

Data File : BG044206.D
Acq On : 25 Jan 2020 7:41
Operator : CG/JU
Sample : L1242-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
20200056-COMP-2

Quant Time: Jan 27 00:52:47 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	7.93	152	79227	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	360426	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	242102	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	486078	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	418679	20.00	ng	-0.03
87) Perylene-d12	24.66	264	462039	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	579724	134.35	ng	-0.03
7) Phenol-d6	7.10	99	789243	130.85	ng	-0.02
23) Nitrobenzene-d5	9.08	82	472070	70.07	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	281719	111.20	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	985629	73.76	ng	-0.03
79) Terphenyl-d14	19.92	244	1243949	67.63	ng	-0.03

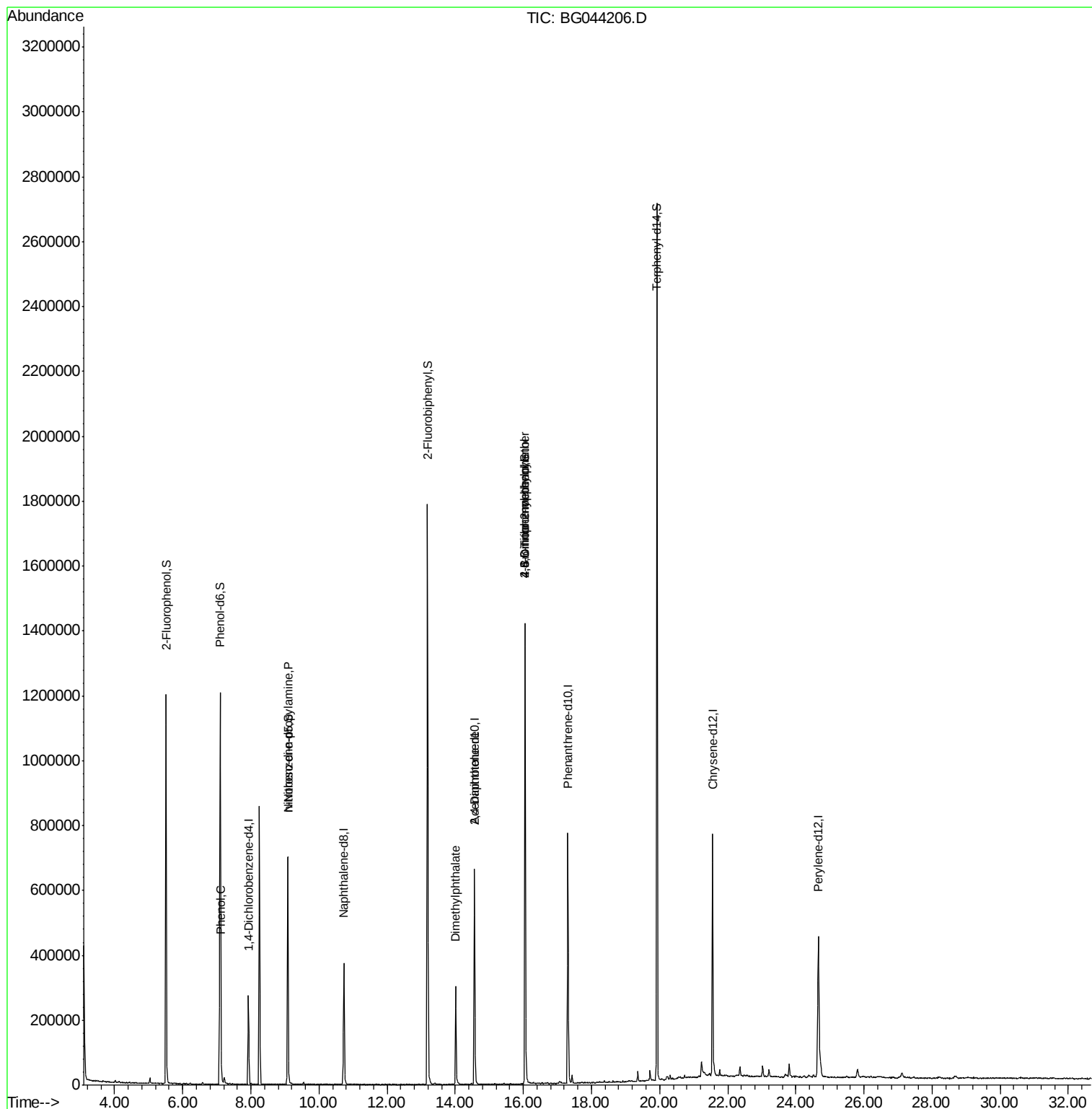
Target Compounds				Qvalue		
10) Phenol	7.12	94	37987	6.113	ng	94
19) n-Nitroso-di-n-propylamine	9.09	70	61204	13.626	ng	# 76
50) Dimethylphthalate	14.02	163	228835	13.312	ng	# 98
57) 2,4-Dinitrotoluene	14.56	165	32442	6.136	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	911	4.720	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	19568	3.579	ng	# 1

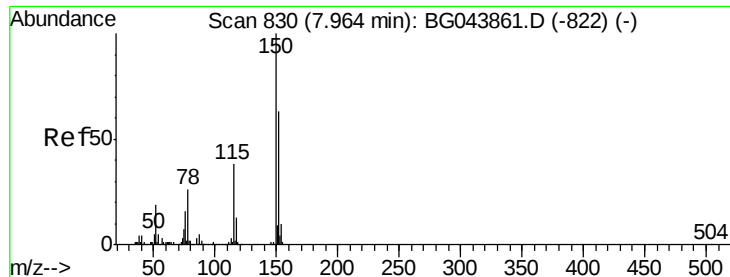
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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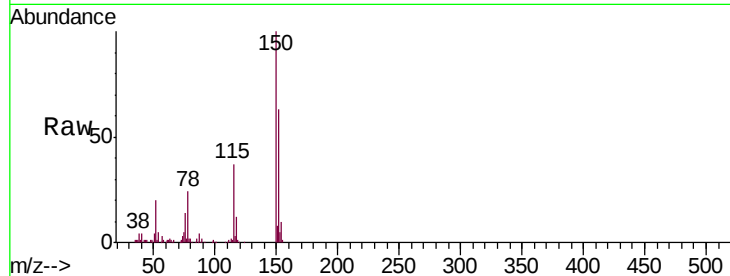


