

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012117\
 Data File : BG025576.D
 Acq On : 21 Jan 2017 16:44
 Operator : UM/SJ
 Sample : I1329-13
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T1-0-2FT-COMP

Quant Time: Jan 23 02:52:10 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 11:26:22 2017
 Response via : Initial Calibration

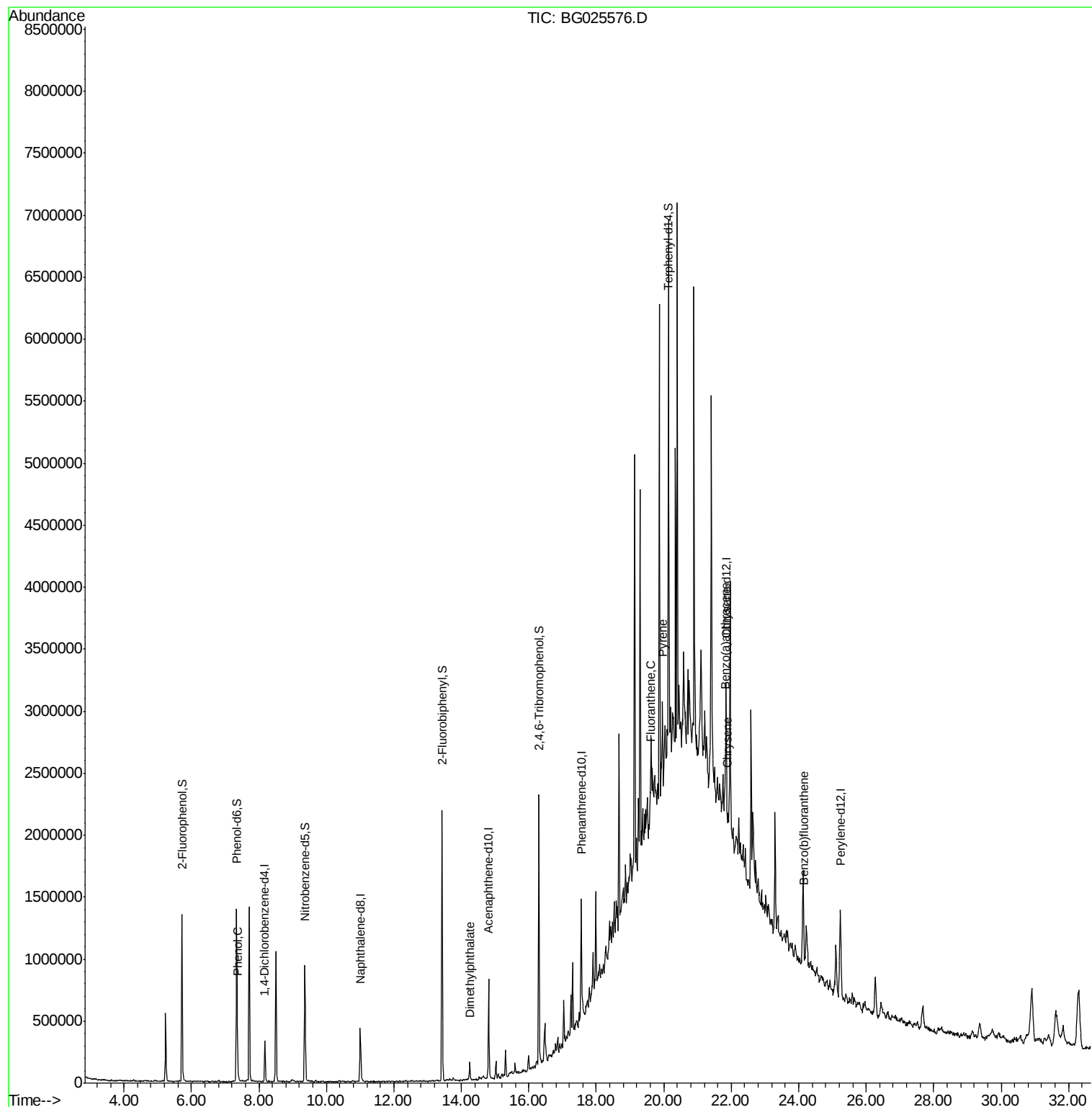
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	86506	20.00	ng	-0.02
21) Naphthalene-d8	11.00	136	363969	20.00	ng	-0.03
38) Acenaphthene-d10	14.81	164	283072	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	573969	20.00	ng	-0.02
75) Chrysene-d12	21.85	240	719553	20.00	ng	-0.02
86) Perylene-d12	25.23	264	748957	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	535241	112.47	ng	-0.02
7) Phenol-d6	7.34	99	765385	114.19	ng	-0.02
23) Nitrobenzene-d5	9.36	82	585342	71.05	ng	-0.02
41) 2,4,6-Tribromophenol	16.30	330	440449	96.65	ng	-0.02
44) 2-Fluorobiphenyl	13.43	172	1069157	61.15	ng	-0.02
78) Terphenyl-d14	20.14	244	1435541	52.90	ng	-0.02
Target Compounds						
10) Phenol	7.36	94	42083	5.66	ng	# 81
49) Dimethylphthalate	14.25	163	97872	4.74	ng	# 95
74) Fluoranthene	19.60	202	133564	3.42	ng	# 93
77) Pyrene	19.96	202	134005	3.56	ng	# 85
80) Benzo(a)anthracene	21.83	228	99609	2.48	ng	# 94
82) Chrysene	21.90	228	115285	3.00	ng	# 89
87) Benzo(b)fluoranthene	24.16	252	89275	2.18	ng	# 79

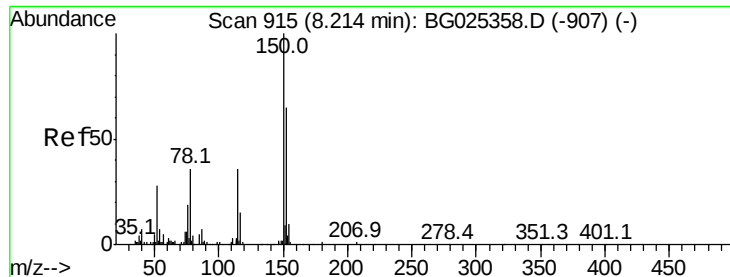
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 909

