

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
 Data File : BG021170.D
 Acq On : 1 Mar 2016 00:49
 Operator : UM/SJ
 Sample : H1520-11DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 40053+15(0-2)DL

Manual Integrations
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Quant Time: Mar 01 10:26:50 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	8455	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	46048	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	30314	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	70162	20.00	ng	0.00
75) Chrysene-d12	21.75	240	73832	20.00	ng	-0.01
86) Perylene-d12	25.03	264	67215	20.00	ng	-0.02

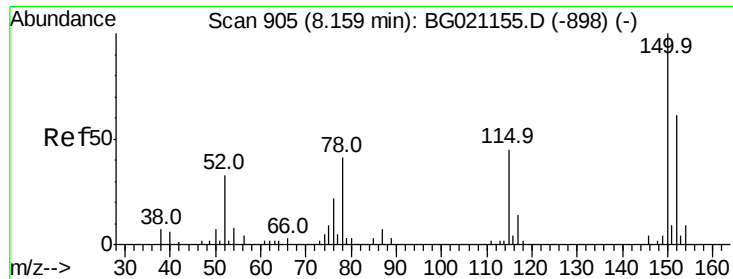
System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	33350	62.71	ng	0.00
7) Phenol-d6	7.29	99	56238	64.31	ng	0.00
23) Nitrobenzene-d5	9.31	82	41664	38.29	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	16120	51.11	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	66712	31.25	ng	0.00
78) Terphenyl-d14	20.08	244	91264	29.95	ng	0.00

Target Compounds

						Qvalue
49) Dimethylphthalate	14.20	163	14672	5.43	ng	97
51) Acenaphthene	14.82	154	7960	3.96	ng	91
54) Dibenzofuran	15.15	168	6466	2.41	ng	# 89
57) Fluorene	15.80	166	9625	3.76	ng	89
70) Phenanthrene	17.53	178	122107	32.25	ng	100
71) Anthracene	17.62	178	31449	8.12	ng	99
72) Carbazole	17.89	167	11602	3.38	ng	# 95
74) Fluoranthene	19.53	202	186034	41.82	ng	100
77) Pyrene	19.89	202	151902	34.49	ng	99
80) Benzo(a)anthracene	21.74	228	83484	19.10	ng	98
82) Chrysene	21.80	228	65268	15.76	ng	97
85) Indeno(1,2,3-cd)pyrene	28.74	276	37533	7.90	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	93747	22.17	ng	98
88) Benzo(k)fluoranthene	24.05	252	23771m	5.61	ng	
89) Benzo(a)pyrene	24.87	252	63892	15.63	ng	# 92
91) Benzo(g,h,i)perylene	29.91	276	32315	8.27	ng	# 87

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



#1

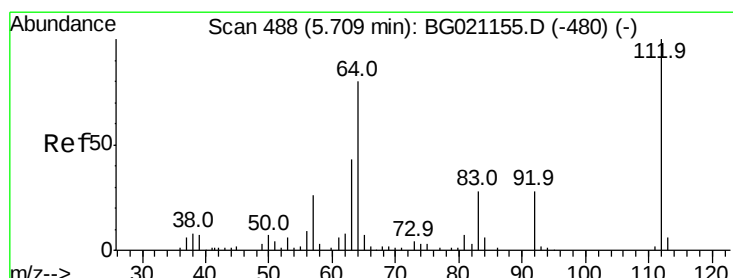
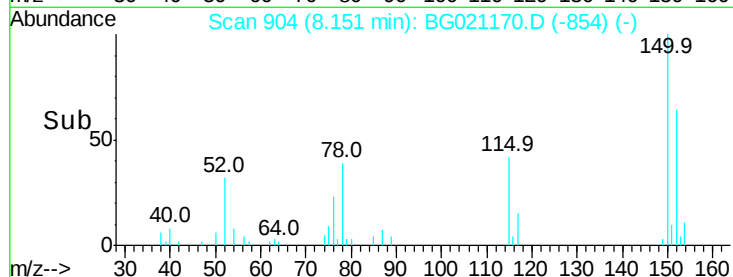
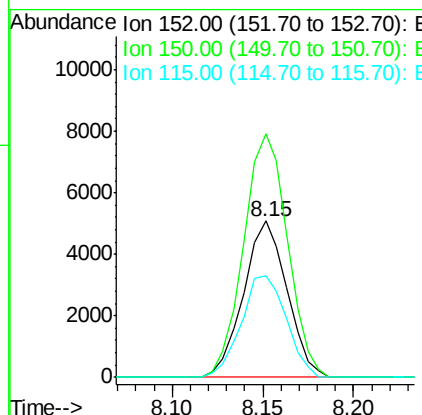
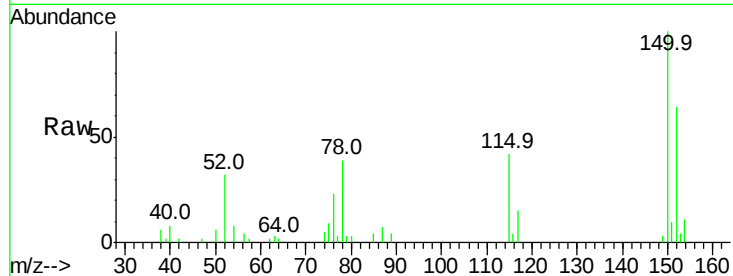
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Instrument :
BNA_G
ClientSampleID :
40053+15(0-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.4	185.2
115	65.0	43.3	64.9#

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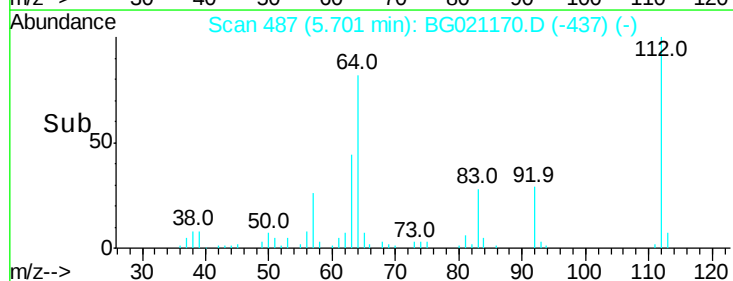
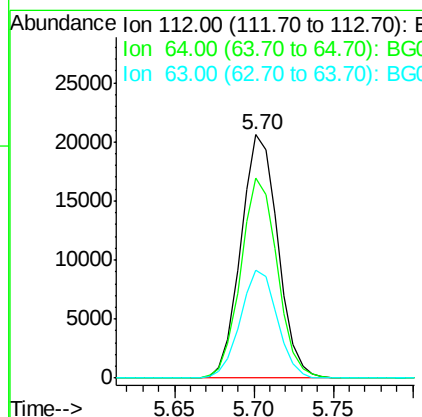
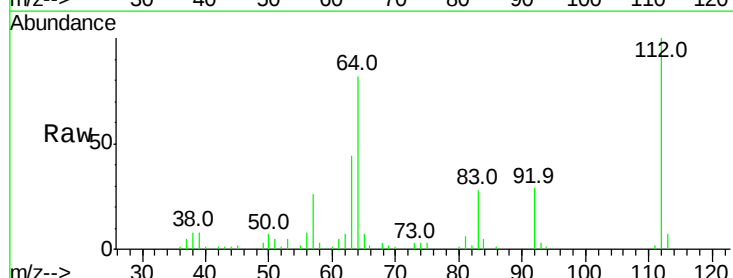
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#5

2-Fluorophenol
Concen: 62.71 ng
RT: 5.70 min Scan# 487
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	82.3	42.6	63.8#
63	44.4	21.7	32.5#





#7

Phenol-d6

Concen: 64.31 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Instrument :

BNA_G

ClientSampleId :

40053+15(0-2)DL

Tot Ion: 99 Resp: 56238

Ion Ratio Lower Upper

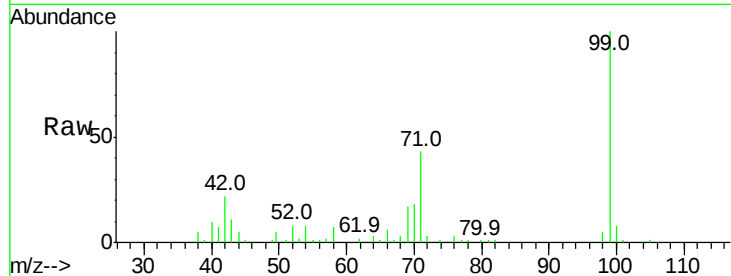
99 100

42 21.8 13.2 19.8#

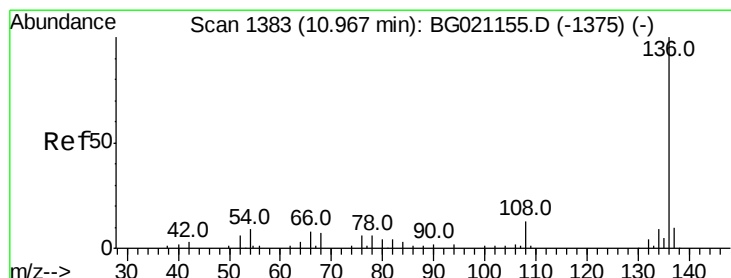
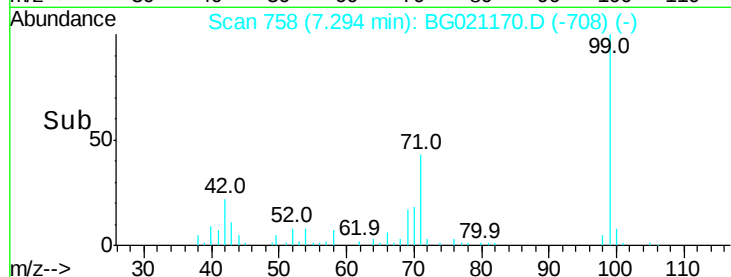
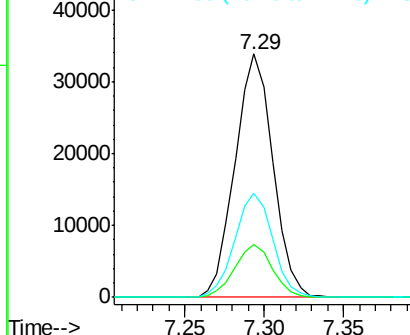
71 42.6 25.2 37.8#

