

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
 Data File : BG021142.D
 Acq On : 28 Feb 2016 8:45
 Operator : UM/SJ
 Sample : H1526-05
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-04

Manual Integrations
 APPROVED

Sohil
 2/29/2016 12:39:29 PM

Quant Time: Feb 29 01:13:28 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 26 16:39:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9602	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	47090	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	28769	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	66820	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	68086	20.00	ng	-0.02
86) Perylene-d12	25.05	264	62721	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	62422	113.81	ng	0.00
7) Phenol-d6	7.31	99	100603	123.27	ng	-0.02
23) Nitrobenzene-d5	9.33	82	72394	73.25	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	31205	82.73	ng	-0.01
44) 2-Fluorobiphenyl	13.40	172	127305	56.63	ng	-0.01
78) Terphenyl-d14	20.09	244	181923	62.44	ng	-0.02
Target Compounds						
49) Dimethylphthalate	14.22	163	23030	9.29	ng	Qvalue # 98
70) Phenanthrene	17.55	178	19834	5.52	ng	96
74) Fluoranthene	19.54	202	73868	16.38	ng	99
77) Pyrene	19.90	202	67802	17.98	ng	98
80) Benzo(a)anthracene	21.75	228	40771	10.41	ng	99
82) Chrysene	21.81	228	37461	9.93	ng	97
85) Indeno(1,2,3-cd)pyrene	28.77	276	22270	4.90	ng	# 100
87) Benzo(b)fluoranthene	24.01	252	51220	13.06	ng	97
88) Benzo(k)fluoranthene	24.07	252	19759m	5.11	ng	
89) Benzo(a)pyrene	24.89	252	27954	7.43	ng	# 92
91) Benzo(g,h,i)perylene	29.95	276	19278	5.28	ng	# 89

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

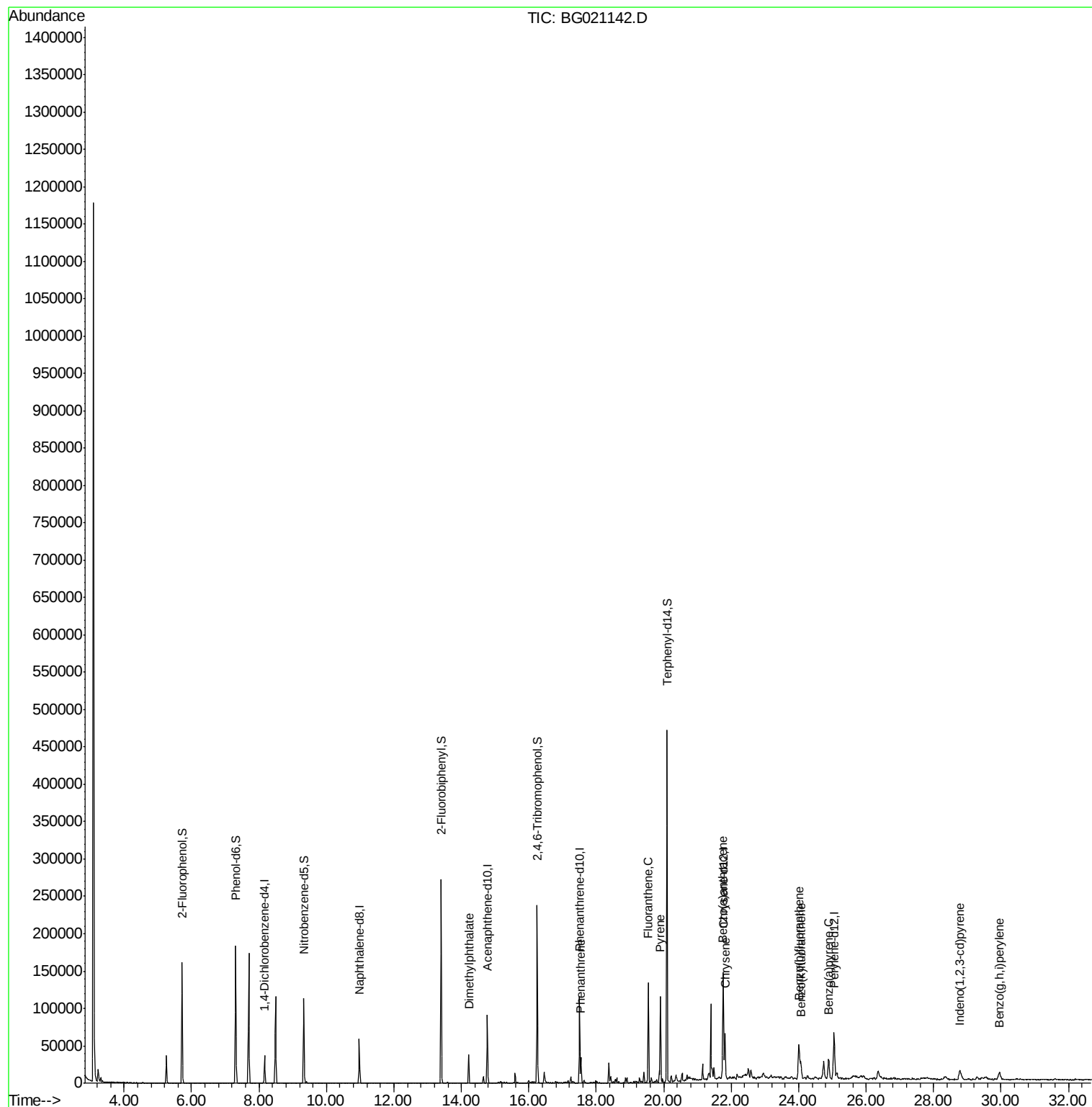
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
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Misc :
ALS Vial : 59 Sample Multiplier: 1

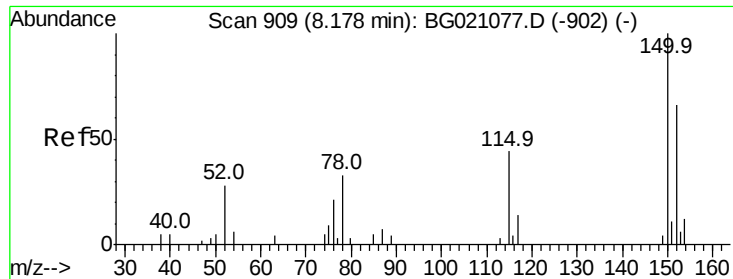
Instrument :
BNA_G
ClientSampleId :
P-04

