

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
 Data File : BG025973.D
 Acq On : 27 Feb 2017 21:09
 Operator : SJ/MA
 Sample : I2011-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-A155

Quant Time: Feb 28 02:29:50 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 15:48:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	111186	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	424584	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	316321	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	633546	20.00	ng	0.00
75) Chrysene-d12	21.66	240	693745	20.00	ng	-0.02
86) Perylene-d12	24.85	264	691169	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	412035	64.52	ng	0.00
7) Phenol-d6	7.23	99	341910	36.18	ng	0.00
23) Nitrobenzene-d5	9.24	82	884084	131.41	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	488603	167.19	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	2162695	119.47	ng	0.00
78) Terphenyl-d14	20.01	244	2235507	78.37	ng	0.00

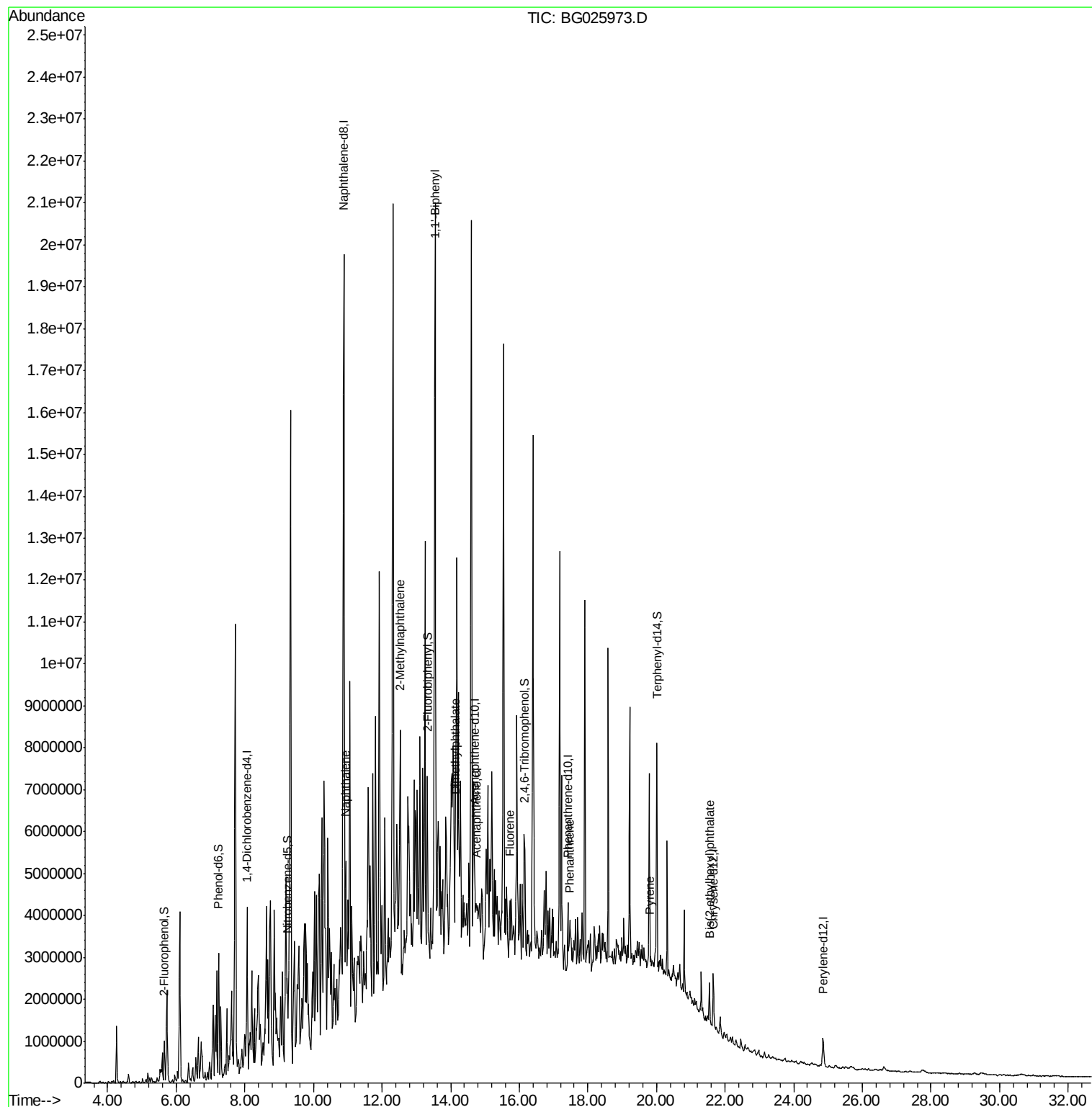
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.94	128	1691590	77.06	ng	# 93
37) 2-Methylnaphthalene	12.54	142	2484208	148.58	ng	95
45) 1,1'-Biphenyl	13.53	154	406055	17.71	ng	97
49) Dimethylphthalate	14.13	163	249055	11.48	ng	# 80
51) Acenaphthene	14.75	154	56709	2.91	ng	# 70
57) Fluorene	15.73	166	174404	7.51	ng	# 76
70) Phenanthrene	17.46	178	173264	5.04	ng	# 92
77) Pyrene	19.81	202	96270	2.19	ng	# 89
83) Bis(2-ethylhexyl)phthalate	21.55	149	392473	16.32	ng	99

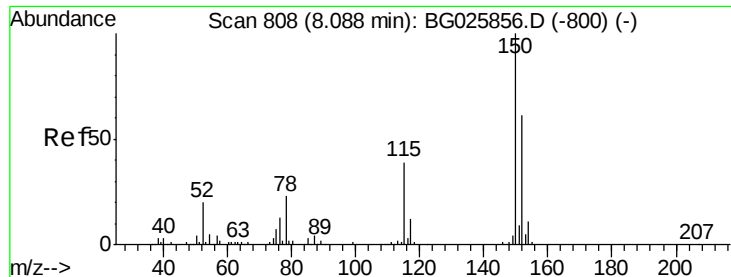
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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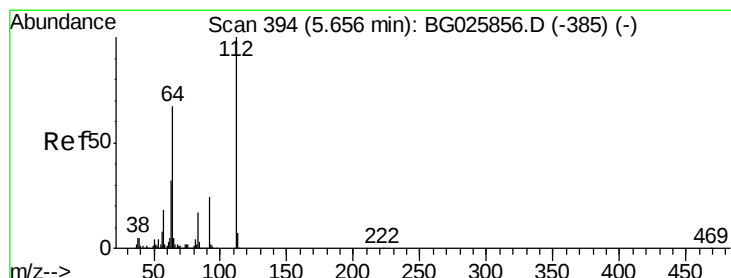
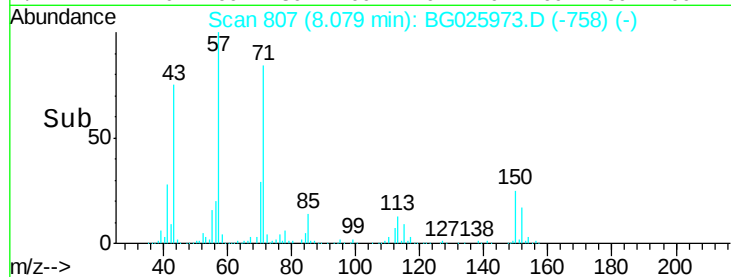
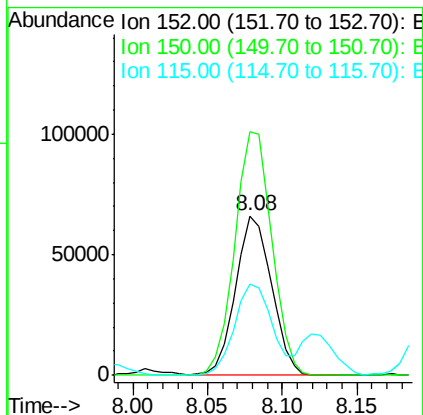
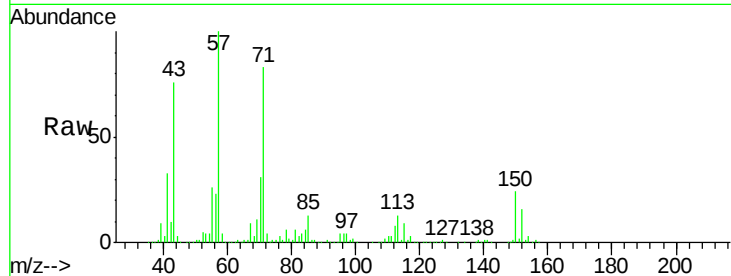


