

Data Path : Z:\HPCHEM1\BNA G\Data\BG092017\
 Data File : BG028832.D
 Acq On : 20 Sep 2017 15:16
 Operator : SJ/JU
 Sample : I5113-06RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RL-3-0-11.75-SPLPRE

Manual Integrations
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Quant Time: Sep 21 03:42:28 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	8.29	152	32230	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	137126	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	102221	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	276733	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	304969	20.00	ng	-0.05
86) Perylene-d12	25.45	264	313489	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	275154	140.87	ng	-0.04
7) Phenol-d6	7.45	99	231963	78.88	ng	-0.04
23) Nitrobenzene-d5	9.46	82	510912	178.24	ng	-0.04
41) 2,4,6-Tribromophenol	16.41	330	520056	307.60	ng	-0.03
44) 2-Fluorobiphenyl	13.53	172	1288019	168.02	ng	-0.03
78) Terphenyl-d14	20.25	244	2285490	159.82	ng	-0.03
Target Compounds						
31) Naphthalene	11.16	128	103811	14.495	ng	96
32) Benzoic acid	10.44	122	2171	7.167	ng	# 81
37) 2-Methylnaphthalene	12.74	142	37241	6.965	ng	96
51) Acenaphthene	14.97	154	64202	10.716	ng	95
54) Dibenzofuran	15.31	168	54560	5.711	ng	91
57) Fluorene	15.95	166	68968	8.086	ng	97
70) Phenanthrene	17.70	178	177695m	12.557	ng	
71) Anthracene	17.79	178	33350	2.333	ng	96
72) Carbazole	18.06	167	224361	17.426	ng	93

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

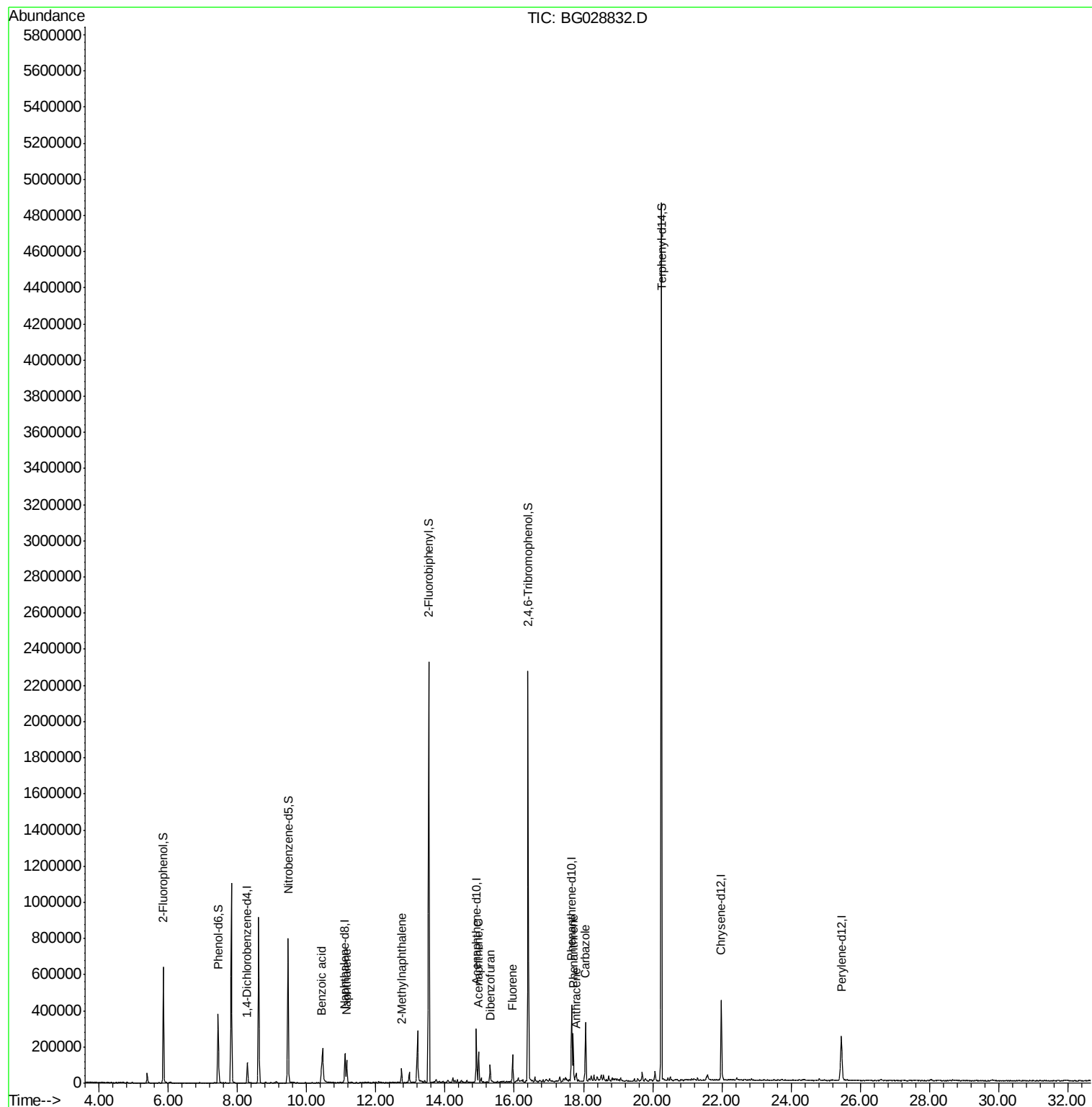
Data Path : Z:\HPCHEM1\BNA G\Data\BG092017\
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ALS Vial : 10 Sample Multiplier: 1

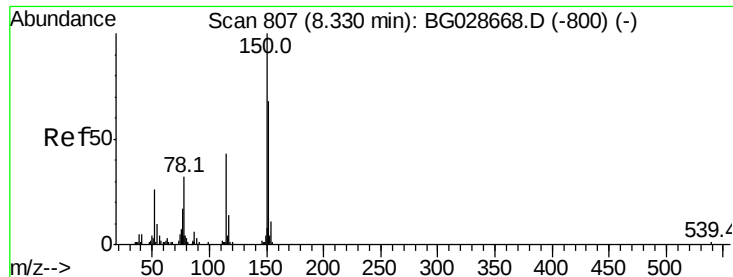
Instrument :
BNA_G
ClientSampleId :
RL-3-0-11.75-SPLPRE

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Quant Time: Sep 21 03:42:28 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
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Response via : Initial Calibration





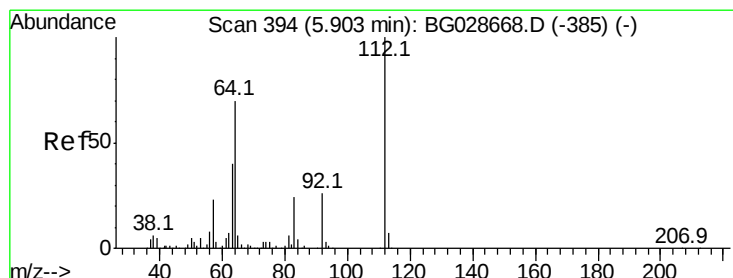
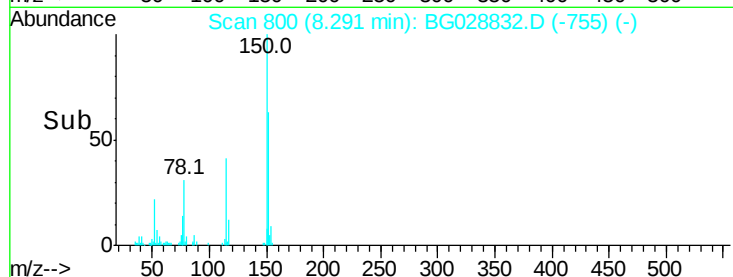
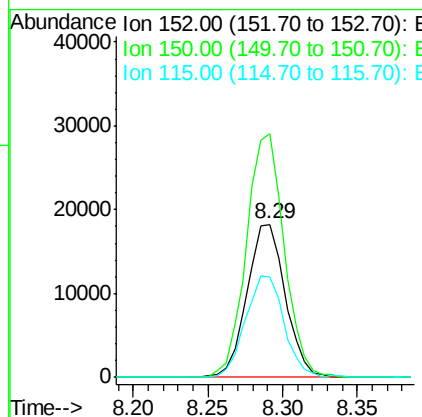
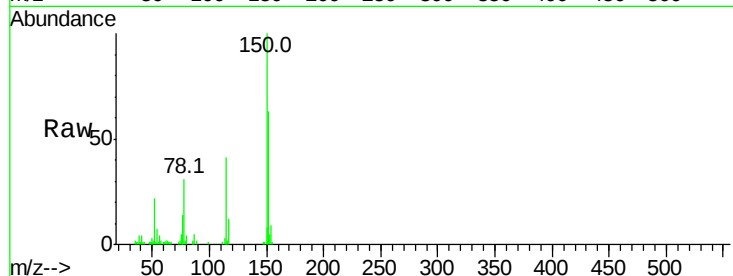
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.29 min Scan# 800
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Instrument :
 BNA_G
 ClientSampleId :
 RL-3-0-11.75-SPLPRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	114.0	171.0
115	65.5	48.1	72.1