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

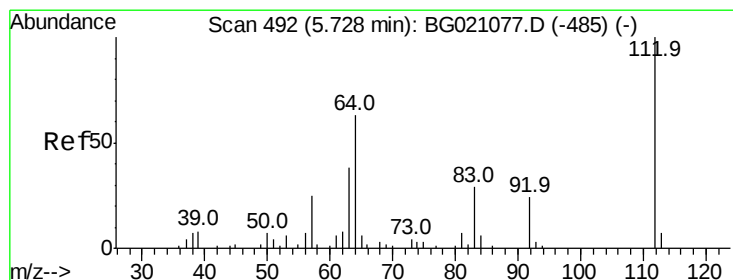
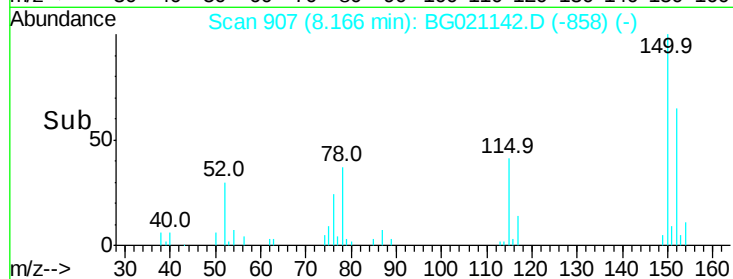
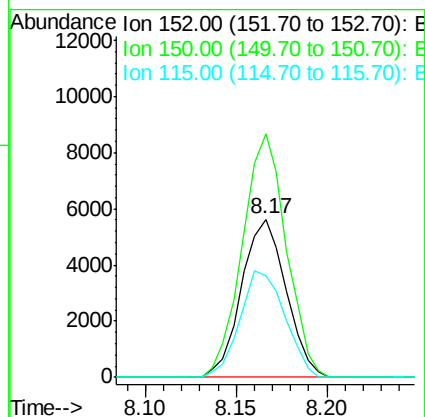
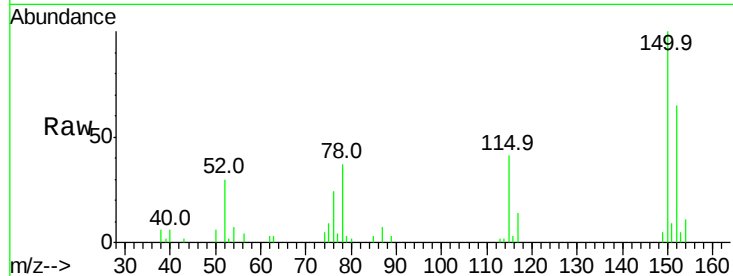
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 907
Delta R.T. -0.01 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Instrument :
BNA_G
ClientSampled :
P-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.4	185.2
115	64.0	43.3	64.9

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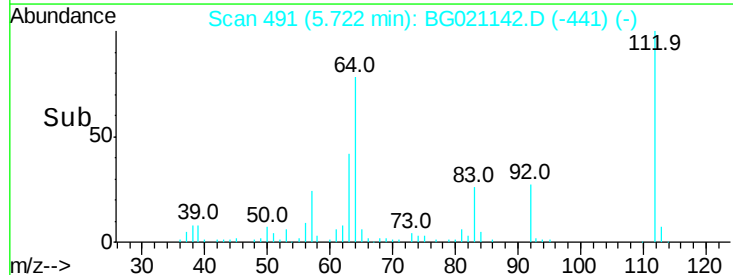
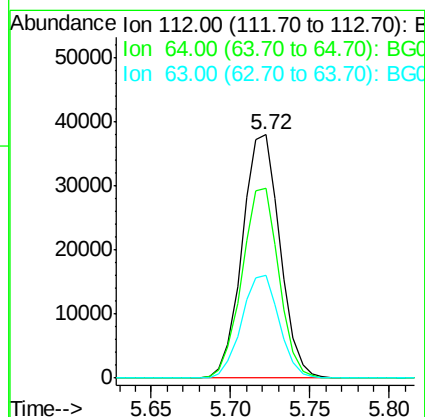
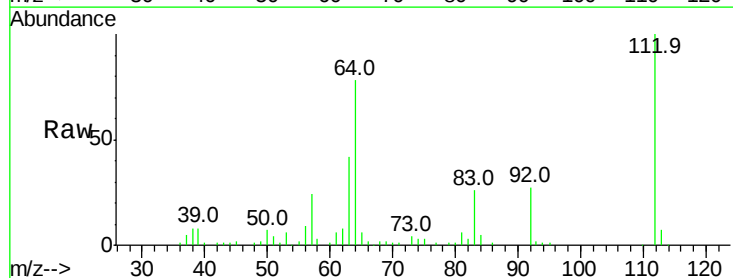
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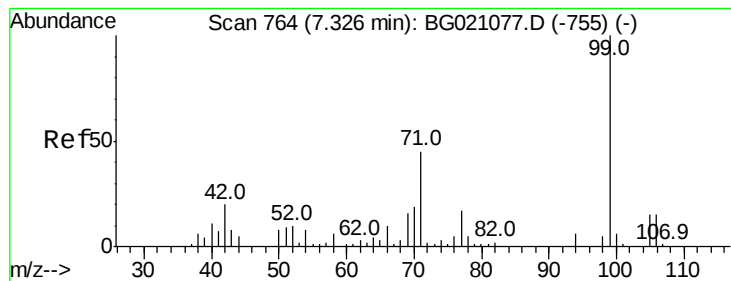


#5

2-Fluorophenol
Concen: 113.81 ng
RT: 5.72 min Scan# 491
Delta R.T. -0.01 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.9	42.6	63.8#
63	42.2	21.7	32.5#





