

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092117\
 Data File : BG028872.D
 Acq On : 22 Sep 2017 00:22
 Operator : SJ/JU
 Sample : I5331-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 22 02:47:19 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

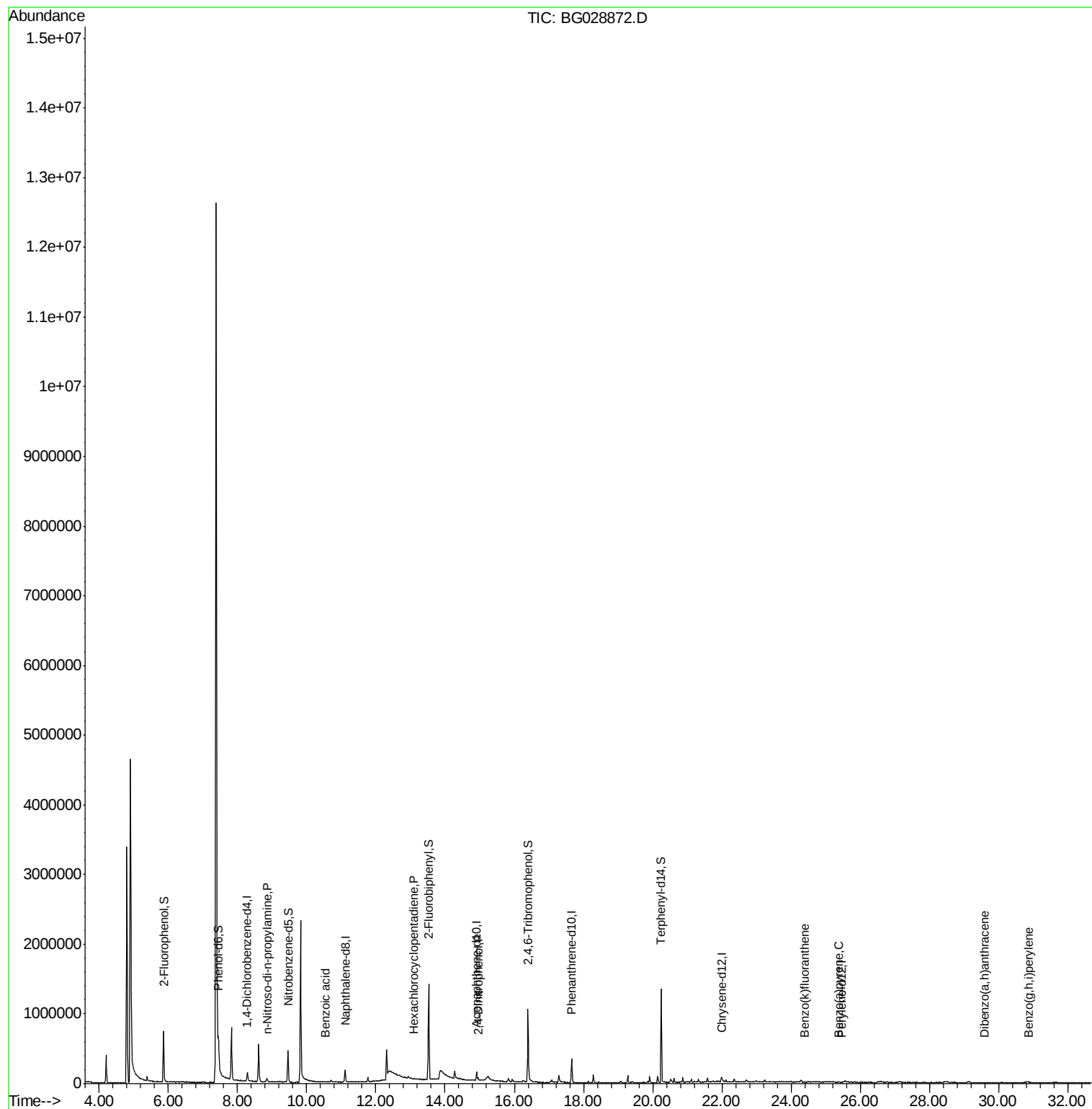
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	35620	20.00	ng	-0.05
21) Naphthalene-d8	11.11	136	147358	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	30601	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	192586	20.00	ng	-0.04
75) Chrysene-d12	21.99	240	40043	20.00	ng	-0.05
86) Perylene-d12	25.47	264	525	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	318304	147.45	ng	-0.04
7) Phenol-d6	7.45	99	166732	51.30	ng	-0.04
23) Nitrobenzene-d5	9.46	82	289845	94.09	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	251049	496.02	ng	-0.04
44) 2-Fluorobiphenyl	13.53	172	728356	317.38	ng	-0.04
78) Terphenyl-d14	20.25	244	412313	219.59	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.85	70	4659	2.02	ng	# 76
32) Benzoic acid	10.55	122	77	6.12	ng	# 24
40) Hexachlorocyclopentadiene	13.09	237	55	7.70	ng	# 29
53) 2,4-Dinitrophenol	14.97	184	103	8.31	ng	# 15
88) Benzo(k)fluoranthene	24.39	252	93	2.96	ng	# 26
89) Benzo(a)pyrene	25.37	252	66	2.21	ng	# 58
90) Dibenzo(a,h)anthracene	29.58	278	80	2.57	ng	# 58
91) Benzo(g,h,i)perylene	30.88	276	71	2.34	ng	# 59

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.28 min Scan# 799

Delta R.T. -0.05 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

Instrument :

BNA_G

ClientSampled :

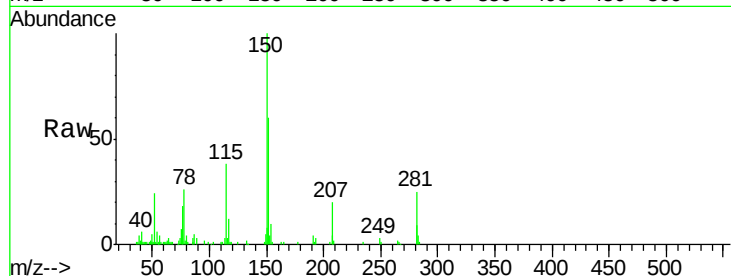
Tot Ion:152 Resp: 35620

Ion Ratio Lower Upper

152 100

150 167.4 114.0 171.0

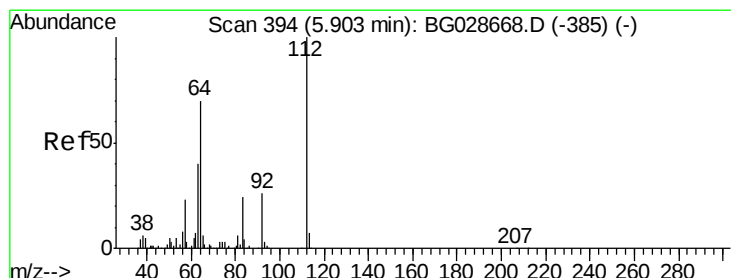
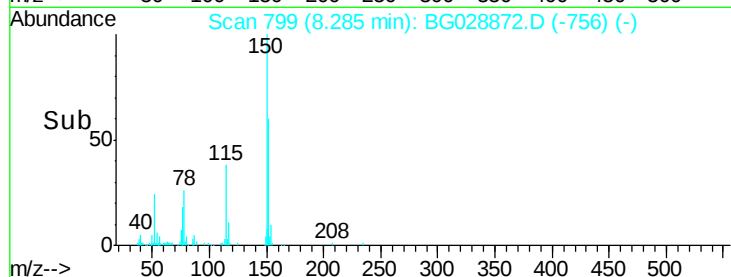
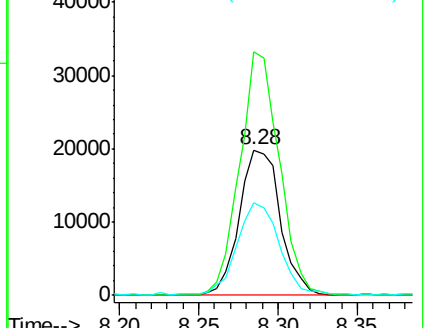
115 63.7 48.1 72.1



