

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 00:58:14 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

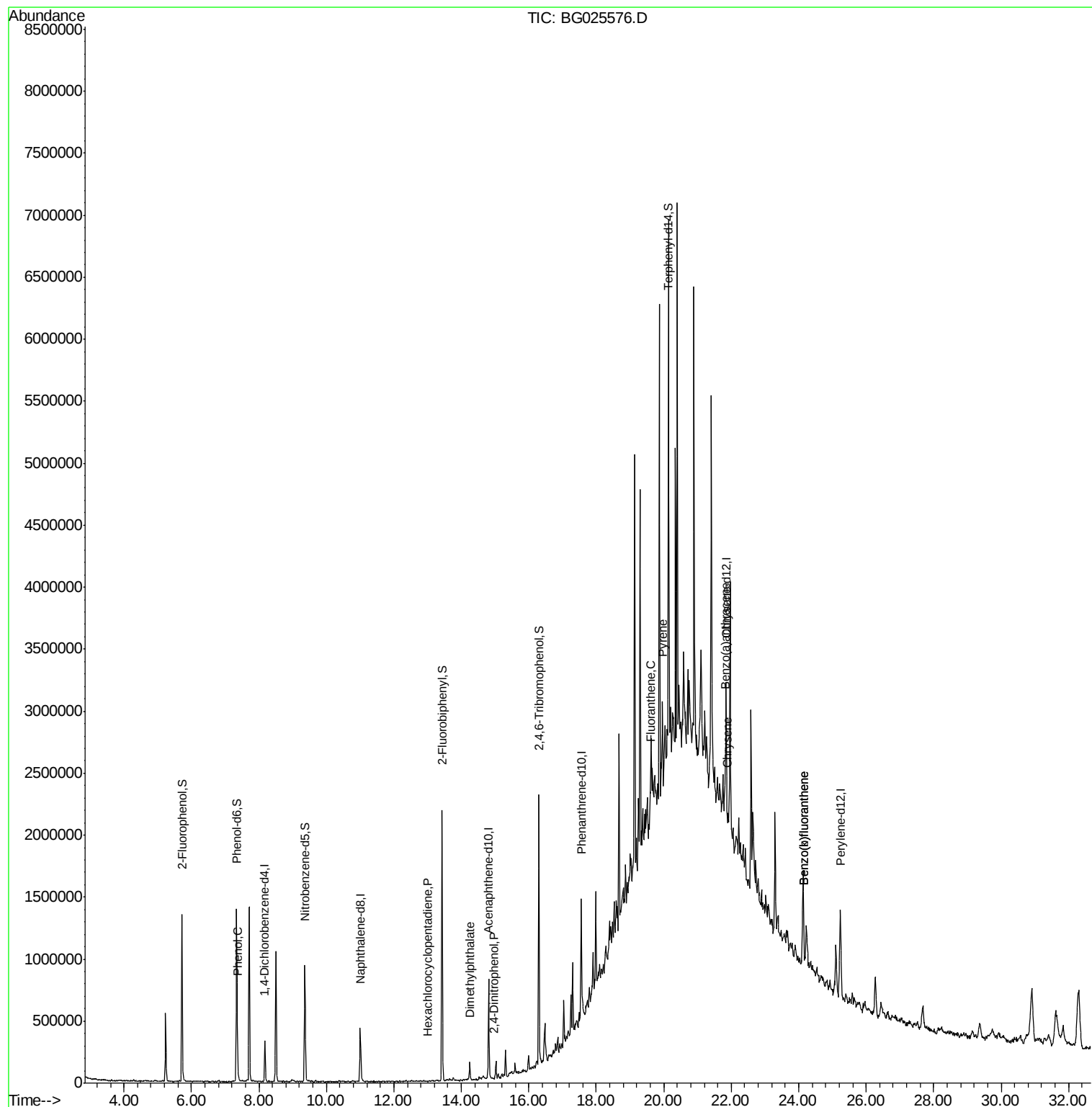
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	86506	20.00	ng	-0.02
21) Naphthalene-d8	11.00	136	363969	20.00	ng	-0.03
38) Acenaphthene-d10	14.81	164	283072	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	573969	20.00	ng	-0.02
75) Chrysene-d12	21.85	240	719553	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
40) Hexachlorocyclopentadiene	13.00	237	86	8.53	ng	# 29
49) Dimethylphthalate	14.25	163	97872	4.74	ng	# 95
53) 2,4-Dinitrophenol	14.96	184	89	5.11	ng	# 15
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
88) Benzo(k)fluoranthene	24.16	252	89275	2.26	ng	# 77

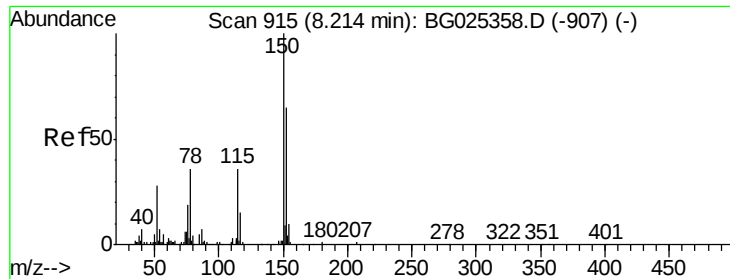
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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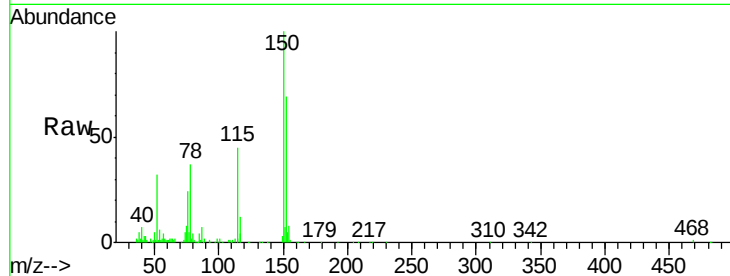


#1

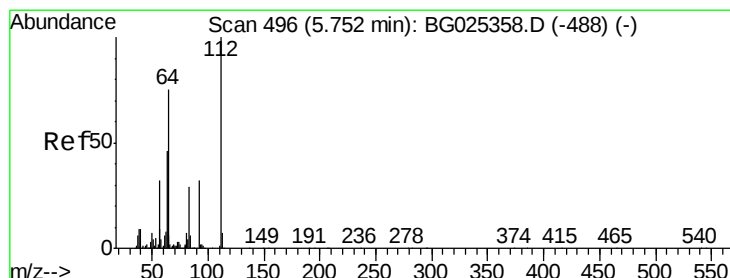
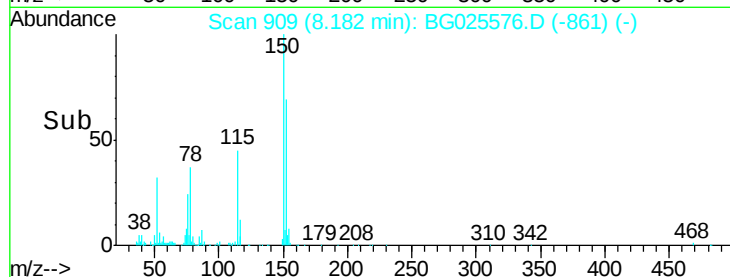
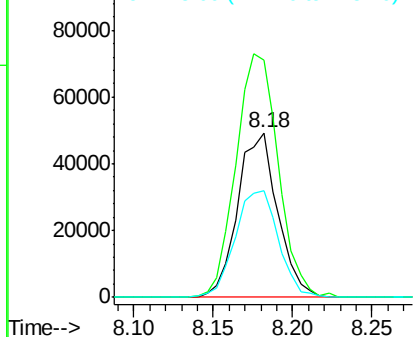
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 909
Delta R.T. -0.02 min
Lab File: BG025576.D
Acq: 21 Jan 2017 16:44