#7

Phenol-d6

Concen: 123.27 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

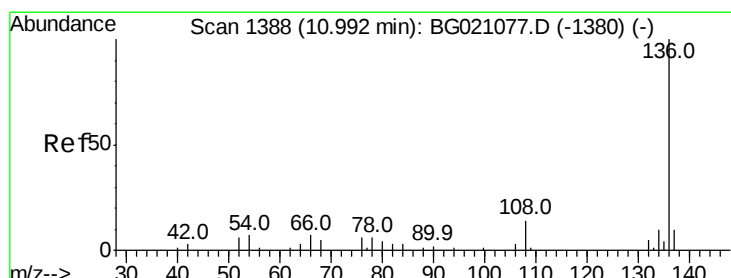
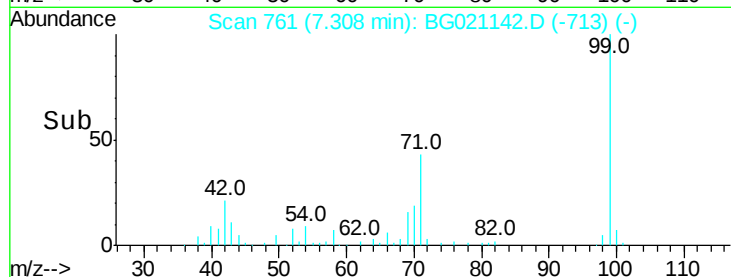
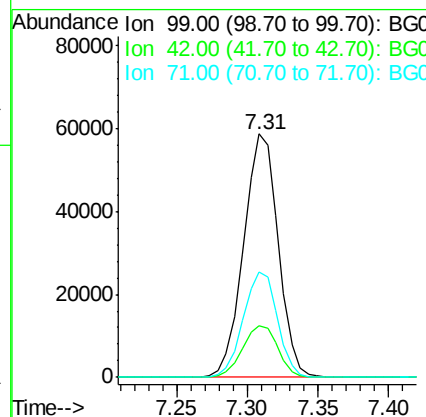
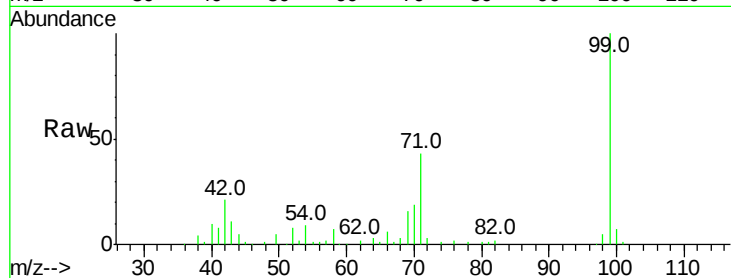
ClientSampleId :

P-04

Tot Ion:	99	Resp:	100603
Ion Ratio	Lower	Upper	
99	100		
42	21.1	13.2	19.8#
71	43.4	25.2	37.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

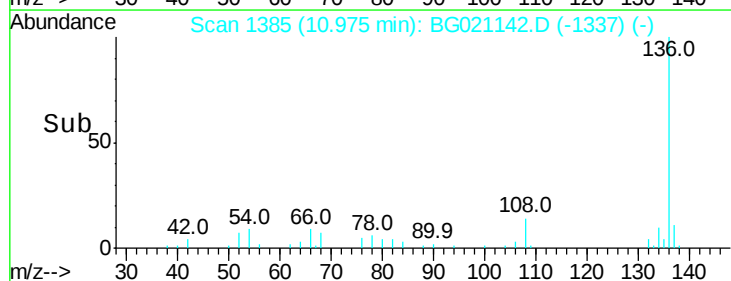
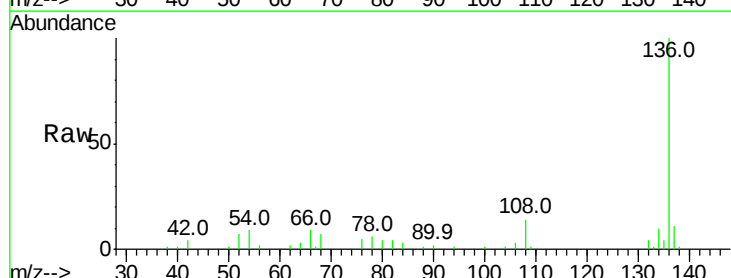
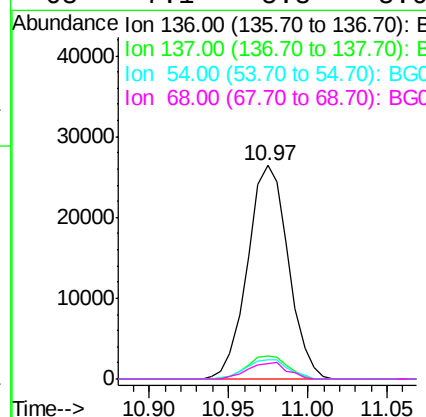
RT: 10.97 min Scan# 1385

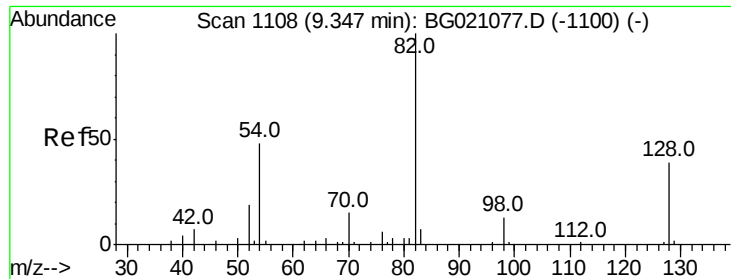
Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:	136	Resp:	47090
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	9.0	6.9	10.3
68	7.1	5.8	8.6





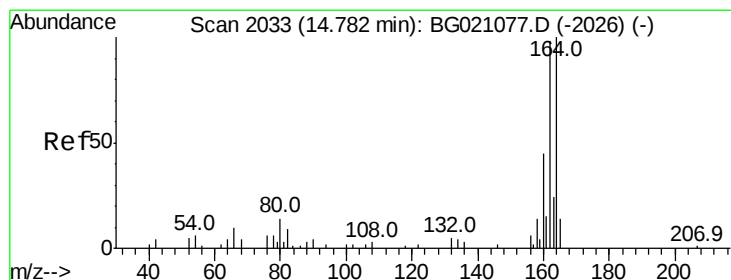
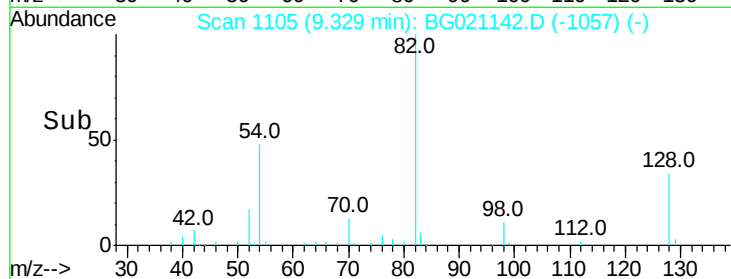
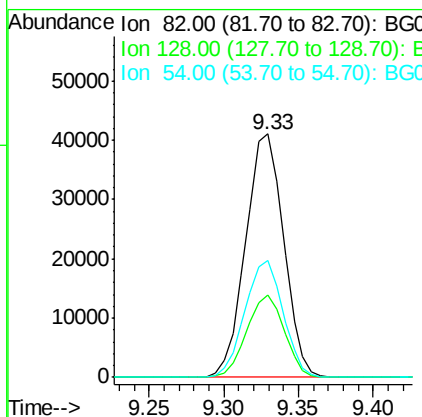
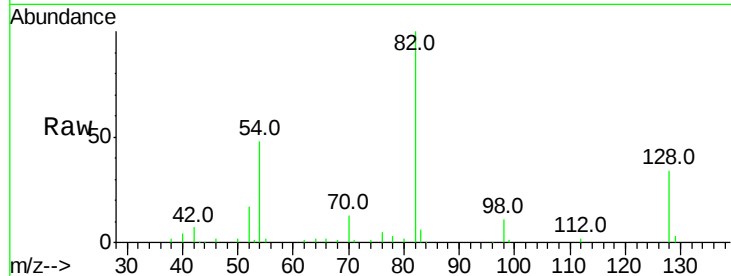
#23
Nitrobenzene-d5
Concen: 73.25 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.02 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Instrument :
BNA_G
ClientSampleId :
P-04