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

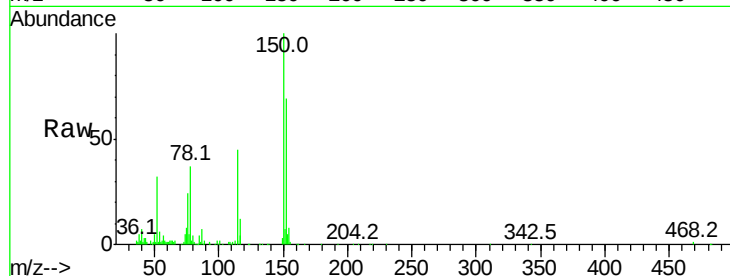
Tot Ion:152 Resp: 86506

Ion Ratio Lower Upper

152 100

150 144.2 114.0 171.0

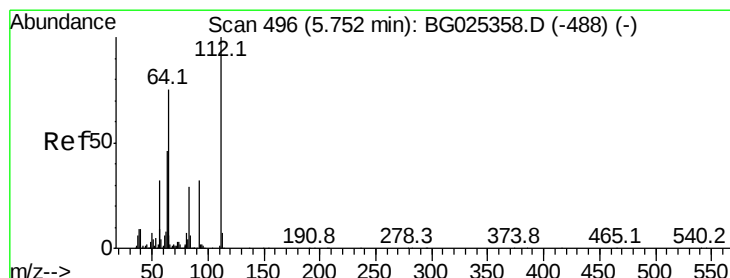
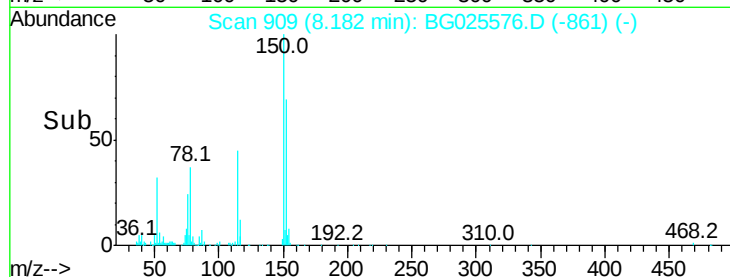
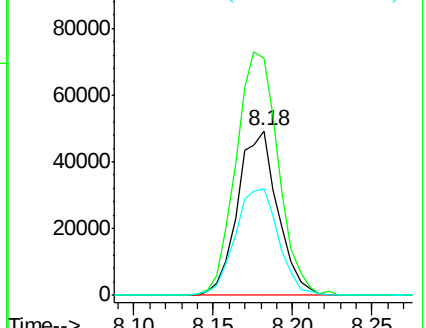
115 64.7 48.1 72.1



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: 112.47 ng

RT: 5.72 min Scan# 490

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

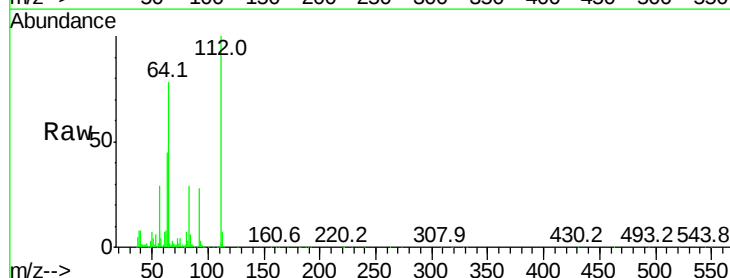
Tgt Ion:112 Resp: 535241

Ion Ratio Lower Upper

112 100

64 77.7 61.8 92.6

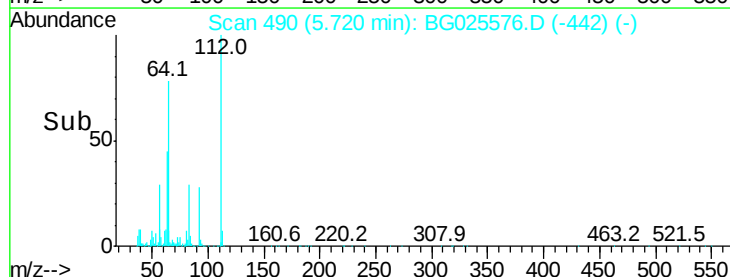
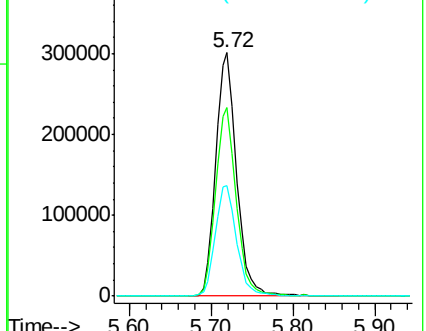
63 45.4 37.2 55.8

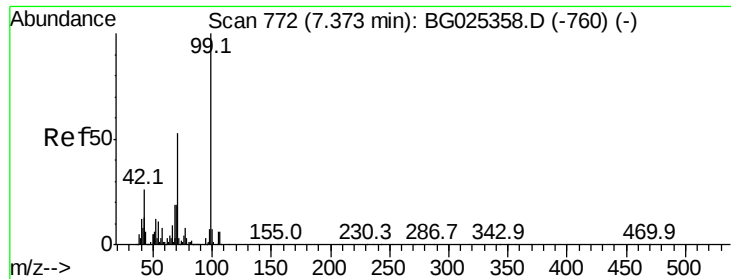


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 114.19 ng

RT: 7.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

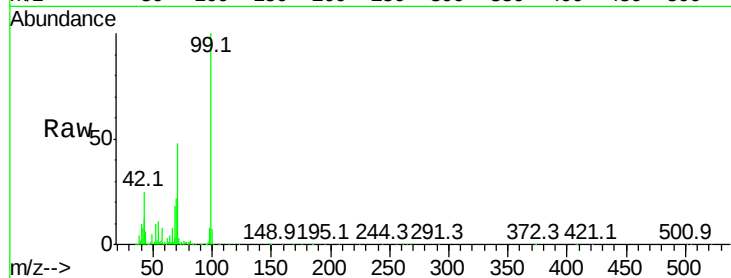
Tot Ion: 99 Resp: 765385

Ion Ratio Lower Upper

99 100

42 24.6 20.5 30.7

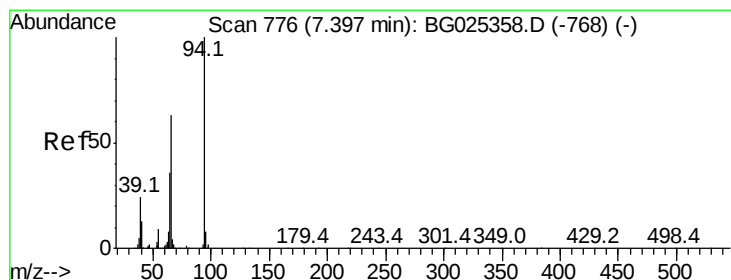
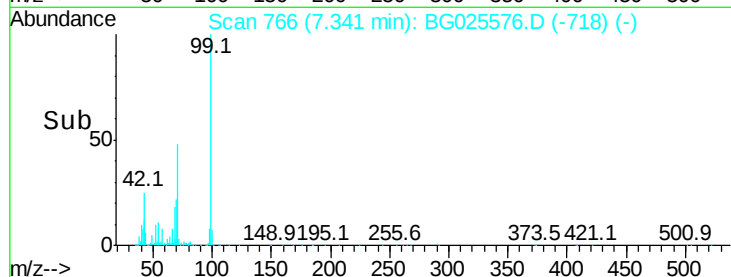
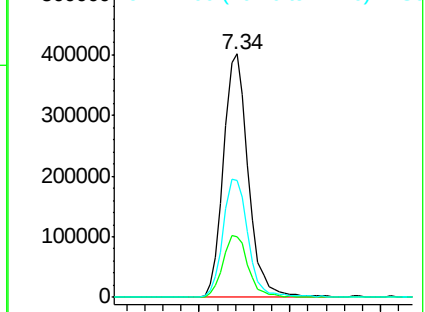
71 47.9 37.6 56.4