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

Tgt Ion:152 Resp: 86506
Ion Ratio Lower Upper
152 100
150 144.2 114.0 171.0
115 64.7 48.1 72.1



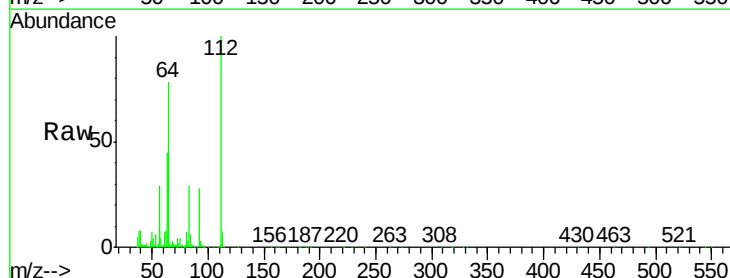
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



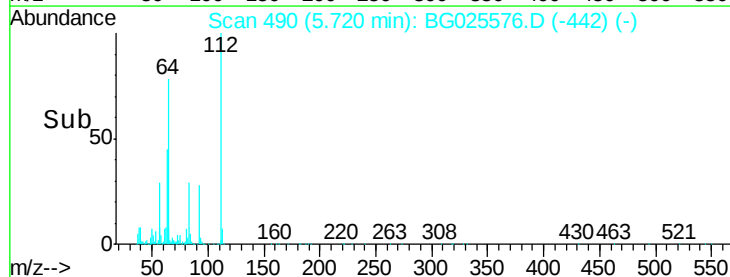
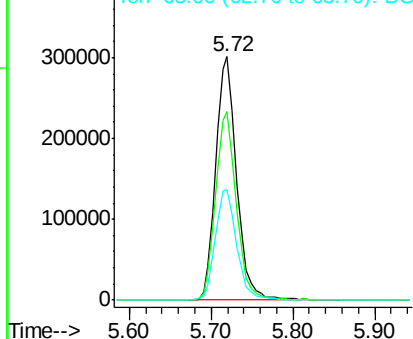
#5

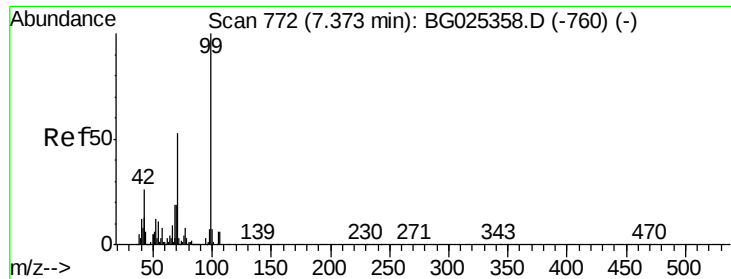
2-Fluorophenol
Concen: 112.47 ng
RT: 5.72 min Scan# 490
Delta R.T. -0.02 min
Lab File: BG025576.D
Acq: 21 Jan 2017 16:44

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

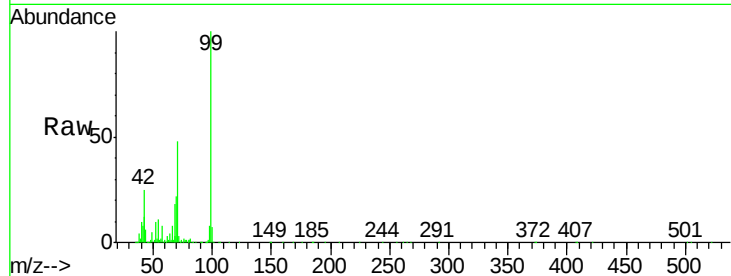
Tgt Ion: 99 Resp: 765385

Ion Ratio Lower Upper

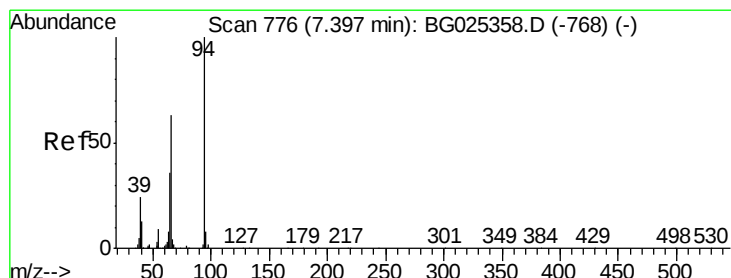
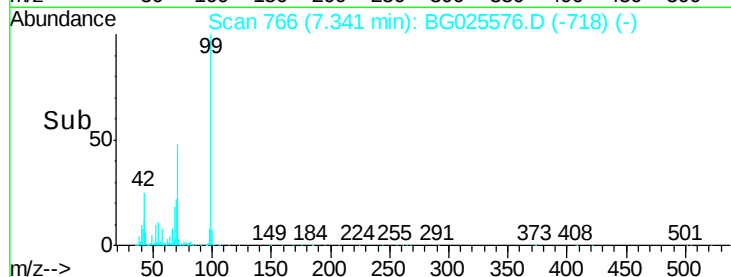
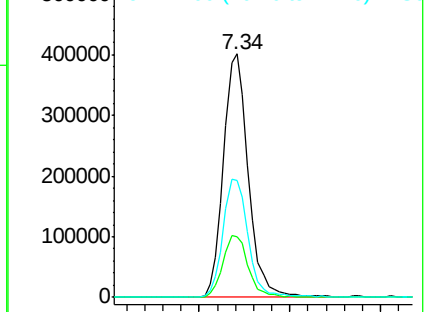
99 100

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

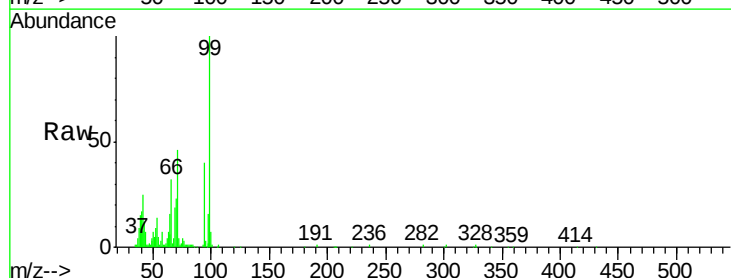
Tgt Ion: 94 Resp: 42083

Ion Ratio Lower Upper

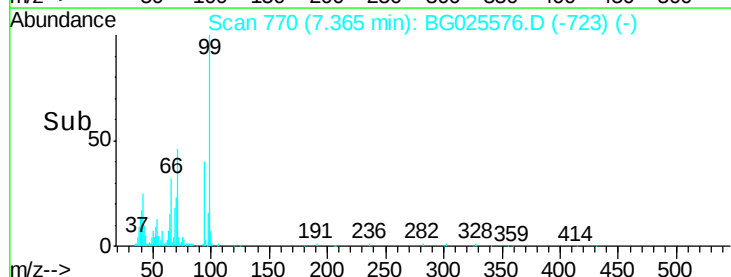
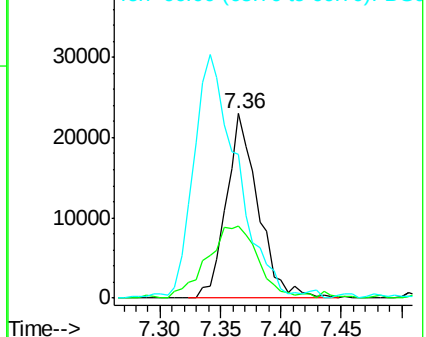
94 100

