

Data File : BG044113.D
Acq On : 21 Jan 2020 00:54
Operator : JU
Sample : L1184-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2-E3

Quant Time: Jan 21 04:52:35 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	83160	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	358190	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	248273	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	523824	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	447925	20.00	ng	-0.03
87) Perylene-d12	24.67	264	494522	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	241440	53.31	ng	-0.03
7) Phenol-d6	7.10	99	197513	31.20	ng	-0.02
23) Nitrobenzene-d5	9.09	82	532687	79.56	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	368793	141.95	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1244957	90.85	ng	-0.03
79) Terphenyl-d14	19.93	244	1808823	102.63	ng	-0.03

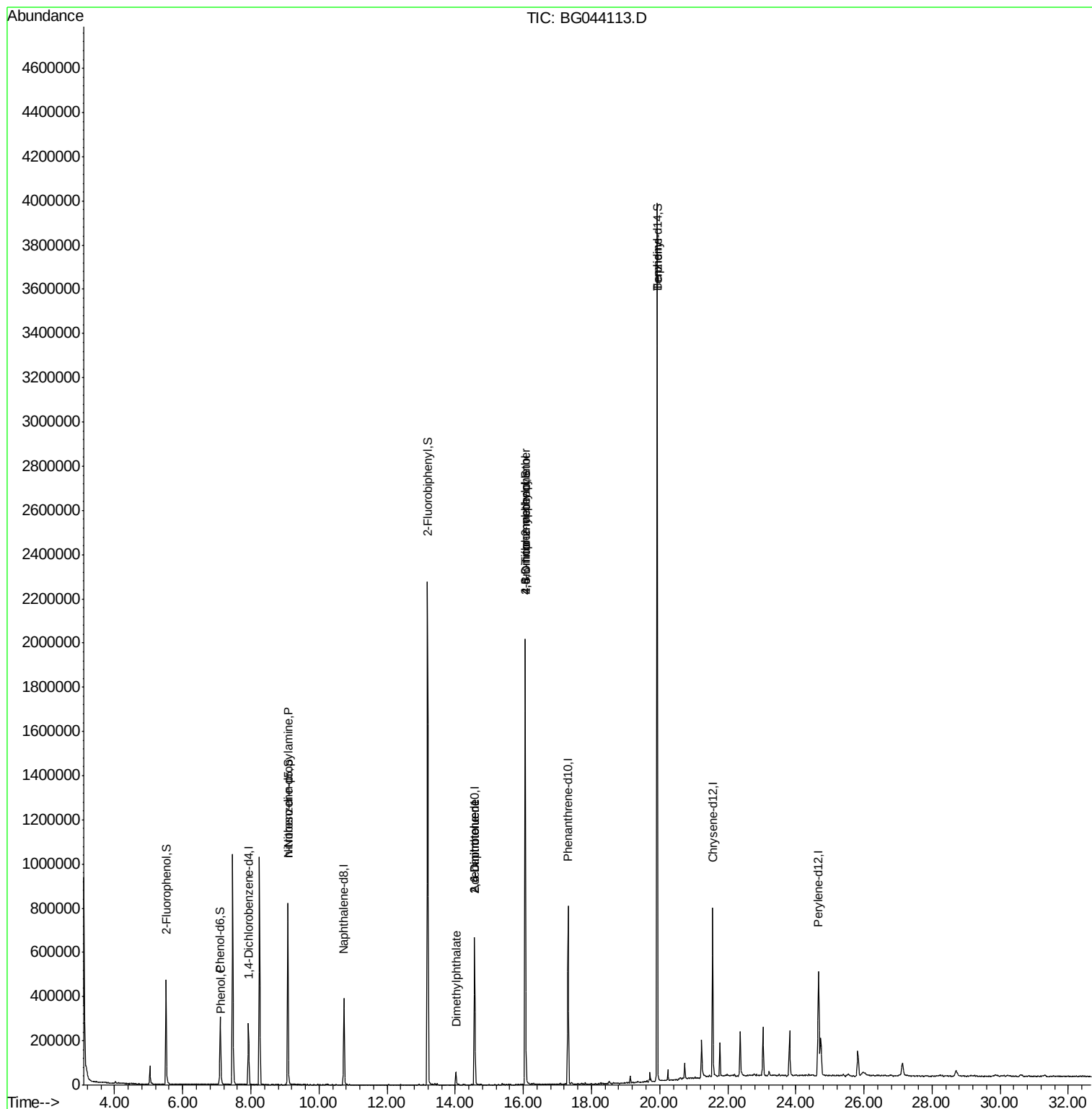
Target Compounds				Qvalue		
10) Phenol	7.12	94	22698	3.480	ng	97
19) n-Nitroso-di-n-propylamine	9.09	70	69217	14.681	ng	# 82
50) Dimethylphthalate	14.02	163	49844	2.827	ng	99
51) 2,6-Dinitrotoluene	14.57	165	32445	8.143	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	32445	5.984	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1229	4.803	ng	# 6
67) 4-Bromophenyl-phenylether	16.06	248	26847	4.557	ng	# 1
77) Benzidine	19.93	184	32452	2.882	ng	# 92

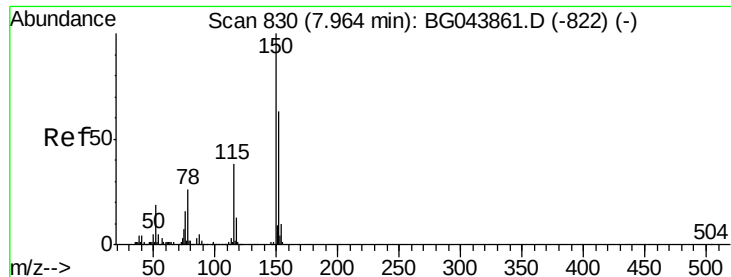
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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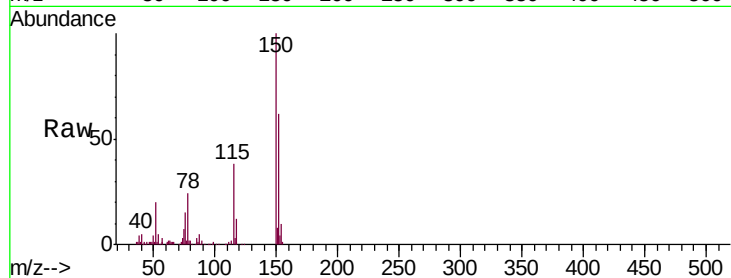


#1

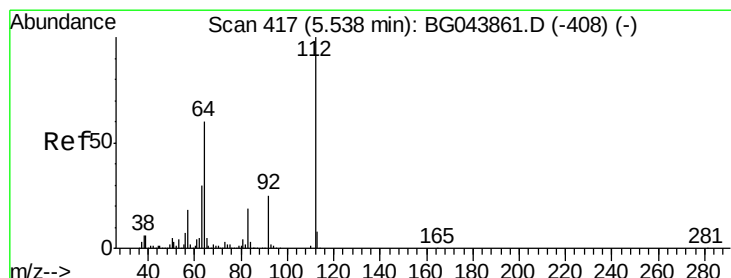
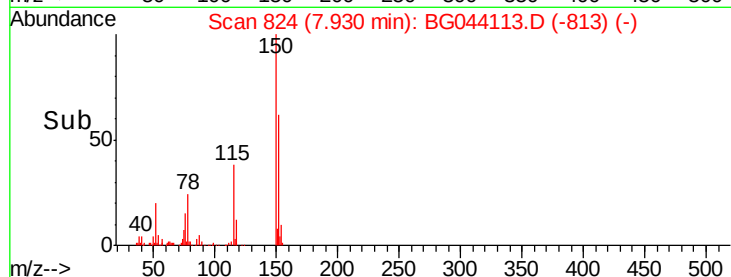
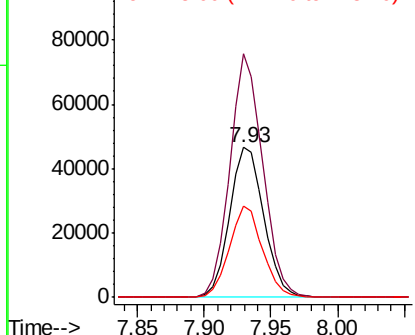
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044113.D
Acq: 21 Jan 2020 00:54

