

Data File : BG044120.D
Acq On : 21 Jan 2020 6:16
Operator : JU
Sample : L1176-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP-2

Quant Time: Jan 21 07:42:04 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	80619	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	352912	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	247352	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	510964	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	440873	20.00	ng	-0.03
87) Perylene-d12	24.67	264	480322	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	739232	168.36	ng	-0.03
7) Phenol-d6	7.10	99	1072882	174.81	ng	-0.02
23) Nitrobenzene-d5	9.09	82	623338	94.49	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	411820	159.10	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1451368	106.31	ng	-0.03
79) Terphenyl-d14	19.93	244	2003045	121.98	ng	-0.03

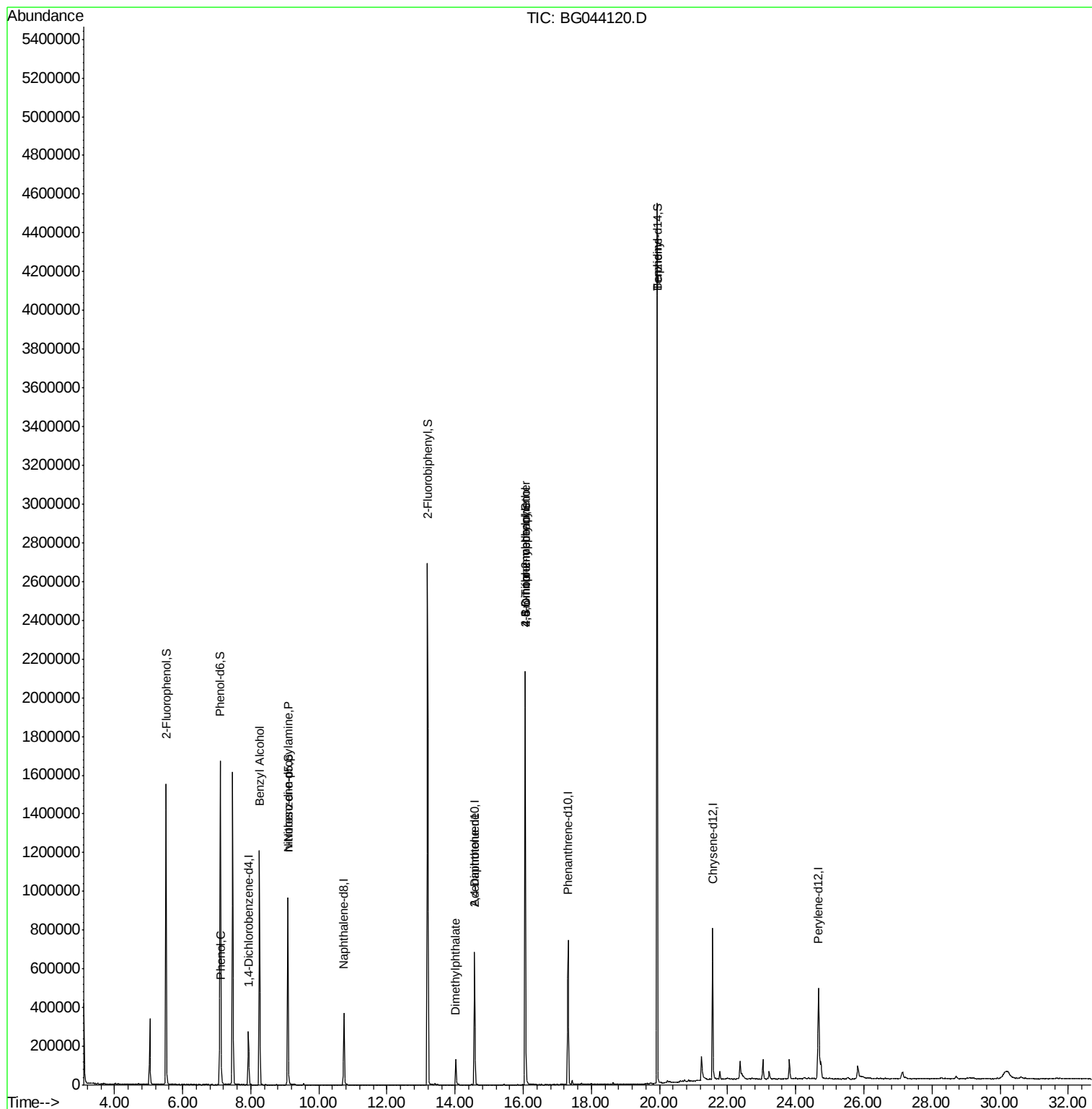
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.13	94	41577	6.575	ng	96
15) Benzyl Alcohol	8.26	79	9691	2.001	ng	# 46
19) n-Nitroso-di-n-propylamine	9.09	70	81057	17.734	ng	# 79
50) Dimethylphthalate	14.02	163	106768	6.079	ng	# 97
57) 2,4-Dinitrotoluene	14.57	165	32347	5.989	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1652	4.960	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	28322	4.928	ng	# 1
77) Benzidine	19.93	184	36018	3.250	ng	# 93

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

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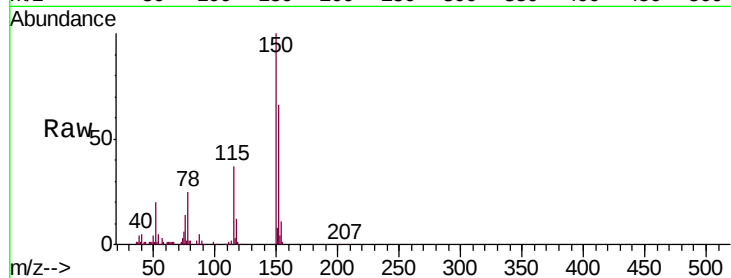


#1

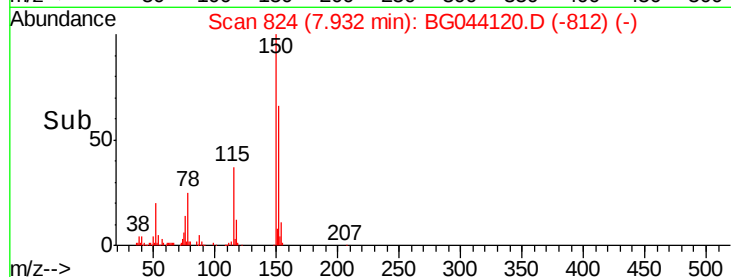
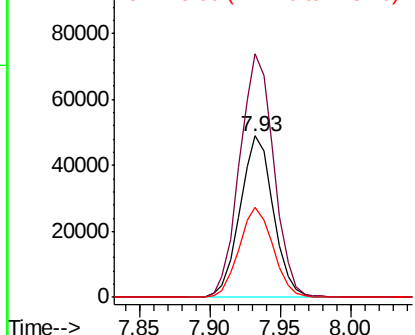
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: BG044120.D
 Acq: 21 Jan 2020 6:16

Instrument :
 BNA_G
 ClientSampleId :
 EP-2

Tgt Ion:152 Resp: 80619
 Ion Ratio Lower Upper
 152 100
 150 150.7 127.0 190.4
 115 55.7 47.8 71.8



