

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044396.D
 Acq On : 11 Feb 2020 19:53
 Operator : CG/JU
 Sample : L1456-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FM-5213

Quant Time: Feb 12 03:07:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

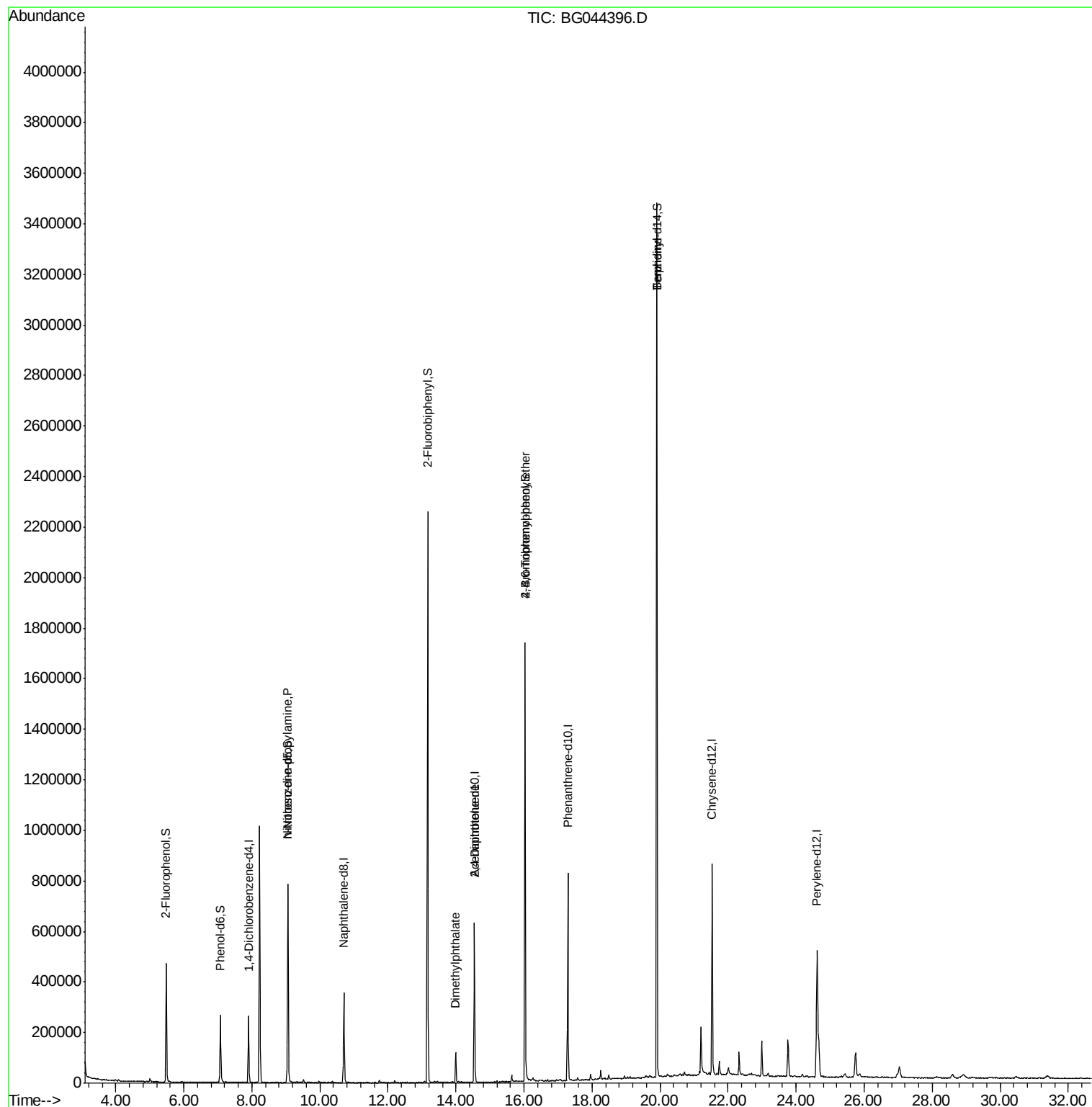
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	77478	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	335681	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	228350	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	517039	20.00	ng	0.00
76) Chrysene-d12	21.53	240	495750	20.00	ng	0.00
87) Perylene-d12	24.62	264	518334	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	238640	54.36	ng	0.00
7) Phenol-d6	7.07	99	183451	31.12	ng	0.00
23) Nitrobenzene-d5	9.06	82	510865	85.92	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	357647	133.42	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1200452	88.03	ng	0.00
79) Terphenyl-d14	19.91	244	1715065	71.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	66440	16.911	ng	Qvalue 76
50) Dimethylphthalate	14.00	163	91324	5.564	ng	99
57) 2,4-Dinitrotoluene	14.54	165	29306	5.713	ng	# 28
67) 4-Bromophenyl-phenylether	16.03	248	24461	4.342	ng	# 1
77) Benzidine	19.90	184	28951	2.105	ng	# 91

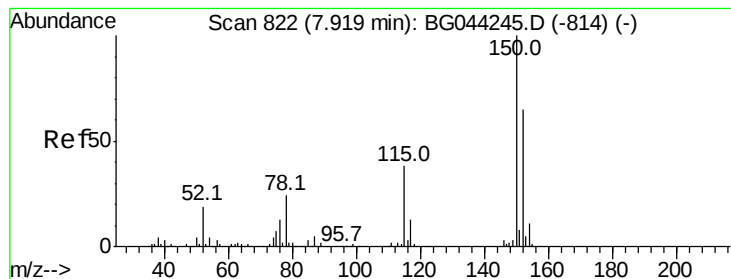
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration



