

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040862.D
 Acq On : 11 May 2019 1:45
 Operator : HP/JU
 Sample : K2770-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES

Quant Time: May 11 05:45:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

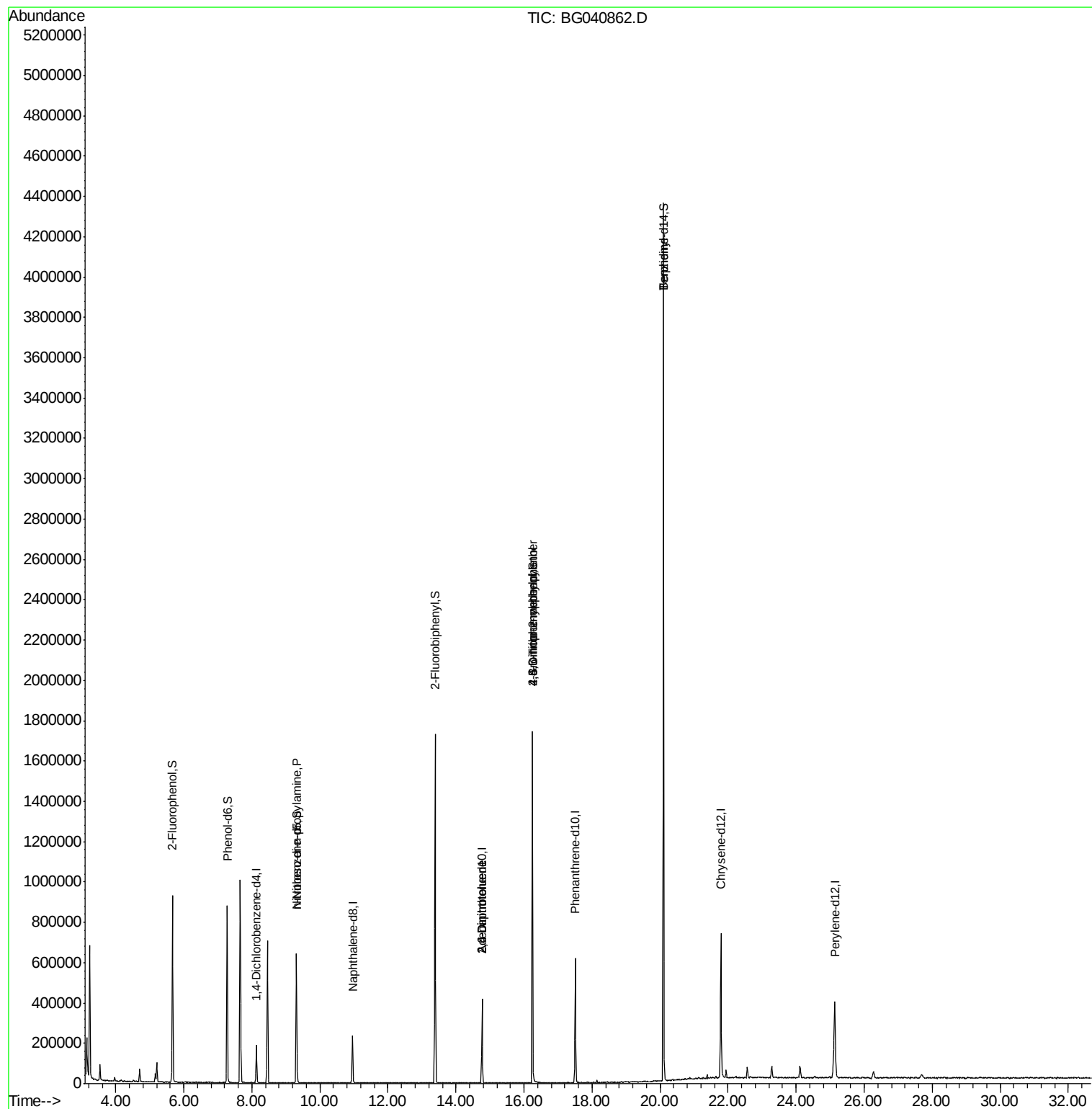
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	49334	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	185717	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	137278	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	390388	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	441756	20.00	ng	-0.04
87) Perylene-d12	25.13	264	446831	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	347237	124.07	ng	-0.02
7) Phenol-d6	7.27	99	453130	105.15	ng	-0.02
23) Nitrobenzene-d5	9.31	82	396224	98.58	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	328227	173.95	ng	-0.02
45) 2-Fluorobiphenyl	13.38	172	886034	93.21	ng	-0.03
79) Terphenyl-d14	20.10	244	1927963	96.69	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1169	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.31	70	58070	14.970	ng	# 75
51) 2,6-Dinitrotoluene	14.77	165	18344	8.183	ng	# 15
57) 2,4-Dinitrotoluene	14.77	165	18344	6.022	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.25	198	863	7.483	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	24438	5.025	ng	# 1
77) Benizidine	20.10	184	34814	2.878	ng	# 90

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

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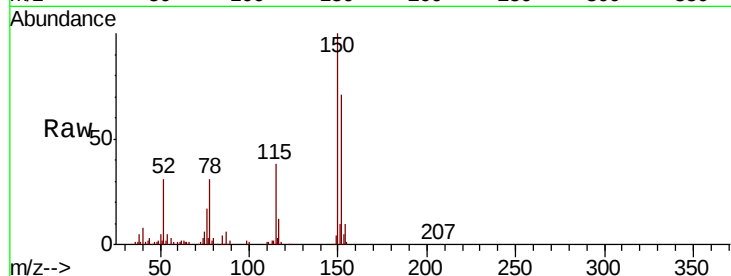


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

Instrument :
BNA_G
ClientSampleId :
OILY-STONES

Tgt Ion	Ratio	Lower	Upper
152	100		
150	141.2	120.2	180.2
115	53.1	46.2	69.2

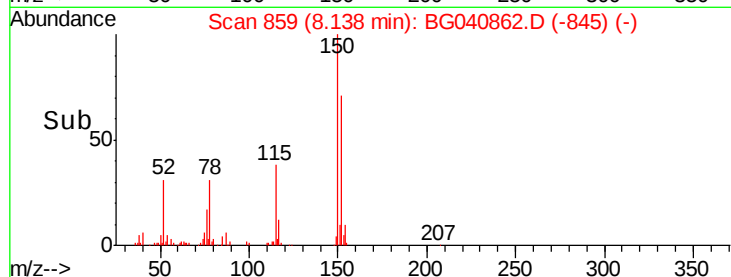
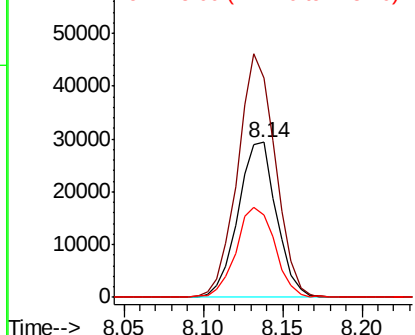