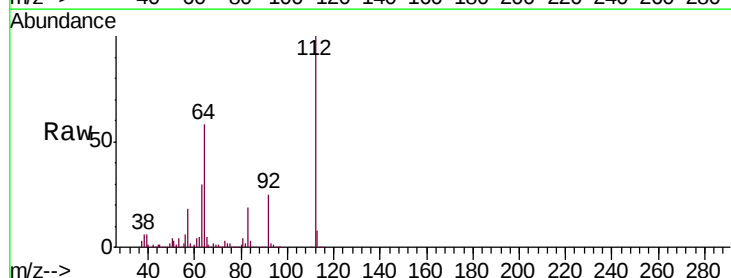
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



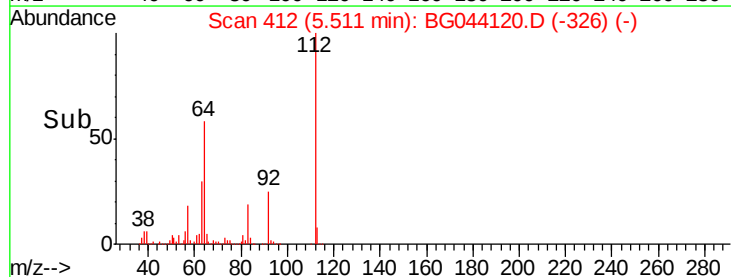
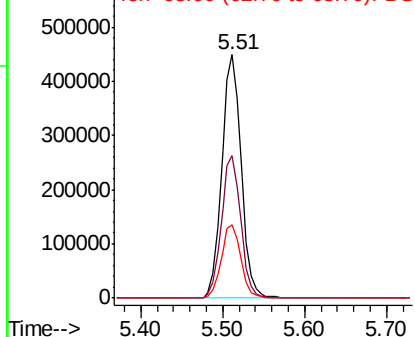
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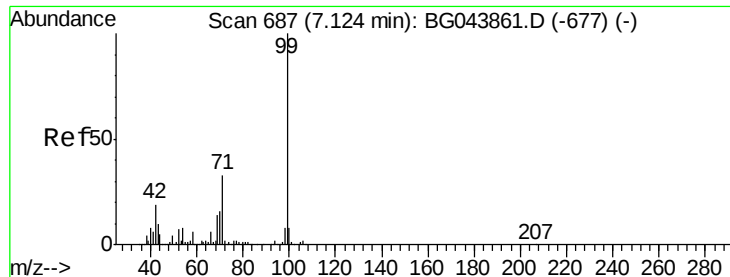
2-Fluorophenol
 Concen: 168.362 ng
 RT: 5.51 min Scan# 412
 Delta R.T. -0.03 min
 Lab File: BG044120.D
 Acq: 21 Jan 2020 6:16

Tgt Ion:112 Resp: 739232
 Ion Ratio Lower Upper
 112 100
 64 58.3 47.8 71.6
 63 30.4 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: 174.809 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044120.D

Acq: 21 Jan 2020 6:16

Instrument :

BNA_G

ClientSampleId :

EP-2

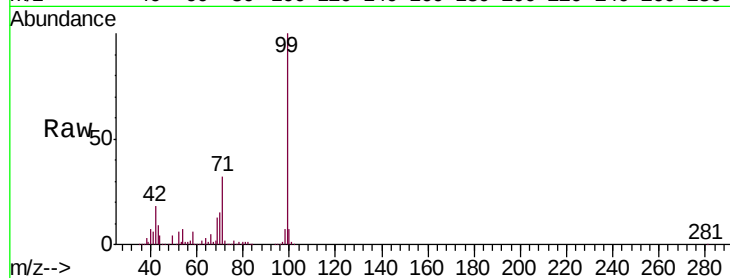
Tgt Ion: 99 Resp: 1072882

Ion Ratio Lower Upper

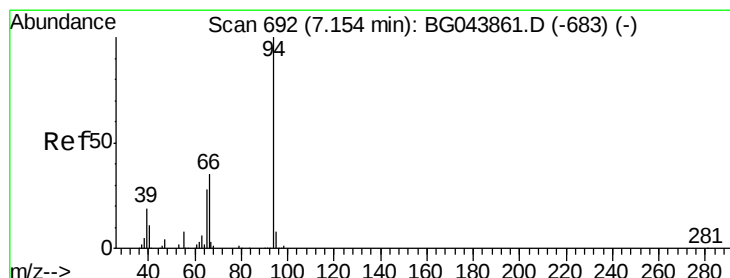
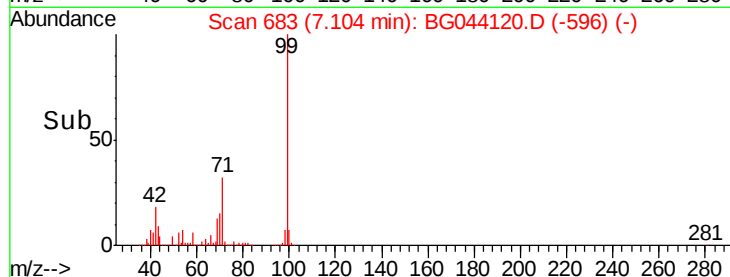
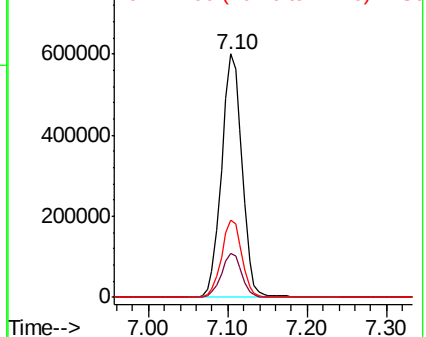
99 100

42 18.2 14.9 22.3

71 31.7 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: 6.575 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG044120.D

Acq: 21 Jan 2020 6:16

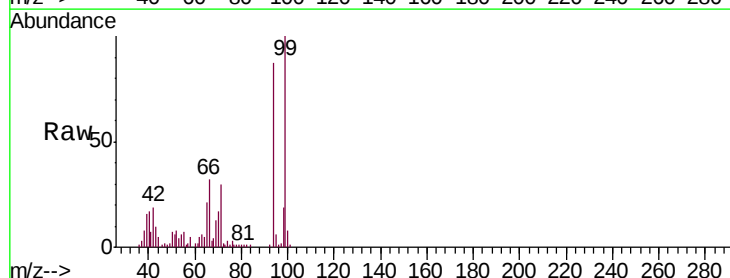
Tgt Ion: 94 Resp: 41577

Ion Ratio Lower Upper

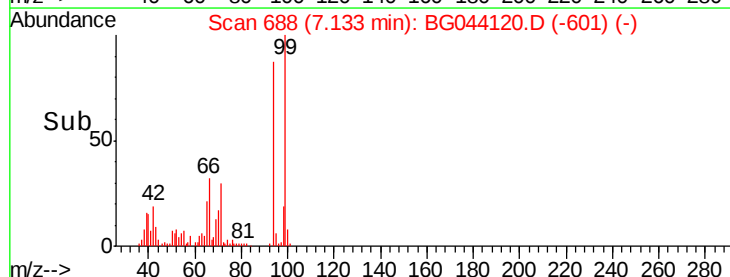
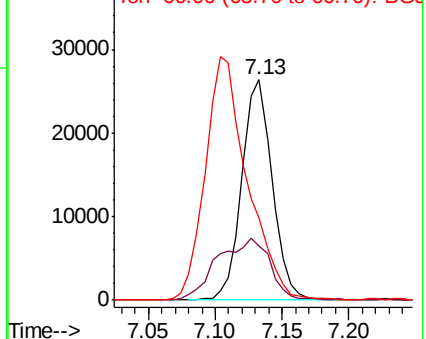
94 100