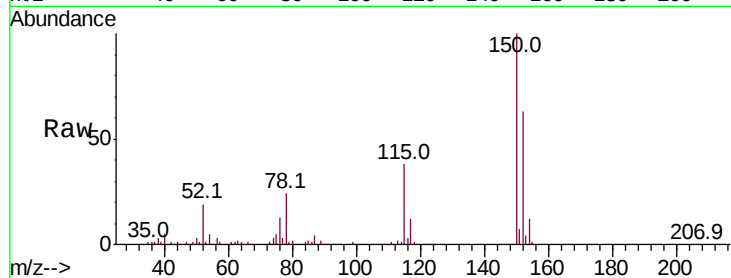


#1

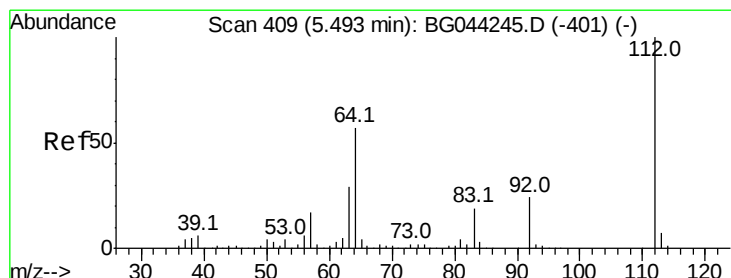
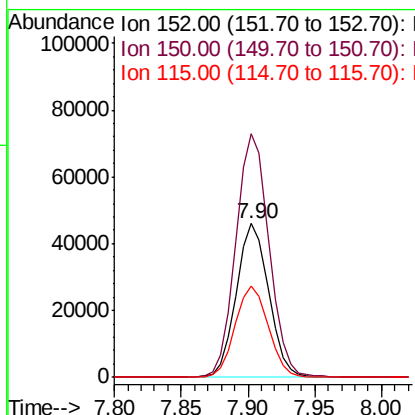
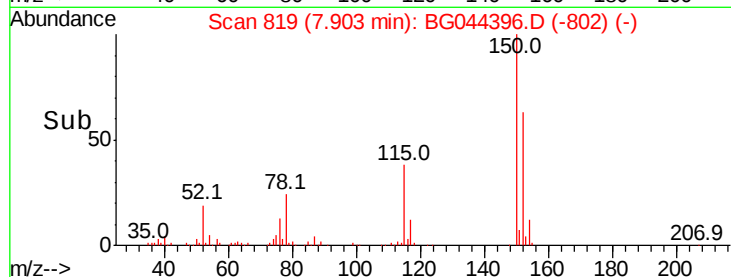
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

Instrument :
BNA_G
ClientSampleId :
FM-5213

Tot Ion:152 Resp: 77478
Ion Ratio Lower Upper
152 100
150 158.6 122.6 183.8
115 59.5 46.0 69.0



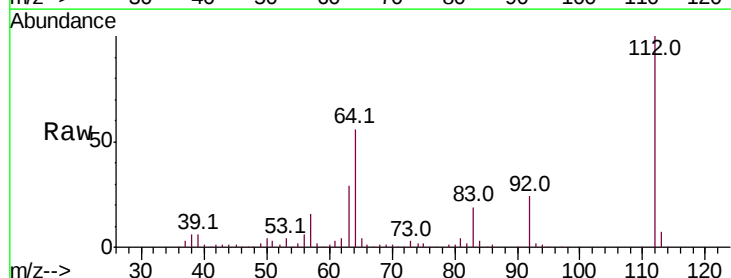
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



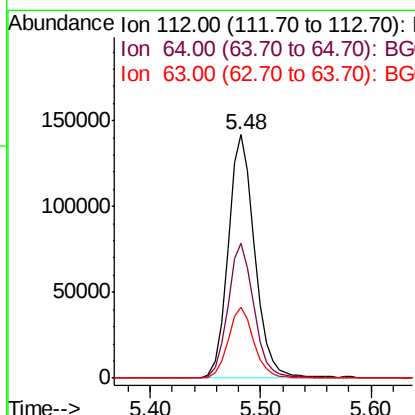
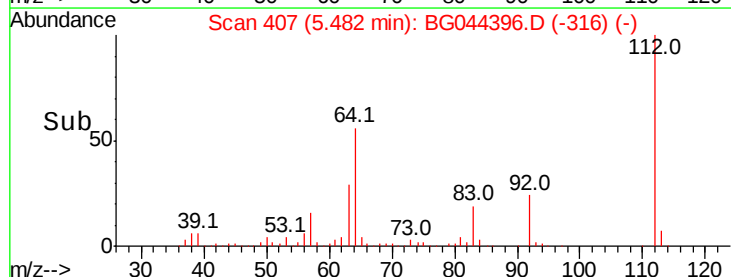
#5

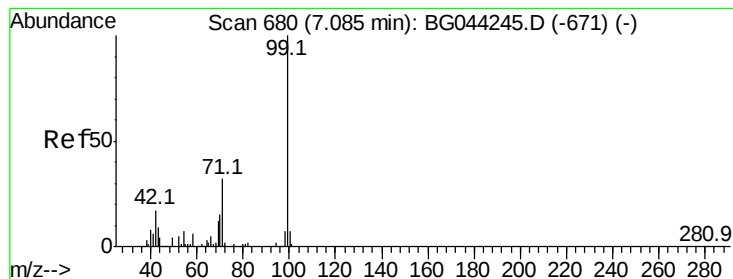
2-Fluorophenol
Concen: 54.359 ng
RT: 5.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

Tgt Ion:112 Resp: 238640
Ion Ratio Lower Upper
112 100
64 55.6 45.4 68.2
63 28.9 22.9 34.3



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: 31.119 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044396.D