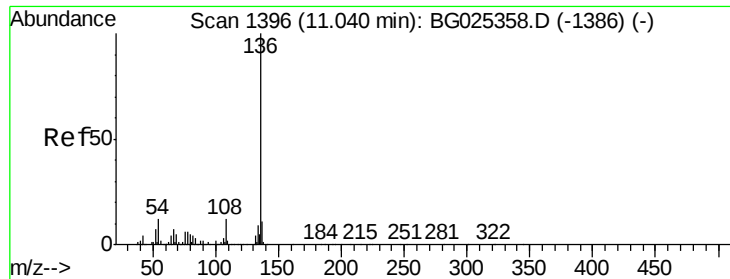
65 38.9 20.6 60.6

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

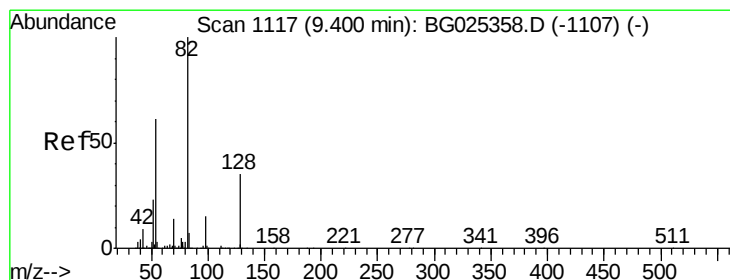
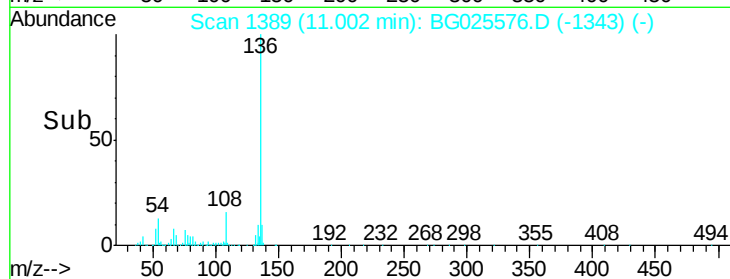
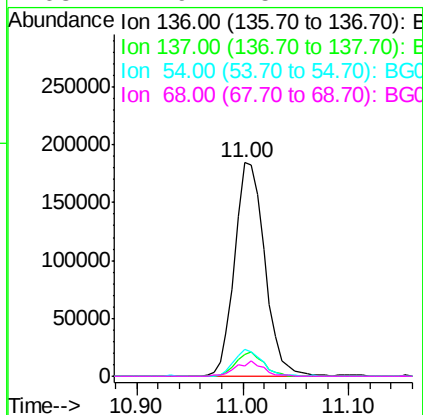
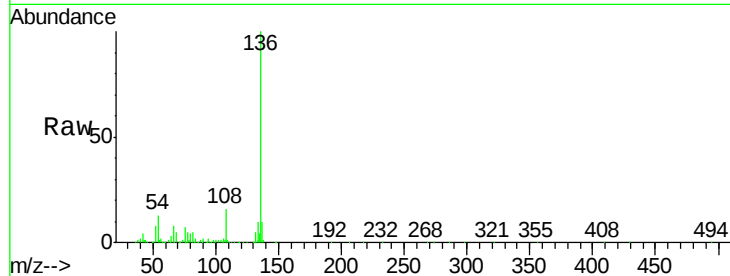




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1389
Delta R.T. -0.03 min
Lab File: BG025576.D
Acq: 21 Jan 2017 16:44

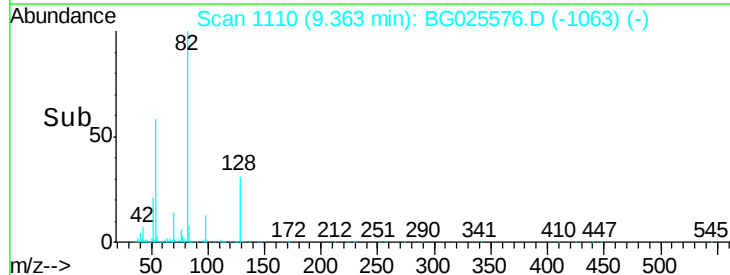
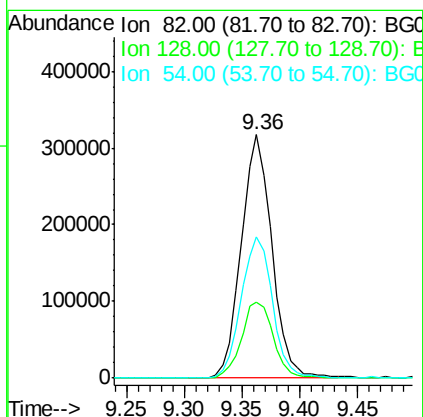
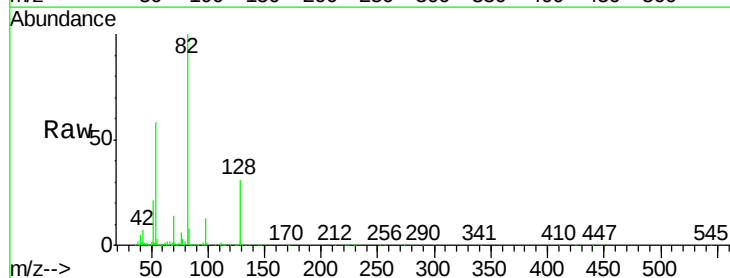
Instrument :
BNA_G
ClientSampleId :
T1-0-2FT-COMP

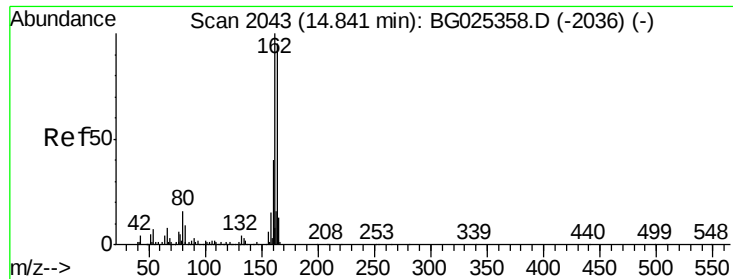
Tgt Ion:	136	Resp:	363969
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.9	13.3
54	12.5	9.3	13.9
68	4.9	5.1	7.7#



#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





#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

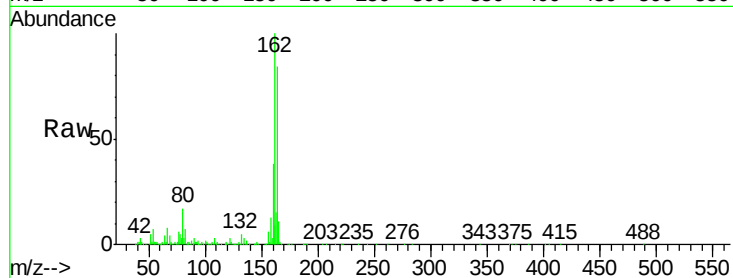
Tgt Ion:164 Resp: 283072

Ion Ratio Lower Upper

164 100

162 119.3 85.1 127.7

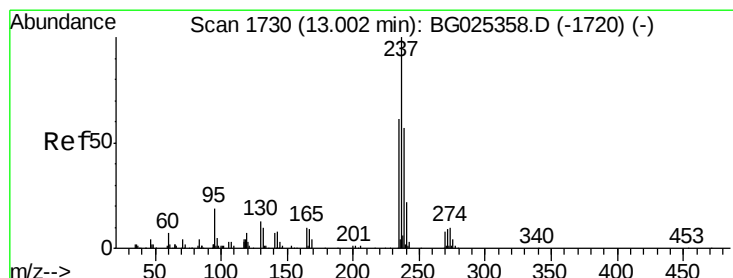
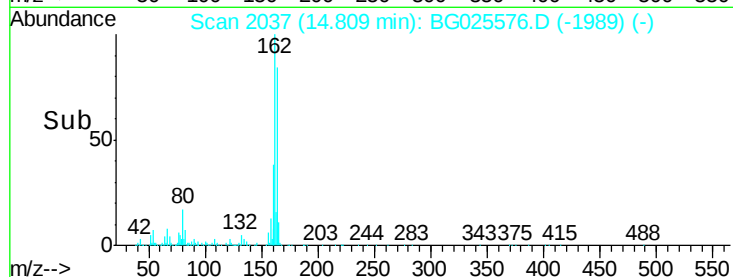
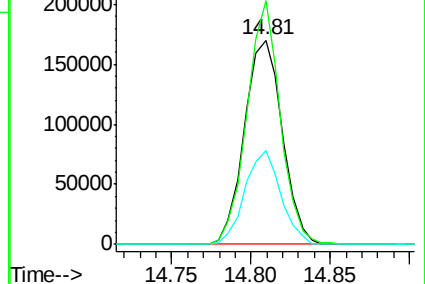
160 45.7 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 8.53 ng

