

Data File : BG044196.D
Acq On : 25 Jan 2020 1:11
Operator : CG/JU
Sample : PB126331BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126331BL

Quant Time: Jan 27 00:47:57 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

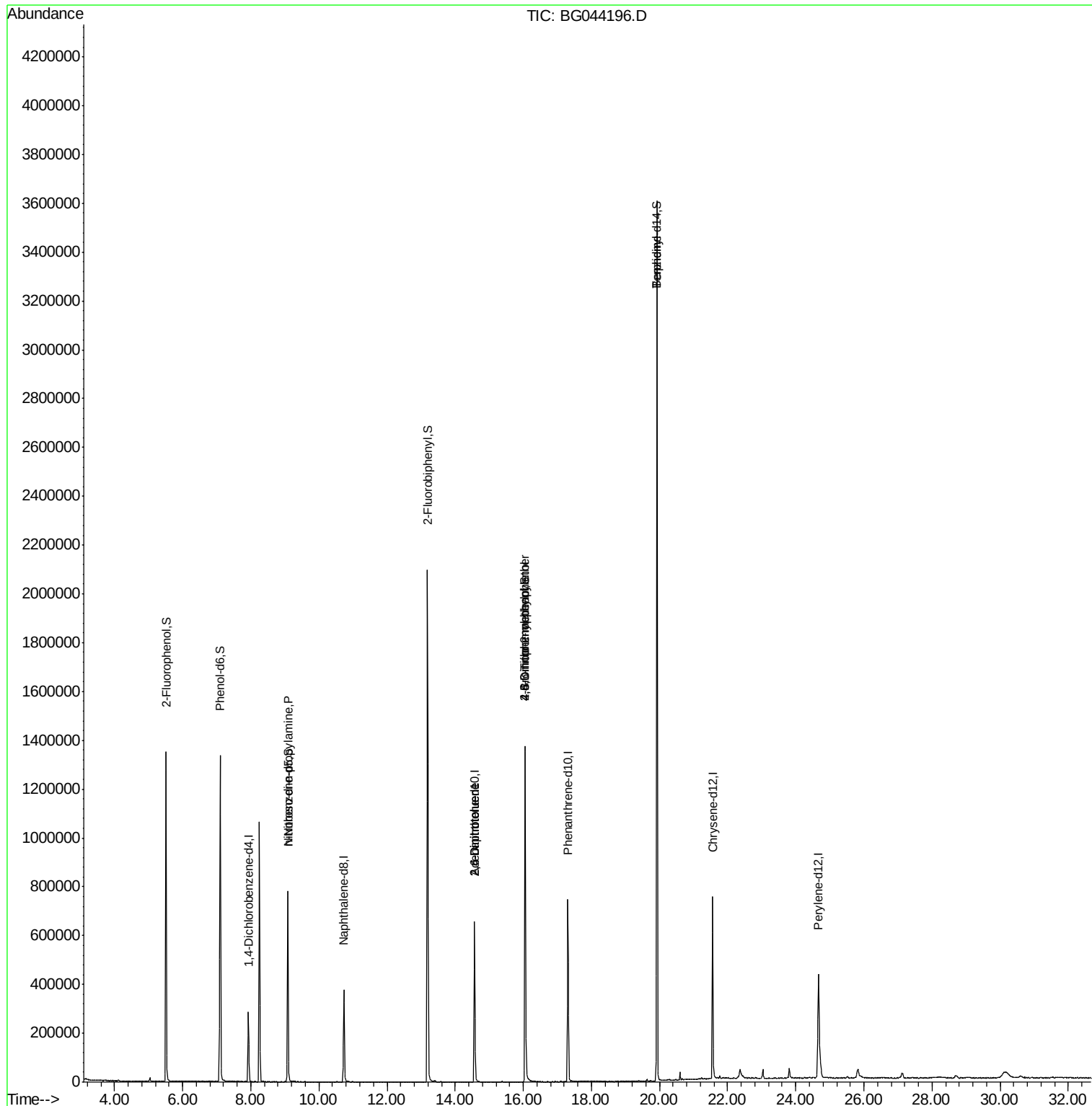
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	85294	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	367482	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	254124	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	510743	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	436657	20.00	ng	-0.03
87) Perylene-d12	24.67	264	482975	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	645507	138.96	ng	-0.03
7) Phenol-d6	7.10	99	840393	129.42	ng	-0.02
23) Nitrobenzene-d5	9.09	82	506287	73.70	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	298619	112.29	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1217230	86.78	ng	-0.03
79) Terphenyl-d14	19.92	244	1699188	97.40	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	66043	13.657	ng	# 77
51) 2,6-Dinitrotoluene	14.57	165	32995	8.090	ng	# 25
57) 2,4-Dinitrotoluene	14.57	165	33148	5.973	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	860	4.687	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	20664	3.597	ng	# 1
77) Benzidine	19.92	184	28388	2.586	ng	# 89

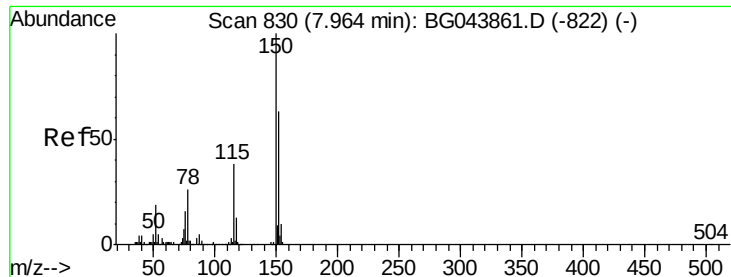
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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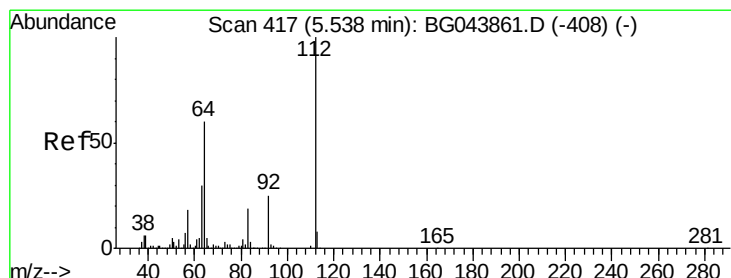
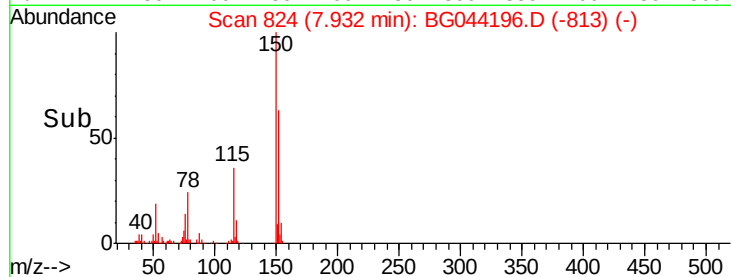
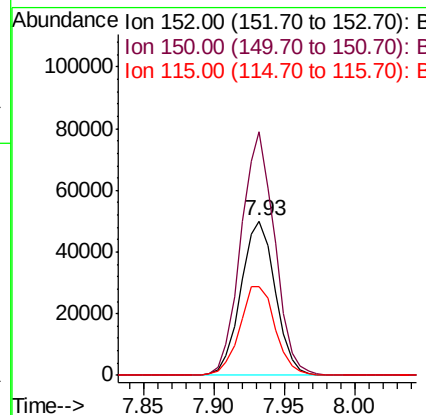
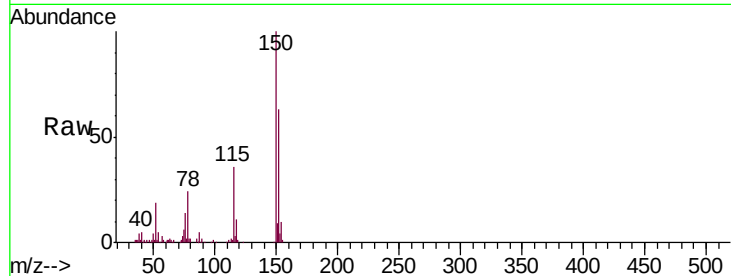