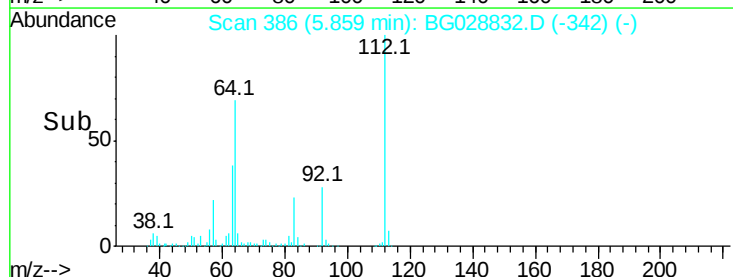
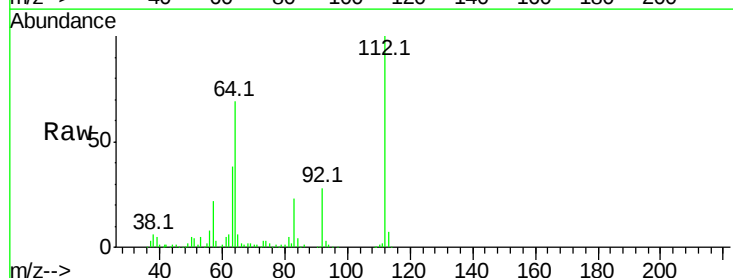
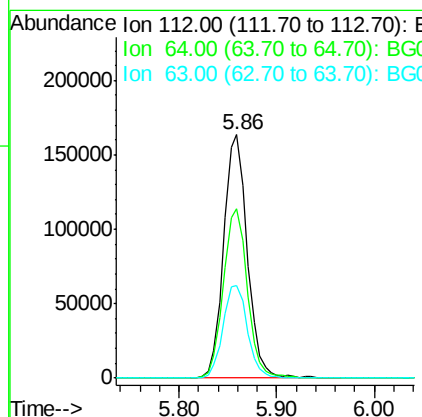
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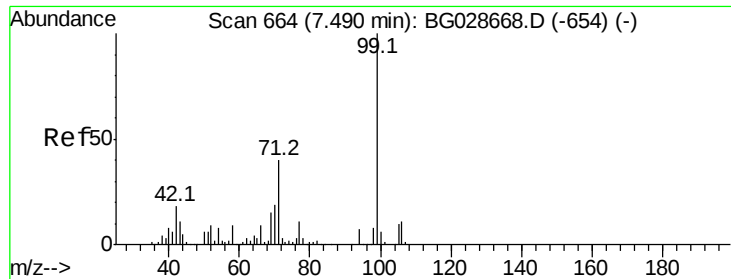
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#5
 2-Fluorophenol
 Concen: 140.868 ng
 RT: 5.86 min Scan# 386
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	61.8	92.6
63	38.2	37.2	55.8





#7

Phenol-d6

Concen: 78.875 ng

RT: 7.45 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

ClientSampleId :

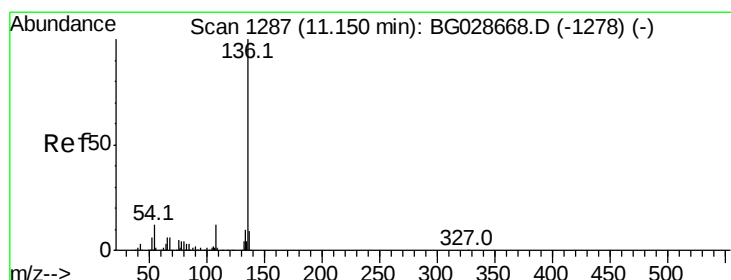
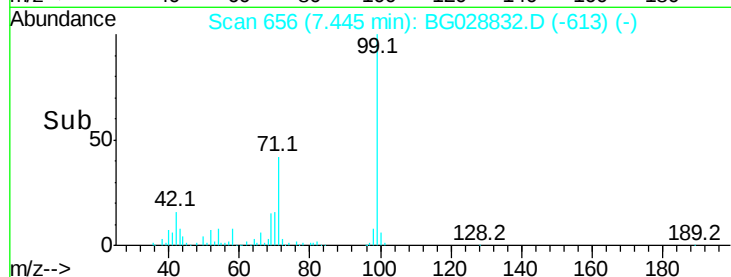
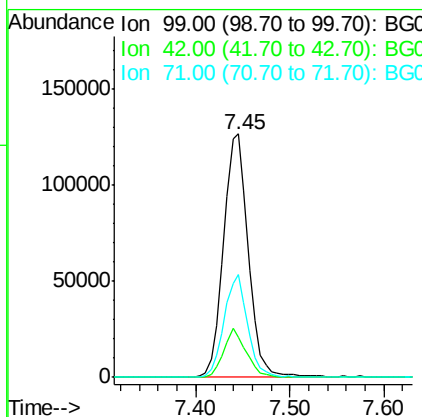
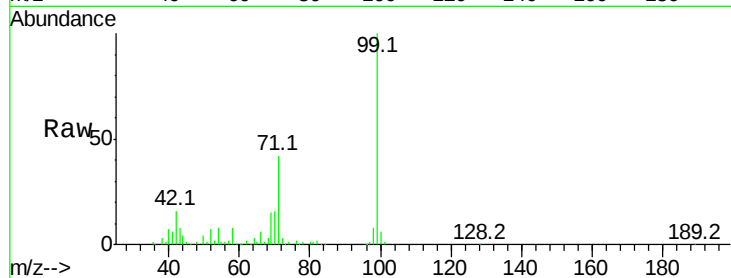
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Tot Ion:	99	Resp:	231963
Ion Ratio	Lower	Upper	
99	100		
42	16.4	20.5	30.7#
71	42.4	37.6	56.4