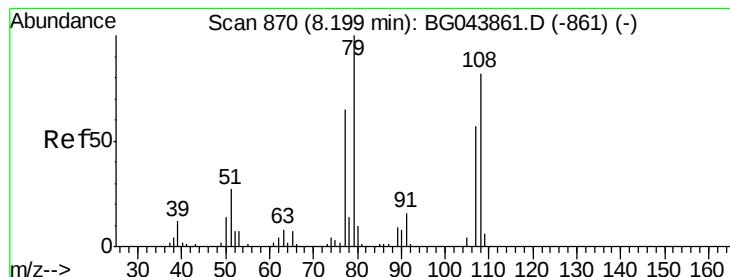
65 24.6 8.1 48.1

66 37.1 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





#15

Benzyl Alcohol

Concen: 2.001 ng

RT: 8.26 min Scan# 879

Delta R.T. 0.06 min

Lab File: BG044120.D

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Instrument :

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EP-2

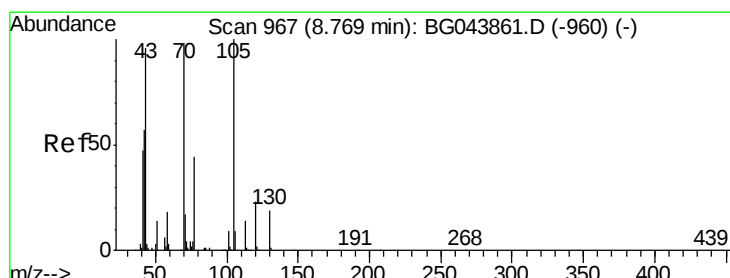
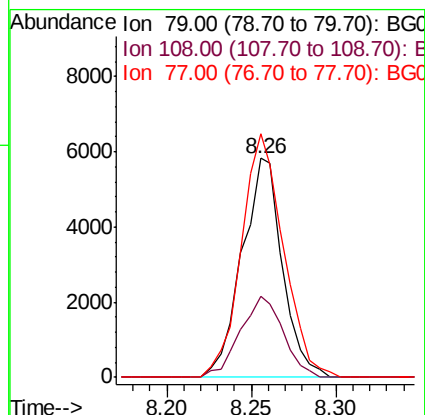
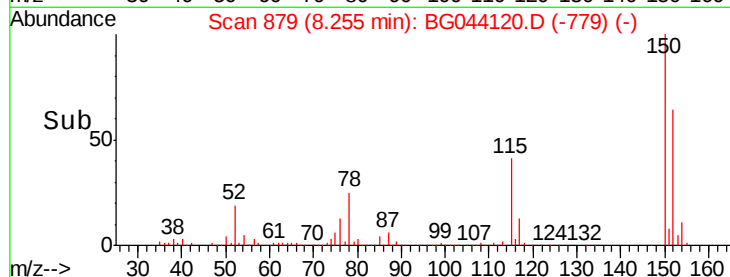
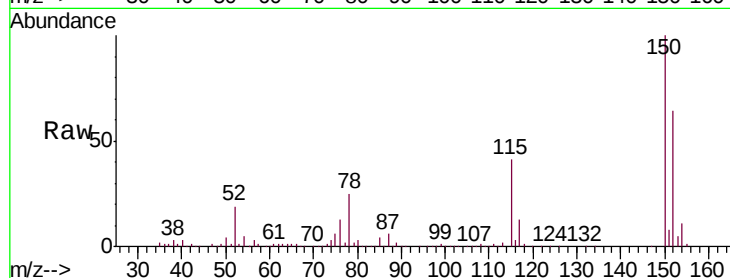
Tgt Ion: 79 Resp: 9691

Ion Ratio Lower Upper

79 100

108 37.3 65.6 98.4#

77 111.1 52.0 78.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.734 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044120.D

Acq: 21 Jan 2020 6:16

Tgt Ion: 70 Resp: 81057

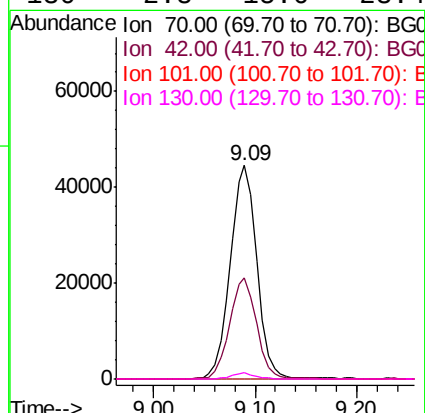
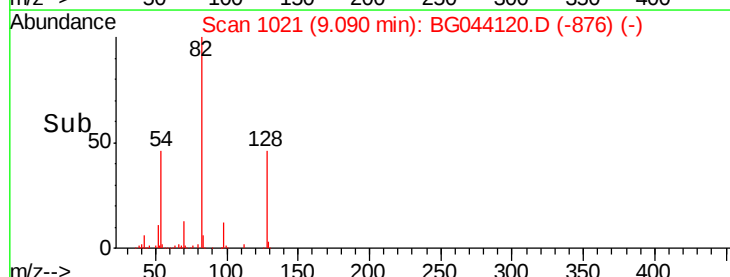
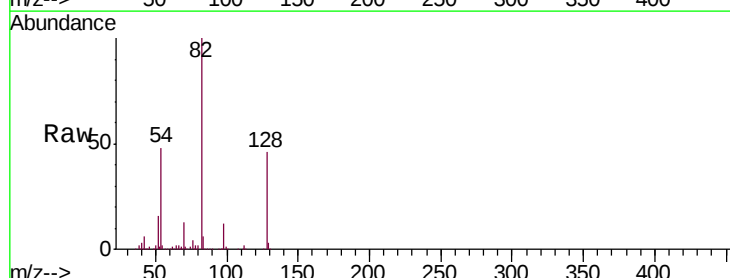
Ion Ratio Lower Upper