Acq: 11 Feb 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FM-5213

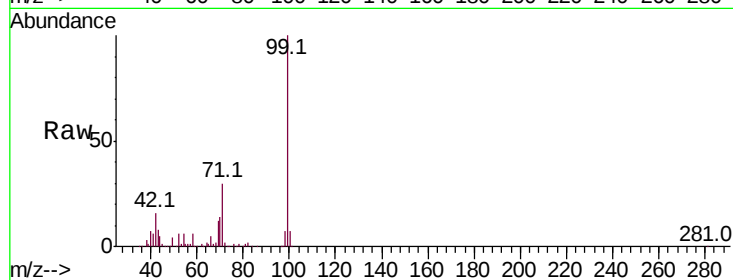
Tot Ion: 99 Resp: 183451

Ion Ratio Lower Upper

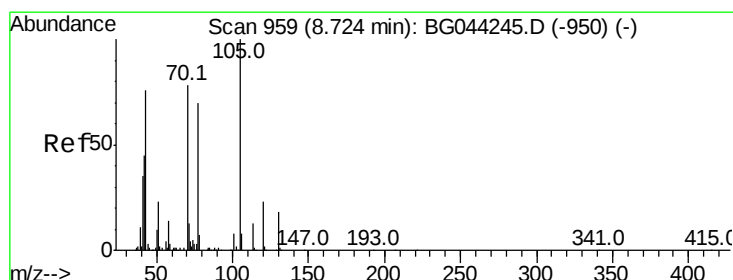
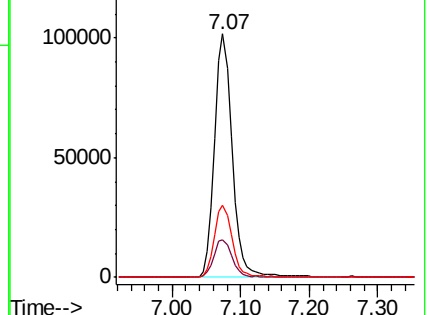
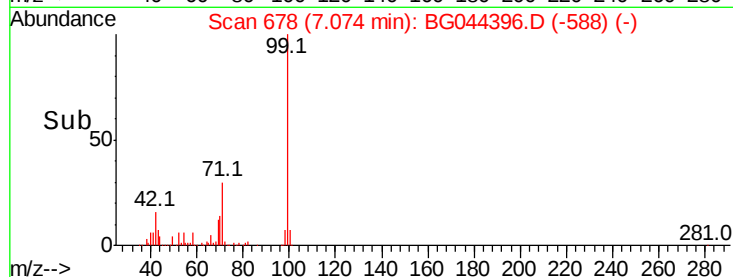
99 100

42 15.7 13.8 20.6

71 29.5 25.5 38.3



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: 16.911 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044396.D

Acq: 11 Feb 2020 19:53

Tgt Ion: 70 Resp: 66440

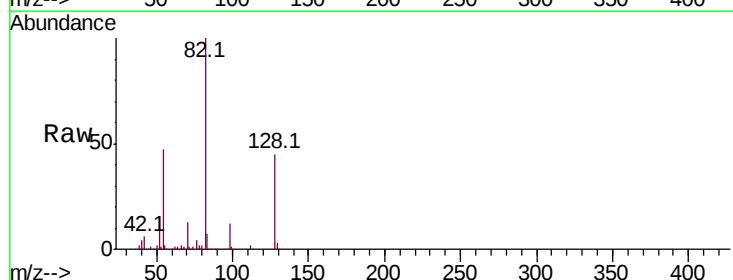
Ion Ratio Lower Upper

70 100

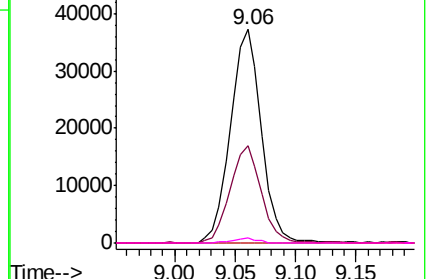
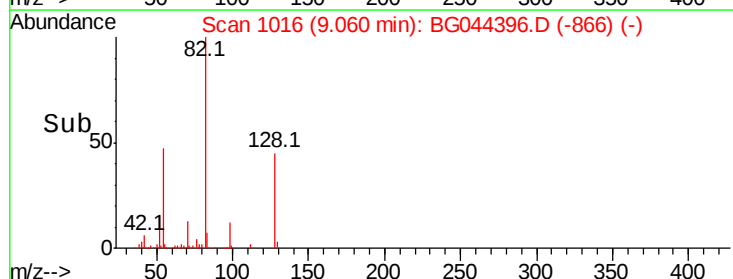
42 45.3 46.2 69.2#

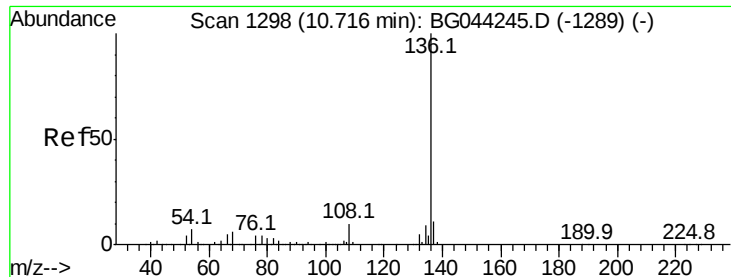
101 0.0 8.4 12.6#

130 2.2 17.8 26.8#



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

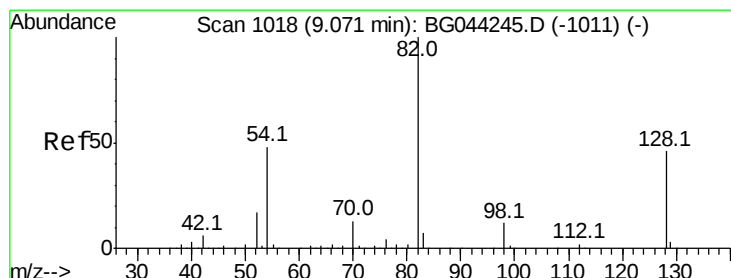
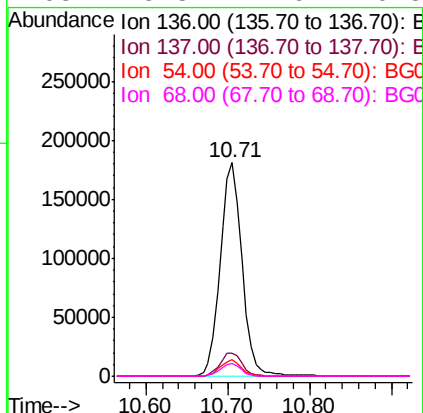
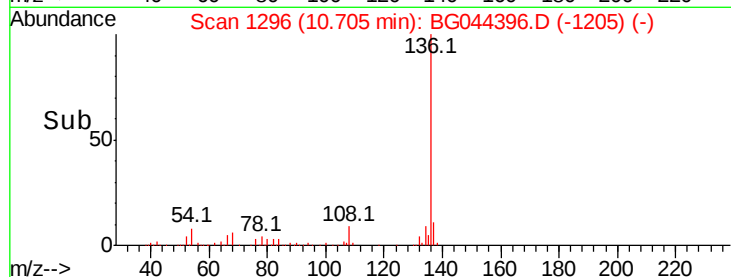
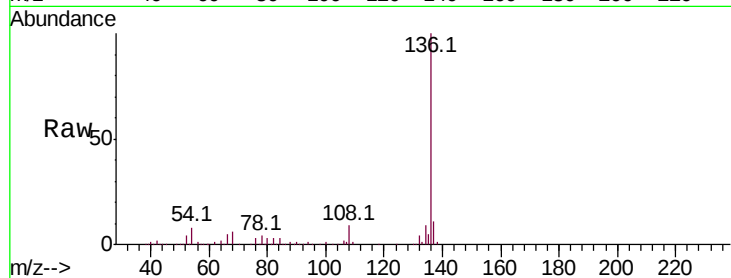