#1

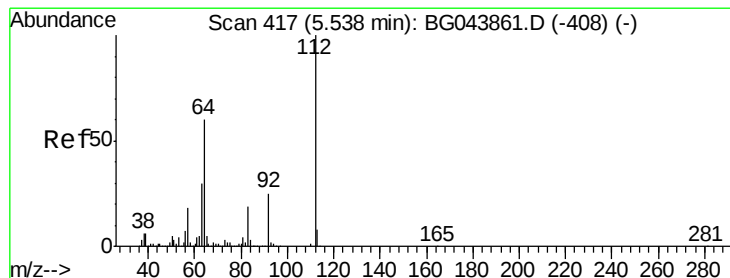
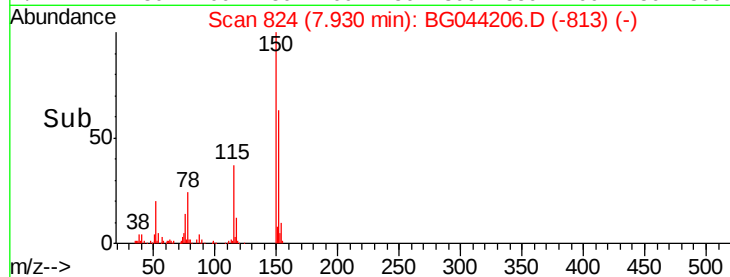
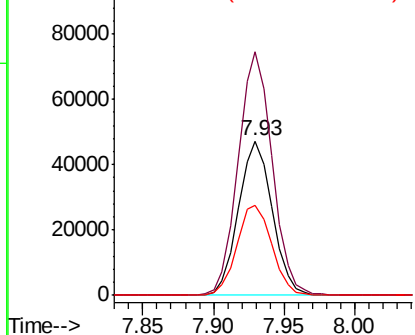
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044206.D
Acq: 25 Jan 2020 7:41

Instrument :
BNA_G
ClientSampleId :
20200056-COMP-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.4
115	58.1	47.8	71.8



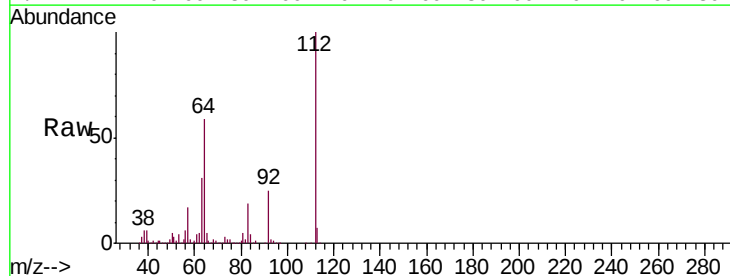
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



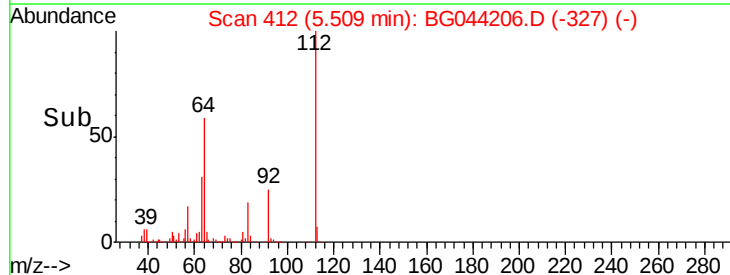
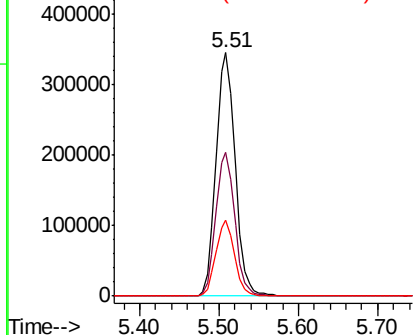
#5

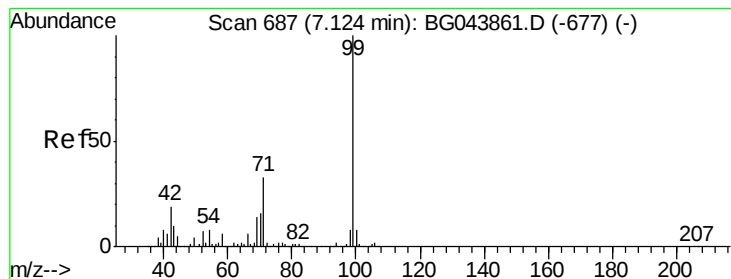
2-Fluorophenol
Concen: 134.354 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044206.D
Acq: 25 Jan 2020 7:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.8	71.6
63	31.0	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: 130.854 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

Instrument :

BNA_G

ClientSampleId :

20200056-COMP-2

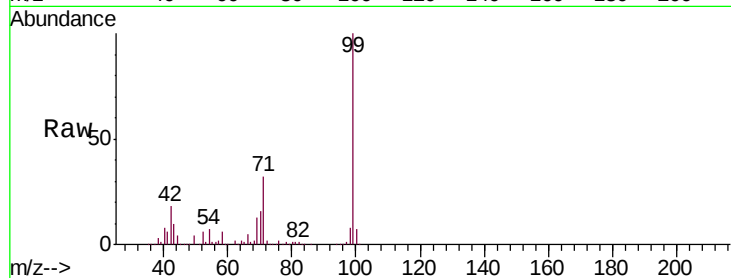
Tgt Ion: 99 Resp: 789243

Ion Ratio Lower Upper

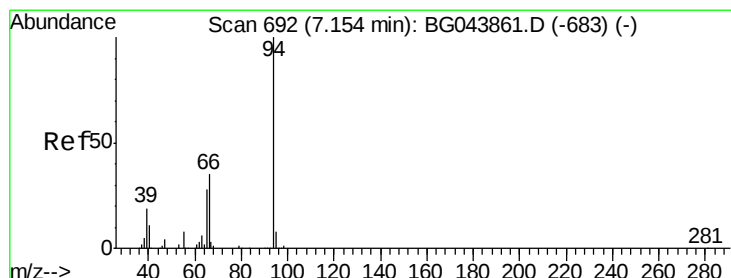
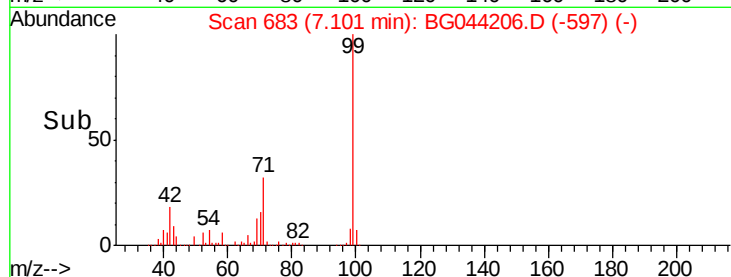
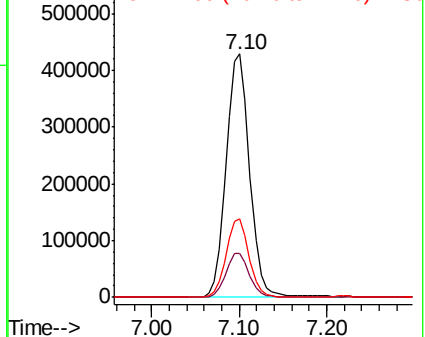
99 100