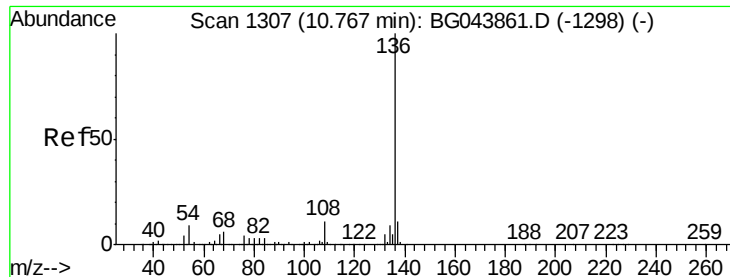
70 100

42 47.1 47.0 70.4

101 0.0 7.2 10.8#

130 2.8 15.6 23.4#

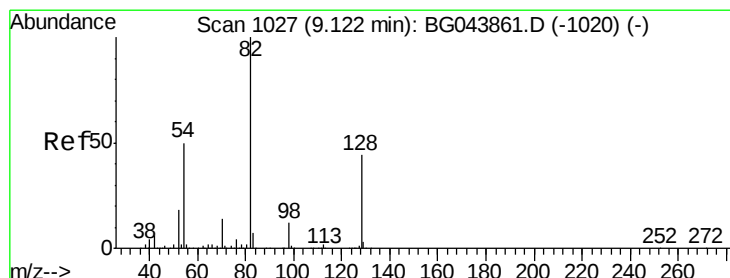
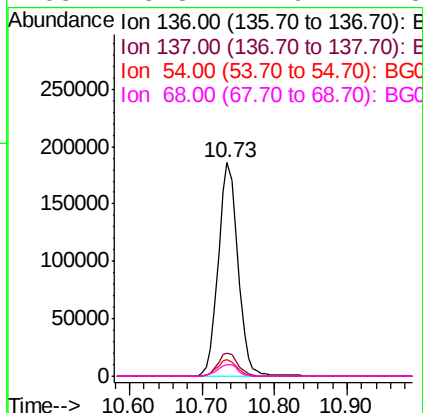
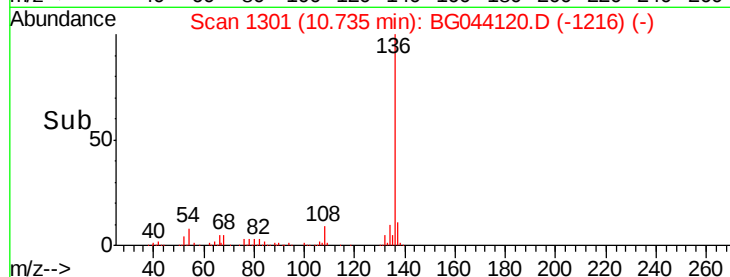
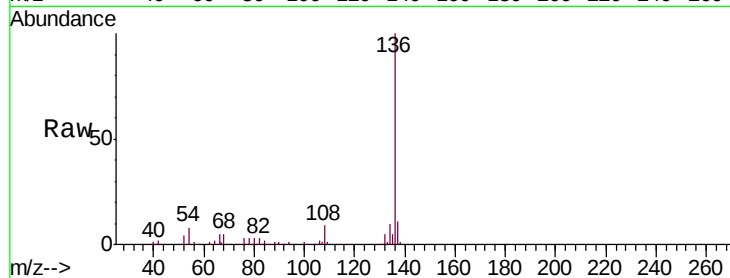




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044120.D
Acq: 21 Jan 2020 6:16

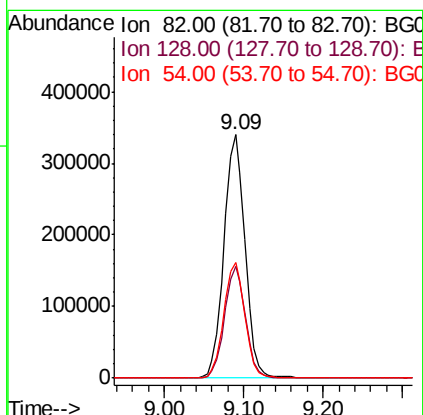
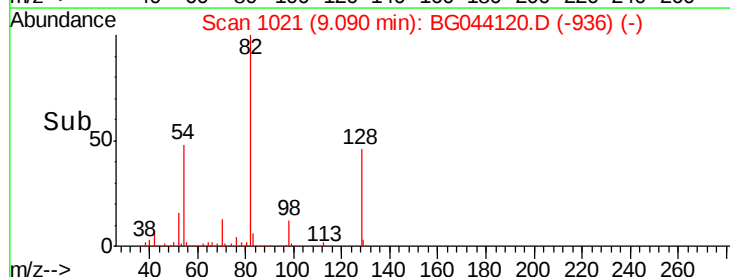
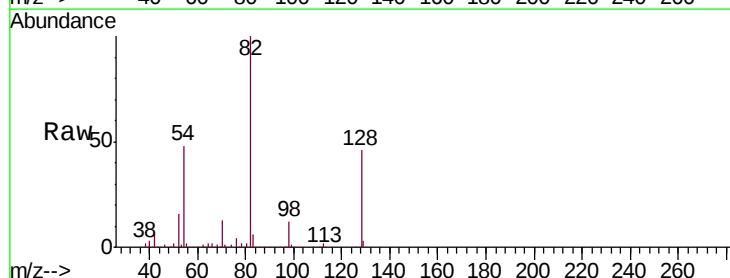
Instrument :
BNA_G
ClientSampleId :
EP-2

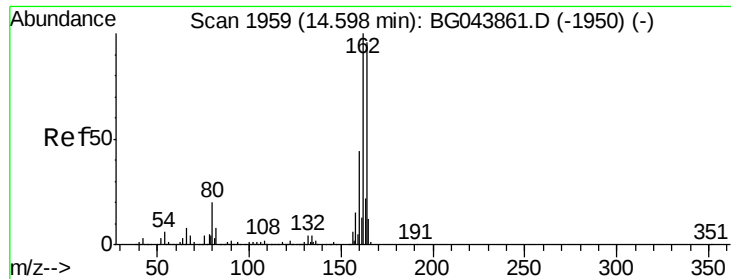
Tgt Ion:	136	Resp:	352912
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	7.0	10.4
68	5.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 94.488 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044120.D
Acq: 21 Jan 2020 6:16

Tgt Ion:	82	Resp:	623338
Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.1	52.7
54	47.6	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: BG044120.D

Acq: 21 Jan 2020 6:16

Instrument :

BNA_G

ClientSampleId :

EP-2

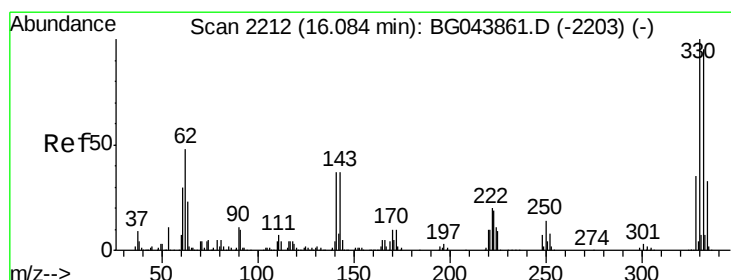
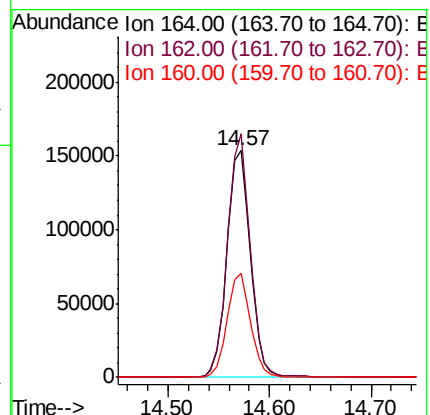
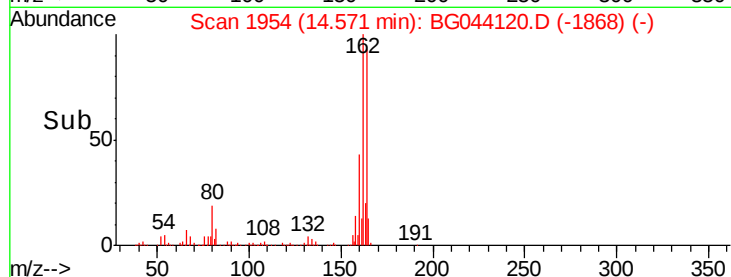
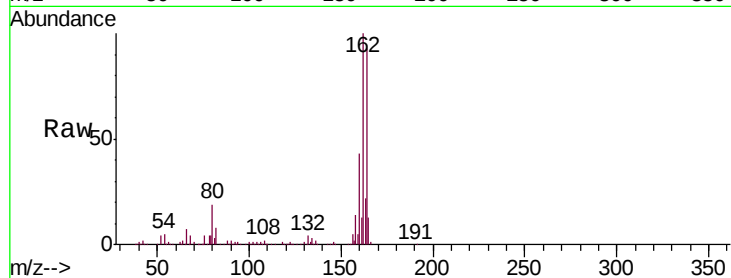
Tgt Ion:164 Resp: 247352

