

Data File : BG043993.D
Acq On : 9 Jan 2020 9:05
Operator : JU
Sample : L1048-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-B

Quant Time: Jan 10 02:03:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	120830	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	478530	20.00	ng	-0.01
39) Acenaphthene-d10	14.58	164	313642	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	700361	20.00	ng	0.00
76) Chrysene-d12	21.57	240	628701	20.00	ng	-0.02
87) Perylene-d12	24.69	264	687510	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	7255	1.10	ng	0.00
7) Phenol-d6	7.12	99	124524	13.54	ng	0.00
23) Nitrobenzene-d5	9.10	82	391646	43.78	ng	-0.02
42) 2,4,6-Tribromophenol	16.08	330	144	0.04	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	943388	54.50	ng	-0.01
79) Terphenyl-d14	19.94	244	1494360	50.49	ng	-0.02

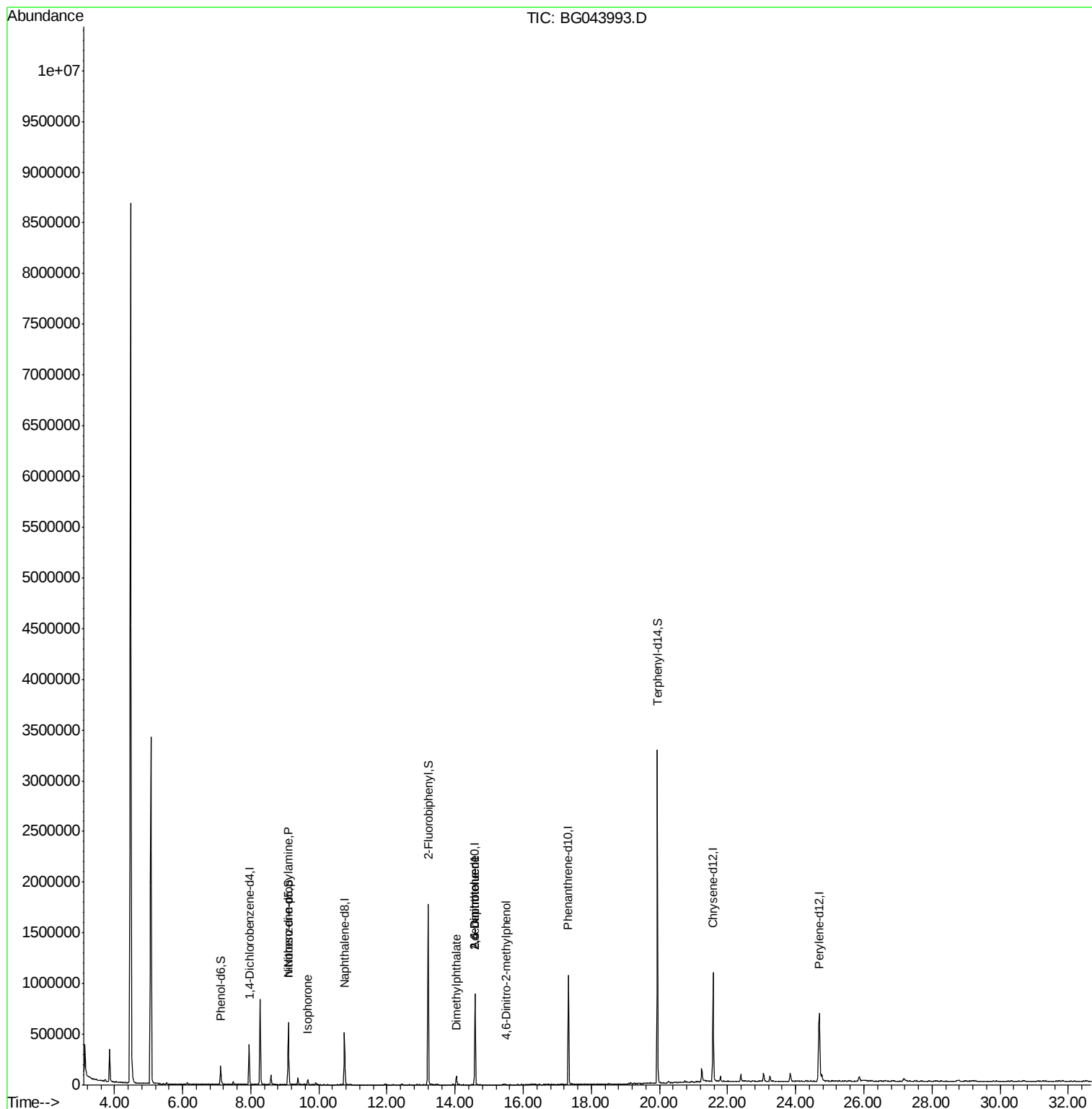
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.10	70	51916	7.579	ng	# 79
25) Isophorone	9.67	82	44564	2.655	ng	# 98
50) Dimethylphthalate	14.04	163	73045	3.280	ng	# 97
51) 2,6-Dinitrotoluene	14.58	165	41542	8.253	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	41542	6.065	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.51	198	57	4.404	ng	# 1

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

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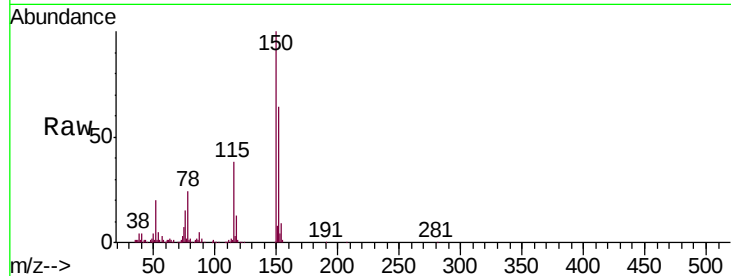


#1

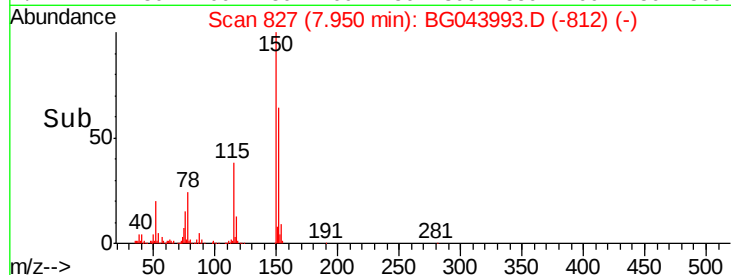
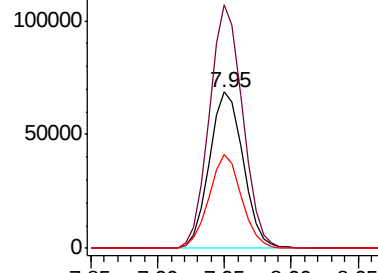
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.0	190.4
115	59.9	47.8	71.8