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

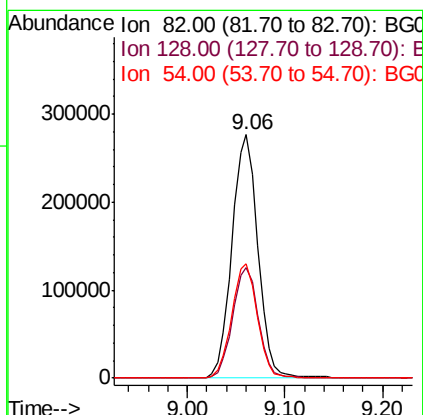
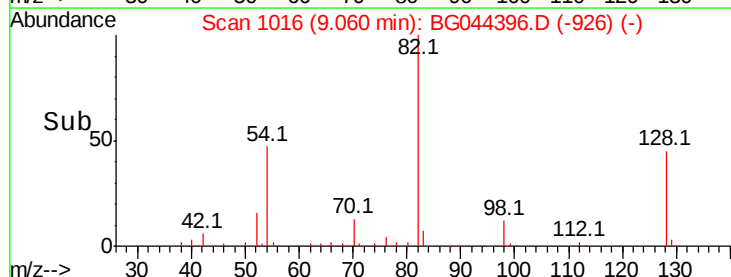
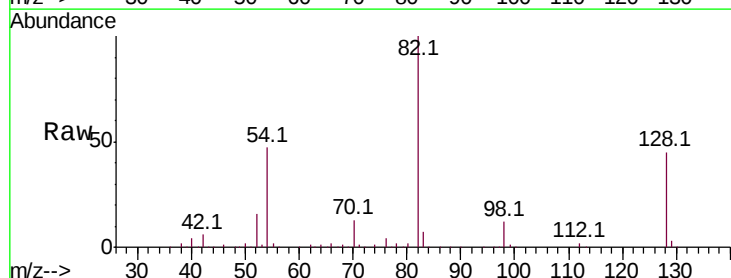
Instrument :
BNA_G
ClientSampleId :
FM-5213

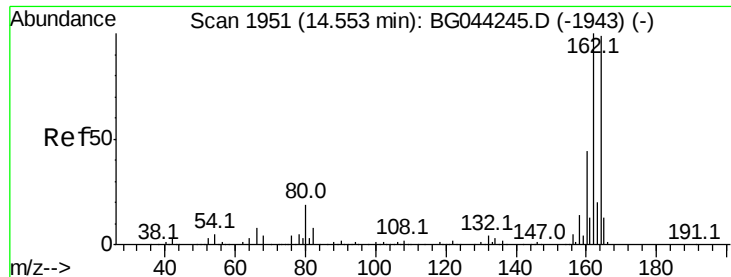
Tot Ion:136	Resp:	335681
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	7.7	5.8 8.8
68	5.8	4.6 6.8



#23
Nitrobenzene-d5
Concen: 85.920 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

Tgt Ion: 82	Resp:	510865
Ion	Ratio	Lower Upper
82	100	
128	45.2	36.5 54.7
54	47.1	38.6 58.0

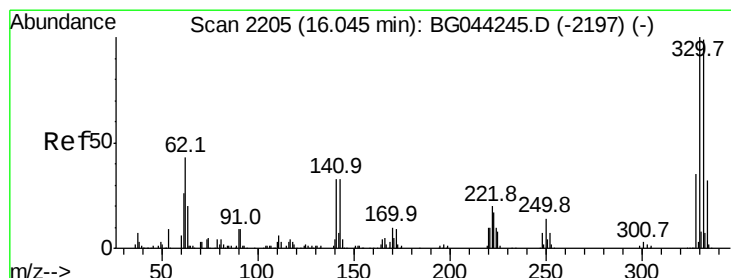
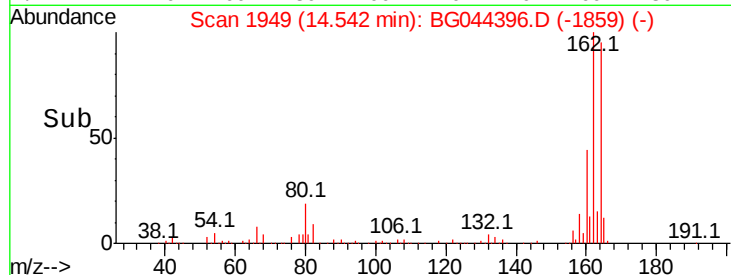
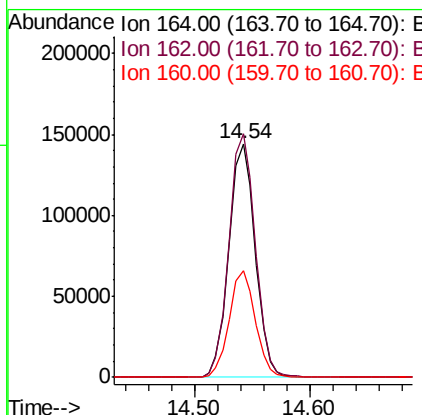
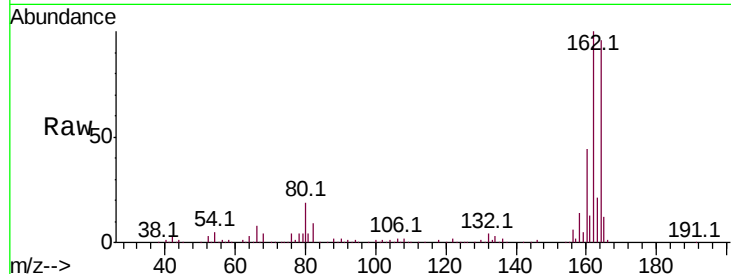