Ion Ratio Lower Upper

164 100

162 107.6 83.0 124.4

160 46.3 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 159.097 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044120.D

Acq: 21 Jan 2020 6:16

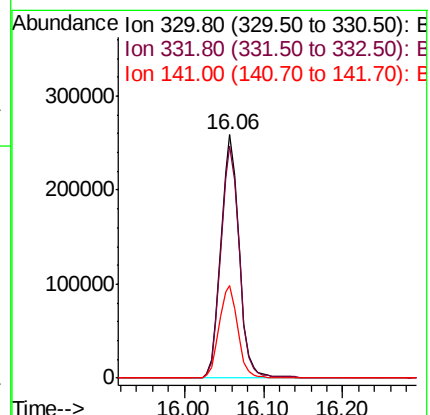
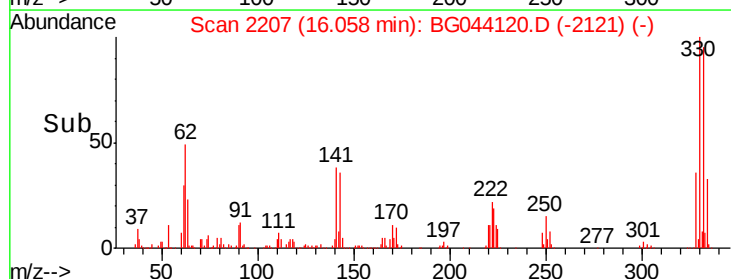
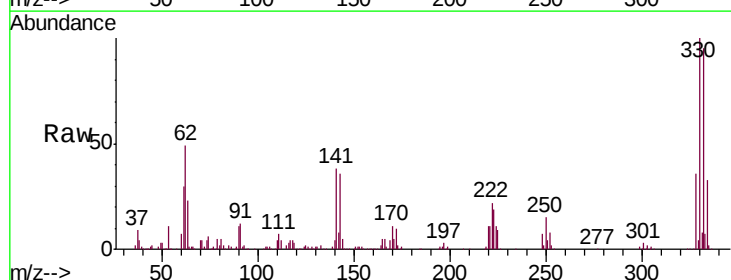
Tgt Ion:330 Resp: 411820

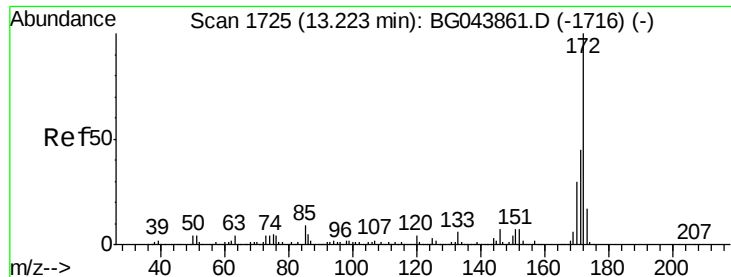
Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

141 38.8 33.1 49.7

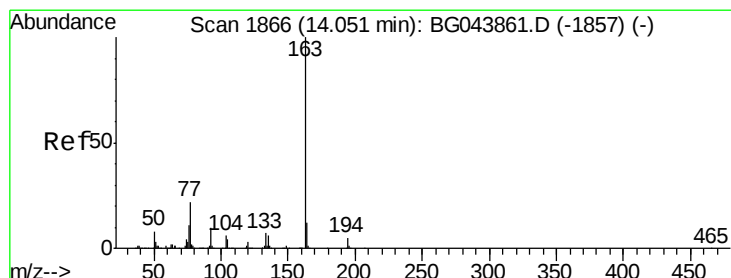
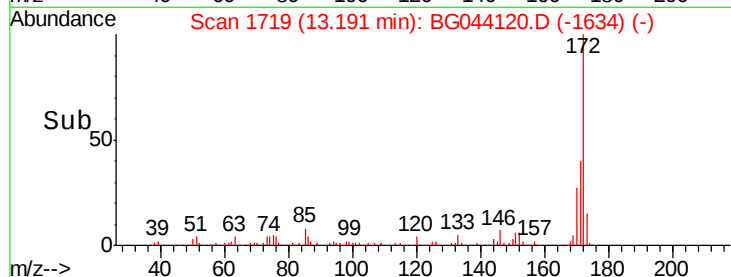
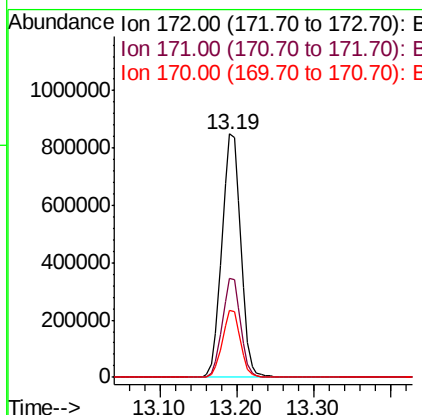
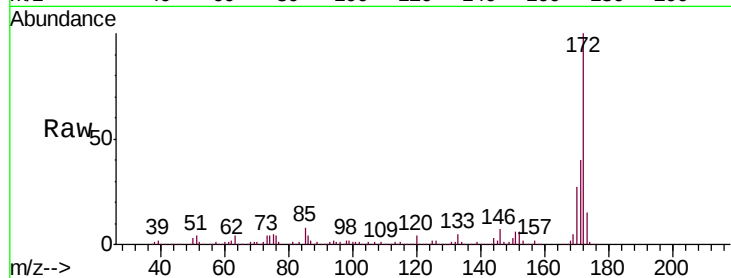




#45
2-Fluorobiphenyl
Concen: 106.308 ng
RT: 13.19 min Scan# 1719
Delta R.T. -0.03 min
Lab File: BG044120.D
Acq: 21 Jan 2020 6:16

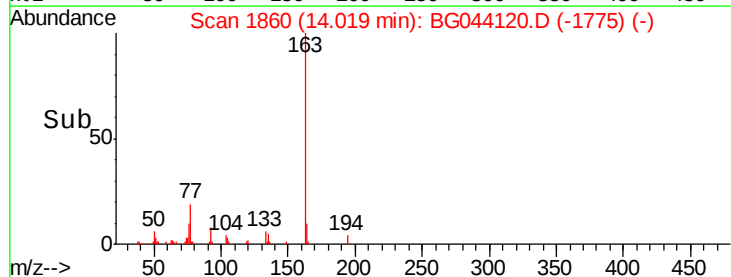
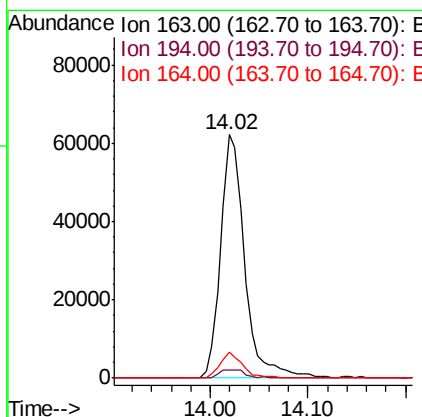
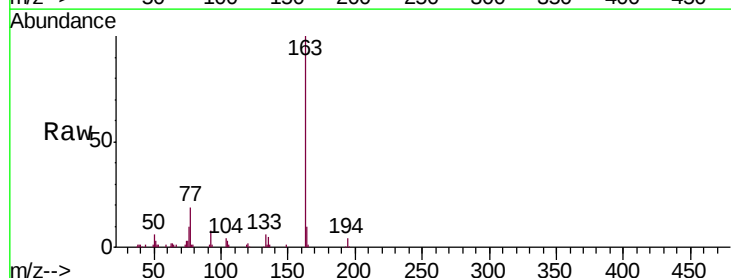
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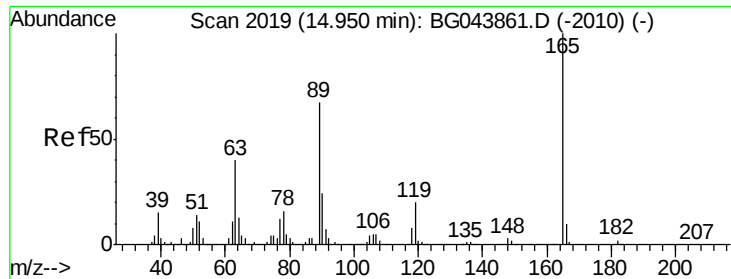
Tgt Ion:172 Resp: 1451368
Ion Ratio Lower Upper
172 100
171 40.5 35.8 53.8
170 27.3 24.2 36.4