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#21

Naphthalene-d8

Concen: 20.000 ng

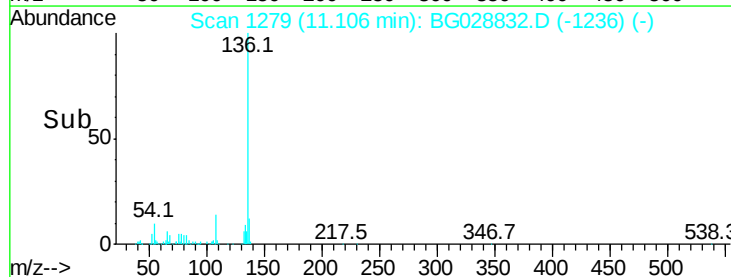
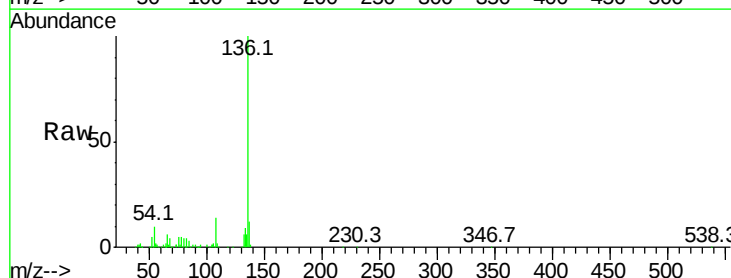
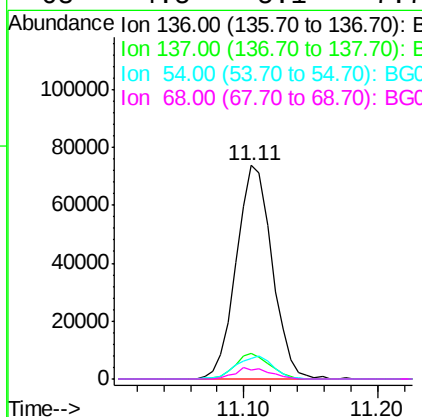
RT: 11.11 min Scan# 1279

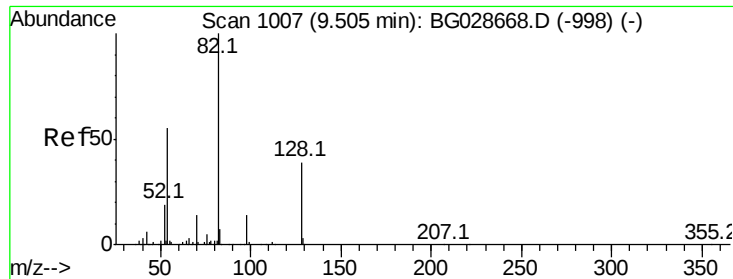
Delta R.T. -0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Tgt Ion:	136	Resp:	137126
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.9	13.3
54	9.8	9.3	13.9
68	4.5	5.1	7.7#





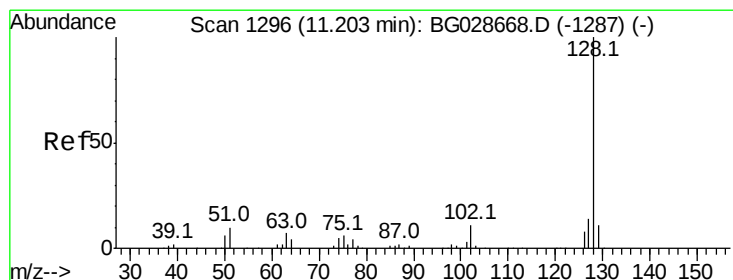
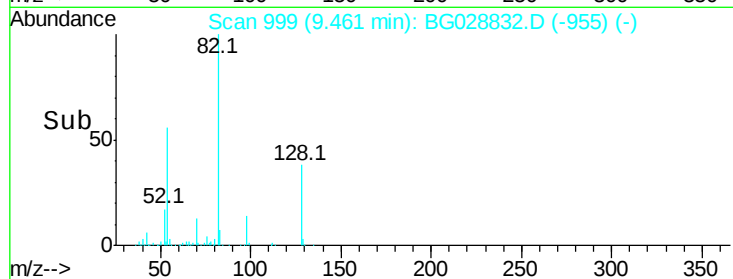
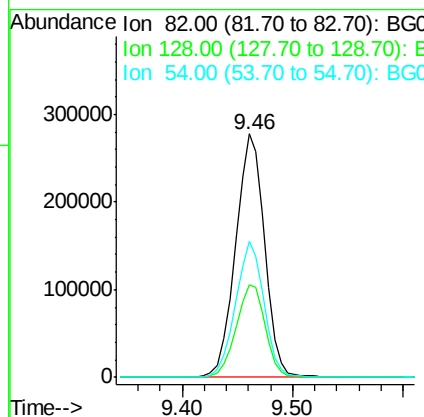
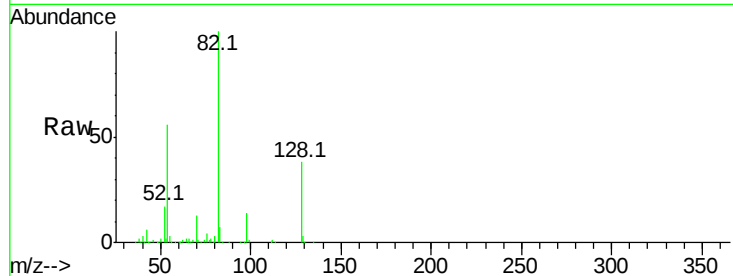
#23
Nitrobenzene-d5
Concen: 178.235 ng
RT: 9.46 min Scan# 999
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Instrument :
BNA_G
ClientSampleId :
RL-3-0-11.75-SPLPRE

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	37.8	26.4	39.6
54	55.9	49.4	74.2

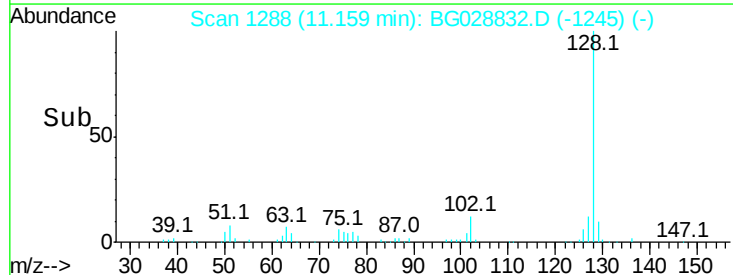
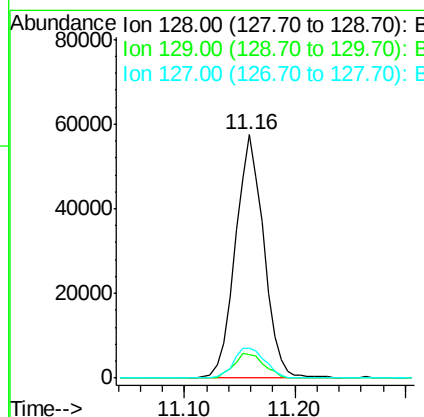
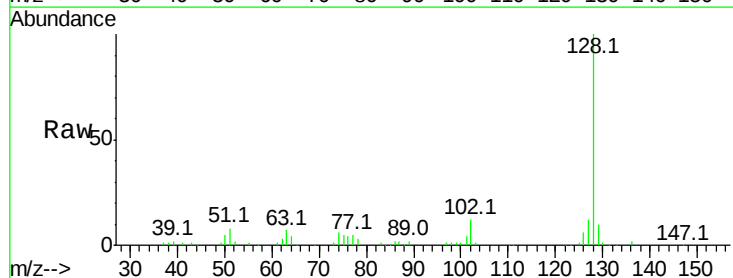
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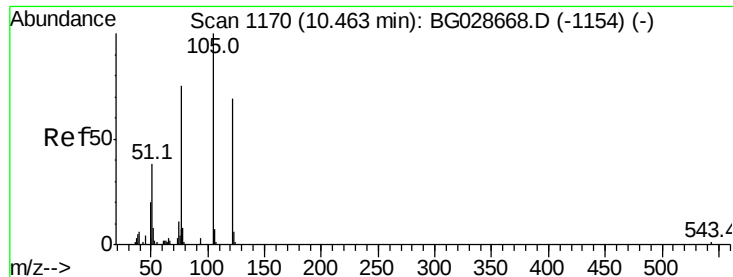
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#31
Naphthalene
Concen: 14.495 ng
RT: 11.16 min Scan# 1288
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	9.9	9.3	13.9
127	12.4	11.4	17.0





#32

Benzoic acid

Concen: 7.167 ng

RT: 10.44 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

ClientSampleId :

