

Data File : BG044139.D
Acq On : 21 Jan 2020 18:39
Operator : JU
Sample : L1205-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP-6

Quant Time: Jan 22 06:47:34 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

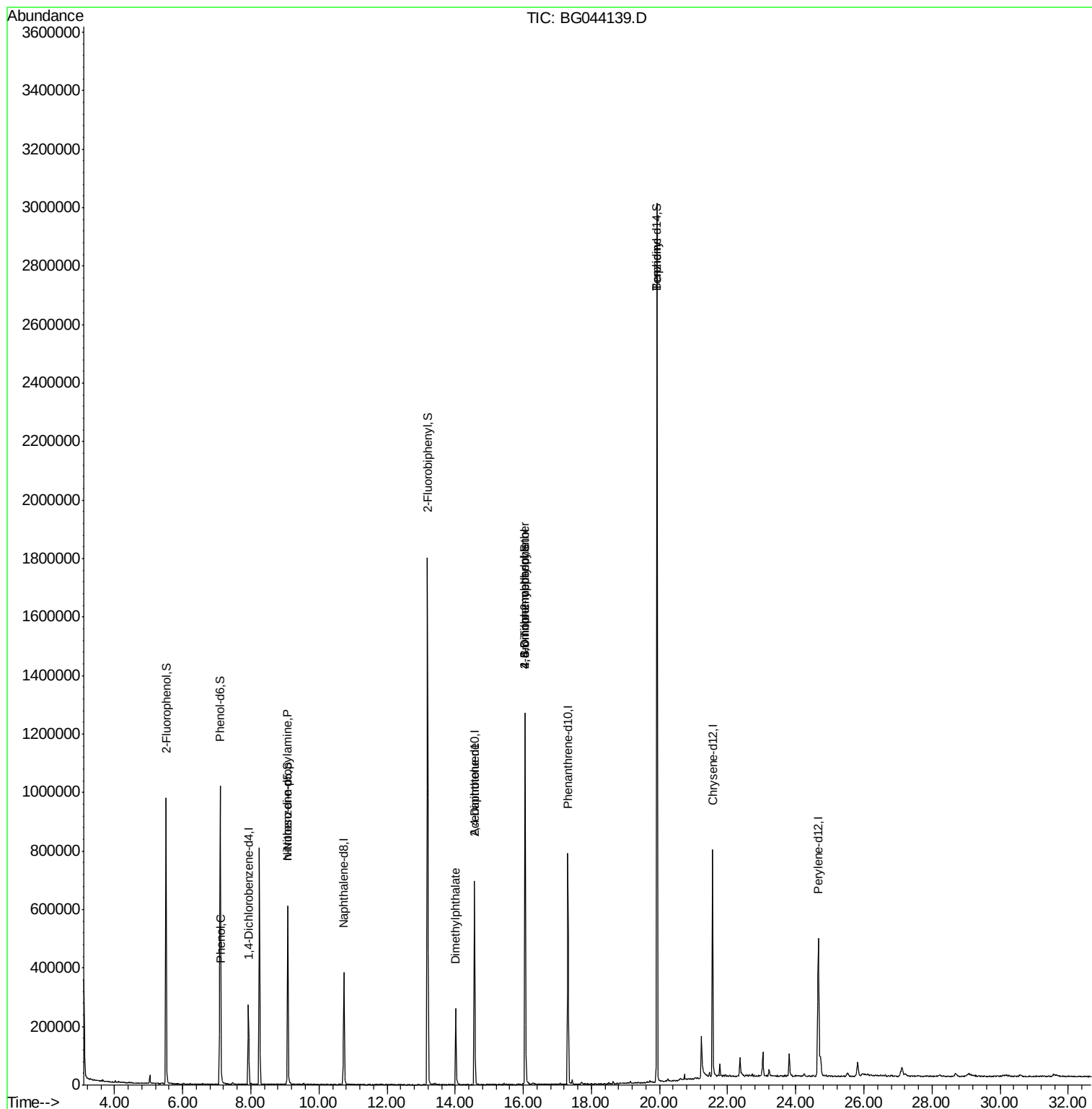
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	79848	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	362840	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	253036	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	520945	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	445861	20.00	ng	-0.03
87) Perylene-d12	24.66	264	493482	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	470024	108.08	ng	-0.03
7) Phenol-d6	7.10	99	655839	107.89	ng	-0.02
23) Nitrobenzene-d5	9.08	82	401141	59.14	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	252530	95.37	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	998829	71.52	ng	-0.03
79) Terphenyl-d14	19.92	244	1456072	76.67	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	18523	2.958	ng	86
19) n-Nitroso-di-n-propylamine	9.09	70	52598	11.619	ng	# 78
50) Dimethylphthalate	14.02	163	203254	11.313	ng	# 96
57) 2,4-Dinitrotoluene	14.56	165	32812	5.938	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	659	4.613	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	17200	2.936	ng	# 1
77) Benzidine	19.92	184	23250	2.075	ng	# 91

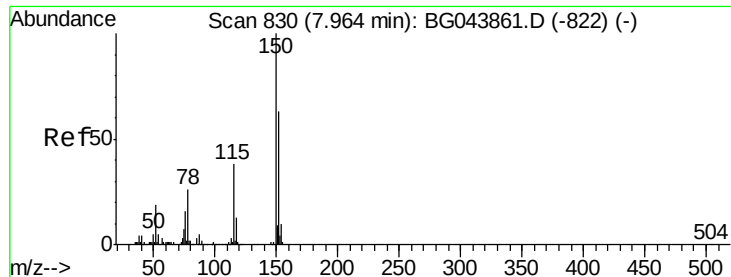
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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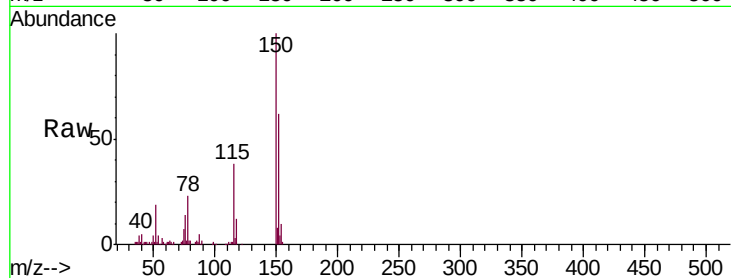