Instrument :
BNA_G
ClientSampleId :
E2-E3

Tgt Ion:152 Resp: 83160
Ion Ratio Lower Upper
152 100
150 162.2 127.0 190.4
115 60.9 47.8 71.8



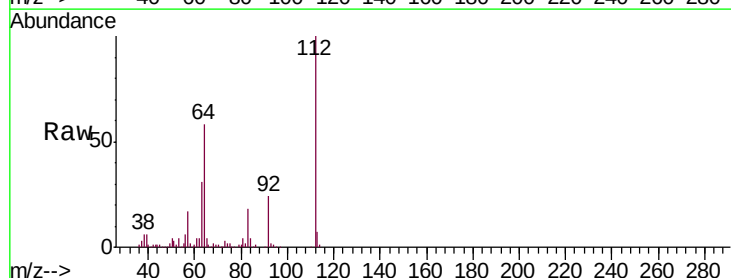
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



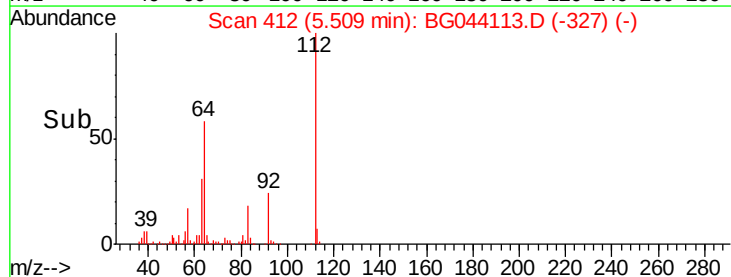
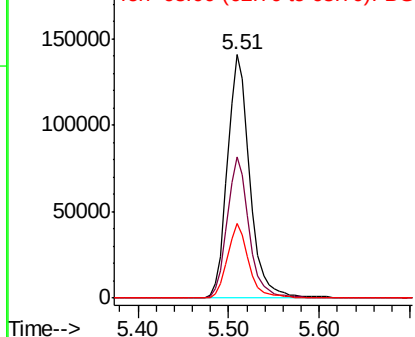
#5

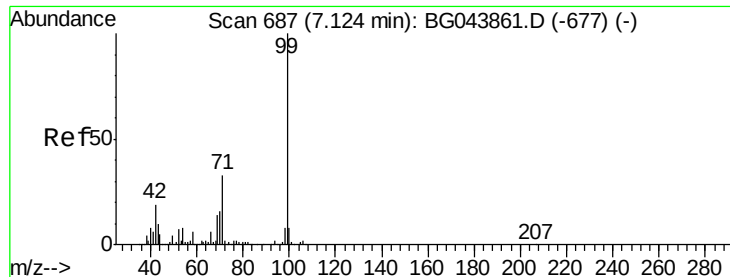
2-Fluorophenol
Concen: 53.308 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044113.D
Acq: 21 Jan 2020 00:54

Tgt Ion:112 Resp: 241440
Ion Ratio Lower Upper
112 100
64 57.9 47.8 71.6
63 30.6 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: 31.198 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044113.D

Acq: 21 Jan 2020 00:54

Instrument :

BNA_G

ClientSampleId :

E2-E3

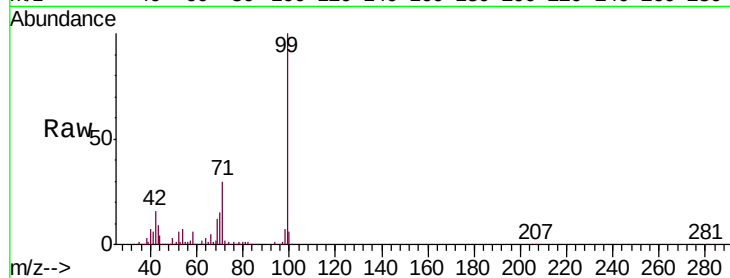
Tgt Ion: 99 Resp: 197513

Ion Ratio Lower Upper

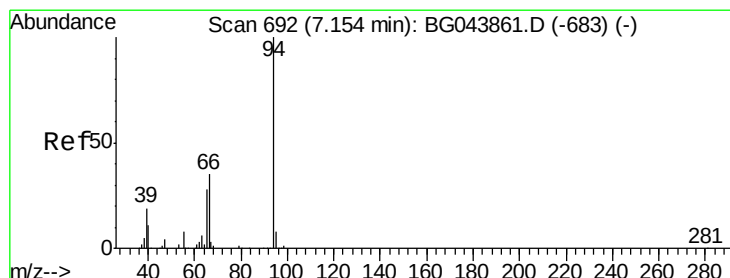
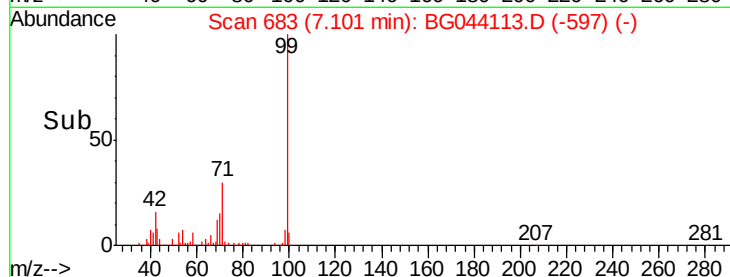
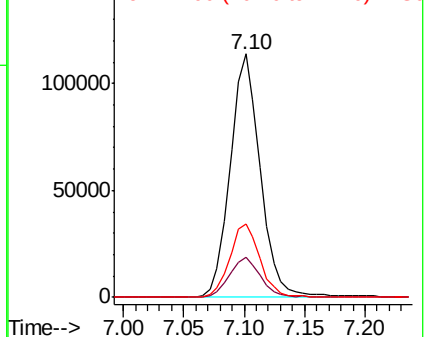
99 100

42 16.3 14.9 22.3

71 30.1 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: 3.480 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044113.D

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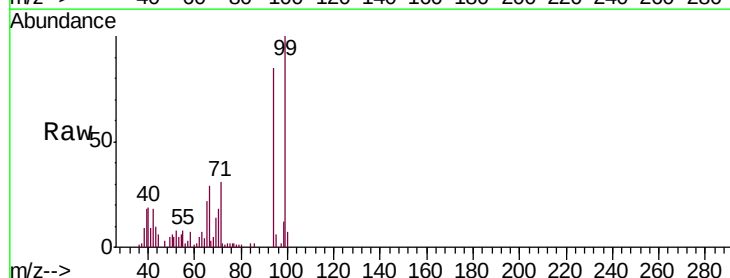
Tgt Ion: 94 Resp: 22698