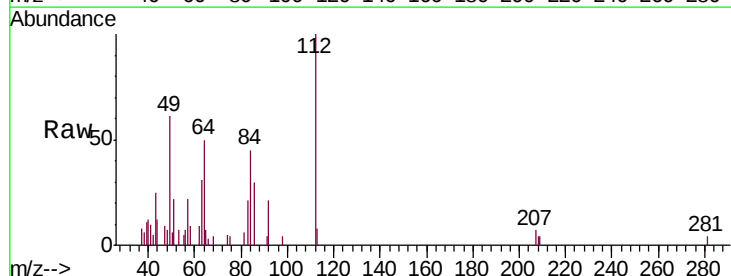
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



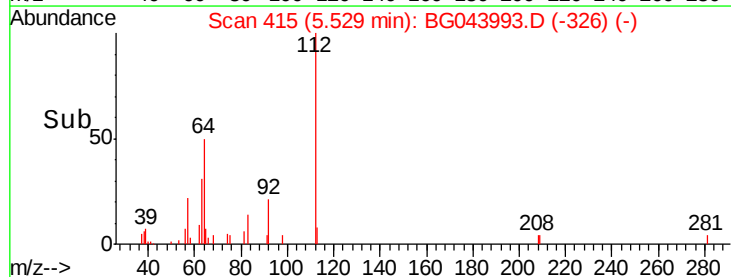
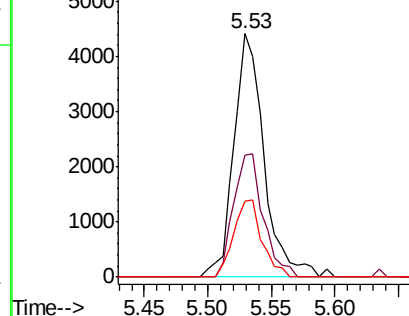
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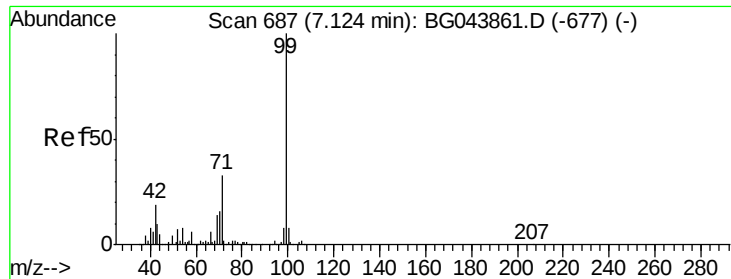
2-Fluorophenol
Concen: 1.102 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	47.8	71.6
63	31.4	24.3	36.5



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: 13.537 ng

RT: 7.12 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-B

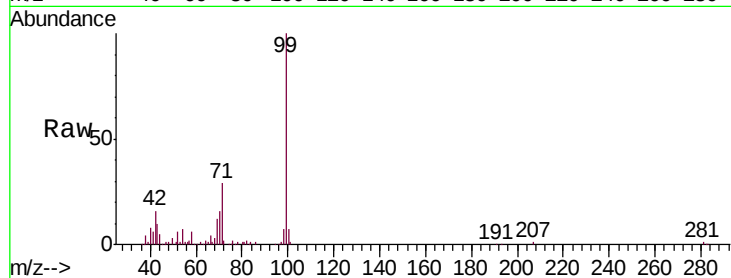
Tgt Ion: 99 Resp: 124524

Ion Ratio Lower Upper

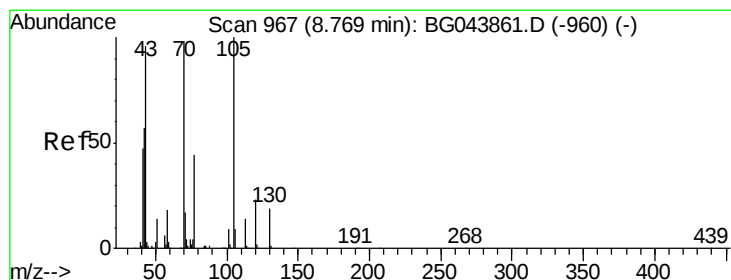
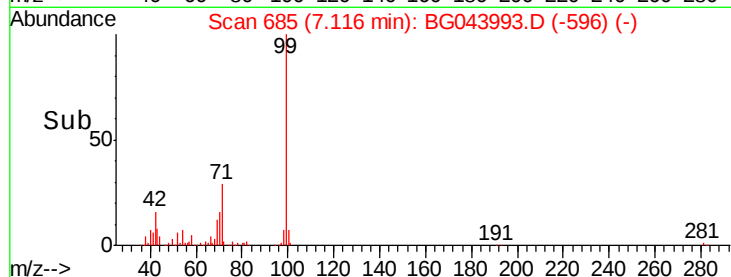
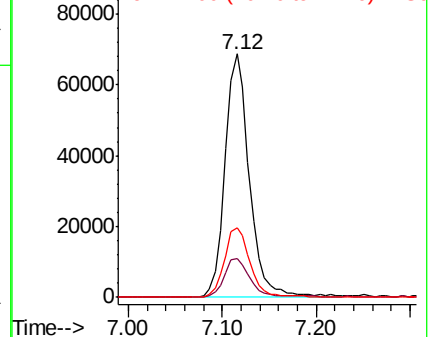
99 100

42 16.1 14.9 22.3

71 28.5 26.4 39.6



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: 7.579 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