#1

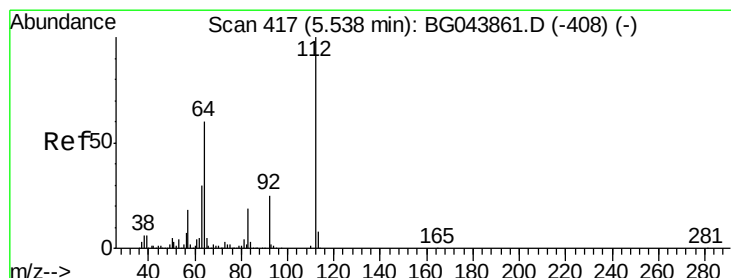
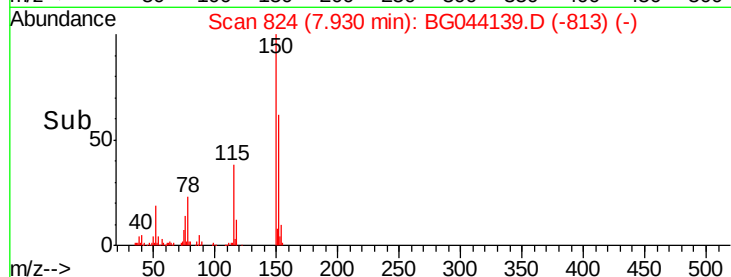
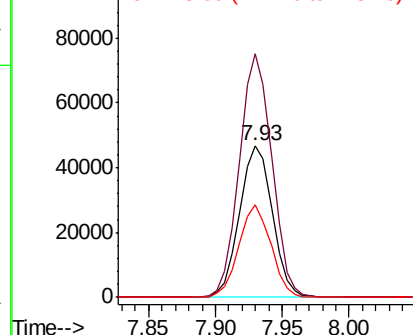
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044139.D
Acq: 21 Jan 2020 18:39

Instrument :
BNA_G
ClientSampleId :
EP-6

Tgt Ion:152 Resp: 79848
Ion Ratio Lower Upper
152 100
150 160.4 127.0 190.4
115 60.8 47.8 71.8



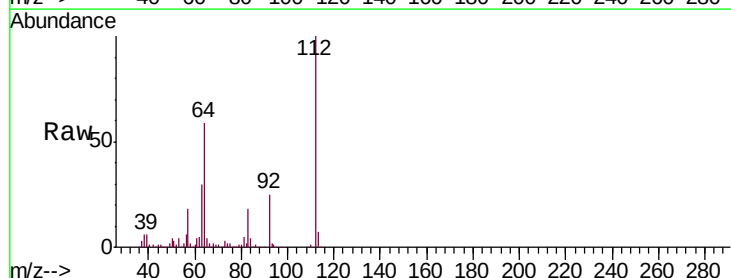
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



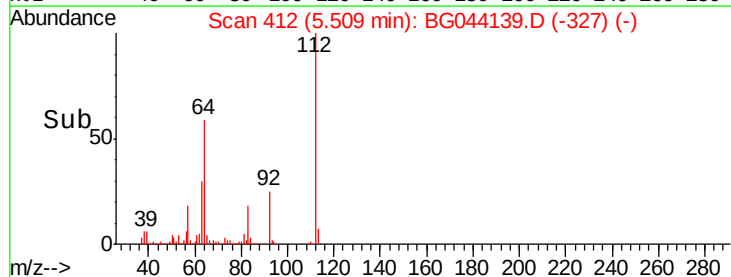
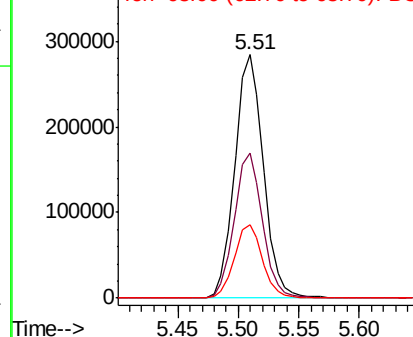
#5

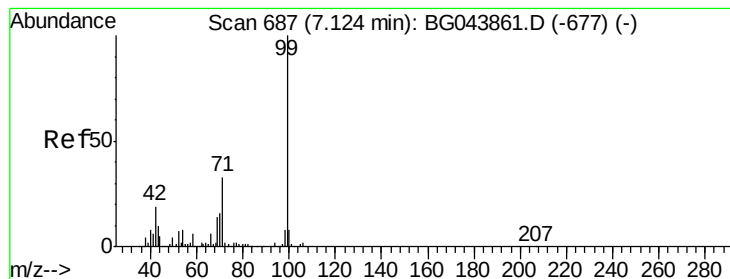
2-Fluorophenol
Concen: 108.083 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044139.D
Acq: 21 Jan 2020 18:39

Tgt Ion:112 Resp: 470024
Ion Ratio Lower Upper
112 100
64 59.5 47.8 71.6
63 30.2 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: 107.891 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

Instrument :

BNA_G

ClientSampled :

EP-6

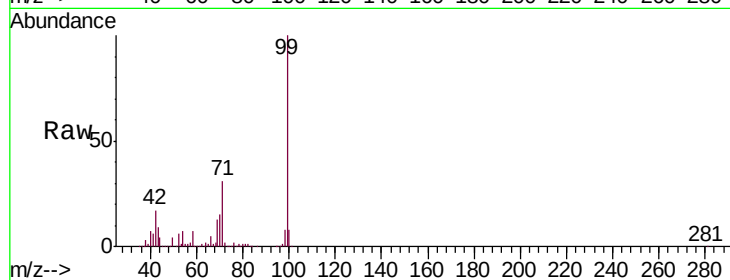
Tgt Ion: 99 Resp: 655839

Ion Ratio Lower Upper

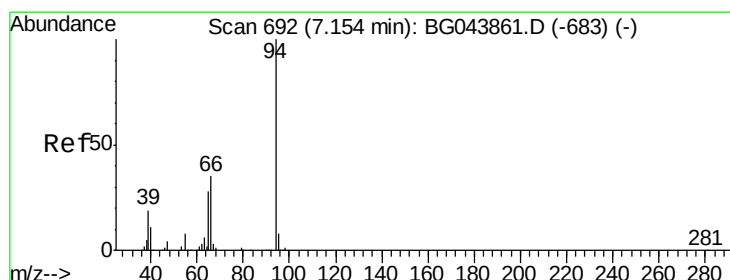
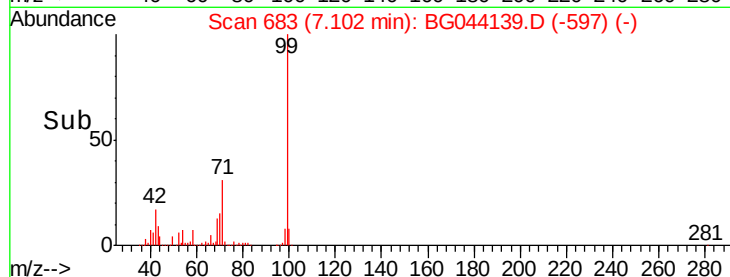
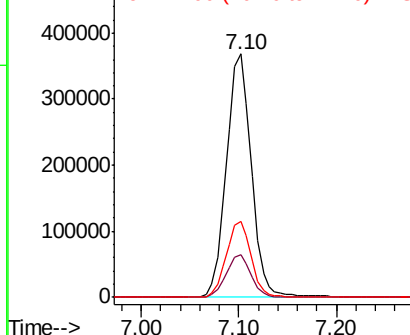
99 100

42 17.5 14.9 22.3

71 31.2 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: 2.958 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