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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: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Tgt Ion: 136 Resp: 46048

Ion Ratio Lower Upper

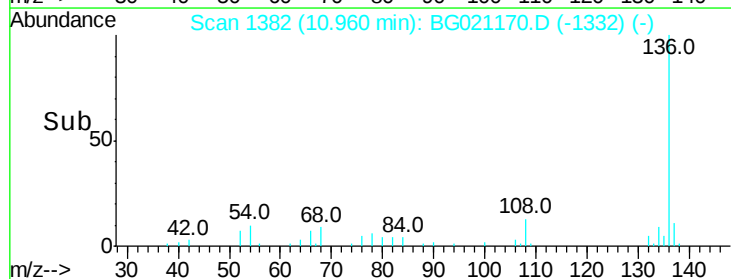
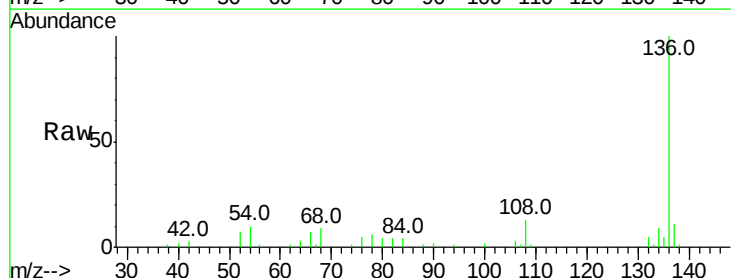
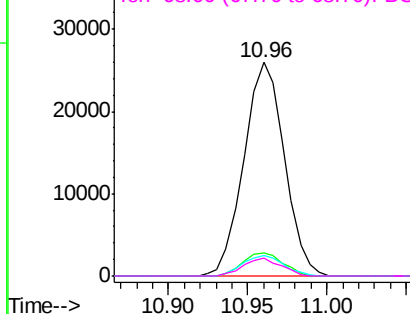
136 100

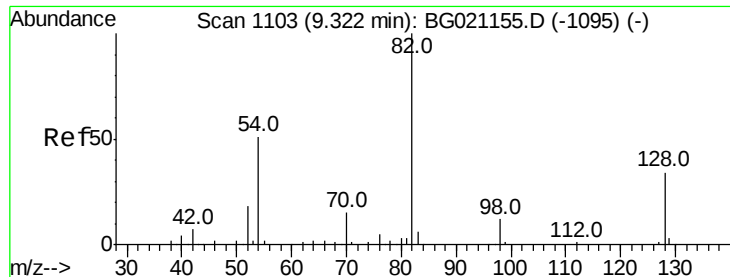
137 10.6 8.8 13.2

54 9.6 6.9 10.3

68 8.6 5.8 8.6

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





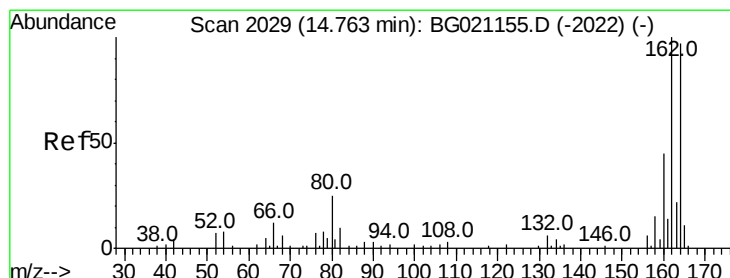
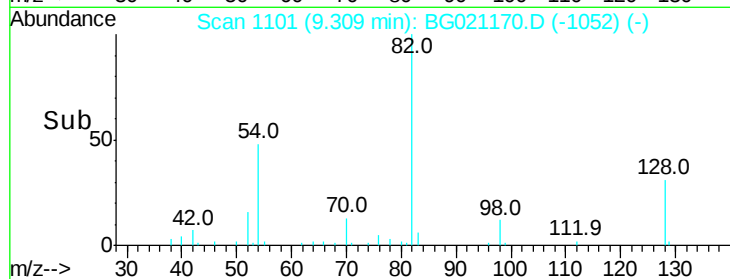
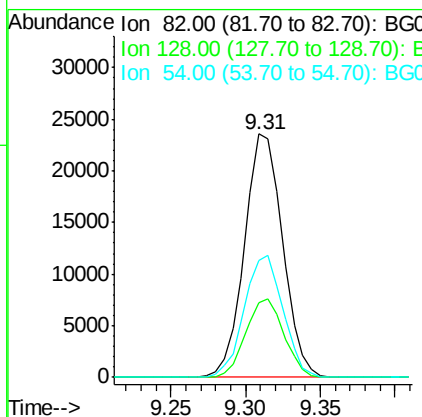
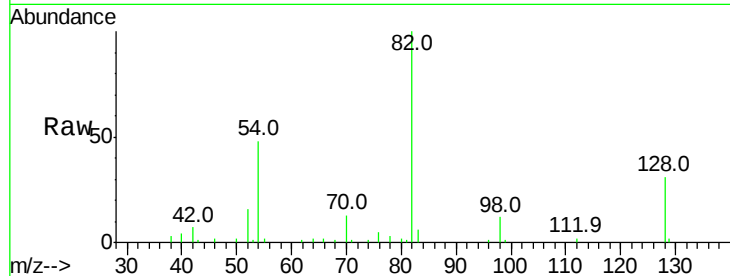
#23
Nitrobenzene-d5
Concen: 38.29 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Instrument :
BNA_G
ClientSampleId :
40053+15(0-2)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	30.7	36.3	54.5#
54	47.9	37.6	56.4

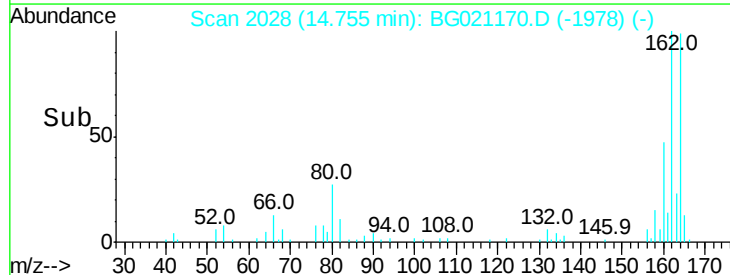
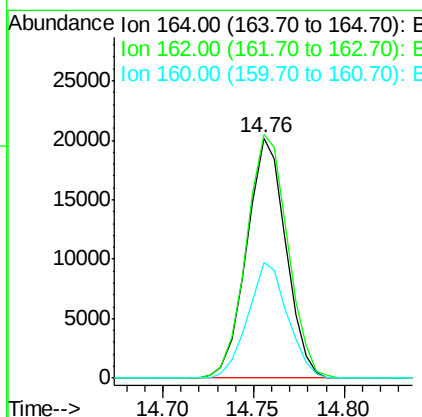
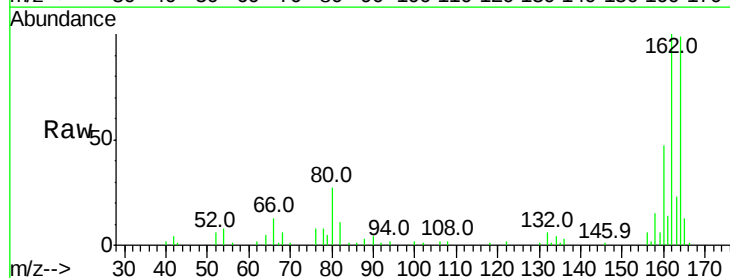
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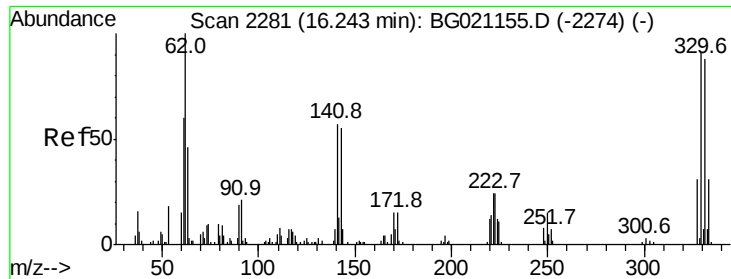
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	48.0	36.5	54.7





#41

2,4,6-Tribromophenol

Concen: 51.11 ng

RT: 16.24 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Instrument :

BNA_G

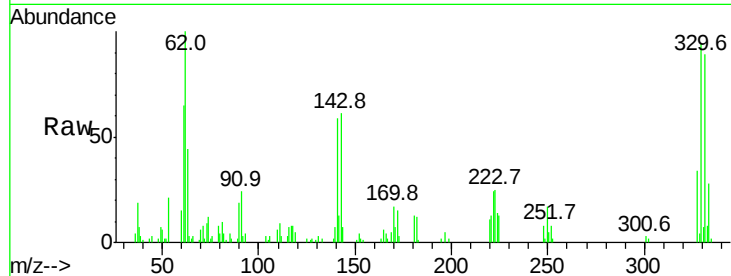
ClientSampleId :