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG025973.D
Acq: 27 Feb 2017 21:09

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-A155

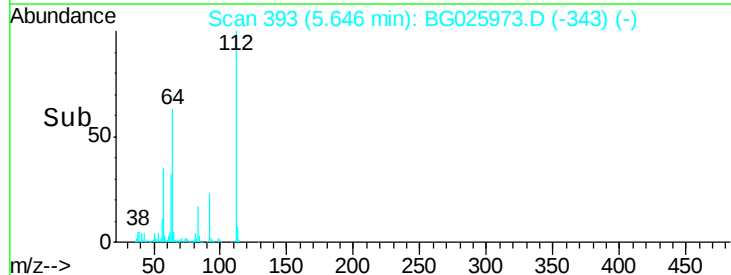
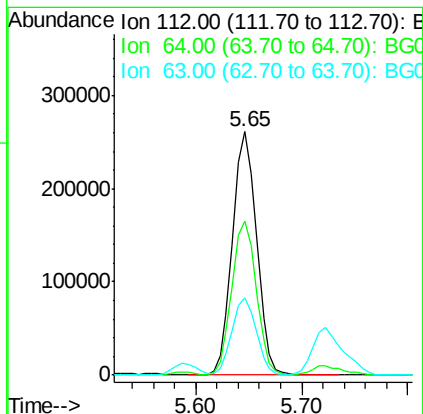
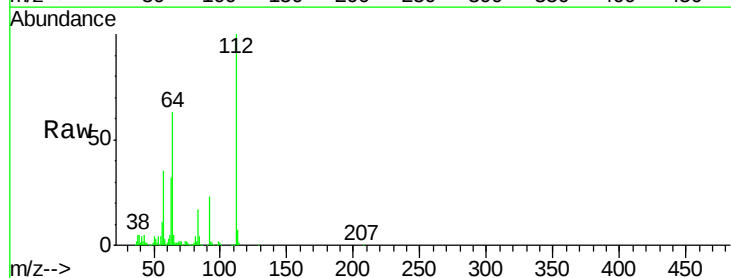
Tot Ion:152 Resp: 111186
Ion Ratio Lower Upper
152 100
150 153.0 114.0 171.0
115 57.1 48.1 72.1

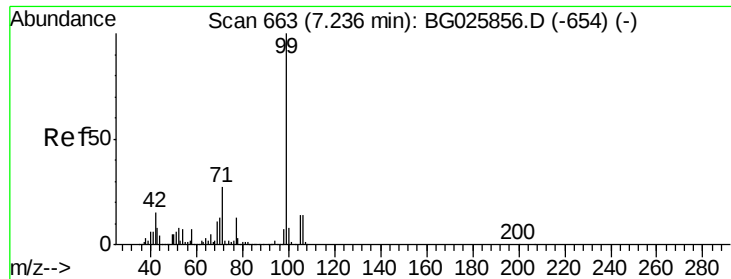


#5

2-Fluorophenol
Concen: 64.52 ng
RT: 5.65 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG025973.D
Acq: 27 Feb 2017 21:09

Tgt Ion:112 Resp: 412035
Ion Ratio Lower Upper
112 100
64 63.3 61.8 92.6
63 31.7 37.2 55.8#





#7

Phenol-d6

Concen: 36.18 ng

RT: 7.23 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A155

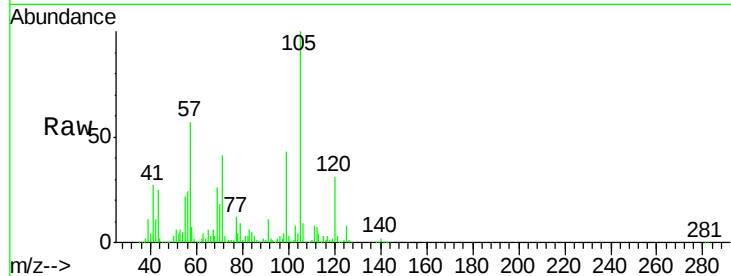
Tot Ion: 99 Resp: 341910

Ion Ratio Lower Upper

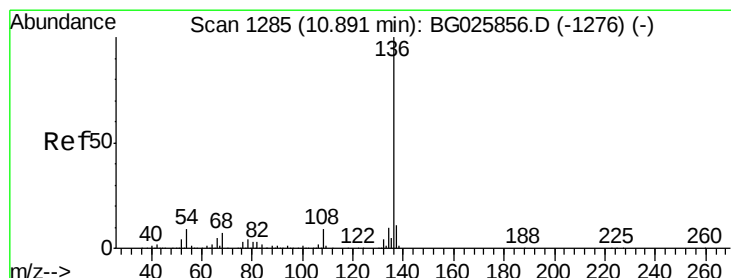
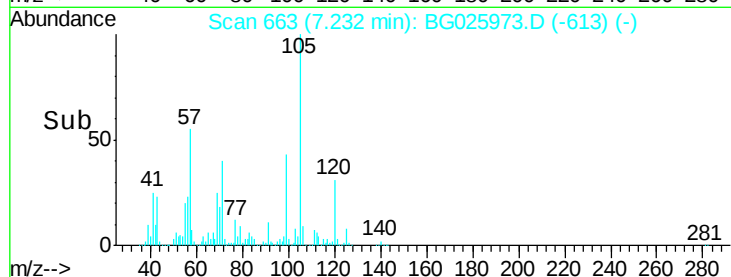
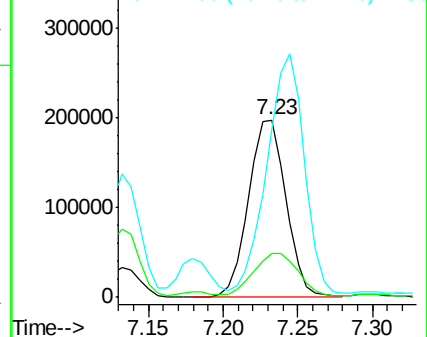
99 100

42 24.9 20.5 30.7

71 94.7 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.89 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