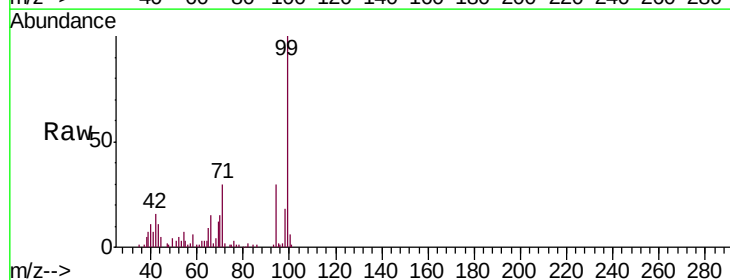
Tgt Ion: 94 Resp: 18523

Ion Ratio Lower Upper

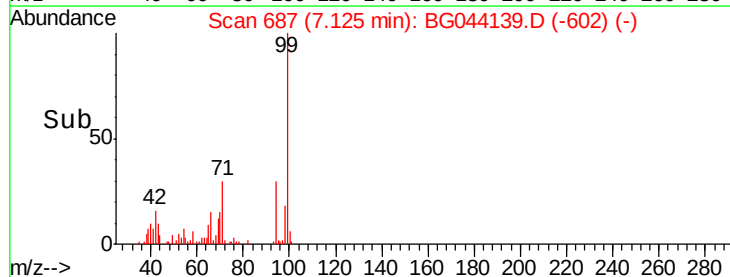
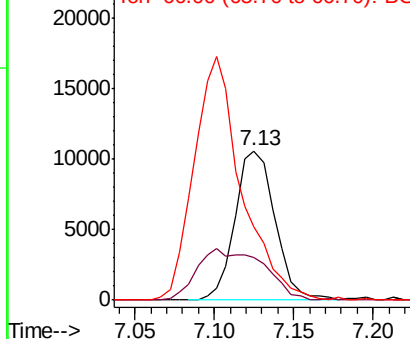
94 100

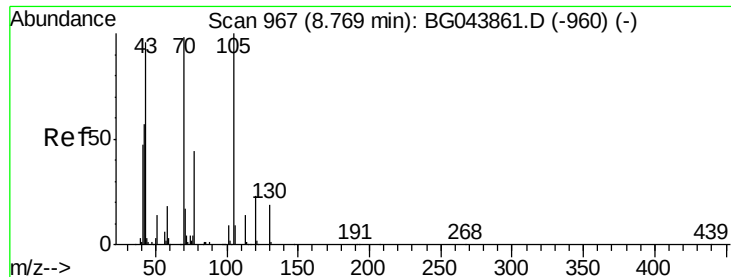
65 28.7 8.1 48.1

66 49.6 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

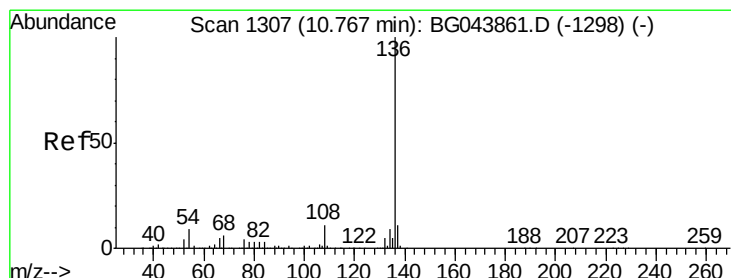
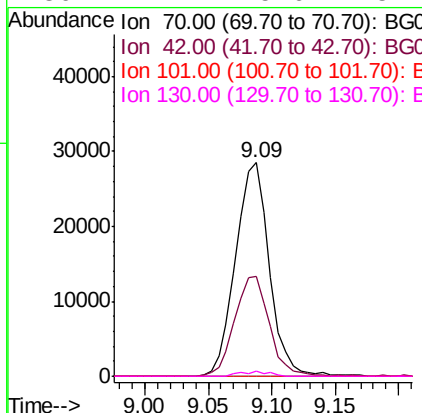
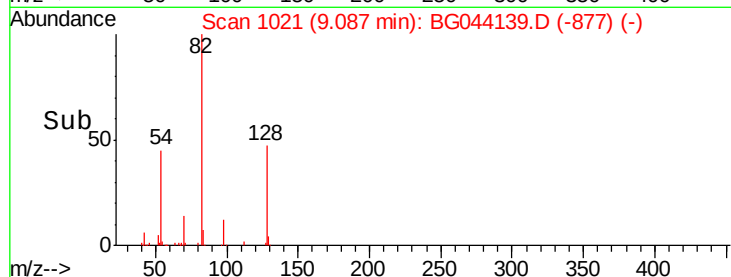
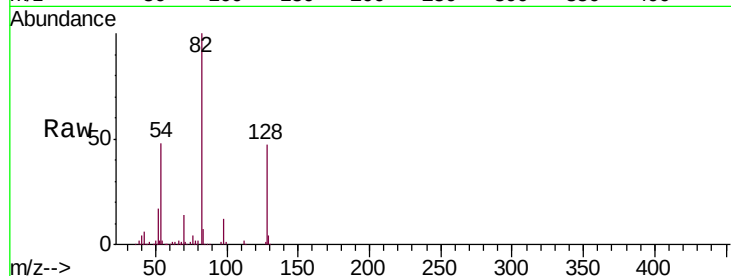




#19
n-Nitroso-di-n-propylamine
Concen: 11.619 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044139.D
Acq: 21 Jan 2020 18:39

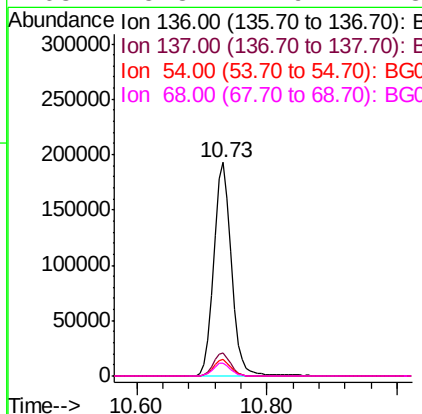
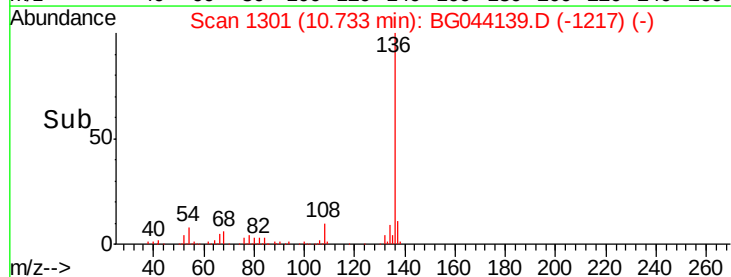
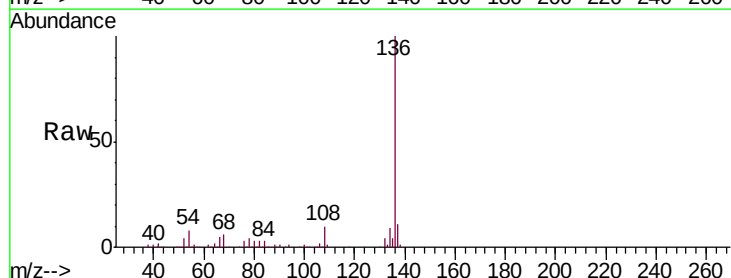
Instrument :
BNA_G
ClientSampleId :
EP-6