40053+15(0-2)DL

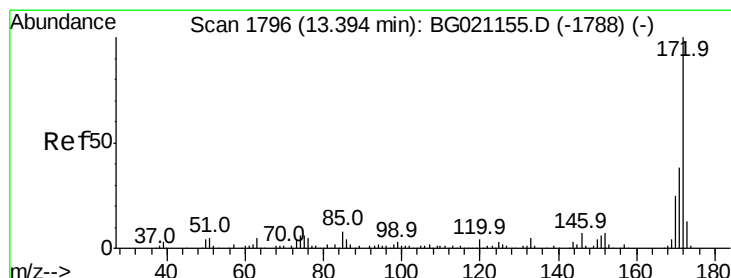
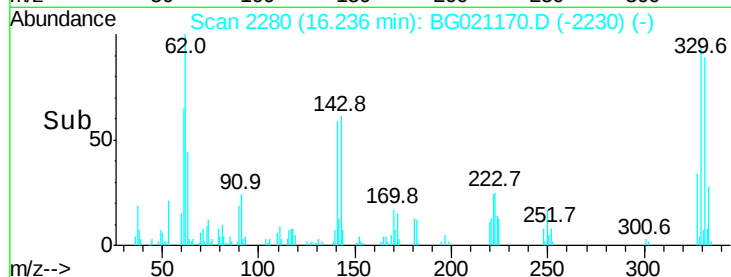
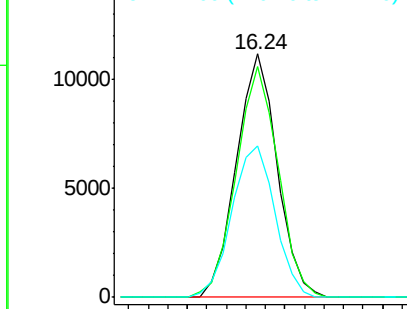
Tot Ion:	330	Resp:	16120
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.4	116.0
141	65.8	35.3	52.9#

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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: 31.25 ng

RT: 13.39 min Scan# 1795

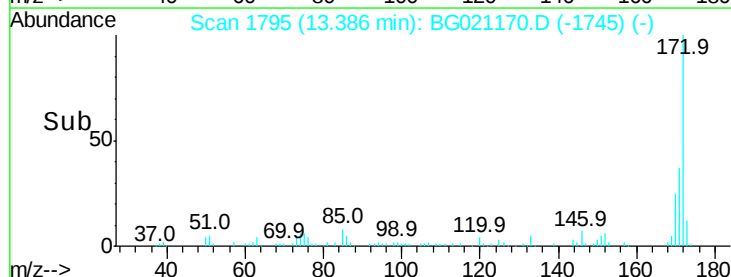
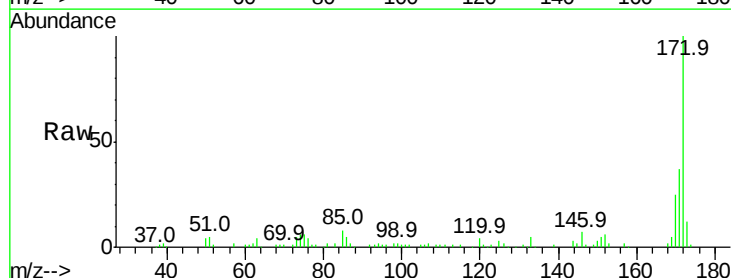
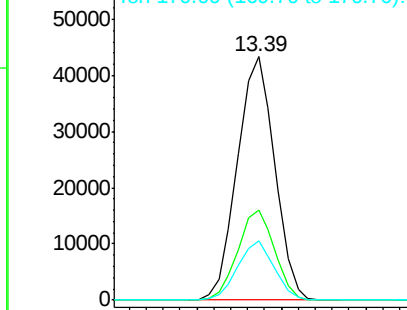
Delta R.T. -0.01 min

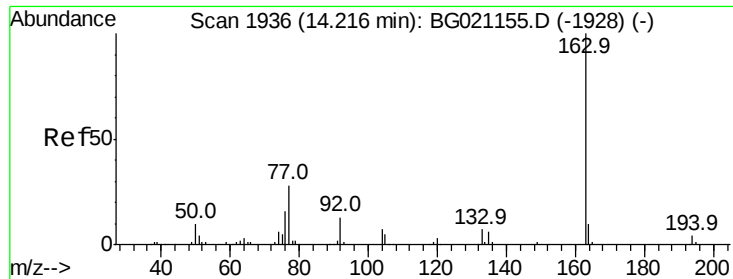
Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Tgt Ion:	172	Resp:	66712
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.4	44.0
170	24.5	19.8	29.8

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





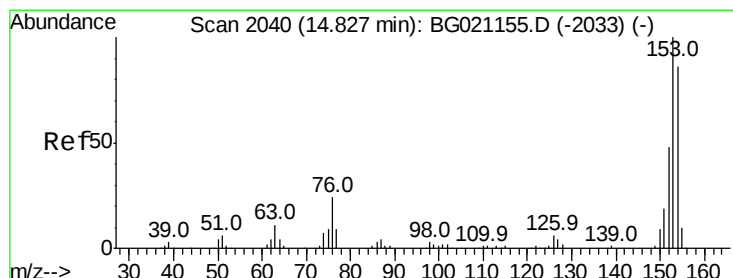
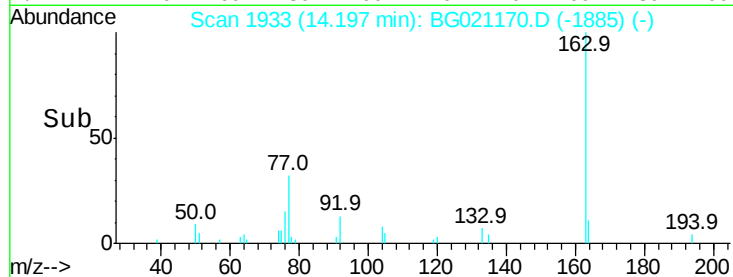
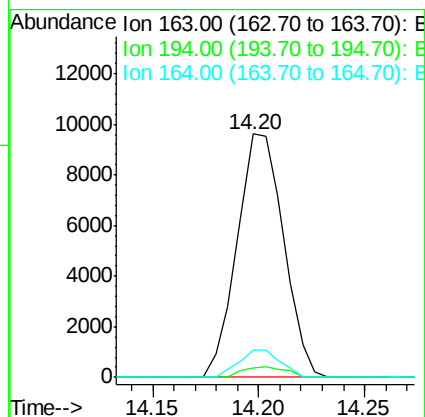
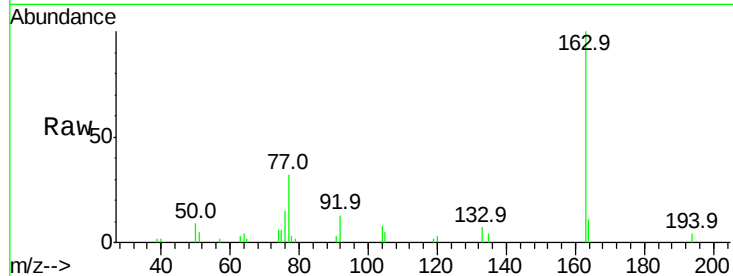
#49
Dimethylphthalate
Concen: 5.43 ng
RT: 14.20 min Scan# 1933
Delta R.T. -0.02 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Instrument :
BNA_G
ClientSampleId :
40053+15(0-2)DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	14672		
194	4.0		2.8	4.2
164	11.1		7.9	11.9

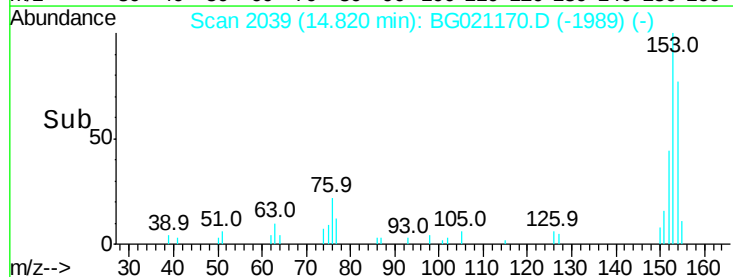
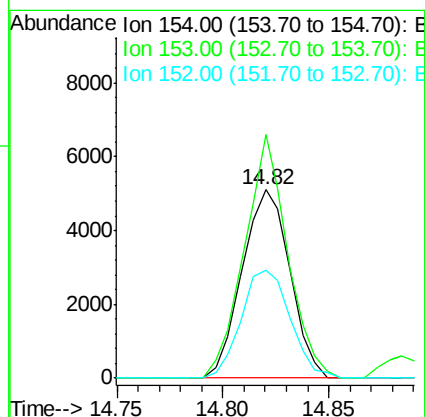
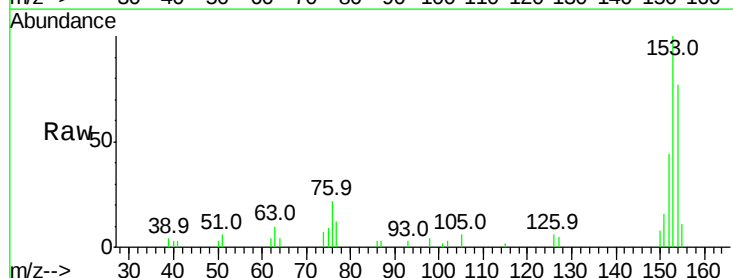
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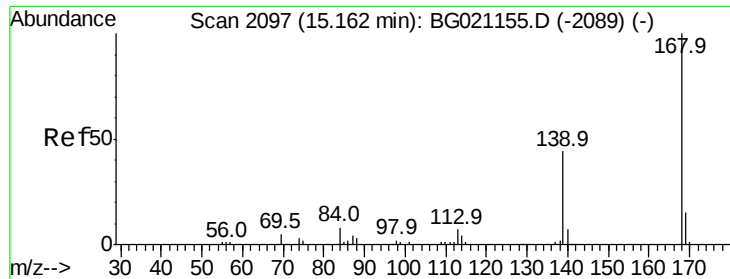
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#51
Acenaphthene
Concen: 3.96 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	7960		
153	129.3		94.2	141.2
152	57.2		42.9	64.3