RT: 13.00 min Scan# 1729

Delta R.T. 0.01 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

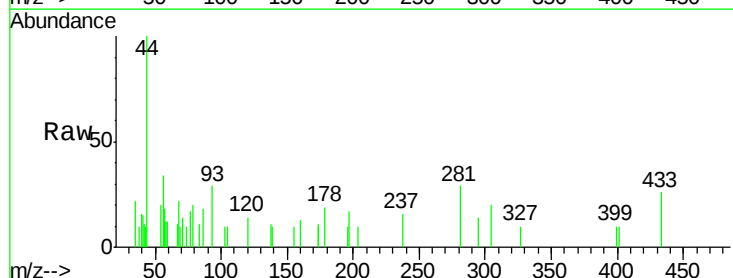
Tgt Ion:237 Resp: 86

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

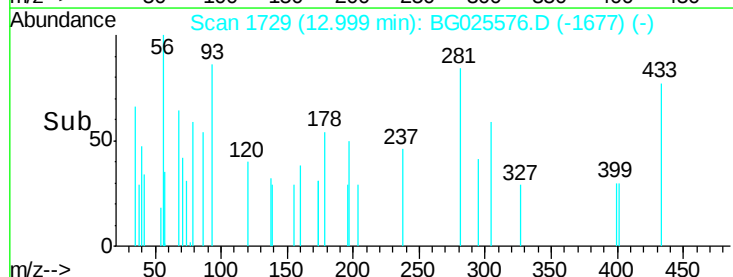
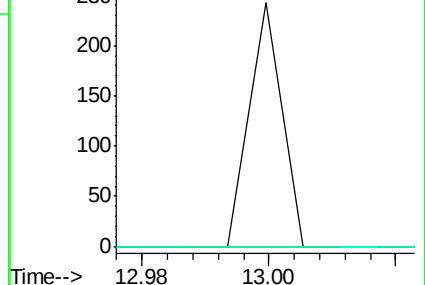
272 0.0 0.0 32.0

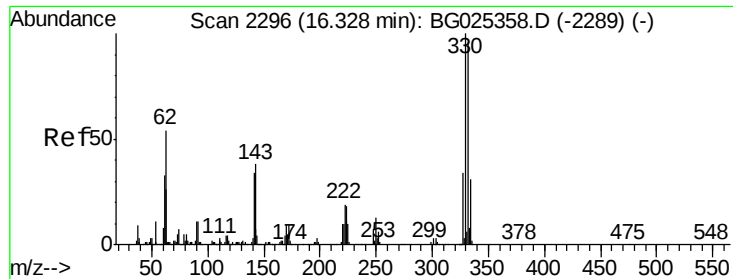


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): 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

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

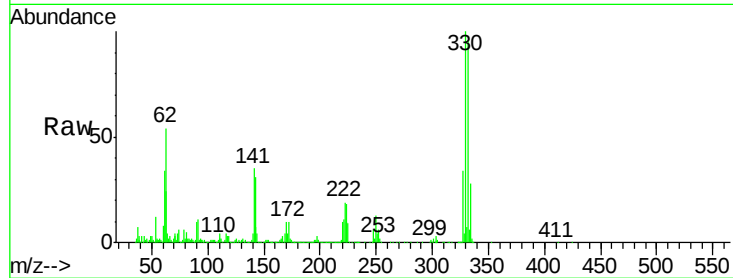
Tgt Ion:330 Resp: 440449

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

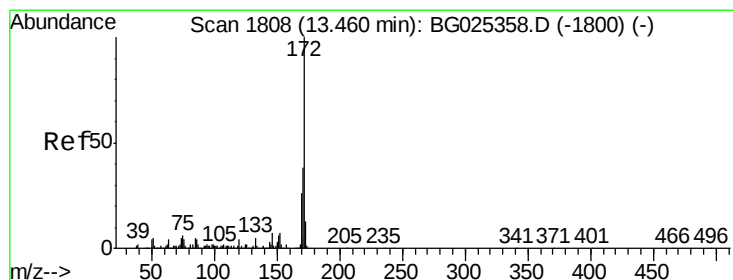
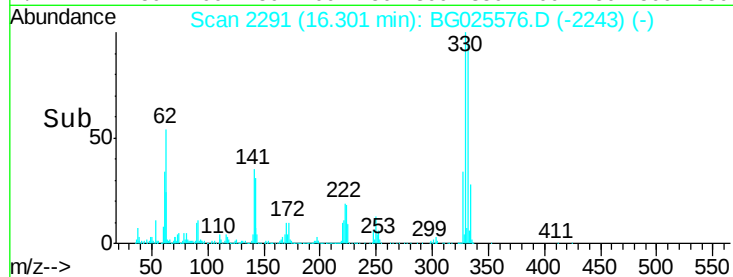
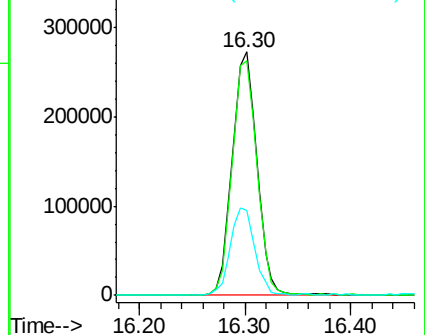
141 35.6 32.1 48.1



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

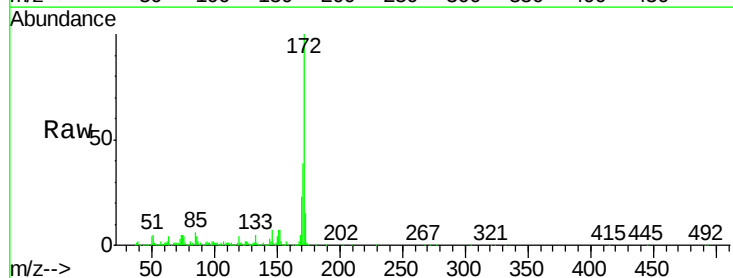
Tgt Ion:172 Resp: 1069157

Ion Ratio Lower Upper

172 100

171 38.8 32.2 48.2

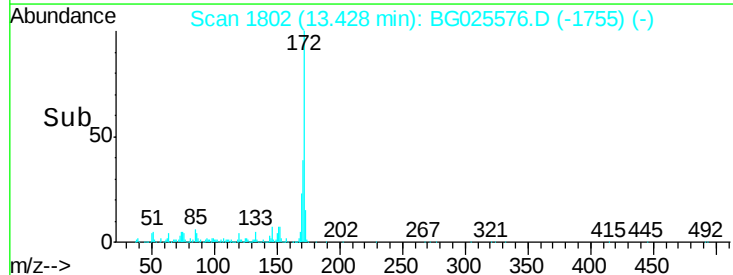
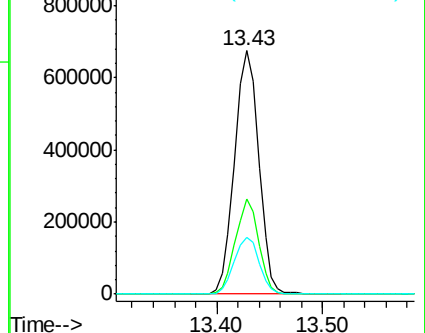
170 23.3 21.8 32.6