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044196.D
Acq: 25 Jan 2020 1:11

Instrument :
BNA_G
ClientSampleId :
PB126331BL

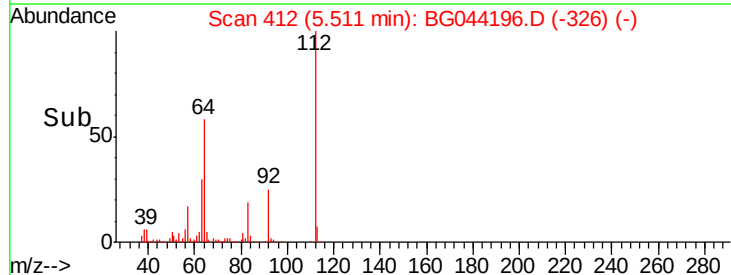
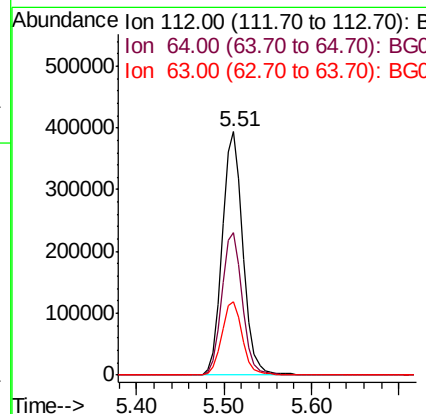
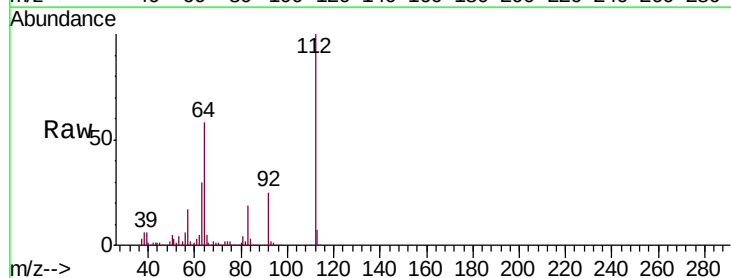
Tgt Ion:152 Resp: 85294
Ion Ratio Lower Upper
152 100
150 157.6 127.0 190.4
115 57.5 47.8 71.8

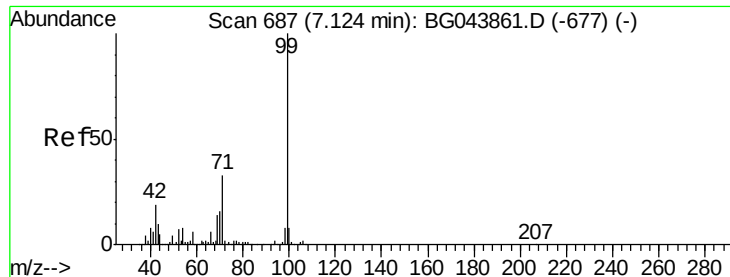


#5

2-Fluorophenol
Concen: 138.958 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044196.D
Acq: 25 Jan 2020 1:11

Tgt Ion:112 Resp: 645507
Ion Ratio Lower Upper
112 100
64 58.3 47.8 71.6
63 29.9 24.3 36.5





#7

Phenol-d6

Concen: 129.424 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

PB126331BL

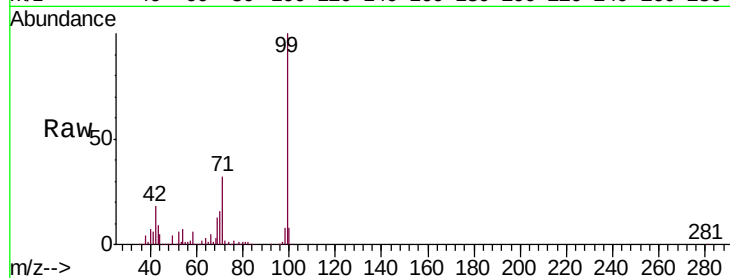
Tgt Ion: 99 Resp: 840393

Ion Ratio Lower Upper

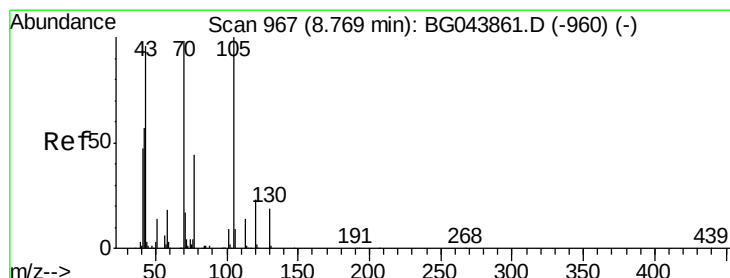
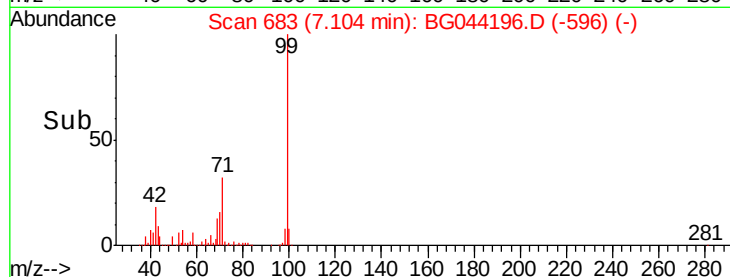
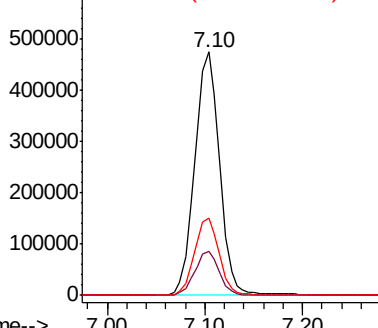
99 100