42 18.2 14.9 22.3

71 32.4 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



#10

Phenol

Concen: 6.113 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

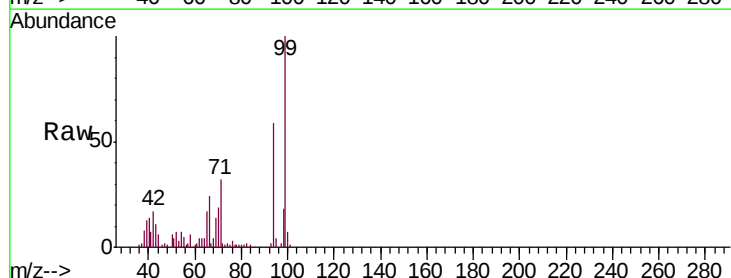
Tgt Ion: 94 Resp: 37987

Ion Ratio Lower Upper

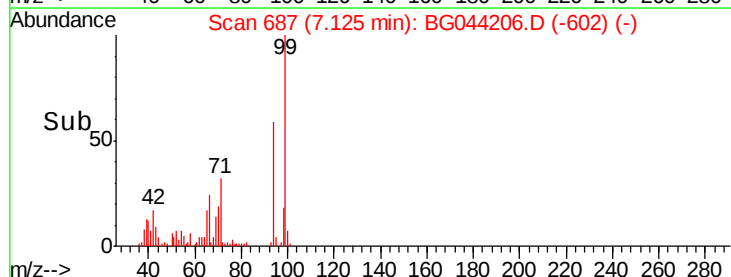
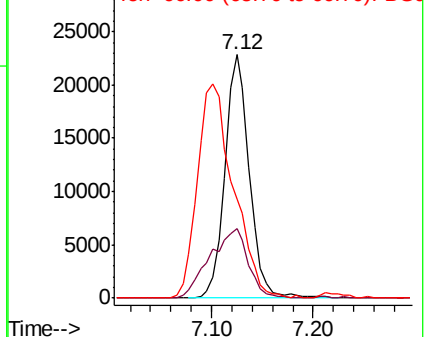
94 100

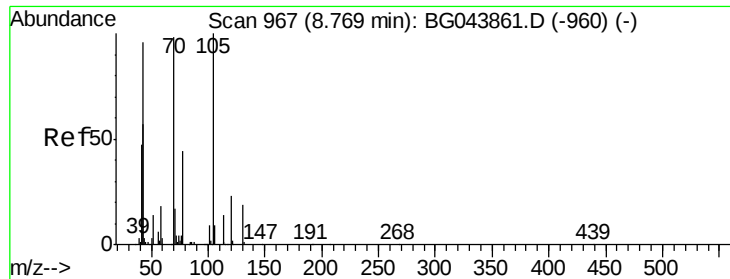
65 28.7 8.1 48.1

66 40.9 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

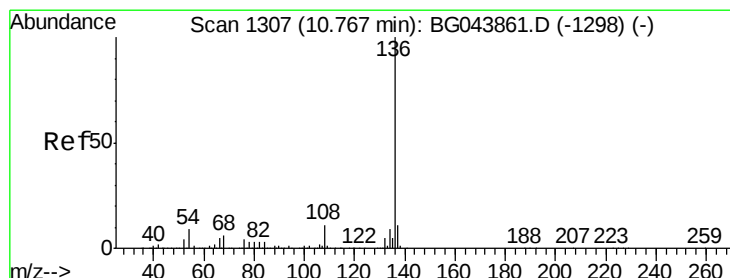
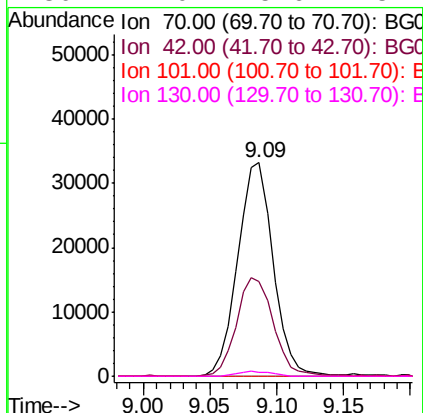
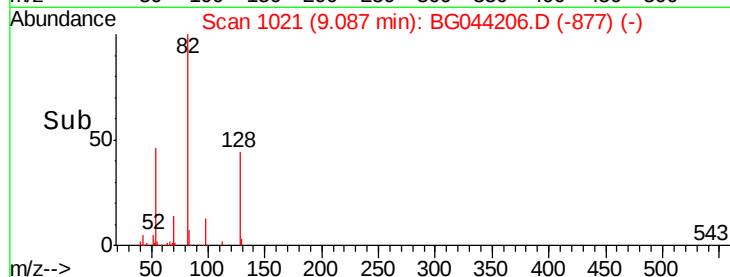
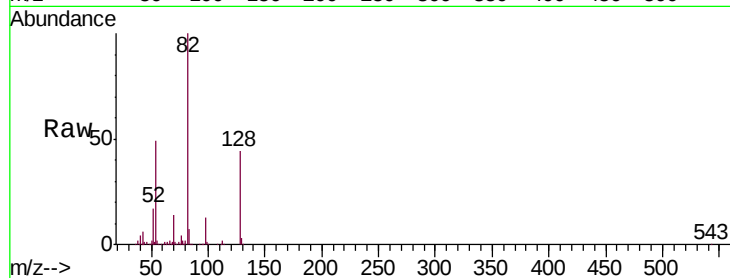




#19
n-Nitroso-di-n-propylamine
Concen: 13.626 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044206.D
Acq: 25 Jan 2020 7:41