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: 147.45 ng

RT: 5.86 min Scan# 387

Delta R.T. -0.04 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

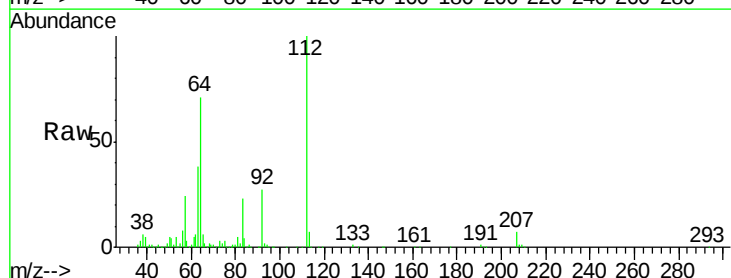
Tgt Ion:112 Resp: 318304

Ion Ratio Lower Upper

112 100

64 71.0 61.8 92.6

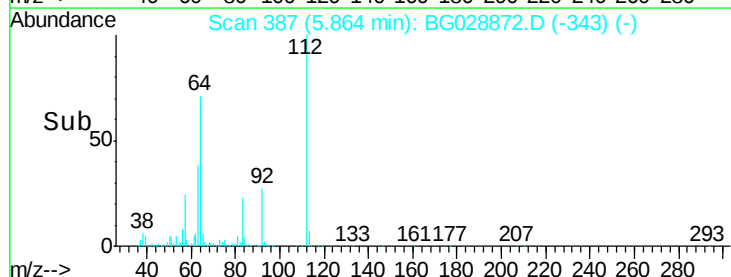
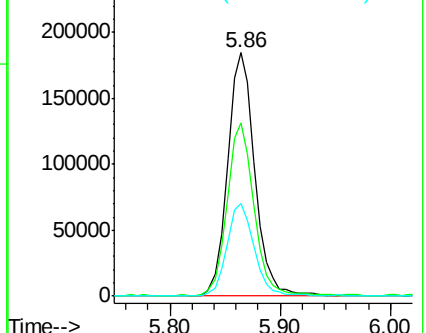
63 38.1 37.2 55.8

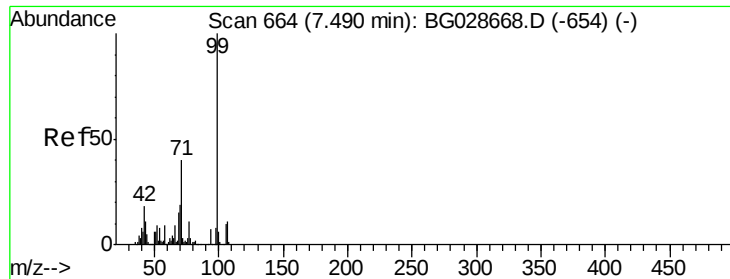


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 51.30 ng

RT: 7.45 min Scan# 657

Delta R.T. -0.04 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

Instrument :

BNA_G

ClientSampleId :

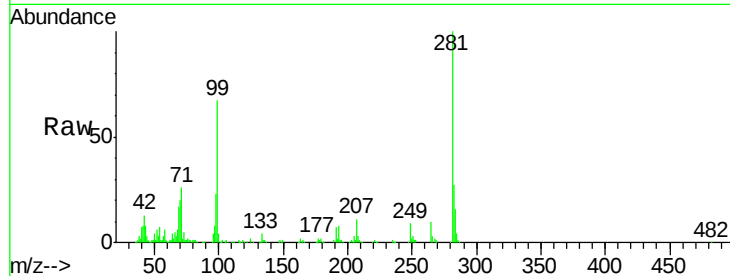
Tot Ion: 99 Resp: 166732

Ion Ratio Lower Upper

99 100

42 19.7 20.5 30.7#

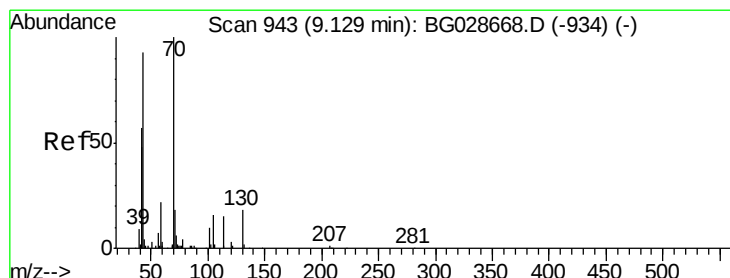
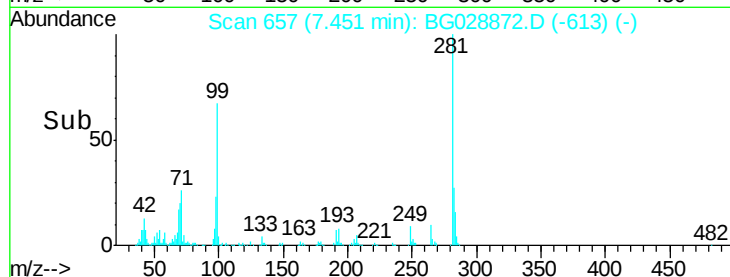
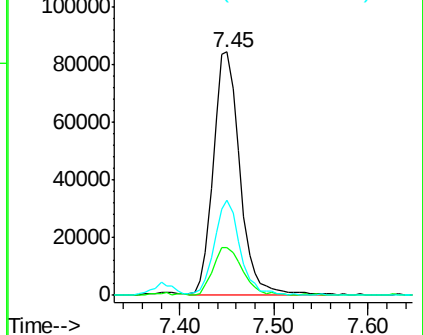
71 39.1 37.6 56.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.02 ng

RT: 8.85 min Scan# 896

Delta R.T. -0.27 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

Tgt Ion: 70 Resp: 4659

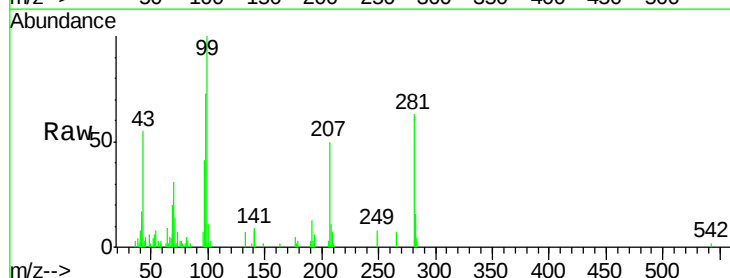
Ion Ratio Lower Upper

70 100

42 54.3 56.1 84.1#

101 0.0 7.5 11.3#

130 0.0 14.6 21.8#

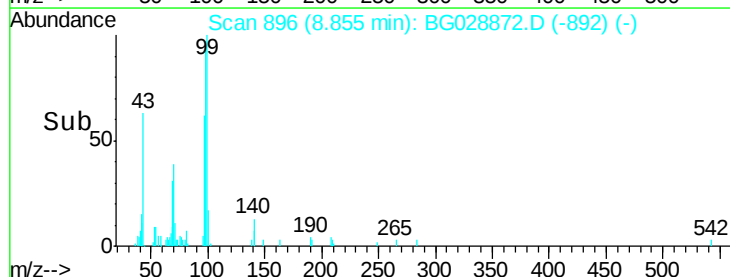
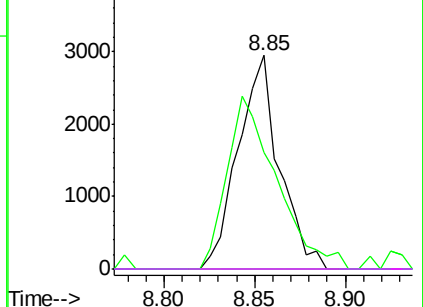