Tgt Ion: 70 Resp: 51916

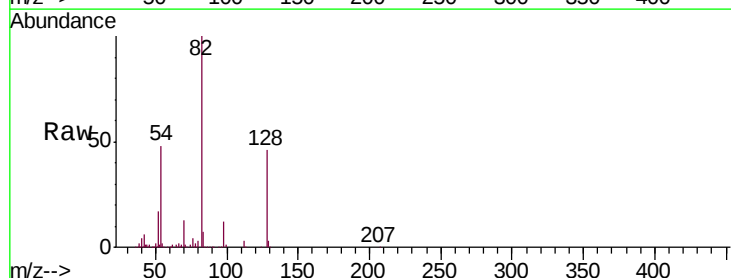
Ion Ratio Lower Upper

70 100

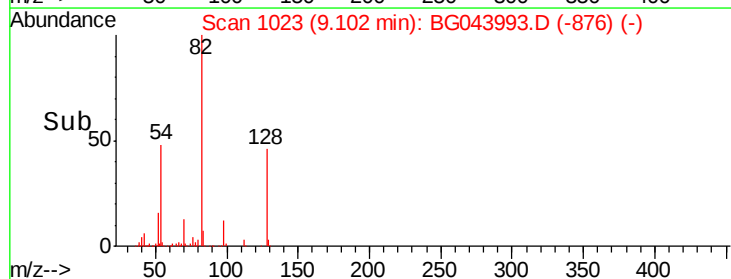
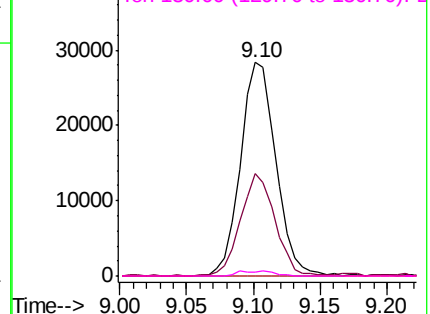
42 47.9 47.0 70.4

101 0.0 7.2 10.8#

130 1.6 15.6 23.4#



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

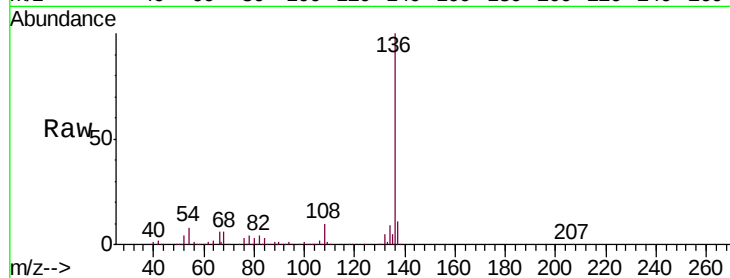




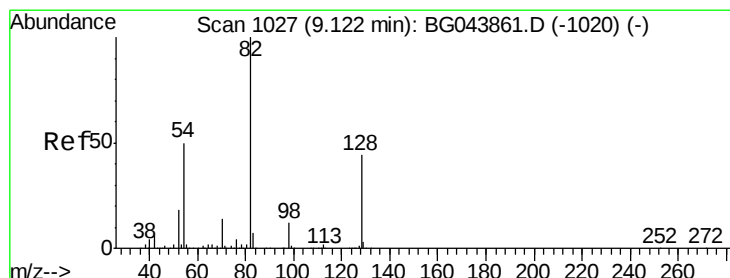
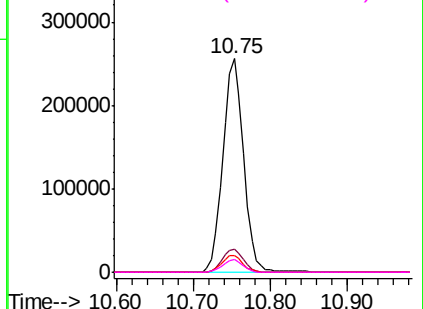
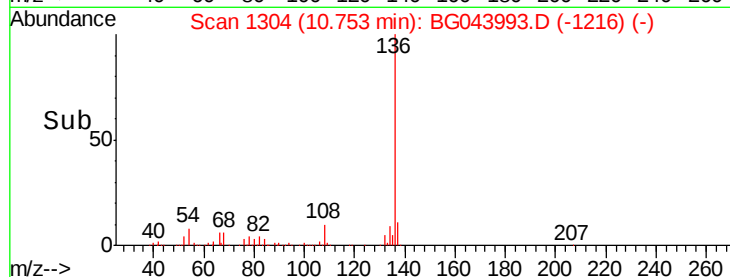
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-B

Tgt Ion:	136	Resp:	478530
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	7.0	10.4
68	5.9	4.9	7.3

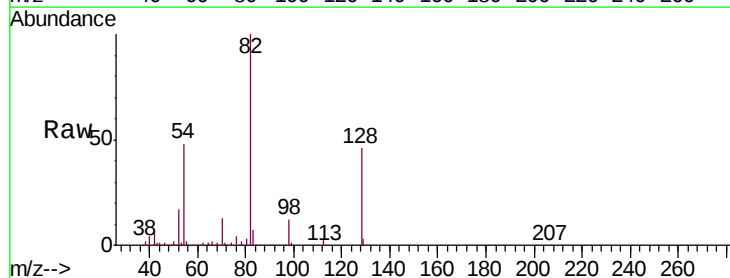


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

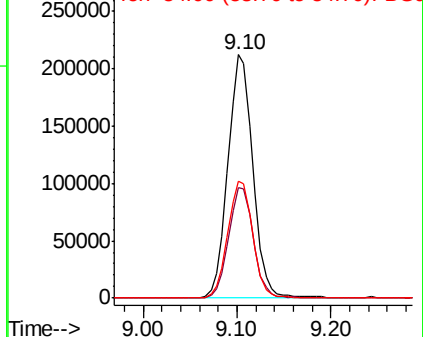
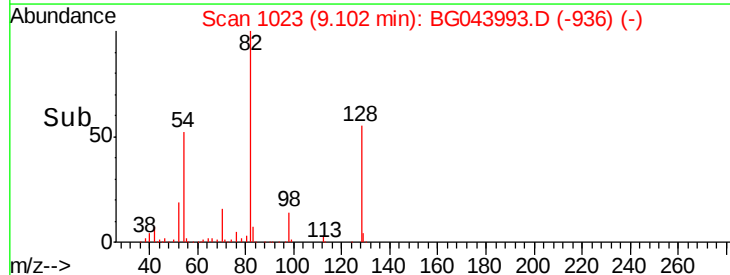


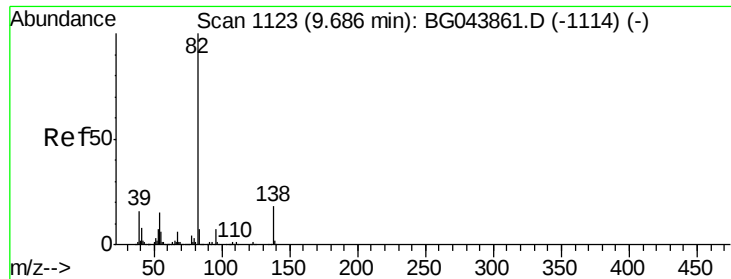
#23
Nitrobenzene-d5
Concen: 43.783 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