Tgt Ion: 136 Resp: 424584

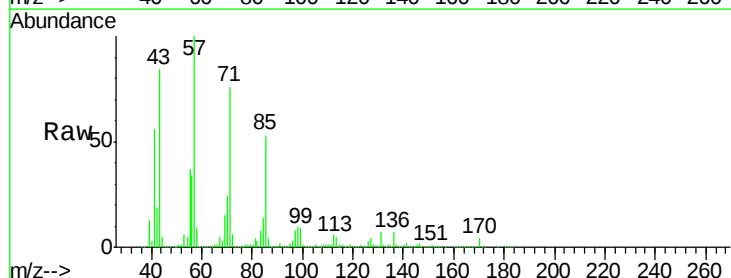
Ion Ratio Lower Upper

136 100

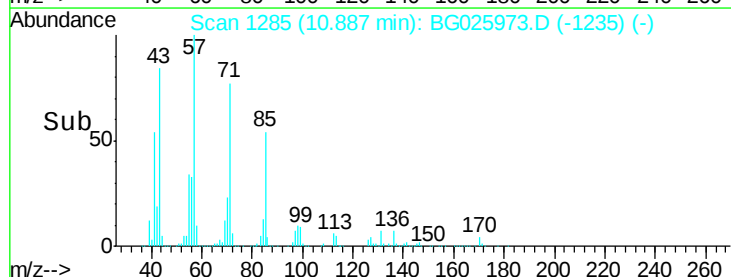
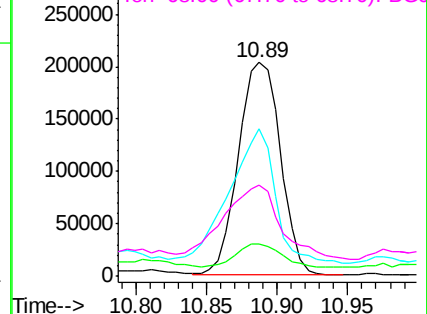
137 15.0 8.9 13.3#

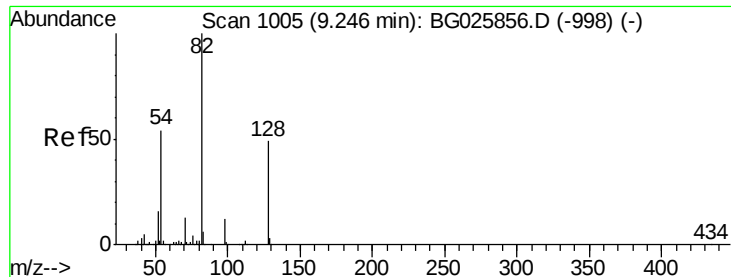
54 68.7 9.3 13.9#

68 42.6 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

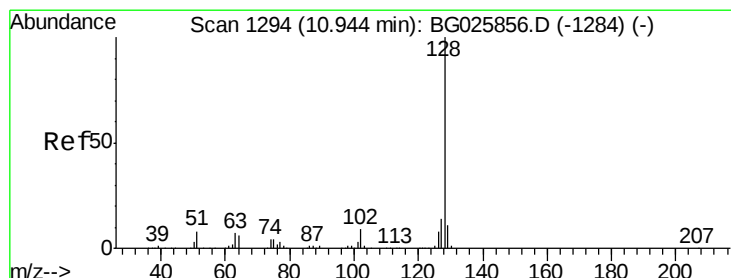
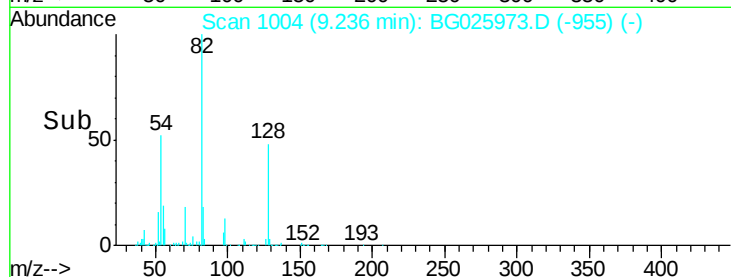
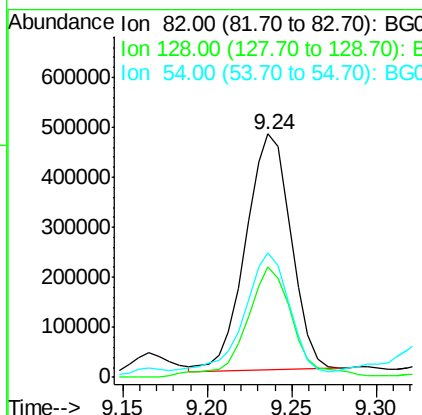
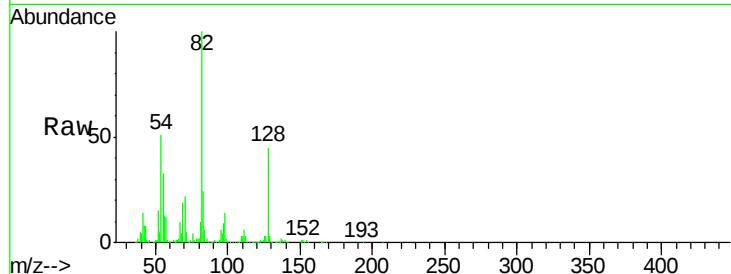




#23
 Nitrobenzene-d5
 Concen: 131.41 ng
 RT: 9.24 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BG025973.D
 Acq: 27 Feb 2017 21:09

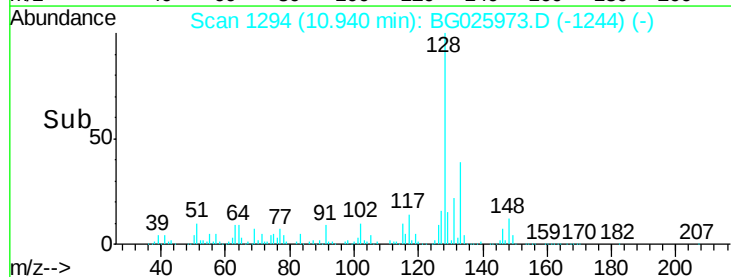
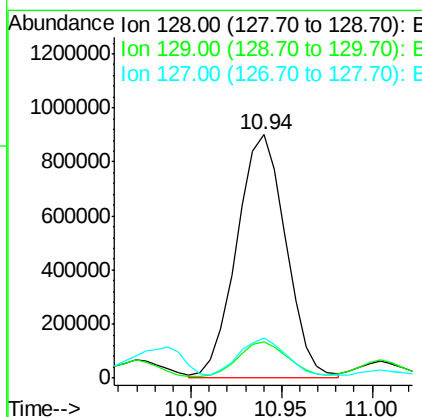
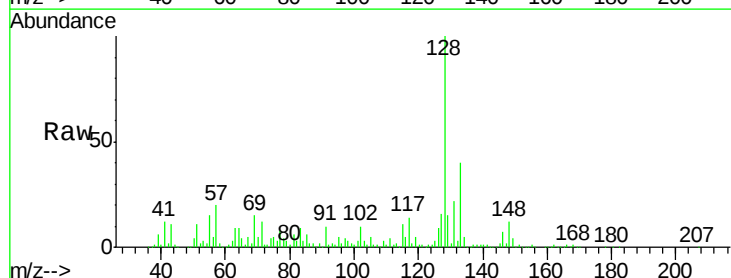
Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-A155

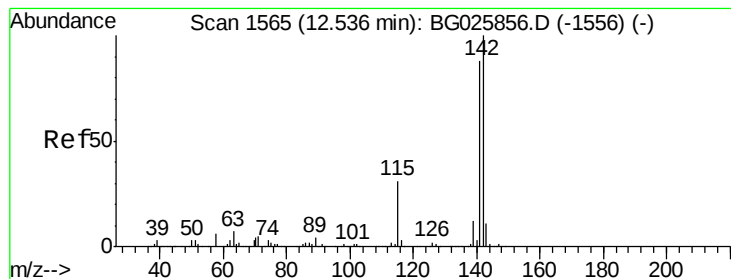
Tot Ion: 82 Resp: 884084
 Ion Ratio Lower Upper
 82 100
 128 45.2 26.4 39.6#
 54 51.0 49.4 74.2



#31
 Naphthalene
 Concen: 77.06 ng
 RT: 10.94 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: BG025973.D
 Acq: 27 Feb 2017 21:09

Tgt Ion: 128 Resp: 1691590
 Ion Ratio Lower Upper
 128 100
 129 14.9 9.3 13.9#
 127 16.2 11.4 17.0