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

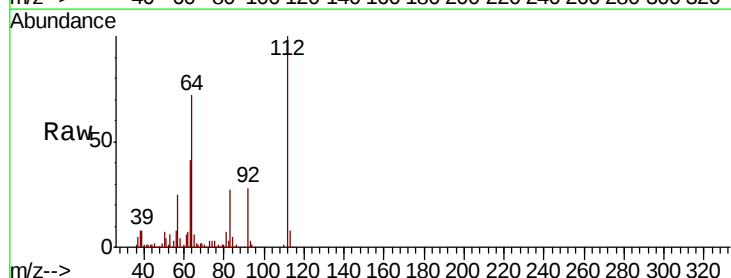
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.072 ng
RT: 5.66 min Scan# 438
Delta R.T. -0.02 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	61.4	92.0
63	40.9	37.8	56.6

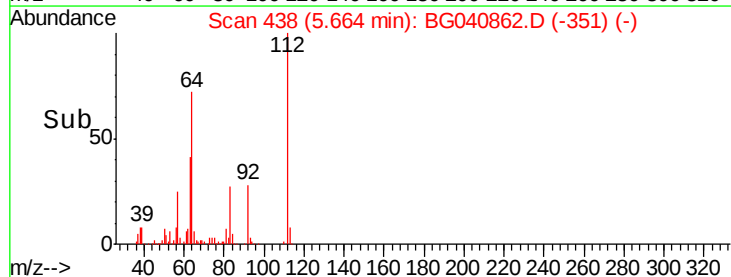
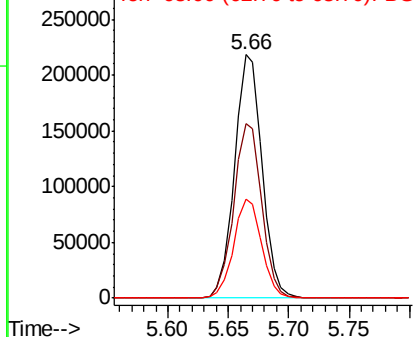


Abundance

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: 105.155 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

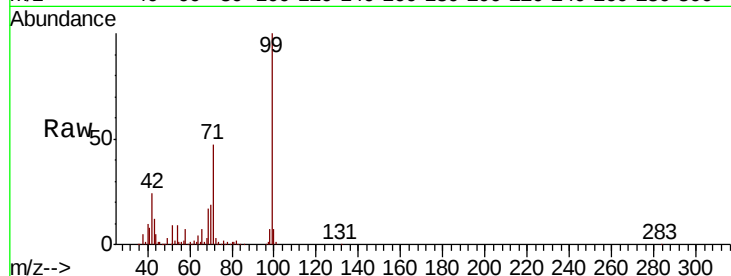
Tgt Ion: 99 Resp: 453130

Ion Ratio Lower Upper

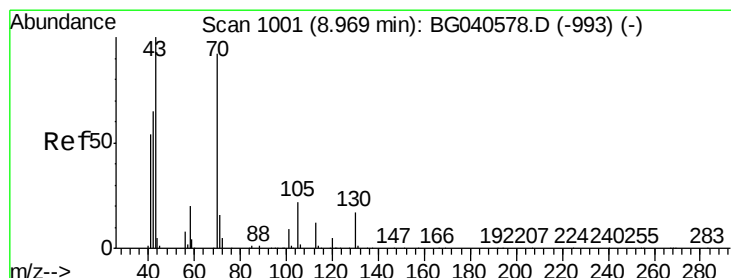
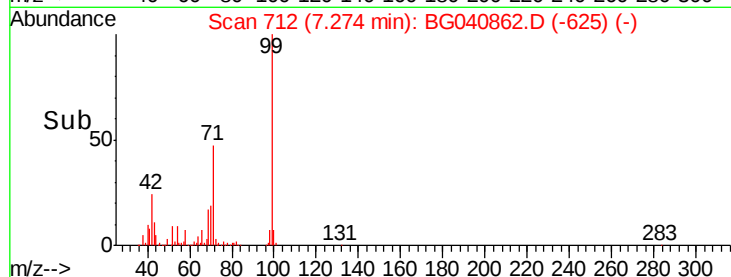
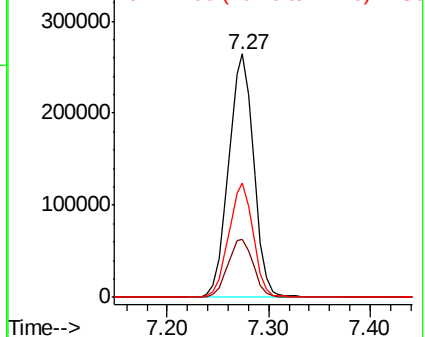
99 100

42 23.9 21.8 32.8

71 47.2 38.6 57.8



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: 14.970 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