#50
Dimethylphthalate
Concen: 6.079 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.03 min
Lab File: BG044120.D
Acq: 21 Jan 2020 6:16

Tgt Ion:163 Resp: 106768
Ion Ratio Lower Upper
163 100
194 3.6 3.7 5.5#
164 10.5 9.3 13.9

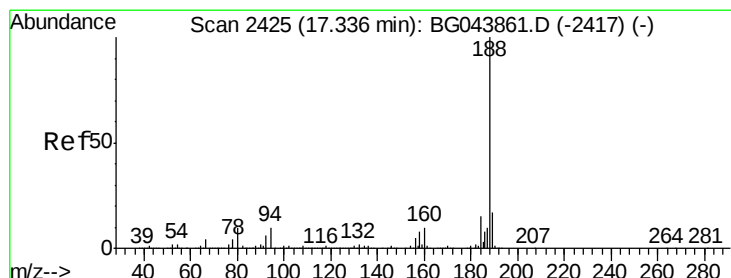
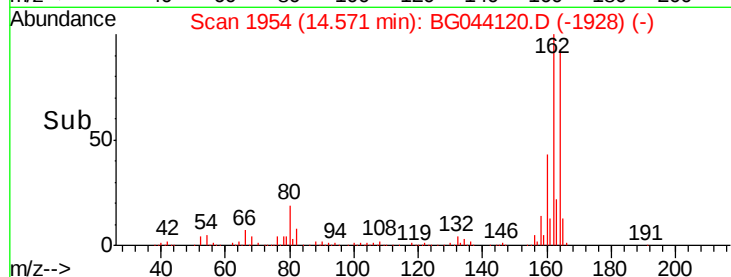
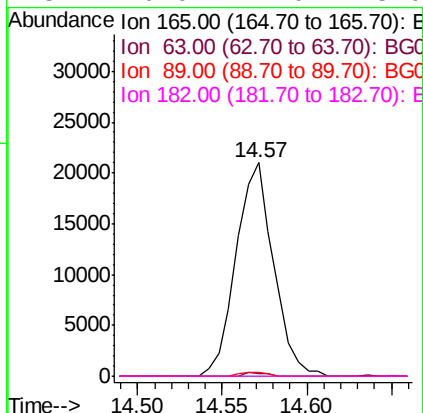
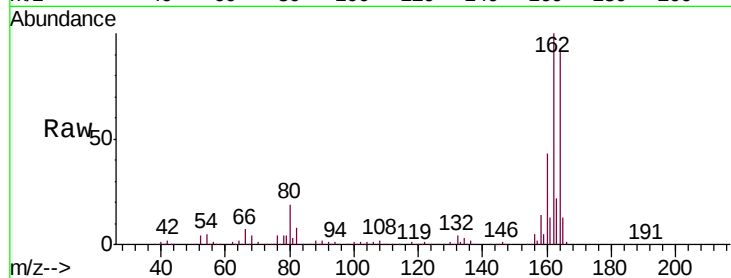




#57
 2,4-Dinitrotoluene
 Concen: 5.989 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG044120.D
 Acq: 21 Jan 2020 6:16

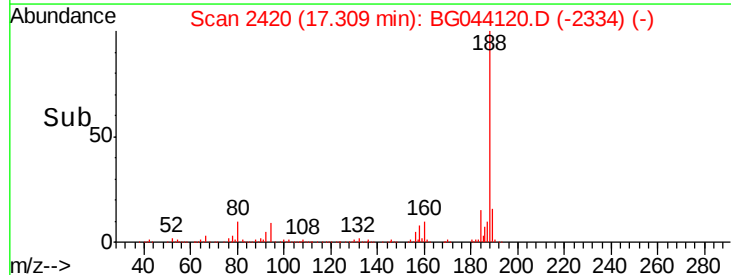
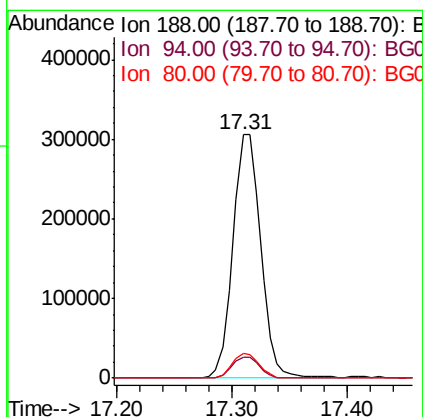
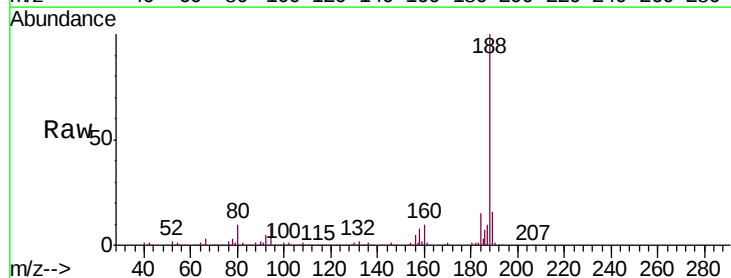
Instrument :
 BNA_G
 ClientSampleId :
 EP-2

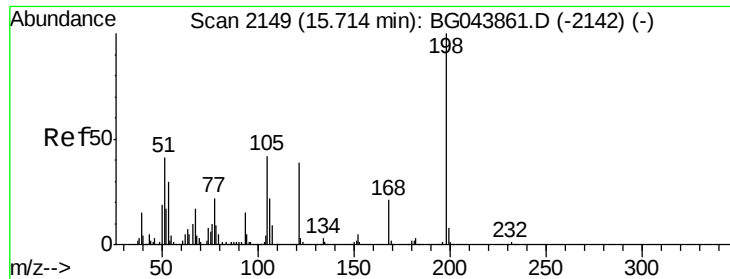
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.9	47.9#
89	1.8	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044120.D
 Acq: 21 Jan 2020 6:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.9	11.9
80	10.2	8.2	12.4