#37

2-Methylnaphthalene

Concen: 148.58 ng

RT: 12.54 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A155

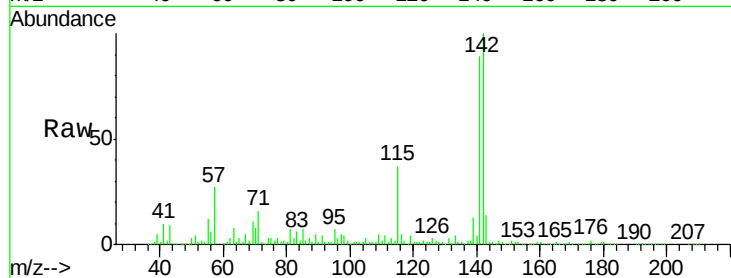
Tot Ion:142 Resp: 2484208

Ion Ratio Lower Upper

142 100

141 89.3 70.4 105.6

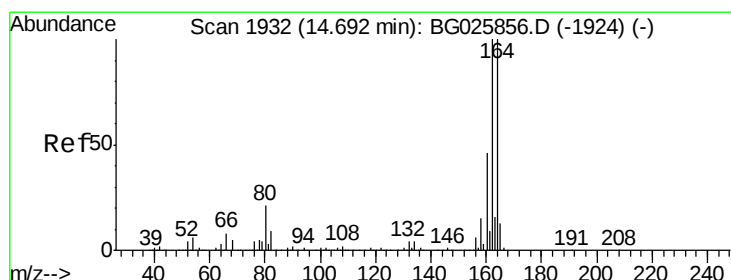
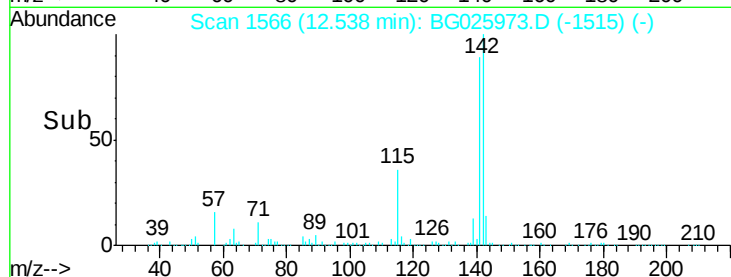
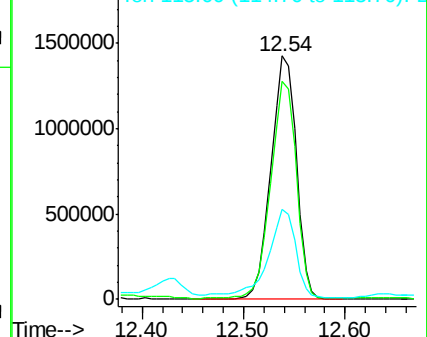
115 37.0 35.5 53.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

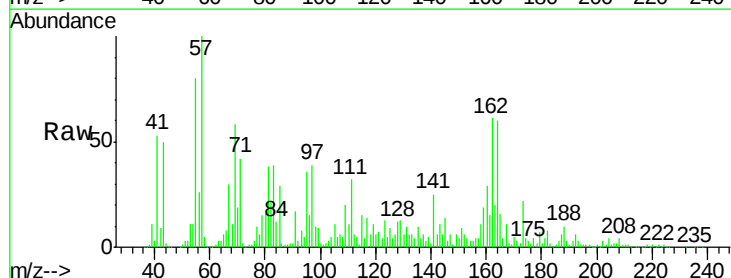
Tgt Ion:164 Resp: 316321

Ion Ratio Lower Upper

164 100

162 101.0 85.1 127.7

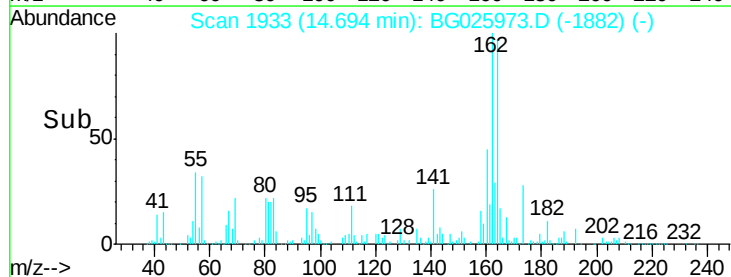
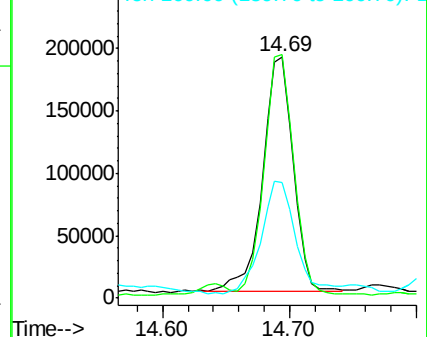
160 47.9 34.7 52.1

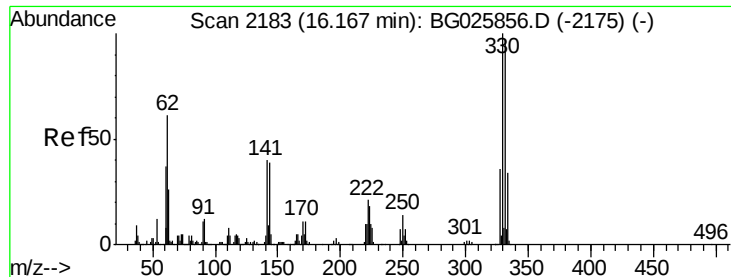


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

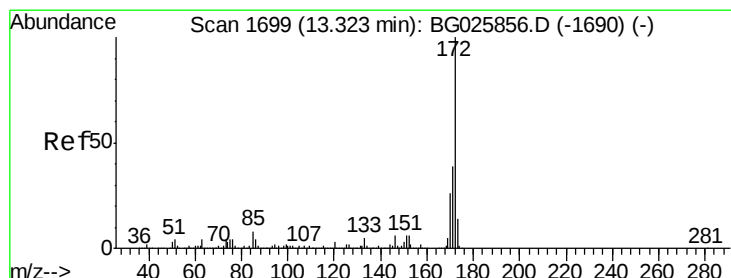
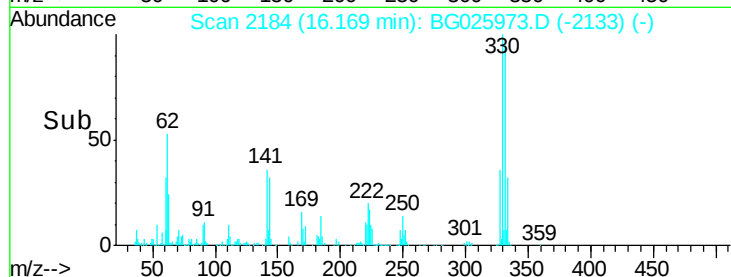
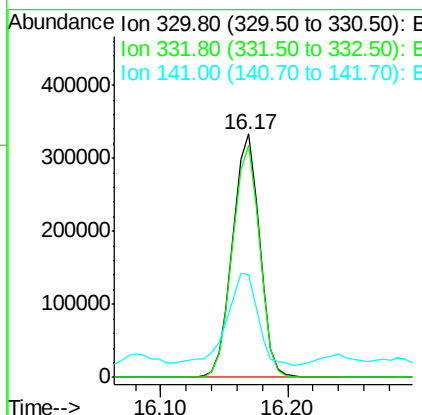
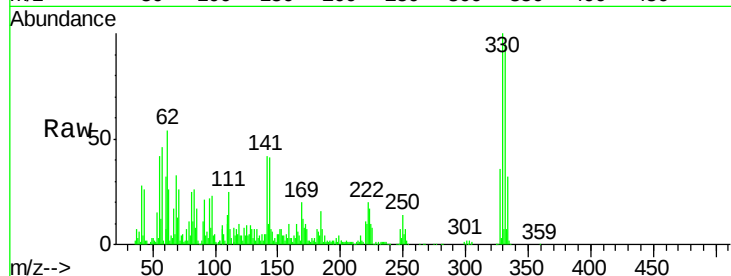