Tgt Ion: 70 Resp: 58070

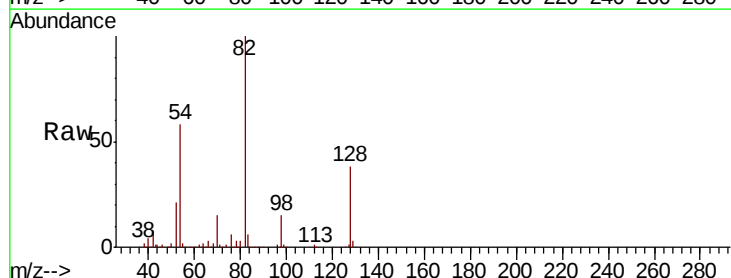
Ion Ratio Lower Upper

70 100

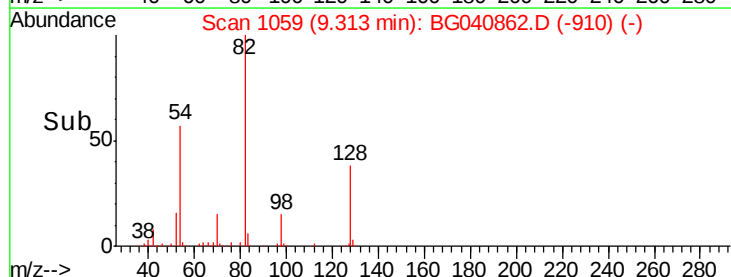
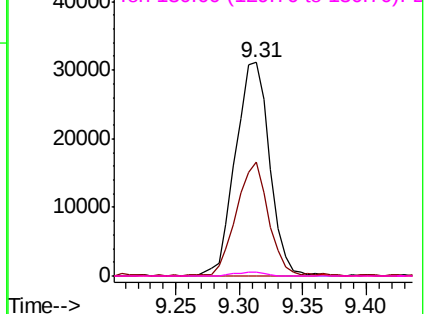
42 53.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.7 14.6 21.8#



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

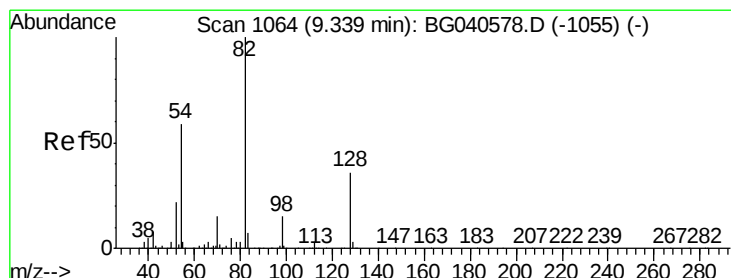
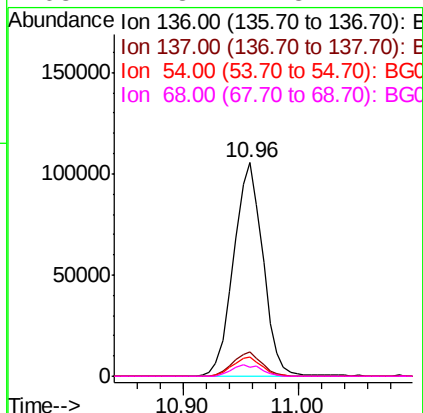
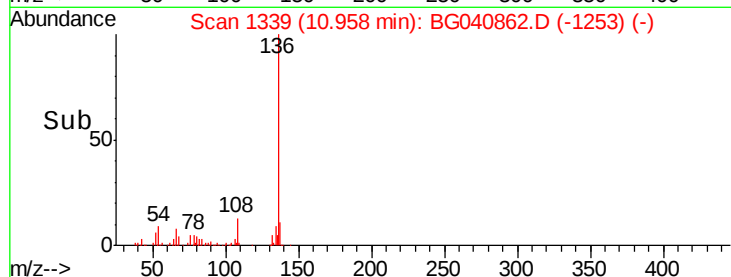
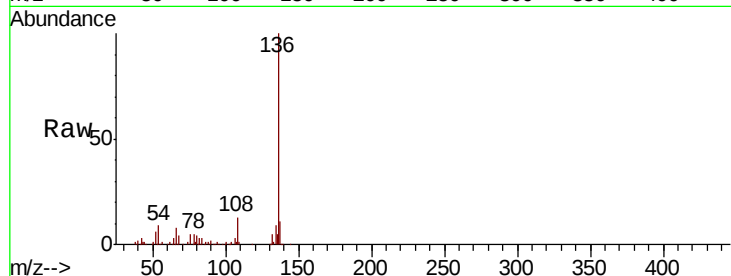




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

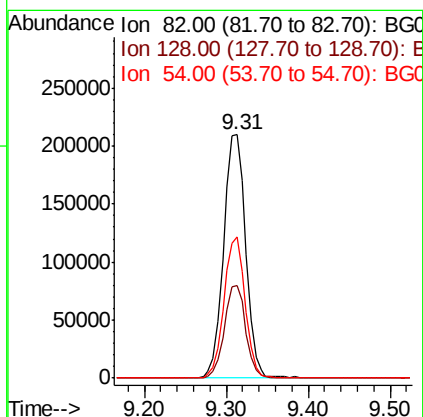
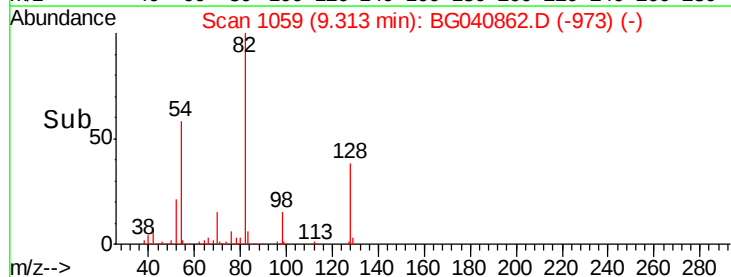
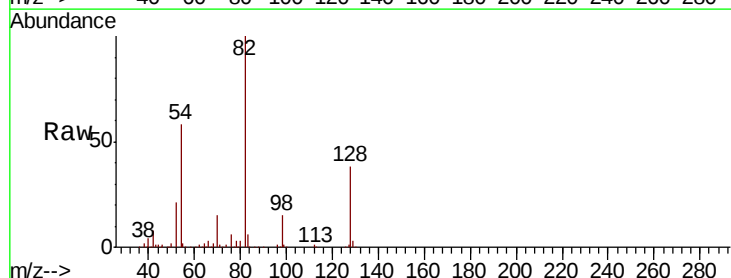
Instrument :
BNA_G
ClientSampleId :
OILY-STONES

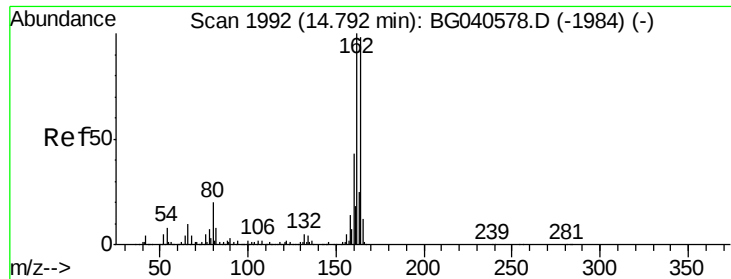
Tgt Ion:	136	Resp:	185717
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.7	14.5
54	8.8	8.6	12.8
68	4.3	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 98.580 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