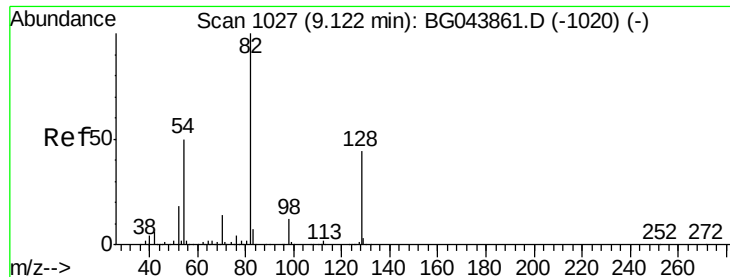
Tgt Ion: 70 Resp: 52598
Ion Ratio Lower Upper
70 100
42 46.5 47.0 70.4#
101 0.0 7.2 10.8#
130 2.2 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044139.D
Acq: 21 Jan 2020 18:39

Tgt Ion: 136 Resp: 362840
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.0 10.4
68 5.8 4.9 7.3

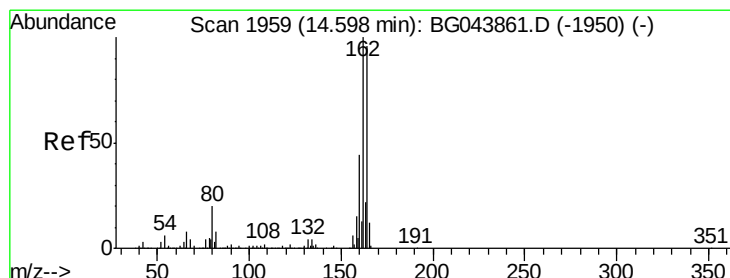
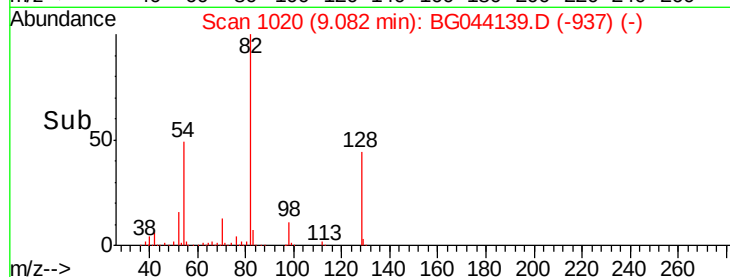
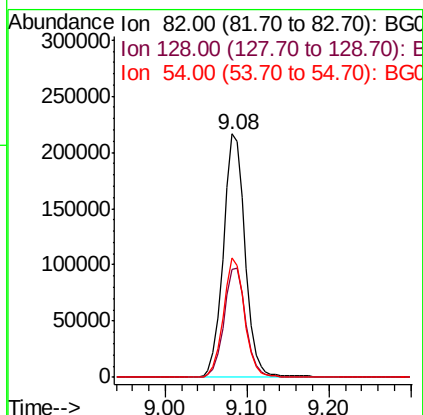
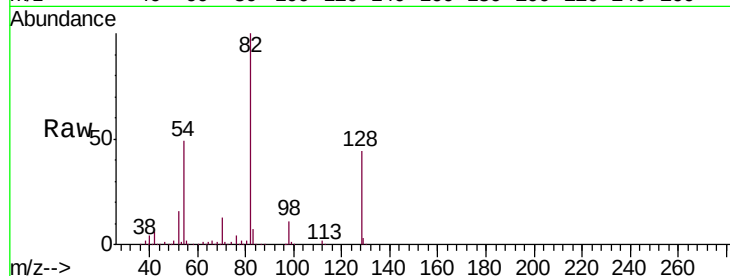




#23
 Nitrobenzene-d5
 Concen: 59.143 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.04 min
 Lab File: BG044139.D
 Acq: 21 Jan 2020 18:39

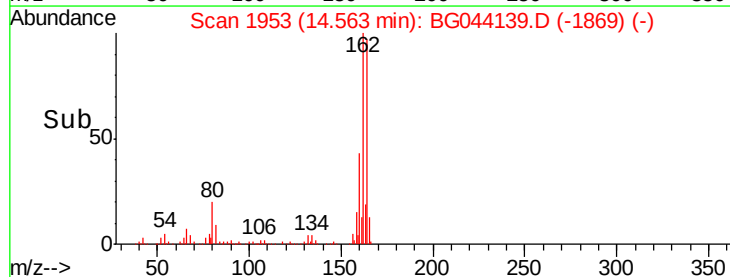
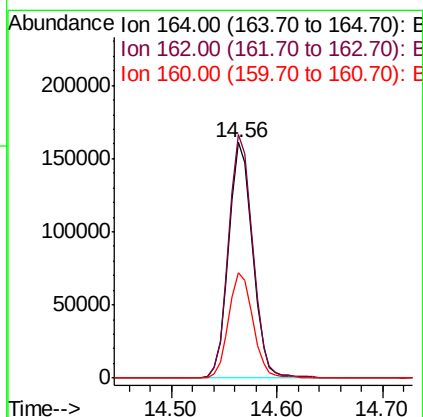
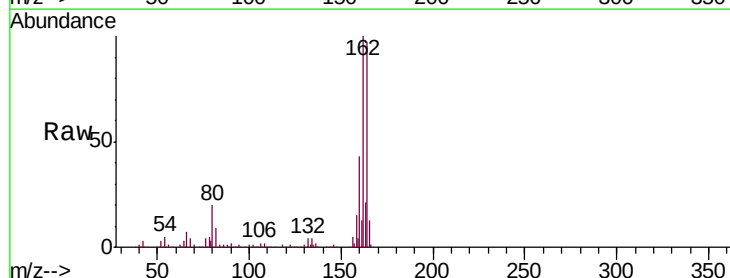
Instrument :
 BNA_G
 ClientSampleId :
 EP-6

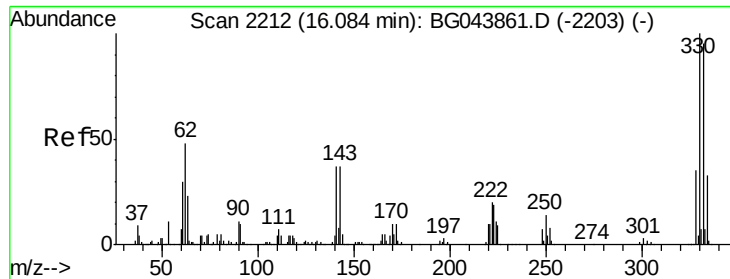
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.1	52.7
54	48.9	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BG044139.D
 Acq: 21 Jan 2020 18:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.0	124.4
160	44.5	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 95.367 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