#54

Dibenzenofuran

Concen: 2.41 ng

RT: 15.15 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Instrument :

BNA_G

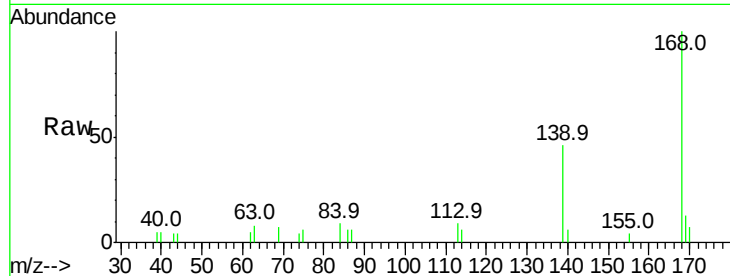
ClientSampleId :

40053+15(0-2)DL

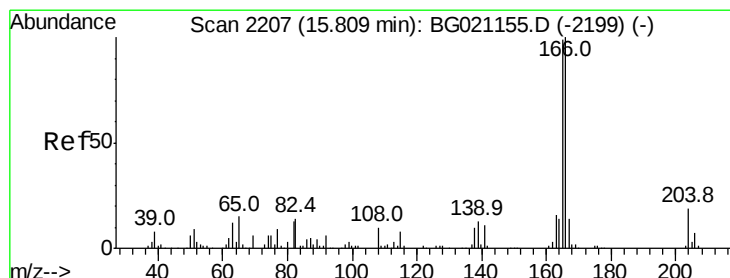
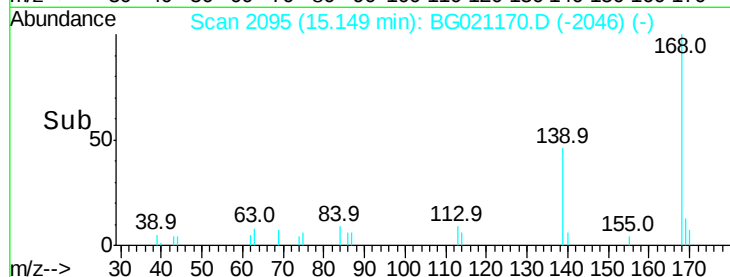
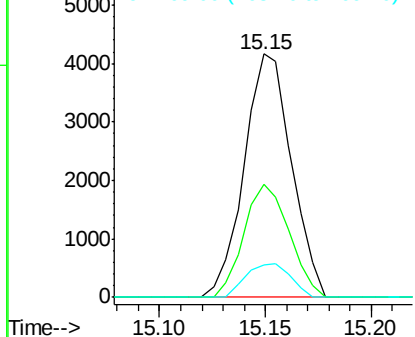
Tot Ion:	168	Resp:	6466
Ion Ratio	Lower	Upper	
168	100		
139	46.3	29.8	44.8#
169	13.5	11.4	17.2

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.76 ng

RT: 15.80 min Scan# 2205

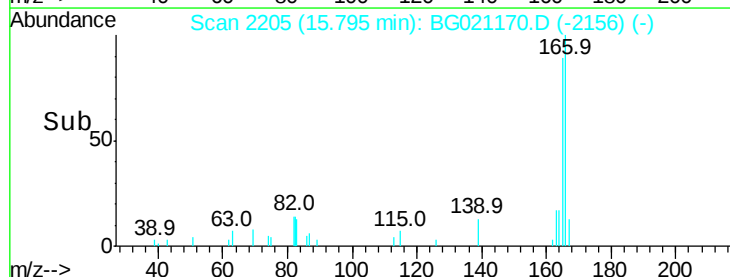
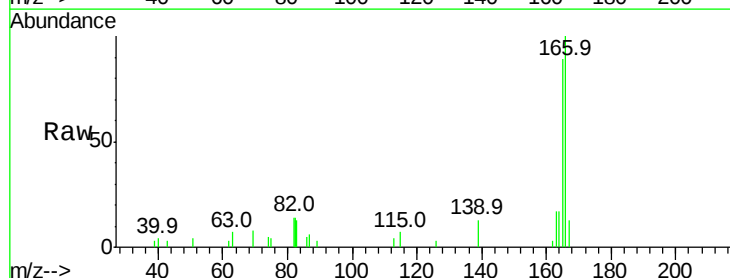
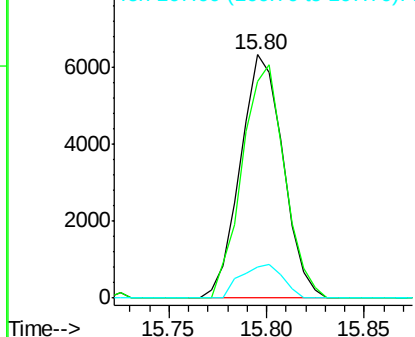
Delta R.T. -0.01 min

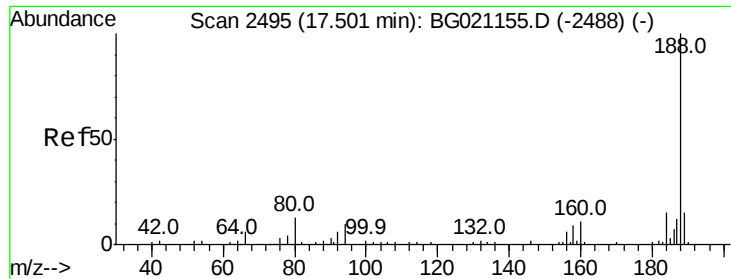
Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Tgt Ion:	166	Resp:	9625
Ion Ratio	Lower	Upper	
166	100		
165	89.2	81.3	121.9
167	12.8	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





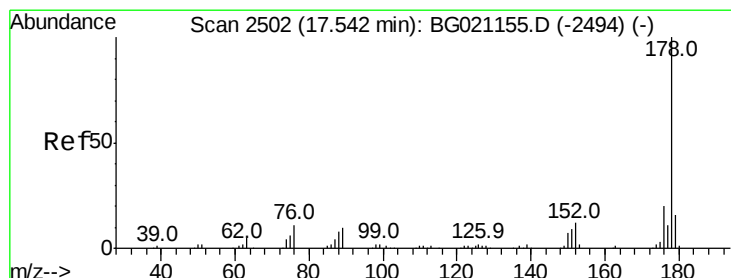
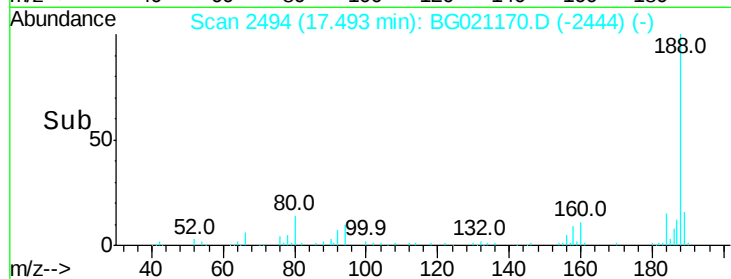
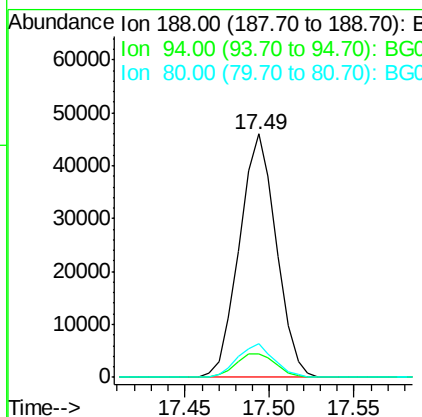
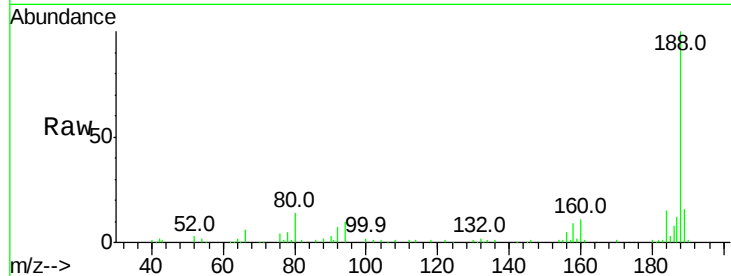
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BG021170.D
 Acq: 1 Mar 2016 00:49

Instrument :
 BNA_G
 ClientSampleId :
 40053+15(0-2)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.2	12.4
80	13.7	9.2	13.8

