

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\
 Data File : BG044220.D
 Acq On : 27 Jan 2020 18:09
 Operator : CG/JU
 Sample : L1245-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20200065-AMENDED-COMP-3

Quant Time: Jan 28 00:40:12 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	85532	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	386388	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	258338	20.00	ng	-0.04
64) Phenanthrene-d10	17.31	188	502534	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	444982	20.00	ng	-0.04
87) Perylene-d12	24.66	264	499866	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	300404	64.49	ng	-0.03
7) Phenol-d6	7.10	99	247900	38.07	ng	-0.02
23) Nitrobenzene-d5	9.09	82	592005	81.96	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	382492	141.48	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1389354	97.44	ng	-0.04
79) Terphenyl-d14	19.93	244	1783615	101.55	ng	-0.03

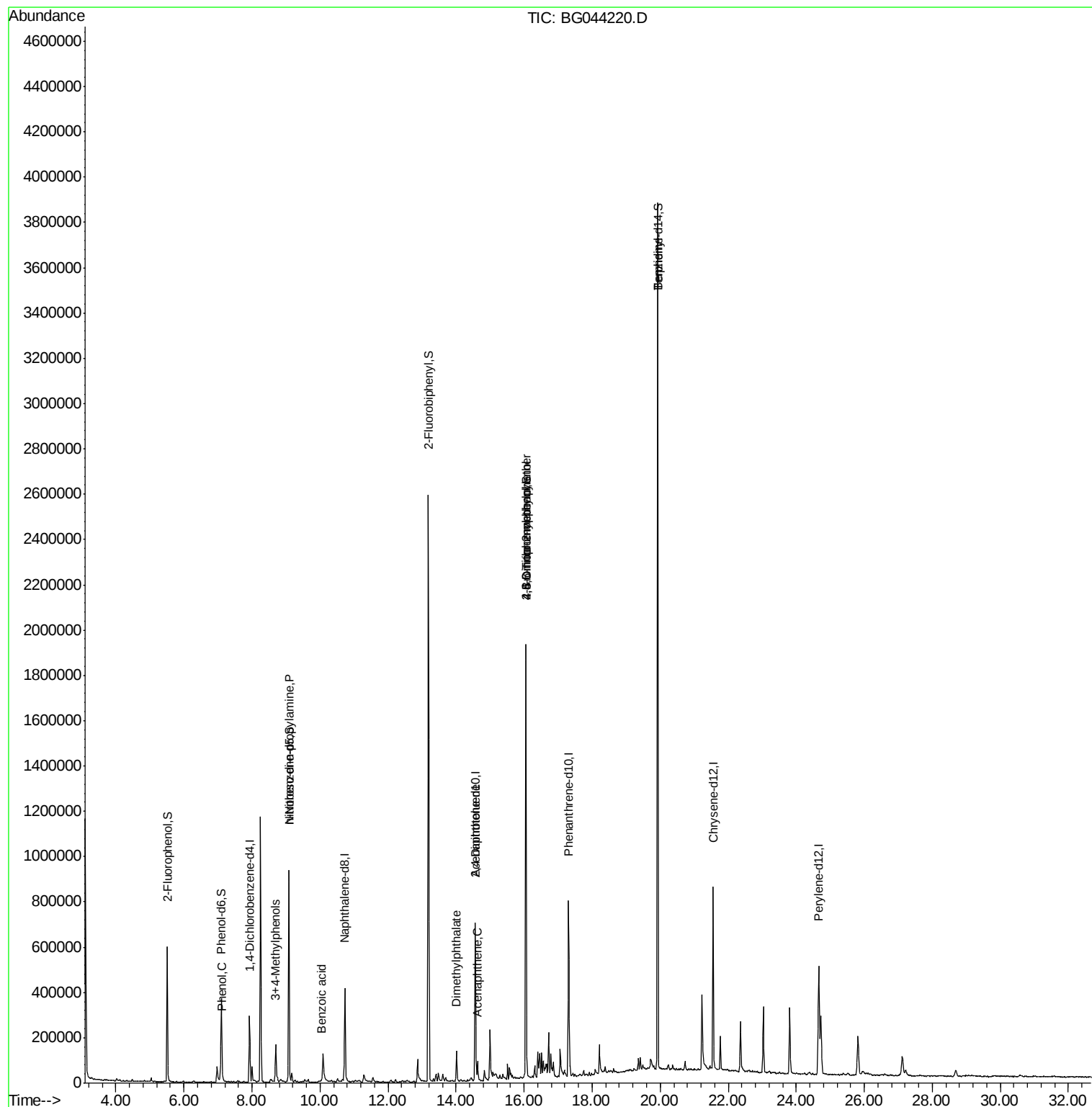
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.12	94	19758	2.945	ng	92
19) n-Nitroso-di-n-propylamine	9.09	70	78239	16.134	ng	# 77
20) 3+4-Methylphenols	8.70	107	90138	13.309	ng	92
32) Benzoic acid	10.05	122	2285	6.741	ng	91
50) Dimethylphthalate	14.02	163	94967	5.177	ng	97
52) Acenaphthene	14.63	154	31948	2.118	ng	97
57) 2,4-Dinitrotoluene	14.56	165	34112	6.047	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1222	4.819	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	26859	4.752	ng	# 1
77) Benzidine	19.93	184	30376	2.716	ng	# 91

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

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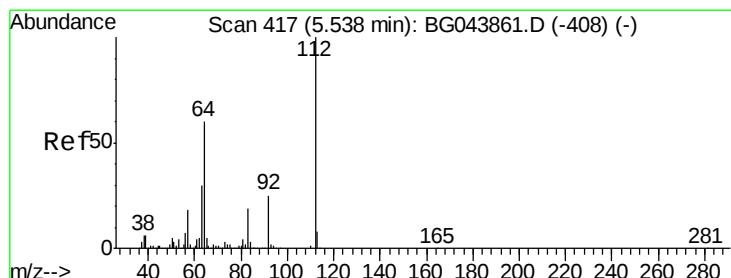
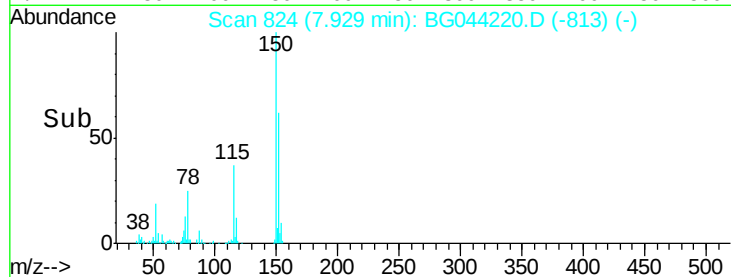
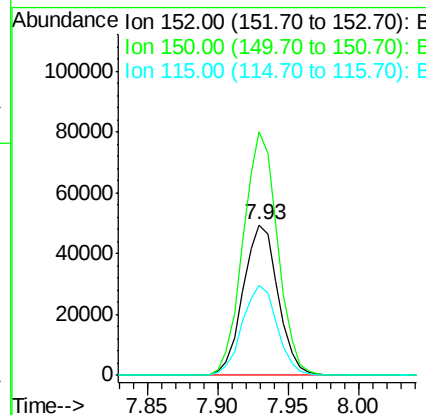
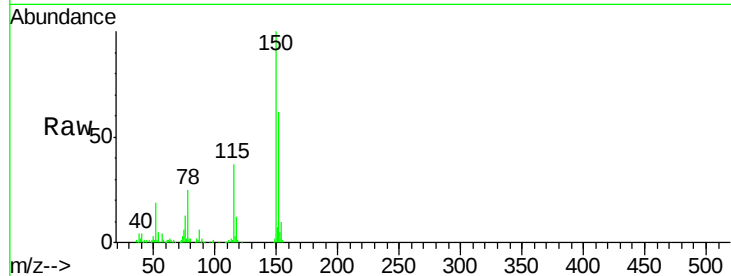