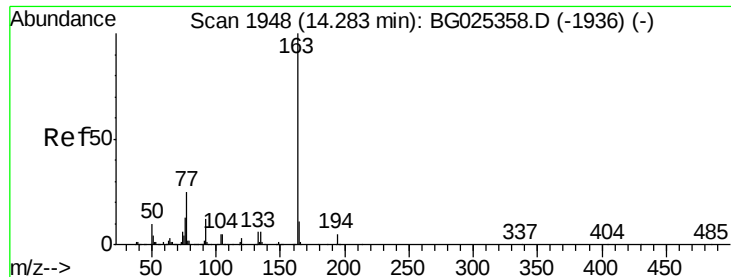


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#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

Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

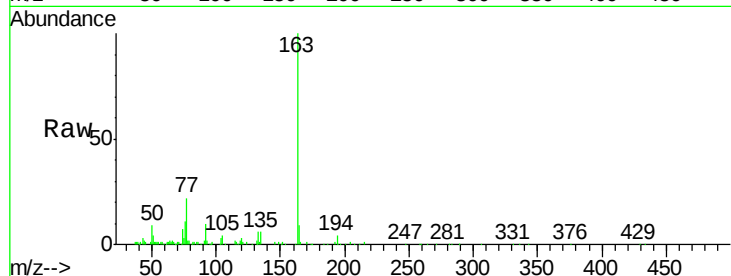
Tgt Ion:163 Resp: 97872

Ion Ratio Lower Upper

163 100

194 4.6 3.8 5.6

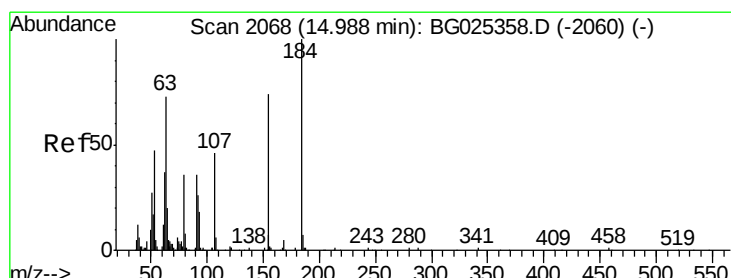
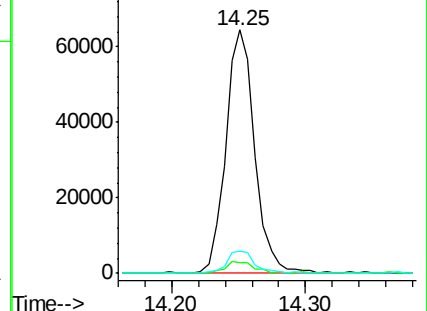
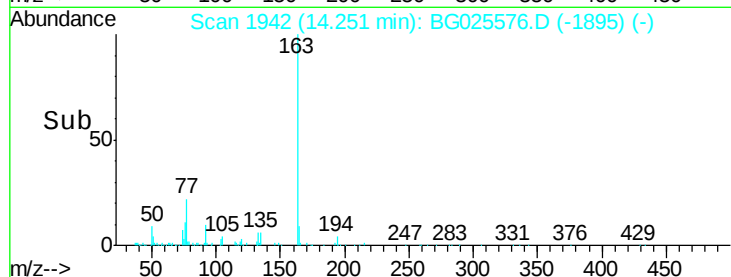
164 8.9 9.3 13.9#



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



#53

2,4-Dinitrophenol

Concen: 5.11 ng

RT: 14.96 min Scan# 2062

Delta R.T. -0.02 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

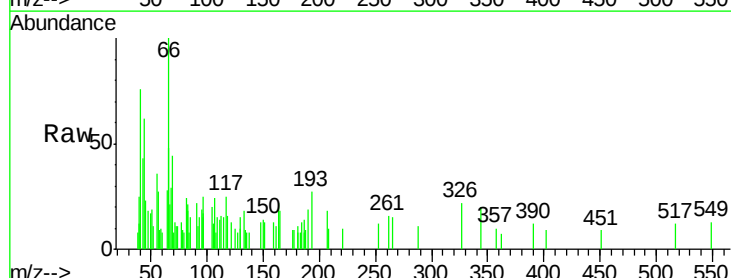
Tgt Ion:184 Resp: 89

Ion Ratio Lower Upper

184 100

63 0.0 52.7 79.1#

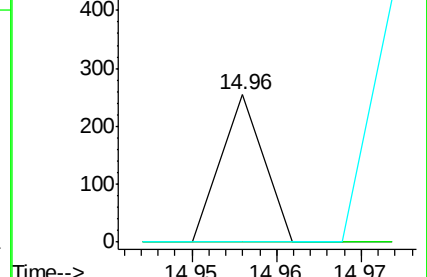
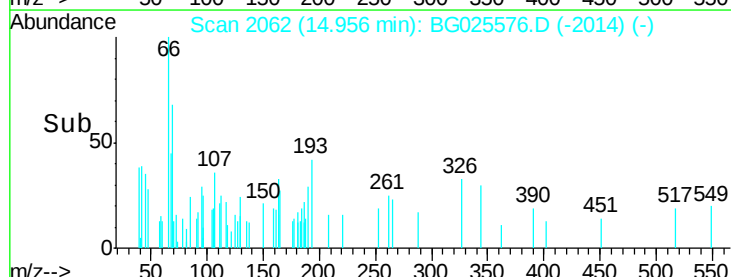
154 0.0 57.3 85.9#

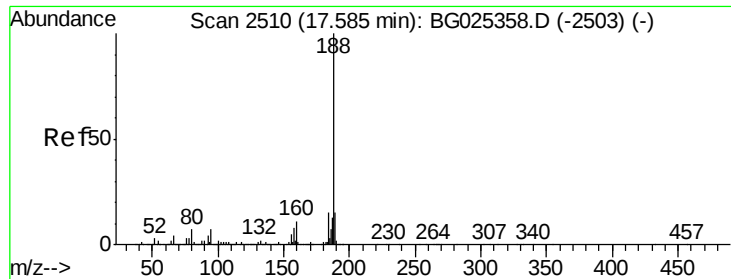


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#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