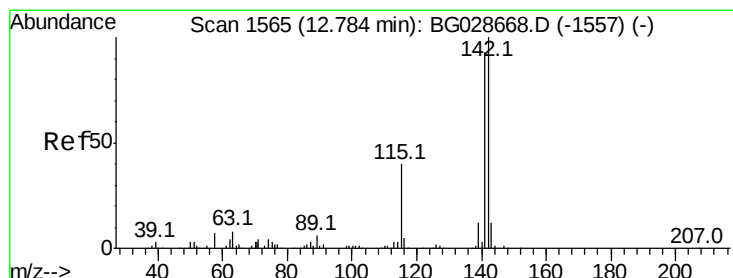
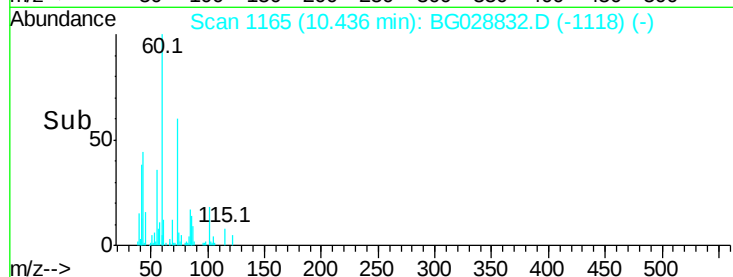
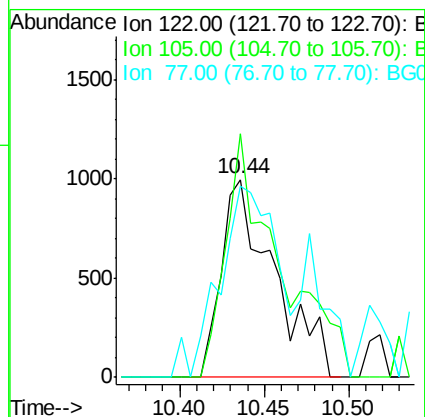
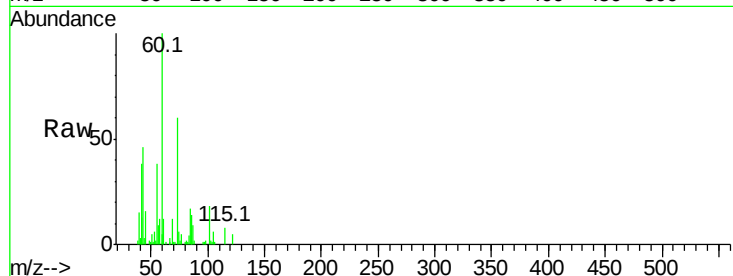
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Tot Ion	Ratio	Lower	Upper
122	100		
105	123.1	120.1	160.1
77	96.6	104.6	144.6#

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#37

2-Methylnaphthalene

Concen: 6.965 ng

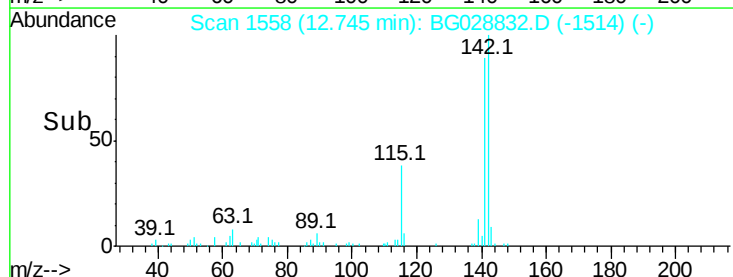
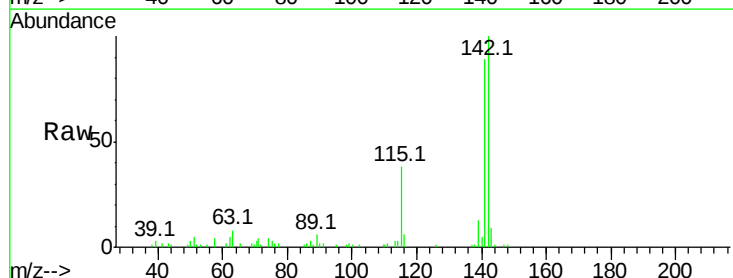
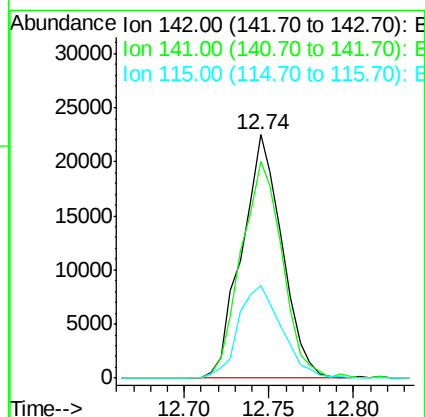
RT: 12.74 min Scan# 1558

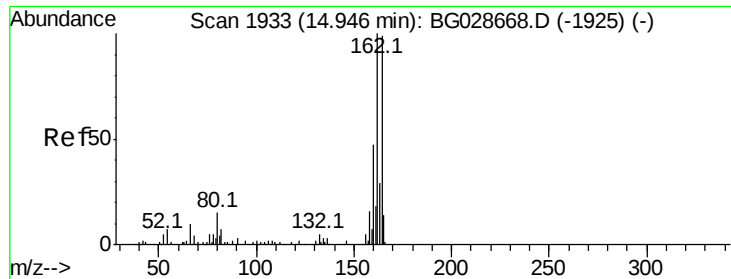
Delta R.T. -0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.4	105.6
115	38.0	35.5	53.3





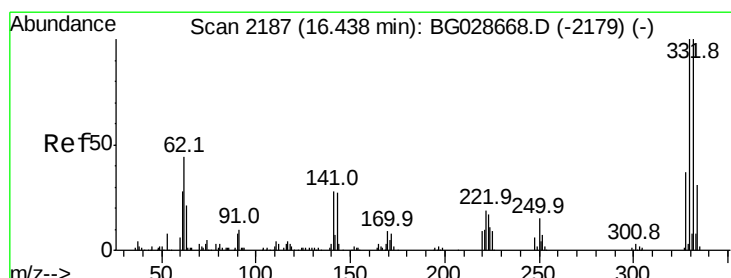
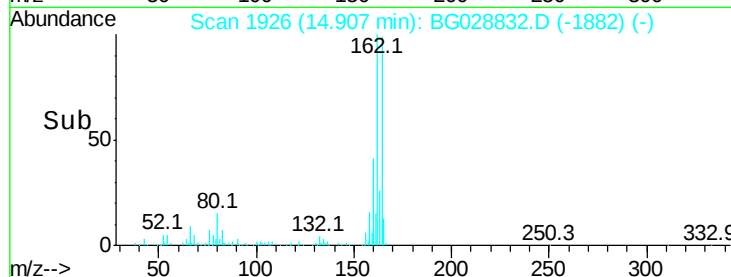
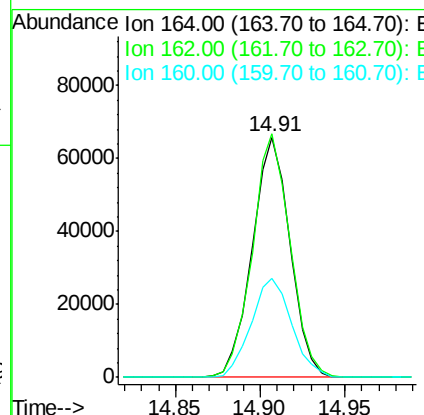
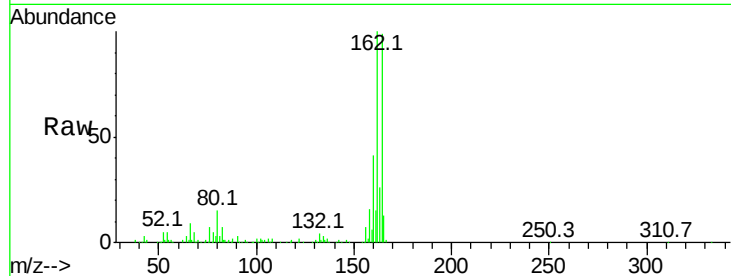
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.91 min Scan# 1926
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Instrument :
BNA_G
ClientSampleId :
RL-3-0-11.75-SPLPRE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	102221		
162	101.4		85.1	127.7
160	41.3		34.7	52.1