Instrument :

BNA_G

ClientSampleId :

EP-6

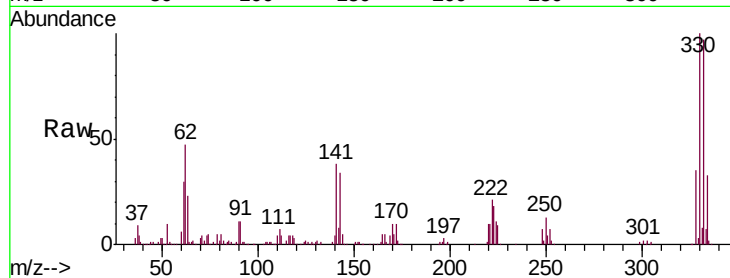
Tgt Ion:330 Resp: 252530

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

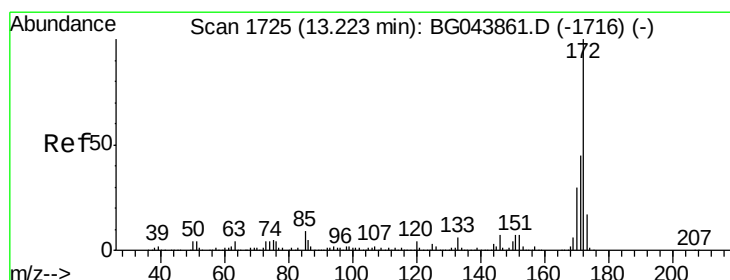
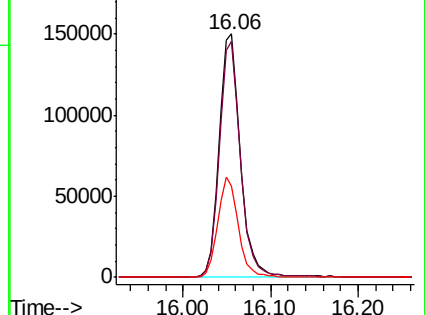
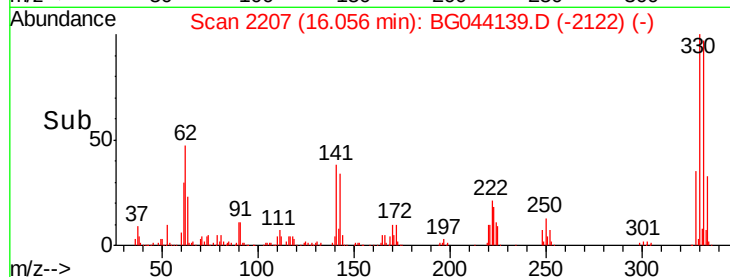
141 40.1 33.1 49.7



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: 71.517 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

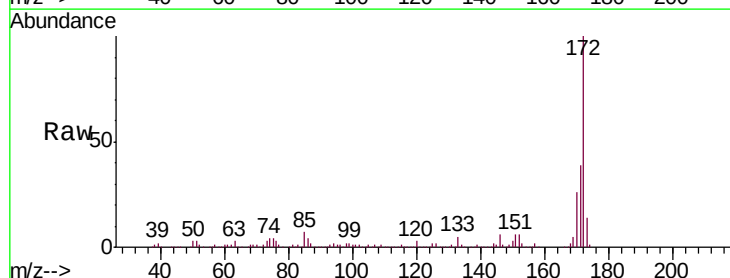
Tgt Ion:172 Resp: 998829

Ion Ratio Lower Upper

172 100

171 38.6 35.8 53.8

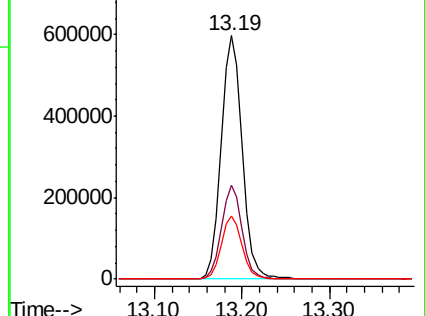
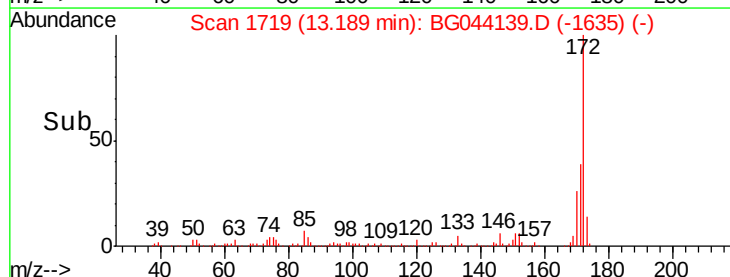
170 25.7 24.2 36.4

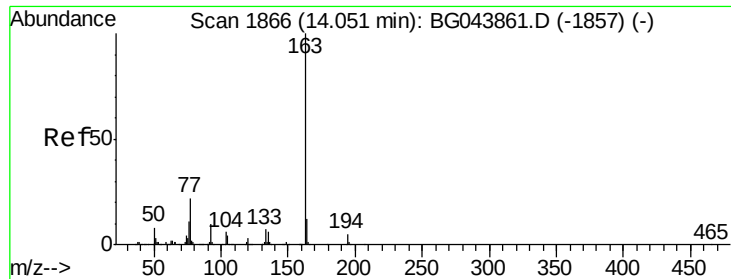


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.313 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

Instrument :

BNA_G

ClientSampleId :