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

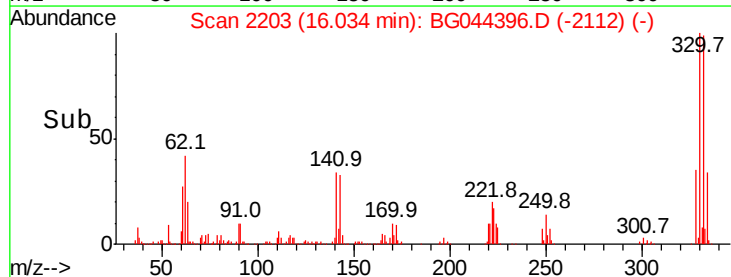
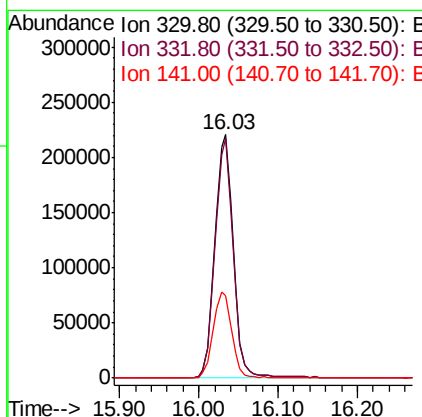
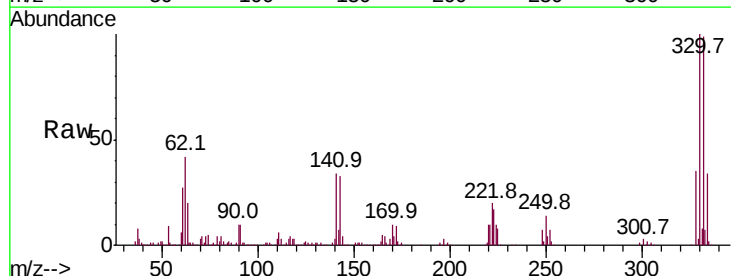
Instrument :
BNA_G
ClientSampleId :
FM-5213

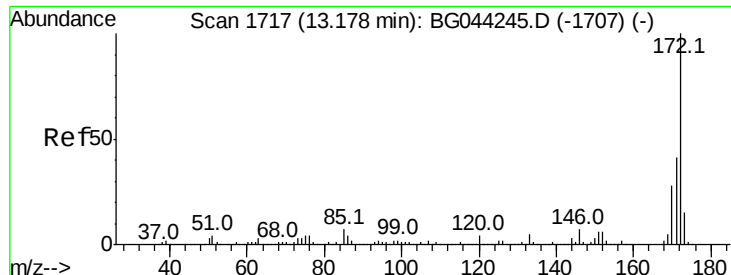
Tot Ion:164 Resp: 228350
Ion Ratio Lower Upper
164 100
162 104.2 80.7 121.1
160 45.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 133.416 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

Tgt Ion:330 Resp: 357647
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 36.1 28.3 42.5

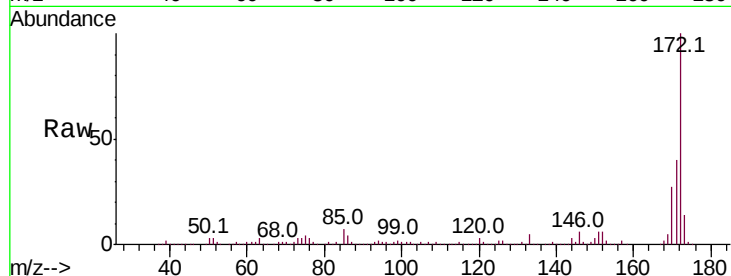




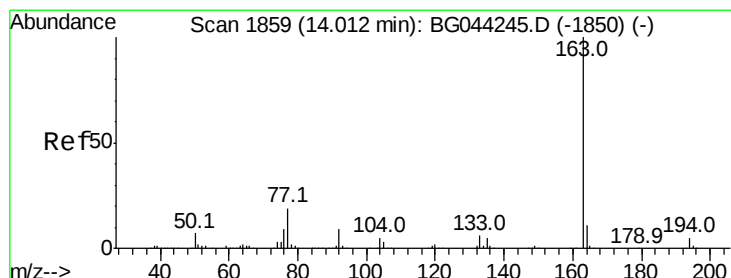
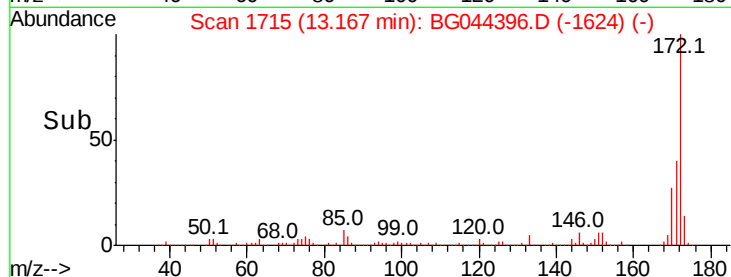
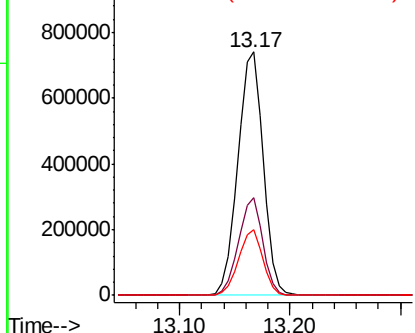
#45
2-Fluorobiphenyl
Concen: 88.032 ng
RT: 13.17 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

Instrument :
BNA_G
ClientSampled :
FM-5213

Tot Ion:172 Resp: 1200452
Ion Ratio Lower Upper
172 100
171 39.9 32.9 49.3
170 26.9 22.0 33.0

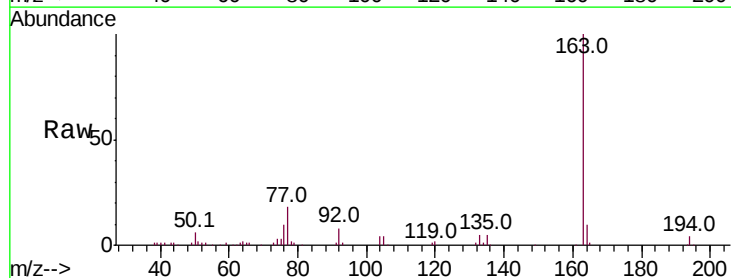


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

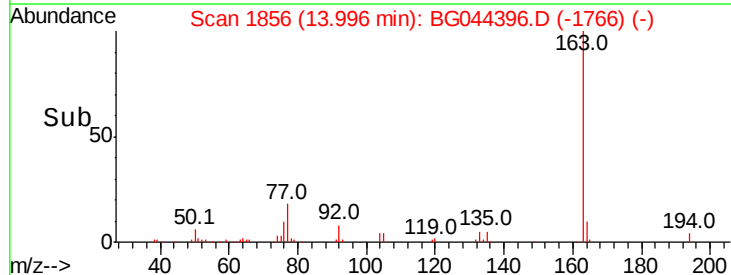
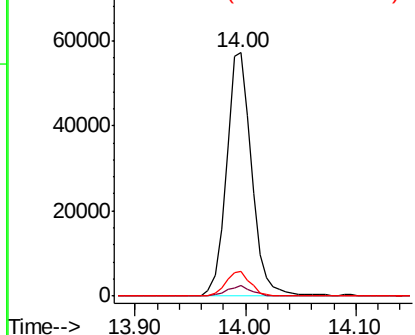