#41
 2,4,6-Tribromophenol
 Concen: 167.19 ng
 RT: 16.17 min Scan# 2184
 Delta R.T. 0.00 min
 Lab File: BG025973.D
 Acq: 27 Feb 2017 21:09

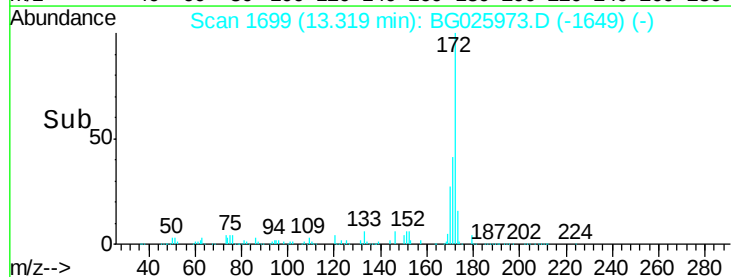
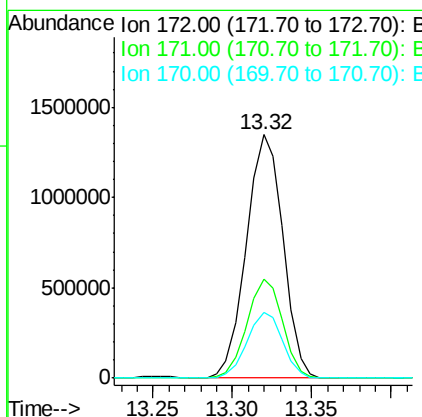
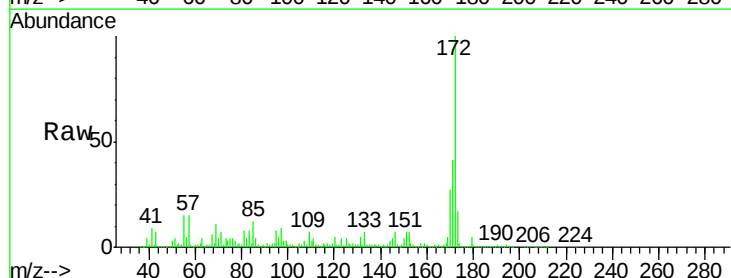
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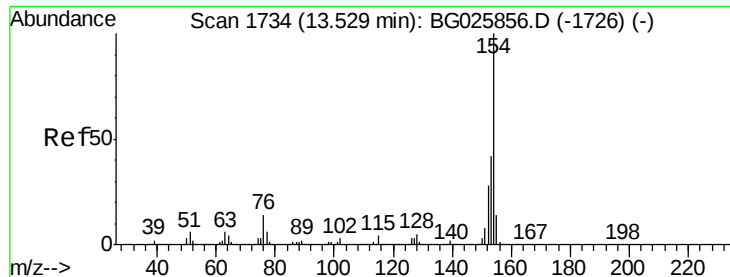
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	44.4	32.1	48.1



#44
 2-Fluorobiphenyl
 Concen: 119.47 ng
 RT: 13.32 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG025973.D
 Acq: 27 Feb 2017 21:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.9	32.2	48.2
170	27.1	21.8	32.6

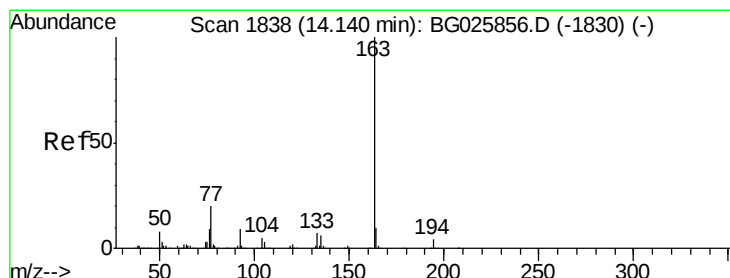
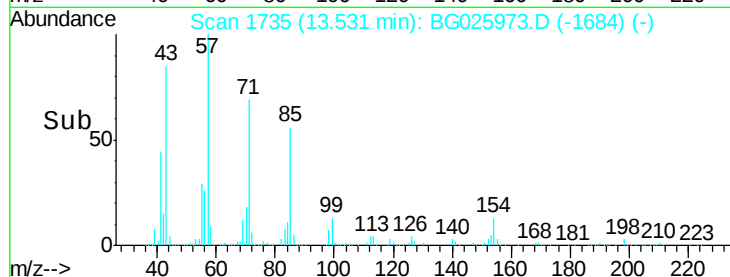
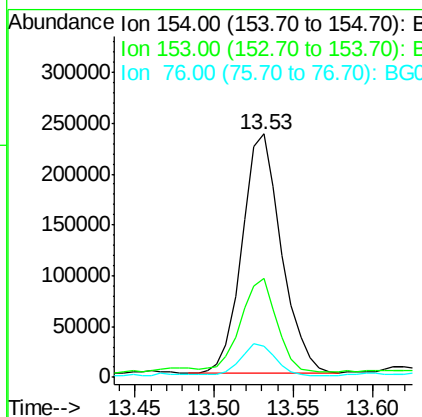
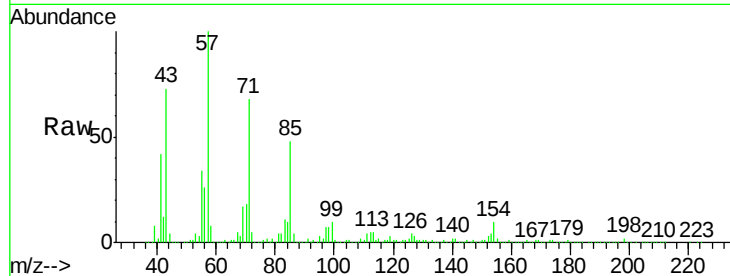




#45
1,1'-Biphenyl
Concen: 17.71 ng
RT: 13.53 min Scan# 1735
Delta R.T. 0.00 min
Lab File: BG025973.D
Acq: 27 Feb 2017 21:09