42 18.2 14.9 22.3

71 31.6 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: 13.657 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

Tgt Ion: 70 Resp: 66043

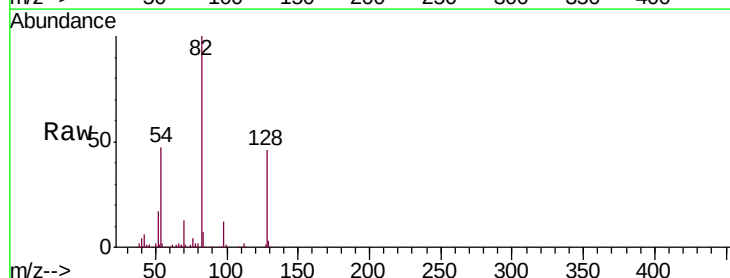
Ion Ratio Lower Upper

70 100

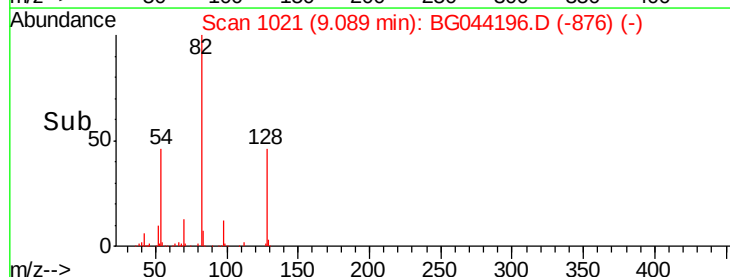
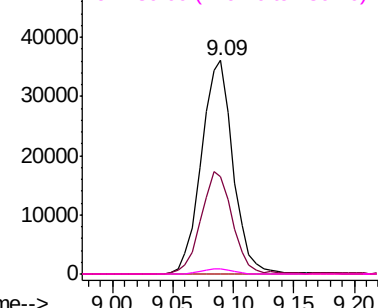
42 45.4 47.0 70.4#

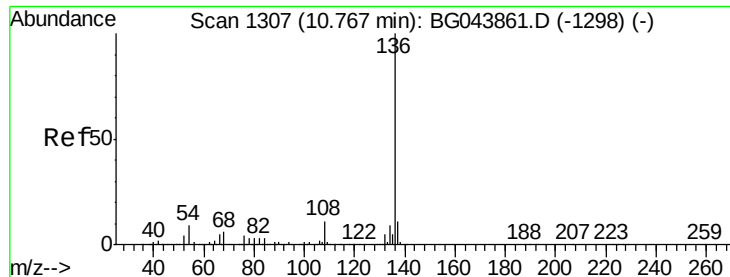
101 0.0 7.2 10.8#

130 2.3 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

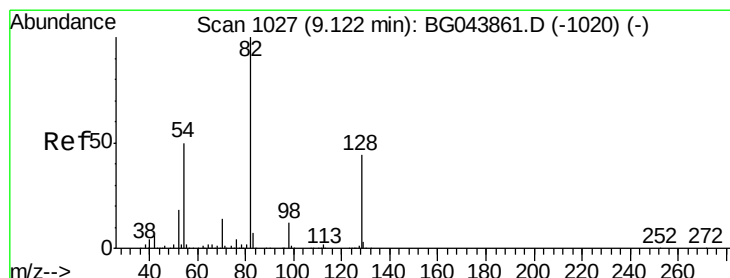
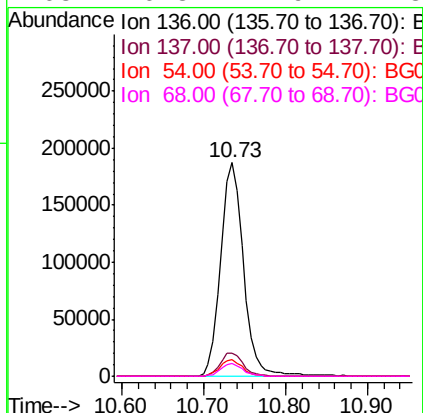
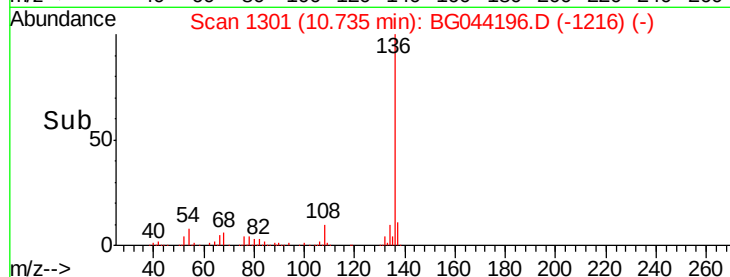
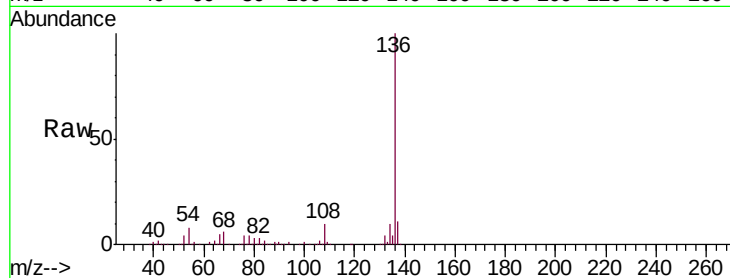




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044196.D
Acq: 25 Jan 2020 1:11