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: 5.66 ng

RT: 7.36 min Scan# 770

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

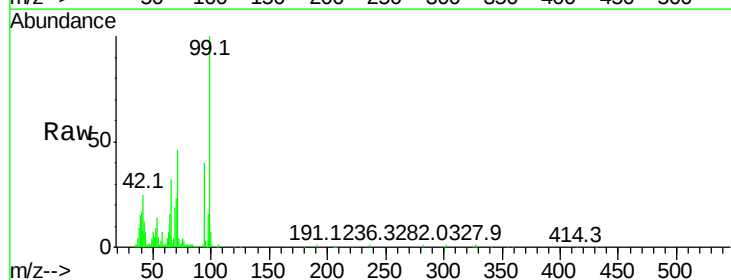
Tgt Ion: 94 Resp: 42083

Ion Ratio Lower Upper

94 100

65 38.9 20.6 60.6

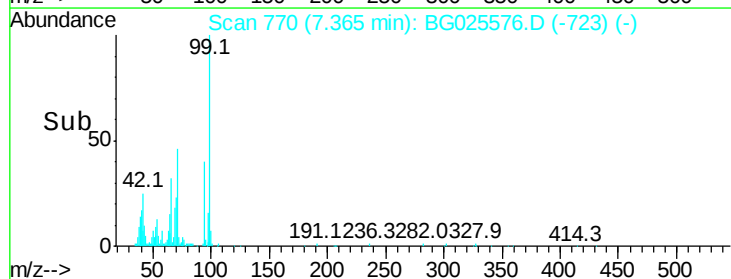
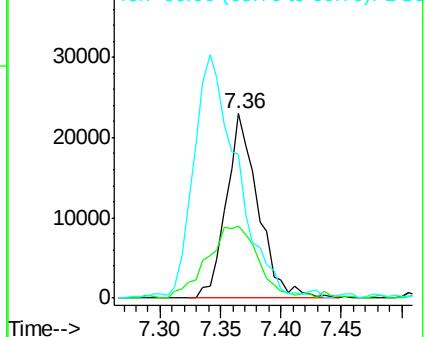
66 78.3 35.5 75.5#

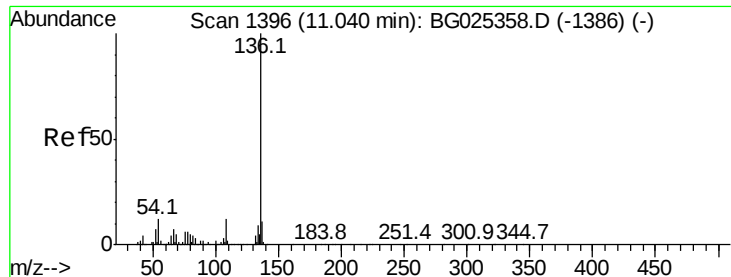


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 1389

Delta R.T. -0.03 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

Tot Ion:136 Resp: 363969

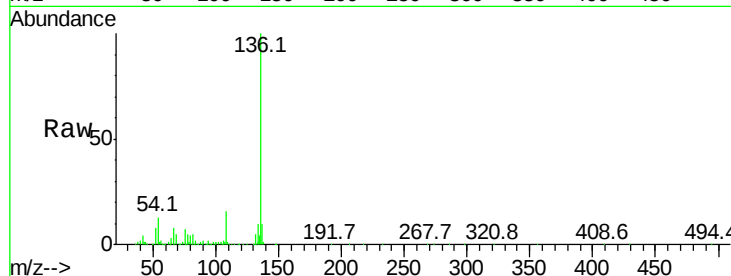
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.9	13.3
54	12.5	9.3	13.9
68	4.9	5.1	7.7

136 100

137 10.0 8.9 13.3

54 12.5 9.3 13.9

68 4.9 5.1 7.7



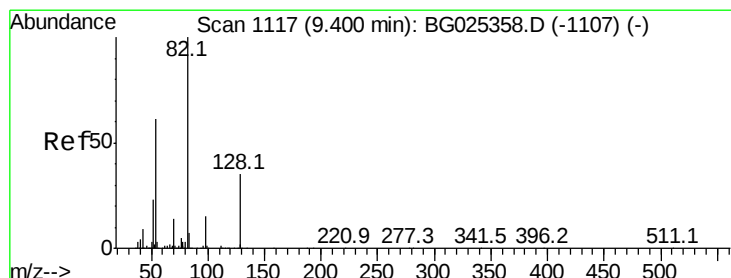
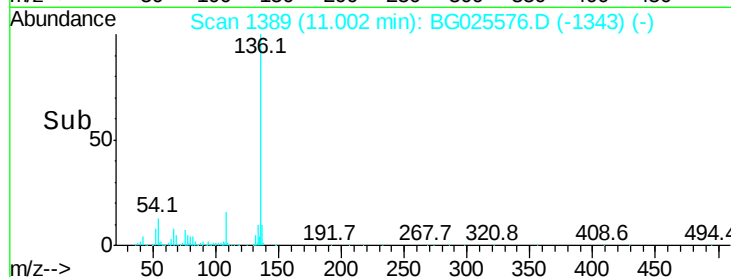
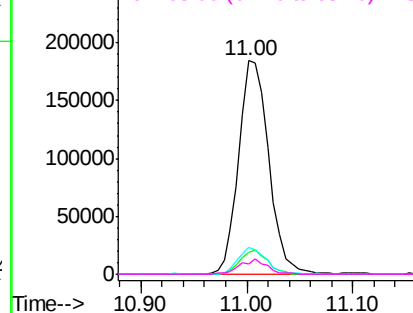
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 71.05 ng

RT: 9.36 min Scan# 1110

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

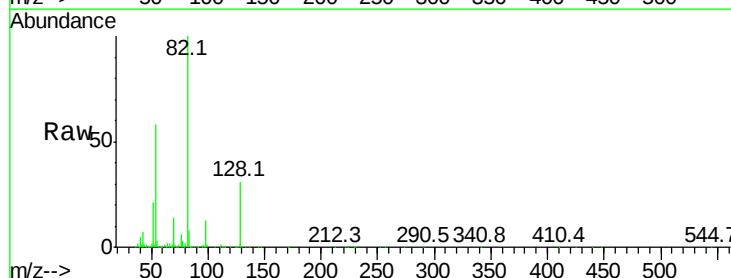
Tgt Ion: 82 Resp: 585342

Ion	Ratio	Lower	Upper
82	100		
128	31.4	26.4	39.6
54	57.8	49.4	74.2

82 100

128 31.4 26.4 39.6

54 57.8 49.4 74.2

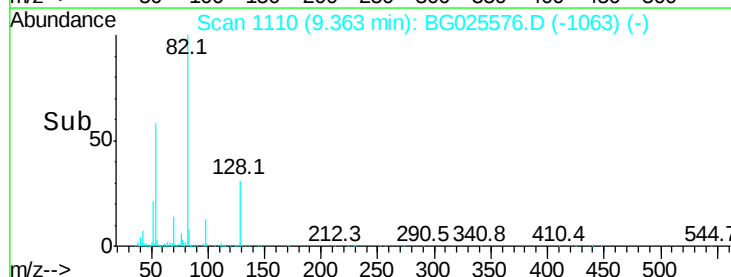
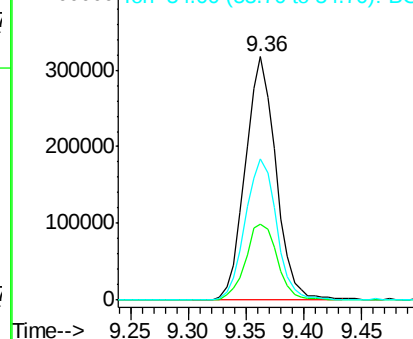