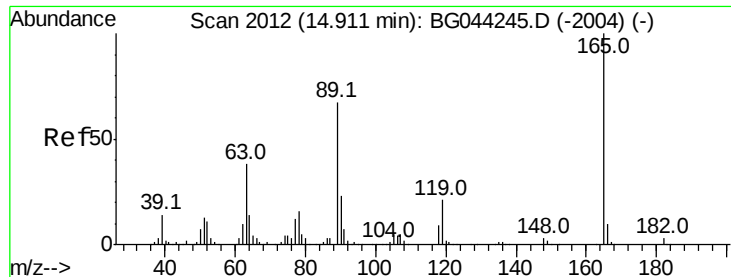
#50
Dimethylphthalate
Concen: 5.564 ng
RT: 14.00 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

Tgt Ion:163 Resp: 91324
Ion Ratio Lower Upper
163 100
194 4.3 3.6 5.4
164 10.3 8.7 13.1



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

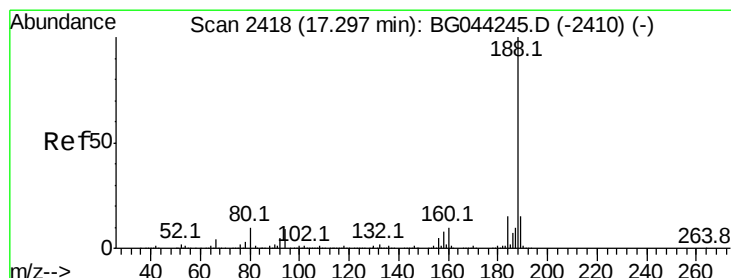
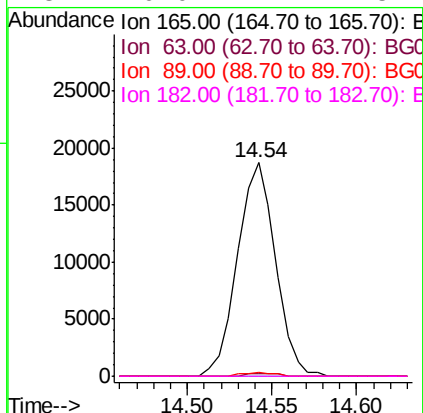
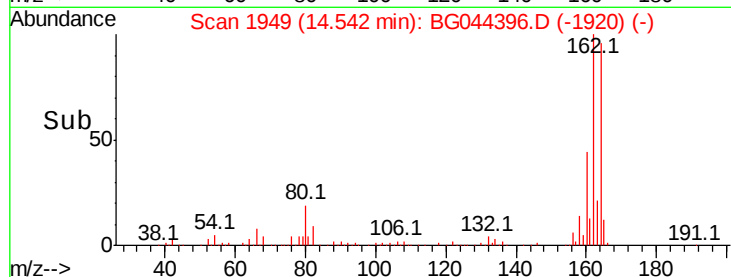
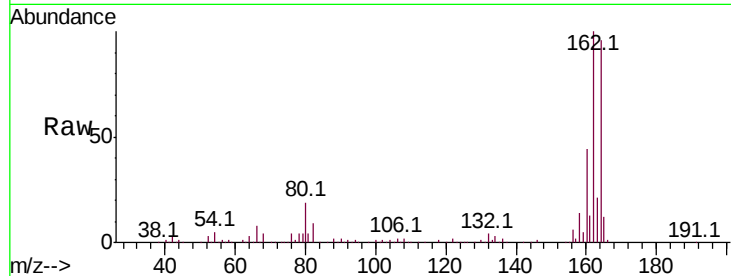




#57
 2,4-Dinitrotoluene
 Concen: 5.713 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG044396.D
 Acq: 11 Feb 2020 19:53

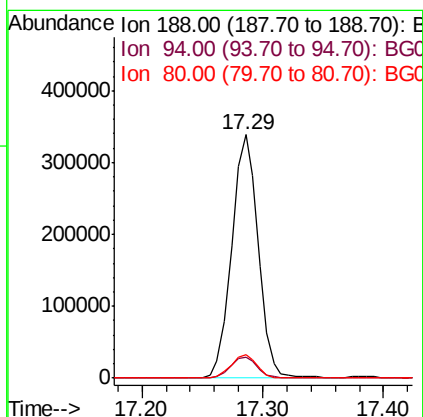
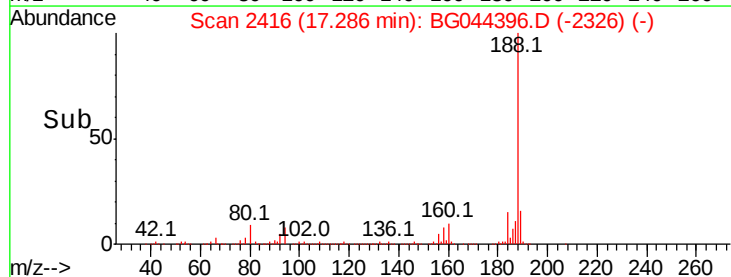
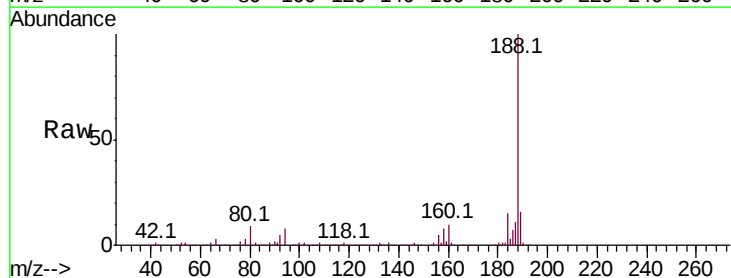
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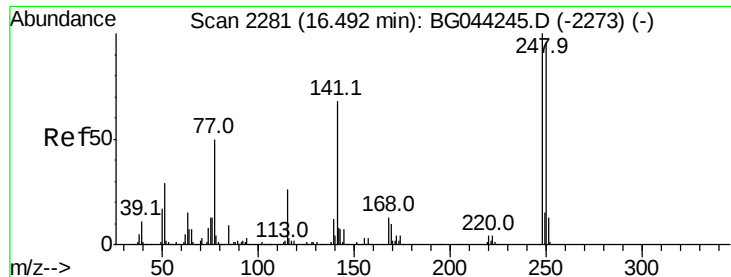
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	30.3	45.5#
89	2.0	53.4	80.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG044396.D
 Acq: 11 Feb 2020 19:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.2
80	9.4	7.7	11.5