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

Instrument :
BNA_G
ClientSampleId :
20200065-AMENDED-COMP-3

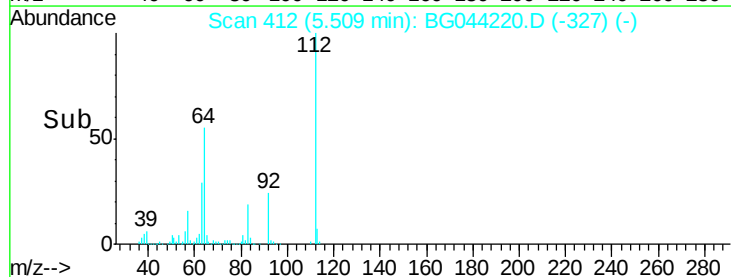
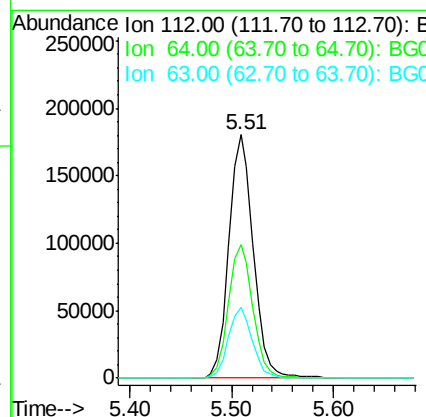
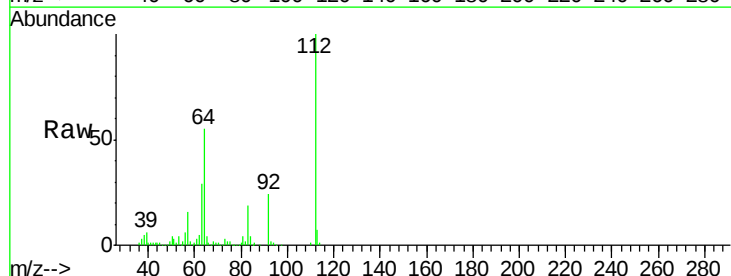
Tot Ion:152 Resp: 85532
Ion Ratio Lower Upper
152 100
150 161.8 127.0 190.4
115 60.1 47.8 71.8



#5

2-Fluorophenol
Concen: 64.488 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

Tgt Ion:112 Resp: 300404
Ion Ratio Lower Upper
112 100
64 54.7 47.8 71.6
63 29.1 24.3 36.5





#7

Phenol-d6

Concen: 38.071 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

Instrument :

BNA_G

ClientSampleId :

20200065-AMENDED-COMP-3

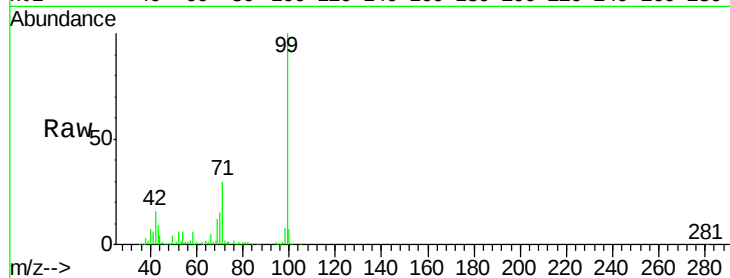
Tot Ion: 99 Resp: 247900

Ion Ratio Lower Upper

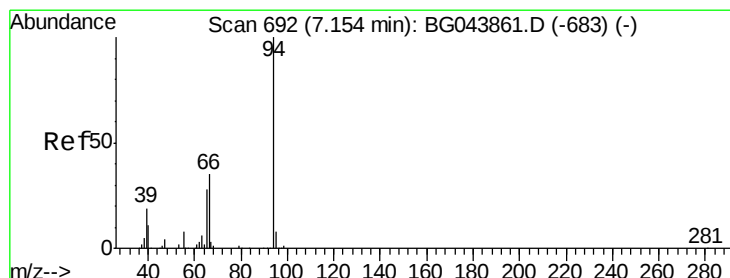
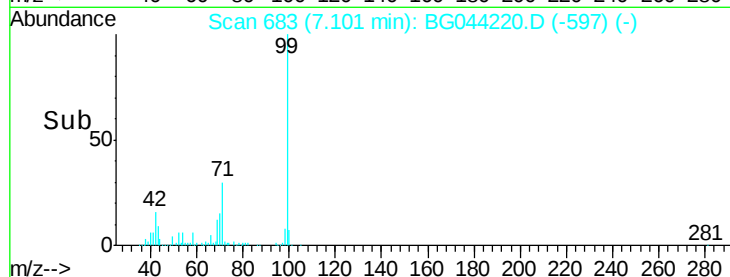
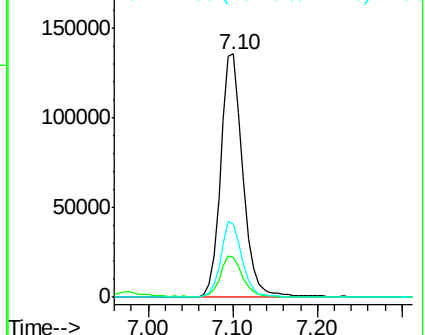
99 100

42 16.4 14.9 22.3

71 30.0 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: 2.945 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

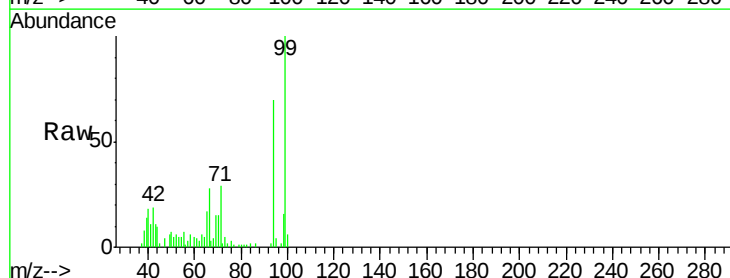
Tgt Ion: 94 Resp: 19758

Ion Ratio Lower Upper

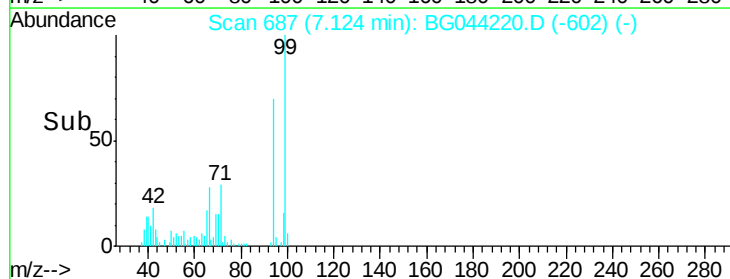
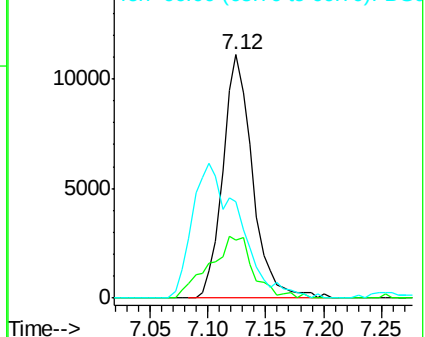
94 100

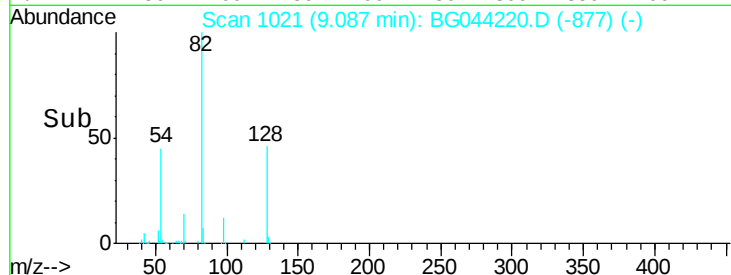
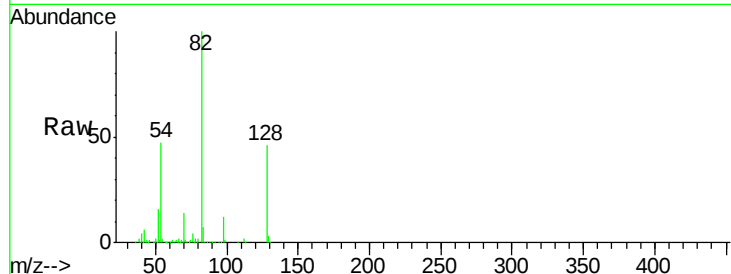
65 23.8 8.1 48.1