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.0	36.3	54.5#
54	48.1	37.6	56.4

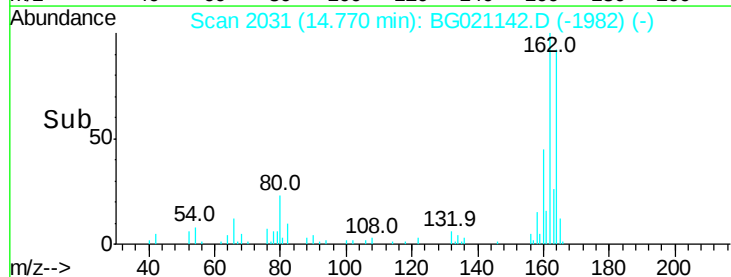
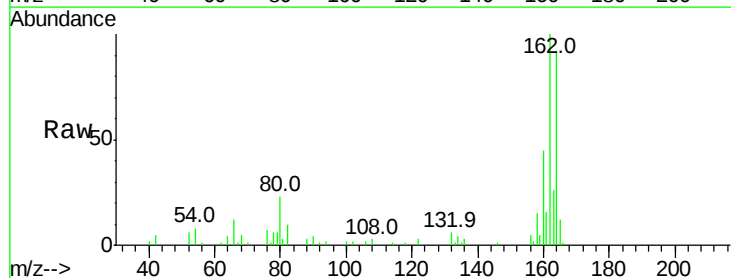
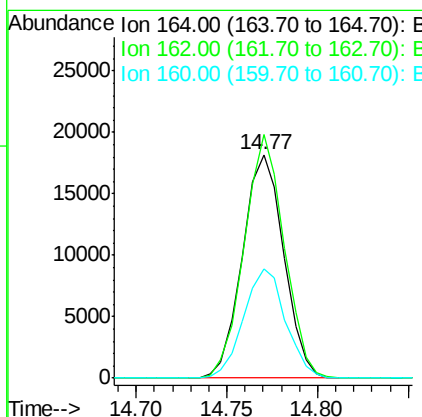
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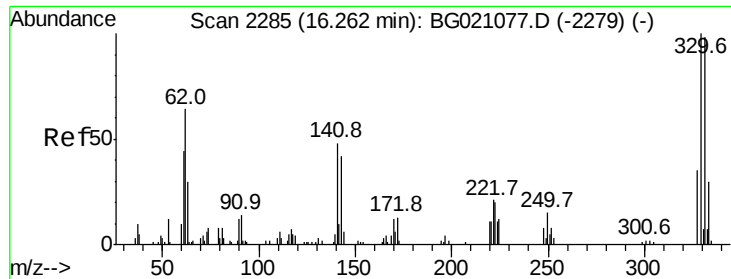
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.1	80.6	120.8
160	49.1	36.5	54.7





#41

2,4,6-Tribromophenol

Concen: 82.73 ng

RT: 16.25 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

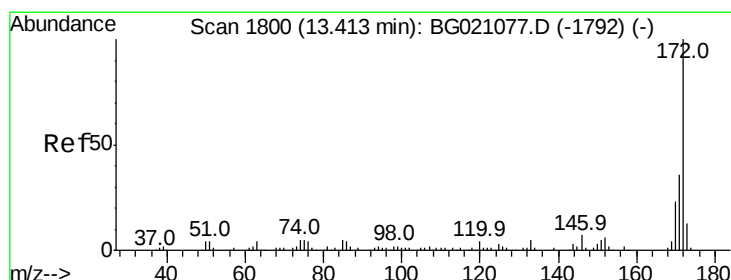
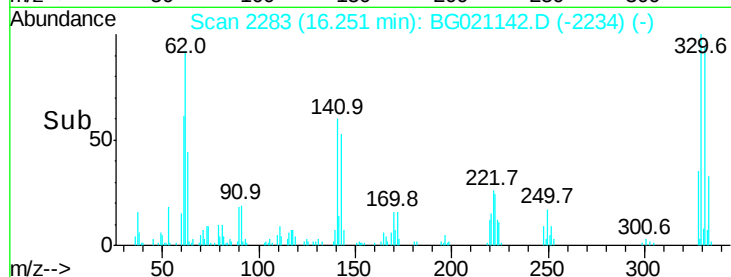
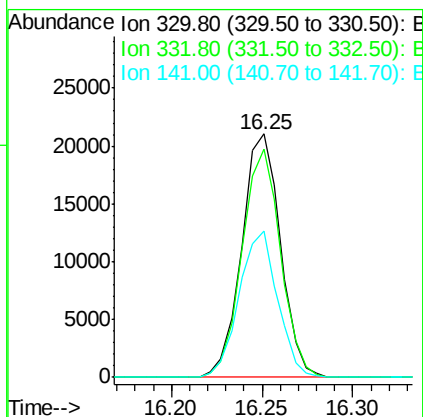
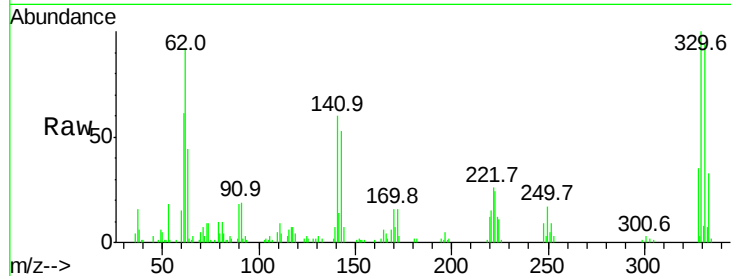
ClientSampleId :