Ion Ratio Lower Upper

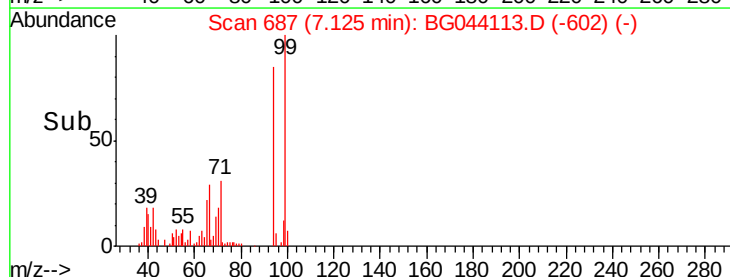
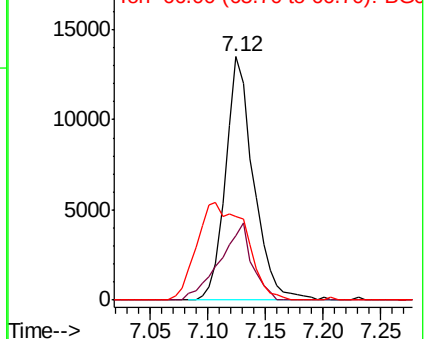
94 100

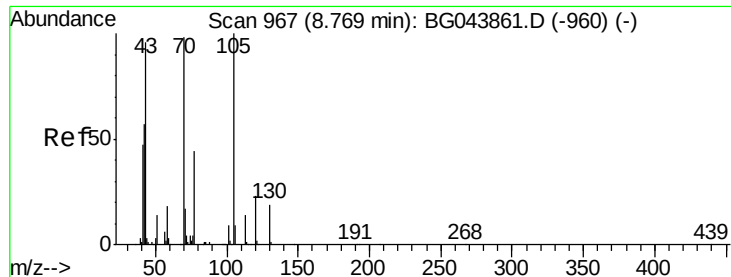
65 26.4 8.1 48.1

66 34.4 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

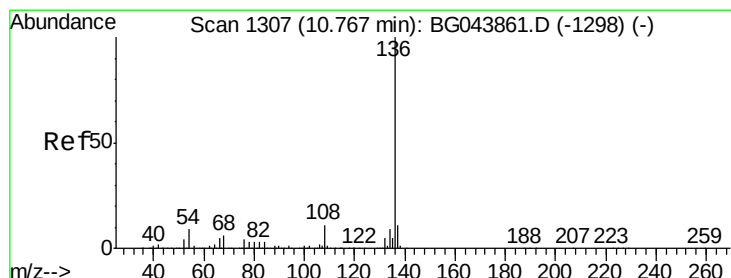
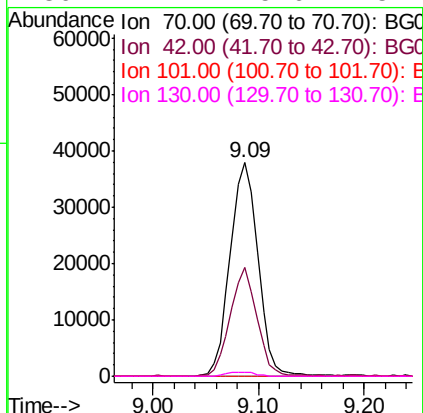
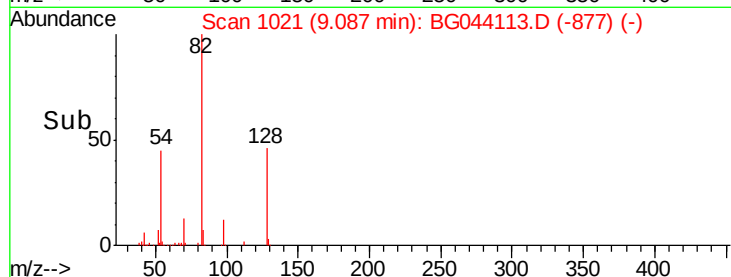
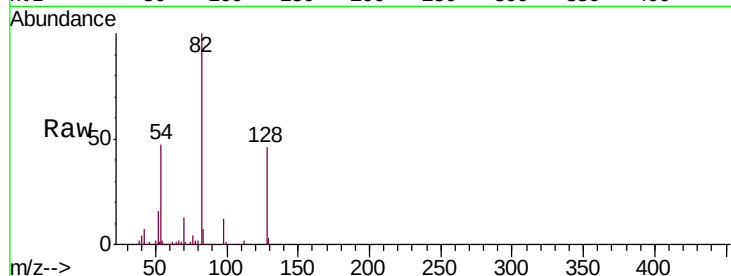




#19
n-Nitroso-di-n-propylamine
Concen: 14.681 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044113.D
Acq: 21 Jan 2020 00:54

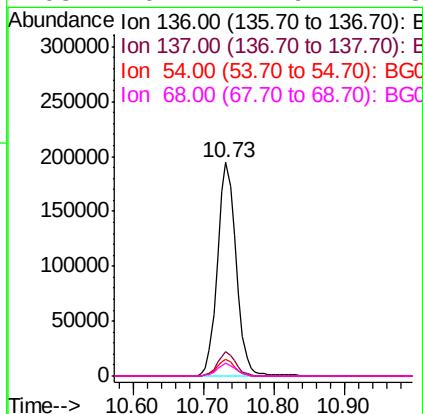
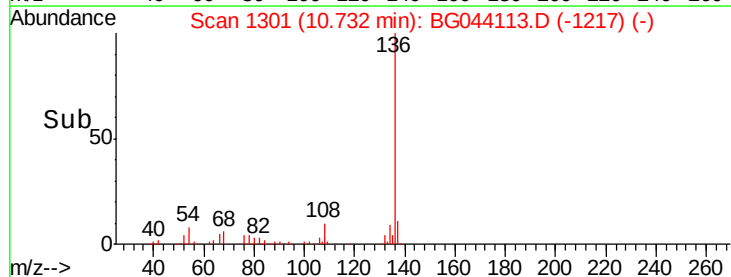
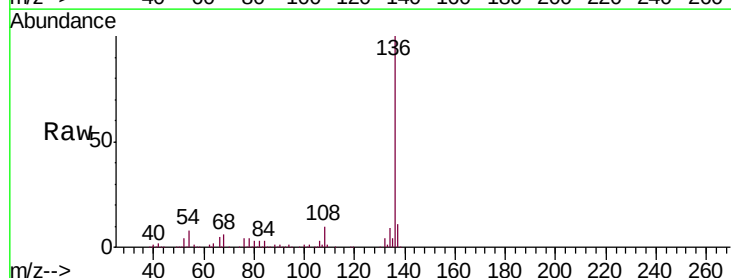
Instrument :
BNA_G
ClientSampleId :
E2-E3

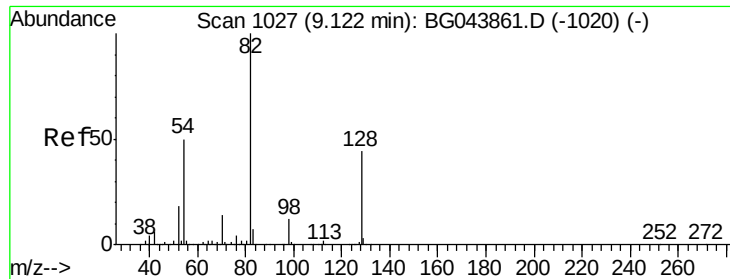
Tgt Ion:	70	Resp:	69217
Ion	Ratio	Lower	Upper
70	100		
42	50.7	47.0	70.4
101	0.0	7.2	10.8#
130	2.1	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044113.D
Acq: 21 Jan 2020 00:54

Tgt Ion:	136	Resp:	358190
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.5	7.0	10.4
68	6.1	4.9	7.3