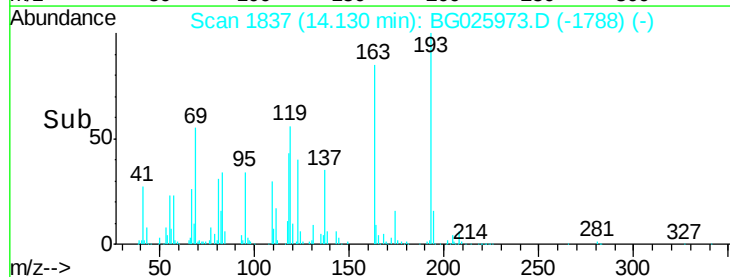
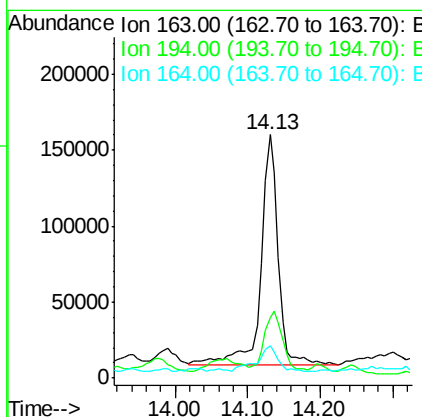
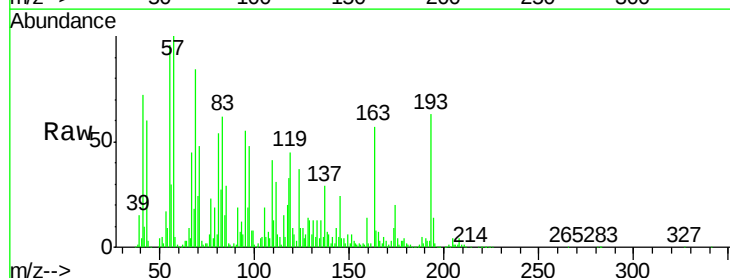
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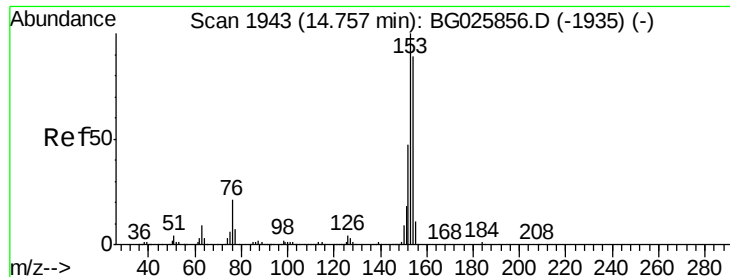
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	23.0	63.0
76	13.0	0.0	33.5



#49
Dimethylphthalate
Concen: 11.48 ng
RT: 14.13 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BG025973.D
Acq: 27 Feb 2017 21:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	24.7	3.8	5.6#
164	13.3	9.3	13.9





#51

Acenaphthene

Concen: 2.91 ng

RT: 14.75 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A155

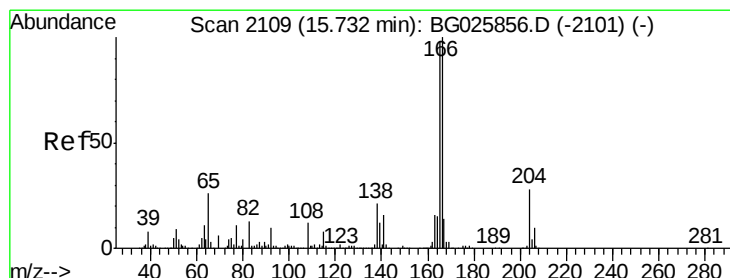
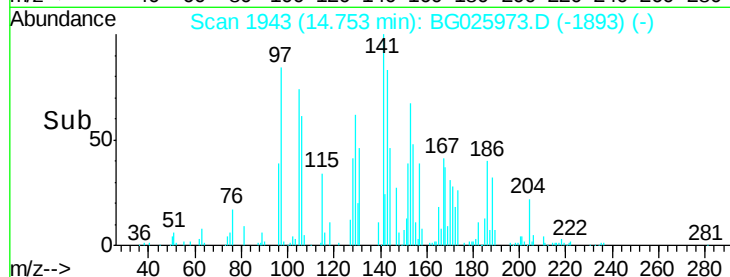
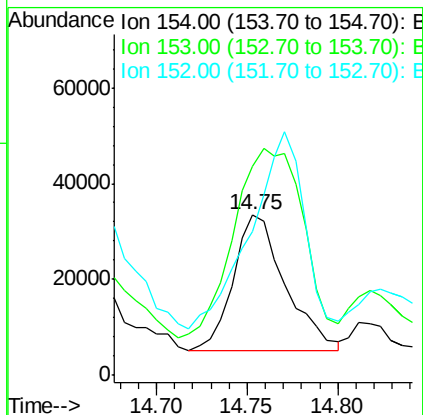
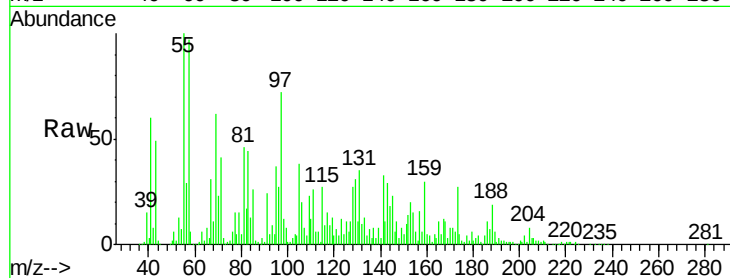
Tot Ion:154 Resp: 56709

Ion Ratio Lower Upper

154 100

153 130.3 87.8 131.6

152 89.6 42.2 63.4#



#57

Fluorene

Concen: 7.51 ng

RT: 15.73 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

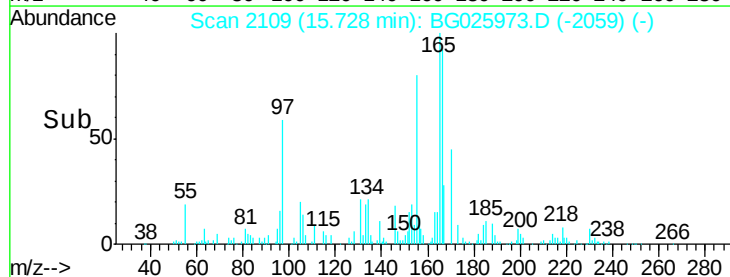
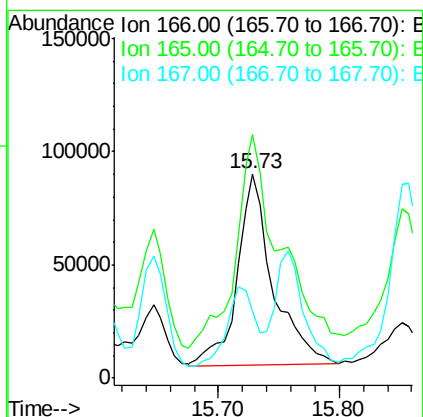
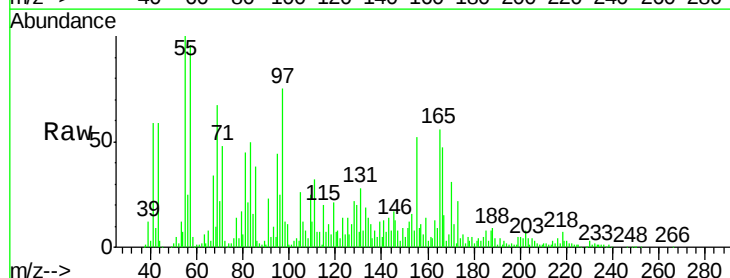
Tgt Ion:166 Resp: 174404

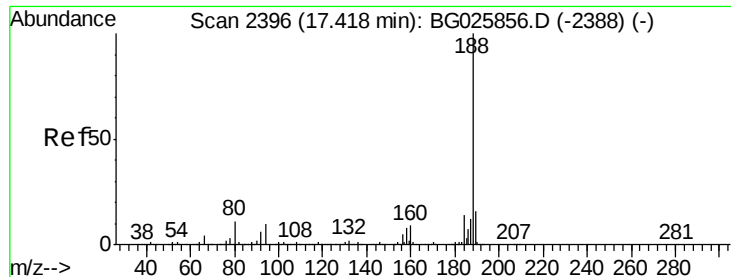
Ion Ratio Lower Upper

166 100

165 119.3 78.6 117.8#

167 33.0 11.6 17.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.41 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A155