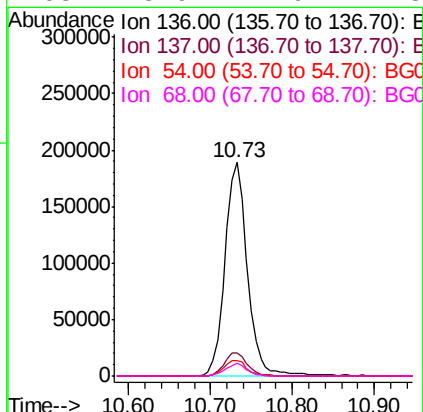
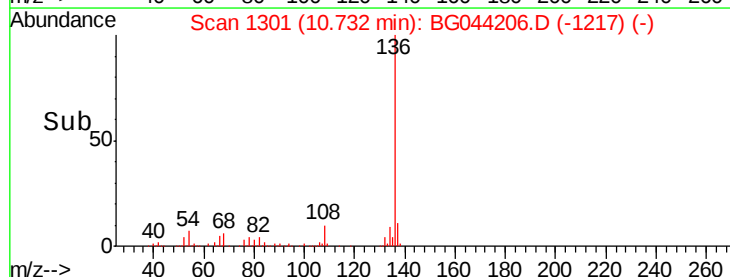
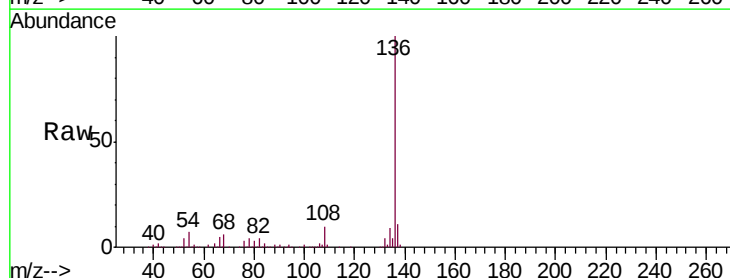
Instrument :
BNA_G
ClientSampleId :
20200056-COMP-2

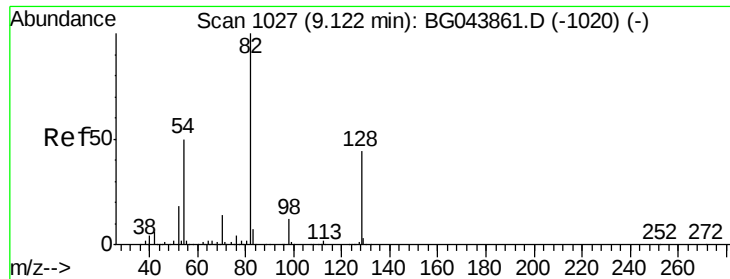
Tgt Ion:	70	Resp:	61204
Ion	Ratio	Lower	Upper
70	100		
42	44.5	47.0	70.4#
101	0.0	7.2	10.8#
130	2.0	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044206.D
Acq: 25 Jan 2020 7:41

Tgt Ion:	136	Resp:	360426
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.5	7.0	10.4
68	5.9	4.9	7.3





#23

Nitrobenzene-d5

Concen: 70.067 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

Instrument :

BNA_G

ClientSampleId :

20200056-COMP-2

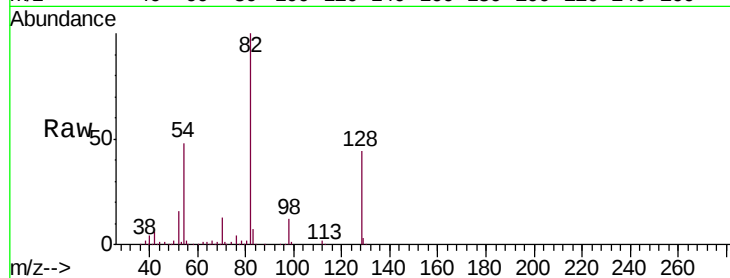
Tgt Ion: 82 Resp: 472070

Ion Ratio Lower Upper

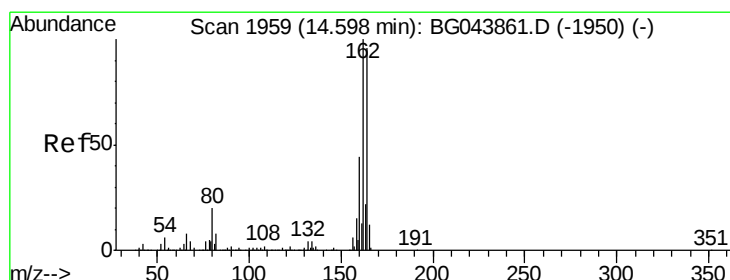
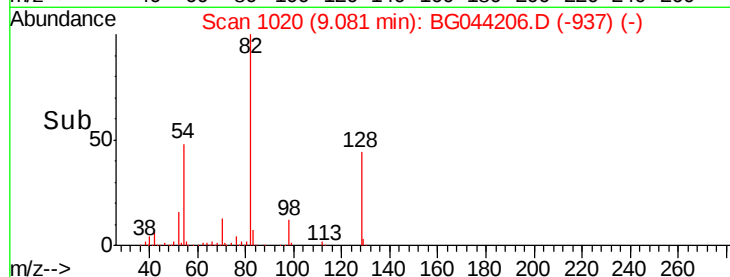
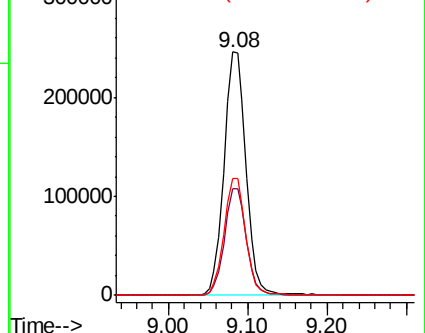
82 100

128 43.7 35.1 52.7

54 48.2 40.1 60.1



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: 14.56 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

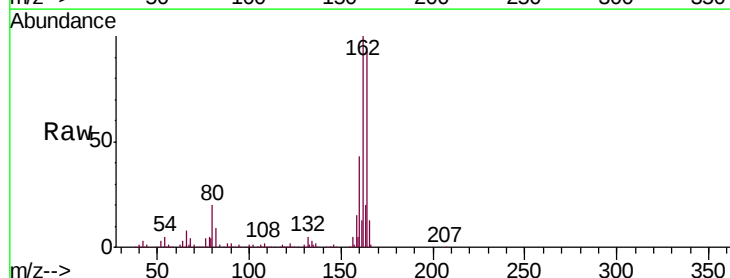
Tgt Ion: 164 Resp: 242102

Ion Ratio Lower Upper

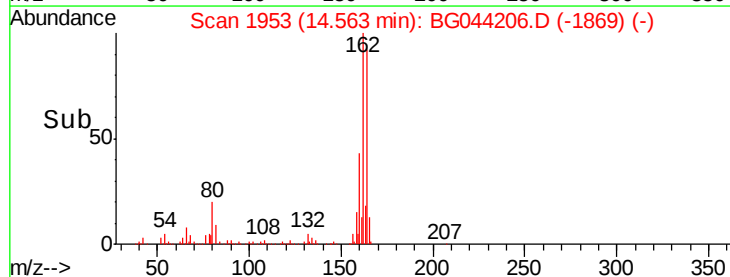
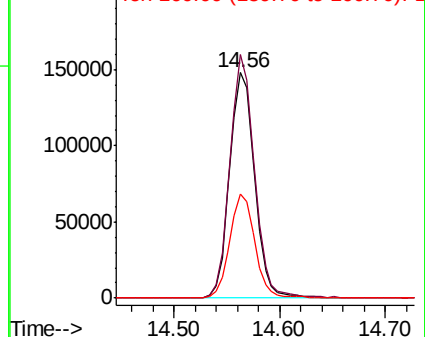
164 100