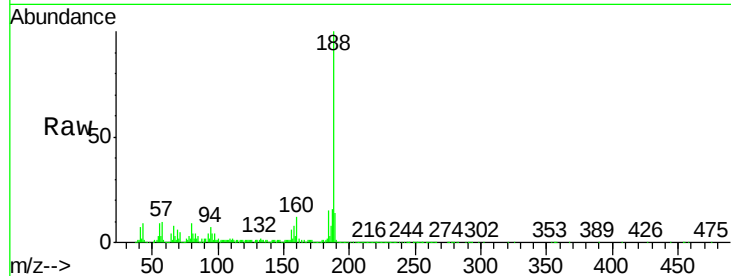
Tgt Ion:188 Resp: 573969

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.8

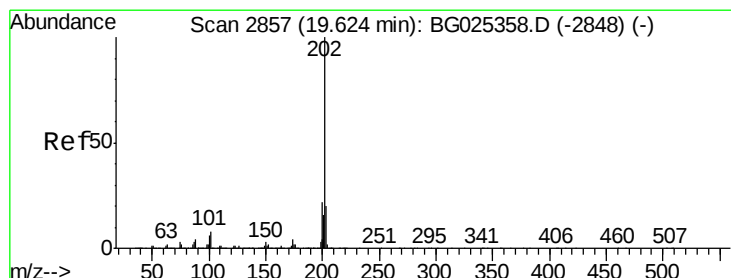
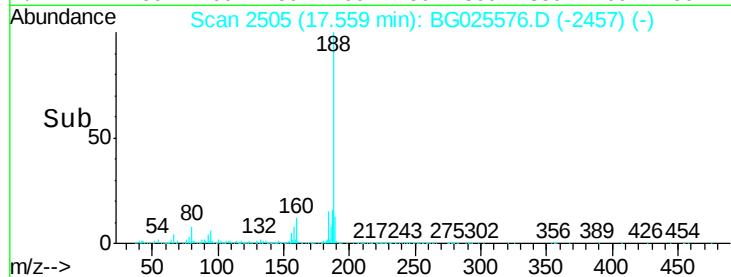
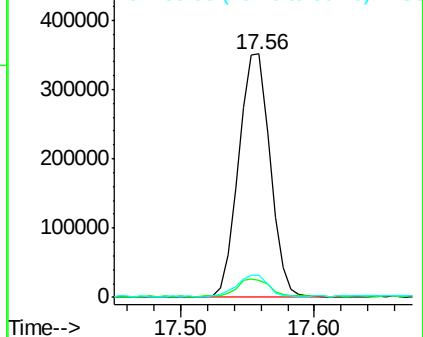
80 9.0 7.5 11.3



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

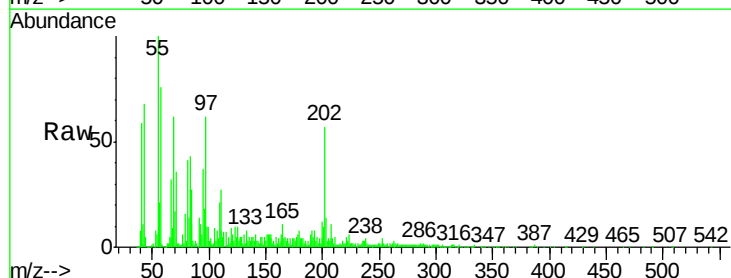
Tgt Ion:202 Resp: 133564

Ion Ratio Lower Upper

202 100

101 6.5 0.0 30.1

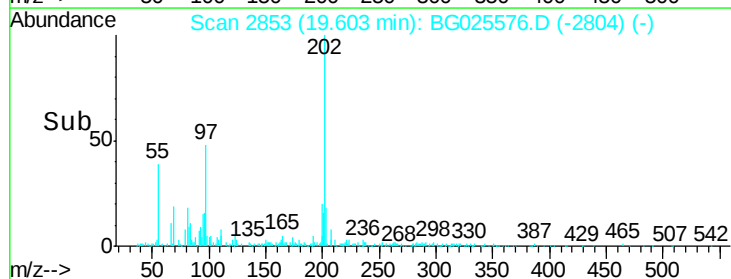
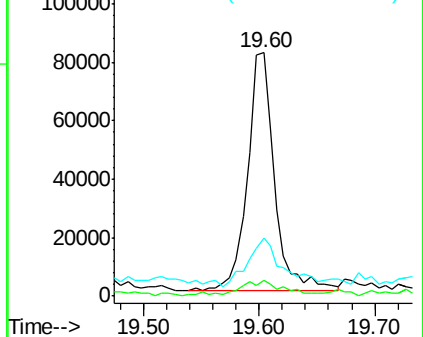
203 23.7 1.3 41.3

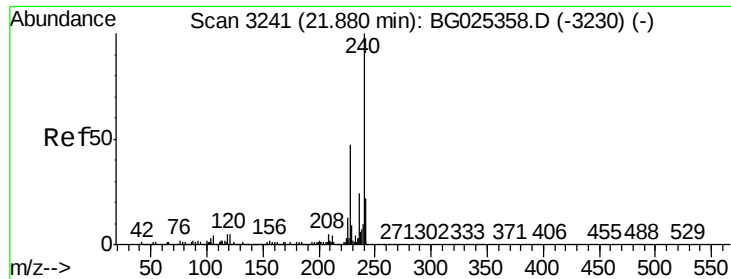


Abundance Ion 202.00 (201.70 to 202.70): E

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

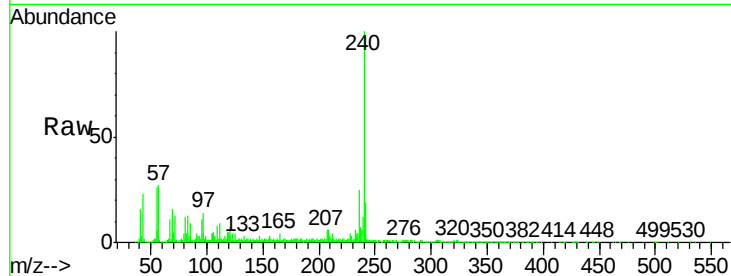
Tgt Ion:240 Resp: 719553

Ion Ratio Lower Upper

240 100

120 7.3 5.7 8.5

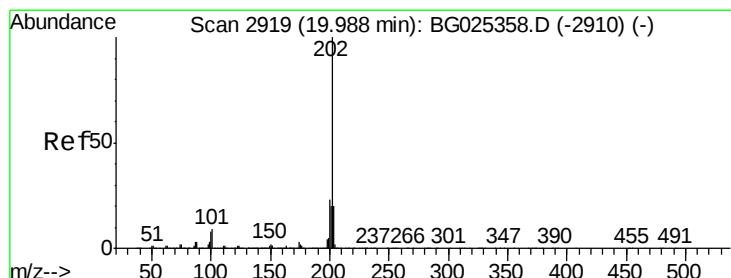
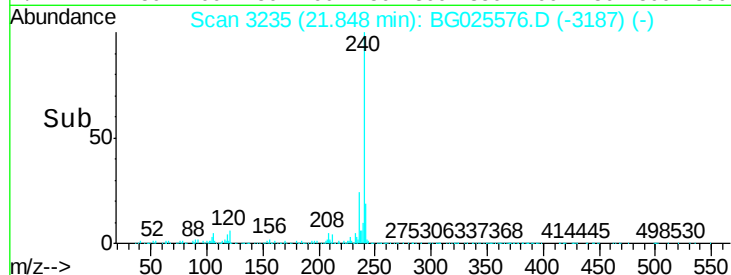
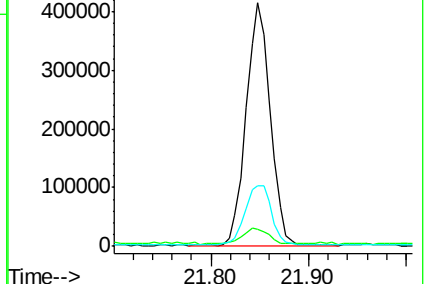
236 24.8 22.2 33.4



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

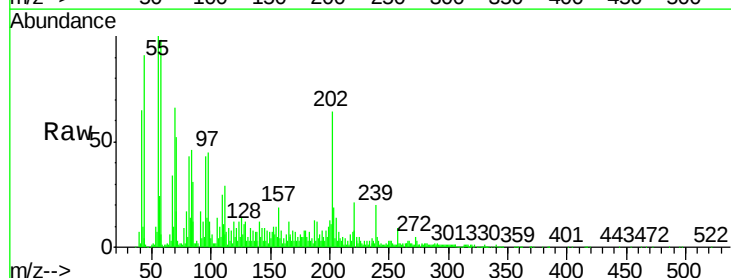
Tgt Ion:202 Resp: 134005

Ion Ratio Lower Upper

202 100

200 19.9 19.6 29.4

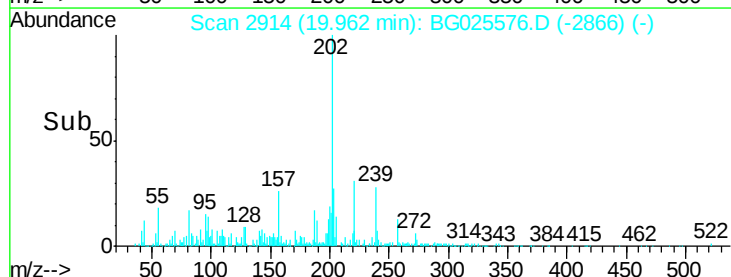
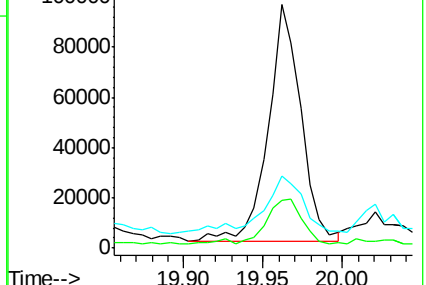
203 29.4 15.8 23.8#