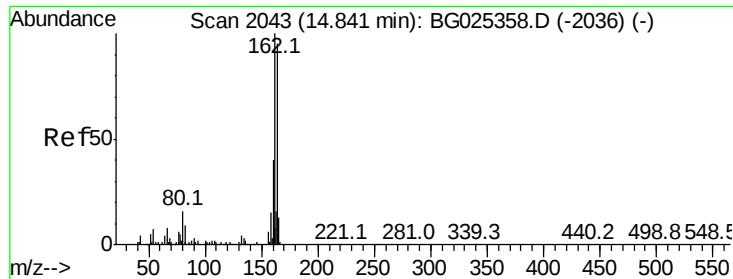
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

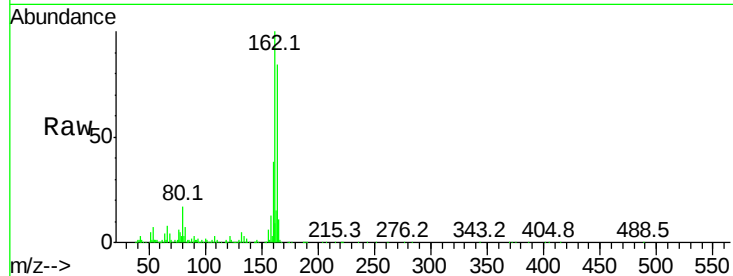
Tot Ion:164 Resp: 283072

Ion Ratio Lower Upper

164 100

162 119.3 85.1 127.7

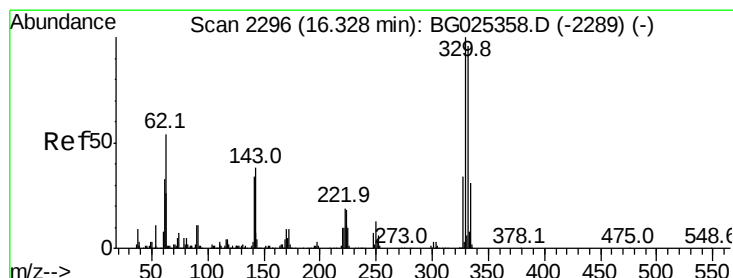
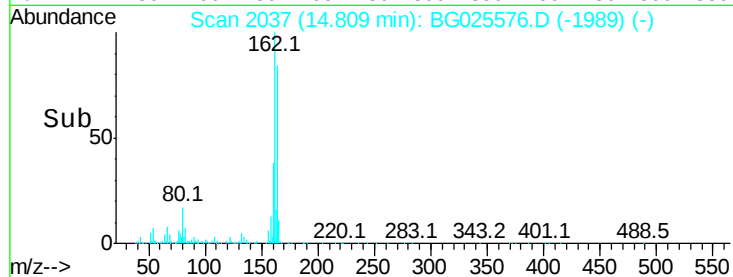
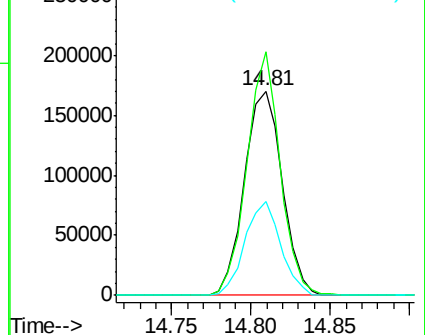
160 45.7 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 96.65 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

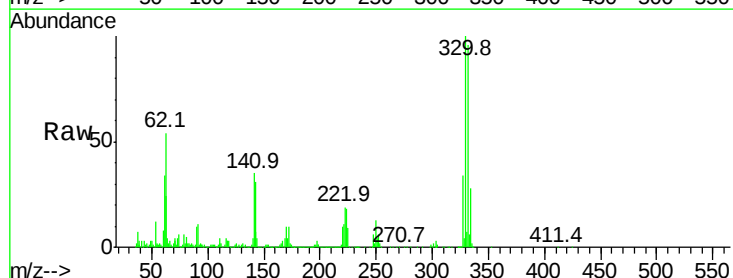
Tgt Ion:330 Resp: 440449

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

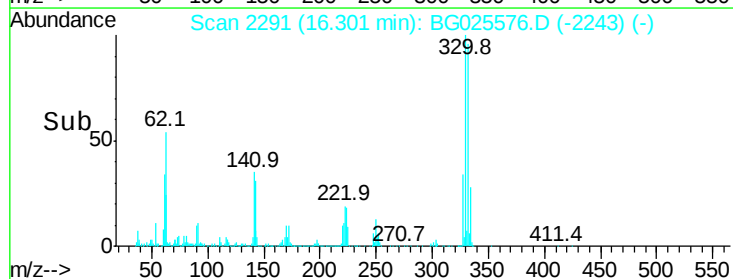
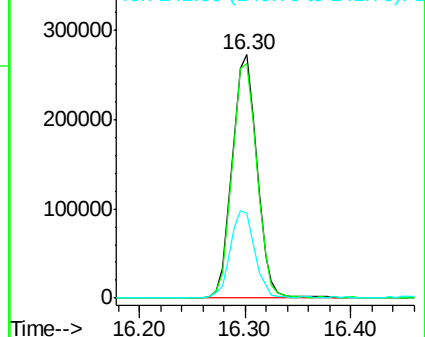
141 35.6 32.1 48.1