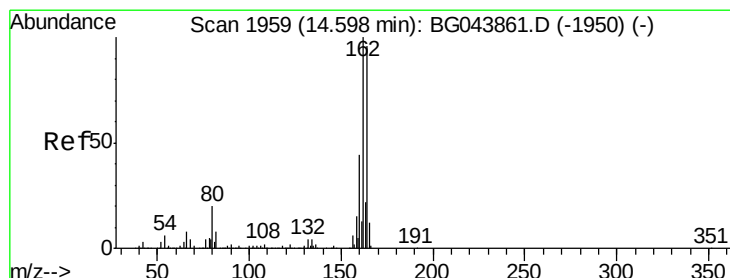
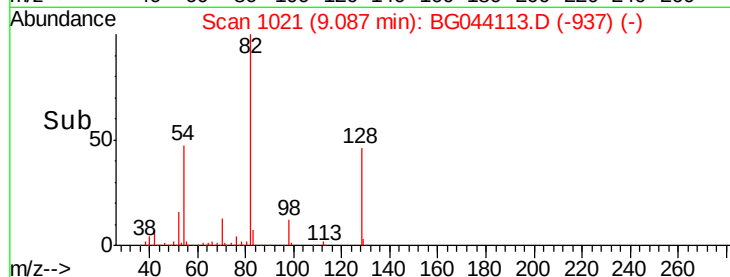
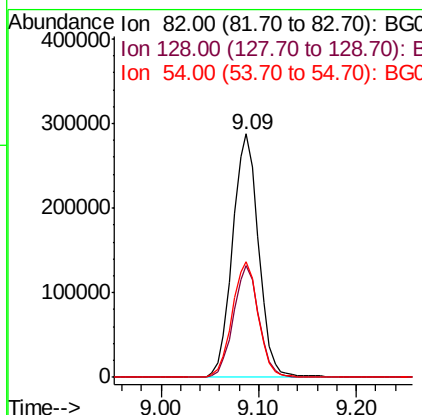
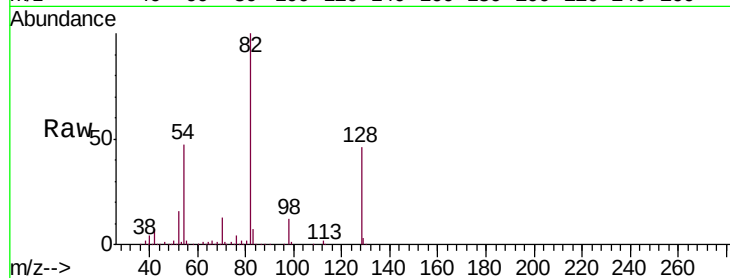




#23
 Nitrobenzene-d5
 Concen: 79.557 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: BG044113.D
 Acq: 21 Jan 2020 00:54

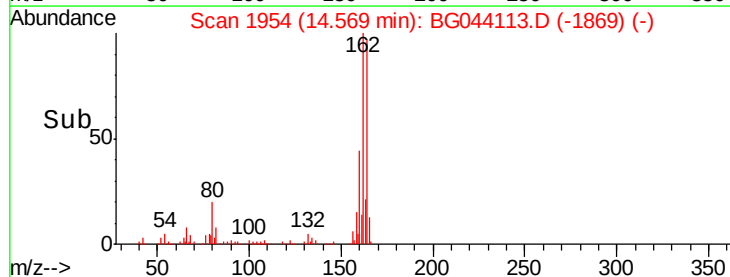
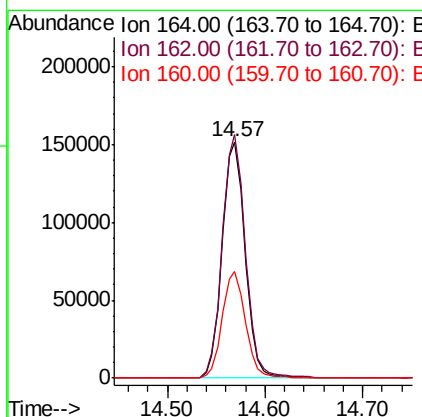
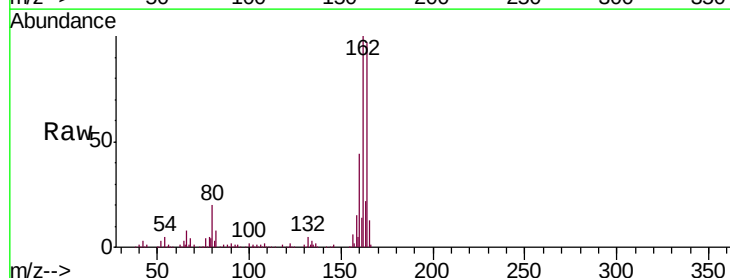
Instrument :
 BNA_G
 ClientSampleId :
 E2-E3

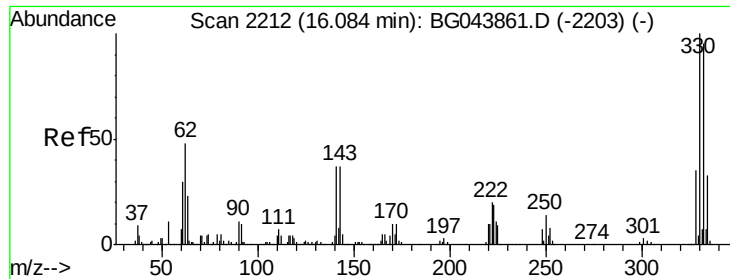
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.1	35.1	52.7
54	47.3	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.03 min
 Lab File: BG044113.D
 Acq: 21 Jan 2020 00:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.0	124.4
160	45.2	36.1	54.1

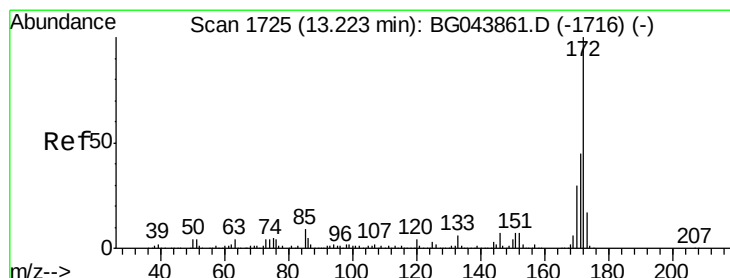
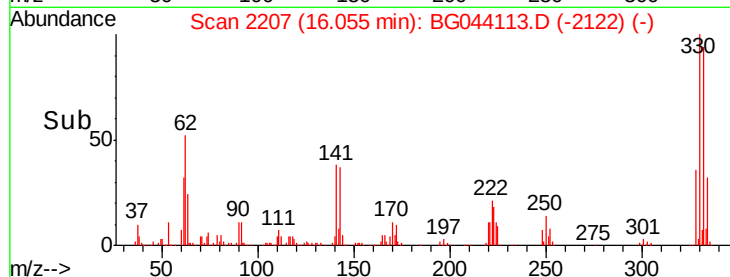
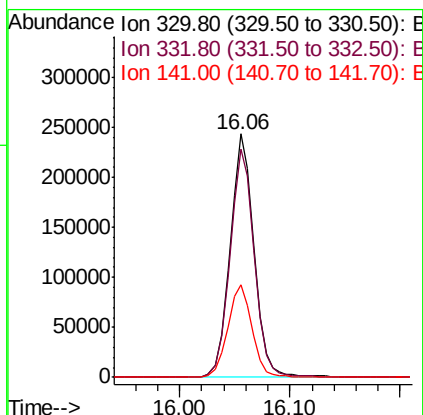
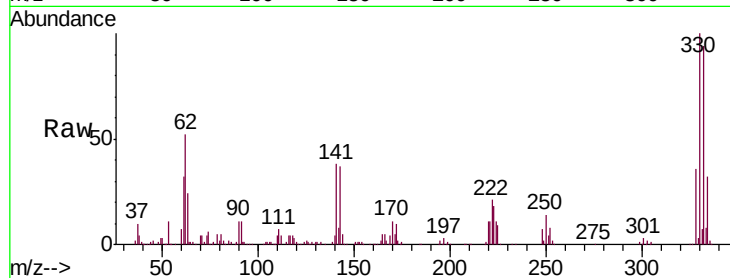