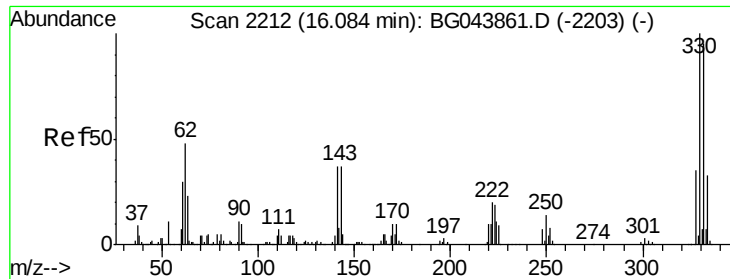
162 108.0 83.0 124.4

160 46.4 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 111.195 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

Instrument :

BNA_G

ClientSampleId :

20200056-COMP-2

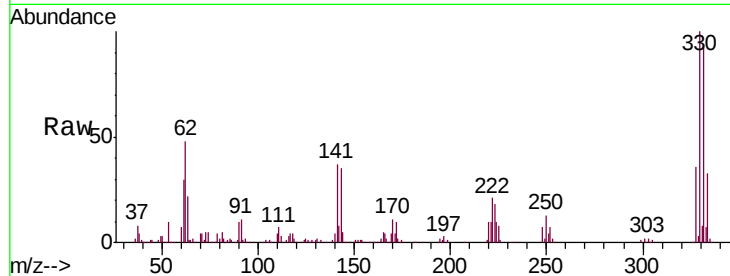
Tgt Ion:330 Resp: 281719

Ion Ratio Lower Upper

330 100

332 94.1 77.2 115.8

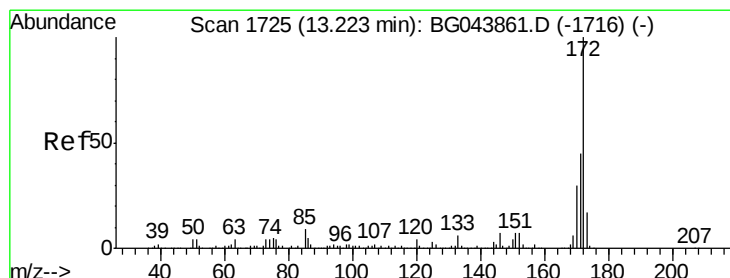
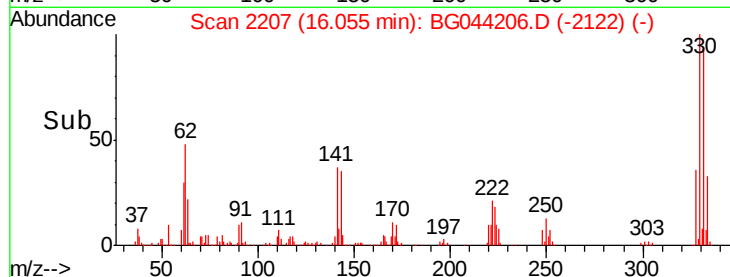
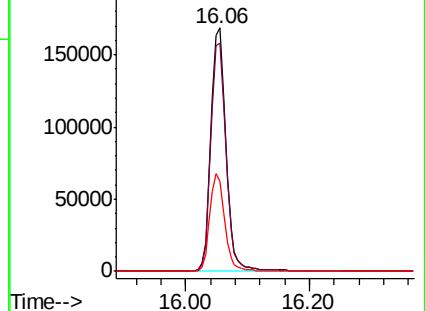
141 39.8 33.1 49.7



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: 73.759 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

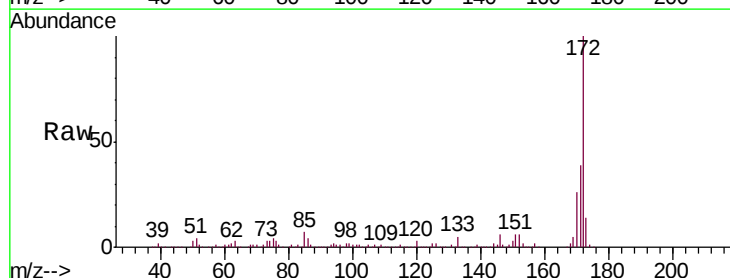
Tgt Ion:172 Resp: 985629

Ion Ratio Lower Upper

172 100

171 38.9 35.8 53.8

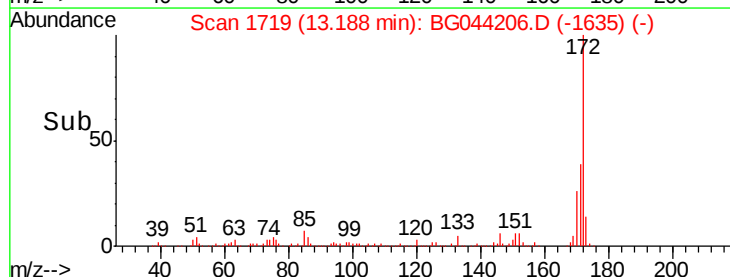
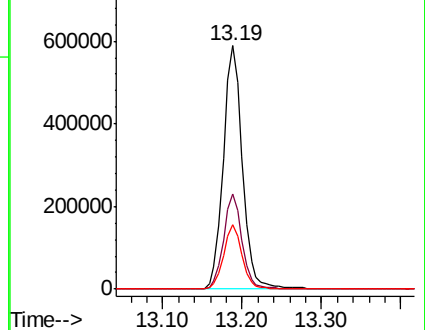
170 26.3 24.2 36.4

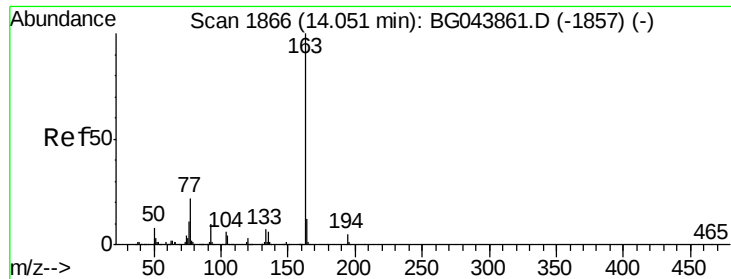


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 13.312 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