66 39.6 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

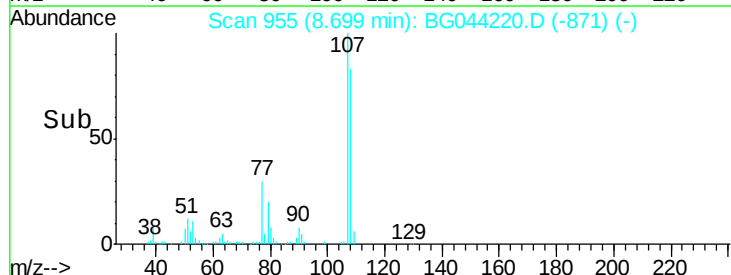
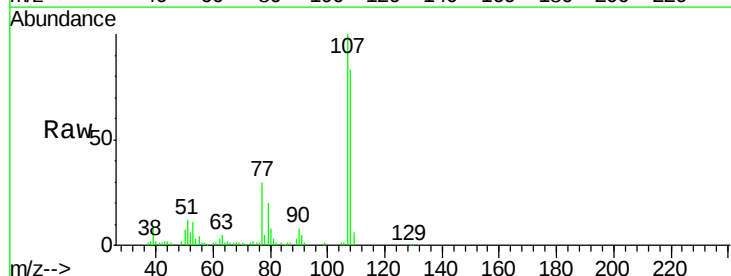
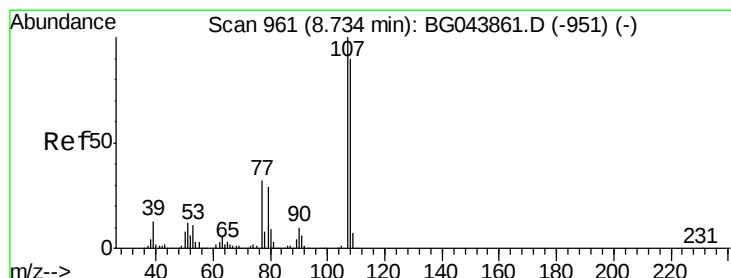
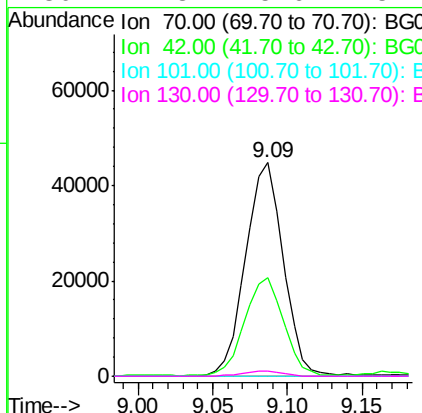




#19
n-Nitroso-di-n-propylamine
Concen: 16.134 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

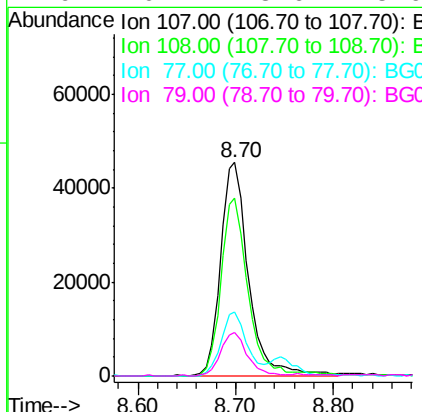
Instrument :
BNA_G
ClientSampleId :
20200065-AMENDED-COMP-3

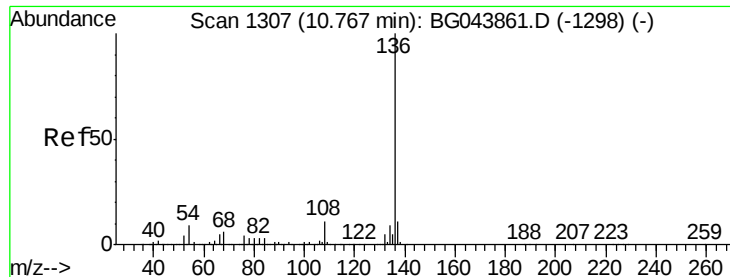
Tot Ion: 70 Resp: 78239
Ion Ratio Lower Upper
70 100
42 45.9 47.0 70.4#
101 0.0 7.2 10.8#
130 2.3 15.6 23.4#



#20
3+4-Methylphenols
Concen: 13.309 ng
RT: 8.70 min Scan# 955
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

Tgt Ion:107 Resp: 90138
Ion Ratio Lower Upper
107 100
108 83.3 70.3 110.3
77 30.0 12.4 52.4
79 20.4 8.6 48.6

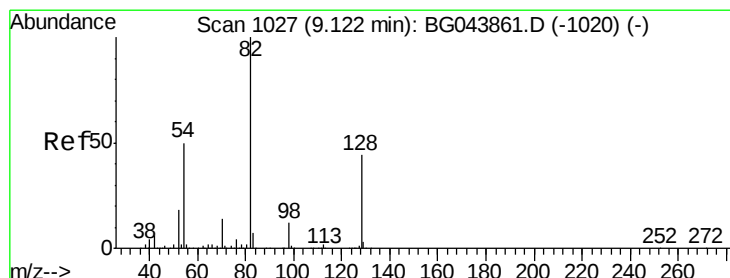
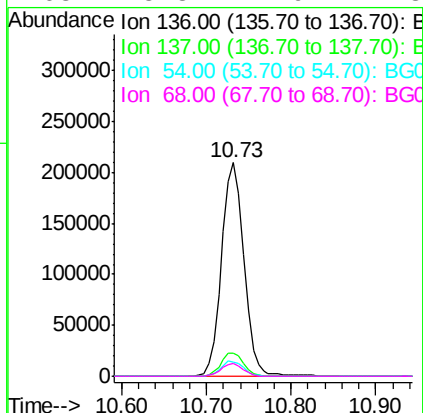
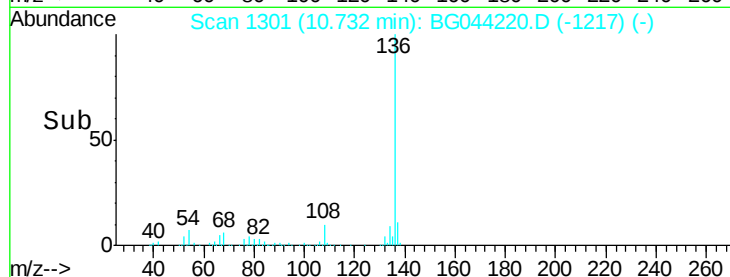
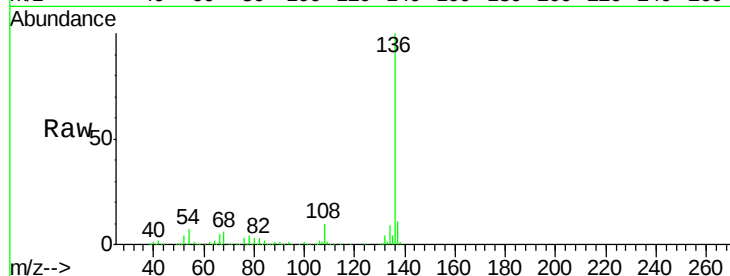