Tgt Ion:	82	Resp:	396224
Ion	Ratio	Lower	Upper
82	100		
128	38.2	28.9	43.3
54	57.9	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

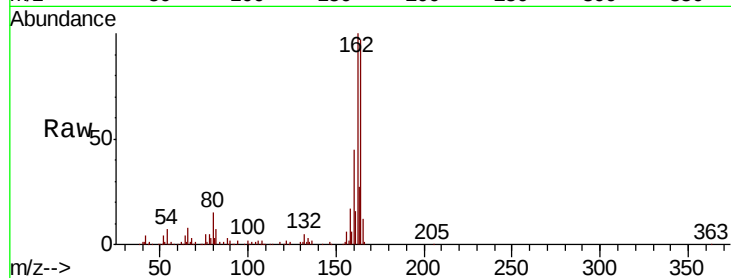
Tgt Ion:164 Resp: 137278

Ion Ratio Lower Upper

164 100

162 102.9 81.9 122.9

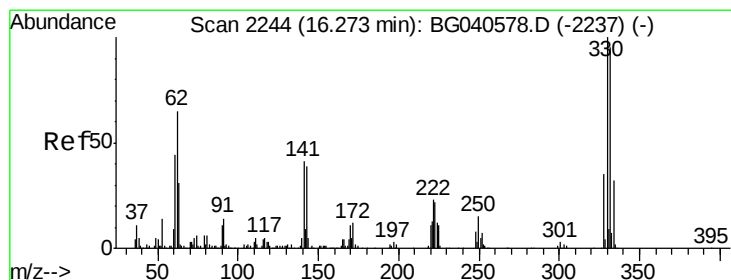
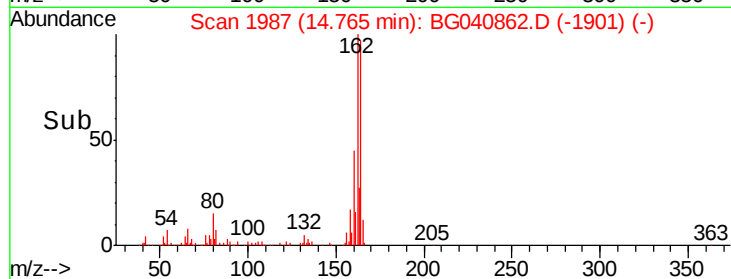
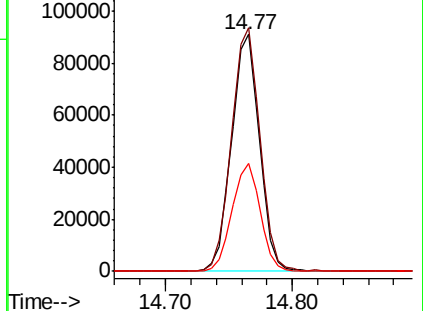
160 45.8 35.4 53.2



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: 173.949 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

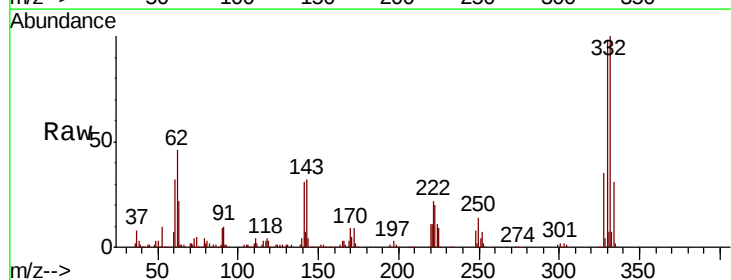
Tgt Ion:330 Resp: 328227

Ion Ratio Lower Upper

330 100

332 97.5 75.9 113.9

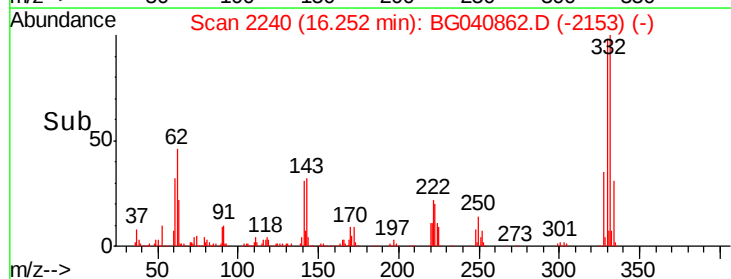
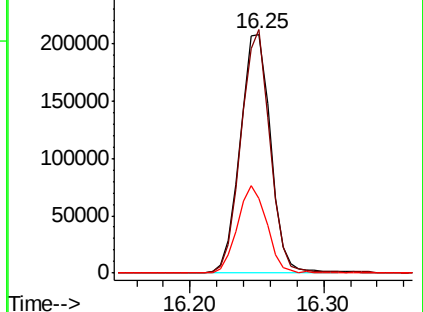
141 35.6 32.4 48.6