P-04

Tot Ion:	330	Resp:	31205
Ion Ratio	Lower	Upper	
330	100		
332	93.2	77.4	116.0
141	59.6	35.3	52.9#

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 56.63 ng

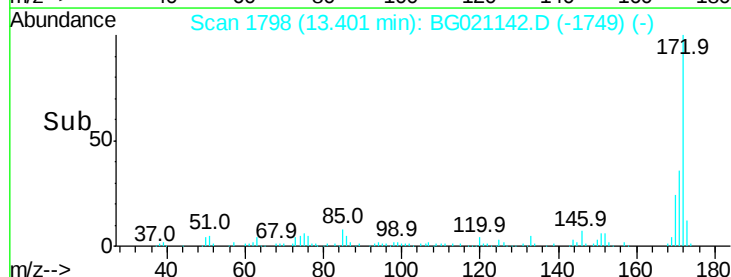
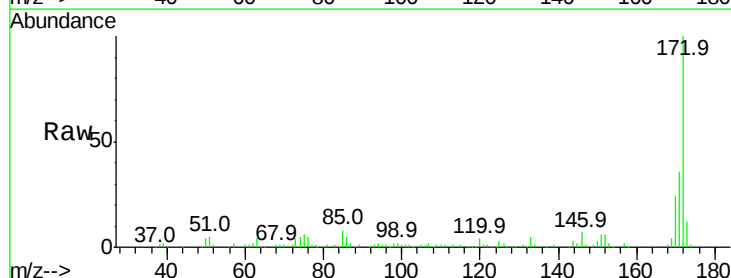
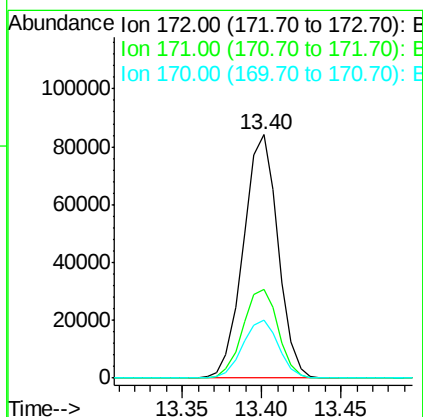
RT: 13.40 min Scan# 1798

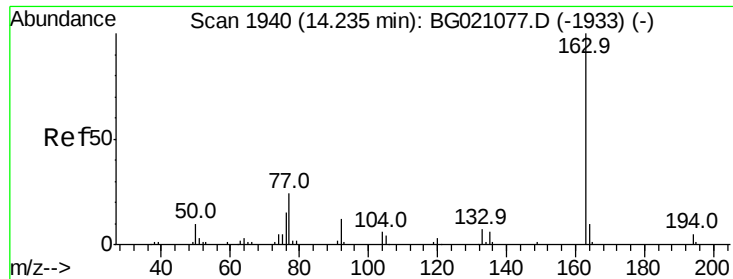
Delta R.T. -0.01 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:	172	Resp:	127305
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.4	44.0
170	23.6	19.8	29.8





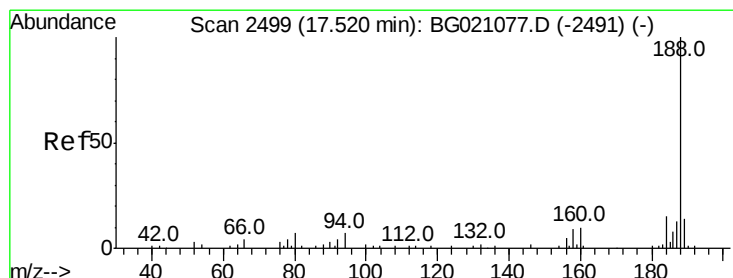
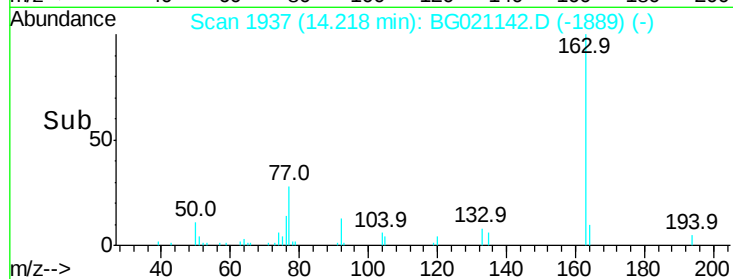
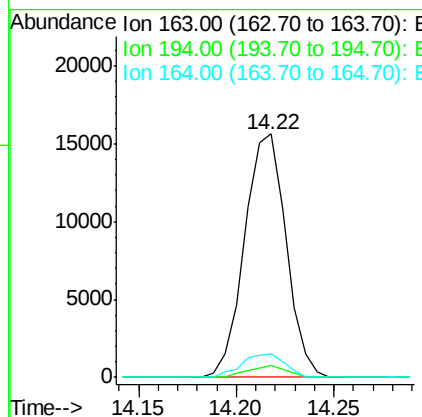
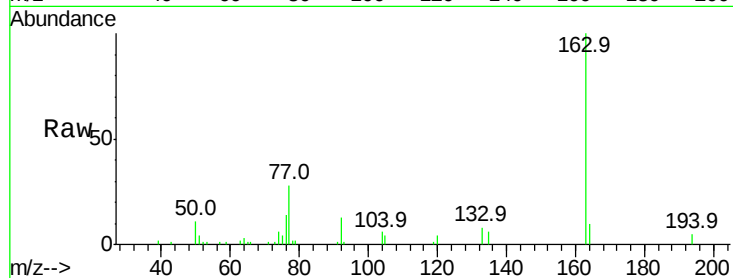
#49
Dimethylphthalate
Concen: 9.29 ng
RT: 14.22 min Scan# 1937
Delta R.T. -0.02 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Instrument :
BNA_G
ClientSampleId :
P-04

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	5.2	2.8	4.2#
164	9.8	7.9	11.9