Tgt Ion:	82	Resp:	391646
Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.1	52.7
54	48.3	40.1	60.1



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

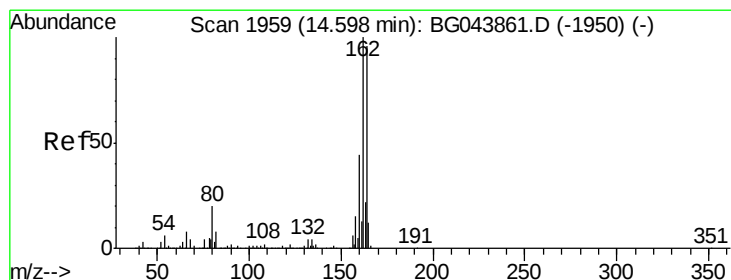
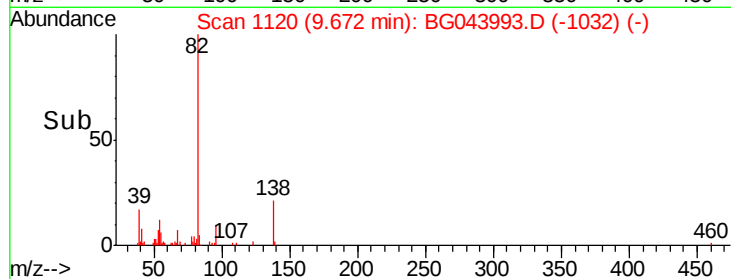
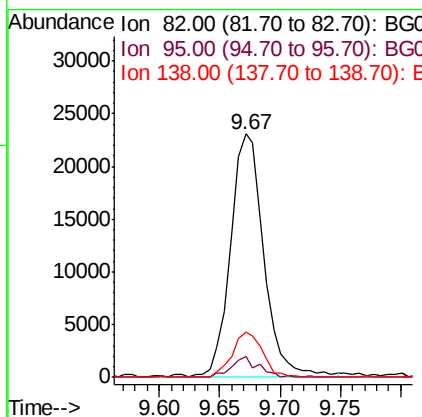
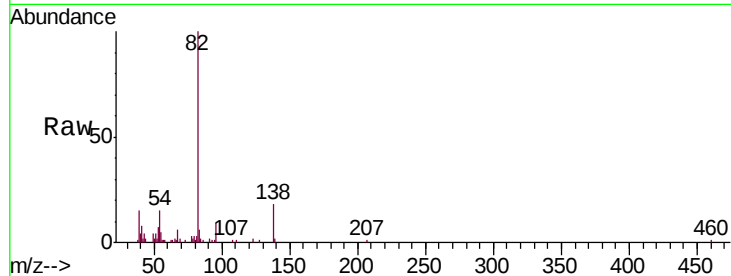




#25
Isophorone
Concen: 2.655 ng
RT: 9.67 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

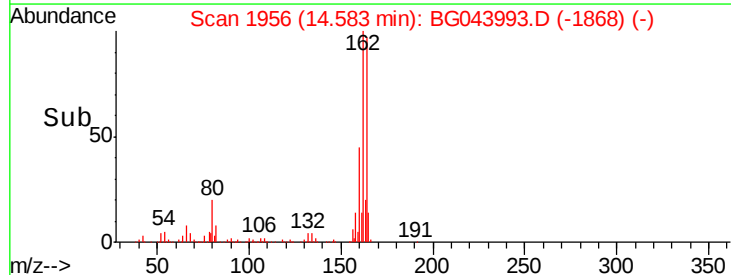
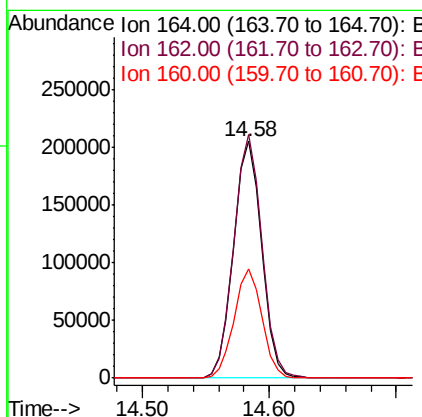
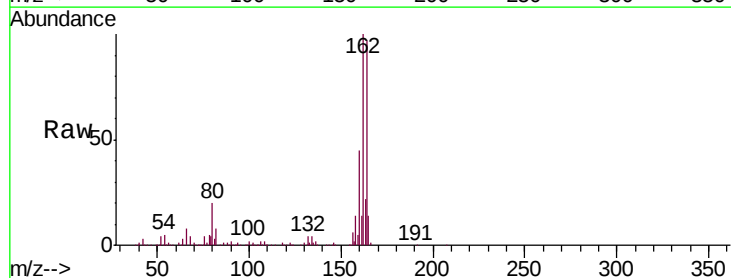
Instrument :
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FRONT-PIER-B

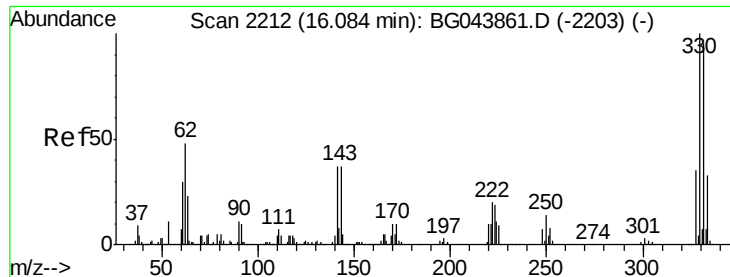
Tgt Ion: 82 Resp: 44564
Ion Ratio Lower Upper
82 100
95 8.8 5.8 8.6#
138 18.4 14.6 22.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

Tgt Ion: 164 Resp: 313642
Ion Ratio Lower Upper
164 100
162 102.9 83.0 124.4
160 45.9 36.1 54.1