EP-6

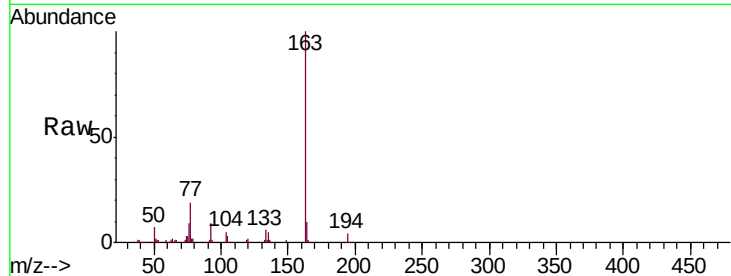
Tgt Ion:163 Resp: 203254

Ion Ratio Lower Upper

163 100

194 3.6 3.7 5.5#

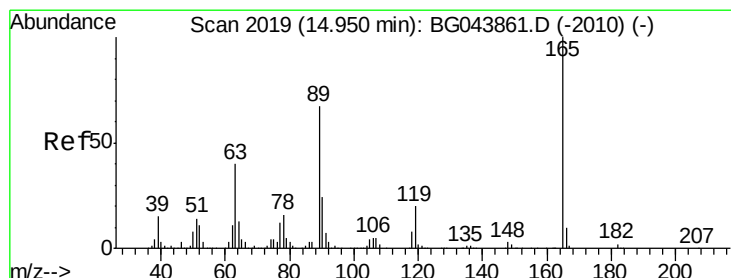
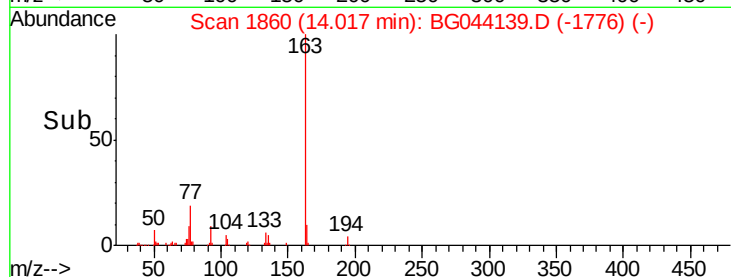
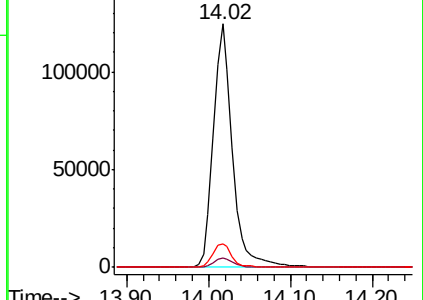
164 9.8 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 5.938 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

Tgt Ion:165 Resp: 32812

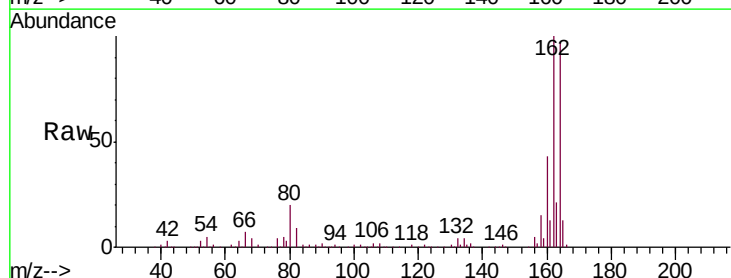
Ion Ratio Lower Upper

165 100

63 0.9 31.9 47.9#

89 1.3 53.8 80.6#

182 0.0 2.0 3.0#

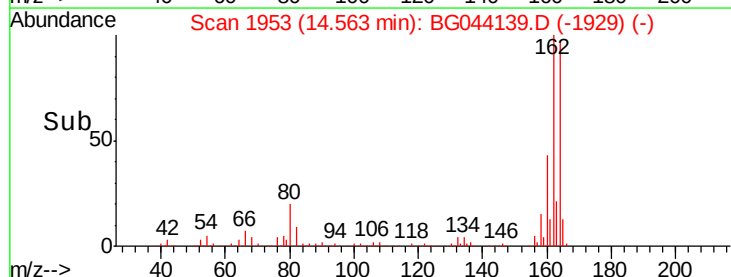
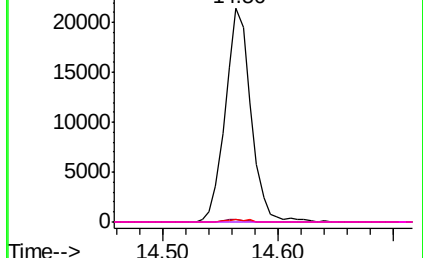


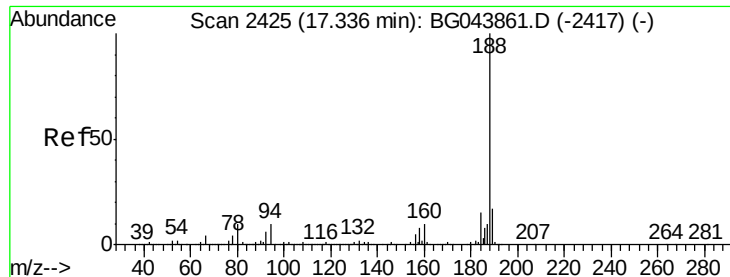
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

Instrument :

BNA_G

ClientSampleId :

EP-6

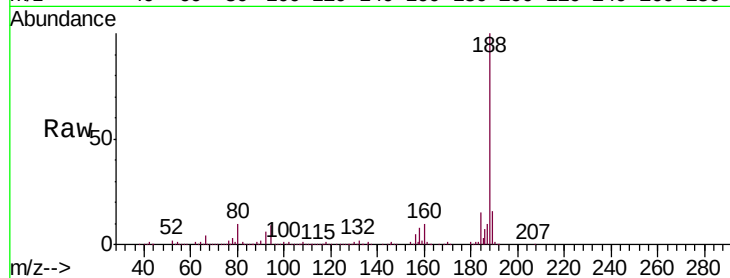
Tgt Ion:188 Resp: 520945

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

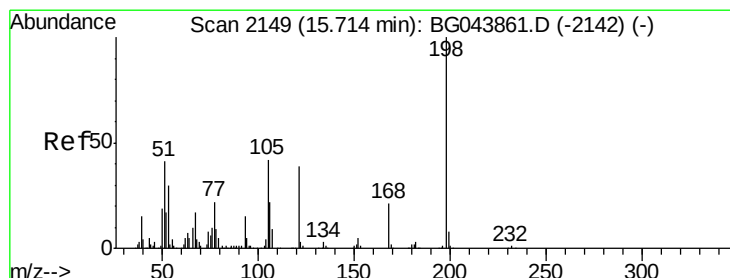
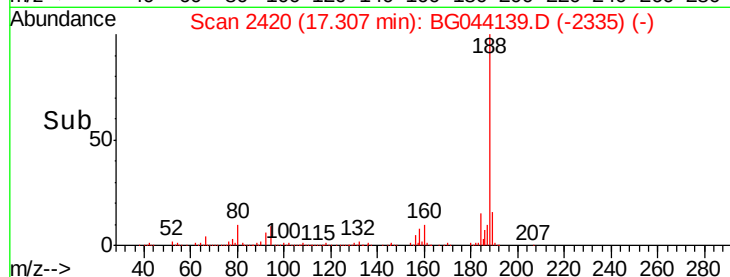
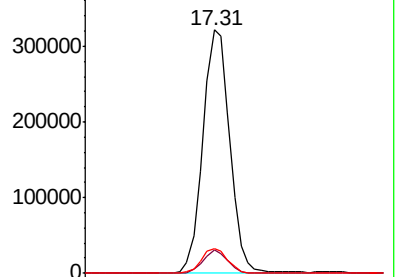
80 10.3 8.2 12.4



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: 4.613 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