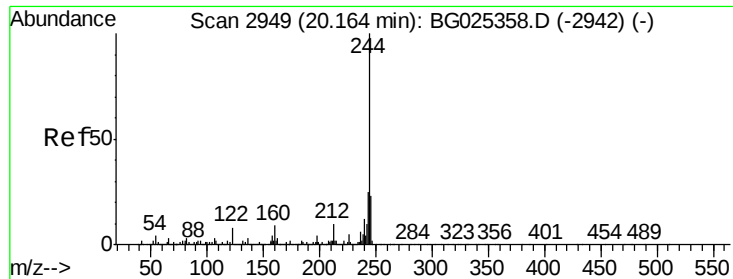


Abundance Ion 202.00 (201.70 to 202.70): E

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

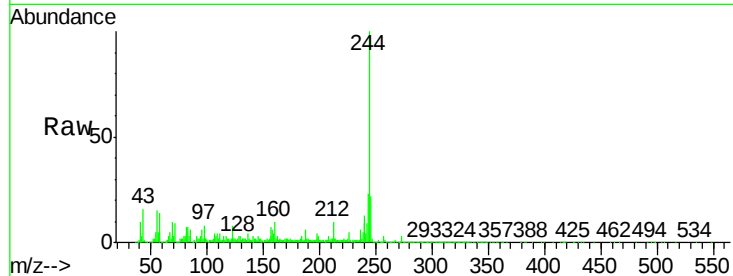
Tgt Ion:244 Resp: 1435541

Ion Ratio Lower Upper

244 100

212 9.6 10.0 15.0#

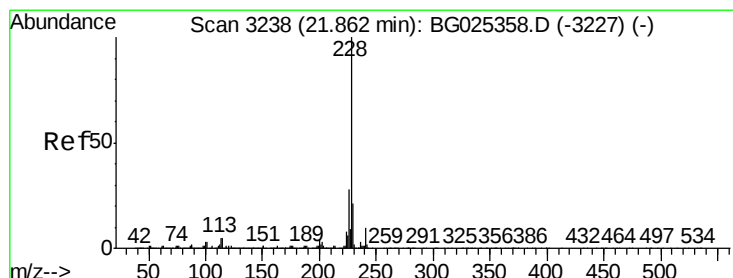
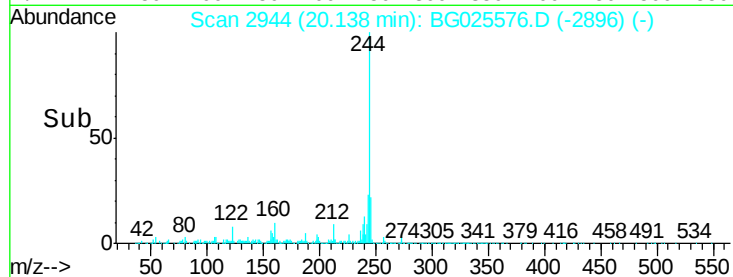
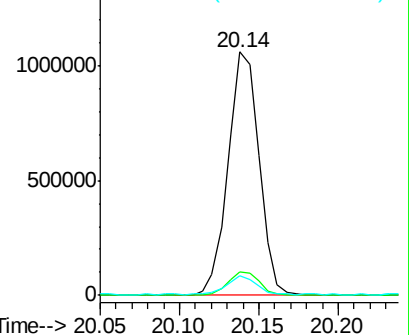
122 8.0 8.6 12.8#



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

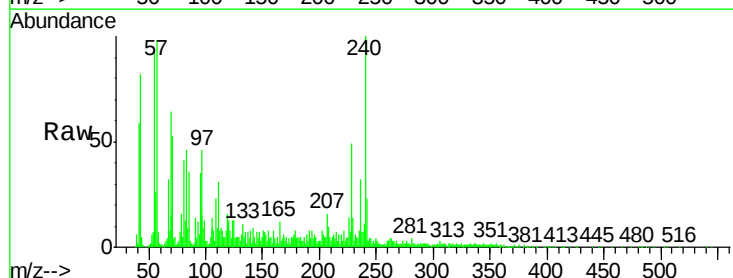
Tgt Ion:228 Resp: 99609

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

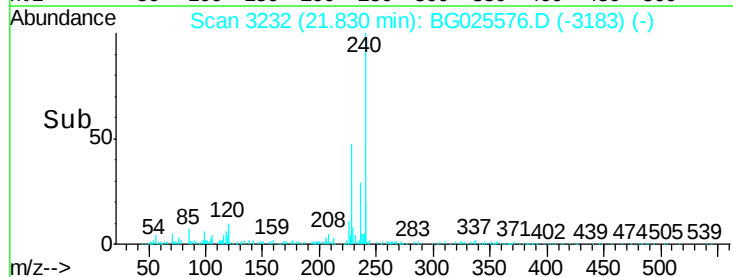
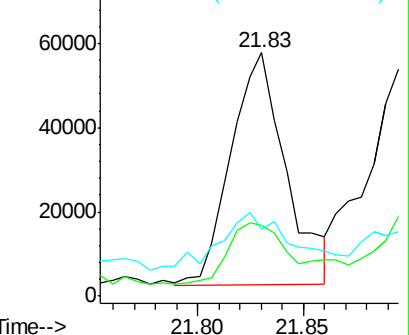
229 27.5 18.2 27.2#