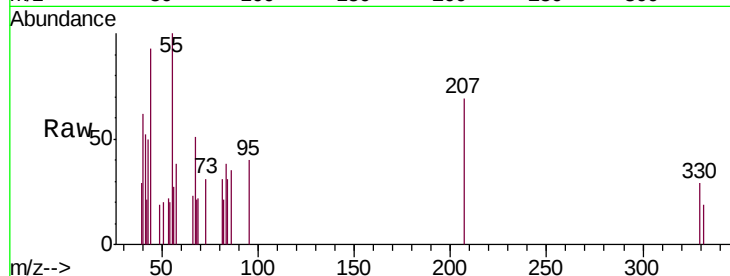




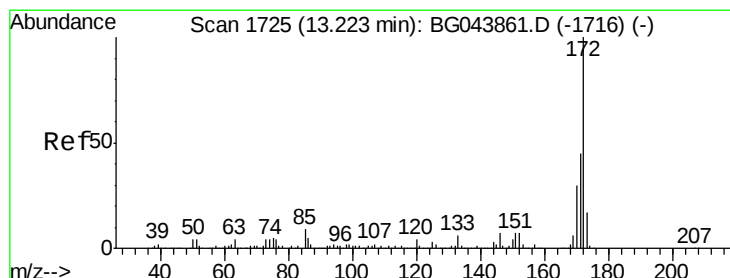
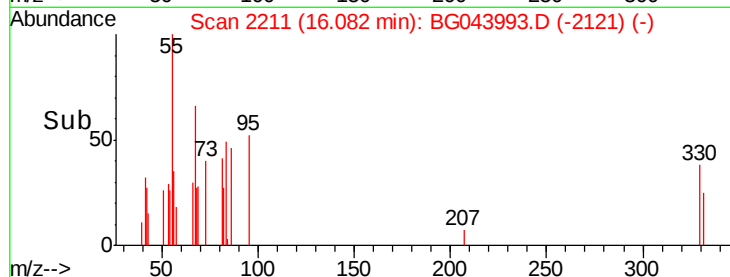
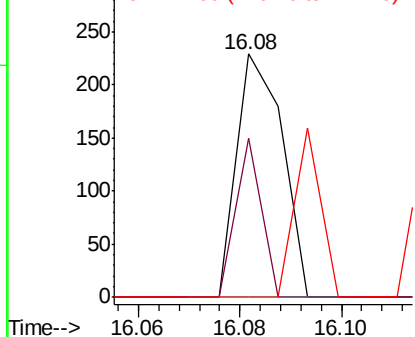
#42
 2,4,6-Tribromophenol
 Concen: 0.044 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.00 min
 Lab File: BG043993.D
 Acq: 9 Jan 2020 9:05

Instrument :
 BNA_G
 ClientSampleId :
 FRONT-PIER-B

Tgt Ion: 330 Resp: 144
 Ion Ratio Lower Upper
 330 100
 332 36.8 77.2 115.8#
 141 38.9 33.1 49.7

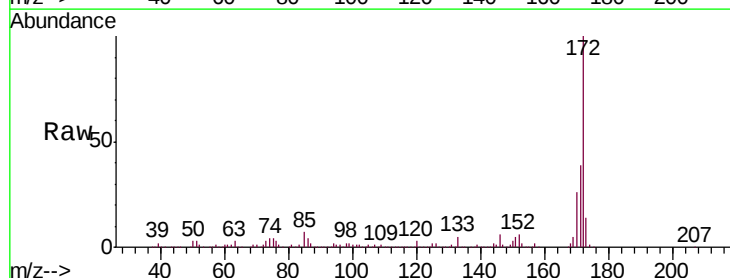


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

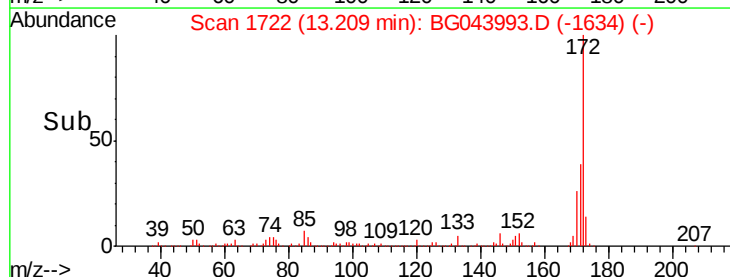
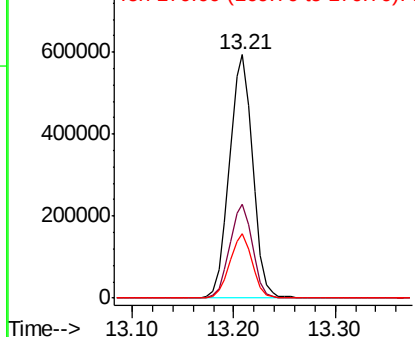


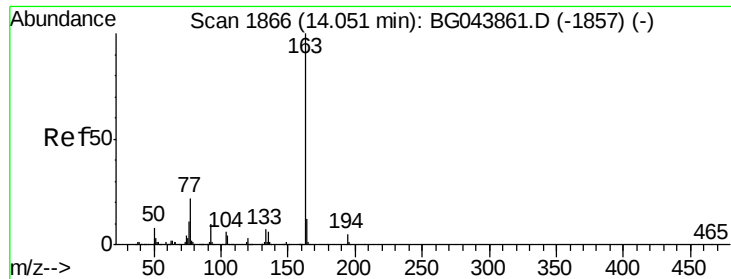
#45
 2-Fluorobiphenyl
 Concen: 54.495 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG043993.D
 Acq: 9 Jan 2020 9:05

Tgt Ion: 172 Resp: 943388
 Ion Ratio Lower Upper
 172 100
 171 38.7 35.8 53.8
 170 26.4 24.2 36.4