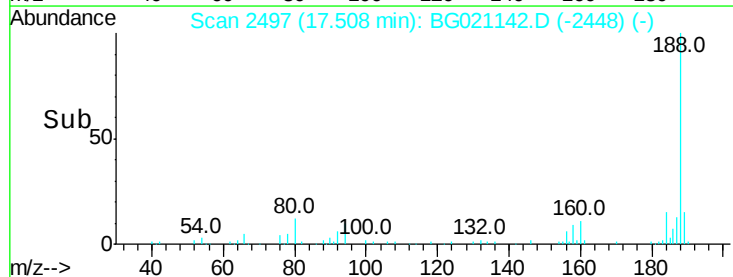
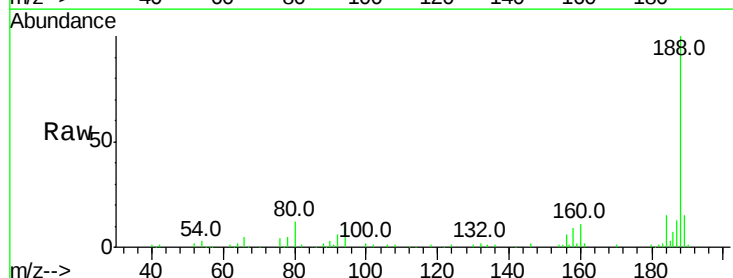
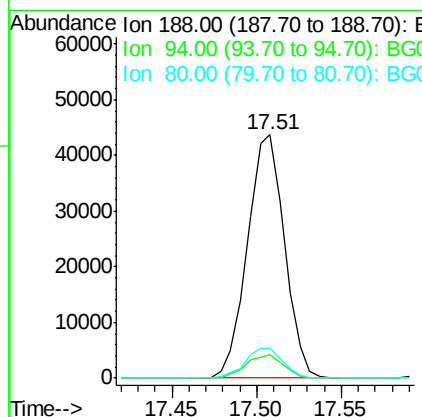
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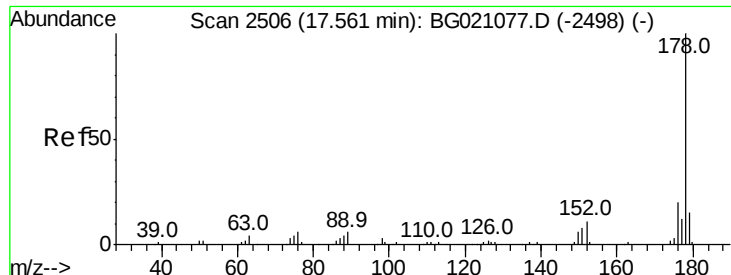
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.51 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.2	12.4
80	12.5	9.2	13.8





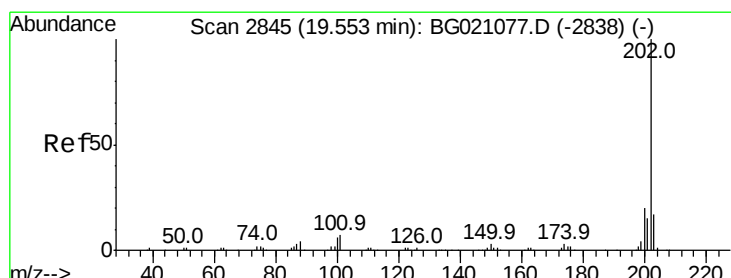
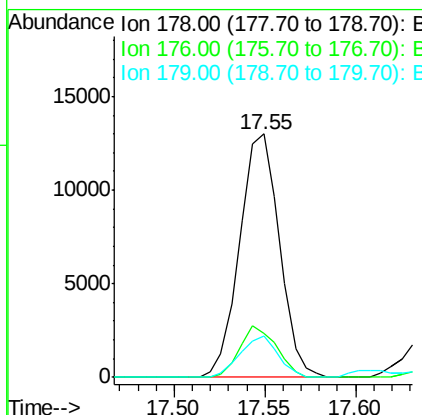
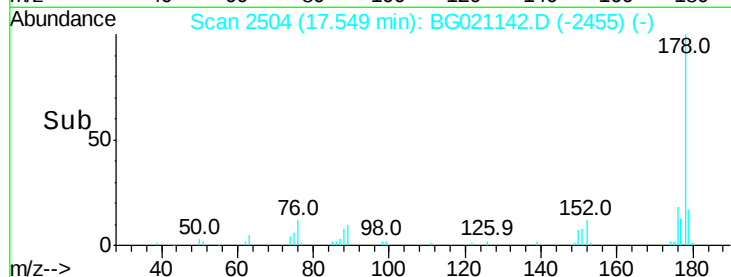
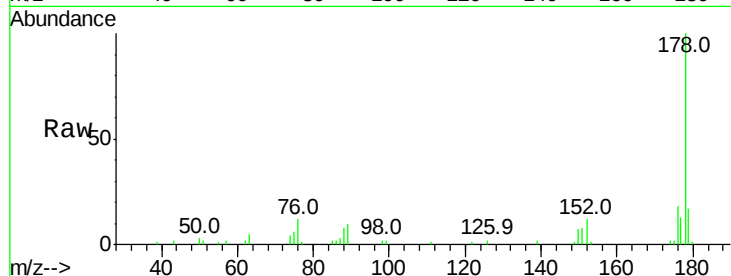
#70
 Phenanthrene
 Concen: 5.52 ng
 RT: 17.55 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BG021142.D
 Acq: 28 Feb 2016 8:45

Instrument :
 BNA_G
 ClientSampleId :
 P-04

Tot Ion	Ratio	Resp	Lower	Upper
178	100	19834		
176	18.0		16.2	24.4
179	17.1		12.9	19.3

