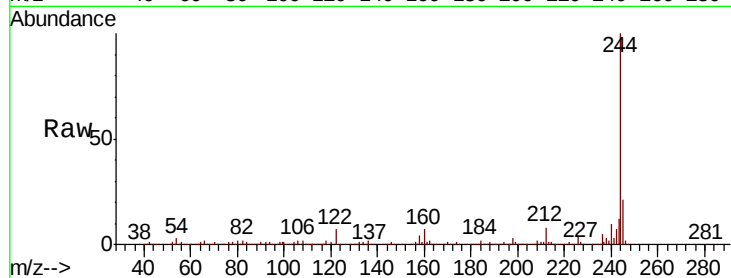
Tgt Ion:184 Resp: 13569

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.2

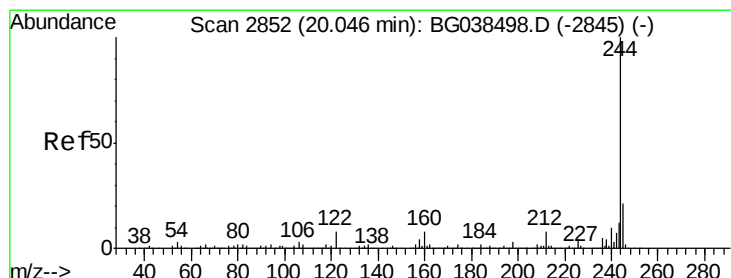
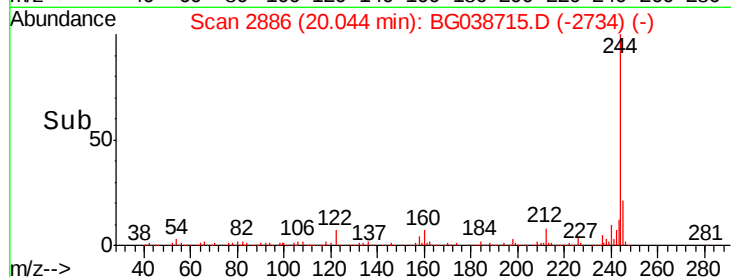
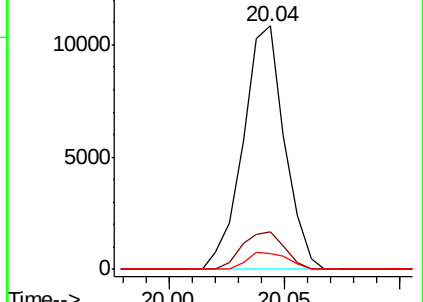
183 6.7 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 94.773 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038715.D

Acq: 19 Dec 2018 5:52

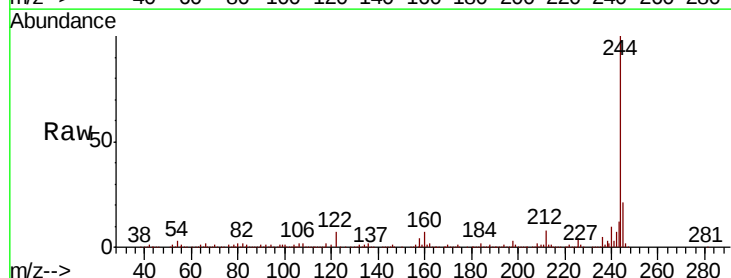
Tgt Ion:244 Resp: 783642

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

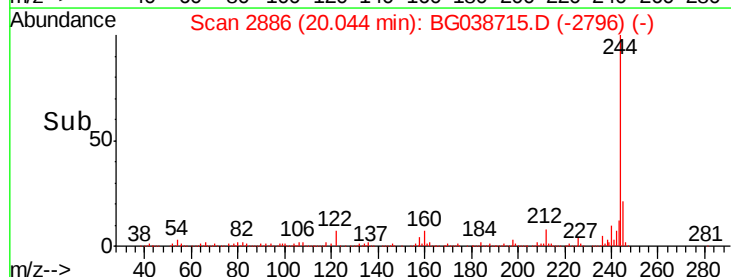
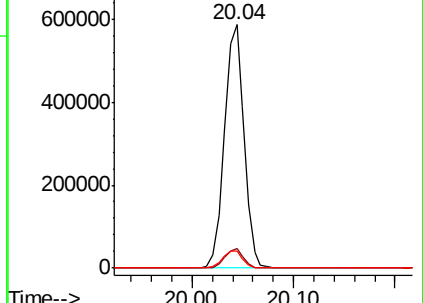
122 6.9 6.3 9.5

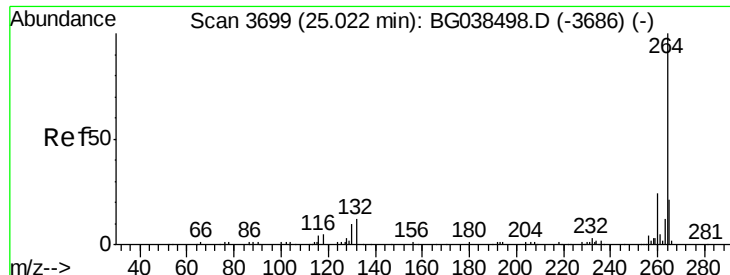


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038715.D

Acq: 19 Dec 2018 5:52

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

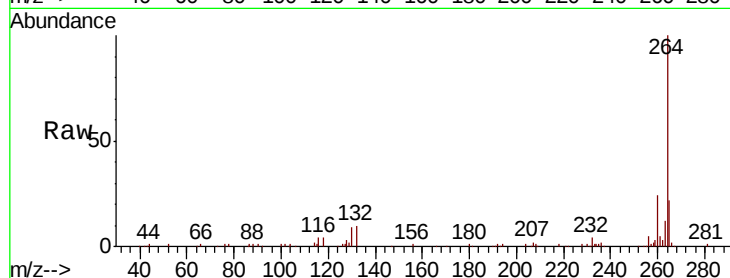
Tgt Ion: 264 Resp: 182597

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.9 17.0 25.4



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