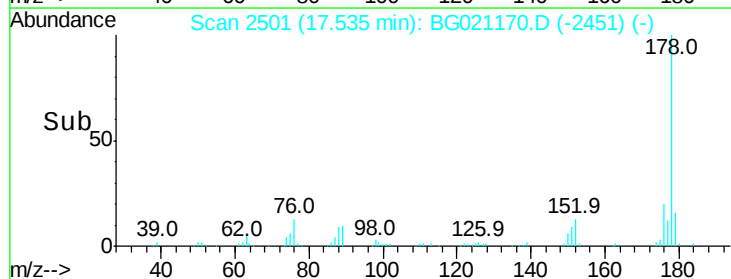
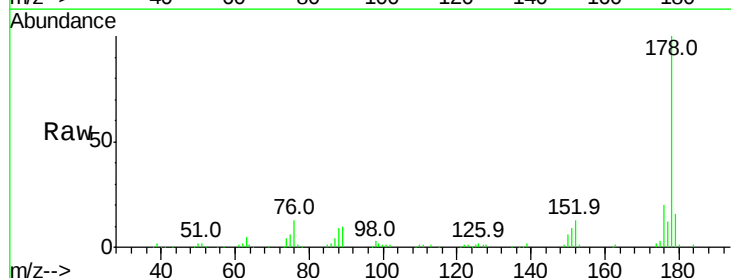
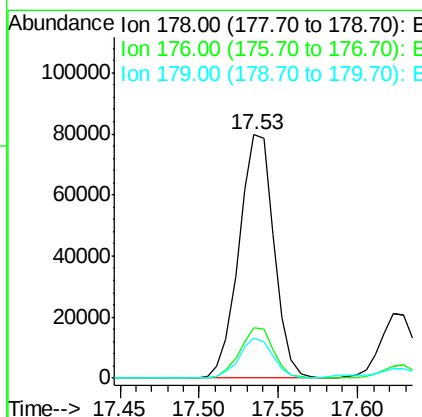
Manual Integrations
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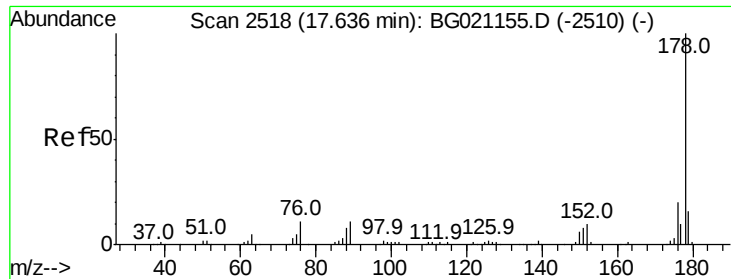
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#70
 Phenanthrene
 Concen: 32.25 ng
 RT: 17.53 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BG021170.D
 Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.5	16.2	24.4
179	16.4	12.9	19.3





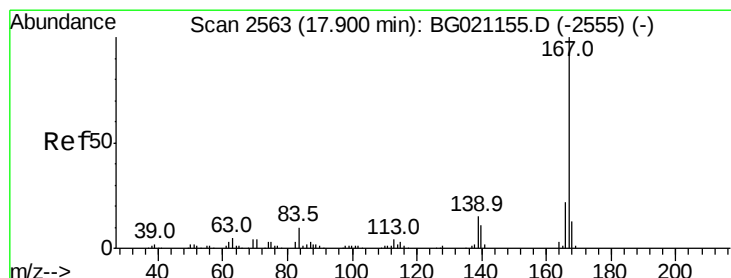
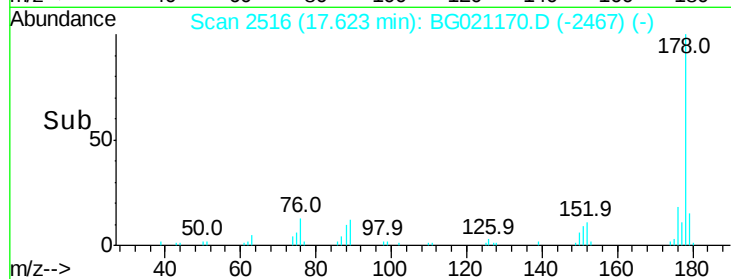
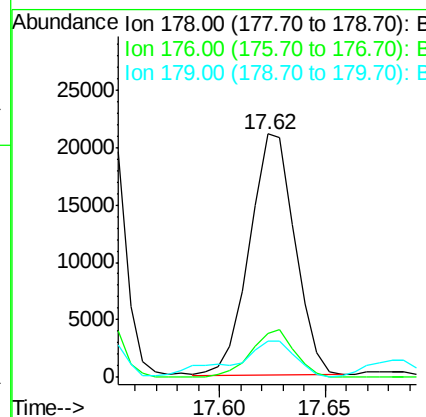
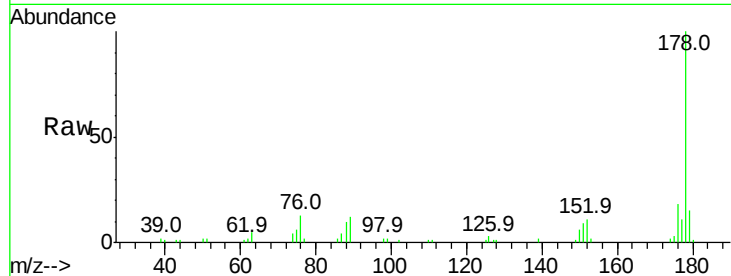
#71
 Anthracene
 Concen: 8.12 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.01 min
 Lab File: BG021170.D
 Acq: 1 Mar 2016 00:49

Instrument :
 BNA_G
 ClientSampleId :
 40053+15(0-2)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	15.1	12.6	19.0

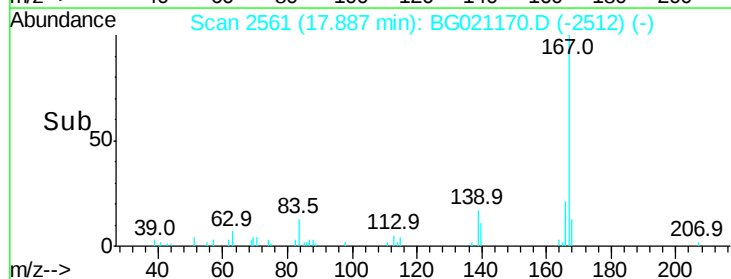
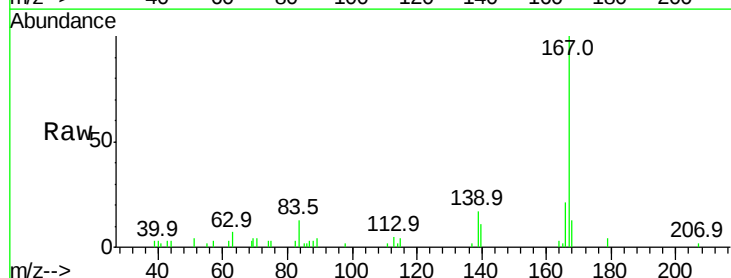
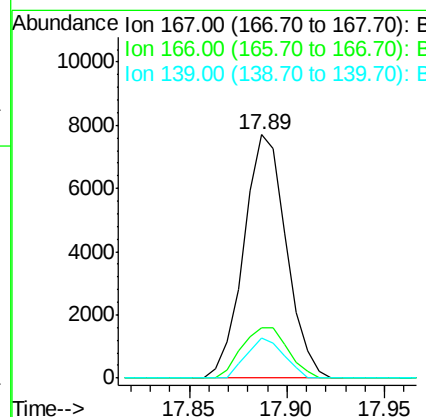
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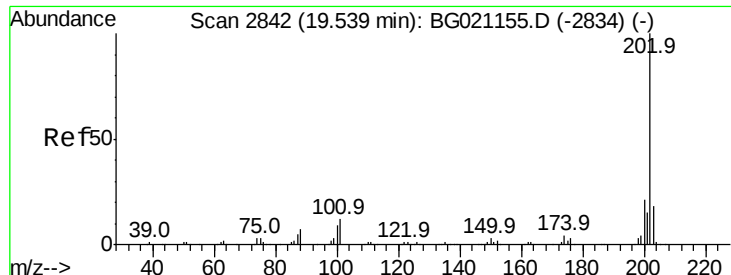
Sohil
 3/1/2016 6:50:29 PM



#72
 Carbazole
 Concen: 3.38 ng
 RT: 17.89 min Scan# 2561
 Delta R.T. -0.01 min
 Lab File: BG021170.D
 Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.5	26.3
139	16.7	10.3	15.5#





#74

Fluoranthene

Concen: 41.82 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Instrument :

BNA_G

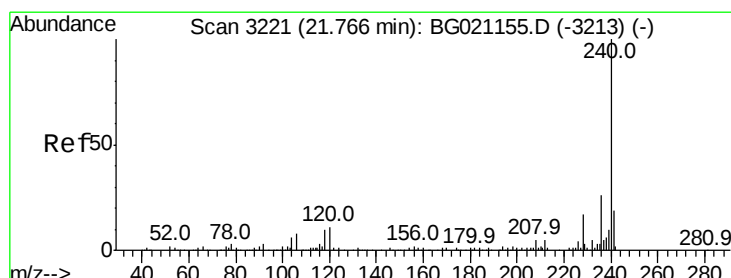
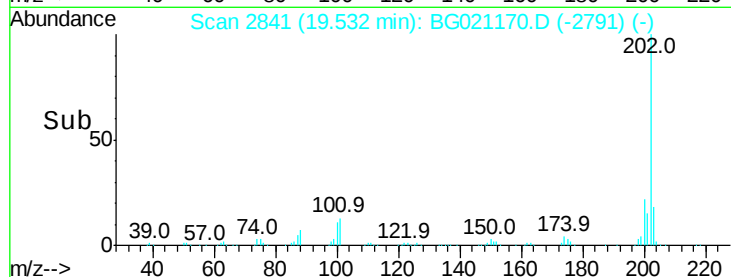
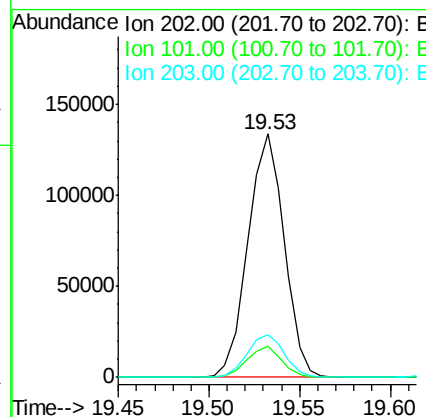
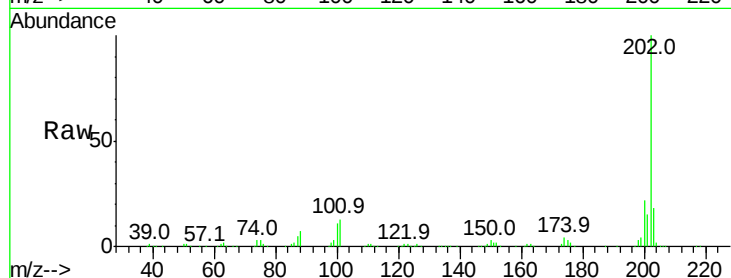
ClientSampleId :