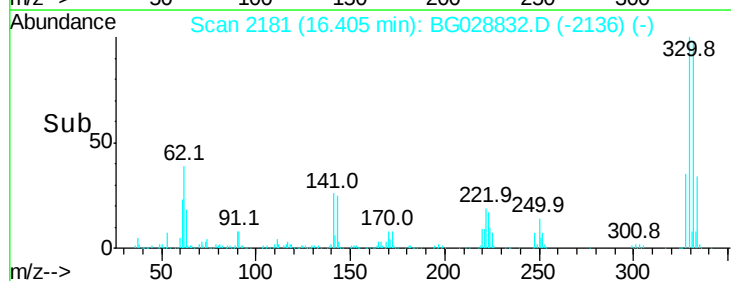
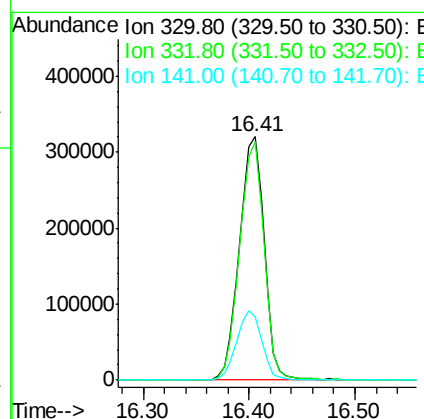
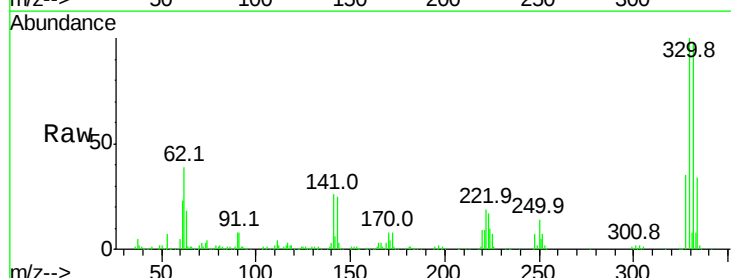
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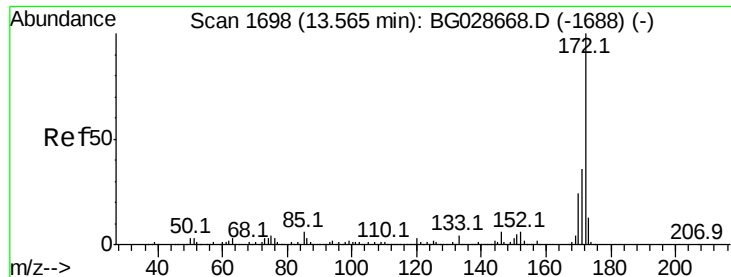
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#41
2,4,6-Tribromophenol
Concen: 307.603 ng
RT: 16.41 min Scan# 2181
Delta R.T. -0.03 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	520056		
332	96.6		77.3	115.9
141	28.9		32.1	48.1#





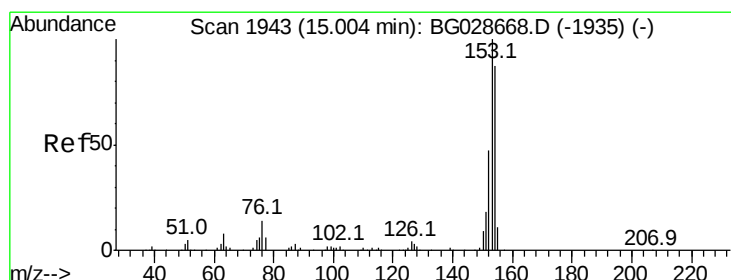
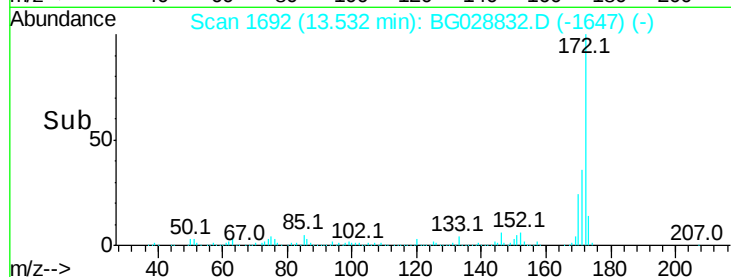
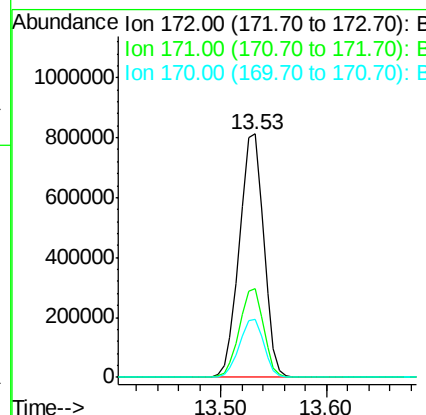
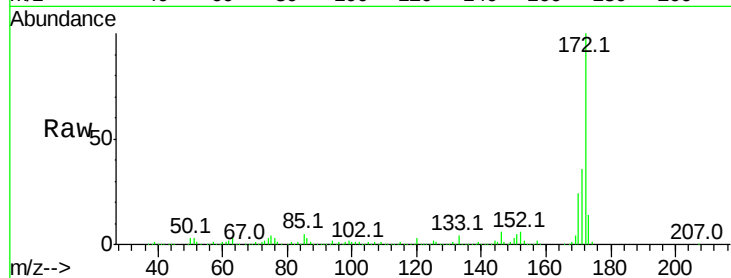
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2-Fluorobiphenyl
Concen: 168.016 ng
RT: 13.53 min Scan# 1692
Delta R.T. -0.03 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Instrument :
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ClientSampleId :
RL-3-0-11.75-SPLPRE

Tot Ion:172 Resp: 1288019
Ion Ratio Lower Upper
172 100
171 36.3 32.2 48.2
170 23.8 21.8 32.6

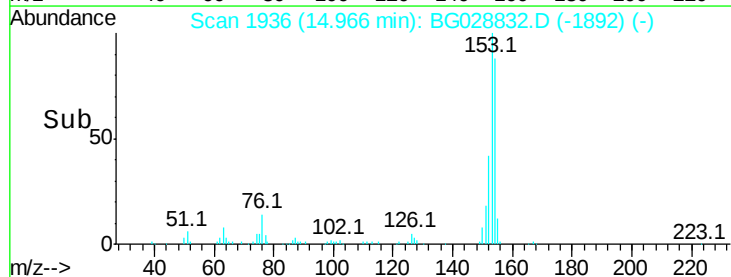
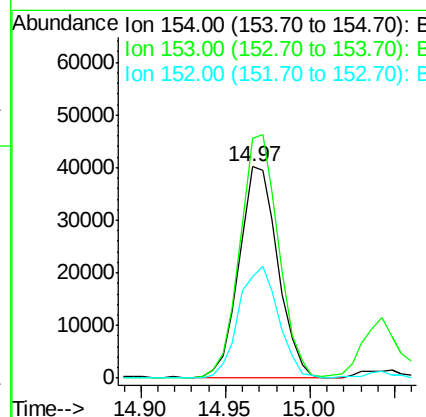
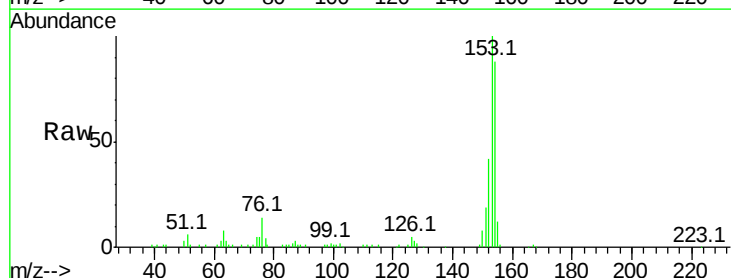
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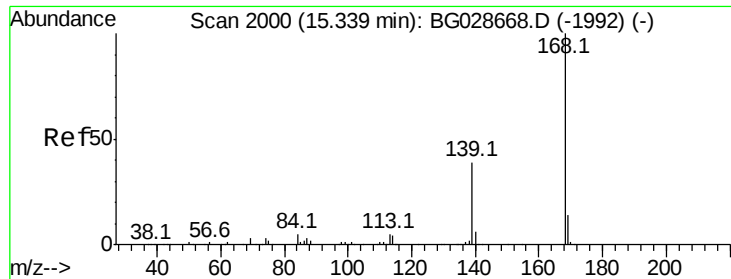
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#51
Acenaphthene
Concen: 10.716 ng
RT: 14.97 min Scan# 1936
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion:154 Resp: 64202
Ion Ratio Lower Upper
154 100
153 113.5 87.8 131.6
152 48.0 42.2 63.4