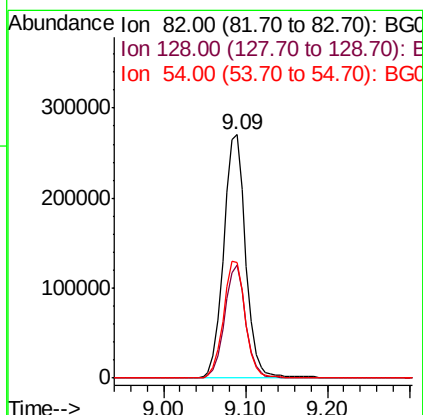
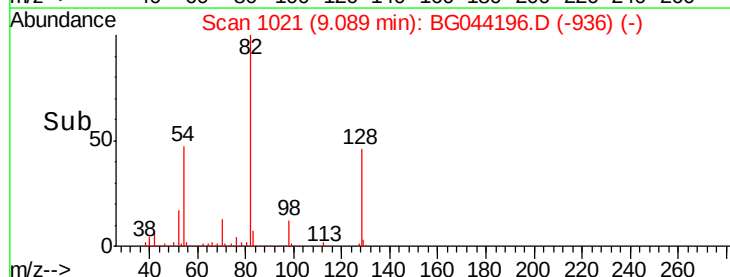
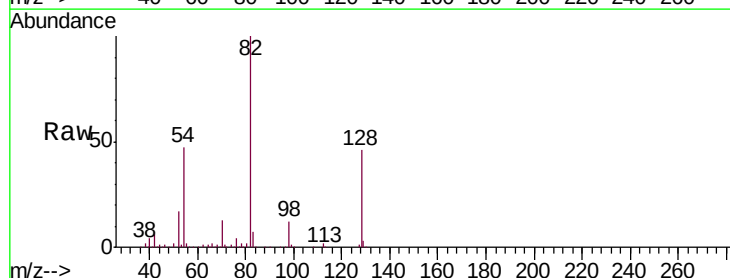
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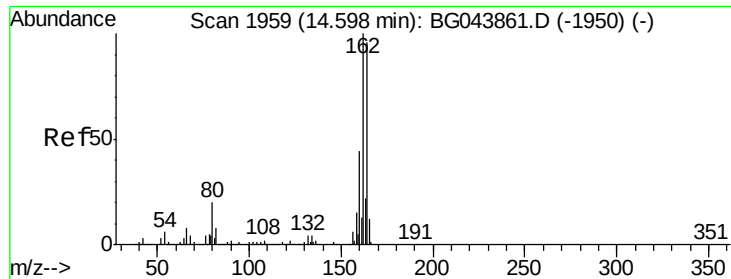
Tgt Ion:	136	Resp:	367482
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	7.0	10.4
68	6.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 73.702 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044196.D
Acq: 25 Jan 2020 1:11

Tgt Ion:	82	Resp:	506287
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.1	52.7
54	47.5	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

PB126331BL

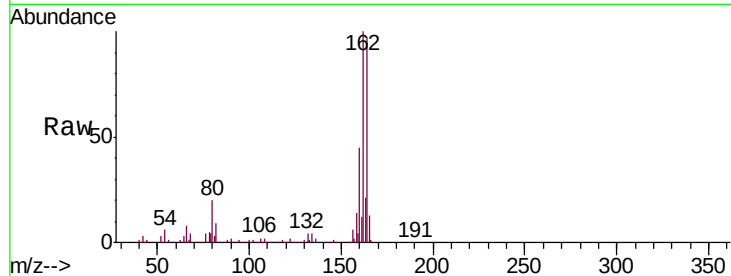
Tgt Ion:164 Resp: 254124

Ion Ratio Lower Upper

164 100

162 103.6 83.0 124.4

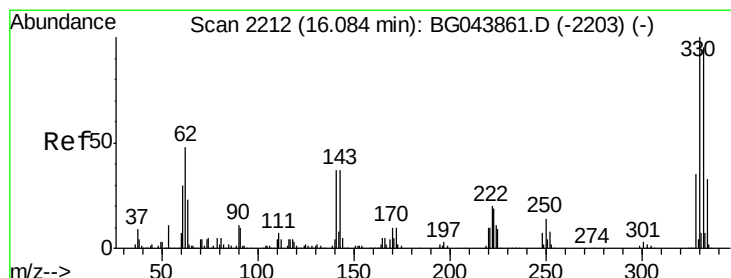
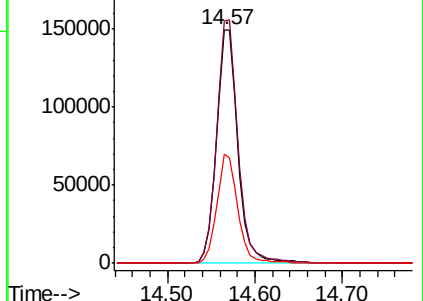
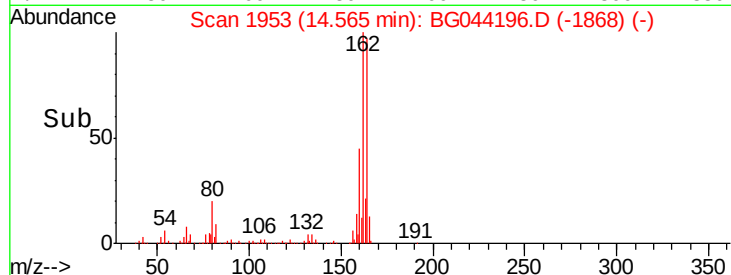
160 46.5 36.1 54.1



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: 112.290 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

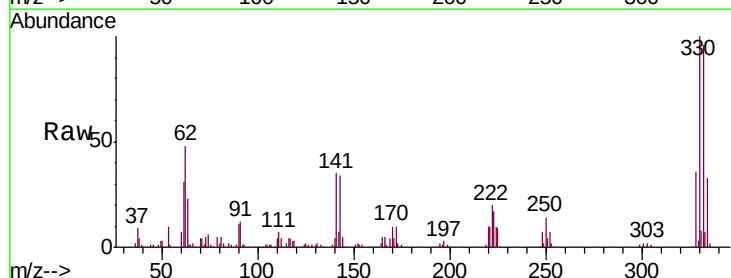
Tgt Ion:330 Resp: 298619

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

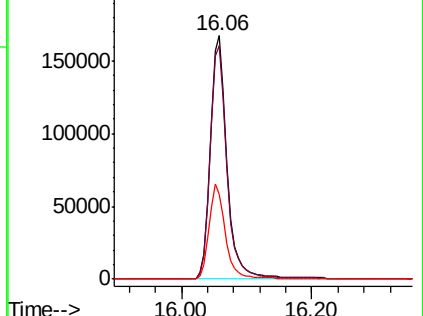
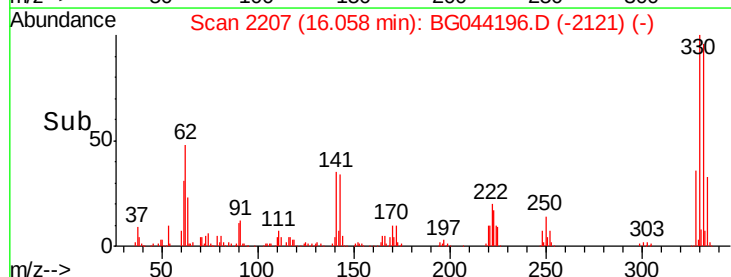
141 38.1 33.1 49.7