40053+15(0-2)DL

Tot Ion:	202	Resp:	186034
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.5
203	17.6	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

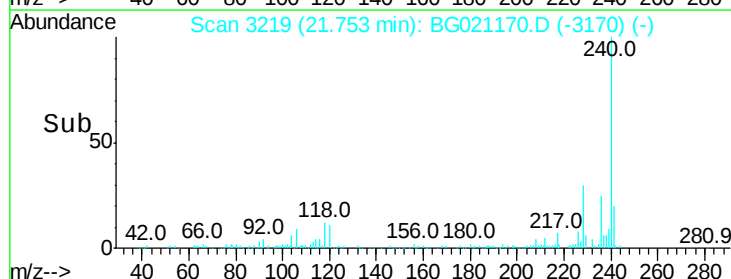
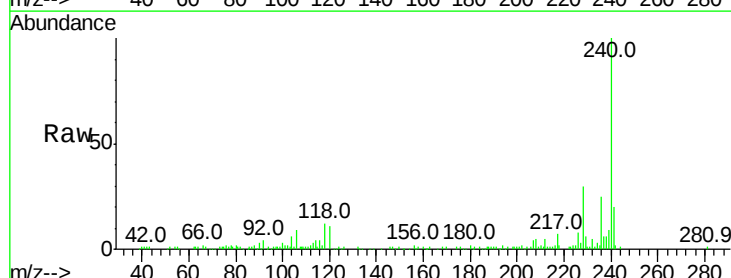
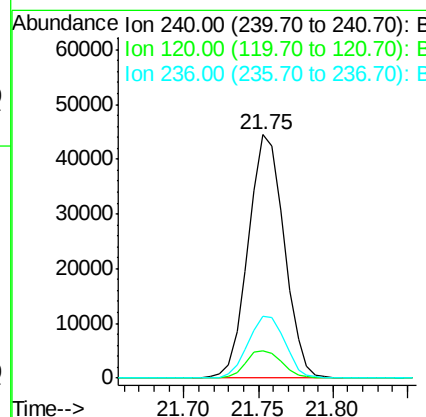
RT: 21.75 min Scan# 3219

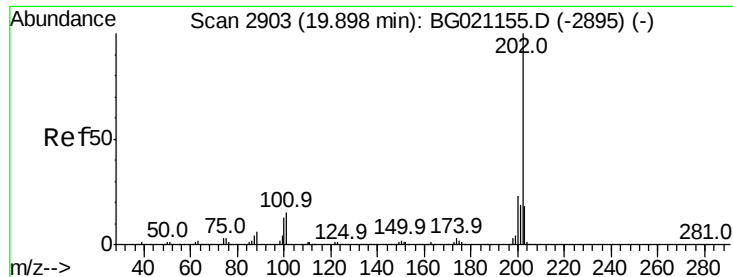
Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Tgt Ion:	240	Resp:	73832
Ion Ratio	Lower	Upper	
240	100		
120	11.0	7.5	11.3
236	25.4	20.5	30.7





#77

Pvrene

Concen: 34.49 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Instrument :

BNA_G

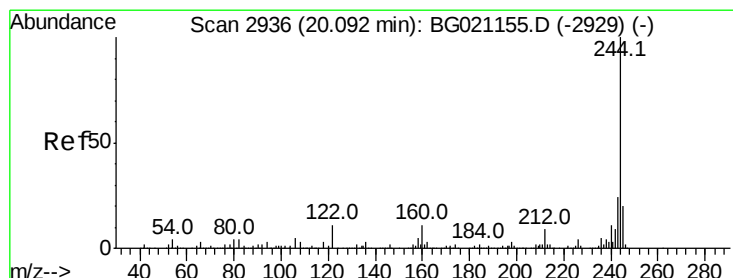
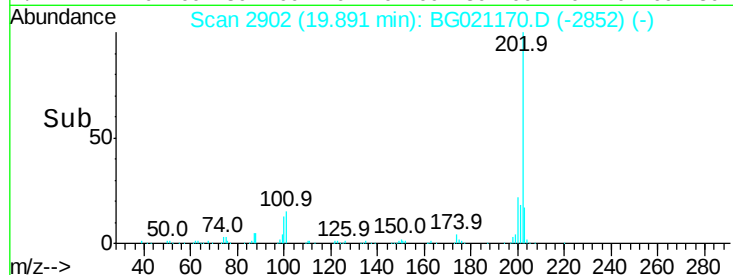
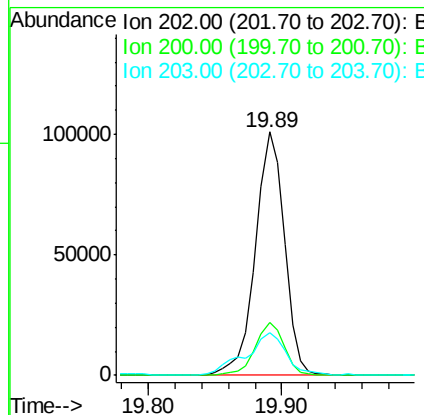
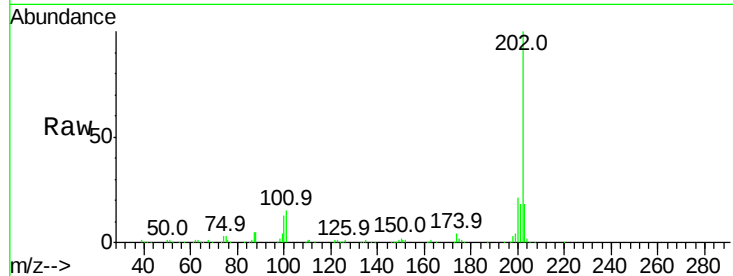
ClientSampleId :

40053+15(0-2)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.5	16.6	25.0		
203	17.5	13.8	20.8		

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#78

Terphenyl-d14

Concen: 29.95 ng

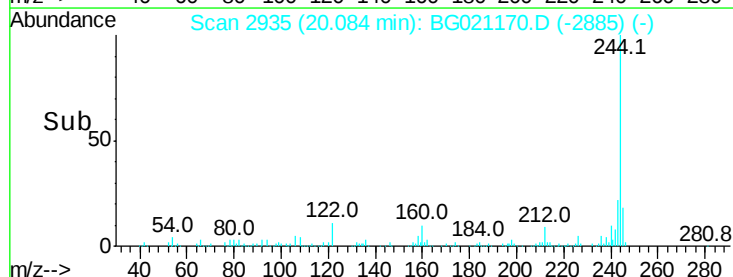
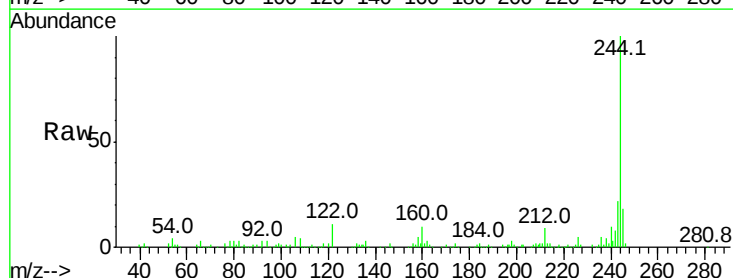
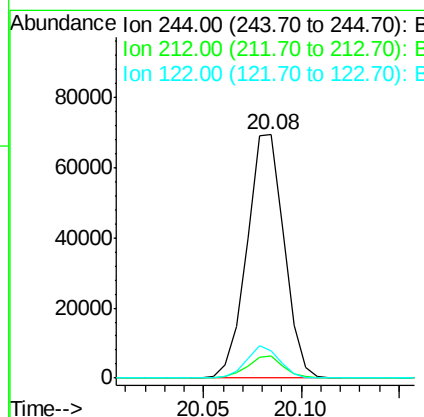
RT: 20.08 min Scan# 2935

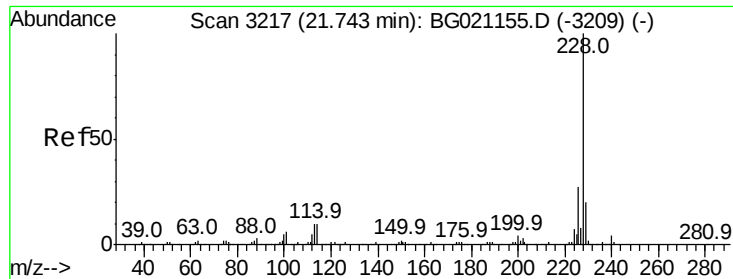
Delta R.T. -0.01 min

Lab File: BG021170.D

Acq: 1 Mar 2016 00:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	9.0	5.8	8.6#		
122	11.0	8.3	12.5		