#67

4-Bromophenyl-phenylether

Concen: 4.342 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.44 min

Lab File: BG044396.D

Acq: 11 Feb 2020 19:53

Instrument :

BNA_G

ClientSampled :

FM-5213

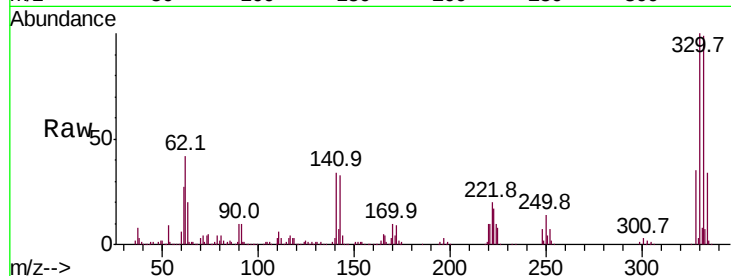
Tot Ion:248 Resp: 24461

Ion Ratio Lower Upper

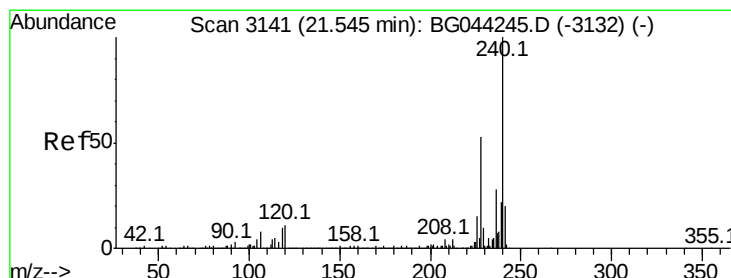
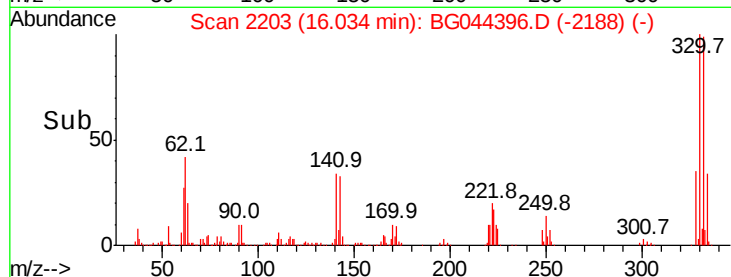
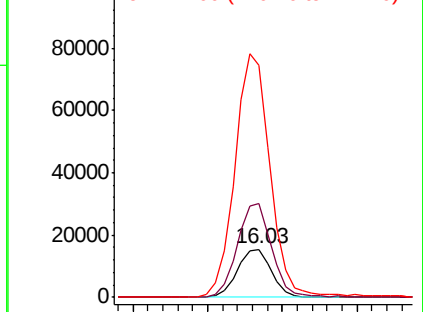
248 100

250 197.0 76.6 114.8#

141 485.0 54.7 82.1#



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: 21.53 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG044396.D

Acq: 11 Feb 2020 19:53

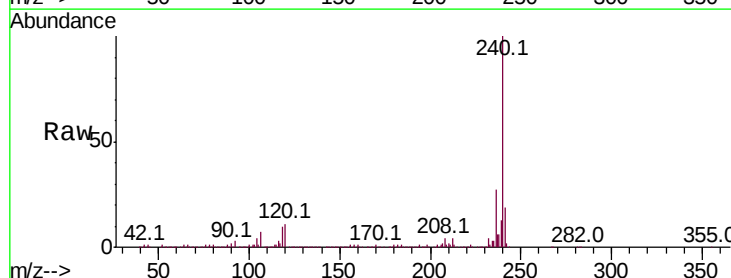
Tgt Ion:240 Resp: 495750

Ion Ratio Lower Upper

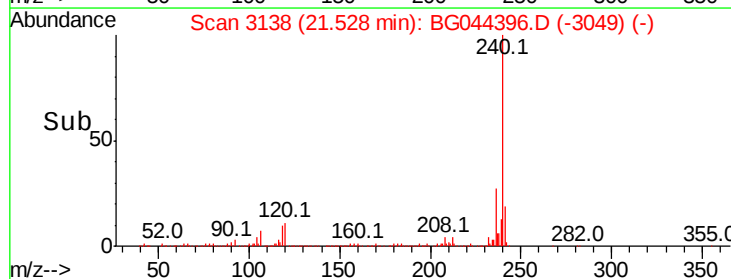
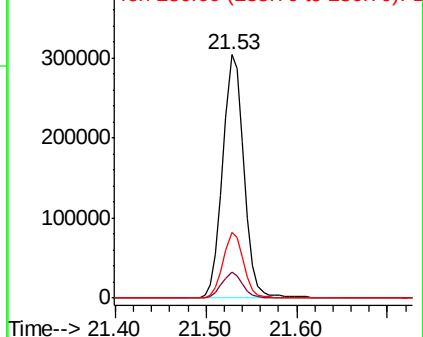
240 100