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20200056-COMP-2

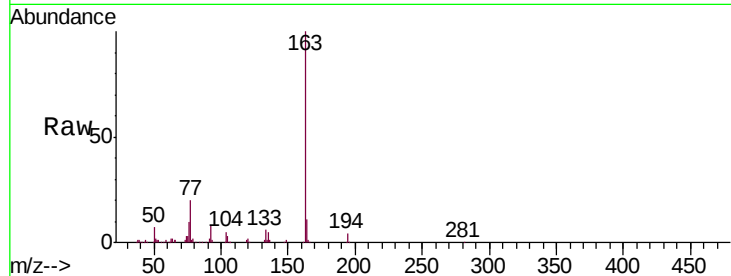
Tgt Ion:163 Resp: 228835

Ion Ratio Lower Upper

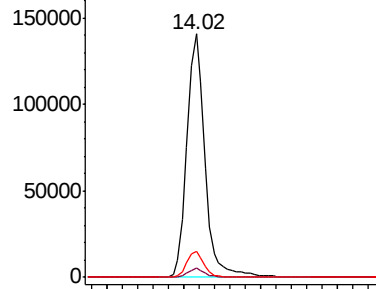
163 100

194 3.6 3.7 5.5#

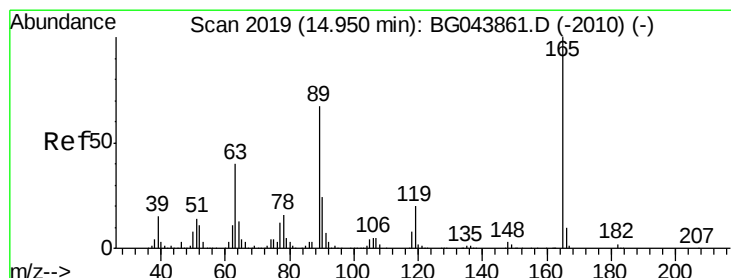
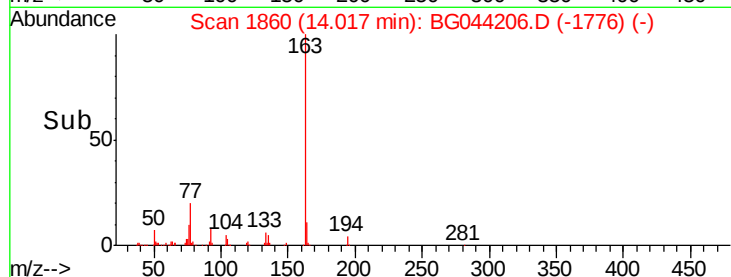
164 10.7 9.3 13.9



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



Time--> 13.90 14.00 14.10 14.20



#57

2,4-Dinitrotoluene

Concen: 6.136 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

Tgt Ion:165 Resp: 32442

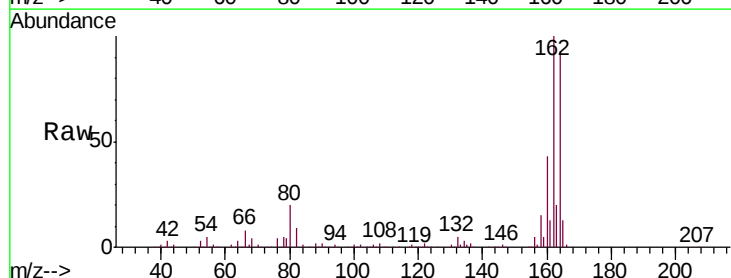
Ion Ratio Lower Upper

165 100

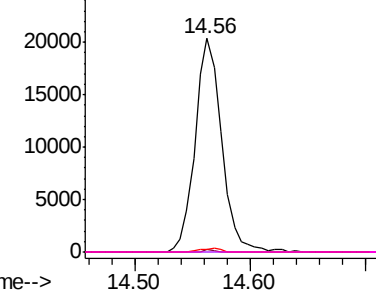
63 0.9 31.9 47.9#

89 1.1 53.8 80.6#

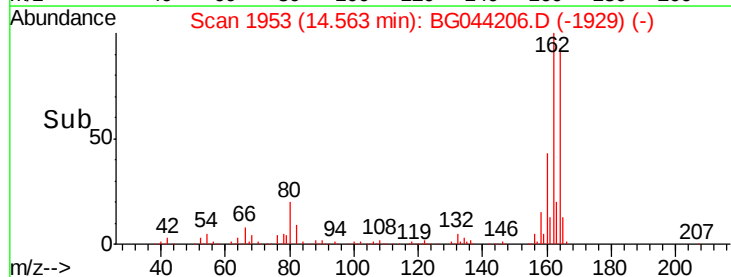
182 0.0 2.0 3.0#

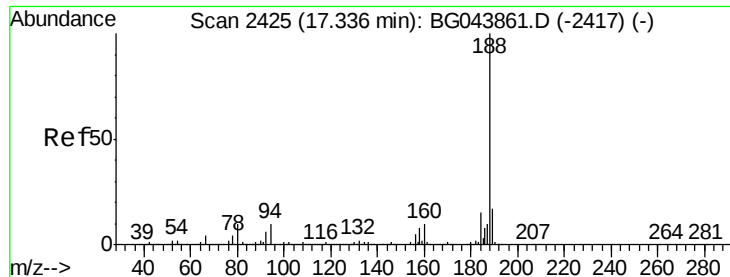


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time--> 14.50 14.60





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

Instrument :