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: 3.280 ng

RT: 14.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-B

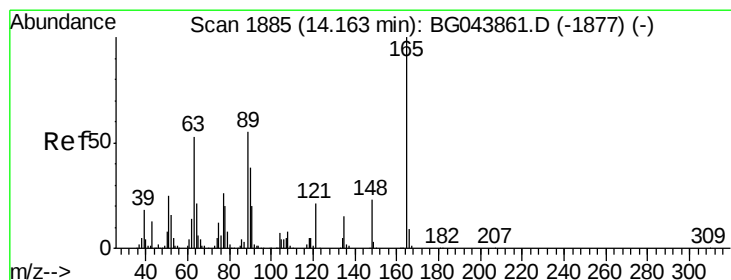
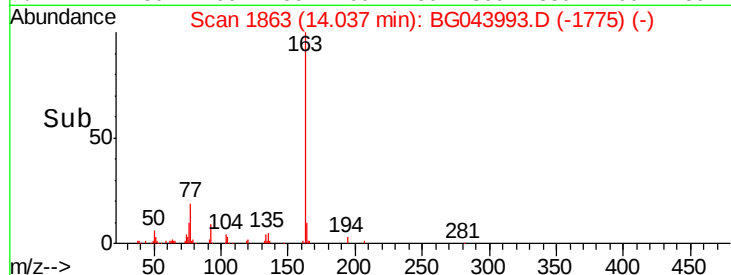
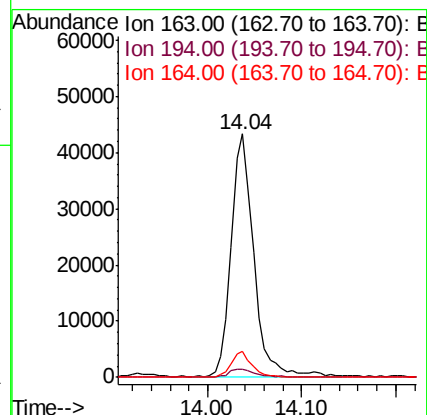
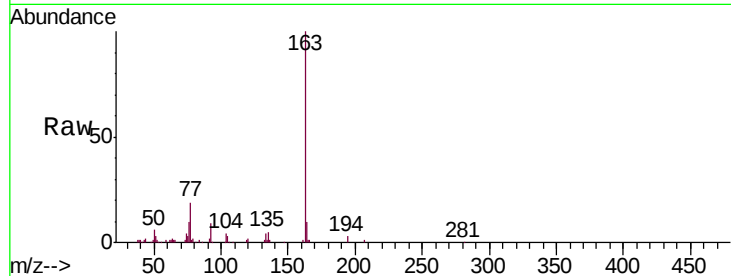
Tgt Ion:163 Resp: 73045

Ion Ratio Lower Upper

163 100

194 3.1 3.7 5.5#

164 10.5 9.3 13.9



#51

2,6-Dinitrotoluene

Concen: 8.253 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.42 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

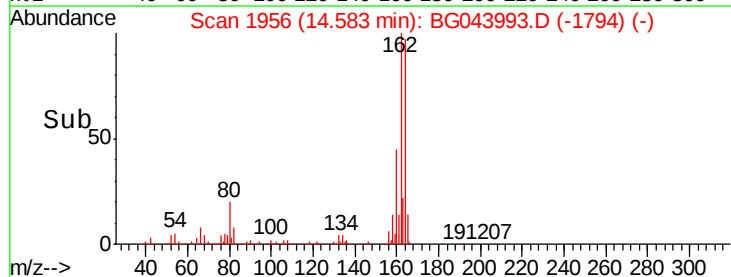
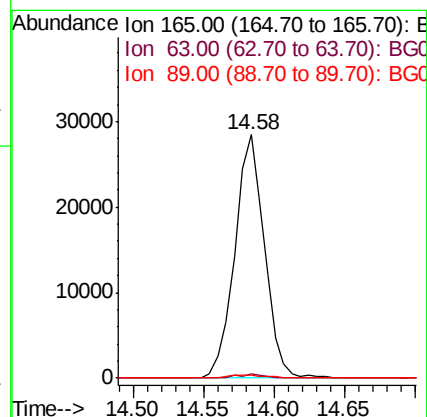
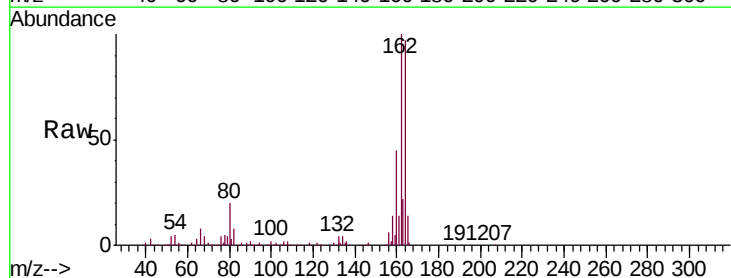
Tgt Ion:165 Resp: 41542

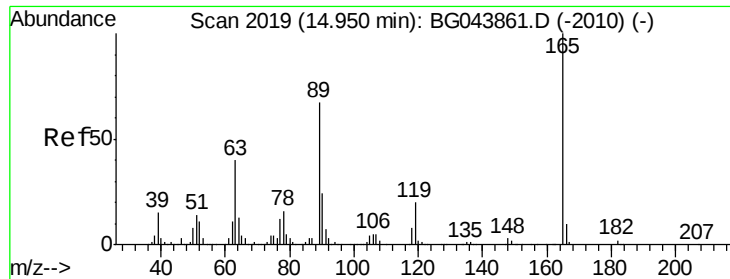
Ion Ratio Lower Upper

165 100

63 1.8 43.1 64.7#

89 1.1 43.8 65.6#

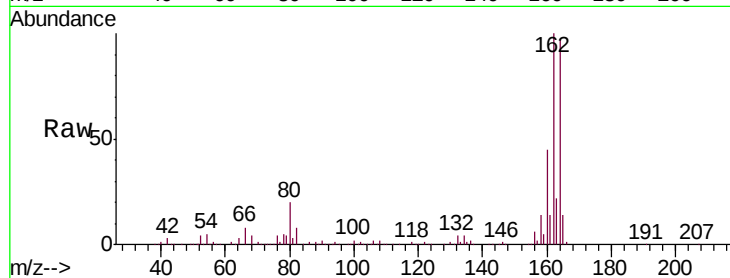




#57
2,4-Dinitrotoluene
Concen: 6.065 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.37 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	31.9	47.9#
89	1.1	53.8	80.6#
182	0.0	2.0	3.0#