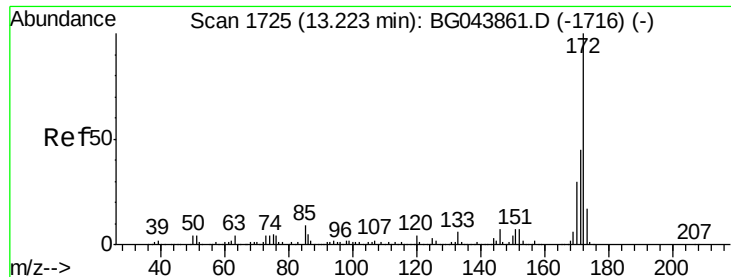


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

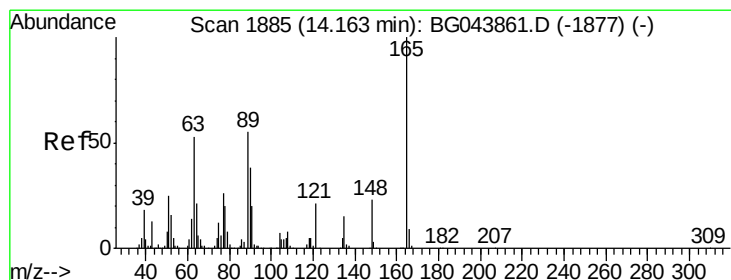
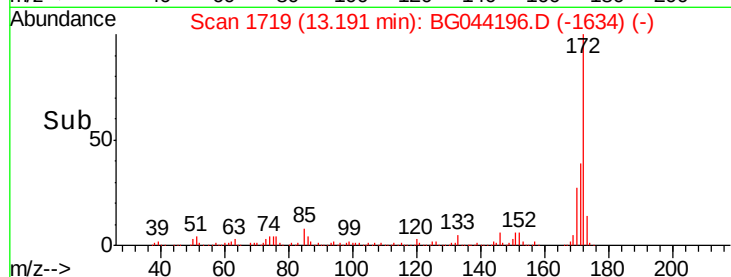
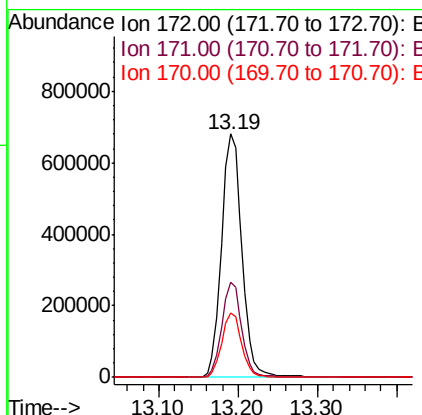
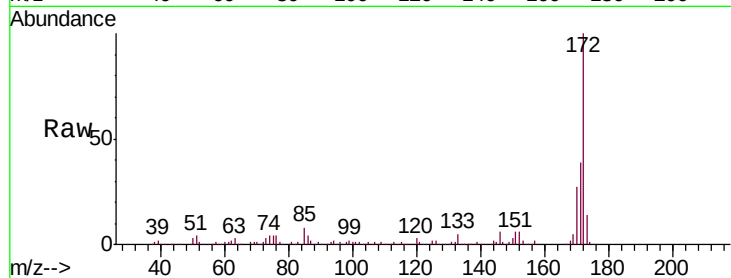




#45
 2-Fluorobiphenyl
 Concen: 86.782 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044196.D
 Acq: 25 Jan 2020 1:11

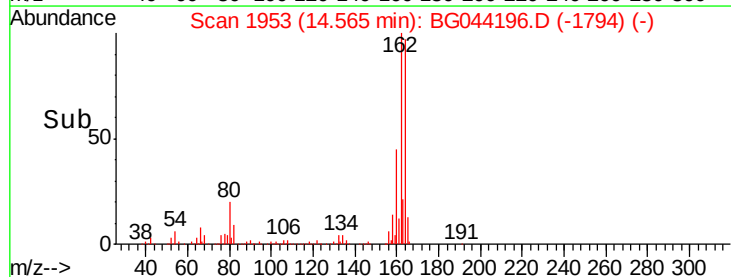
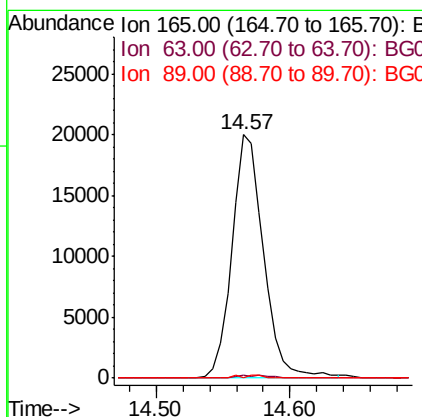
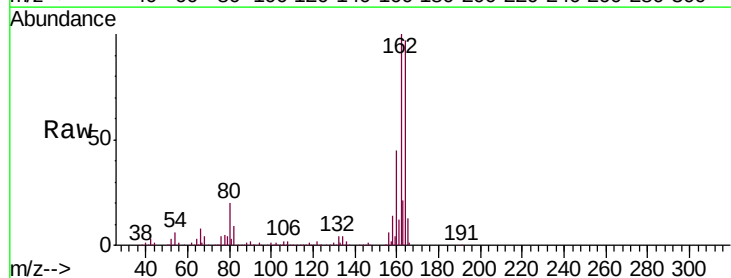
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 ClientSampleId :
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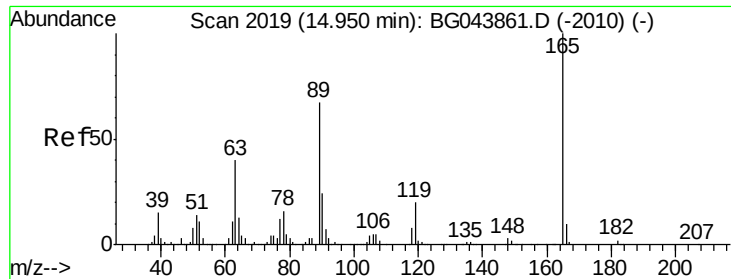
Tgt Ion:172 Resp: 1217230
 Ion Ratio Lower Upper
 172 100
 171 38.9 35.8 53.8
 170 26.5 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.090 ng
 RT: 14.57 min Scan# 1953
 Delta R.T. 0.40 min
 Lab File: BG044196.D
 Acq: 25 Jan 2020 1:11

Tgt Ion:165 Resp: 32995
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.1 64.7#
 89 0.0 43.8 65.6#