BNA_G

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20200056-COMP-2

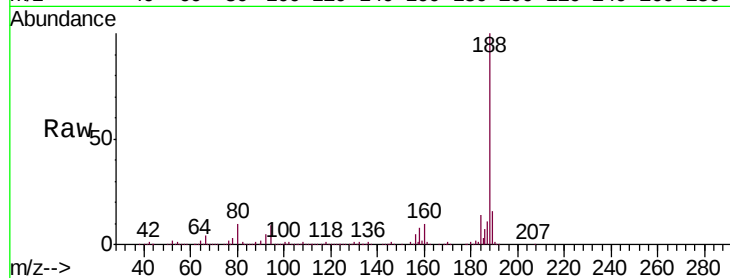
Tgt Ion:188 Resp: 486078

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

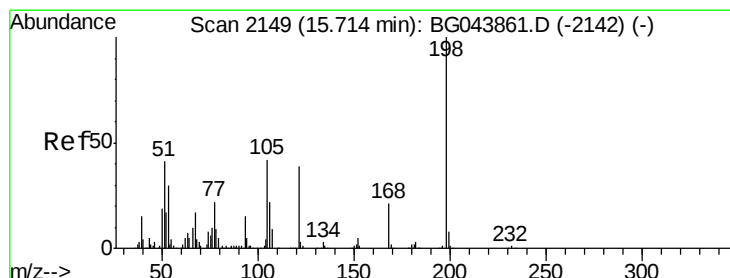
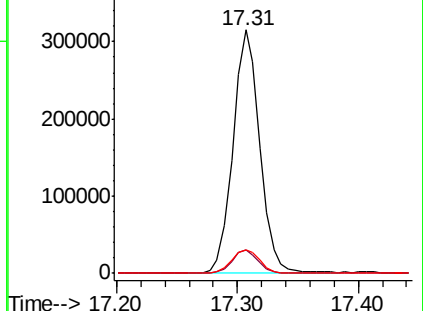
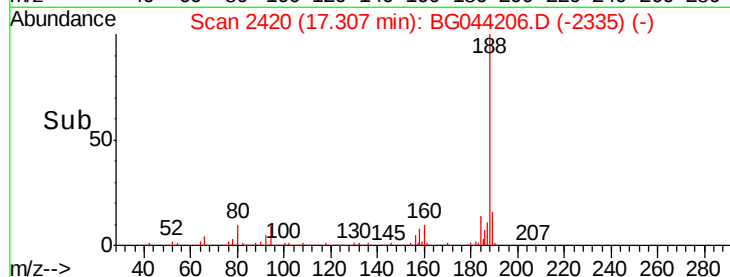
80 9.8 8.2 12.4



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: 4.720 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

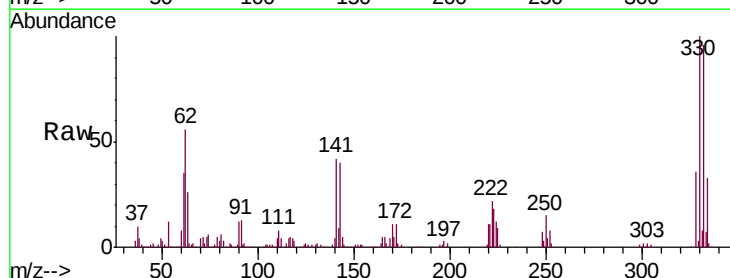
Tgt Ion:198 Resp: 911

Ion Ratio Lower Upper

198 100

51 175.2 22.5 62.5#

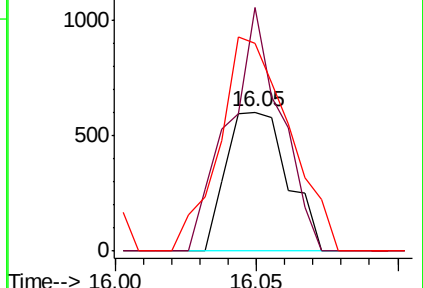
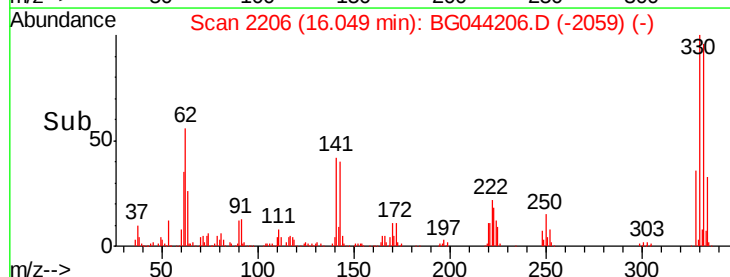
105 149.3 22.3 62.3#

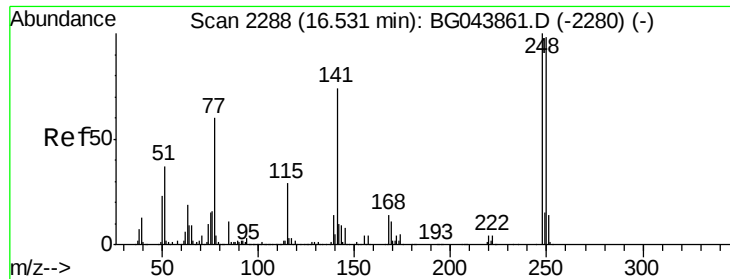


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

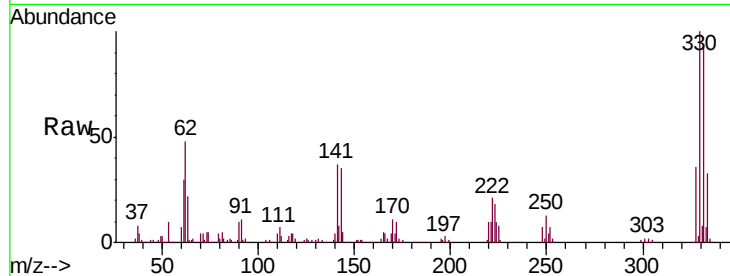




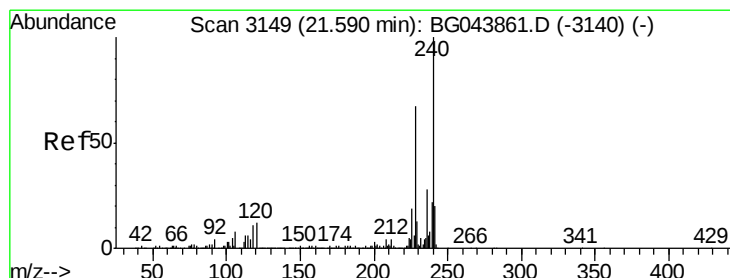
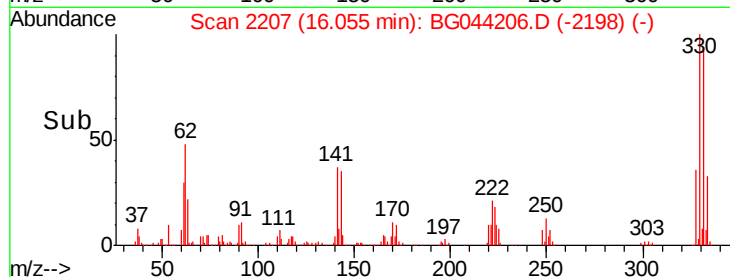
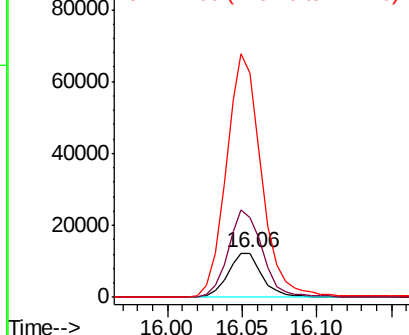
#67
 4-Bromophenyl-phenylether
 Concen: 3.579 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044206.D
 Acq: 25 Jan 2020 7:41