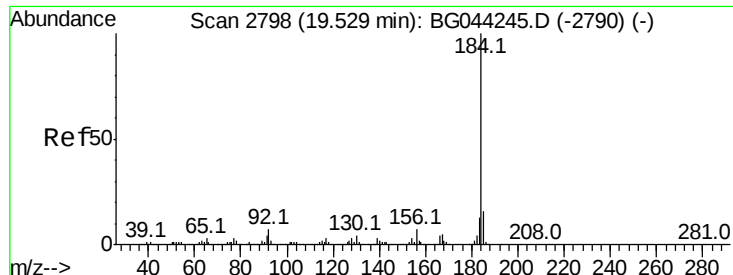
120 10.9 8.4 12.6

236 27.1 22.1 33.1



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: 2.105 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044396.D

Acq: 11 Feb 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FM-5213

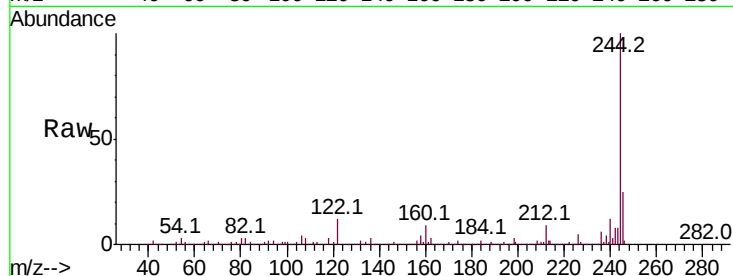
Tot Ion:184 Resp: 28951

Ion Ratio Lower Upper

184 100

185 17.3 12.9 19.3

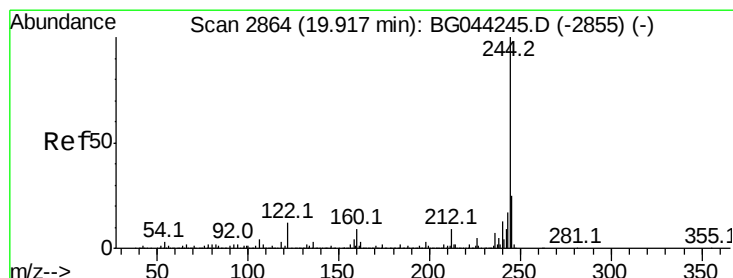
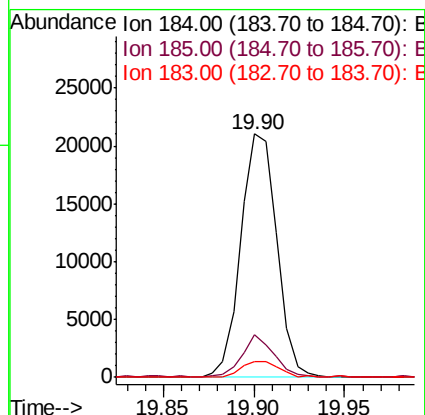
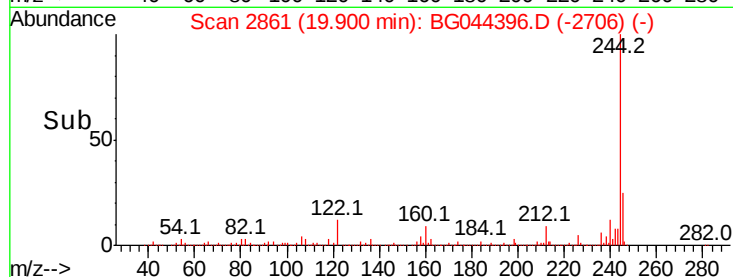
183 6.6 10.8 16.2#



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: 71.158 ng

RT: 19.91 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044396.D

Acq: 11 Feb 2020 19:53

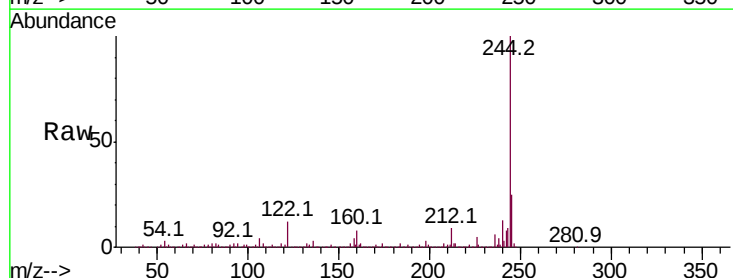
Tgt Ion:244 Resp: 1715065

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.2

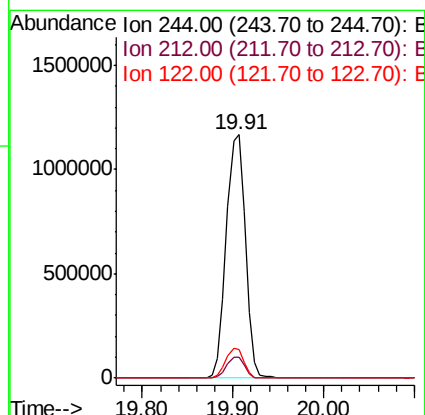
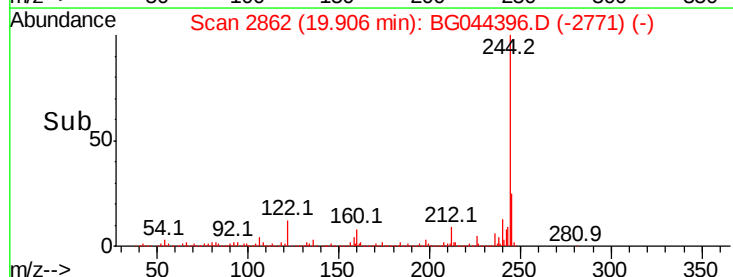
122 11.7 9.8 14.6

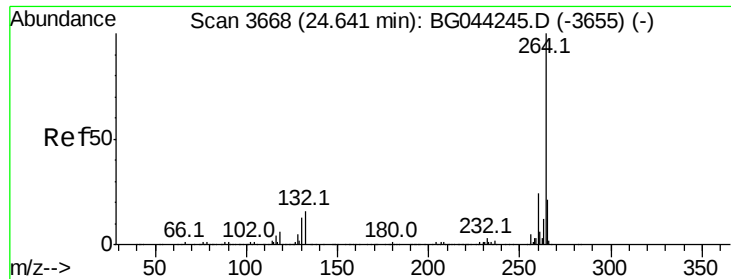


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.62 min Scan# 3664
Delta R.T. -0.00 min
Lab File: BG044396.D
Acq: 11 Feb 2020 19:53

Instrument :
BNA_G
ClientSampleId :
FM-5213

Tot Ion:264 Resp: 518334

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	22.0	16.7	25.1