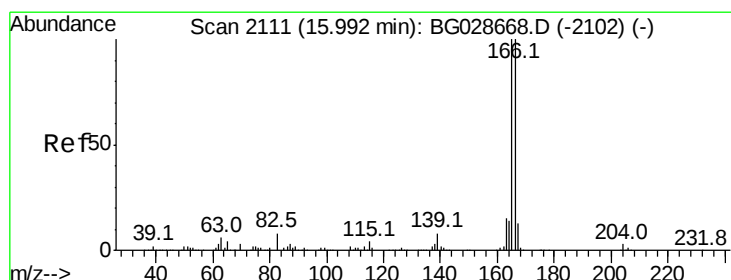
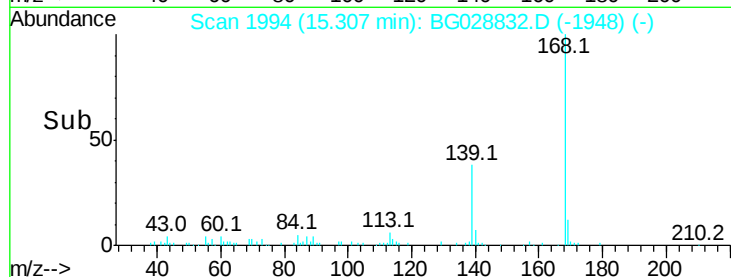
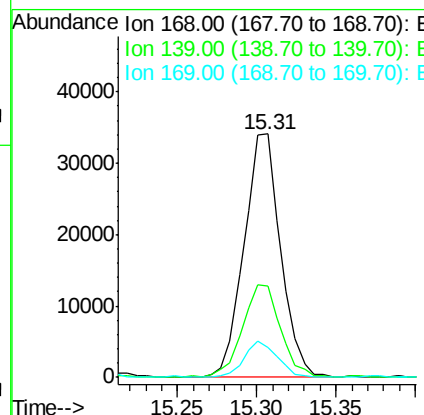
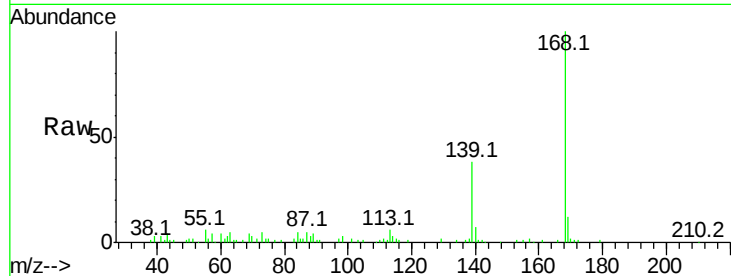
#54
Dibenzenofuran
Concen: 5.711 ng
RT: 15.31 min Scan# 1994
Delta R.T. -0.03 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Instrument :
BNA_G
ClientSampleId :
RL-3-0-11.75-SPLPRE

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	35.3	52.9
169	12.3	11.5	17.3

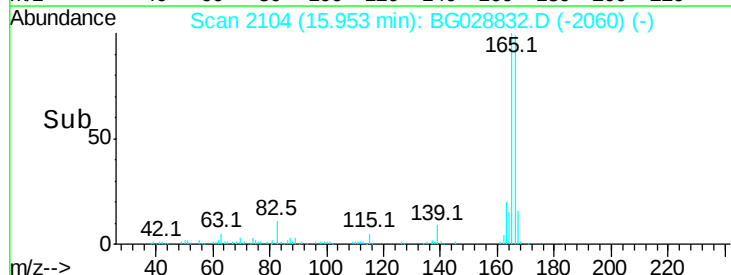
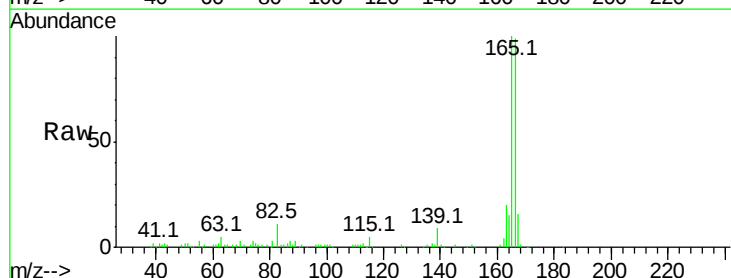
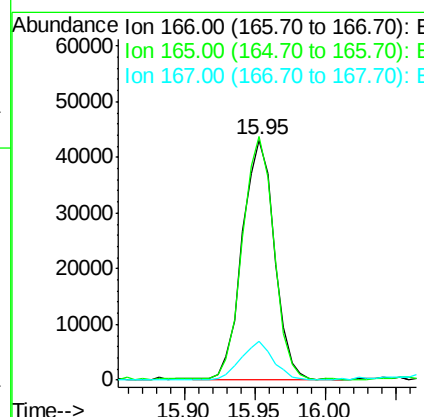
Manual Integrations
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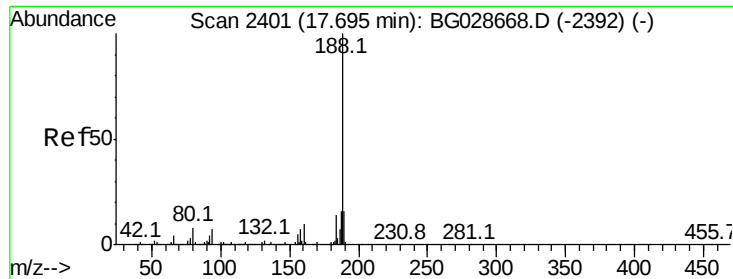
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#57
Fluorene
Concen: 8.086 ng
RT: 15.95 min Scan# 2104
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.6	117.8
167	16.3	11.6	17.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2394