Instrument :
 BNA_G
 ClientSampleId :
 20200056-COMP-2

Tgt Ion:248 Resp: 19568
 Ion Ratio Lower Upper
 248 100
 250 180.0 78.2 117.2#
 141 506.8 59.3 88.9#

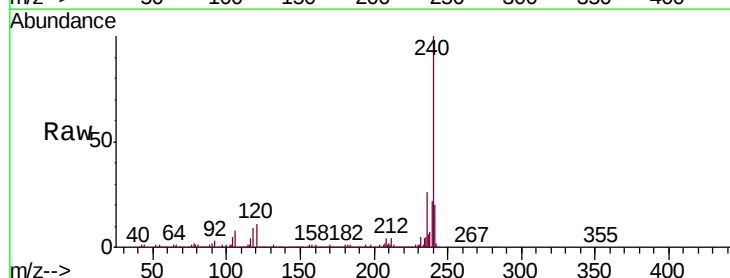


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

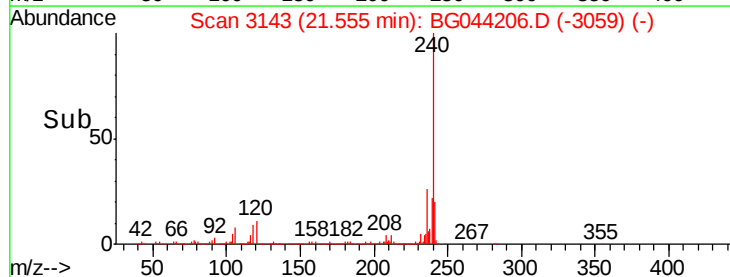
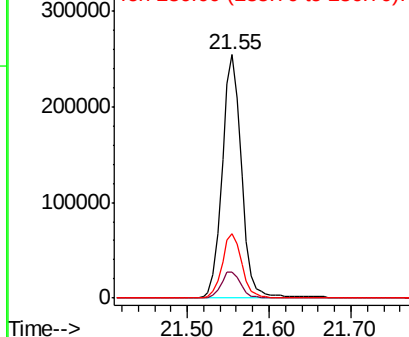


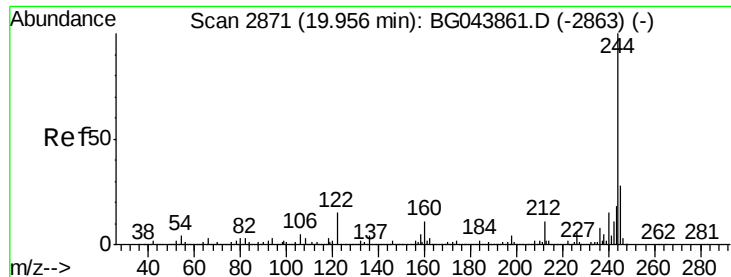
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044206.D
 Acq: 25 Jan 2020 7:41

Tgt Ion:240 Resp: 418679
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.6 14.4
 236 26.4 22.2 33.2



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: 67.625 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

Instrument :

BNA_G

ClientSampleId :

20200056-COMP-2

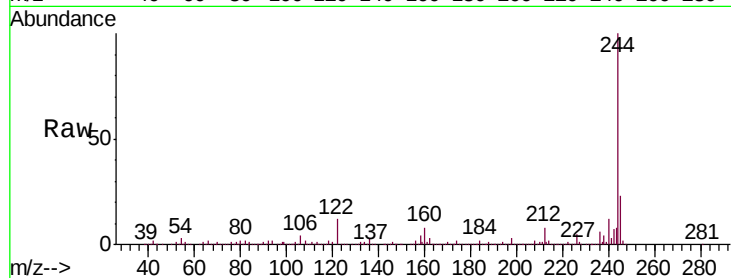
Tgt Ion:244 Resp: 1243949

Ion Ratio Lower Upper

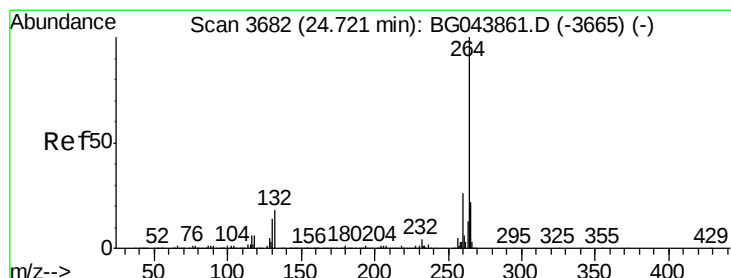
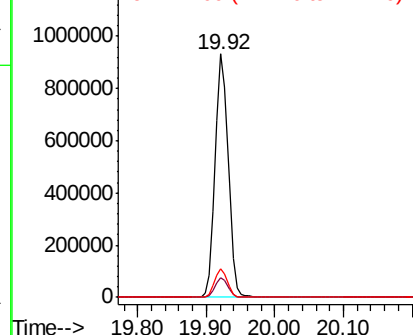
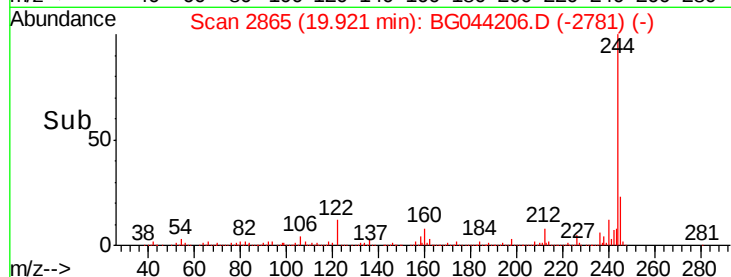
244 100

212 8.2 8.6 13.0#

122 11.7 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: 24.66 min Scan# 3672

Delta R.T. -0.06 min

Lab File: BG044206.D

Acq: 25 Jan 2020 7:41

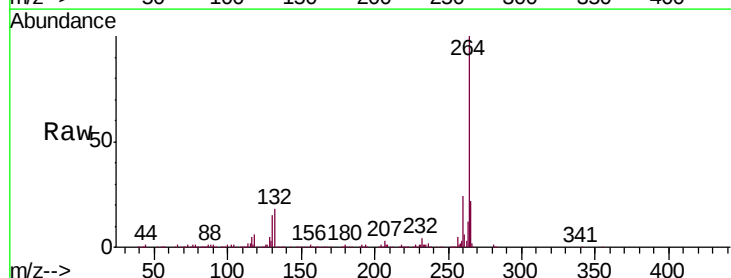
Tgt Ion:264 Resp: 462039

Ion Ratio Lower Upper

264 100

260 23.7 20.4 30.6

265 21.9 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