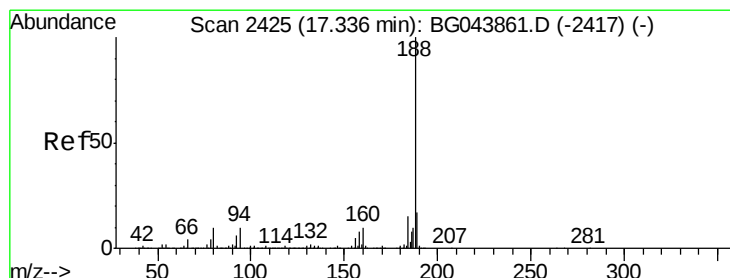
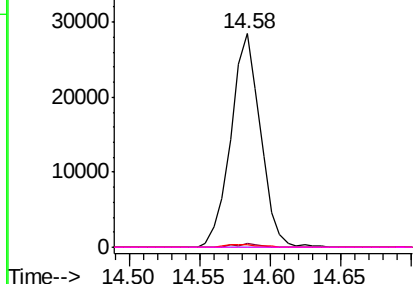
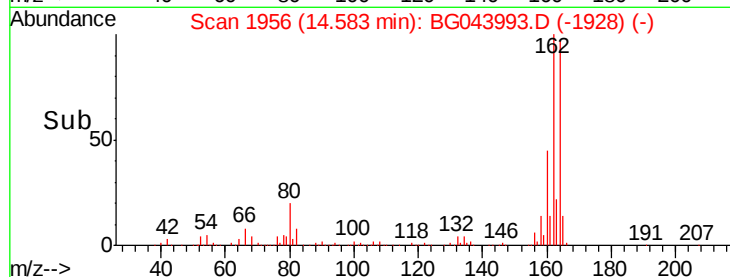
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

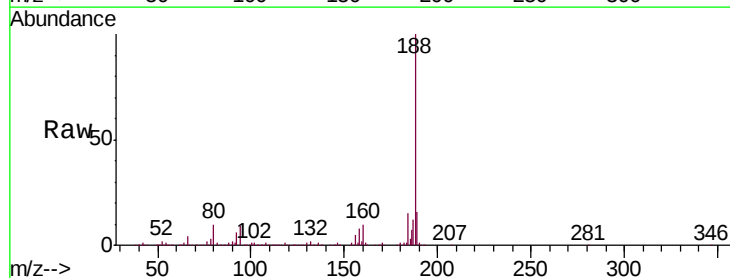
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG043993.D
Acq: 9 Jan 2020 9:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.9	11.9
80	10.1	8.2	12.4

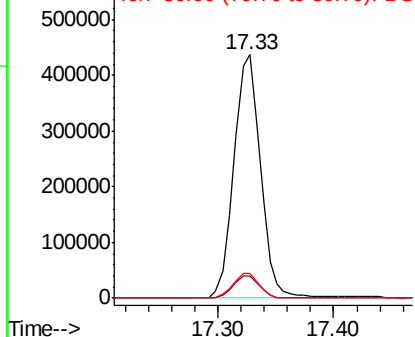
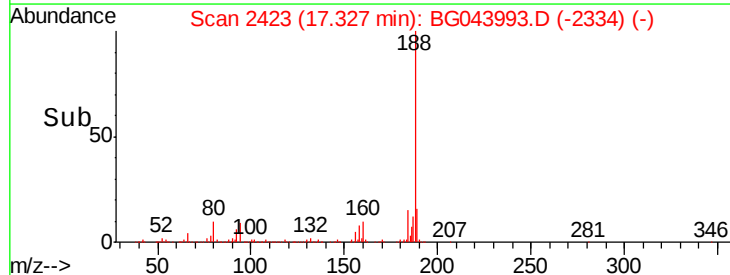


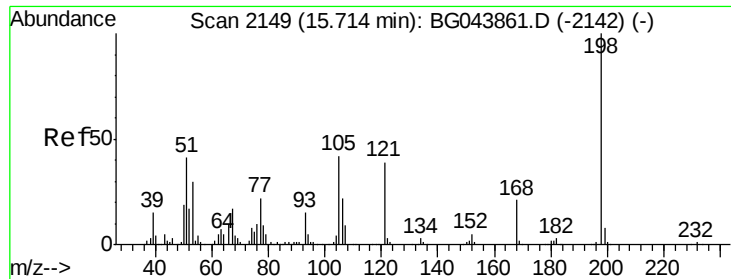
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 4.404 ng

RT: 15.51 min Scan# 2114

Delta R.T. -0.20 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-B

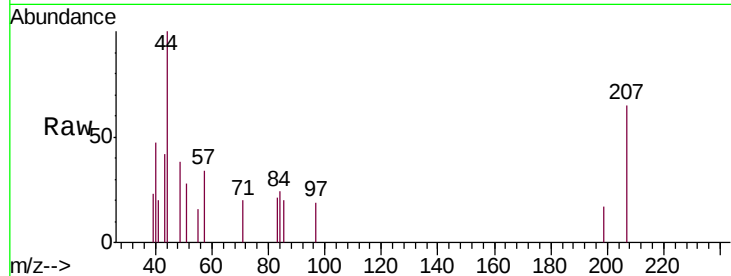
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 163.8 22.5 62.5#

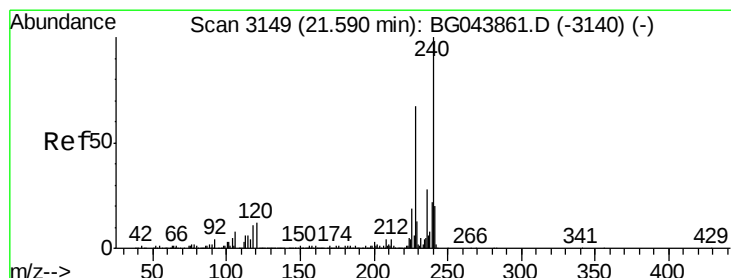
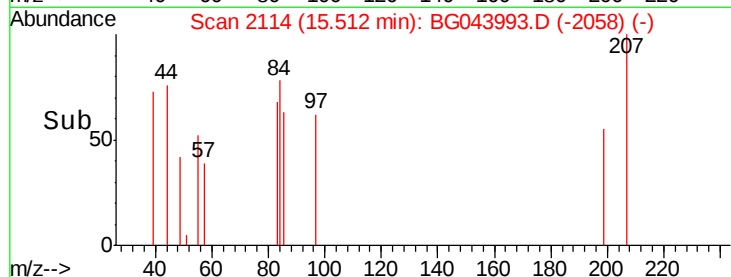
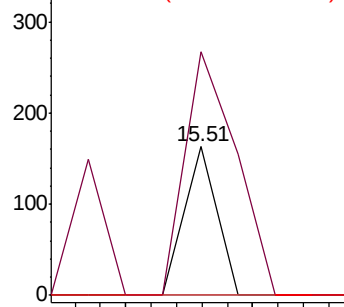
105 0.0 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG043861.D (-2142) (-)

Ion 105.00 (104.70 to 105.70): BG043861.D (-2142) (-)