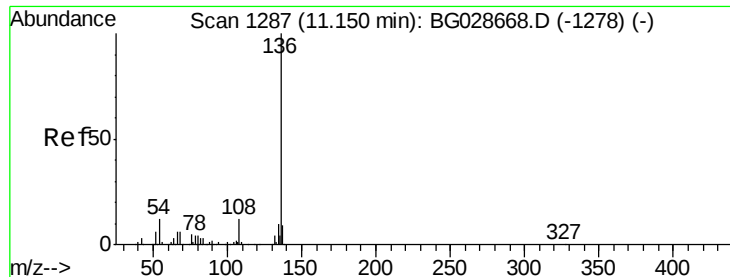
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

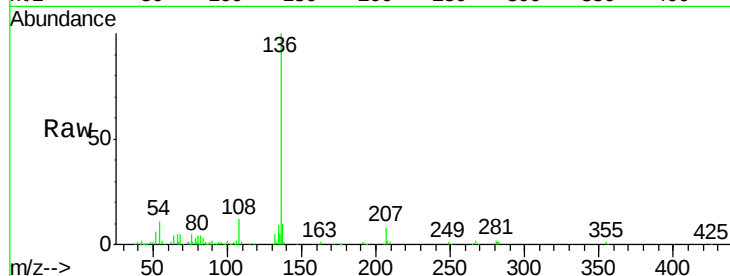




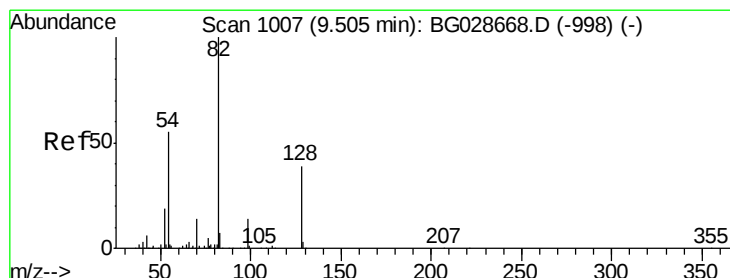
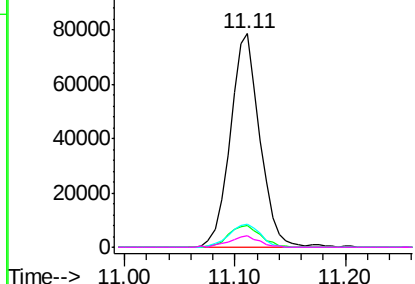
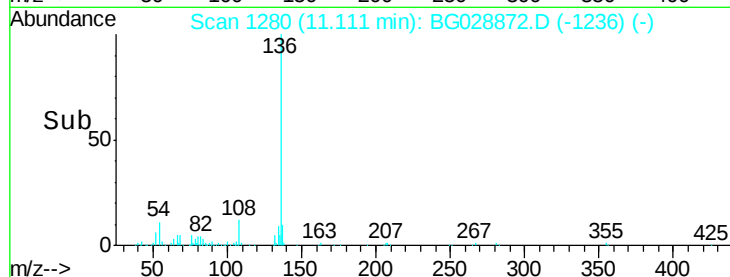
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	147358
Ion Ratio	Lower	Upper
136 100		
137 10.3	8.9	13.3
54 10.7	9.3	13.9
68 5.3	5.1	7.7

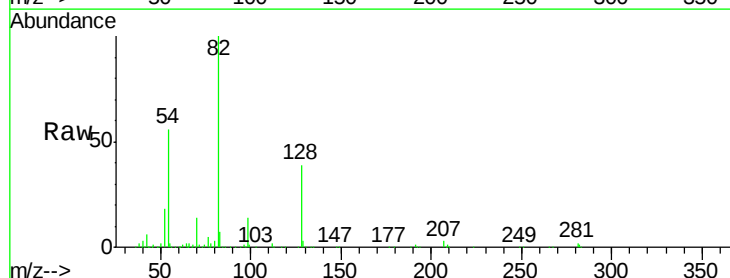


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

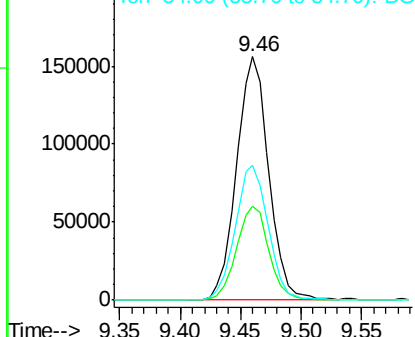
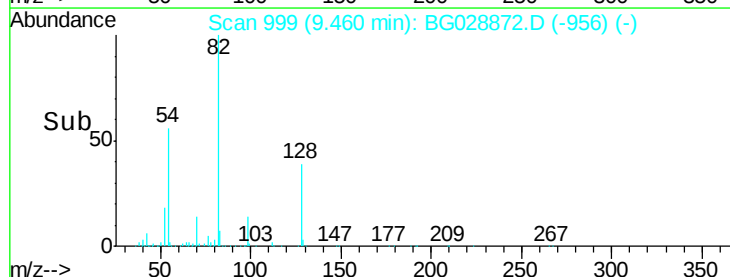


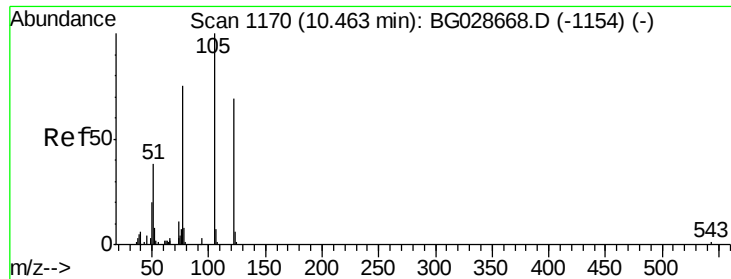
#23
Nitrobenzene-d5
Concen: 94.09 ng
RT: 9.46 min Scan# 999
Delta R.T. -0.05 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Tgt	Ion: 82	Resp:	289845
Ion	Ratio	Lower	Upper
82	100		
128	38.7	26.4	39.6
54	55.6	49.4	74.2