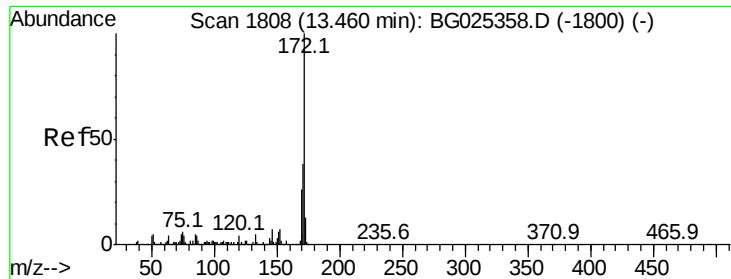


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

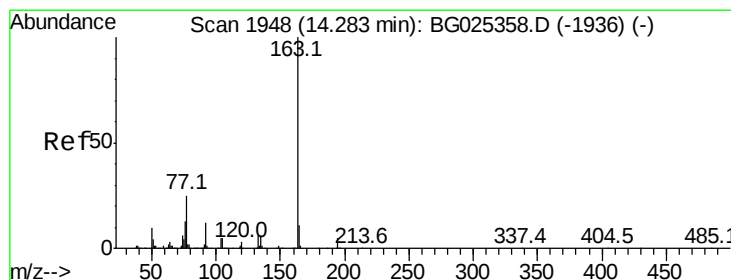
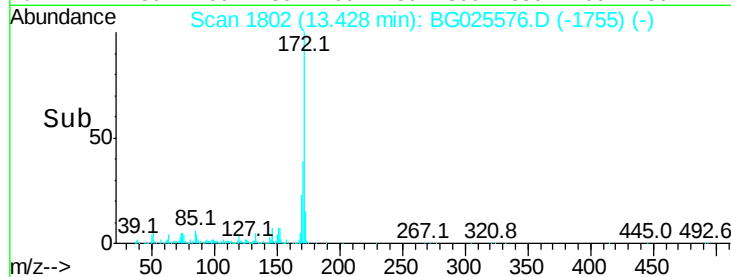
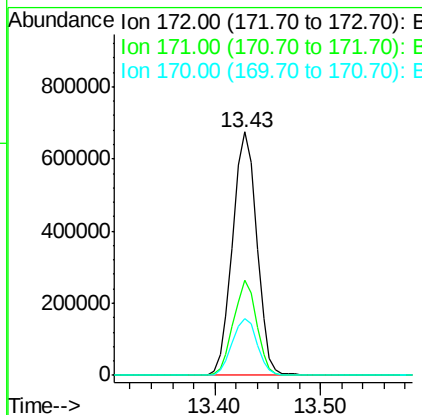
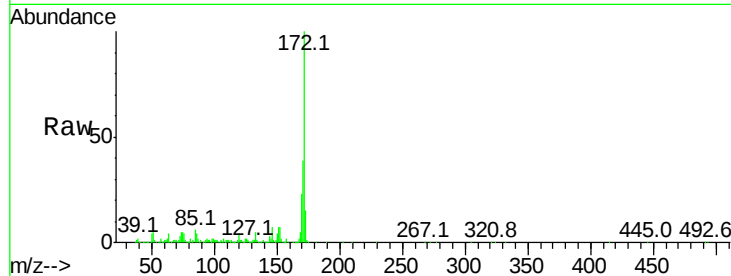




#44
2-Fluorobiphenyl
Concen: 61.15 ng
RT: 13.43 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BG025576.D
Acq: 21 Jan 2017 16:44

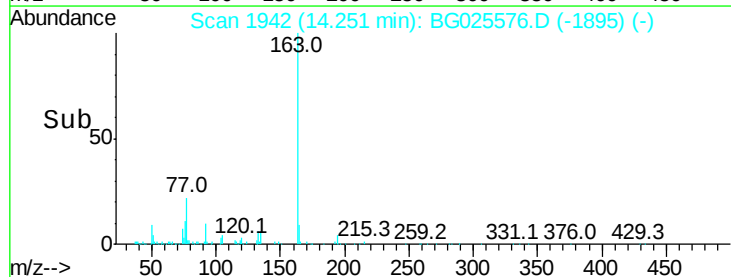
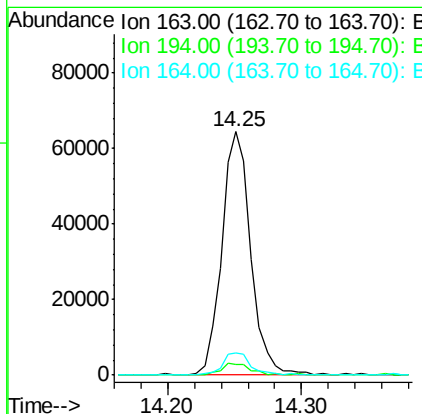
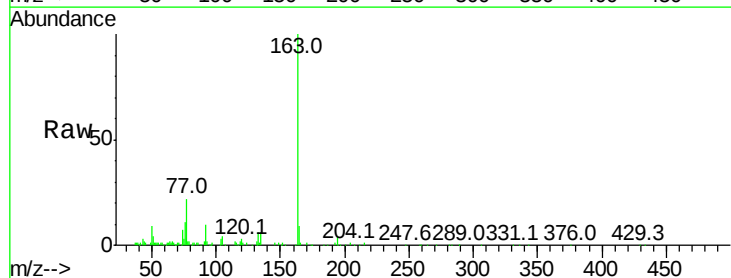
Instrument :
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T1-0-2FT-COMP

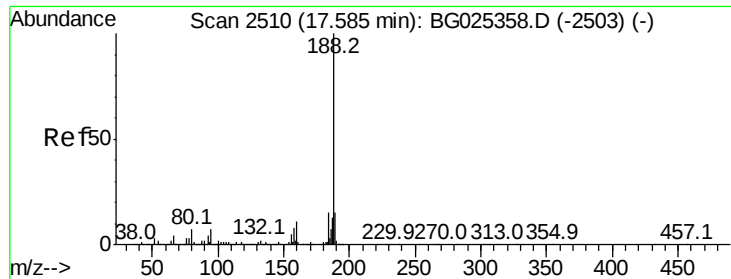
Tot Ion:172 Resp: 1069157
Ion Ratio Lower Upper
172 100
171 38.8 32.2 48.2
170 23.3 21.8 32.6



#49
Dimethylphthalate
Concen: 4.74 ng
RT: 14.25 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BG025576.D
Acq: 21 Jan 2017 16:44

Tgt Ion:163 Resp: 97872
Ion Ratio Lower Upper
163 100
194 4.6 3.8 5.6
164 8.9 9.3 13.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

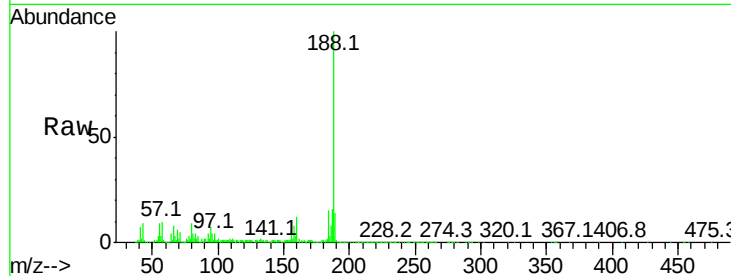
Tot Ion:188 Resp: 573969

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.8

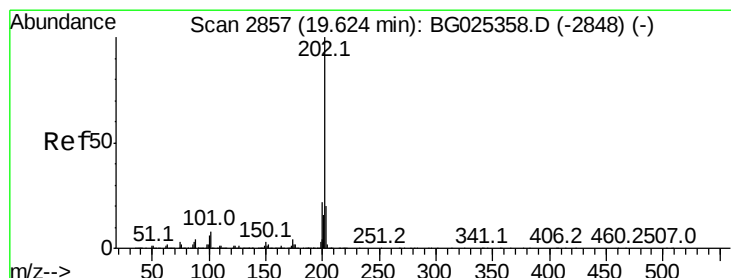
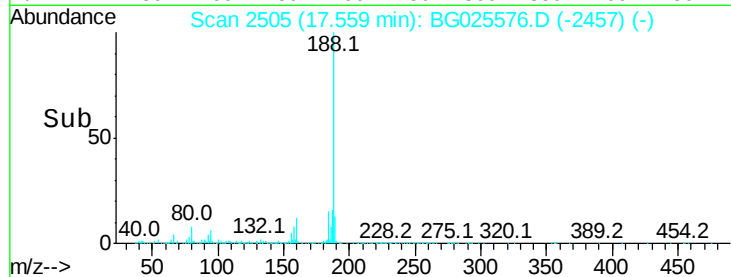
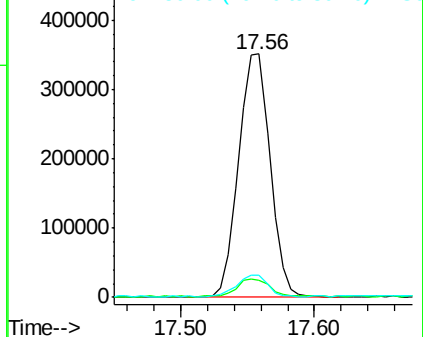
80 9.0 7.5 11.3