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

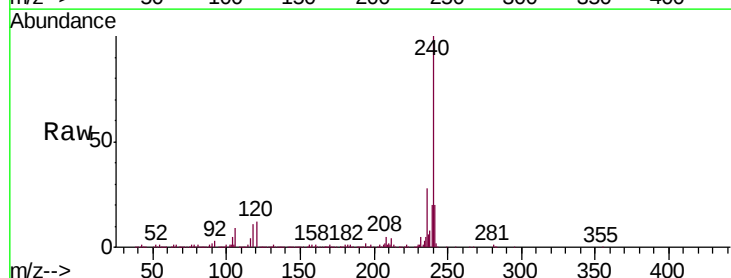
Tgt Ion:240 Resp: 628701

Ion Ratio Lower Upper

240 100

120 11.9 9.6 14.4

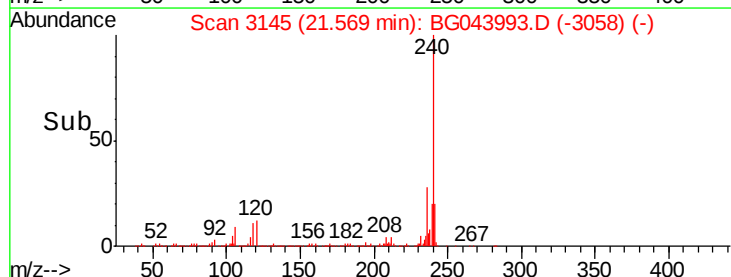
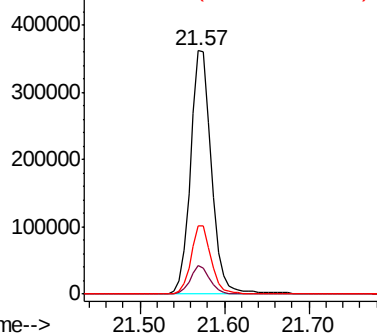
236 28.1 22.2 33.2

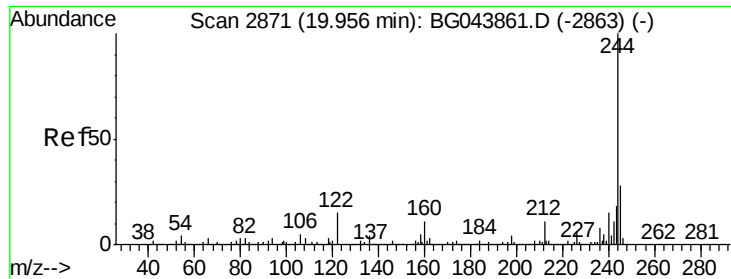


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): BG043861.D (-3140) (-)

Ion 236.00 (235.70 to 236.70): BG043861.D (-3140) (-)





#79

Terphenyl-d14

Concen: 50.491 ng

RT: 19.94 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-B

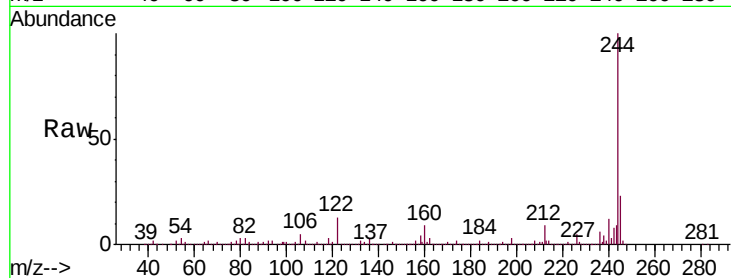
Tgt Ion:244 Resp: 1494360

Ion Ratio Lower Upper

244 100

212 8.9 8.6 13.0

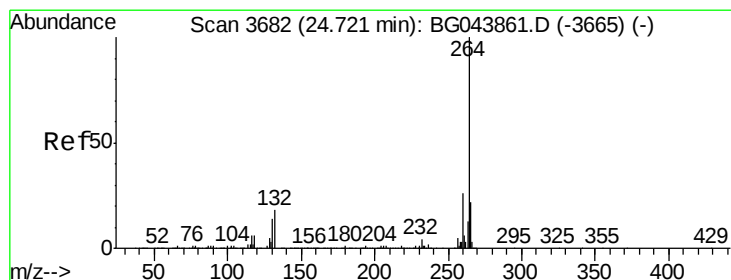
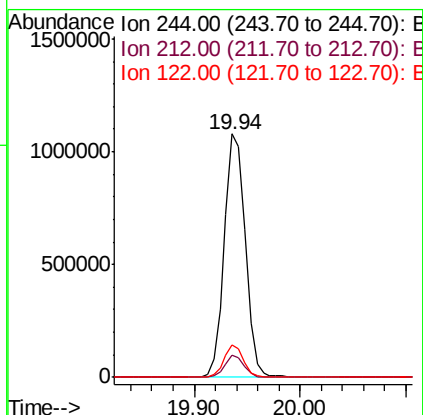
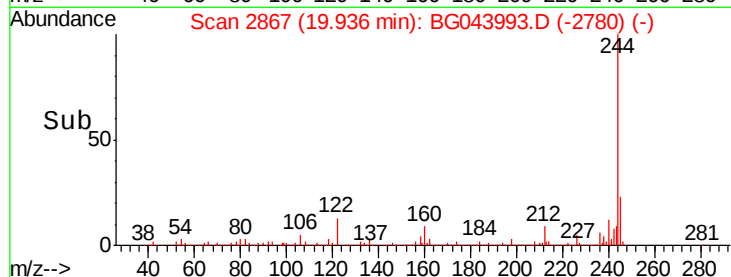
122 13.2 11.9 17.9



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: 24.69 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG043993.D

Acq: 9 Jan 2020 9:05

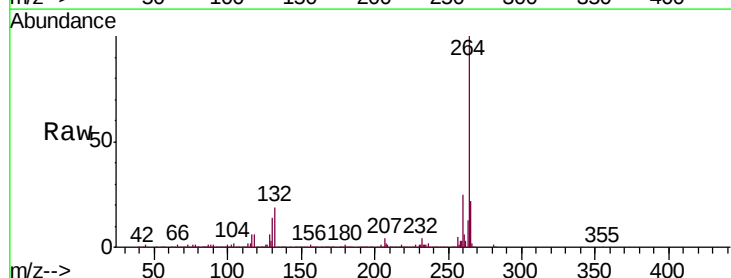
Tgt Ion:264 Resp: 687510

Ion Ratio Lower Upper

264 100

260 25.4 20.4 30.6

265 22.2 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