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

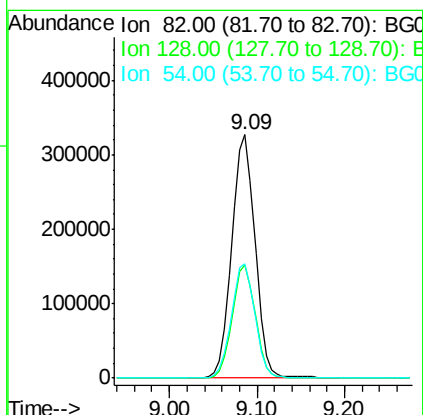
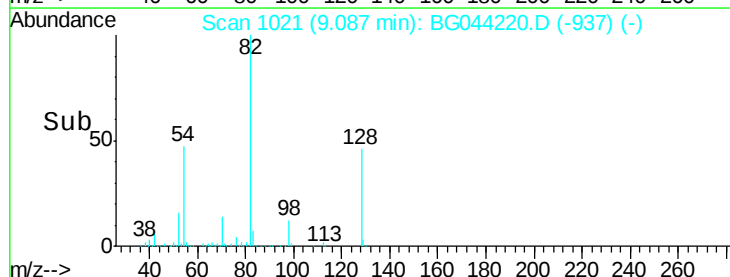
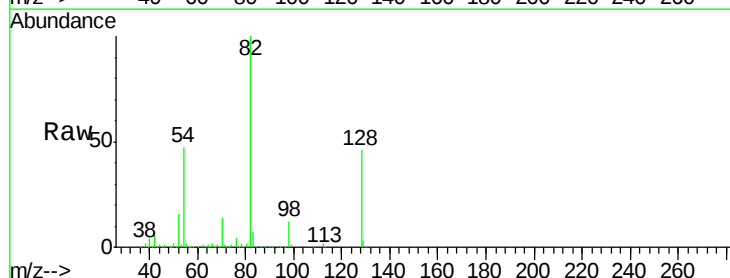
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BNA_G
ClientSampleId :
20200065-AMENDED-COMP-3

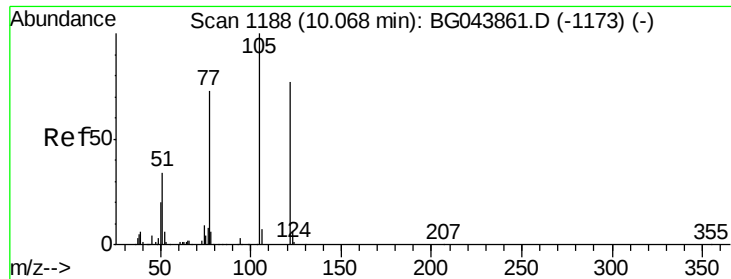
Tot Ion:136	Resp:	386388
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	6.8	7.0 10.4#
68	5.8	4.9 7.3



#23
Nitrobenzene-d5
Concen: 81.964 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

Tgt Ion: 82	Resp:	592005
Ion Ratio	Lower	Upper
82	100	
128	46.2	35.1 52.7
54	47.1	40.1 60.1

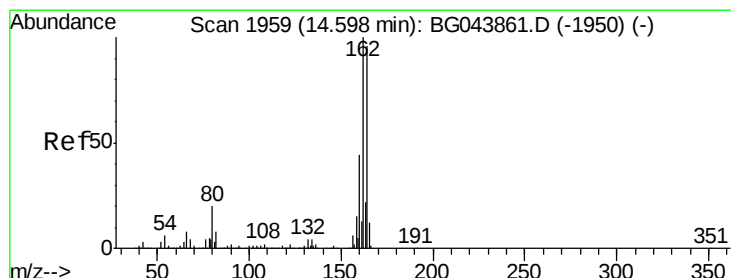
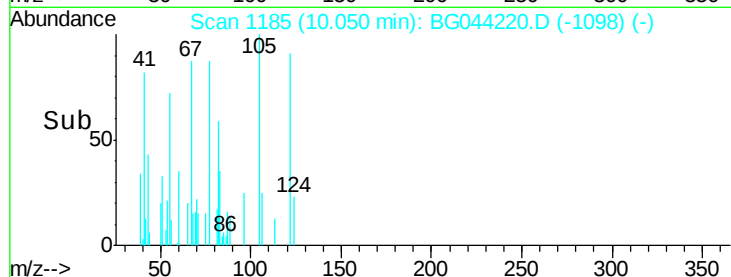
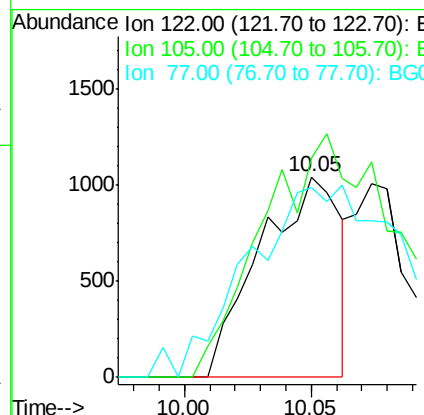
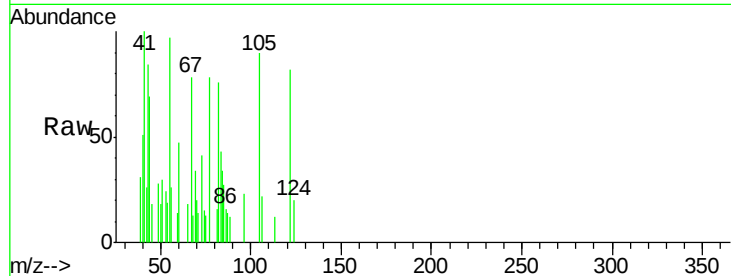




#32
Benzoic acid
Concen: 6.741 ng
RT: 10.05 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

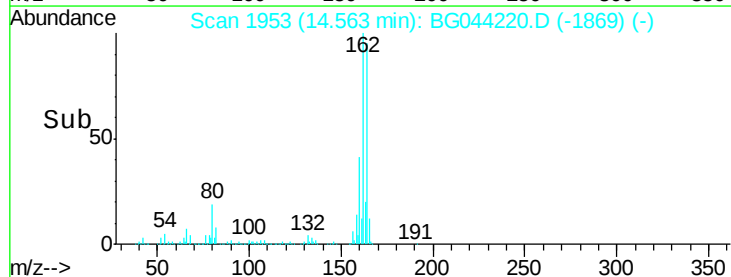
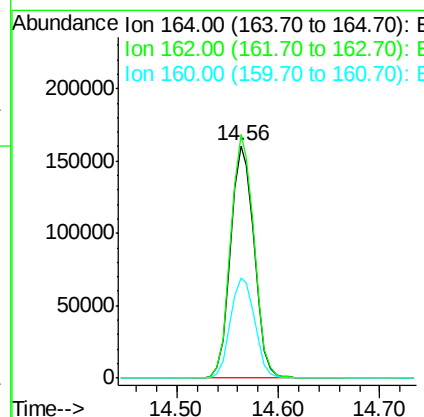
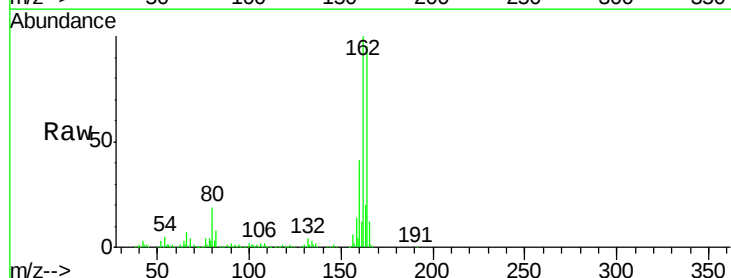
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BNA_G
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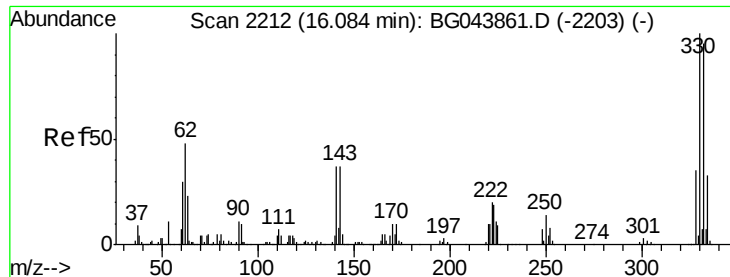
Tot Ion:122 Resp: 2285
Ion Ratio Lower Upper
122 100
105 109.5 106.4 146.4
77 94.9 74.6 114.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