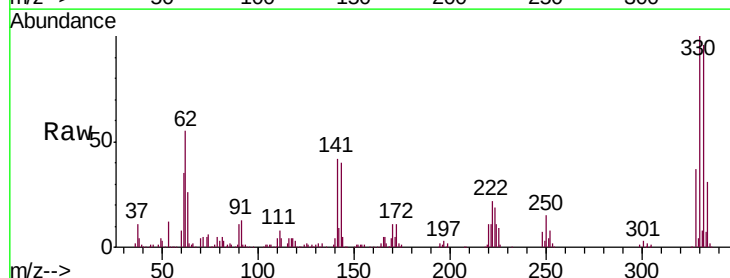
Tgt Ion:198 Resp: 659

Ion Ratio Lower Upper

198 100

51 124.8 22.5 62.5#

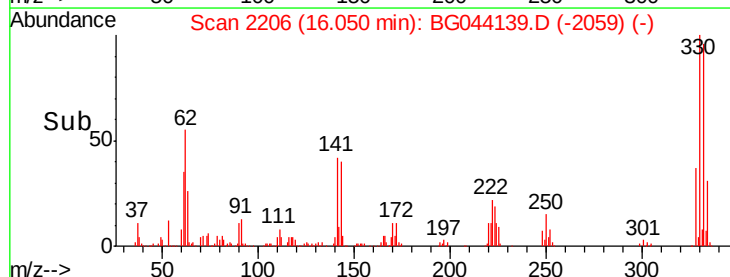
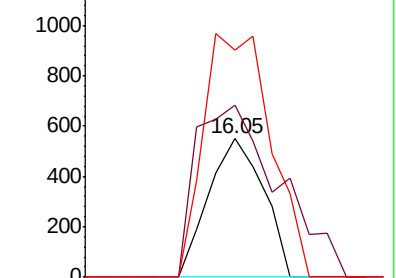
105 164.3 22.3 62.3#

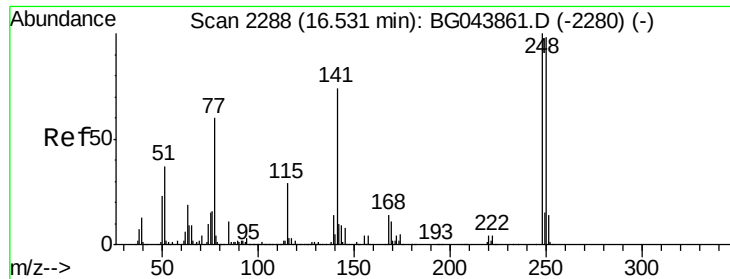


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

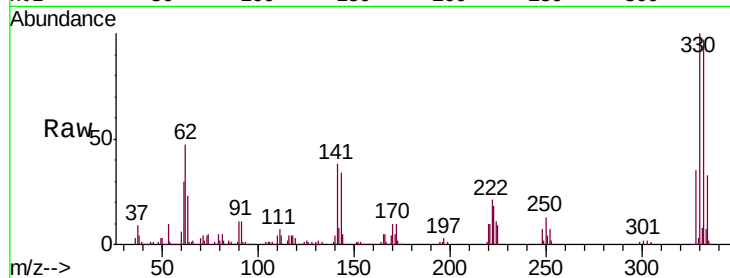




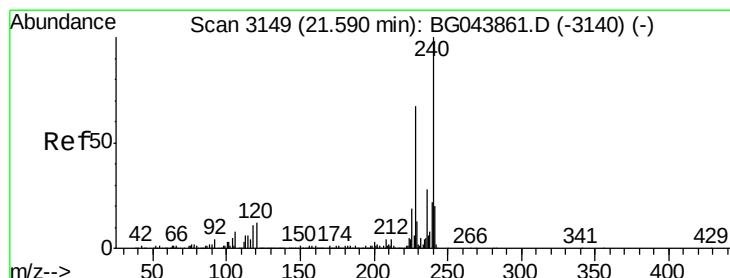
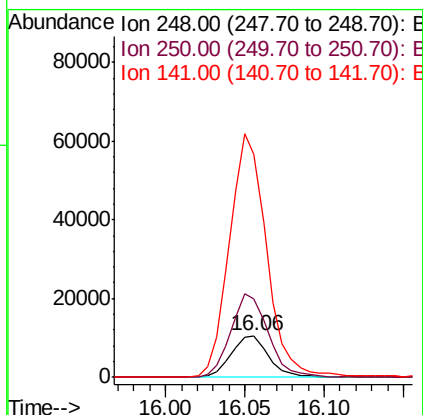
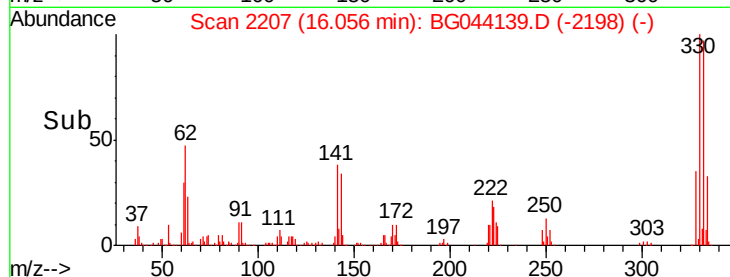
#67
 4-Bromophenyl-phenylether
 Concen: 2.936 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044139.D
 Acq: 21 Jan 2020 18:39

Instrument :
 BNA_G
 ClientSampleId :
 EP-6

Tgt Ion:248 Resp: 17200
 Ion Ratio Lower Upper
 248 100
 250 189.9 78.2 117.2#
 141 535.6 59.3 88.9#

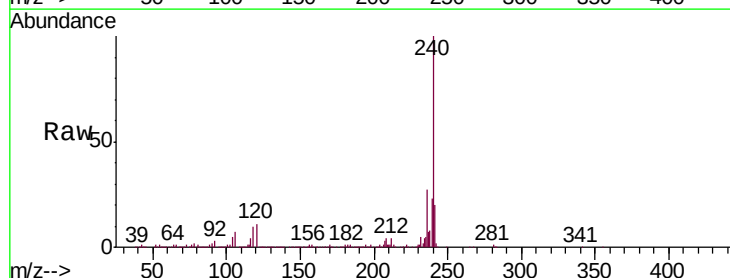


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

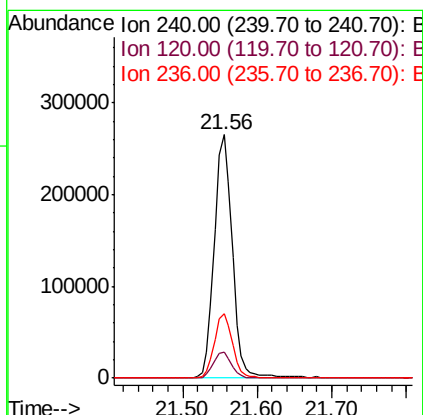
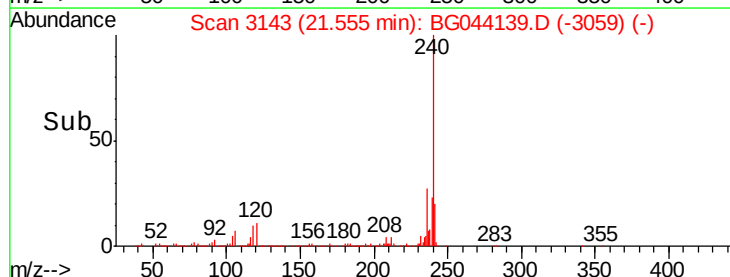