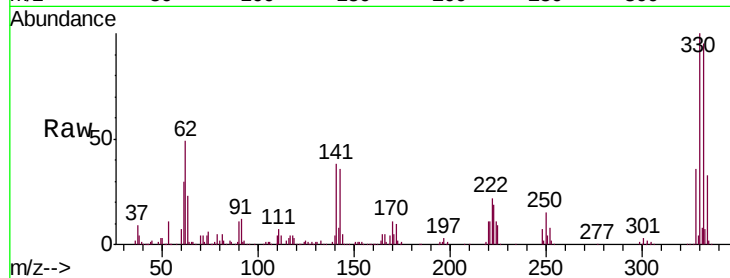




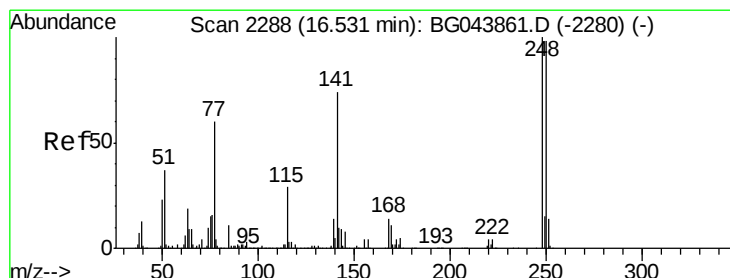
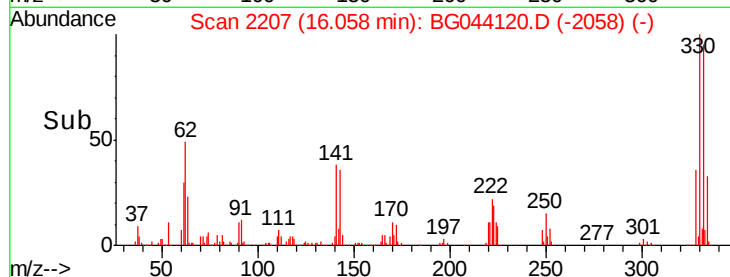
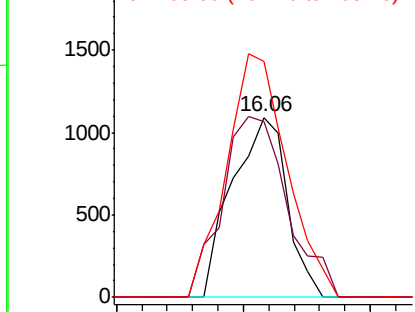
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.960 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044120.D
 Acq: 21 Jan 2020 6:16

Instrument :
 BNA_G
 ClientSampleId :
 EP-2

Tgt Ion:198 Resp: 1652
 Ion Ratio Lower Upper
 198 100
 51 97.3 22.5 62.5#
 105 131.3 22.3 62.3#

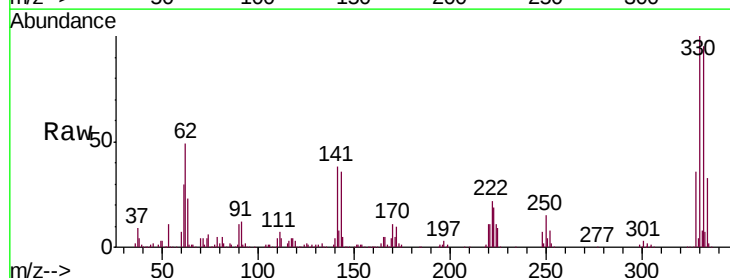


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

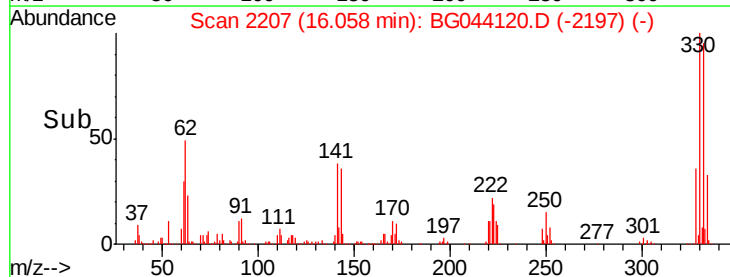
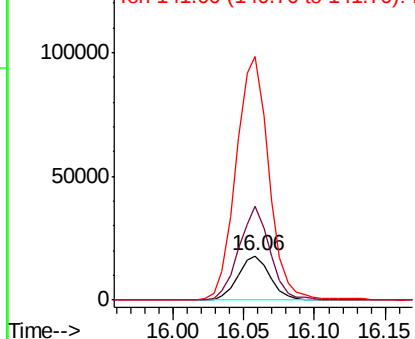


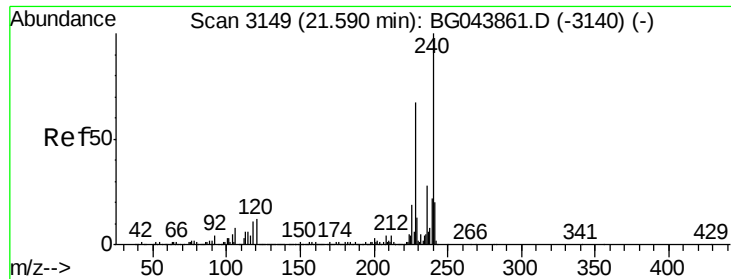
#67
 4-Bromophenyl-phenylether
 Concen: 4.928 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044120.D
 Acq: 21 Jan 2020 6:16

Tgt Ion:248 Resp: 28322
 Ion Ratio Lower Upper
 248 100
 250 211.7 78.2 117.2#
 141 547.9 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

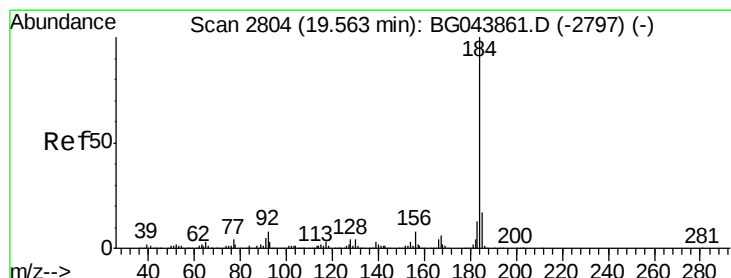
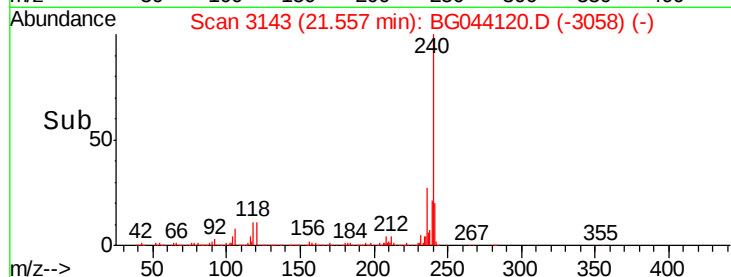
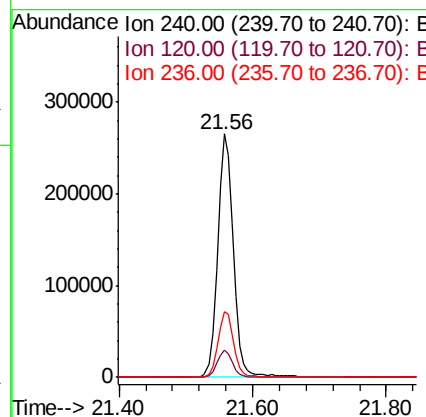
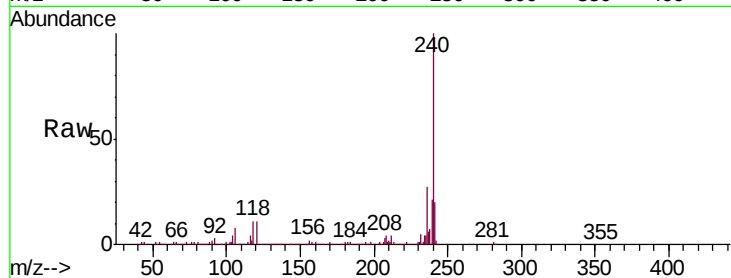