Tgt Ion:164 Resp: 258338
Ion Ratio Lower Upper
164 100
162 104.7 83.0 124.4
160 43.3 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 141.483 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

Instrument :

BNA_G

ClientSampleId :

20200065-AMENDED-COMP-3

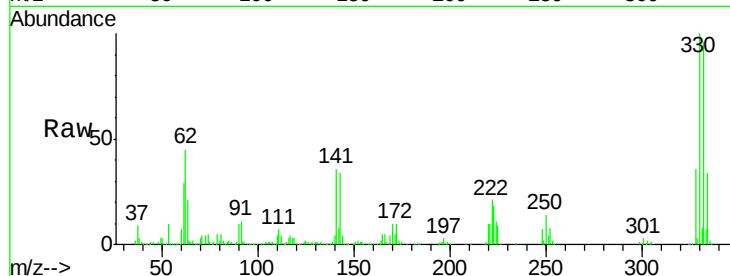
Tot Ion:330 Resp: 382492

Ion Ratio Lower Upper

330 100

332 95.6 77.2 115.8

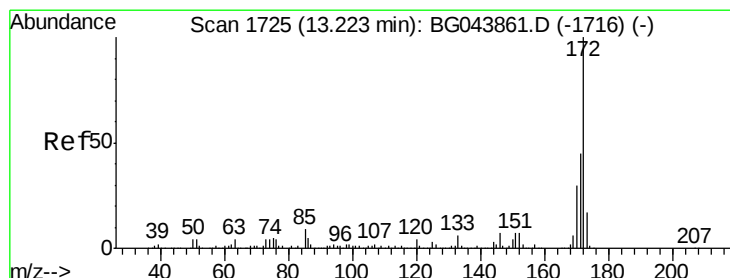
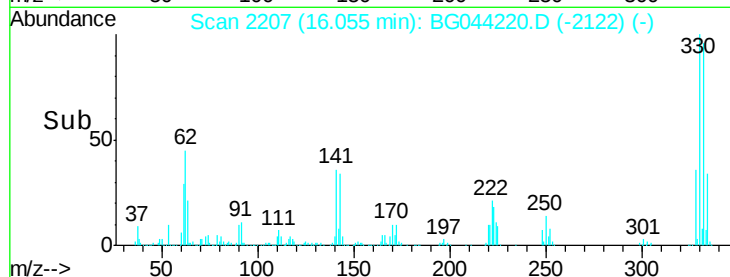
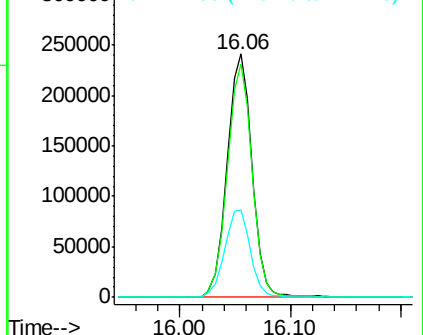
141 37.0 33.1 49.7



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: 97.438 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.04 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

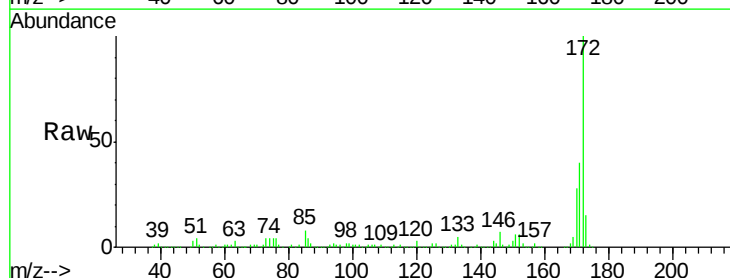
Tgt Ion:172 Resp: 1389354

Ion Ratio Lower Upper

172 100

171 40.4 35.8 53.8

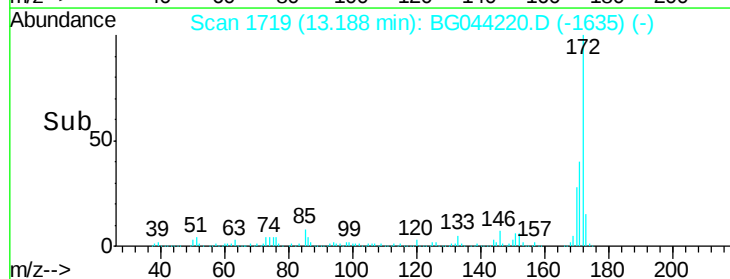
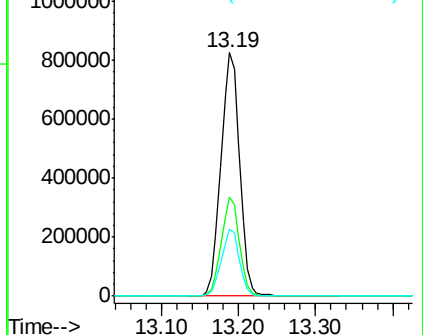
170 27.7 24.2 36.4

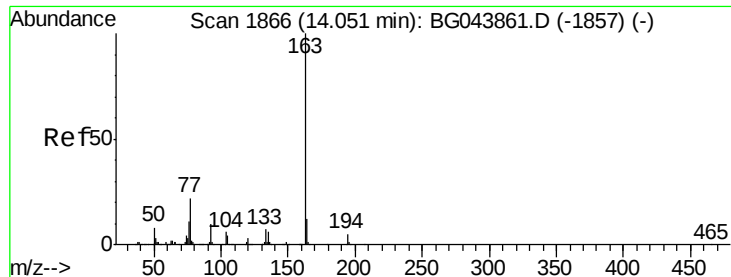


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

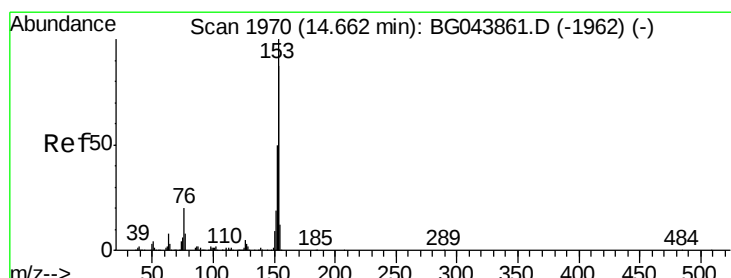
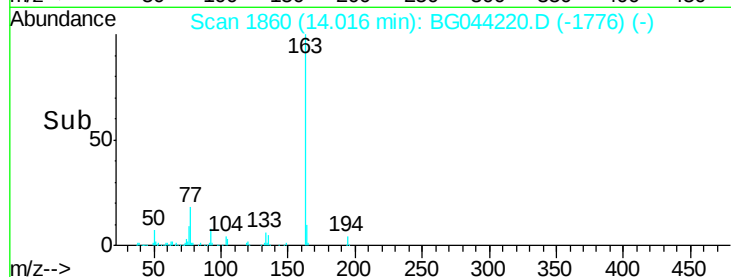
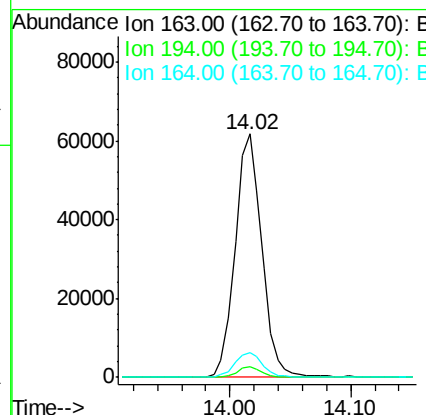
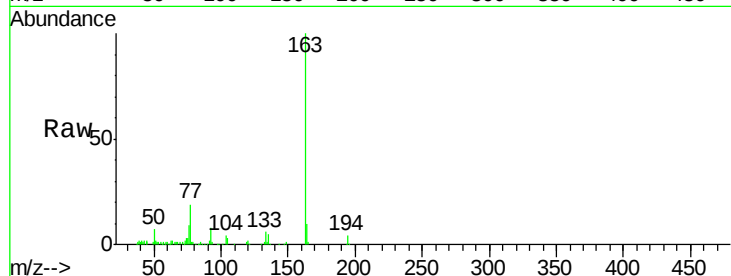