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



#74

Fluoranthene

Concen: 3.42 ng

RT: 19.60 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

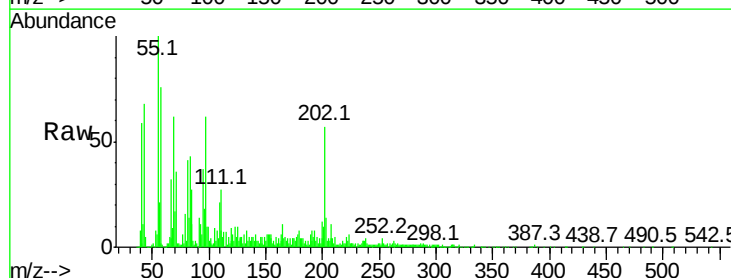
Tgt Ion:202 Resp: 133564

Ion Ratio Lower Upper

202 100

101 6.5 0.0 30.1

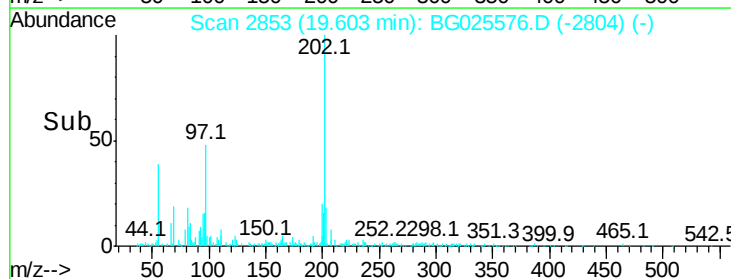
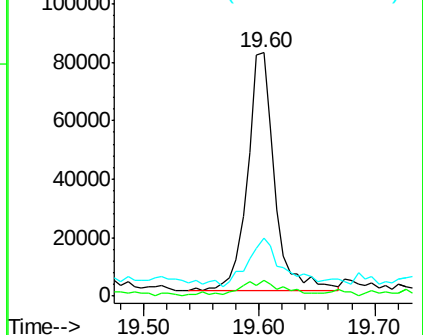
203 23.7 1.3 41.3

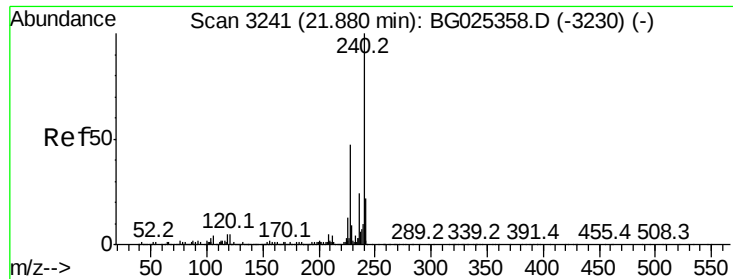


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3235

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

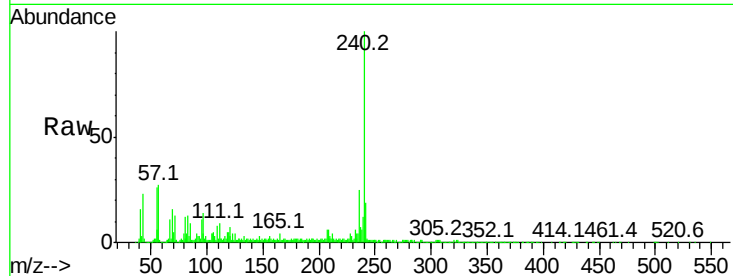
Tot Ion:240 Resp: 719553

Ion Ratio Lower Upper

240 100

120 7.3 5.7 8.5

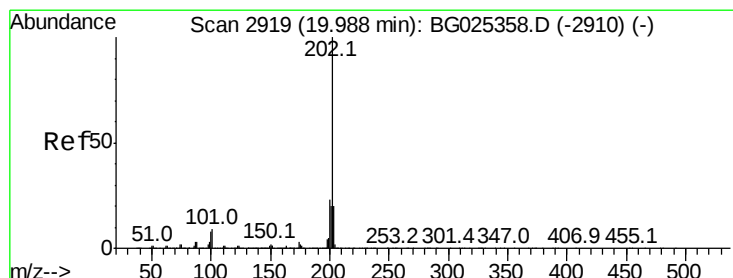
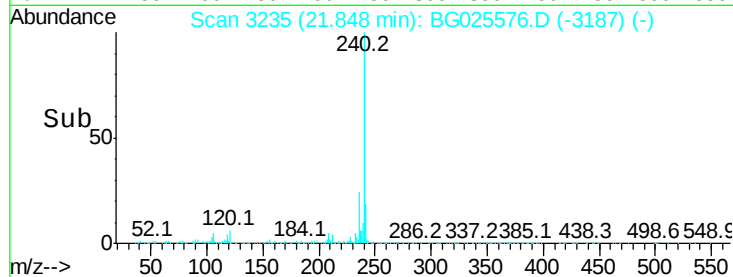
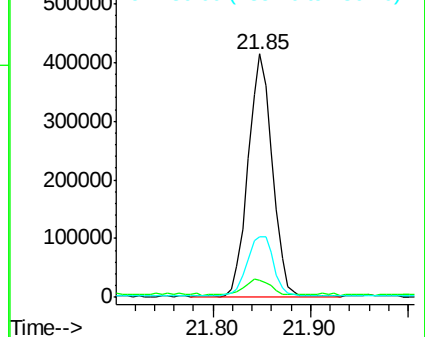
236 24.8 22.2 33.4