#42
 2,4,6-Tribromophenol
 Concen: 141.946 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044113.D
 Acq: 21 Jan 2020 00:54

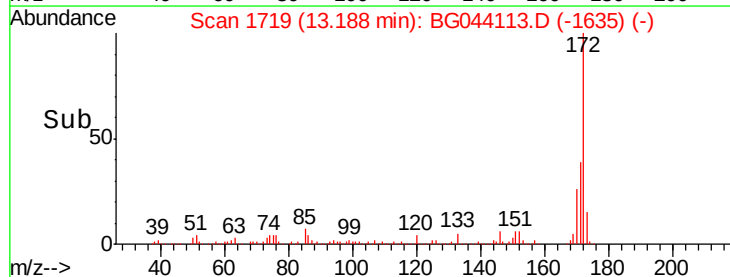
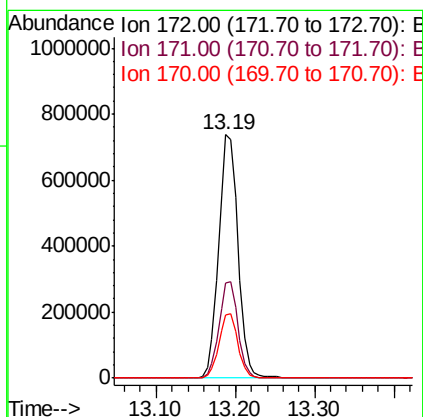
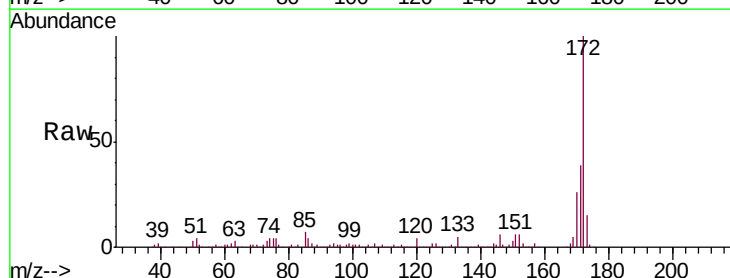
Instrument :
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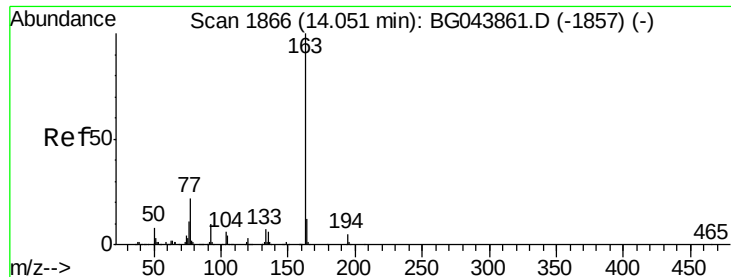
Tgt Ion:330 Resp: 368793
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.2 115.8
 141 39.0 33.1 49.7



#45
 2-Fluorobiphenyl
 Concen: 90.851 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044113.D
 Acq: 21 Jan 2020 00:54

Tgt Ion:172 Resp: 1244957
 Ion Ratio Lower Upper
 172 100
 171 38.9 35.8 53.8
 170 26.0 24.2 36.4

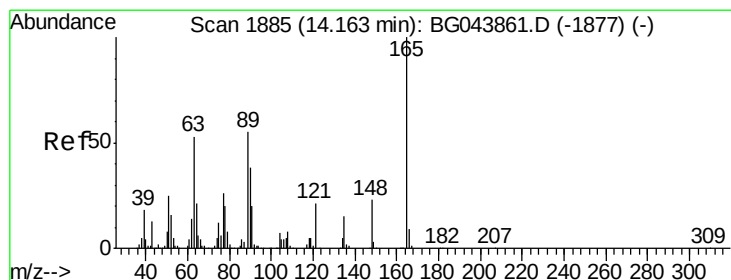
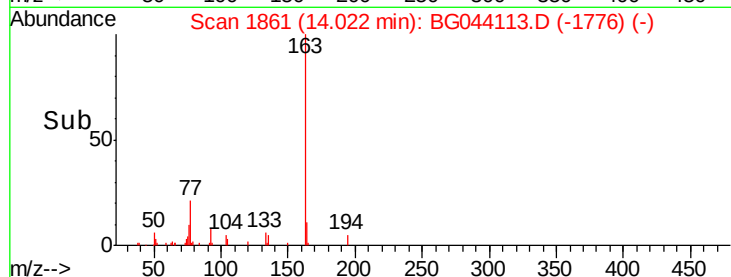
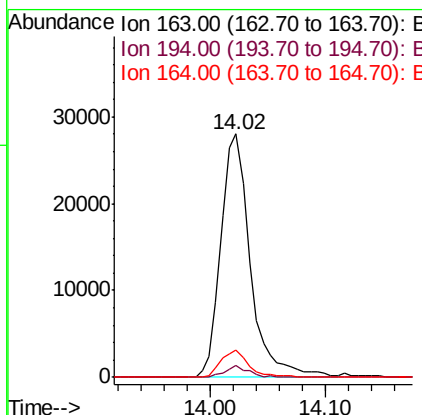
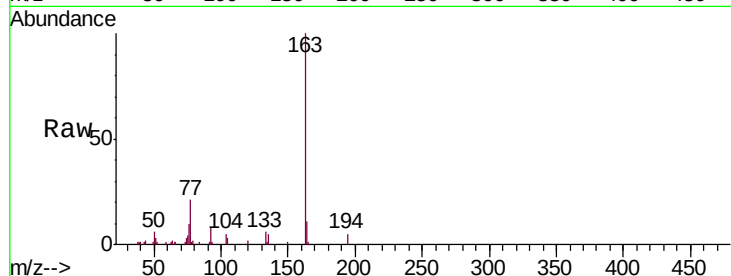




#50
Dimethylphthalate
Concen: 2.827 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.03 min
Lab File: BG044113.D
Acq: 21 Jan 2020 00:54