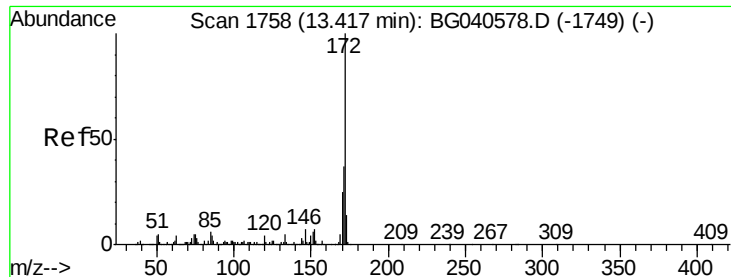


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

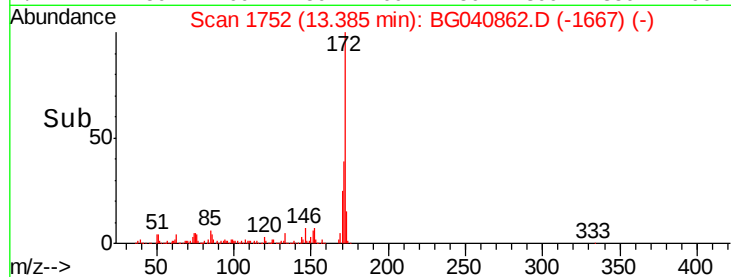
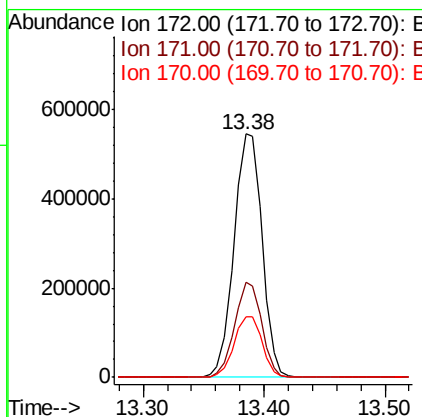
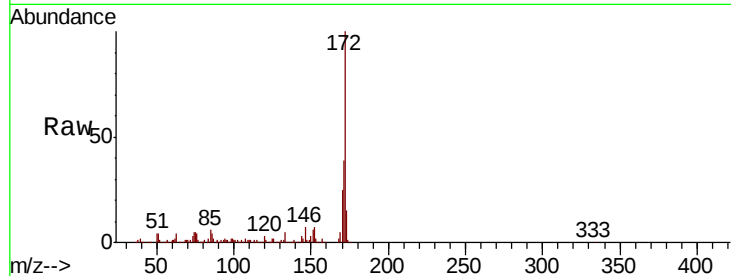




#45
 2-Fluorobiphenyl
 Concen: 93.213 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.03 min
 Lab File: BG040862.D
 Acq: 11 May 2019 1:45

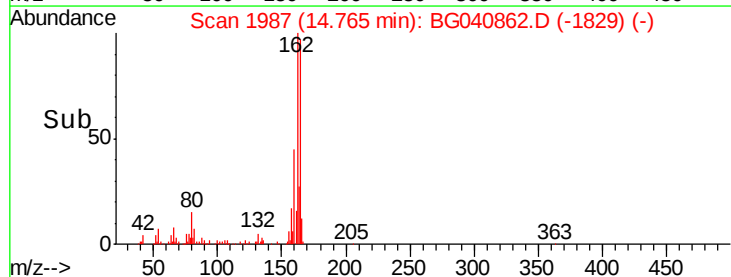
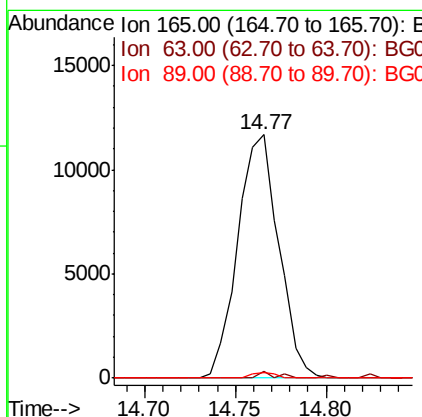
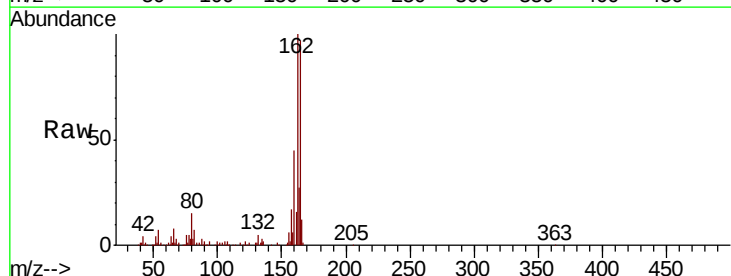
Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES

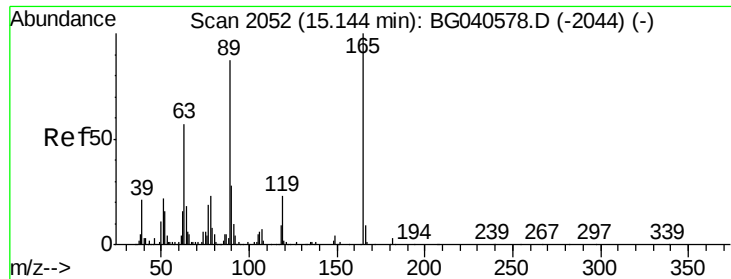
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	29.4	44.2
170	24.8	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.183 ng
 RT: 14.77 min Scan# 1987
 Delta R.T. 0.40 min
 Lab File: BG040862.D
 Acq: 11 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	61.0	91.4#
89	2.4	58.6	87.8#

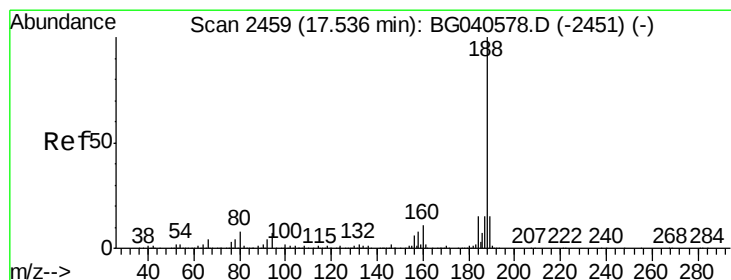
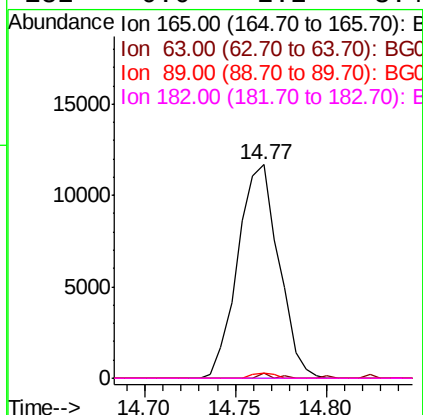
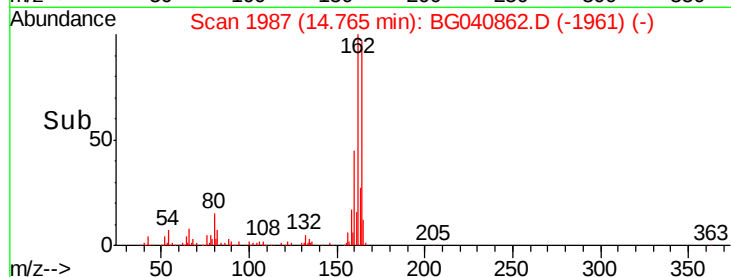
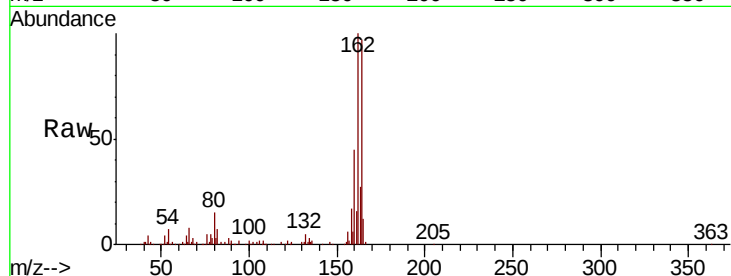