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B

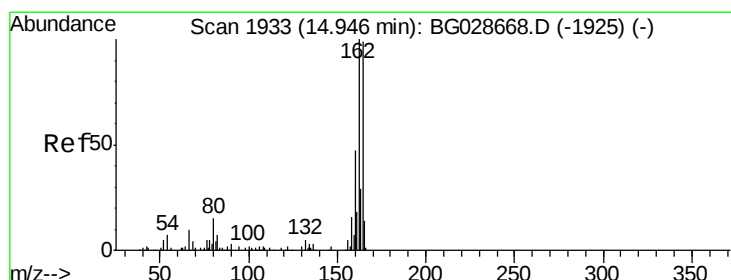
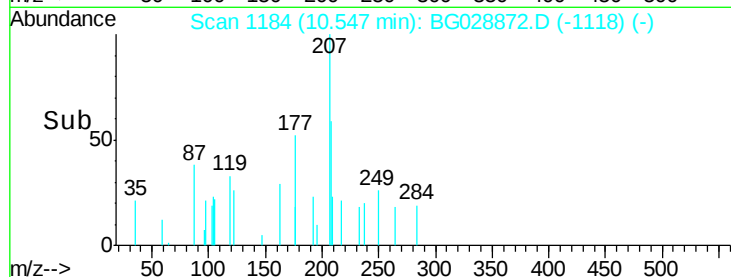
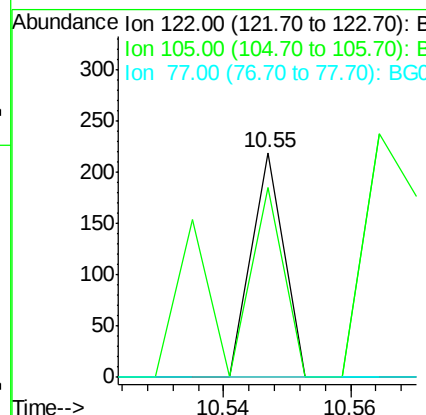
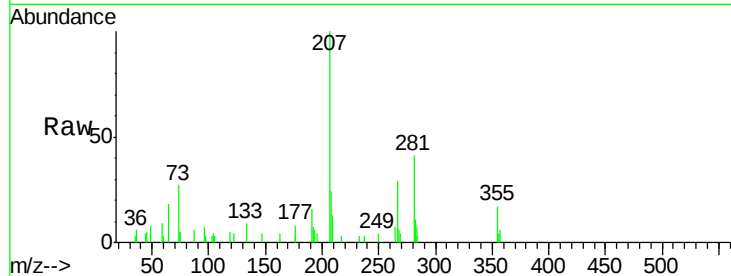




#32
Benzoic acid
Concen: 6.12 ng
RT: 10.55 min Scan# 1184
Delta R.T. 0.08 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

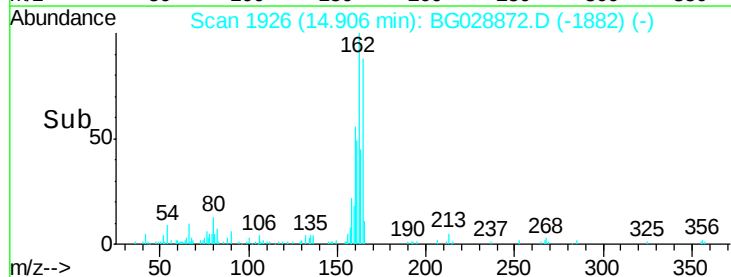
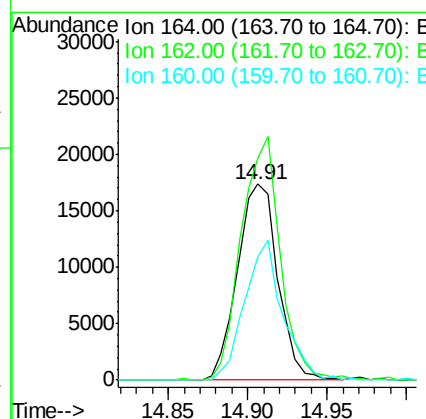
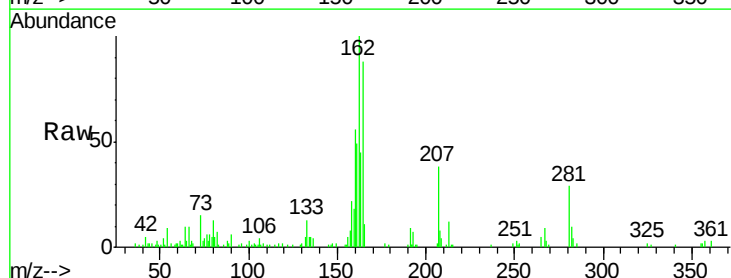
Instrument :
BNA_G
ClientSampleId :

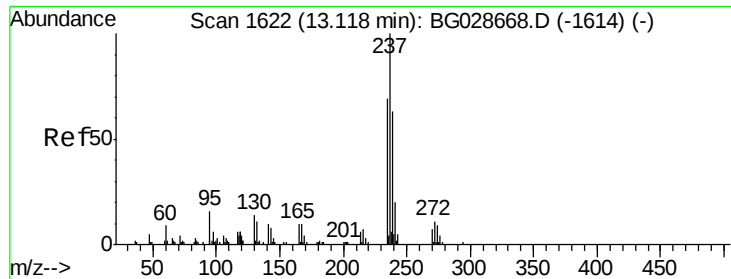
Tot Ion:122 Resp: 77
Ion Ratio Lower Upper
122 100
105 84.5 120.1 160.1#
77 0.0 104.6 144.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.91 min Scan# 1926
Delta R.T. -0.04 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Tgt Ion:164 Resp: 30601
Ion Ratio Lower Upper
164 100
162 113.2 85.1 127.7
160 62.9 34.7 52.1#

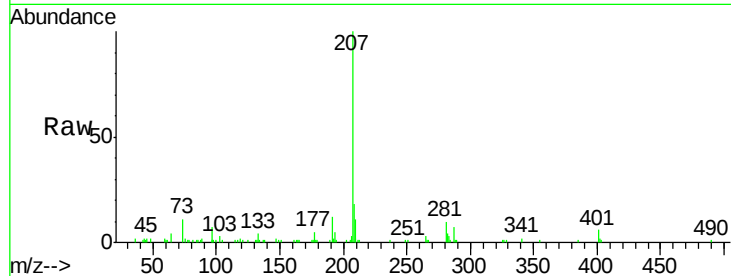




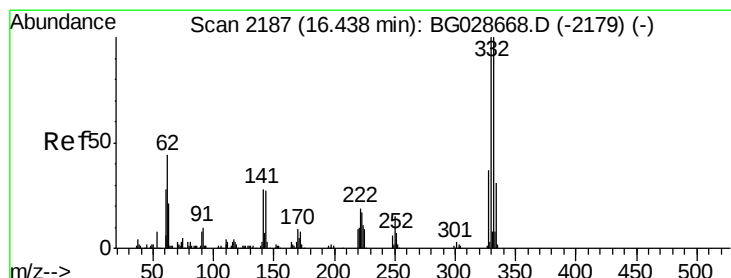
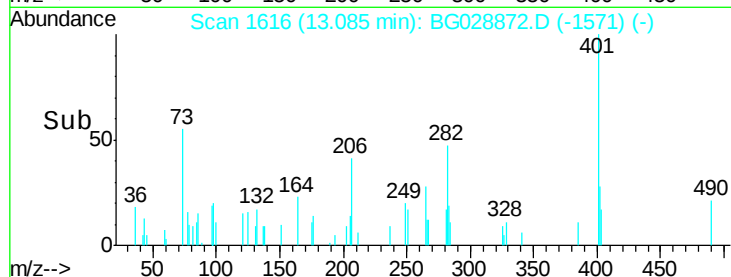
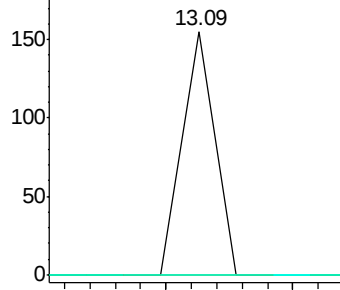
#40
Hexachlorocyclopentadiene
Concen: 7.70 ng
RT: 13.09 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
237	100		
235	0.0	39.4	79.4#
272	0.0	0.0	32.0