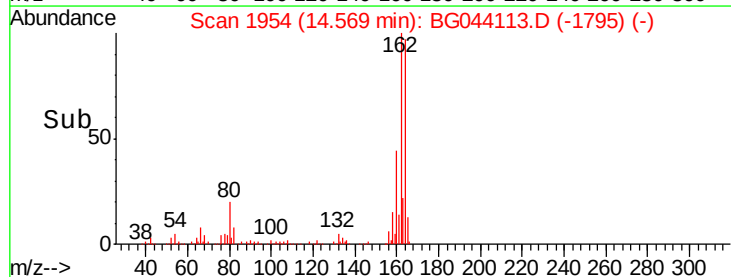
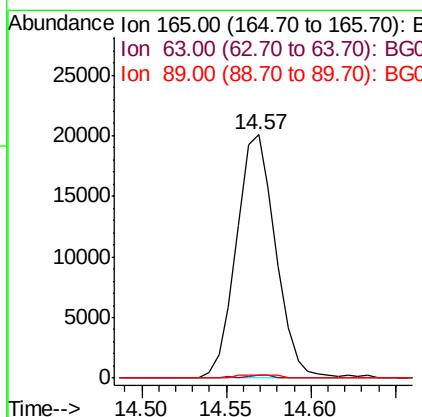
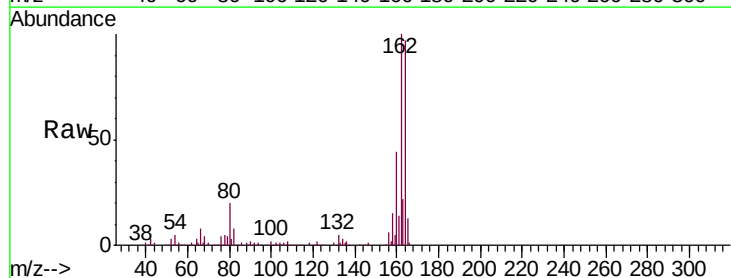
Instrument :
BNA_G
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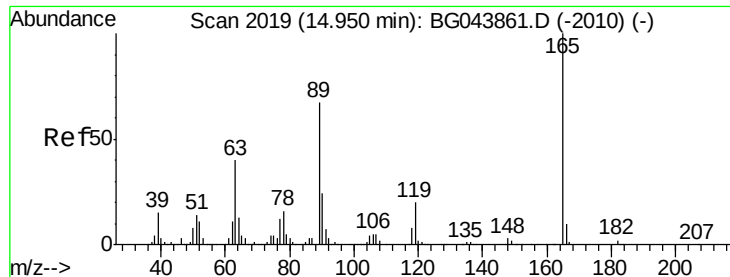
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.7	5.5
164	11.1	9.3	13.9



#51
2,6-Dinitrotoluene
Concen: 8.143 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.41 min
Lab File: BG044113.D
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.1	64.7#
89	1.2	43.8	65.6#

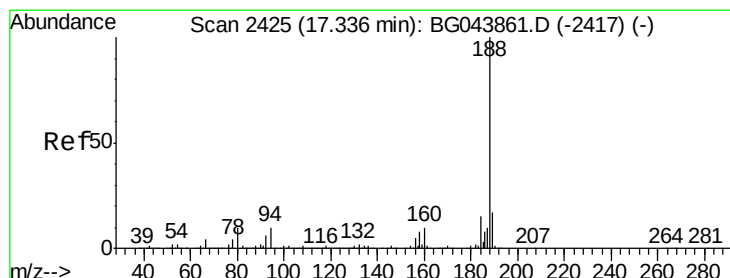
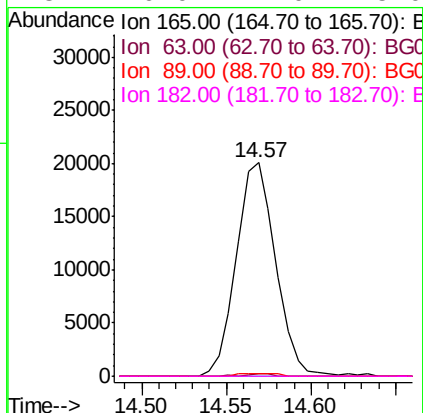
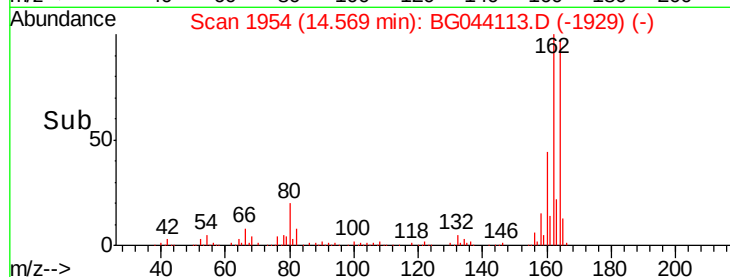
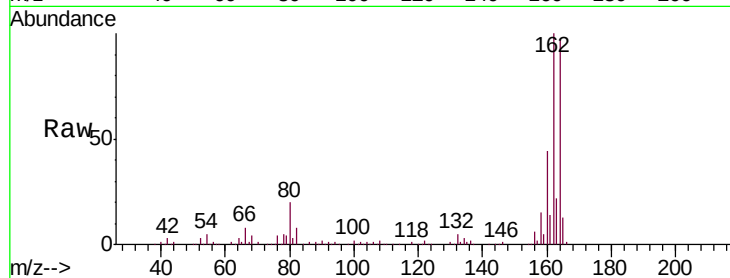




#57
 2,4-Dinitrotoluene
 Concen: 5.984 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG044113.D
 Acq: 21 Jan 2020 00:54

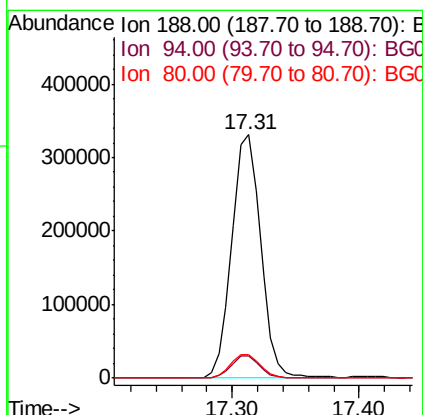
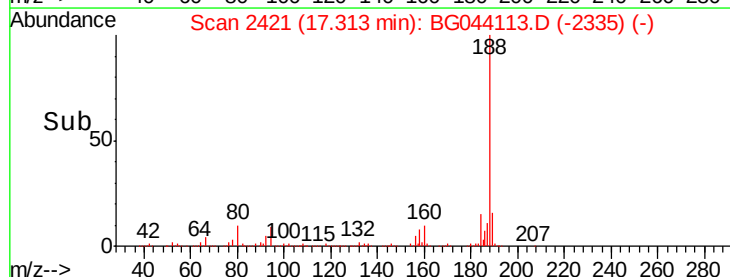
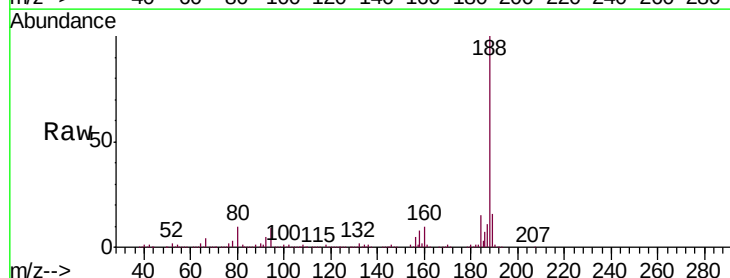
Instrument :
 BNA_G
 ClientSampleId :
 E2-E3

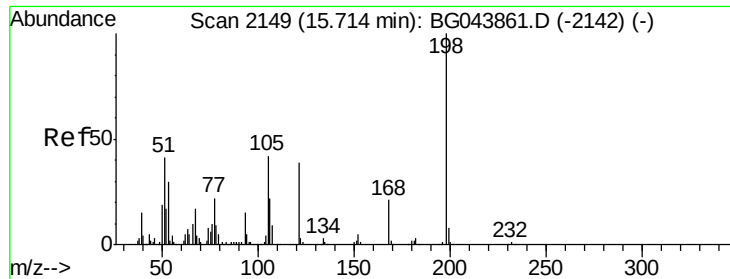
Tgt Ion:	165	Resp:	32445
Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.9	47.9#
89	1.2	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG044113.D
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Tgt Ion:	188	Resp:	523824
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.9	11.9
80	9.8	8.2	12.4