#57
2,4-Dinitrotoluene
Concen: 6.022 ng
RT: 14.77 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

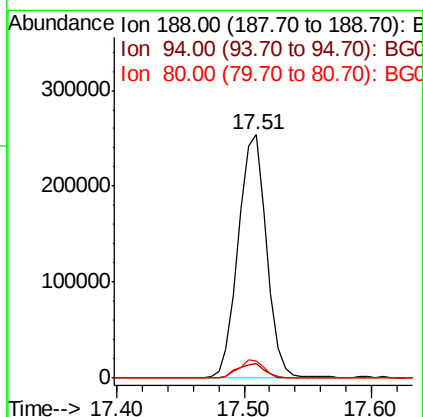
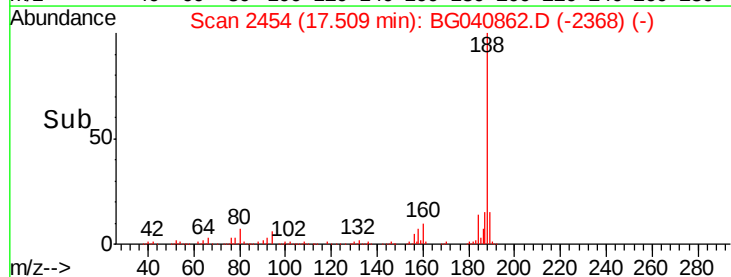
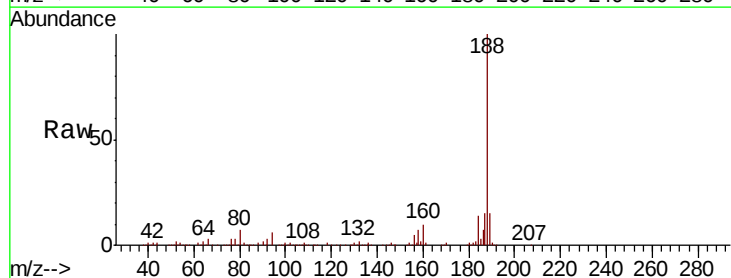
Instrument :
BNA_G
ClientSampleId :
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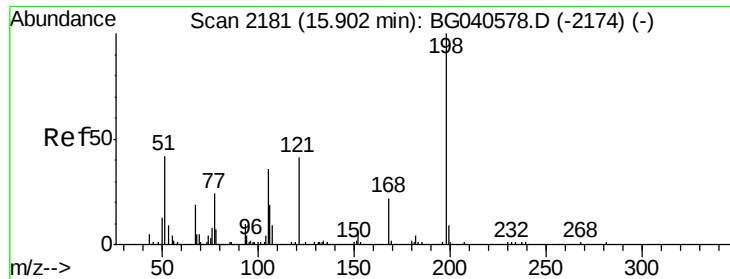
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	45.8	68.8#
89	2.4	69.4	104.2#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.6	8.4
80	7.0	6.4	9.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.483 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

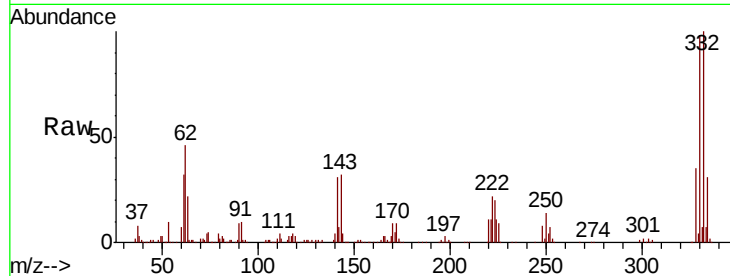
Tgt Ion:198 Resp: 863

Ion Ratio Lower Upper

198 100

51 115.7 35.9 75.9#

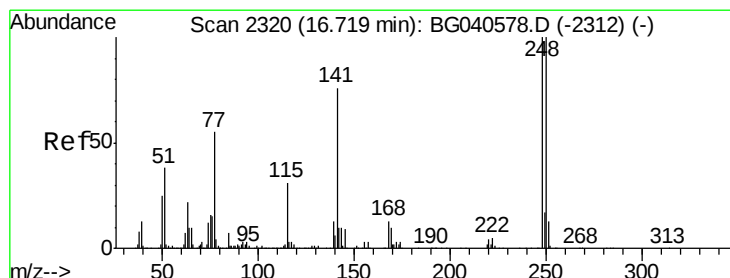
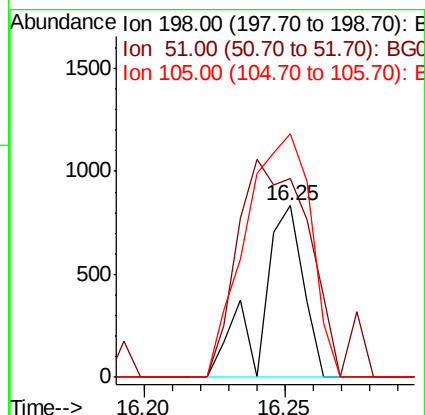
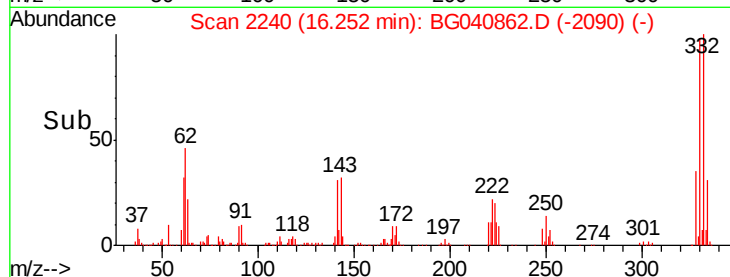
105 141.9 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.025 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