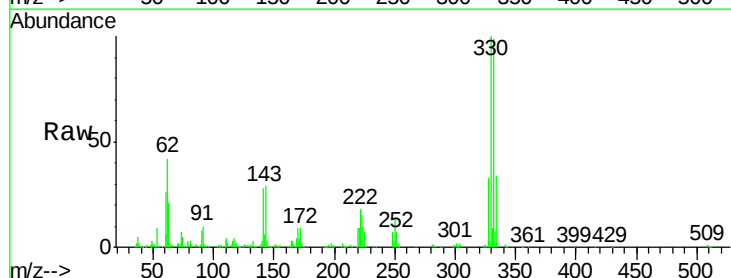


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

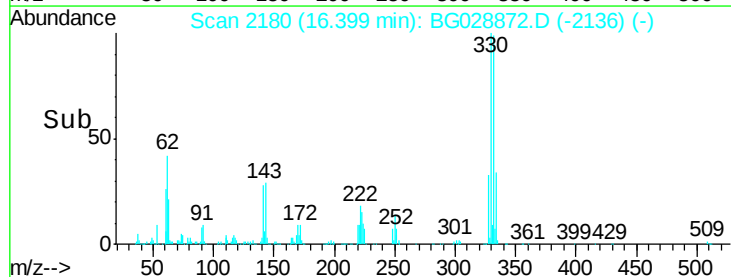
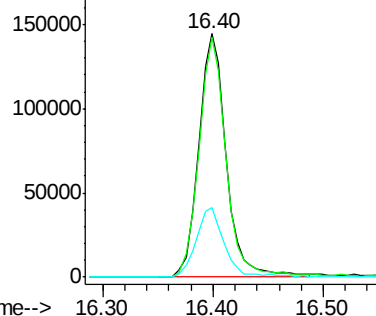


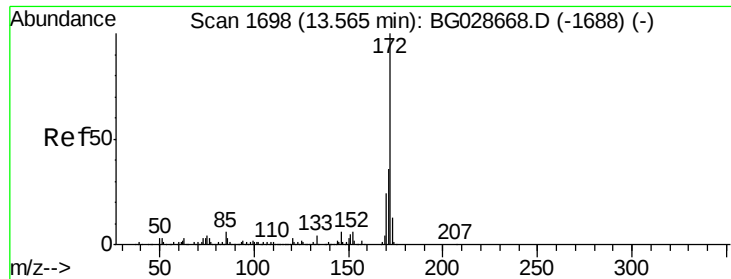
#41
2,4,6-Tribromophenol
Concen: 496.02 ng
RT: 16.40 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.3	115.9
141	29.5	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

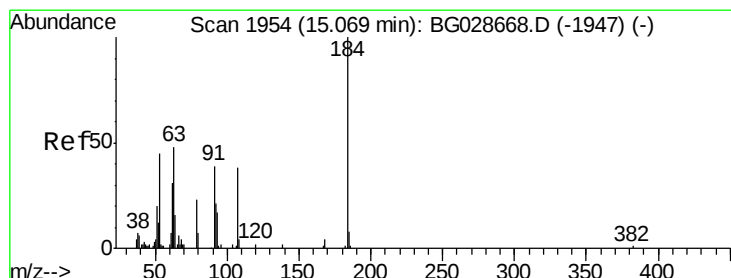
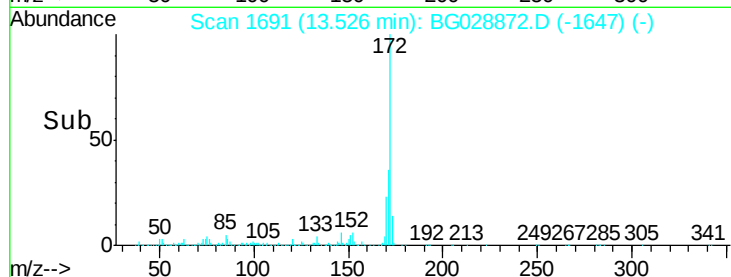
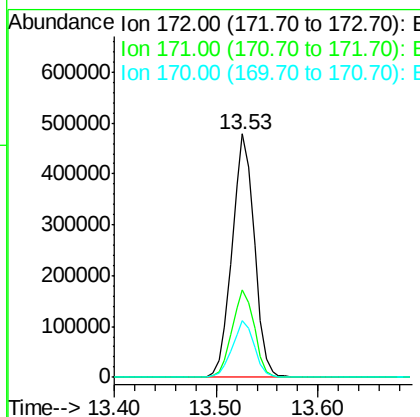
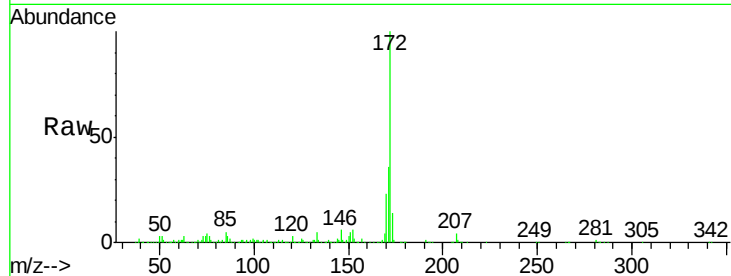




#44
2-Fluorobiphenyl
Concen: 317.38 ng
RT: 13.53 min Scan# 1691
Delta R.T. -0.04 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

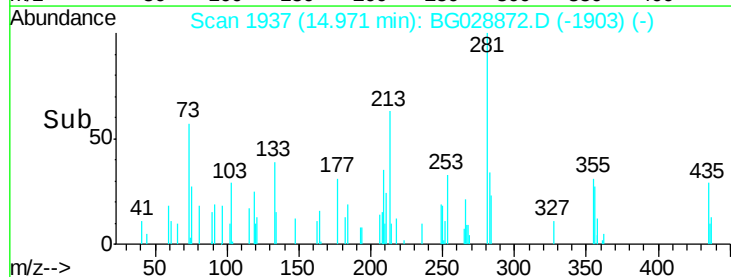
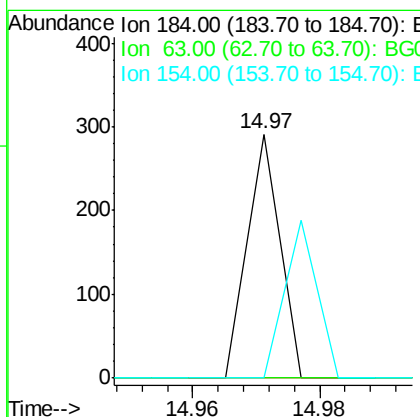
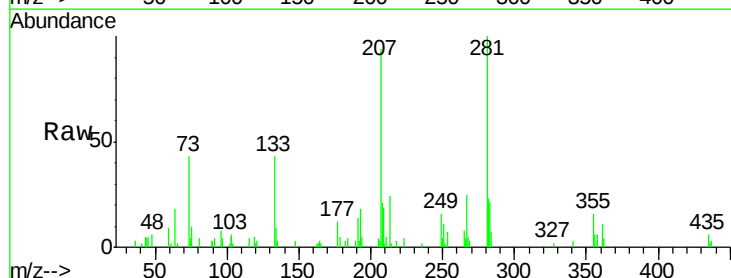
Instrument :
BNA_G
ClientSampleId :