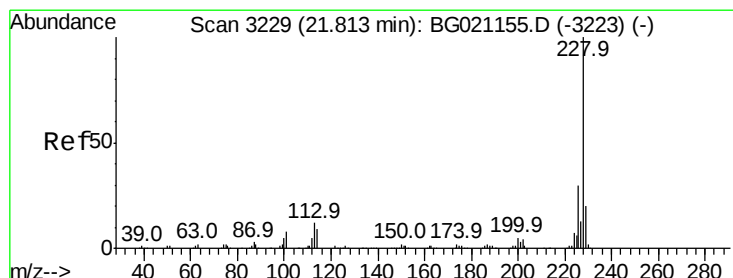
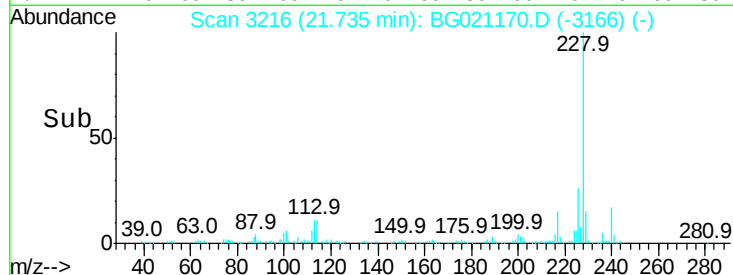
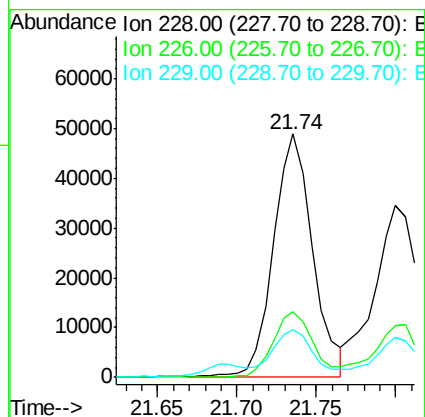
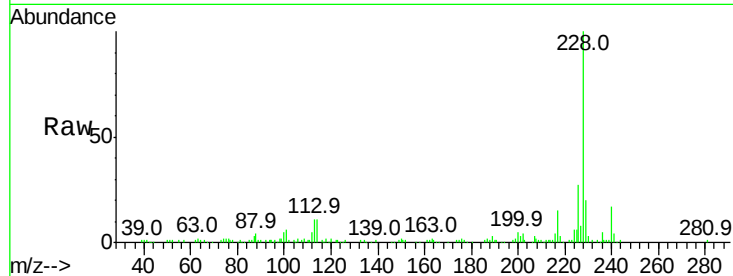
#80
Benzo(a)anthracene
Concen: 19.10 ng
RT: 21.74 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Instrument :
BNA_G
ClientSampleId :
40053+15(0-2)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.7	34.1
229	19.8	15.5	23.3

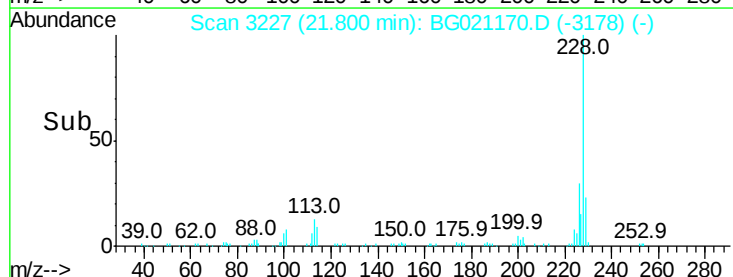
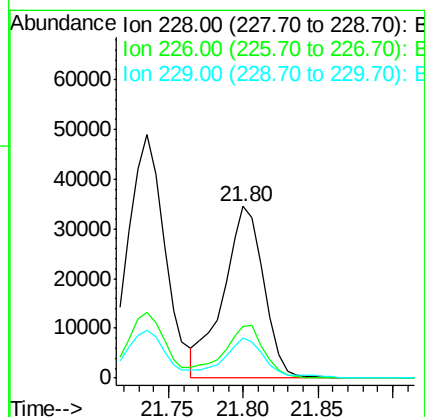
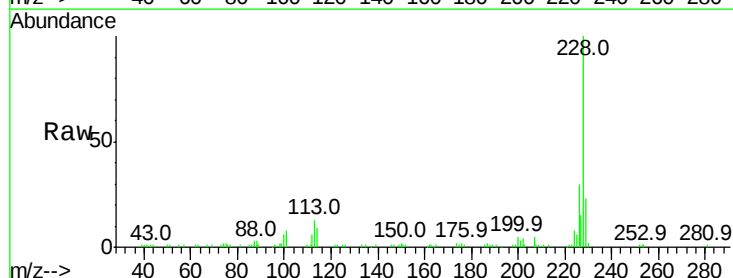
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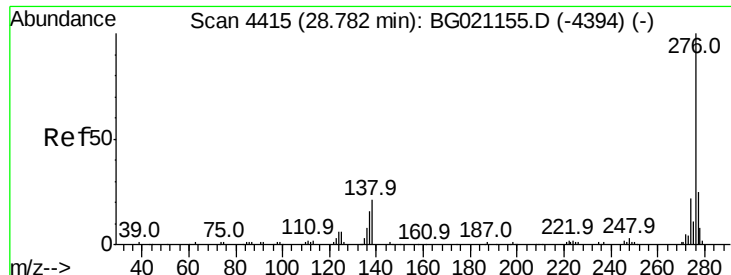
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#82
Chrysene
Concen: 15.76 ng
RT: 21.80 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	23.1	16.7	25.1





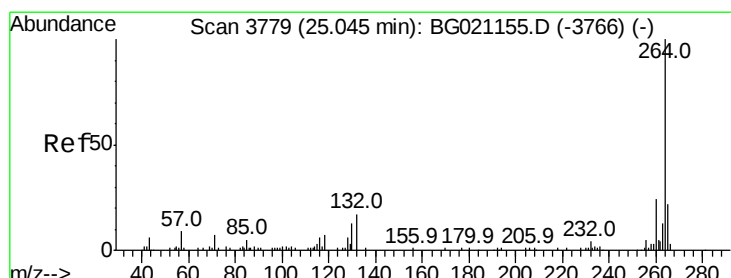
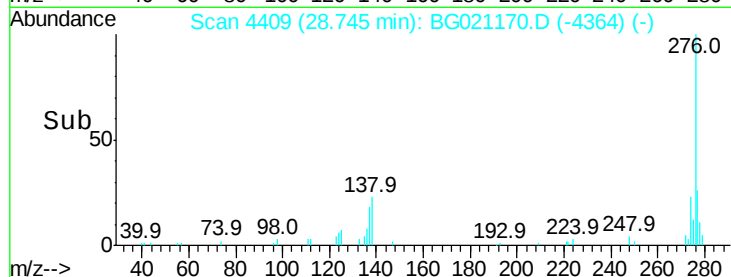
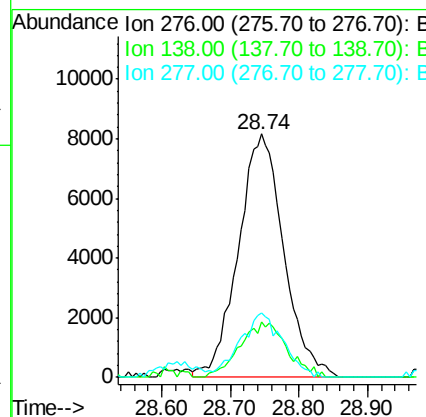
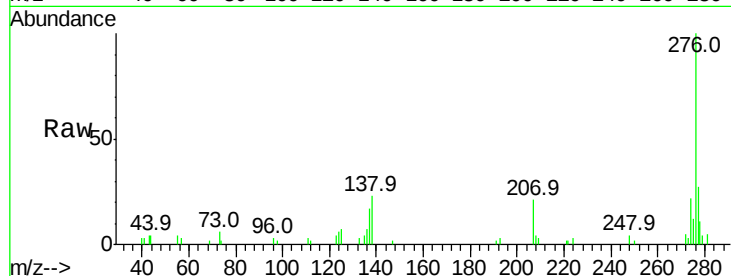
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.90 ng
 RT: 28.74 min Scan# 4409
 Delta R.T. -0.04 min
 Lab File: BG021170.D
 Acq: 1 Mar 2016 00:49

Instrument :
 BNA_G
 ClientSampleId :
 40053+15(0-2)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	0.0	0.0#
277	25.0	0.0	0.0#

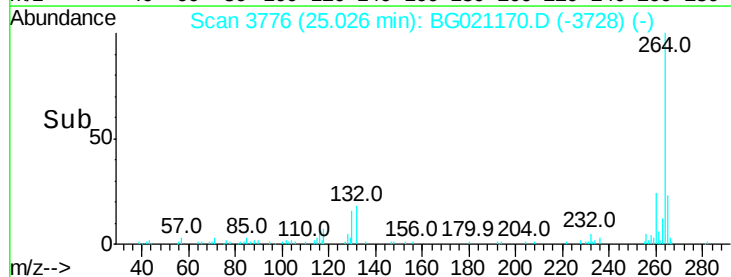
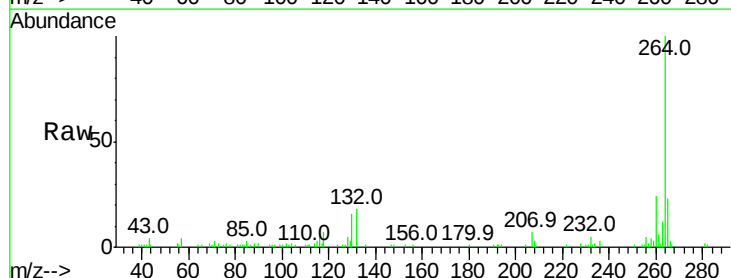
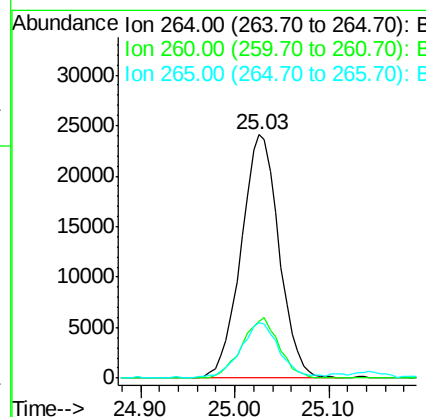
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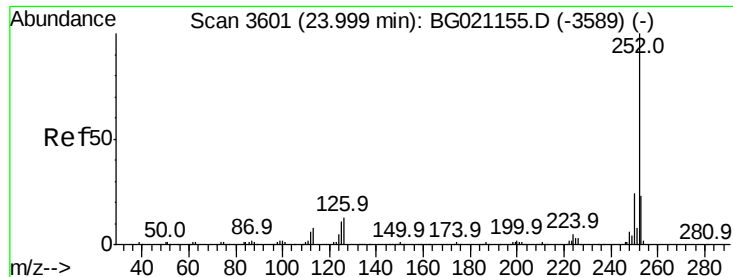
Sohil
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.03 min Scan# 3776
 Delta R.T. -0.02 min
 Lab File: BG021170.D
 Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.8	18.6	28.0