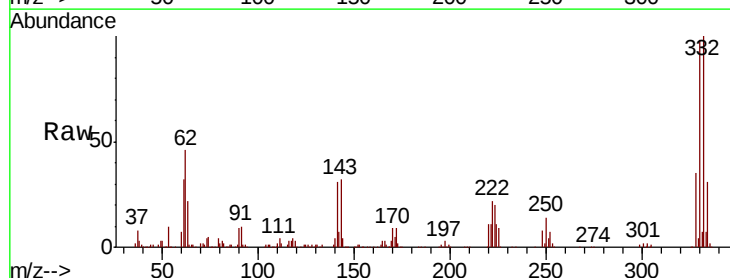
Tgt Ion:248 Resp: 24438

Ion Ratio Lower Upper

248 100

250 180.6 79.8 119.6#

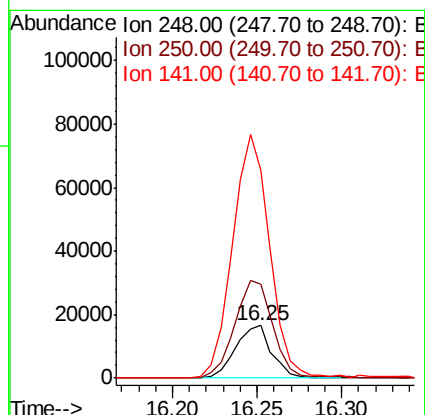
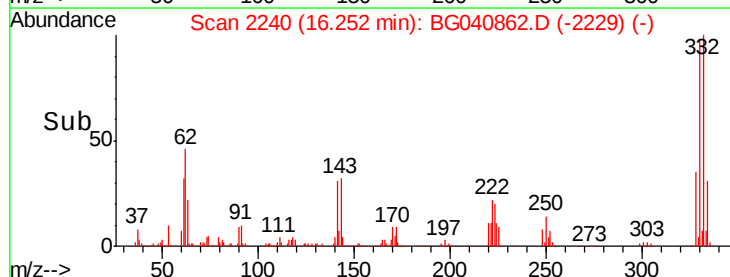
141 397.2 60.8 91.2#

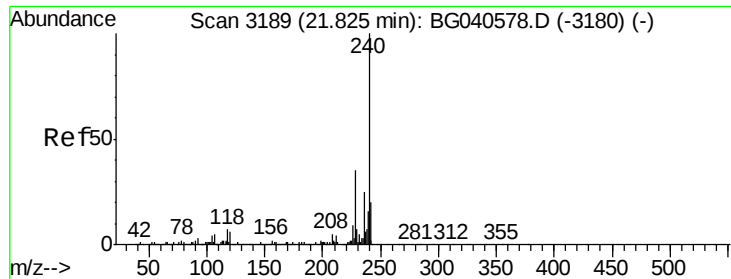


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

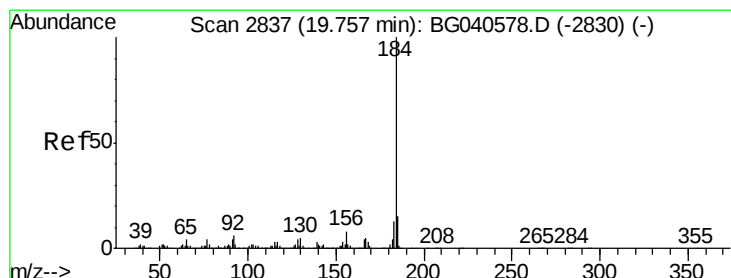
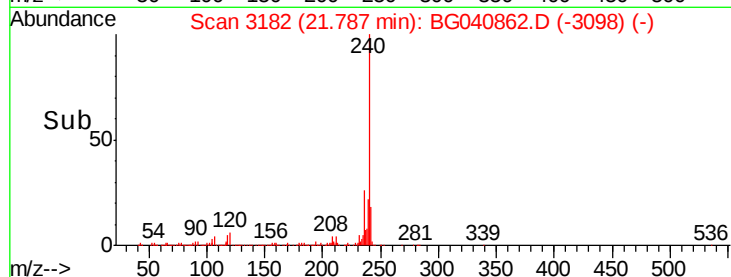
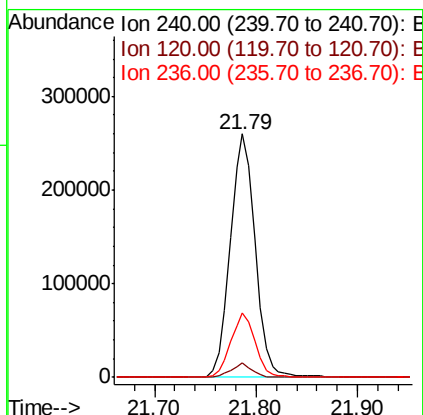
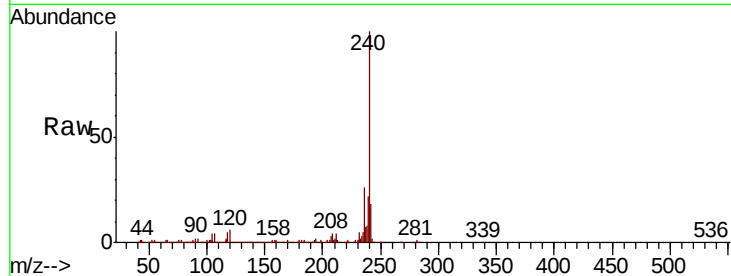




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3182
Delta R.T. -0.04 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