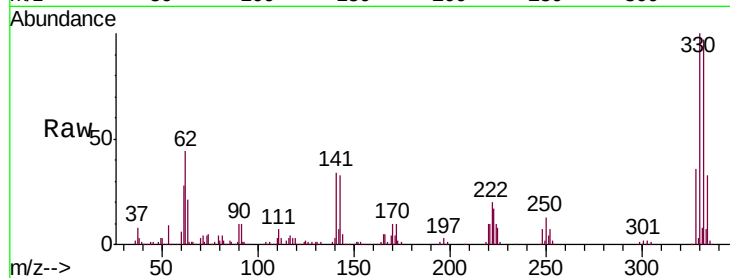




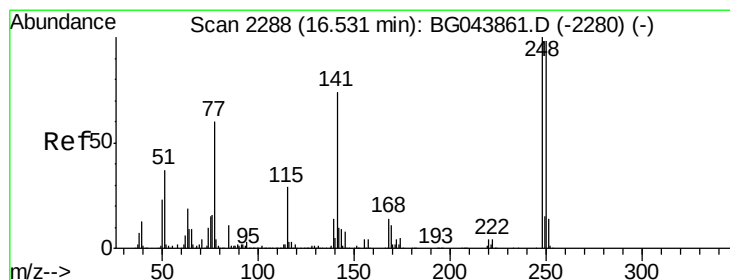
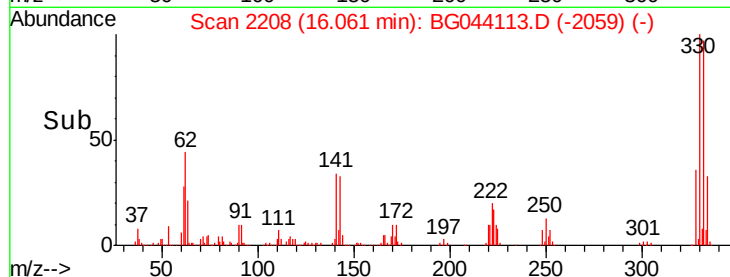
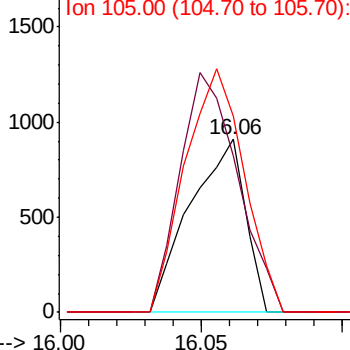
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.803 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. 0.35 min
 Lab File: BG044113.D
 Acq: 21 Jan 2020 00:54

Instrument :
 BNA_G
 ClientSampleId :
 E2-E3

Tgt Ion:198 Resp: 1229
 Ion Ratio Lower Upper
 198 100
 51 90.4 22.5 62.5#
 105 113.4 22.3 62.3#

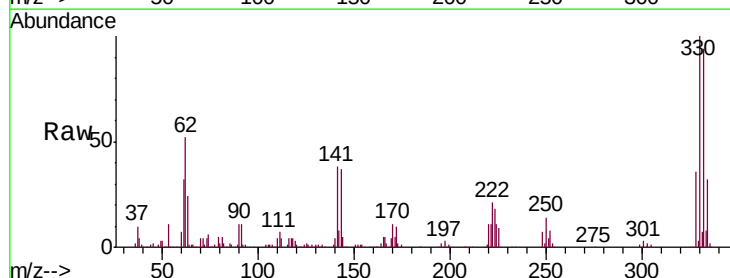


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

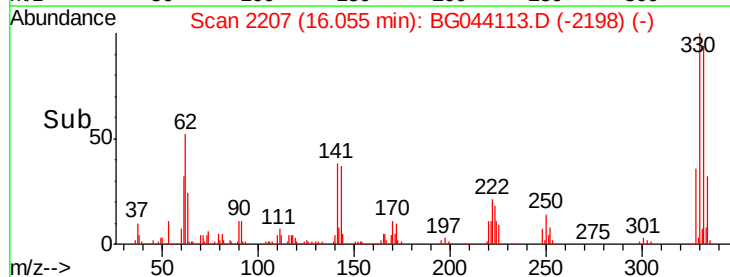
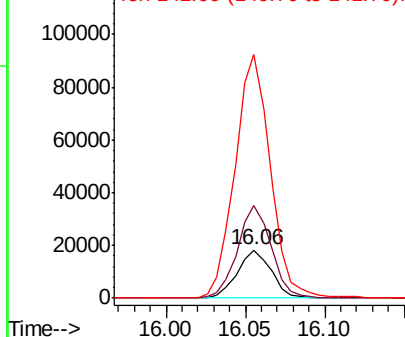


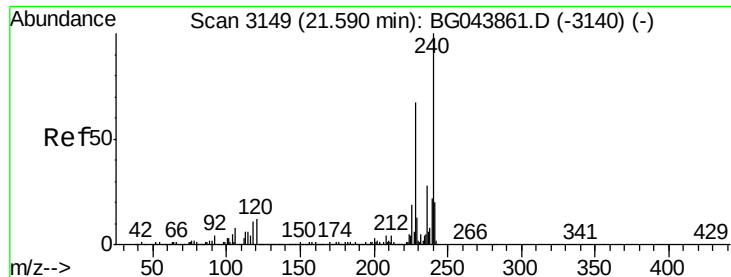
#67
 4-Bromophenyl-phenylether
 Concen: 4.557 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044113.D
 Acq: 21 Jan 2020 00:54

Tgt Ion:248 Resp: 26847
 Ion Ratio Lower Upper
 248 100
 250 192.4 78.2 117.2#
 141 508.0 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

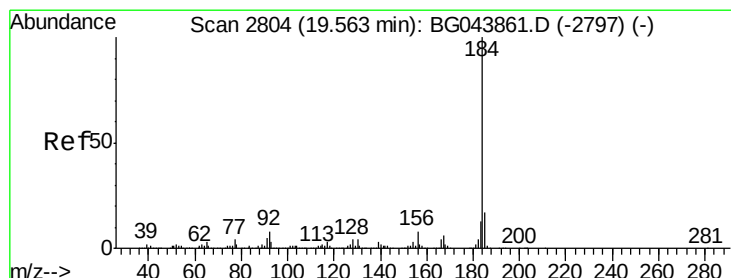
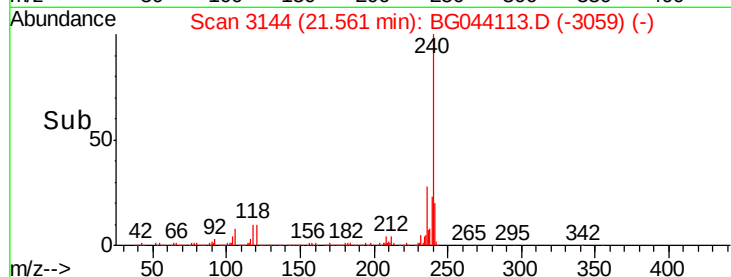
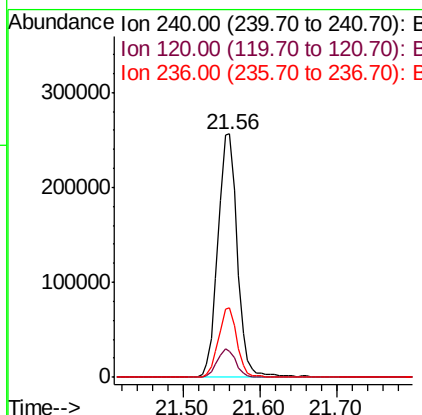
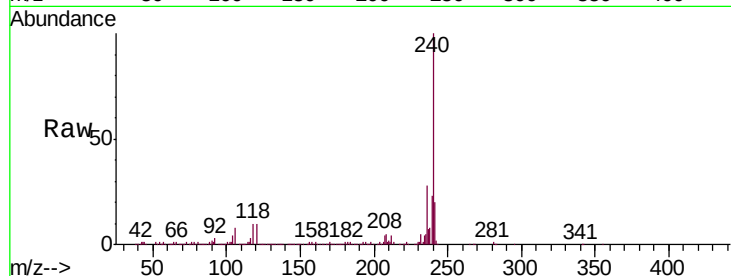