#50
Dimethylphthalate
Concen: 5.177 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

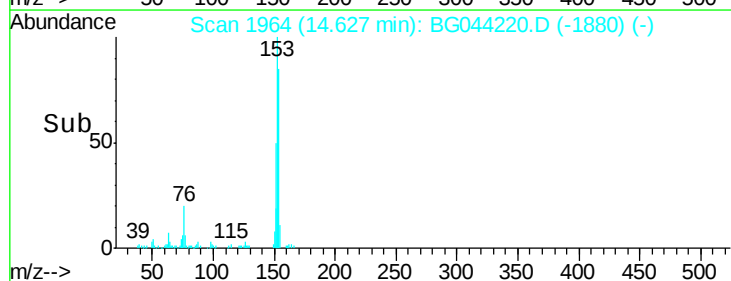
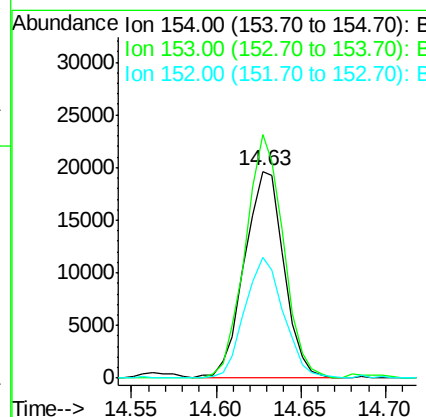
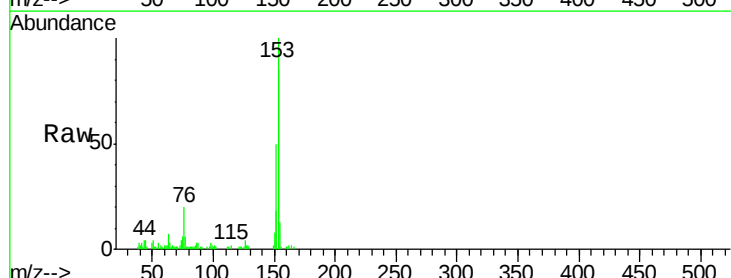
Instrument :
BNA_G
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20200065-AMENDED-COMP-3

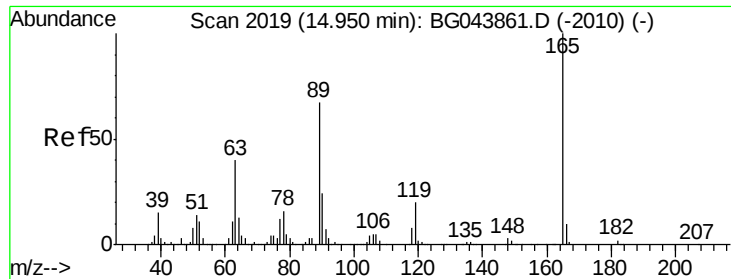
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.7	5.5
164	10.0	9.3	13.9



#52
Acenaphthene
Concen: 2.118 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.9	91.6	137.4
152	58.6	45.4	68.0

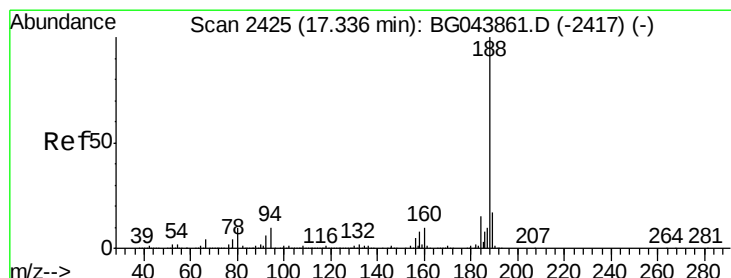
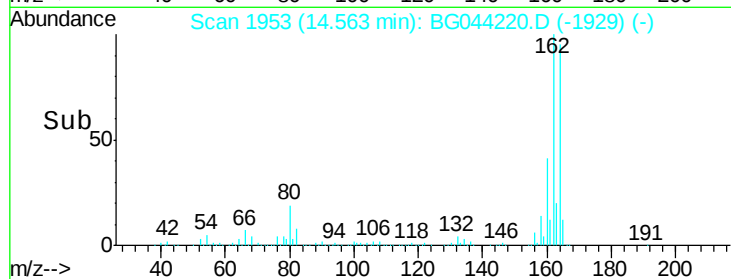
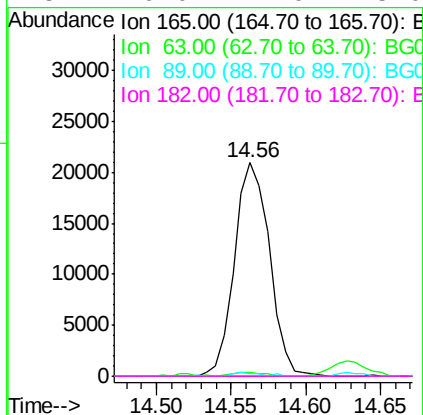
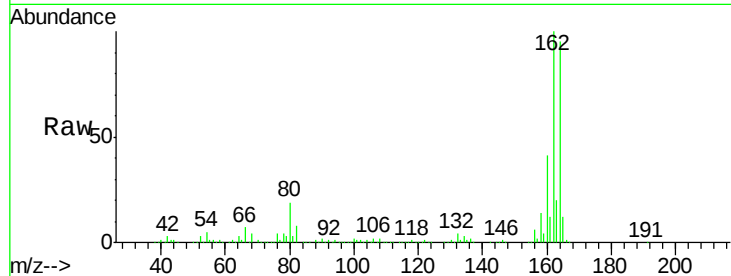




#57
 2,4-Dinitrotoluene
 Concen: 6.047 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044220.D
 Acq: 27 Jan 2020 18:09

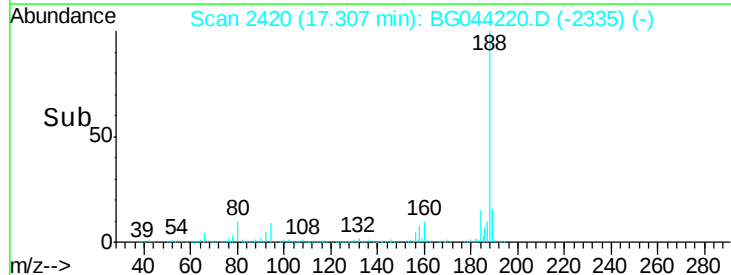
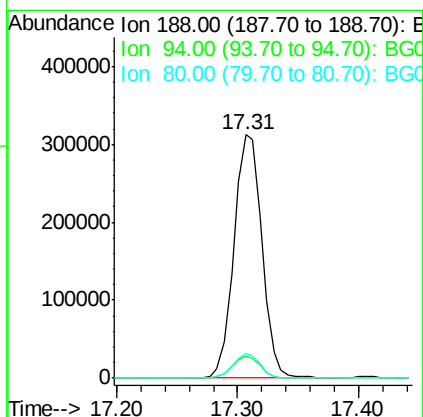
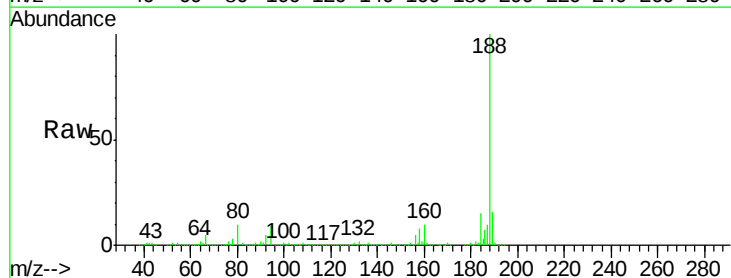
Instrument :
 BNA_G
 ClientSampleId :
 20200065-AMENDED-COMP-3