Delta R.T. -0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

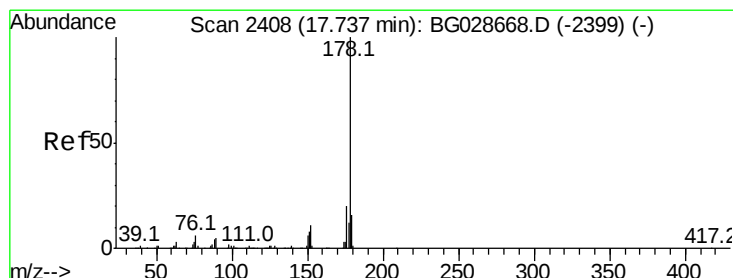
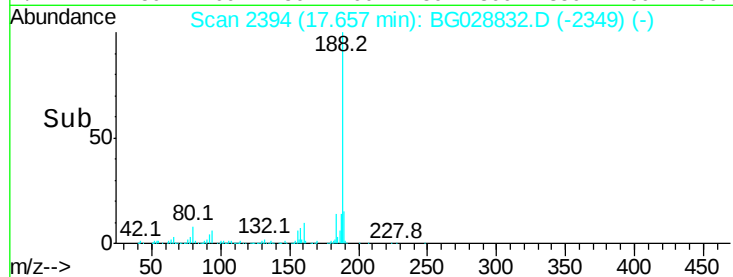
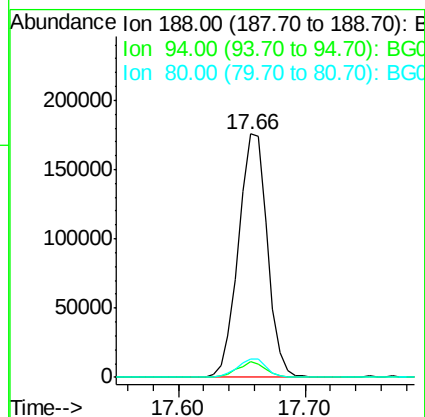
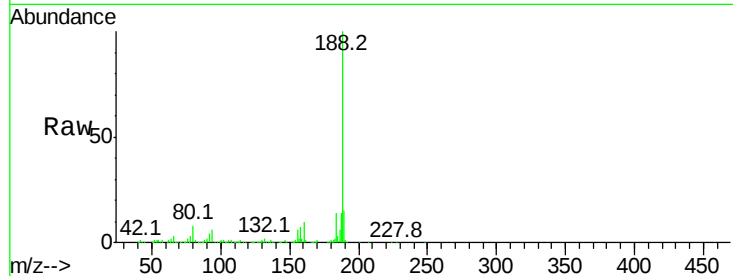
ClientSampleId :

RL-3-0-11.75-SPLPRE

Tot Ion:188	Resp:	276733
Ion Ratio	Lower	Upper
188 100		
94 6.5	5.8	8.8
80 7.6	7.5	11.3

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#70

Phenanthrene

Concen: 12.557 ng m

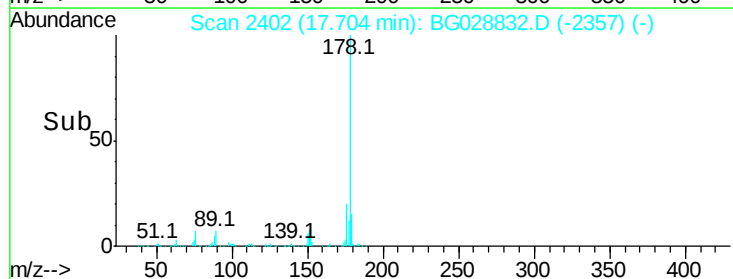
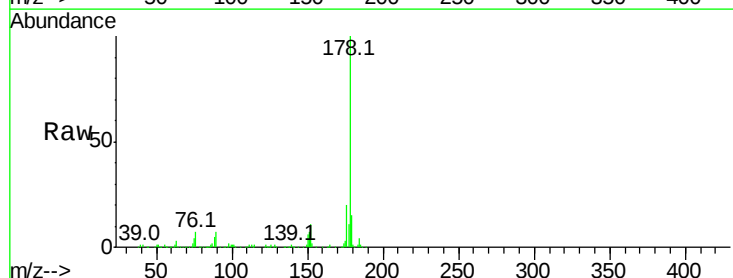
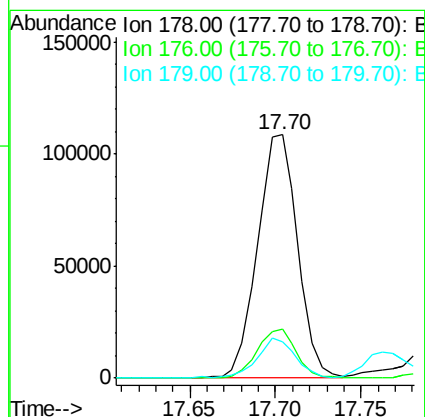
RT: 17.70 min Scan# 2402

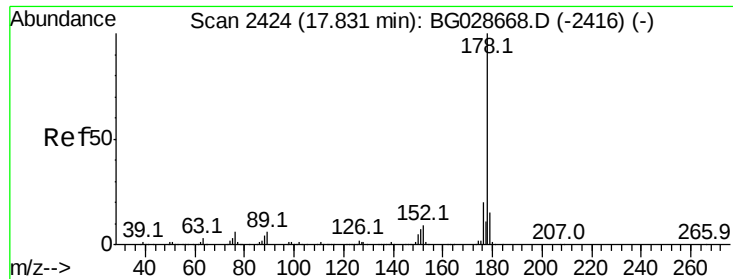
Delta R.T. -0.03 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Tgt Ion:178	Resp:	177695
Ion Ratio	Lower	Upper
178 100		
176 20.0	17.7	26.5
179 14.7	15.0	22.6#





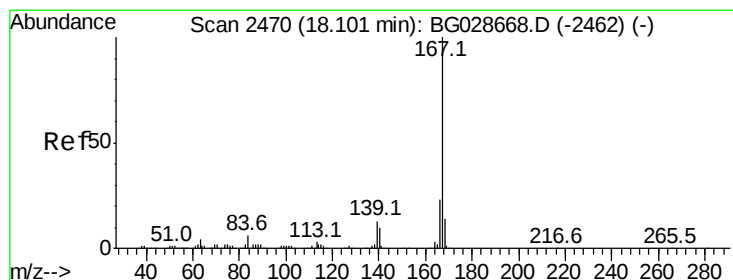
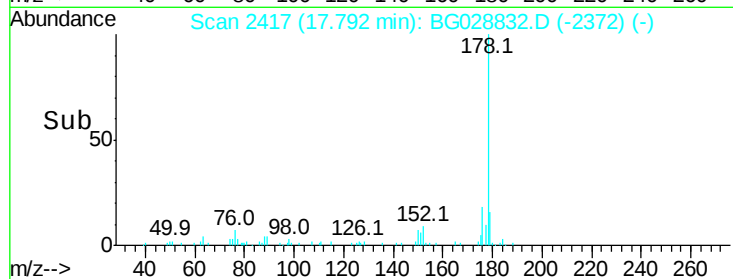
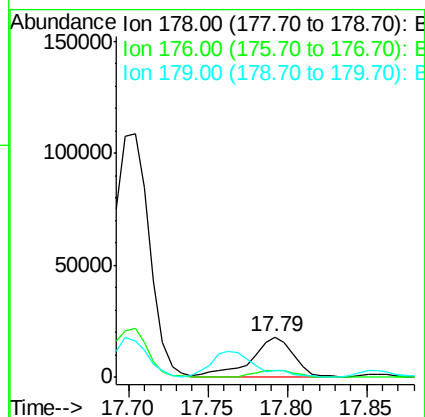
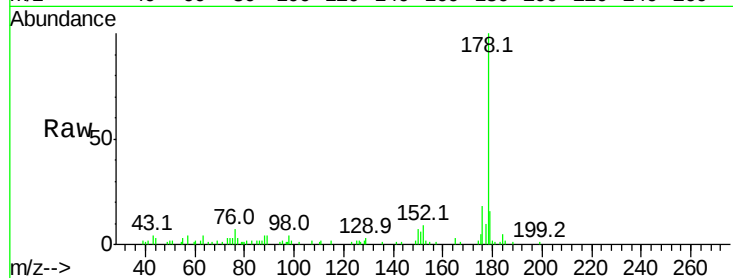
#71
 Anthracene
 Concen: 2.333 ng
 RT: 17.79 min Scan# 2417
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Instrument :
 BNA_G
 ClientSampleId :
 RL-3-0-11.75-SPLPRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.4	24.6
179	16.2	13.8	20.8