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044120.D
Acq: 21 Jan 2020 6:16

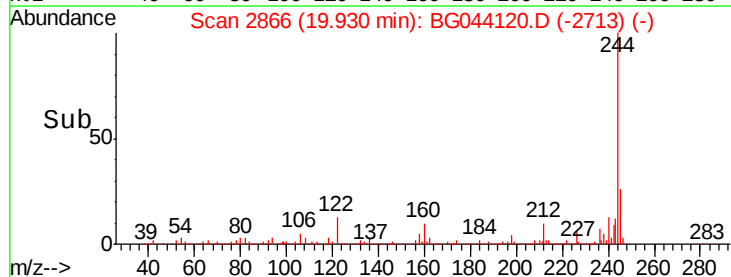
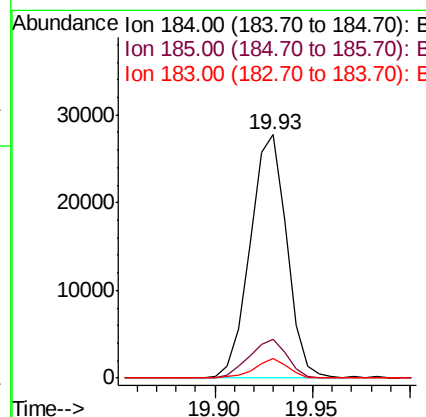
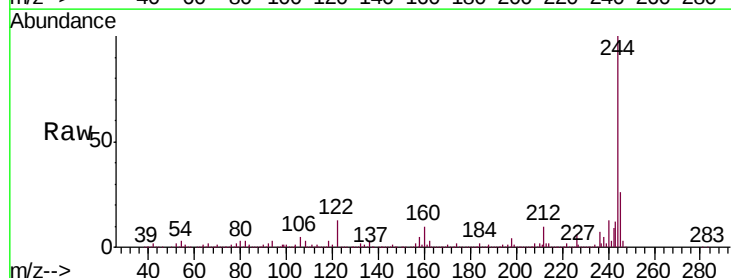
Instrument :
BNA_G
ClientSampleId :
EP-2

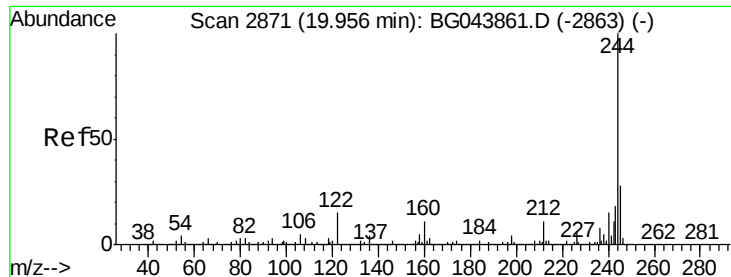
Tgt Ion:240 Resp: 440873
Ion Ratio Lower Upper
240 100
120 11.1 9.6 14.4
236 27.2 22.2 33.2



#77
Benzidine
Concen: 3.250 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.37 min
Lab File: BG044120.D
Acq: 21 Jan 2020 6:16

Tgt Ion:184 Resp: 36018
Ion Ratio Lower Upper
184 100
185 15.8 13.4 20.0
183 7.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 121.982 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044120.D

Acq: 21 Jan 2020 6:16

Instrument :

BNA_G

ClientSampleId :

EP-2

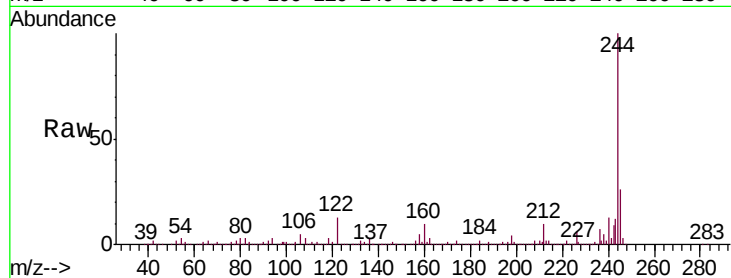
Tgt Ion:244 Resp: 2003045

Ion Ratio Lower Upper

244 100

212 9.9 8.6 13.0

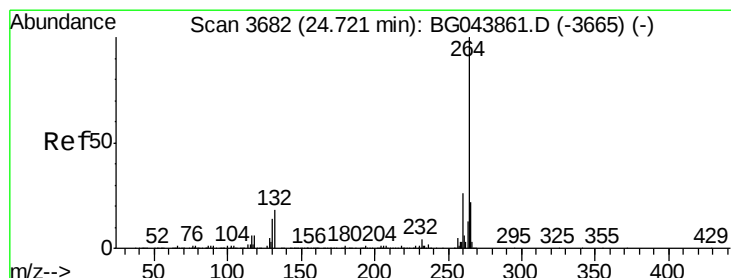
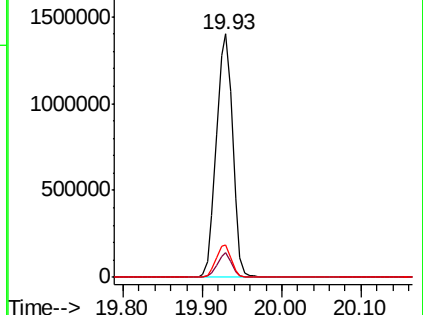
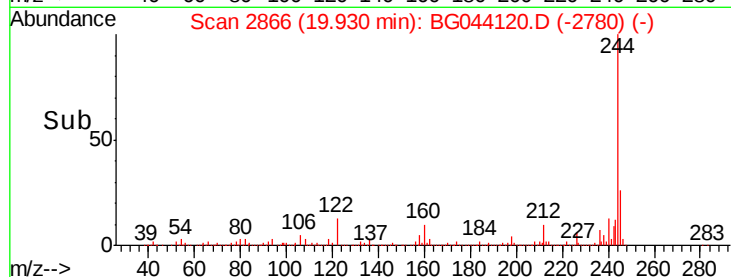
122 13.2 11.9 17.9



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: 24.67 min Scan# 3672

Delta R.T. -0.06 min

Lab File: BG044120.D

Acq: 21 Jan 2020 6:16

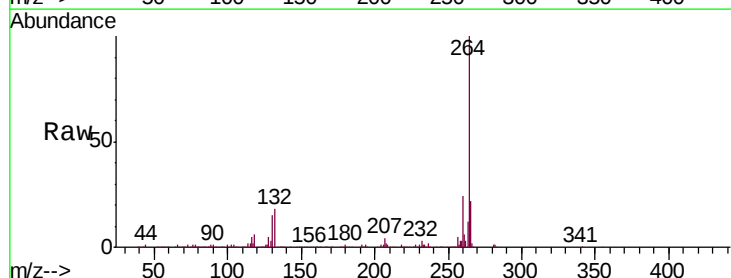
Tgt Ion:264 Resp: 480322

Ion Ratio Lower Upper

264 100

260 23.8 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