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

Pyrene

Concen: 3.56 ng

RT: 19.96 min Scan# 2914

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

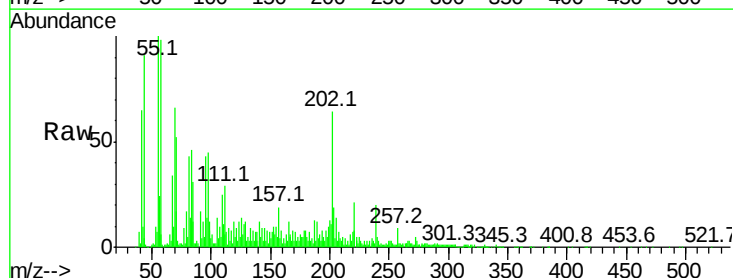
Tgt Ion:202 Resp: 134005

Ion Ratio Lower Upper

202 100

200 19.9 19.6 29.4

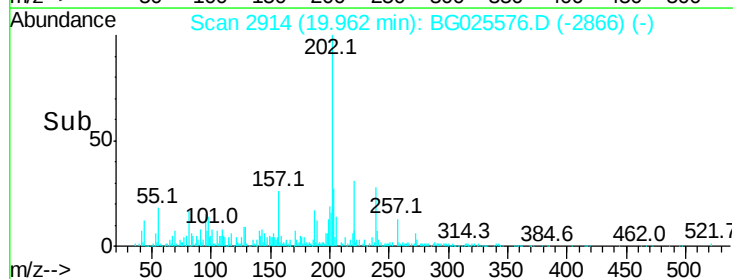
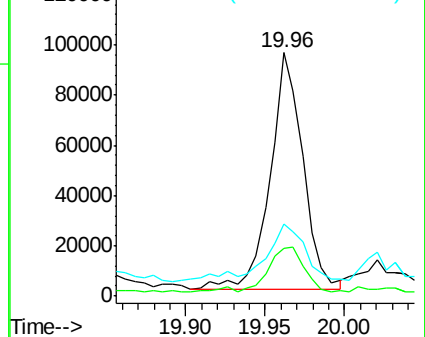
203 29.4 15.8 23.8#

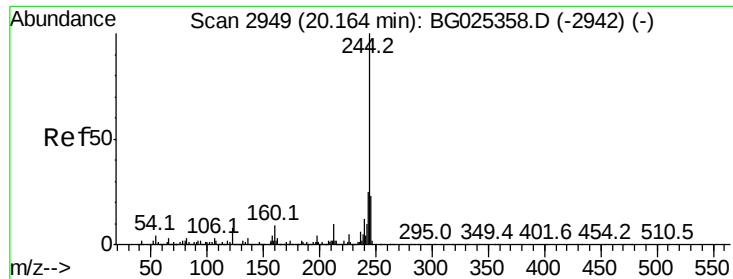


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.90 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

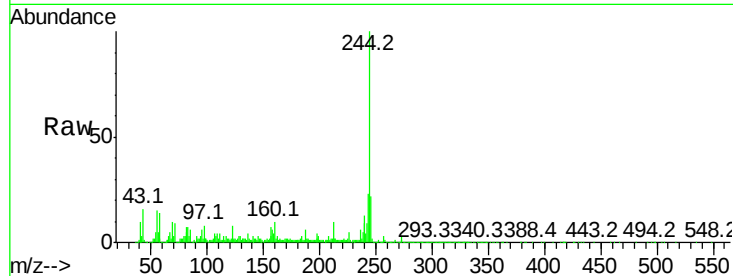
Tot Ion:244 Resp: 1435541

Ion Ratio Lower Upper

244 100

212 9.6 10.0 15.0#

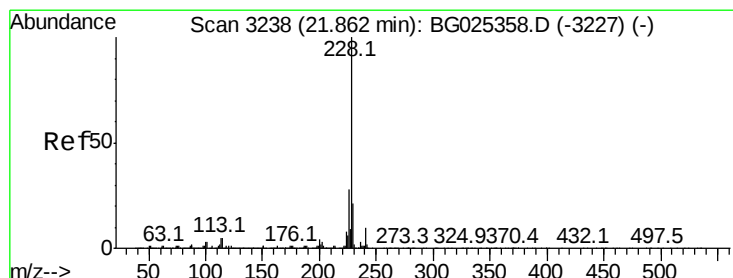
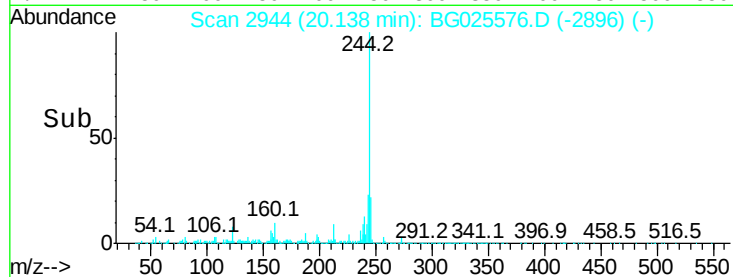
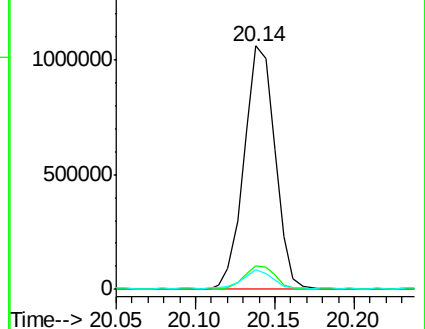
122 8.0 8.6 12.8#



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



#80

Benzo(a)anthracene

Concen: 2.48 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

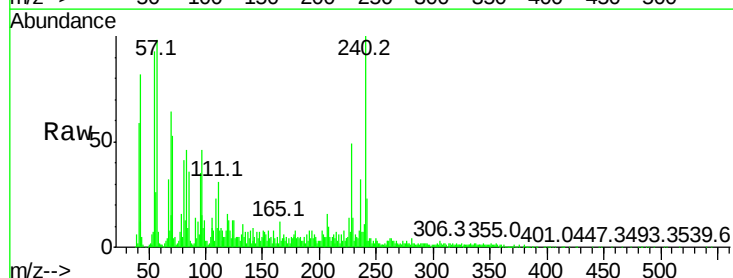
Tgt Ion:228 Resp: 99609

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

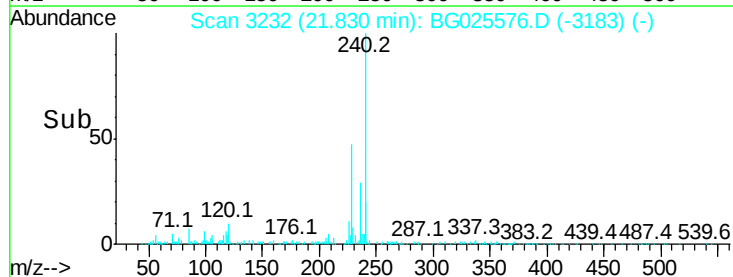
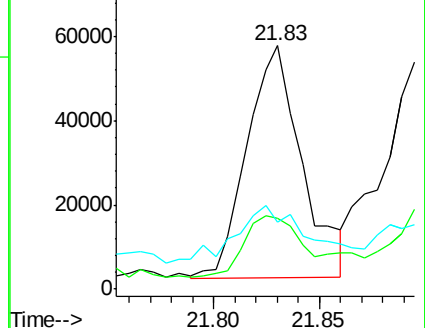
229 27.5 18.2 27.2#