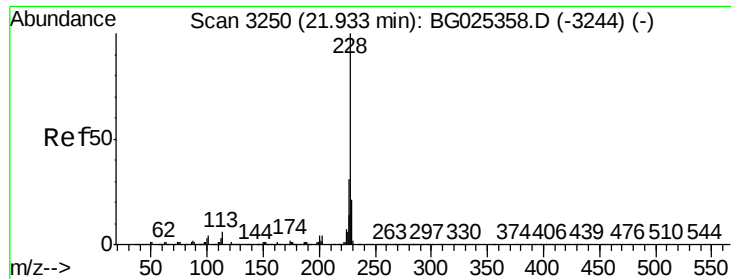


Abundance Ion 228.00 (227.70 to 228.70): E

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

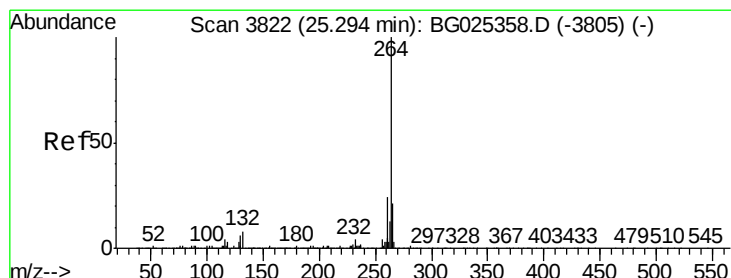
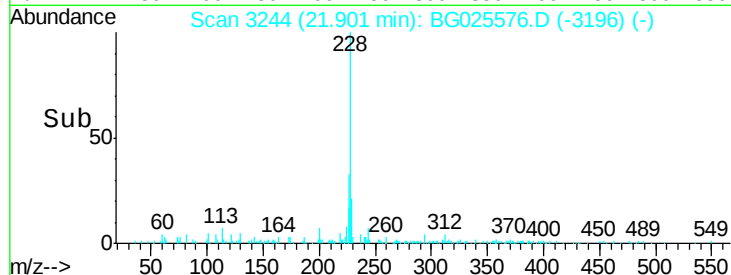
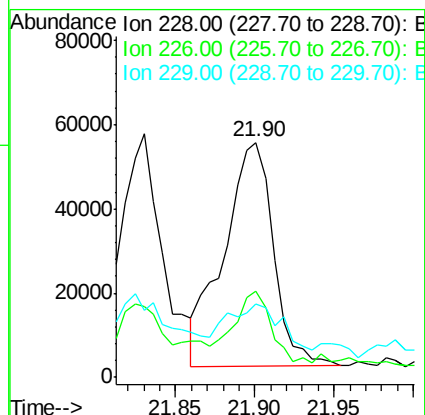
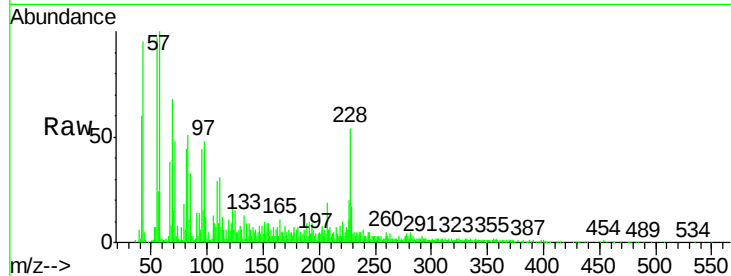
Tgt Ion:228 Resp: 115285

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

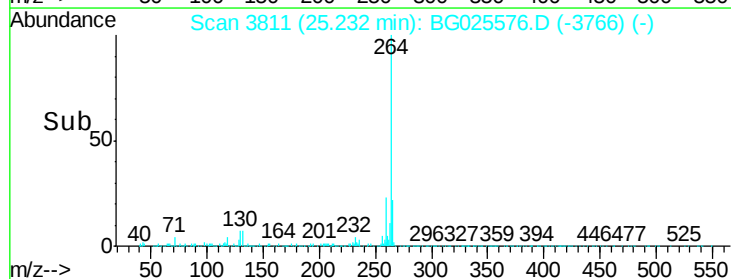
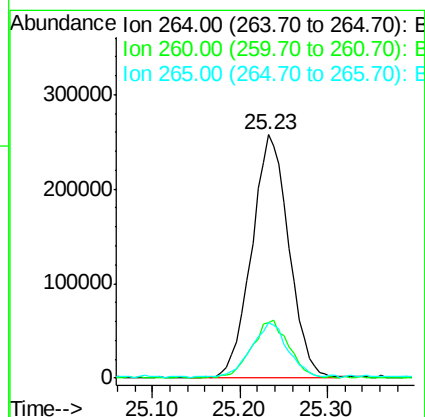
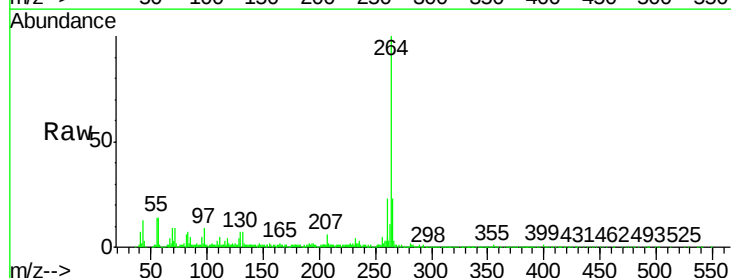
Tgt Ion:264 Resp: 748957

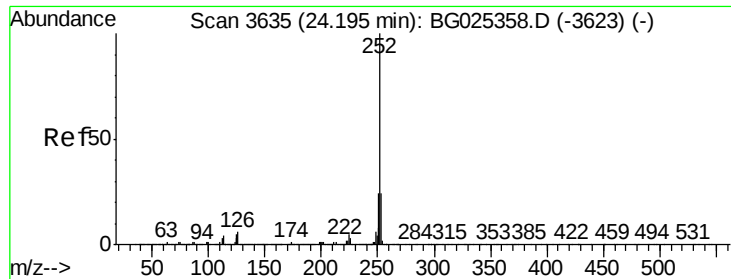
Ion Ratio Lower Upper

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

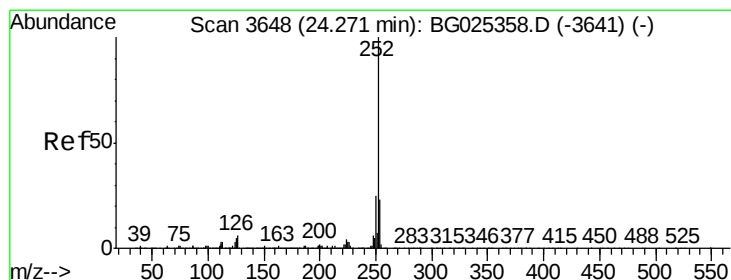
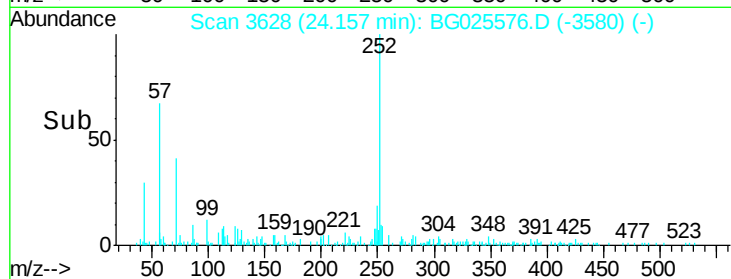
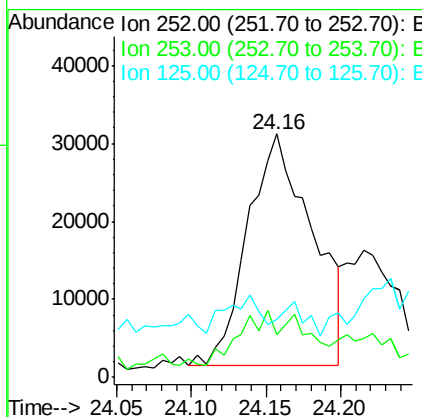
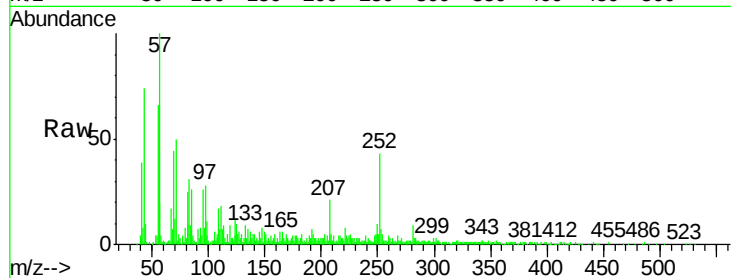
Instrument :

BNA_G

ClientSampleId :

T1-0-2FT-COMP

Tgt Ion:	252	Resp:	89275
Ion Ratio	Lower	Upper	
252	100		
253	17.3	18.7	28.1#
125	23.9	5.3	7.9#



#88

Benzo(k)fluoranthene

Concen: 2.26 ng

RT: 24.16 min Scan# 3628

Delta R.T. -0.09 min

Lab File: BG025576.D

Acq: 21 Jan 2017 16:44

Tgt Ion:	252	Resp:	89275
Ion Ratio	Lower	Upper	
252	100		
253	17.3	20.2	30.2#
125	23.9	5.1	7.7#