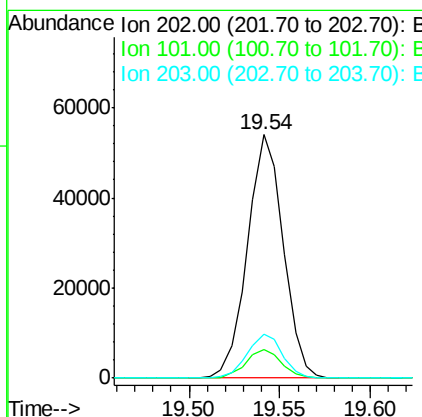
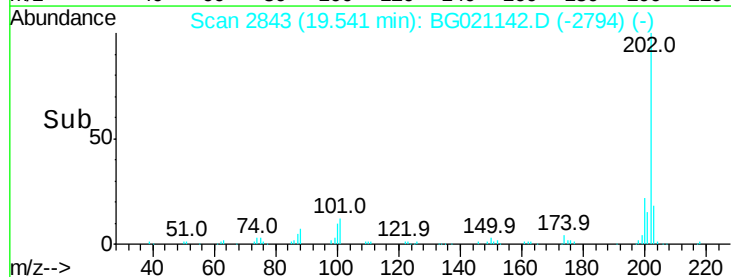
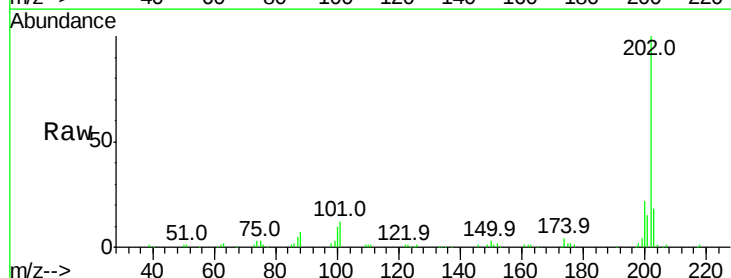
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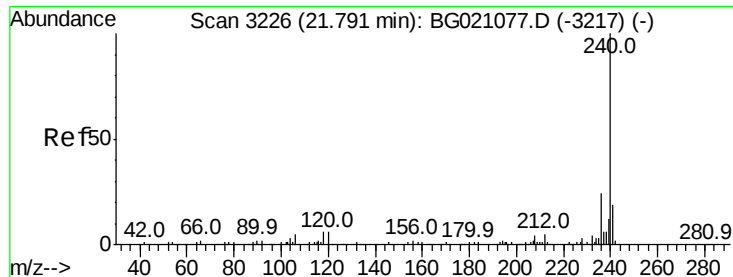
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#74
 Fluoranthene
 Concen: 16.38 ng
 RT: 19.54 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG021142.D
 Acq: 28 Feb 2016 8:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	73868		
101	11.8		0.0	32.5
203	17.9		0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3222

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

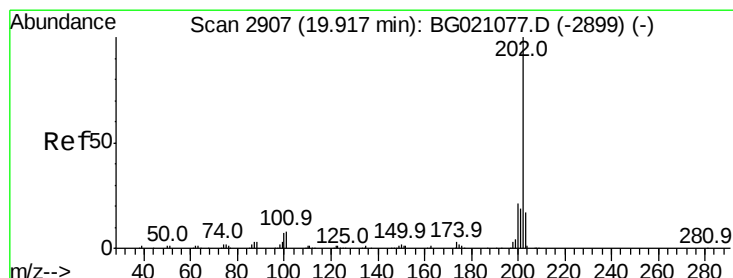
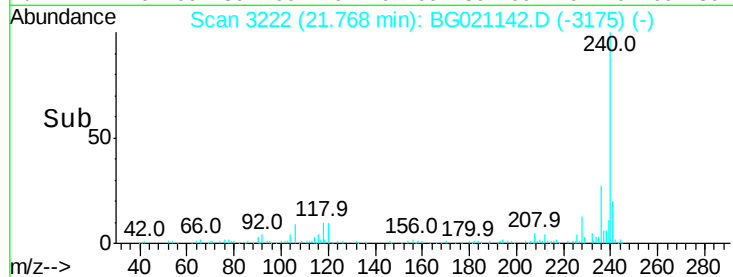
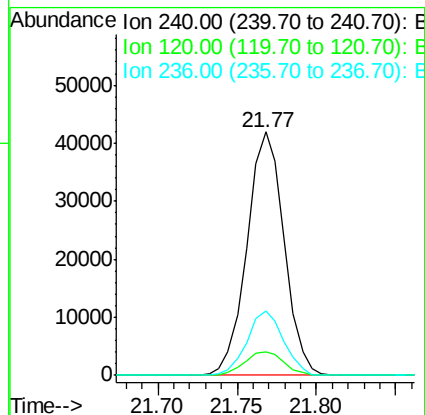
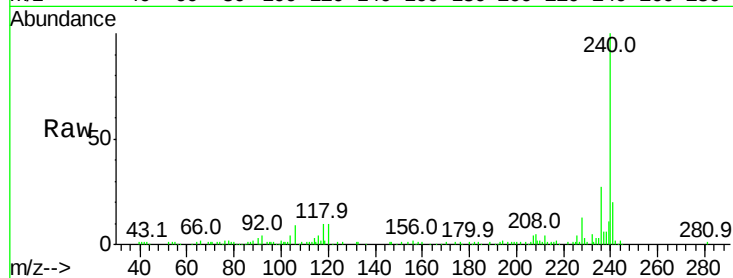
ClientSampled :

P-04

Tot Ion:	240	Resp:	68086
Ion Ratio	Lower	Upper	
240	100		
120	9.9	7.5	11.3
236	26.7	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 17.98 ng

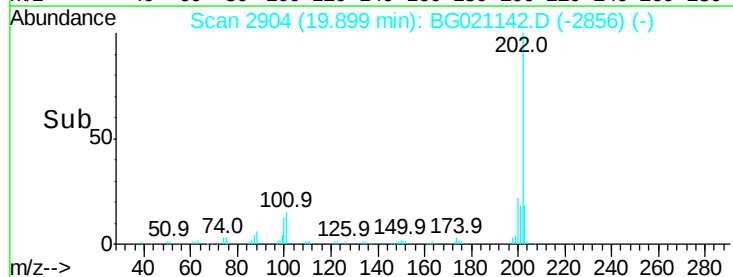
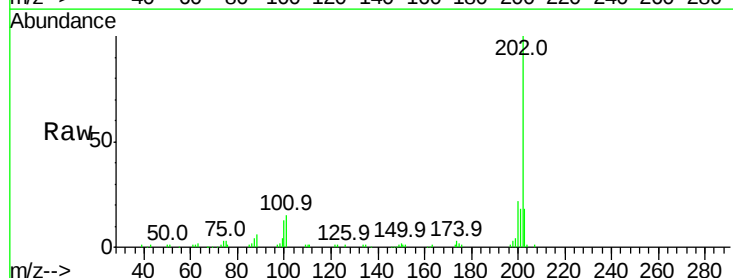
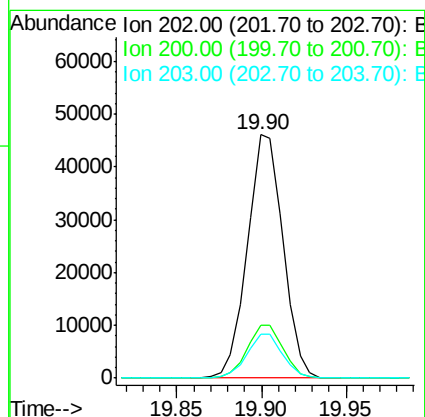
RT: 19.90 min Scan# 2904