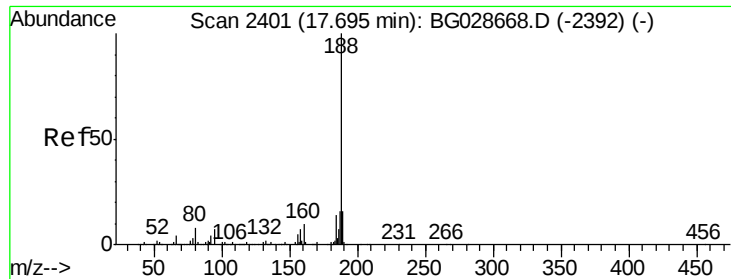
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	32.2	48.2
170	23.4	21.8	32.6



#53
2,4-Dinitrophenol
Concen: 8.31 ng
RT: 14.97 min Scan# 1937
Delta R.T. -0.10 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	52.7	79.1#
154	0.0	57.3	85.9#

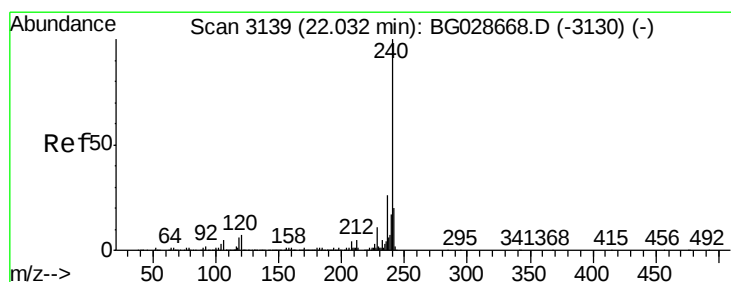
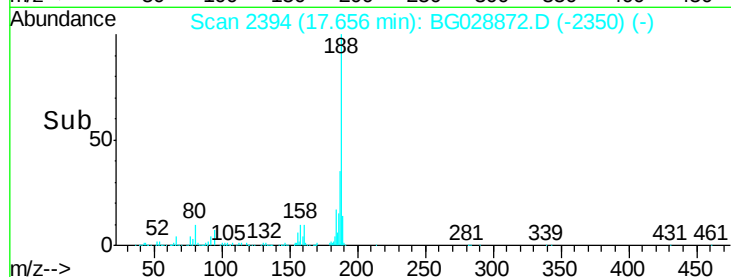
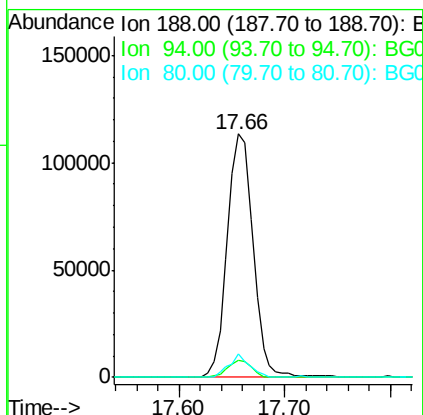
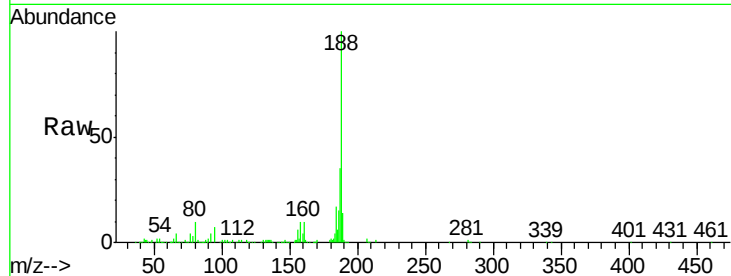




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.66 min Scan# 2394
Delta R.T. -0.04 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

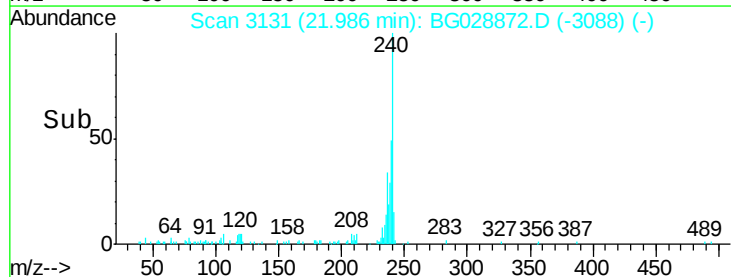
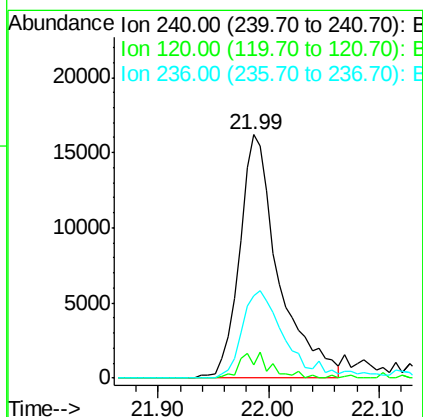
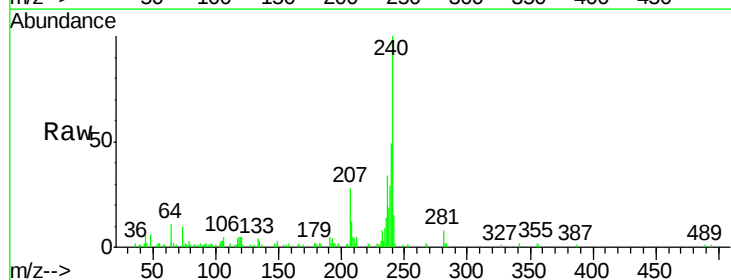
Instrument :
BNA_G
ClientSampleId :

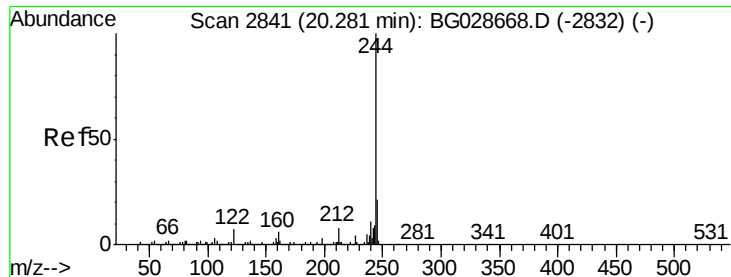
Tot Ion:188 Resp: 192586
Ion Ratio Lower Upper
188 100
94 7.0 5.8 8.8
80 9.7 7.5 11.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.99 min Scan# 3131
Delta R.T. -0.05 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Tgt Ion:240 Resp: 40043
Ion Ratio Lower Upper
240 100
120 5.2 5.7 8.5#
236 33.8 22.2 33.4#





#78

Terphenyl-d14

Concen: 219.59 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

Instrument :

BNA_G

ClientSampleId :