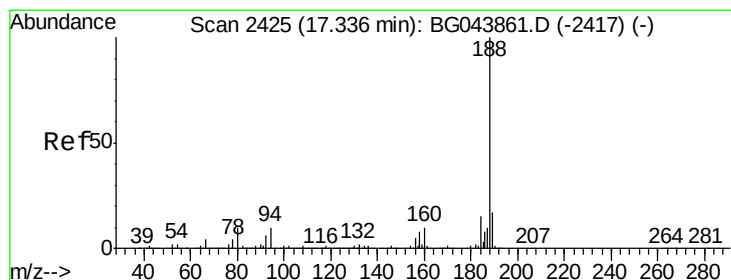
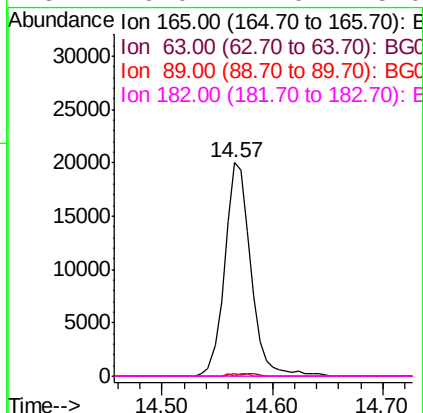
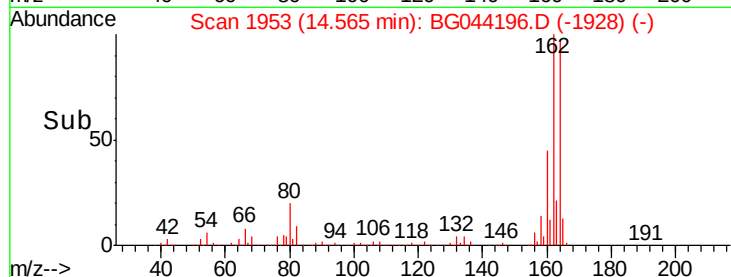
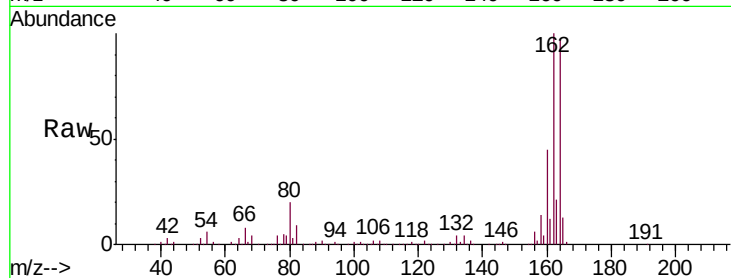




#57
 2,4-Dinitrotoluene
 Concen: 5.973 ng
 RT: 14.57 min Scan# 1953
 Delta R.T. -0.38 min
 Lab File: BG044196.D
 Acq: 25 Jan 2020 1:11

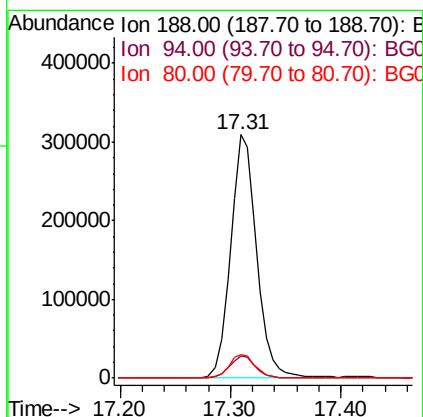
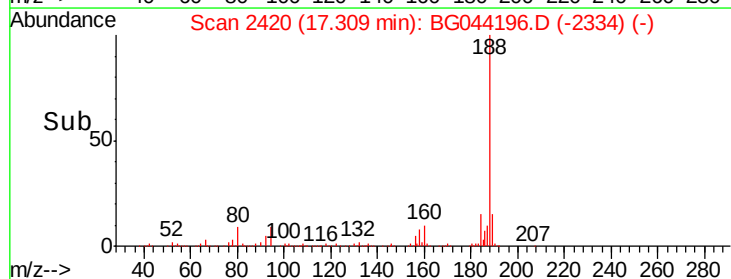
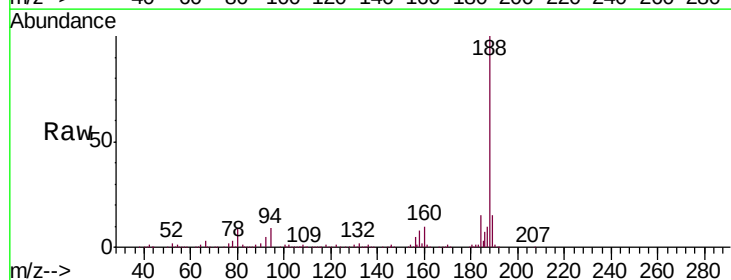
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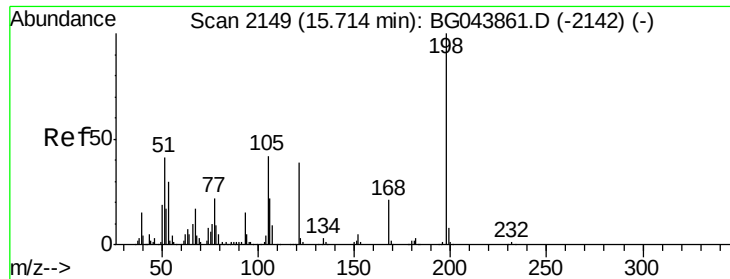
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	31.9	47.9#
89	0.0	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044196.D
 Acq: 25 Jan 2020 1:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.9	11.9
80	9.4	8.2	12.4