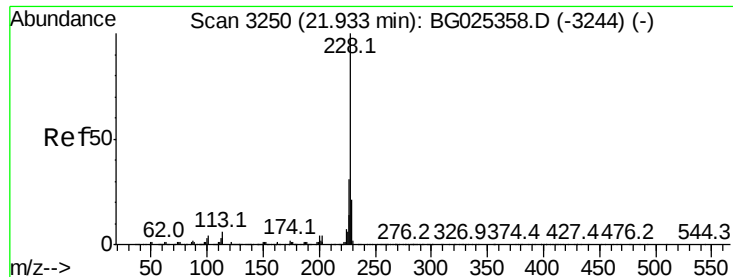


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.00 ng

RT: 21.90 min Scan# 3244

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

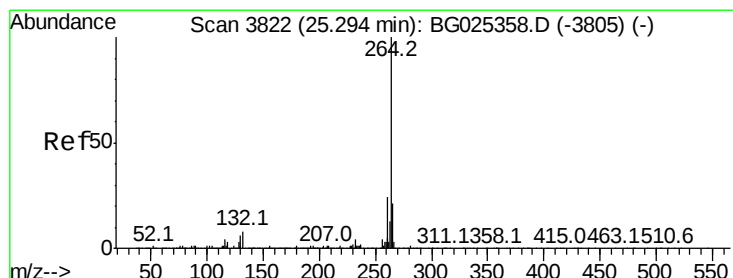
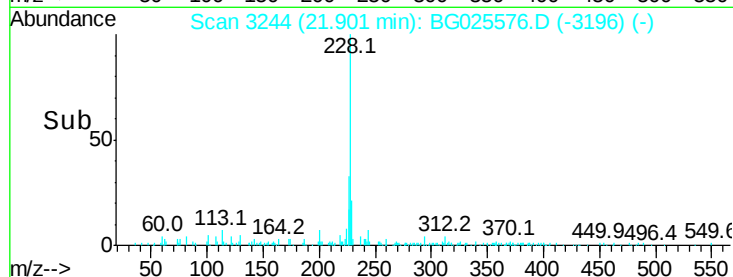
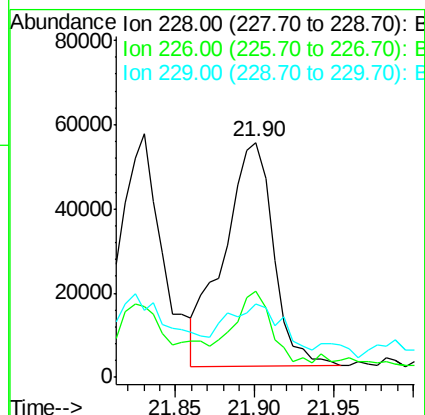
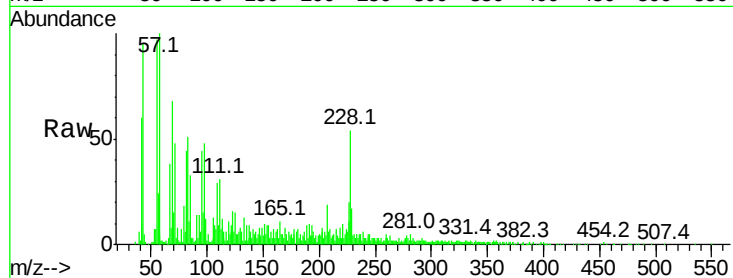
BNA_G

ClientSampleId :

T1-0-2FT-COMP

Tot Ion:228 Resp: 115285

Ion	Ratio	Lower	Upper
228	100		
226	36.5	27.0	40.4
229	31.3	17.8	26.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.23 min Scan# 3811

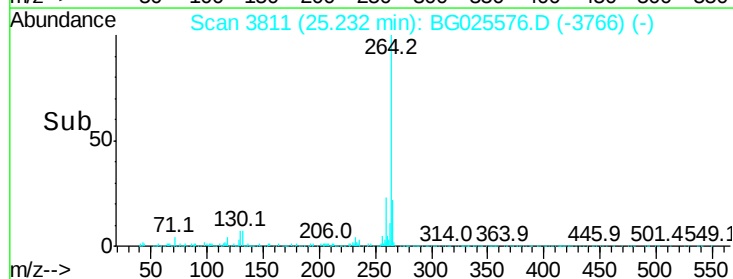
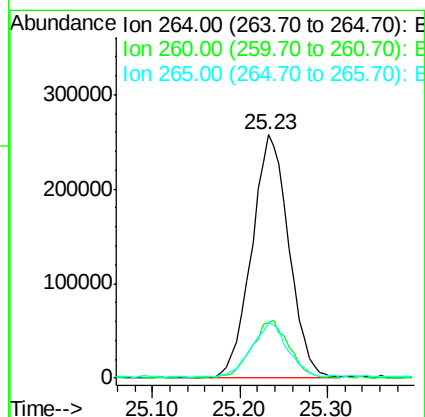
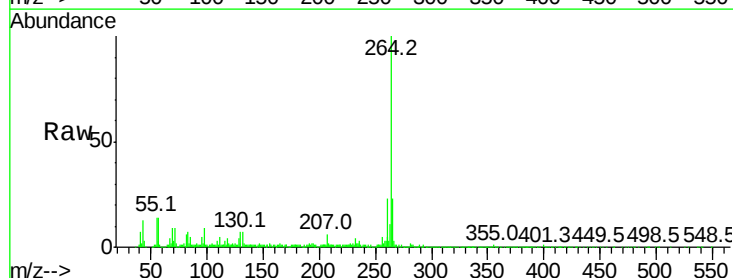
Delta R.T. -0.03 min

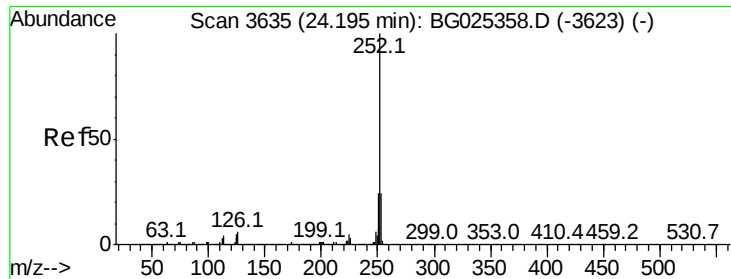
Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Tgt Ion:264 Resp: 748957

Ion	Ratio	Lower	Upper
264	100		
260	22.8	21.8	32.8
265	22.7	18.2	27.4





#87

Benzo(b)fluoranthene

Concen: 2.18 ng

RT: 24.16 min Scan# 3628

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

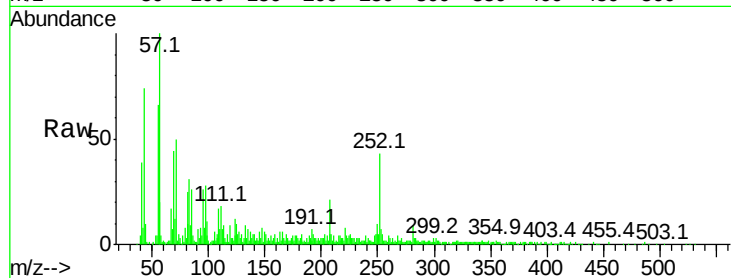
Tot Ion:252 Resp: 89275

Ion Ratio Lower Upper

252 100

253 17.3 18.7 28.1#

125 23.9 5.3 7.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