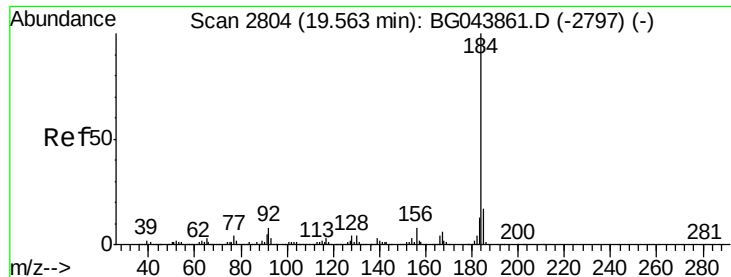
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044139.D
 Acq: 21 Jan 2020 18:39

Tgt Ion:240 Resp: 445861
 Ion Ratio Lower Upper
 240 100
 120 10.8 9.6 14.4
 236 26.7 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: 2.075 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

Instrument :

BNA_G

ClientSampleId :

EP-6

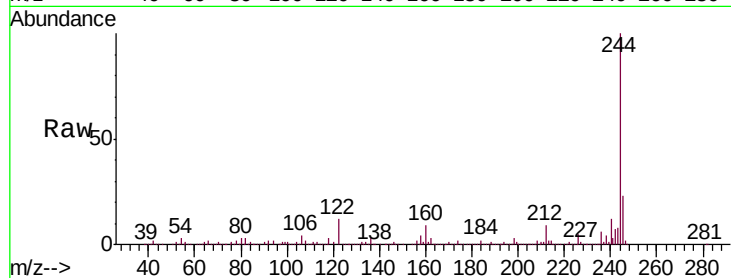
Tgt Ion:184 Resp: 23250

Ion Ratio Lower Upper

184 100

185 15.9 13.4 20.0

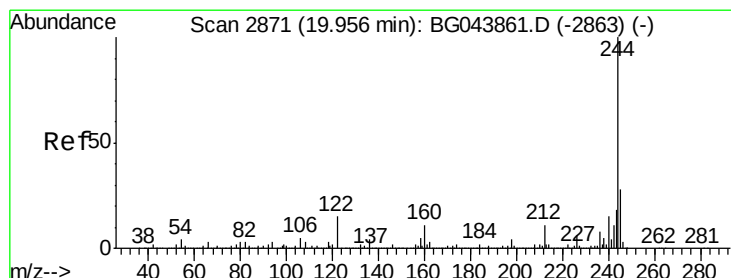
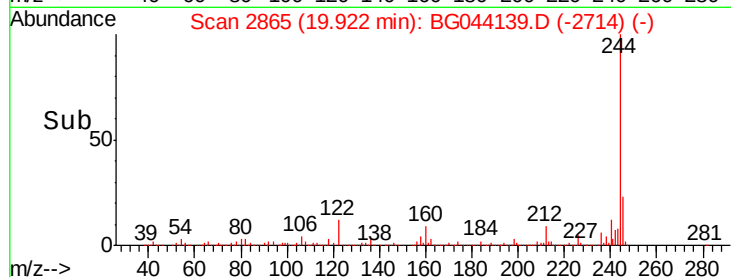
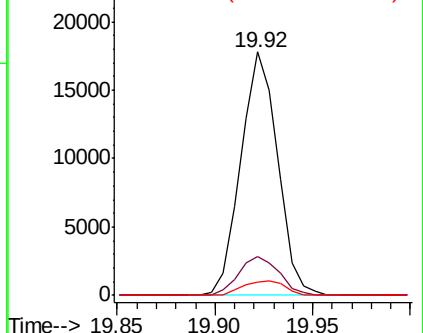
183 5.6 10.6 15.8#



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: 76.670 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044139.D

Acq: 21 Jan 2020 18:39

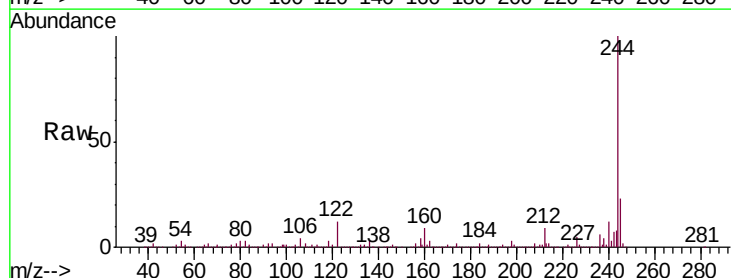
Tgt Ion:244 Resp: 1456072

Ion Ratio Lower Upper

244 100

212 8.5 8.6 13.0#

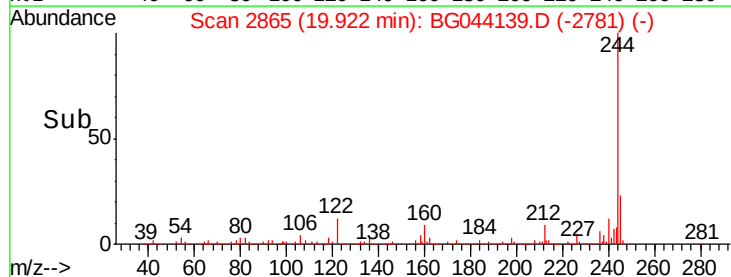
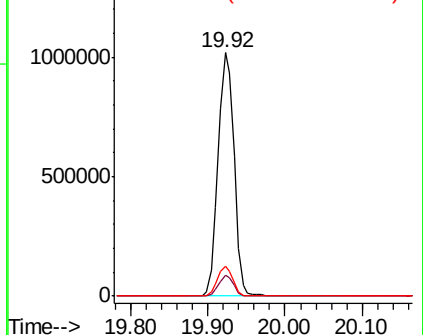
122 12.4 11.9 17.9

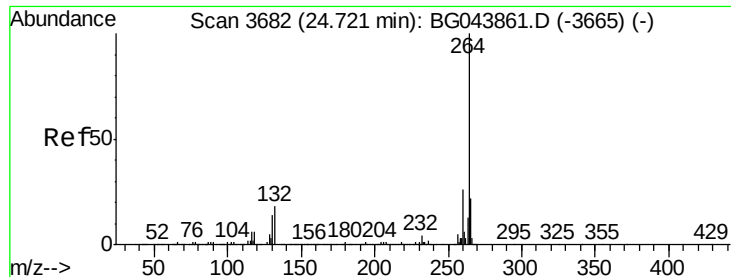


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3671
Delta R.T. -0.06 min
Lab File: BG044139.D
Acq: 21 Jan 2020 18:39

Instrument :
BNA_G
ClientSampleId :
EP-6

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.4	30.6
265	22.6	17.4	26.2