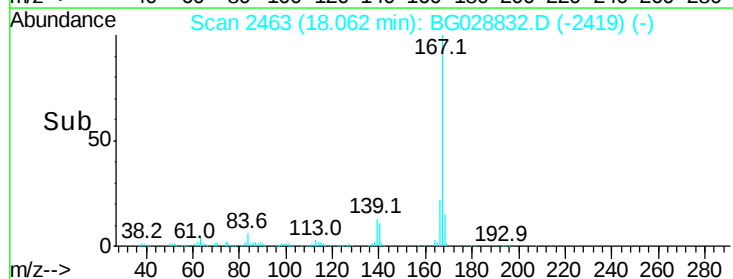
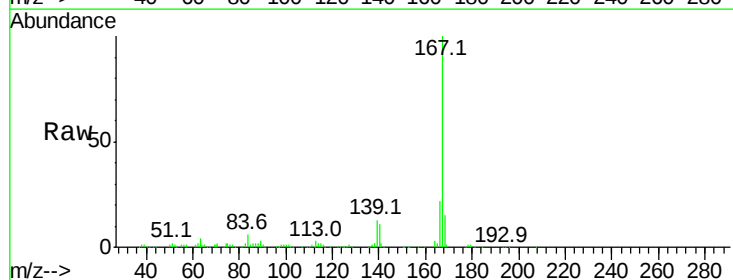
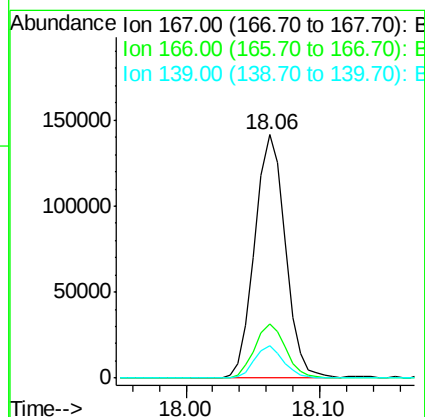
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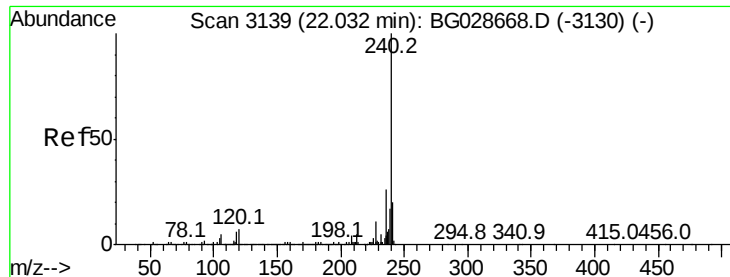
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#72
 Carbazole
 Concen: 17.426 ng
 RT: 18.06 min Scan# 2463
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	20.2	30.2
139	13.1	12.8	19.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

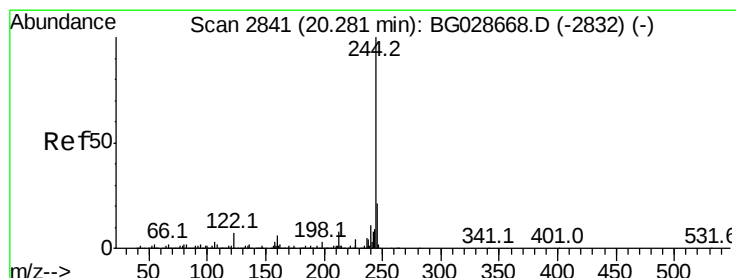
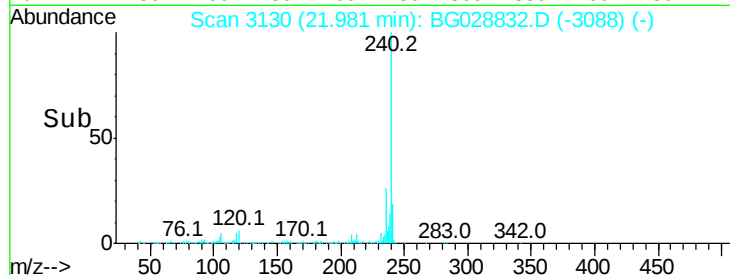
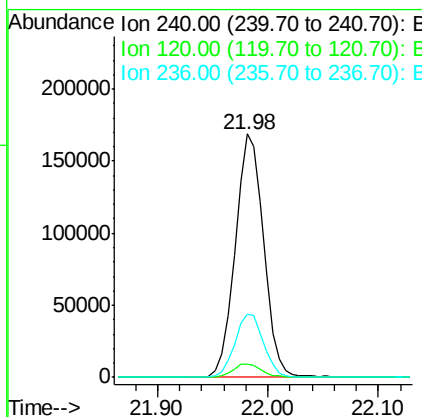
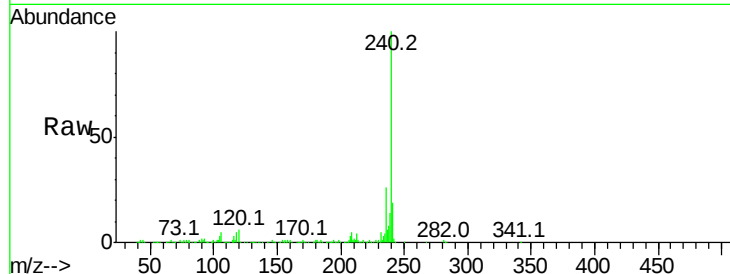
ClientSampleId :

RL-3-0-11.75-SPLPRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.7	8.5#
236	25.9	22.2	33.4

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#78

Terphenyl-d14

Concen: 159.818 ng

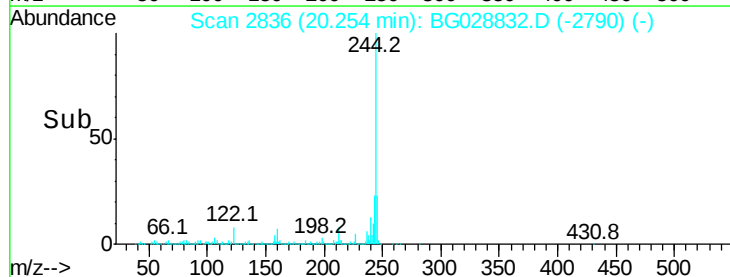
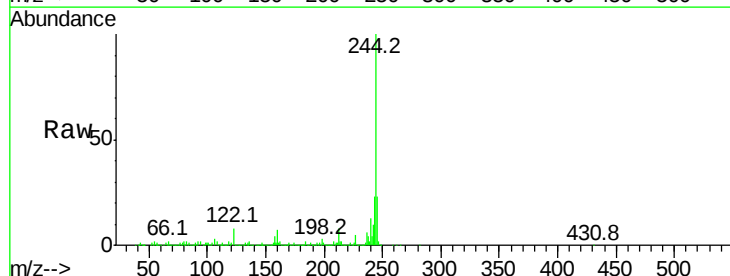
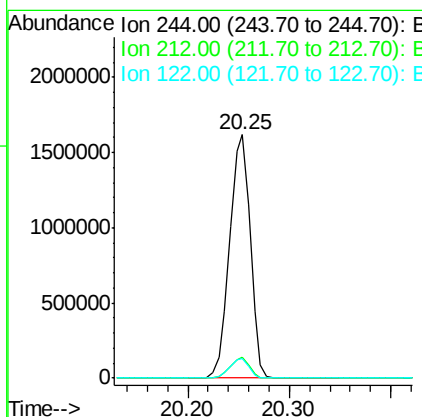
RT: 20.25 min Scan# 2836

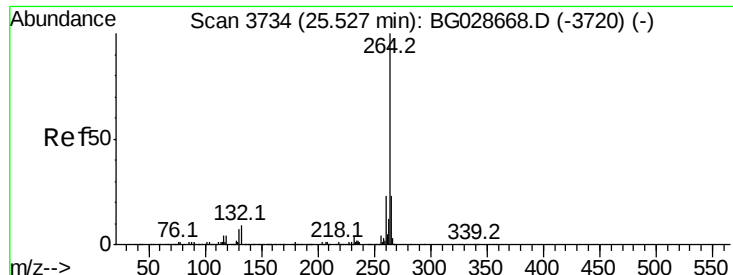
Delta R.T. -0.03 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	10.0	15.0#
122	8.1	8.6	12.8#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.45 min Scan# 3721
Delta R.T. -0.07 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Instrument :
BNA_G
ClientSampleId :
RL-3-0-11.75-SPLPRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	21.8	32.8
265	21.3	18.2	27.4

Manual Integrations
APPROVED

Sohil
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