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.03 min
Lab File: BG044113.D
Acq: 21 Jan 2020 00:54

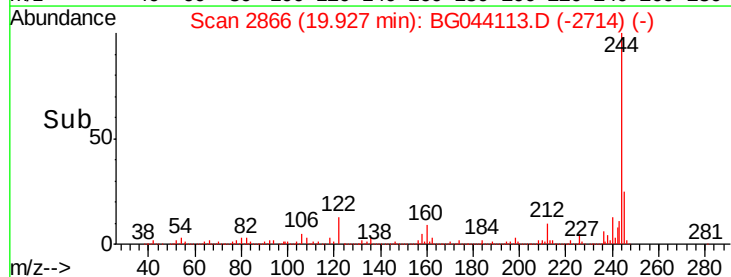
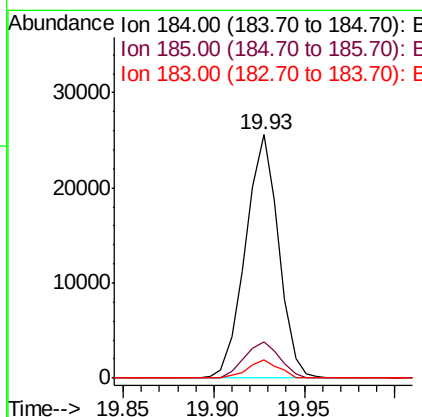
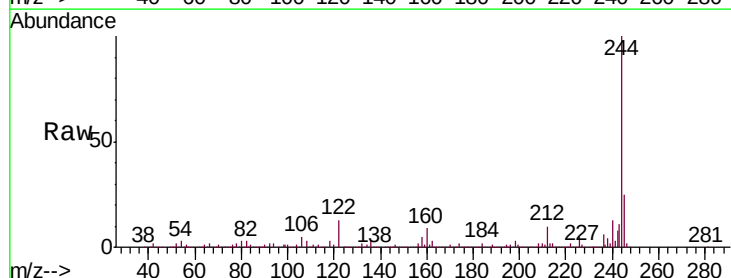
Instrument :
BNA_G
ClientSampleId :
E2-E3

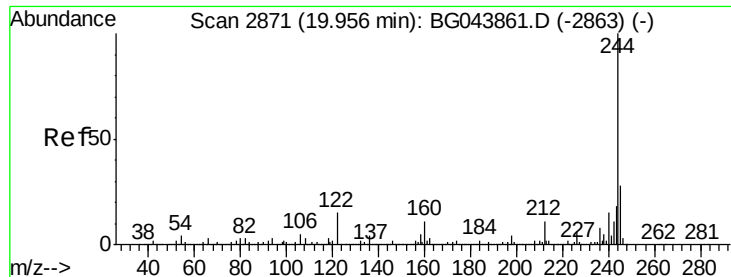
Tgt Ion:240 Resp: 447925
Ion Ratio Lower Upper
240 100
120 10.4 9.6 14.4
236 28.4 22.2 33.2



#77
Benzidine
Concen: 2.882 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044113.D
Acq: 21 Jan 2020 00:54

Tgt Ion:184 Resp: 32452
Ion Ratio Lower Upper
184 100
185 15.0 13.4 20.0
183 7.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 102.632 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044113.D

Acq: 21 Jan 2020 00:54

Instrument :

BNA_G

ClientSampleId :

E2-E3

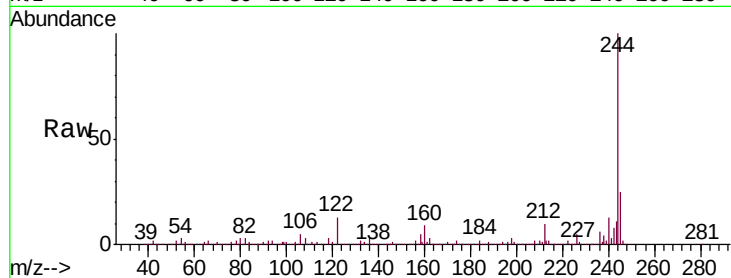
Tgt Ion:244 Resp: 1808823

Ion Ratio Lower Upper

244 100

212 9.6 8.6 13.0

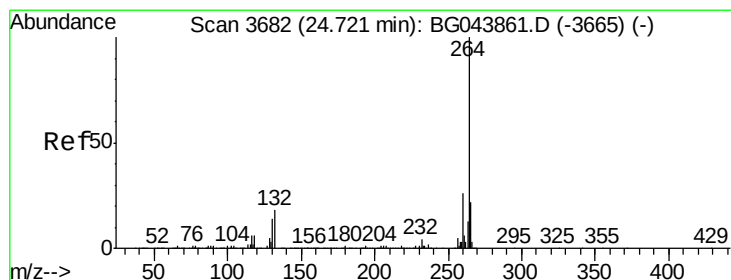
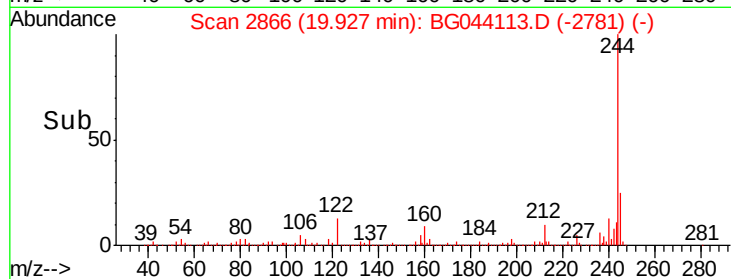
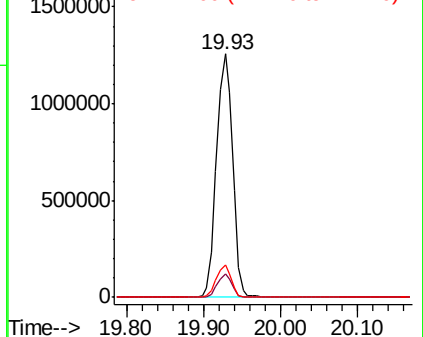
122 13.3 11.9 17.9



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: BG044113.D

Acq: 21 Jan 2020 00:54

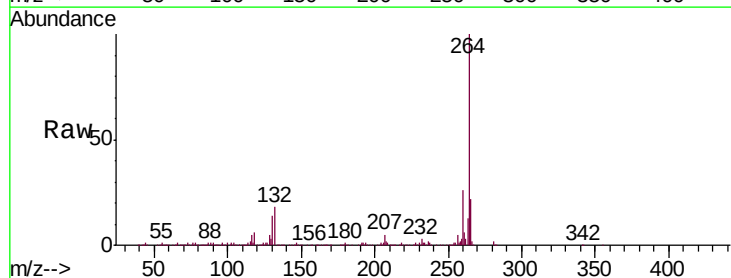
Tgt Ion:264 Resp: 494522

Ion Ratio Lower Upper

264 100

260 25.7 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