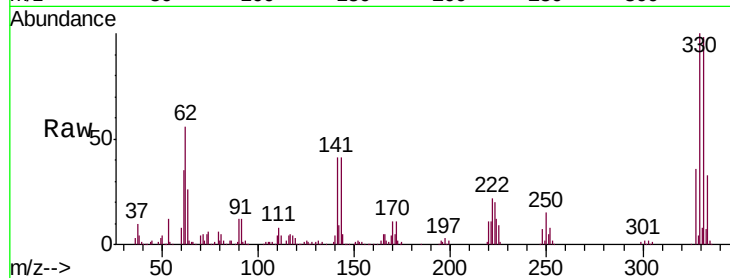




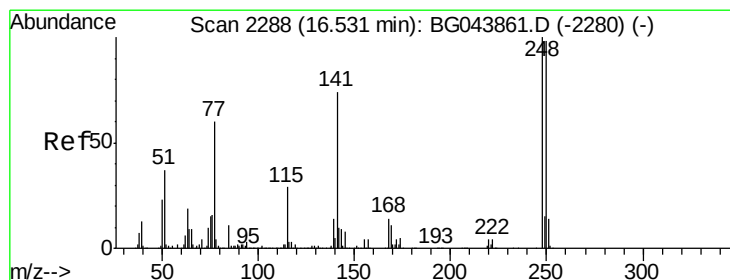
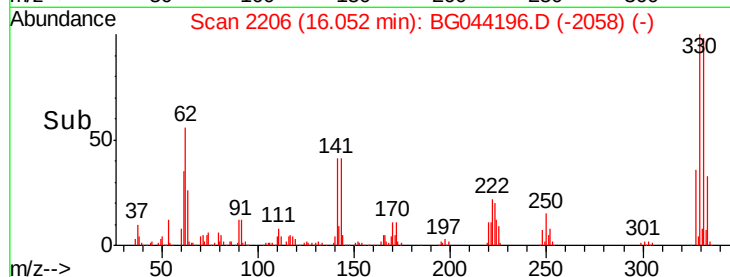
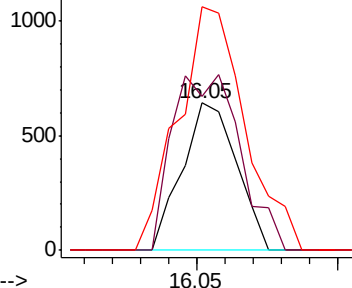
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.687 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.34 min
 Lab File: BG044196.D
 Acq: 25 Jan 2020 1:11

Instrument :
 BNA_G
 ClientSampleId :
 PB126331BL

Tgt Ion:198 Resp: 860
 Ion Ratio Lower Upper
 198 100
 51 105.0 22.5 62.5#
 105 165.4 22.3 62.3#

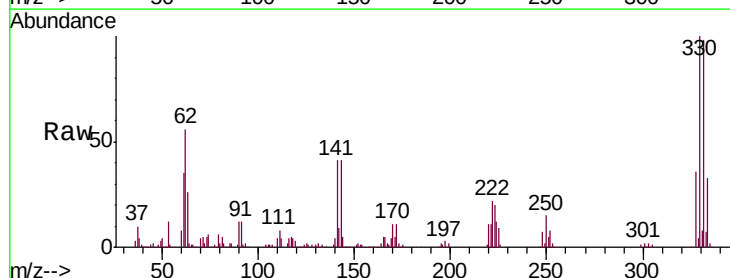


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

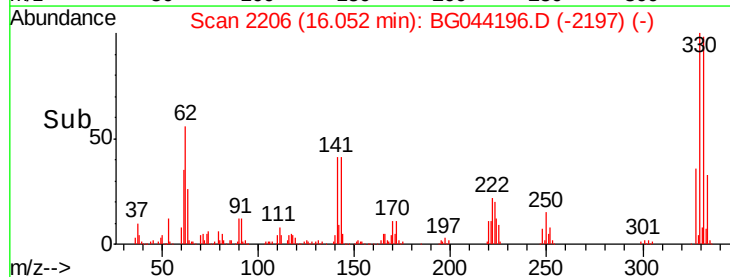
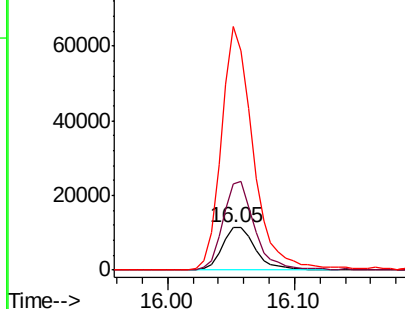


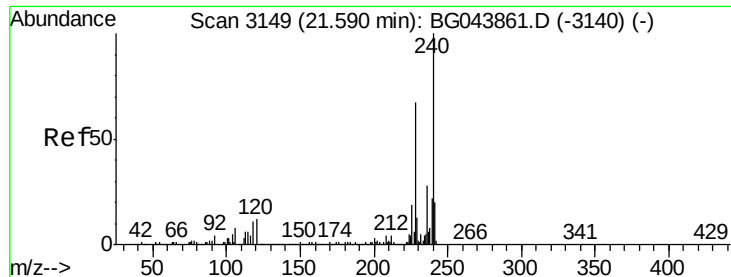
#67
 4-Bromophenyl-phenylether
 Concen: 3.597 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044196.D
 Acq: 25 Jan 2020 1:11

Tgt Ion:248 Resp: 20664
 Ion Ratio Lower Upper
 248 100
 250 204.8 78.2 117.2#
 141 575.4 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: 21.56 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

PB126331BL

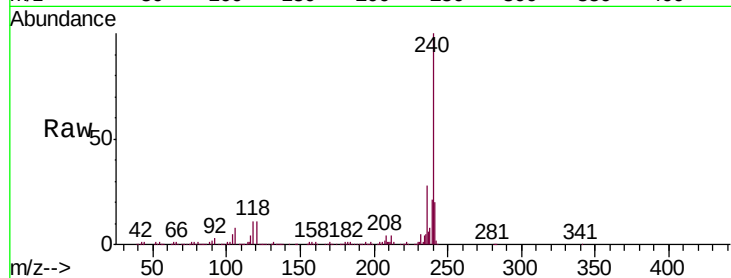
Tgt Ion:240 Resp: 436657

Ion Ratio Lower Upper

240 100

120 10.6 9.6 14.4

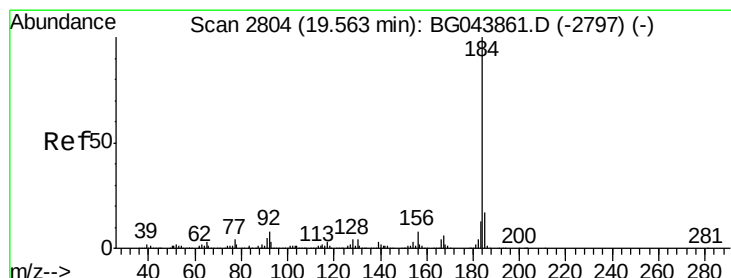
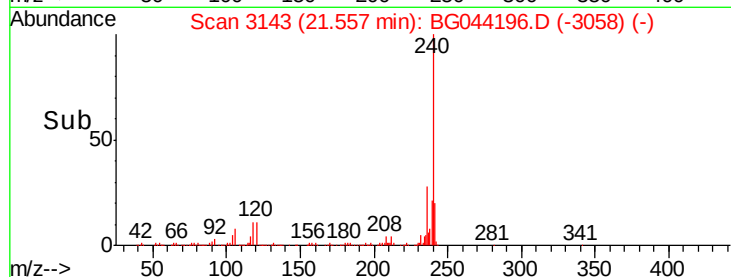
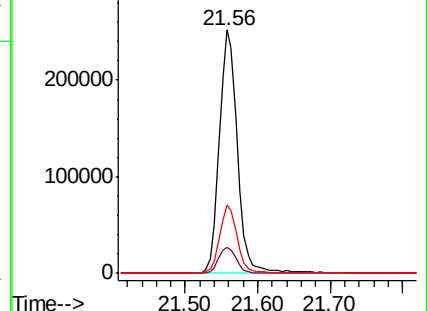
236 27.9 22.2 33.2