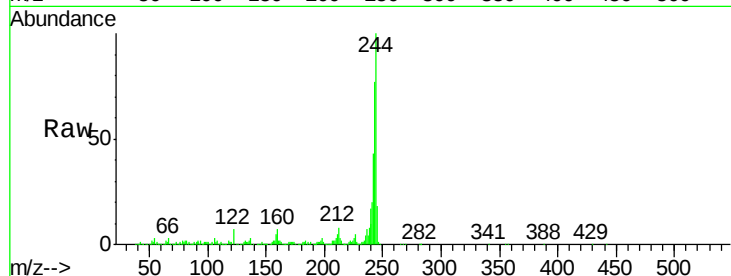
Tot Ion:244 Resp: 412313

Ion Ratio Lower Upper

244 100

212 8.5 10.0 15.0#

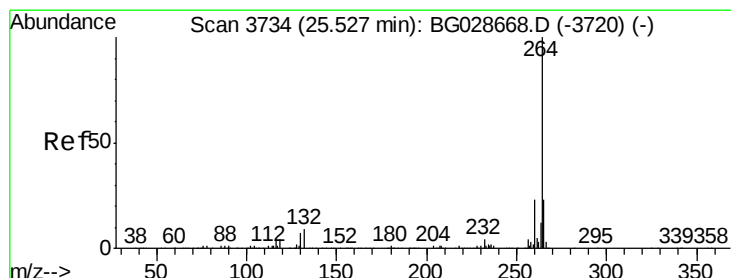
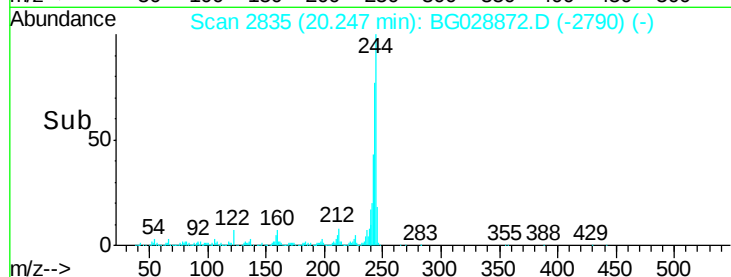
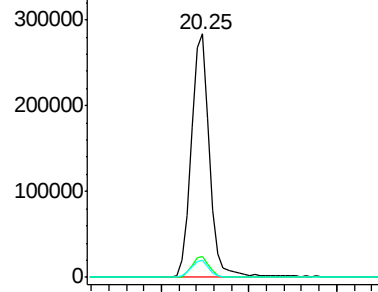
122 7.0 8.6 12.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.47 min Scan# 3724

Delta R.T. -0.06 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

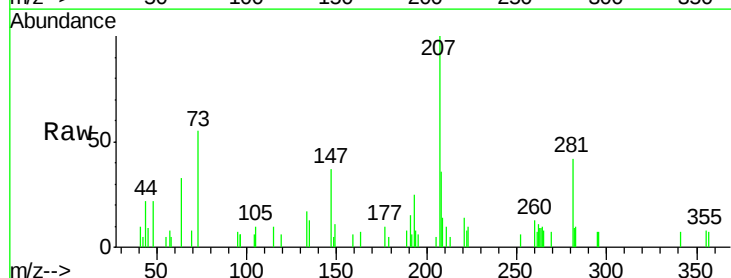
Tgt Ion:264 Resp: 525

Ion Ratio Lower Upper

264 100

260 71.4 21.8 32.8#

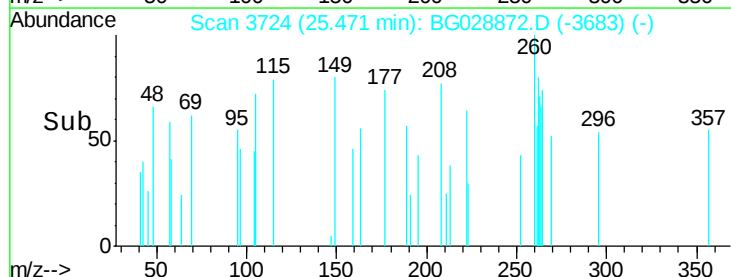
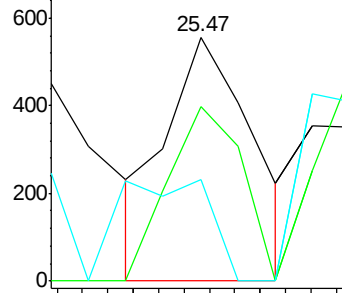
265 41.7 18.2 27.4#

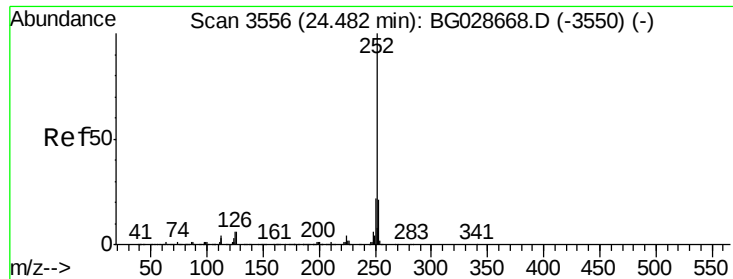


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

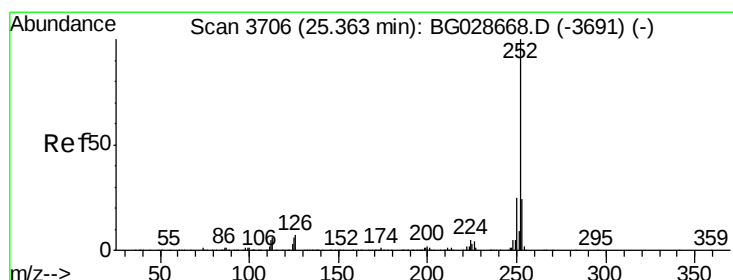
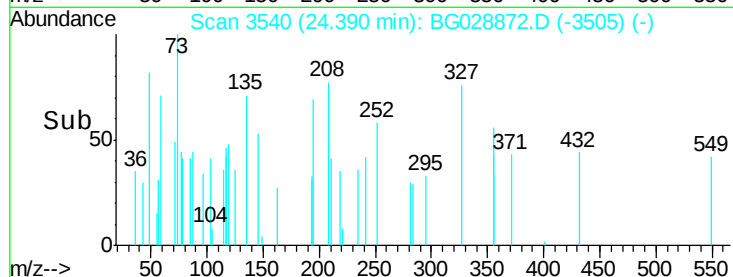
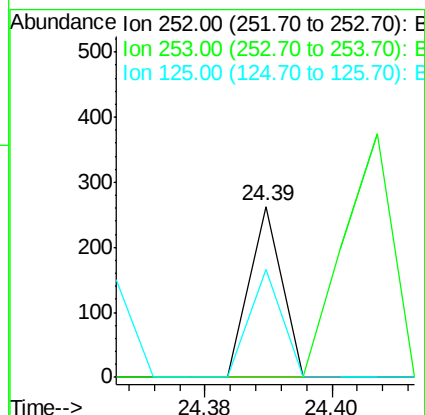
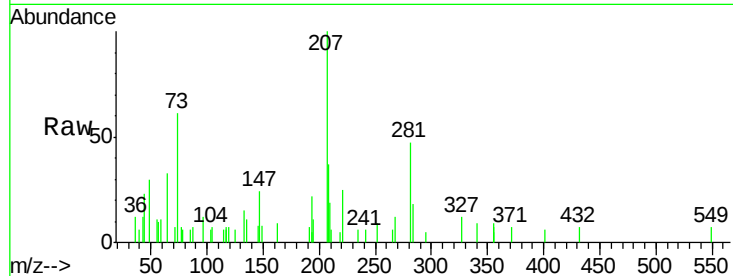