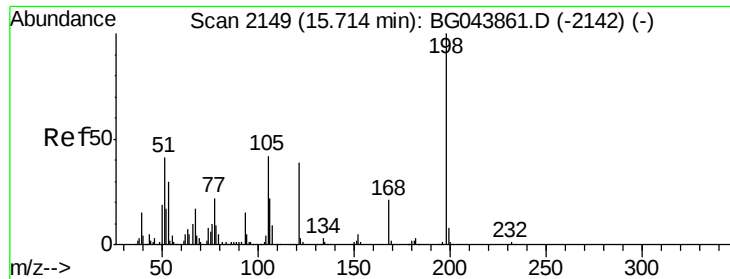
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	31.9	47.9#
89	1.4	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044220.D
 Acq: 27 Jan 2020 18:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.9	11.9
80	10.0	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 4.819 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

Instrument :

BNA_G

ClientSampleId :

20200065-AMENDED-COMP-3

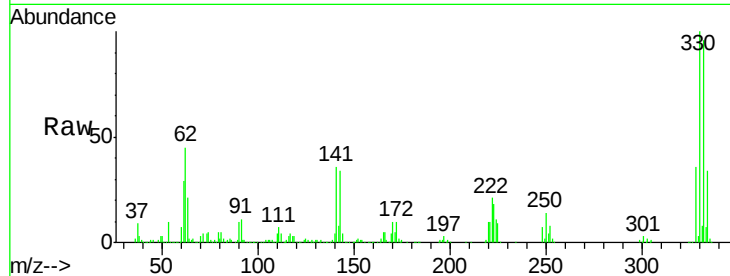
Tot Ion:198 Resp: 1222

Ion Ratio Lower Upper

198 100

51 110.2 22.5 62.5#

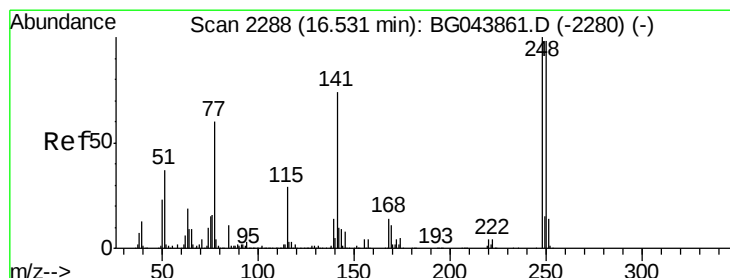
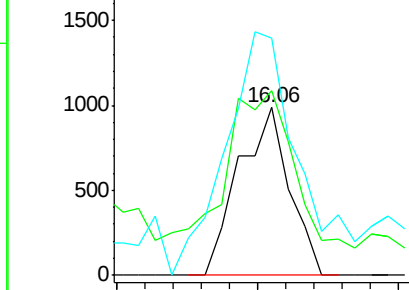
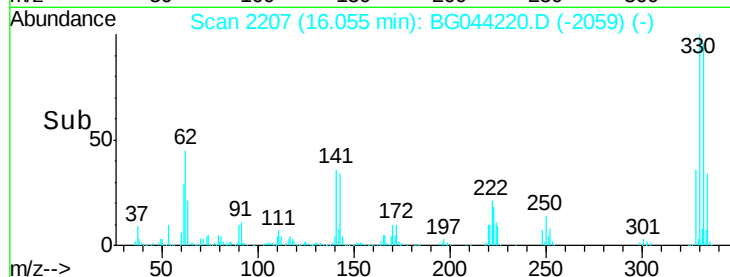
105 141.4 22.3 62.3#



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: 4.752 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.48 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

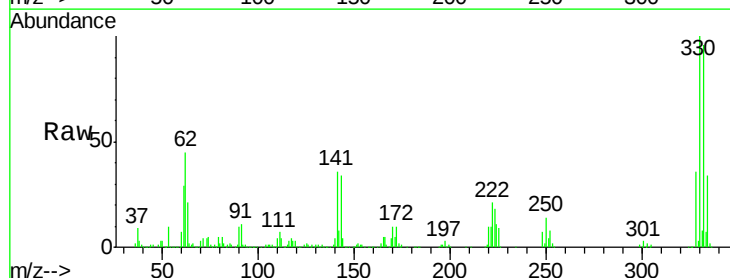
Tgt Ion:248 Resp: 26859

Ion Ratio Lower Upper

248 100

250 195.2 78.2 117.2#

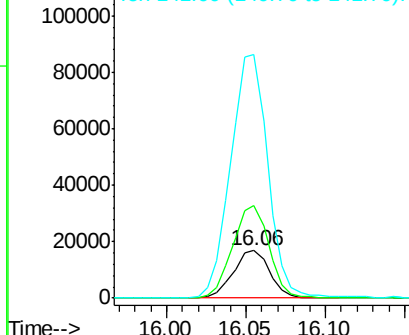
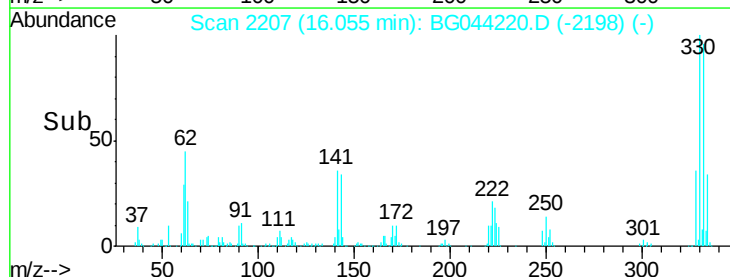
141 514.9 59.3 88.9#

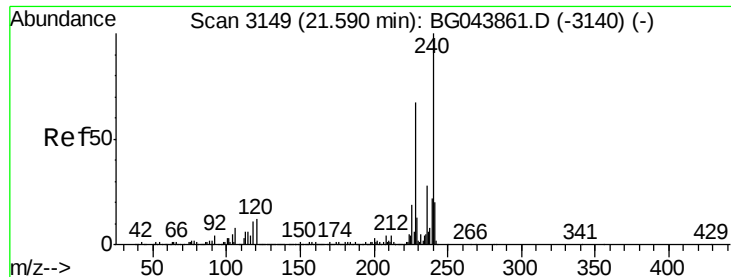


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

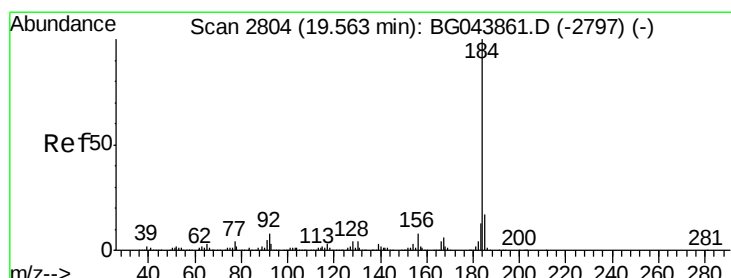
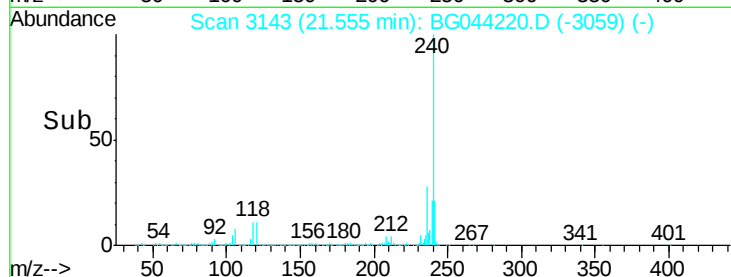
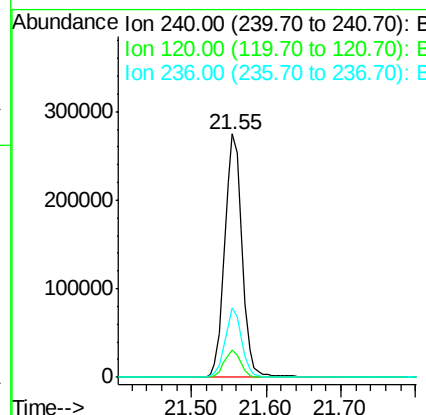
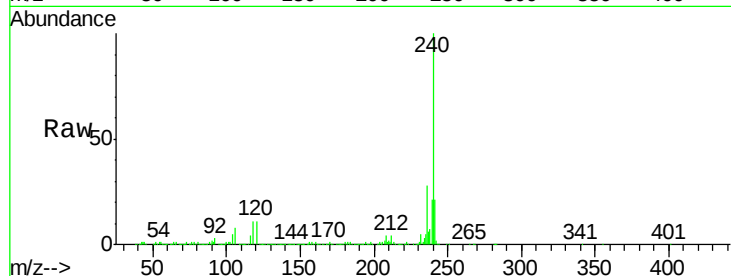