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



#77

Benzidine

Concen: 2.586 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

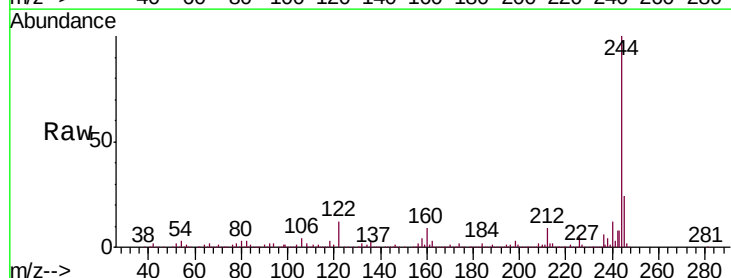
Tgt Ion:184 Resp: 28388

Ion Ratio Lower Upper

184 100

185 15.0 13.4 20.0

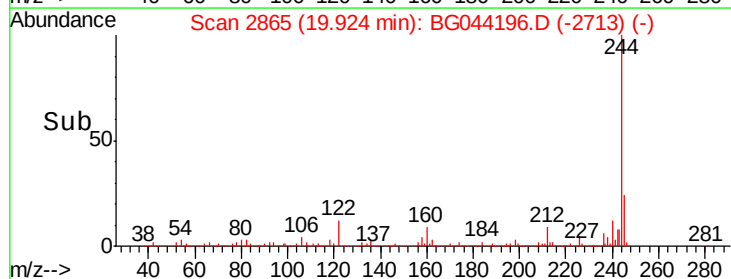
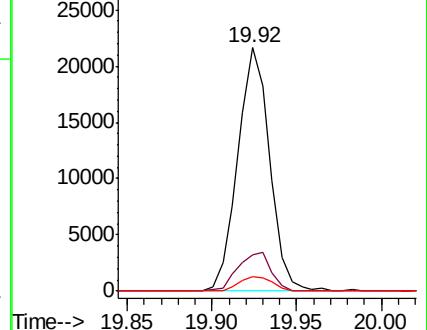
183 5.7 10.6 15.8#

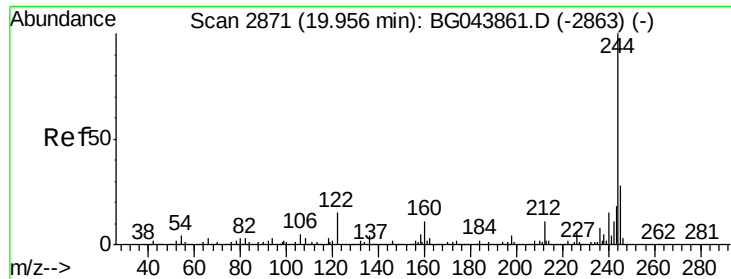


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 97.403 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

PB126331BL

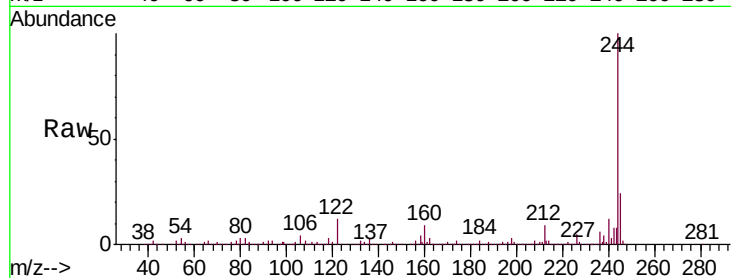
Tgt Ion:244 Resp: 1699188

Ion Ratio Lower Upper

244 100

212 8.8 8.6 13.0

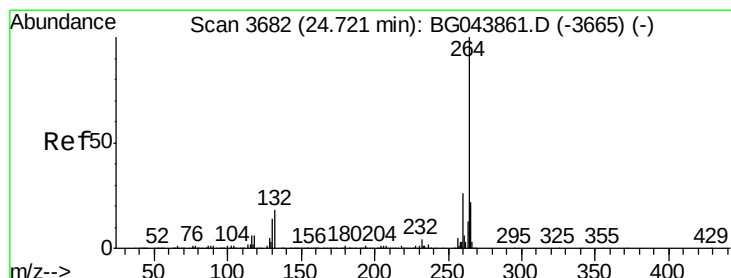
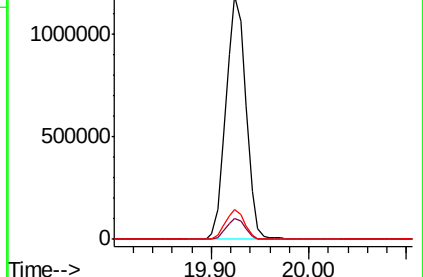
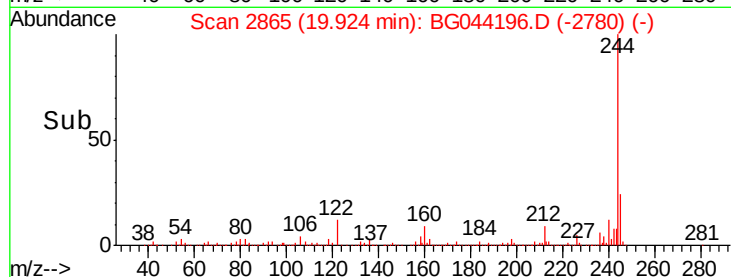
122 12.5 11.9 17.9



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: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044196.D

Acq: 25 Jan 2020 1:11

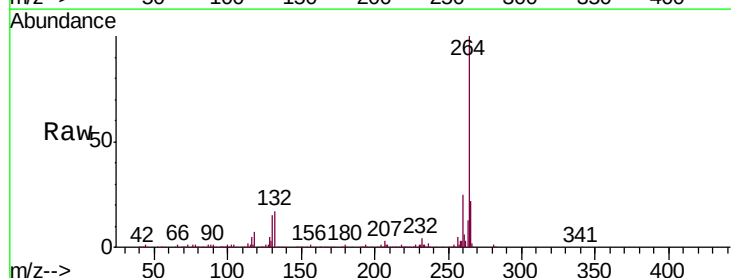
Tgt Ion:264 Resp: 482975

Ion Ratio Lower Upper

264 100

260 25.1 20.4 30.6

265 21.6 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