#88
Benzo(k)fluoranthene
Concen: 2.96 ng
RT: 24.39 min Scan# 3540
Delta R.T. -0.09 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

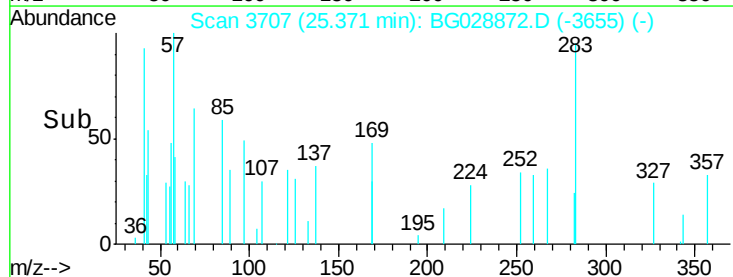
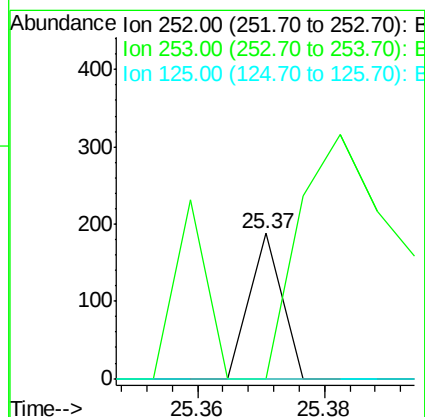
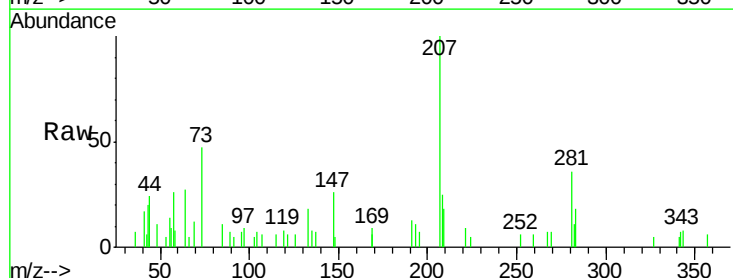
Instrument :
BNA_G
ClientSampled :

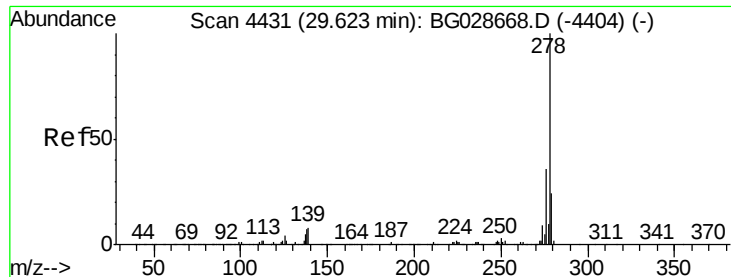
Tot Ion:252 Resp: 93
Ion Ratio Lower Upper
252 100
253 0.0 20.2 30.2#
125 63.1 5.1 7.7#



#89
Benzo(a)pyrene
Concen: 2.21 ng
RT: 25.37 min Scan# 3707
Delta R.T. 0.01 min
Lab File: BG028872.D
Acq: 22 Sep 2017 00:22

Tgt Ion:252 Resp: 66
Ion Ratio Lower Upper
252 100
253 0.0 19.2 28.8#
125 0.0 5.4 8.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.57 ng

RT: 29.58 min Scan# 4423

Delta R.T. -0.05 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

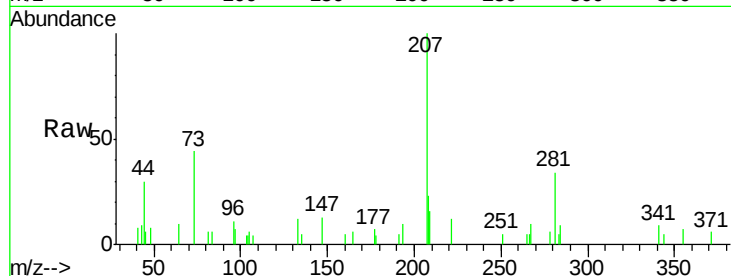
Instrument :

BNA_G

ClientSampleId :

Tot Ion:278 Resp: 80

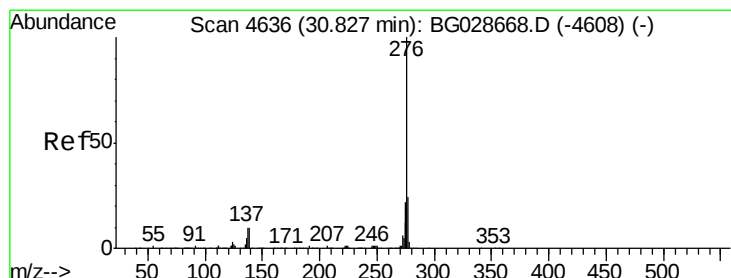
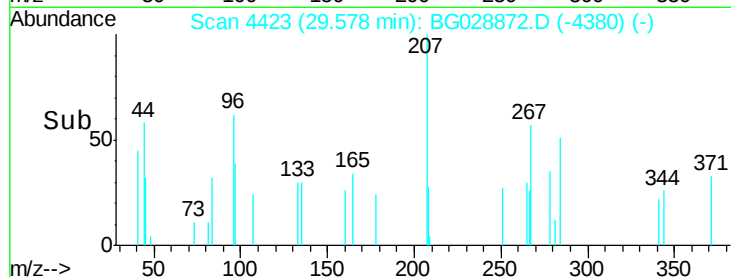
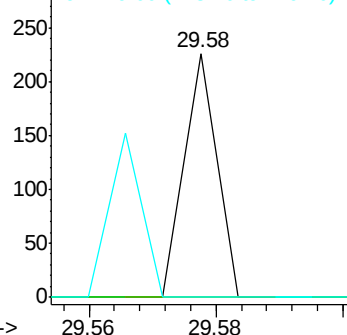
Ion	Ratio	Lower	Upper
278	100		
139	0.0	7.7	11.5#
279	0.0	19.1	28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.34 ng

RT: 30.88 min Scan# 4645

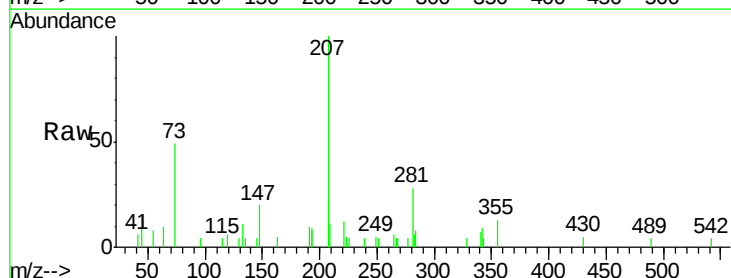
Delta R.T. 0.05 min

Lab File: BG028872.D

Acq: 22 Sep 2017 00:22

Tgt Ion:276 Resp: 71

Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.6	27.8#
138	0.0	8.1	12.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