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.04 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

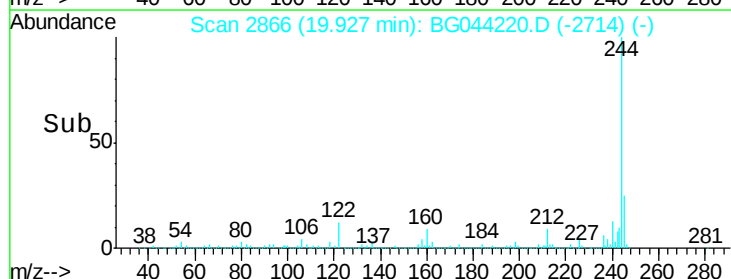
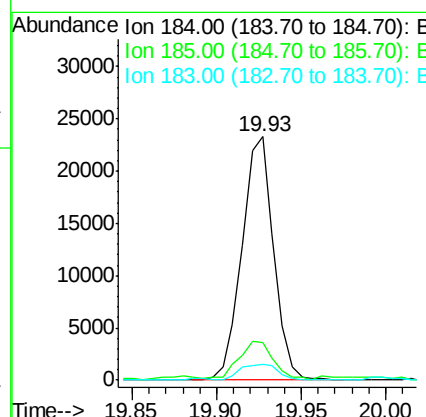
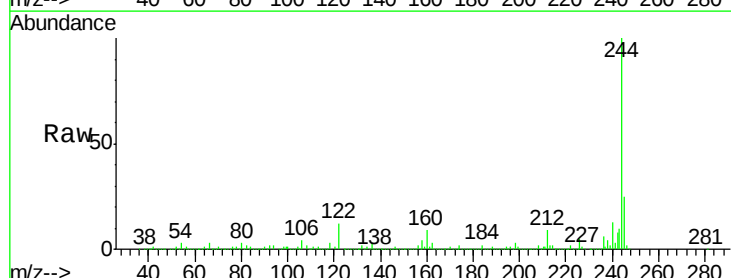
Instrument :
BNA_G
ClientSampleId :
20200065-AMENDED-COMP-3

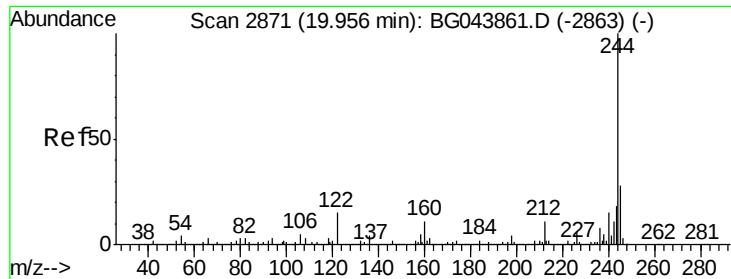
Tot Ion:240 Resp: 444982
Ion Ratio Lower Upper
240 100
120 11.1 9.6 14.4
236 28.4 22.2 33.2



#77
Benzidine
Concen: 2.716 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044220.D
Acq: 27 Jan 2020 18:09

Tgt Ion:184 Resp: 30376
Ion Ratio Lower Upper
184 100
185 15.5 13.4 20.0
183 6.6 10.6 15.8#





#79

Terphenyl-d14

Concen: 101.553 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

Instrument :

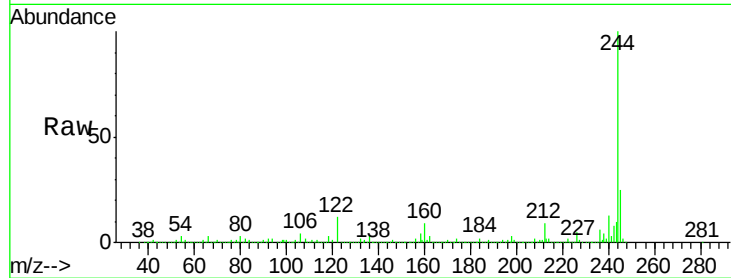
BNA_G

ClientSampleId :

20200065-AMENDED-COMP-3

Tot Ion:244 Resp: 1783615

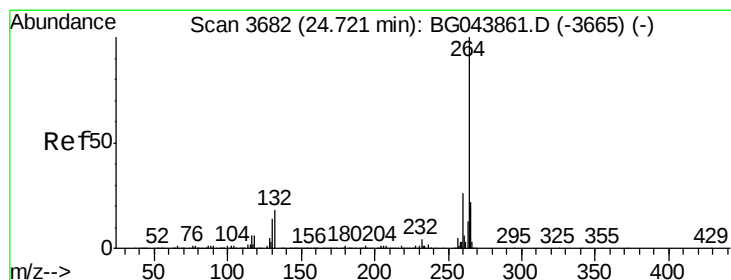
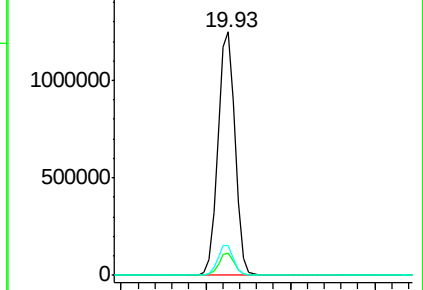
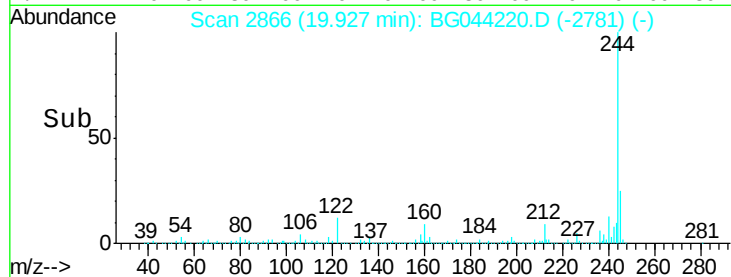
Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.6	13.0
122	12.2	11.9	17.9



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: 24.66 min Scan# 3672

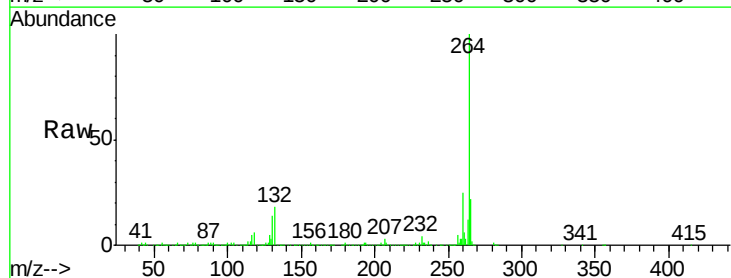
Delta R.T. -0.06 min

Lab File: BG044220.D

Acq: 27 Jan 2020 18:09

Tgt Ion:264 Resp: 499866

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.4	30.6
265	22.0	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