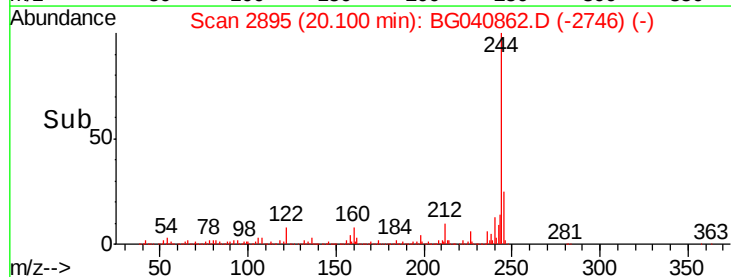
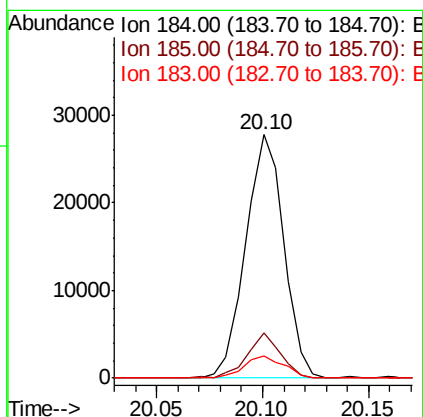
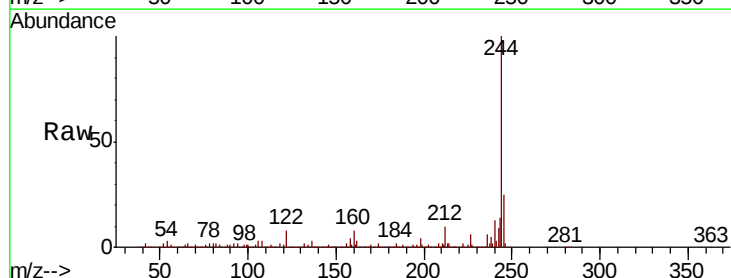
Instrument :
BNA_G
ClientSampleId :
OILY-STONES

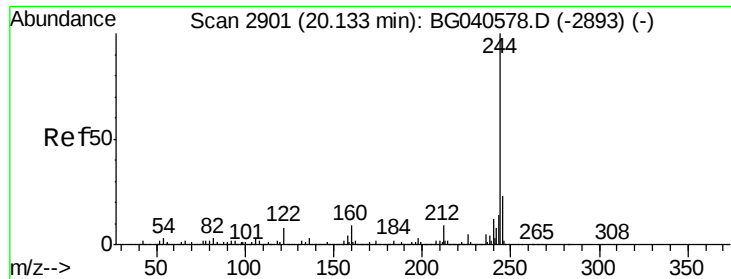
Tgt Ion:240 Resp: 441756
Ion Ratio Lower Upper
240 100
120 6.1 5.0 7.6
236 26.5 20.3 30.5



#77
Benzidine
Concen: 2.878 ng
RT: 20.10 min Scan# 2895
Delta R.T. 0.34 min
Lab File: BG040862.D
Acq: 11 May 2019 1:45

Tgt Ion:184 Resp: 34814
Ion Ratio Lower Upper
184 100
185 18.8 11.8 17.8#
183 9.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 96.688 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

Instrument :

BNA_G

ClientSampleId :

OILY-STONES

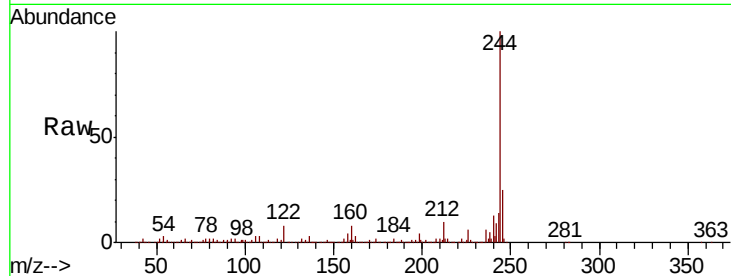
Tgt Ion:244 Resp: 1927963

Ion Ratio Lower Upper

244 100

212 9.9 7.2 10.8

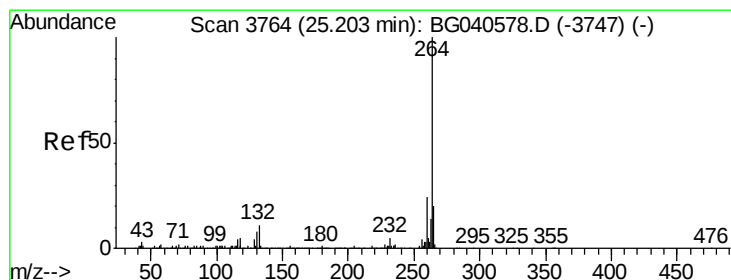
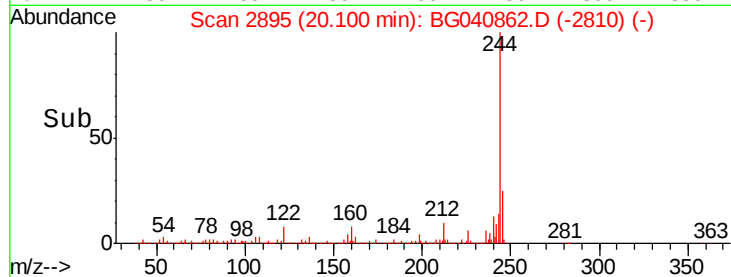
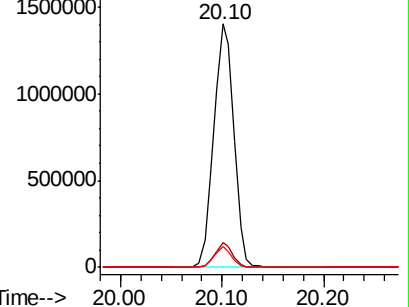
122 8.4 6.6 10.0



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: 25.13 min Scan# 3751

Delta R.T. -0.07 min

Lab File: BG040862.D

Acq: 11 May 2019 1:45

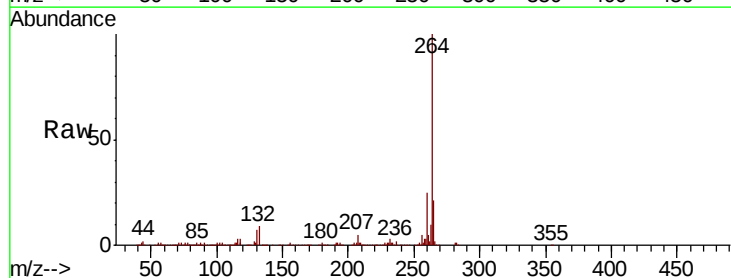
Tgt Ion:264 Resp: 446831

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 20.6 16.6 25.0



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