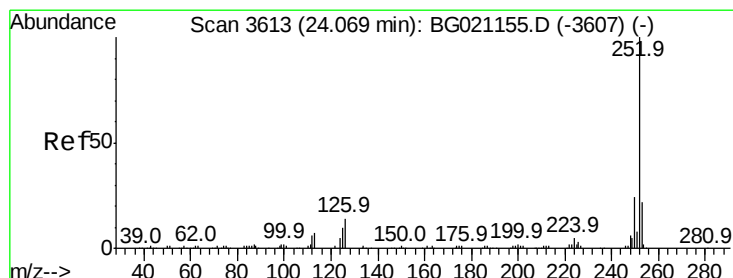
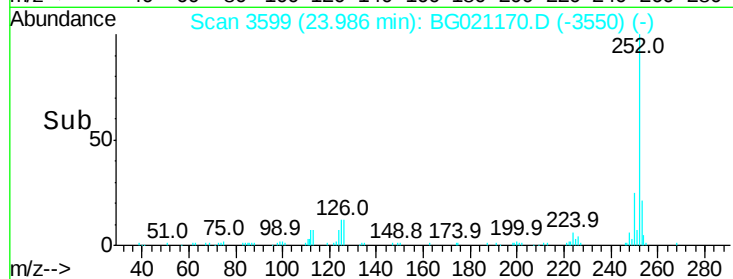
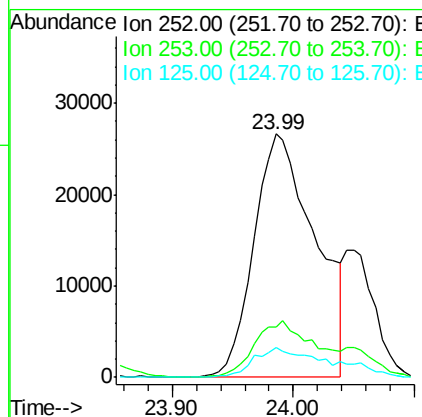
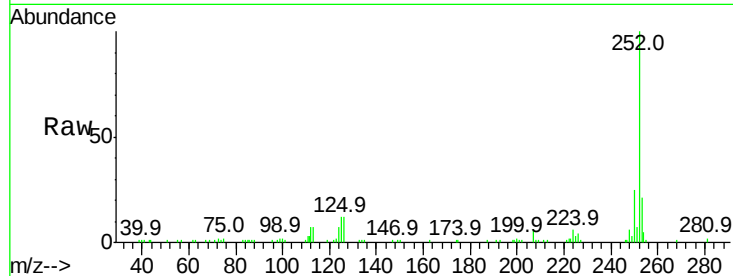
#87
Benzo(b)fluoranthene
Concen: 22.17 ng
RT: 23.99 min Scan# 3599
Delta R.T. -0.01 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Instrument :
BNA_G
ClientSampleId :
40053+15(0-2)DL

Tot Ion:	252	Resp:	93747
Ion Ratio	Lower	Upper	
252	100		
253	20.6	16.8	25.2
125	12.1	8.2	12.2

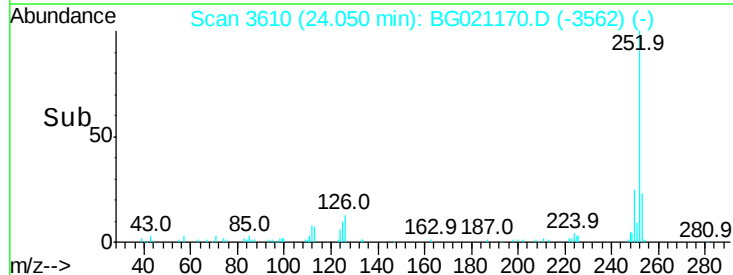
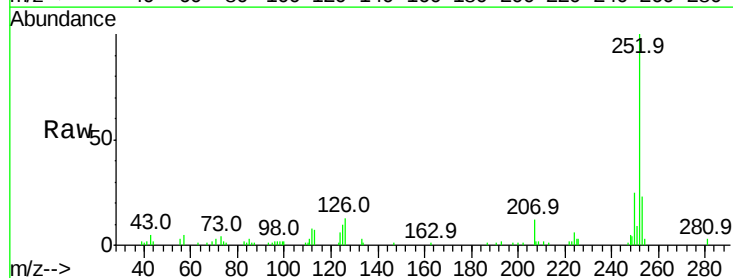
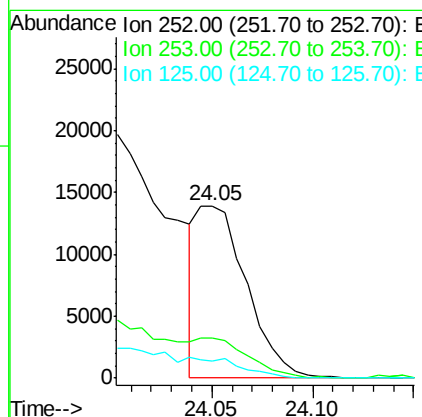
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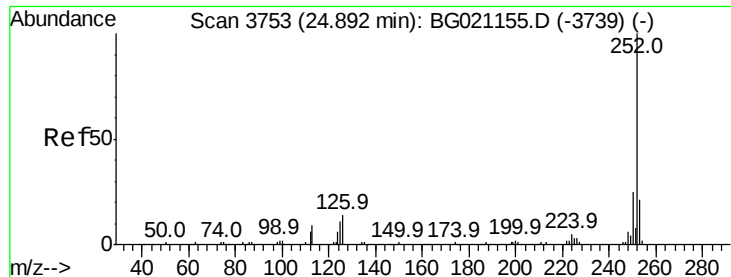
Sohil
3/1/2016 6:50:29 PM



#88
Benzo(k)fluoranthene
Concen: 5.61 ng m
RT: 24.05 min Scan# 3610
Delta R.T. -0.02 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Tgt Ion:	252	Resp:	23771
Ion Ratio	Lower	Upper	
252	100		
253	23.2	16.4	24.6
125	10.2	8.2	12.2





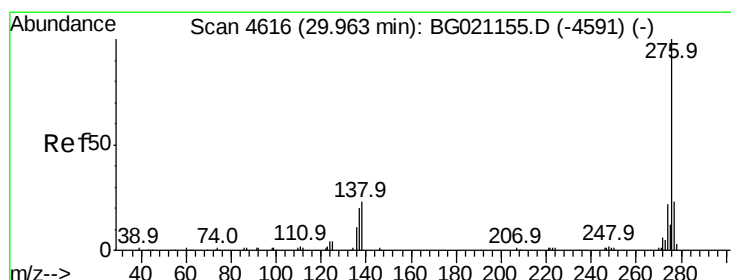
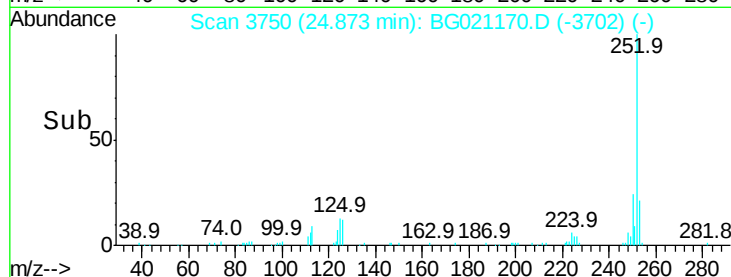
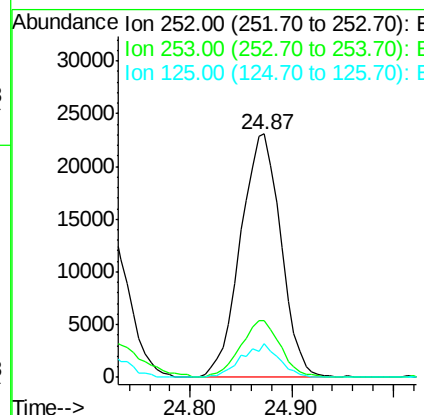
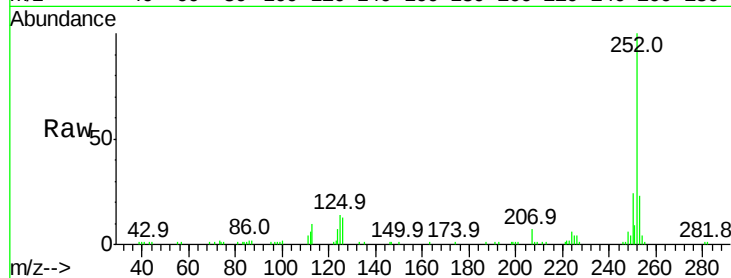
#89
Benzo(a)pyrene
Concen: 15.63 ng
RT: 24.87 min Scan# 3750
Delta R.T. -0.02 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Instrument :
BNA_G
ClientSampleId :
40053+15(0-2)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	15.8	23.8
125	13.7	8.4	12.6

Manual Integrations
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3/1/2016 6:50:29 PM



#91
Benzo(g,h,i)perylene
Concen: 8.27 ng
RT: 29.91 min Scan# 4607
Delta R.T. -0.05 min
Lab File: BG021170.D
Acq: 1 Mar 2016 00:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	16.6	25.0
138	23.5	14.6	21.8