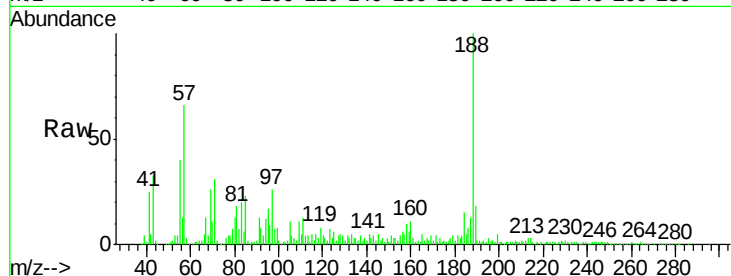
Tot Ion:188 Resp: 633546

Ion Ratio Lower Upper

188 100

94 12.1 5.8 8.8#

80 12.9 7.5 11.3#

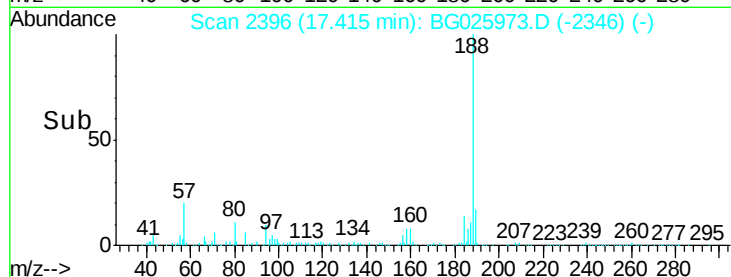


Abundance Ion 188.00 (187.70 to 188.70): E

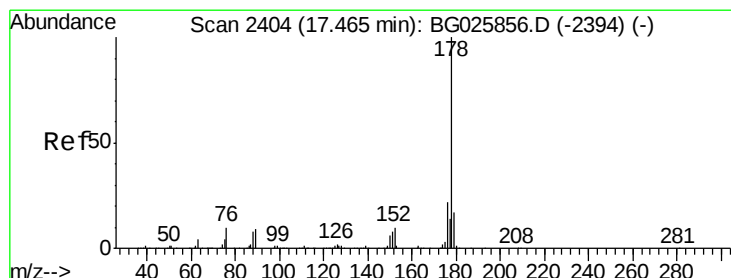
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#70

Phenanthrene

Concen: 5.04 ng

RT: 17.46 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

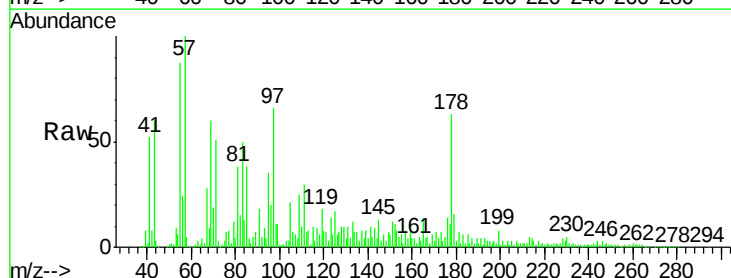
Tgt Ion:178 Resp: 173264

Ion Ratio Lower Upper

178 100

176 21.6 17.7 26.5

179 25.8 15.0 22.6#

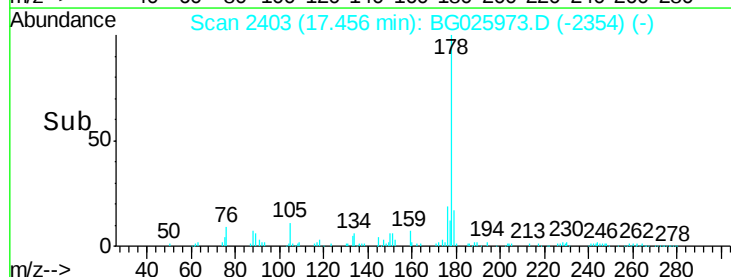


Abundance Ion 178.00 (177.70 to 178.70): E

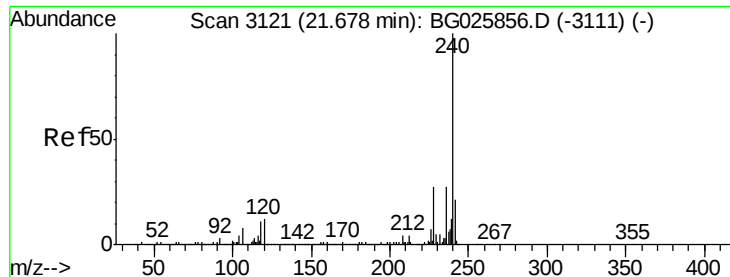
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.66 min Scan# 3118

Delta R.T. -0.02 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A155

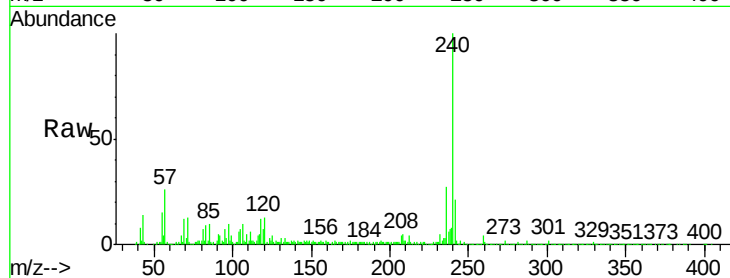
Tot Ion:240 Resp: 693745

Ion Ratio Lower Upper

240 100

120 12.7 5.7 8.5#

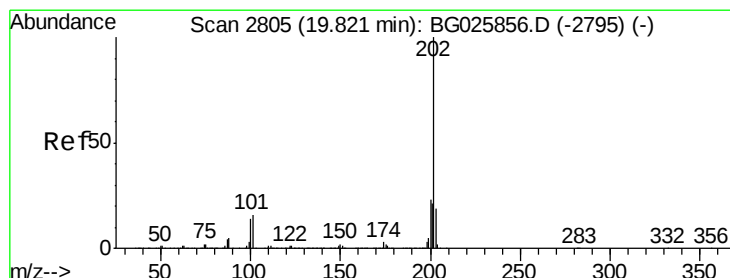
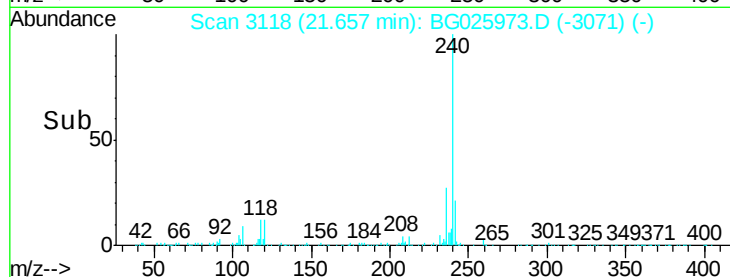
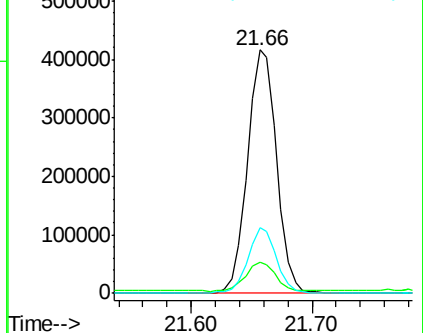
236 27.2 22.2 33.4



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: 2.19 ng

RT: 19.81 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

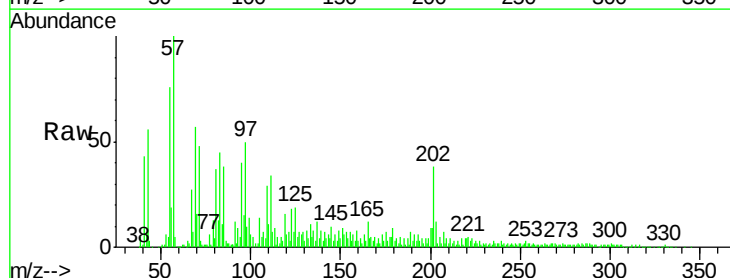
Tgt Ion:202 Resp: 96270

Ion Ratio Lower Upper

202 100

200 25.0 19.6 29.4

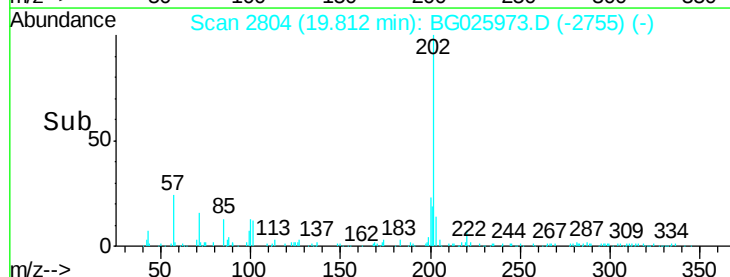
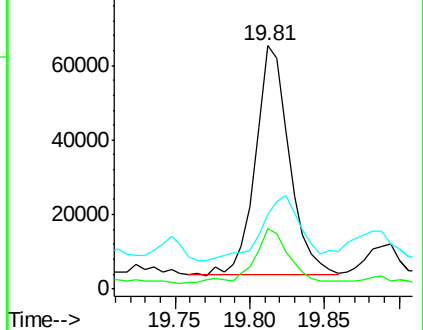
203 30.9 15.8 23.8#

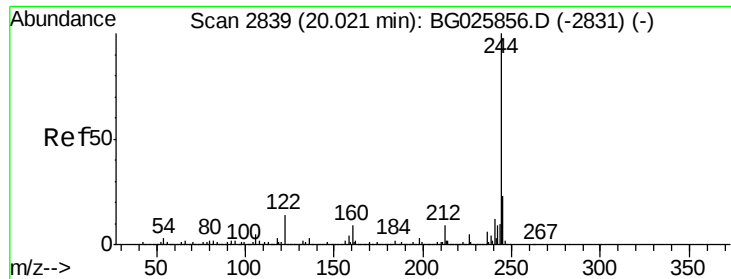


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.37 ng

RT: 20.01 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-A155

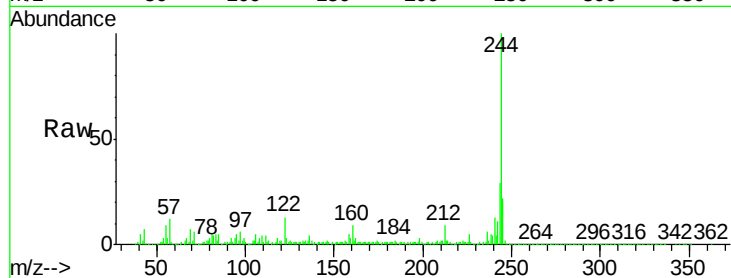
Tot Ion:244 Resp: 2235507

Ion Ratio Lower Upper

244 100

212 8.9 10.0 15.0#

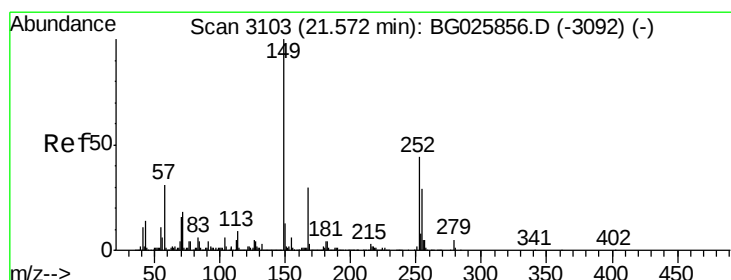
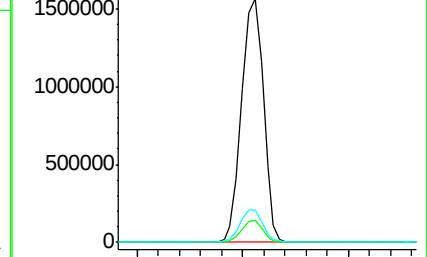
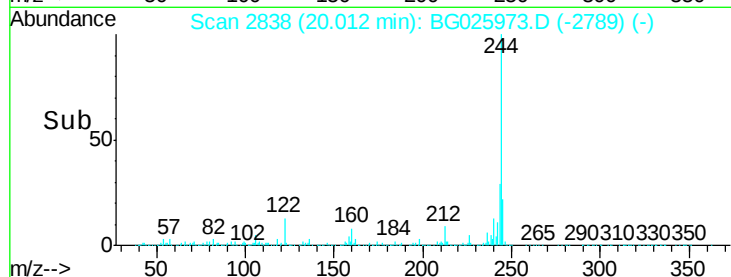
122 13.2 8.6 12.8#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 16.32 ng

RT: 21.55 min Scan# 3099

Delta R.T. -0.03 min

Lab File: BG025973.D

Acq: 27 Feb 2017 21:09

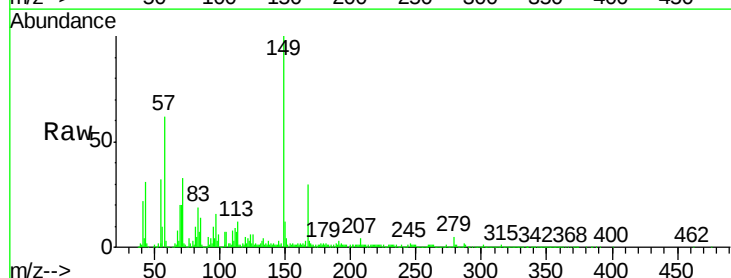
Tgt Ion:149 Resp: 392473

Ion Ratio Lower Upper

149 100

167 30.1 23.7 35.5

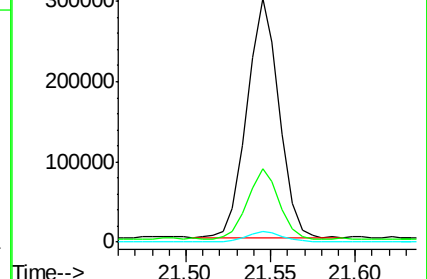
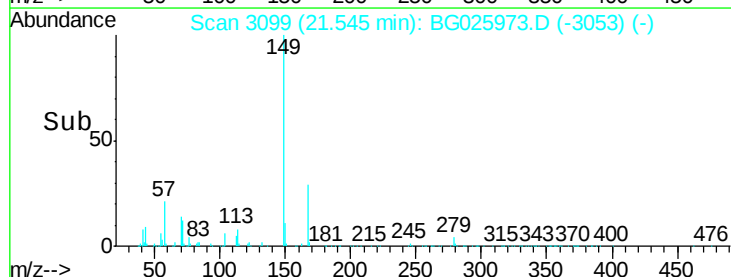
279 4.6 4.6 6.8

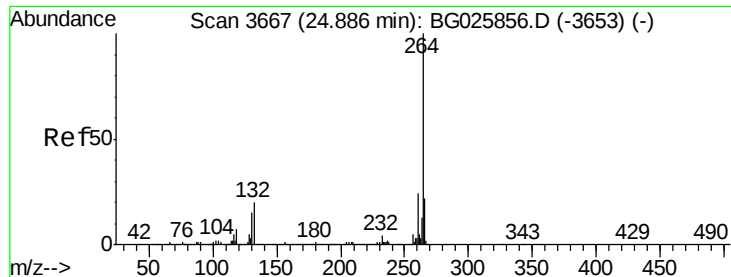


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.85 min Scan# 3662
 Delta R.T. -0.03 min
 Lab File: BG025973.D
 Acq: 27 Feb 2017 21:09

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-A155

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.8	32.8
265	22.3	18.2	27.4