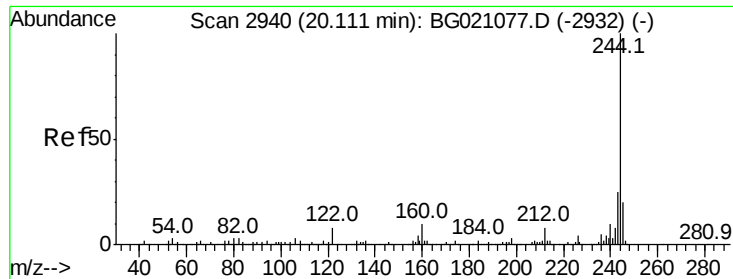
Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:	202	Resp:	67802
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.6	25.0
203	17.9	13.8	20.8





#78

Terphenyl-d14

Concen: 62.44 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

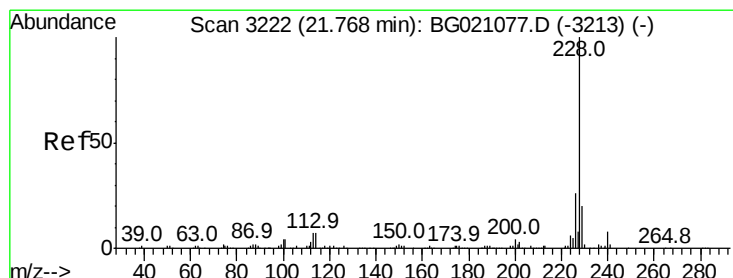
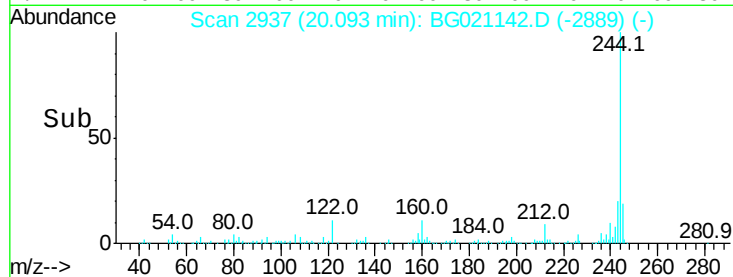
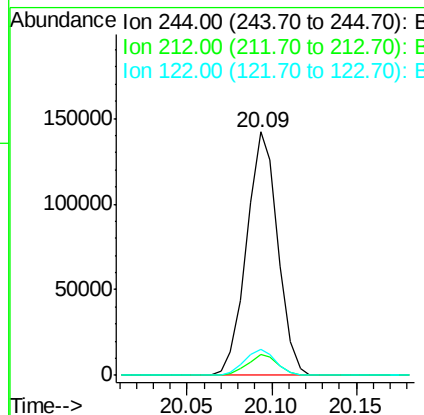
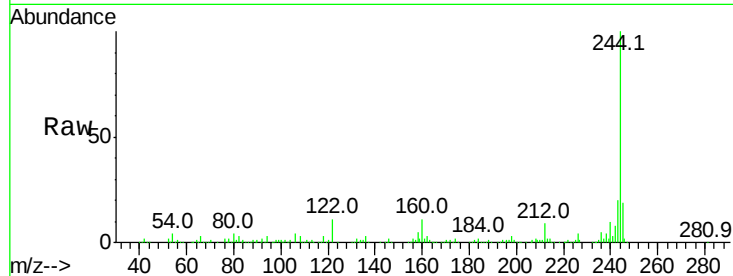
ClientSampleId :

P-04

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.8	5.8	8.6#
122	10.8	8.3	12.5

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#80

Benzo(a)anthracene

Concen: 10.41 ng

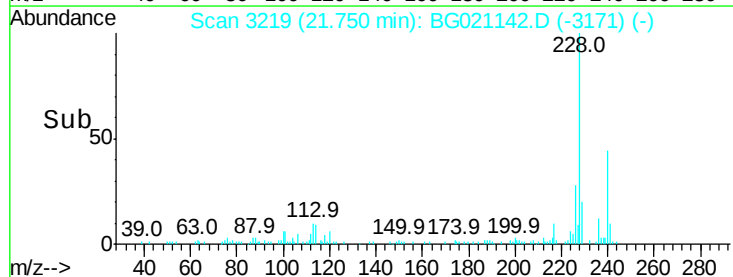
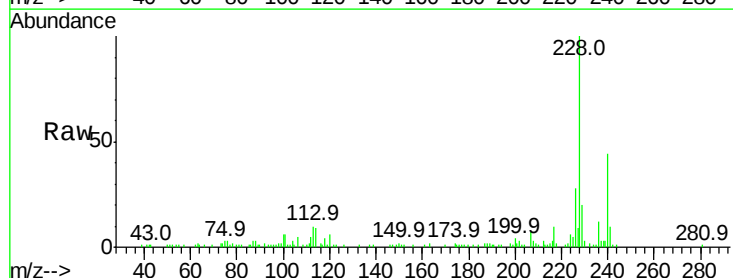
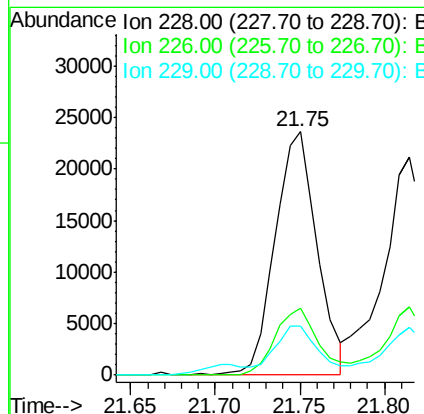
RT: 21.75 min Scan# 3219

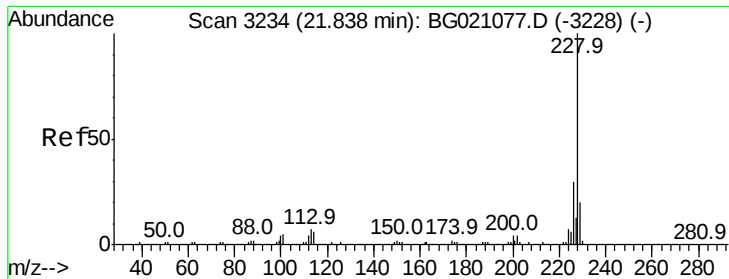
Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.7	22.7	34.1
229	20.0	15.5	23.3





#82

Chrysene

Concen: 9.93 ng

RT: 21.81 min Scan# 3230

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

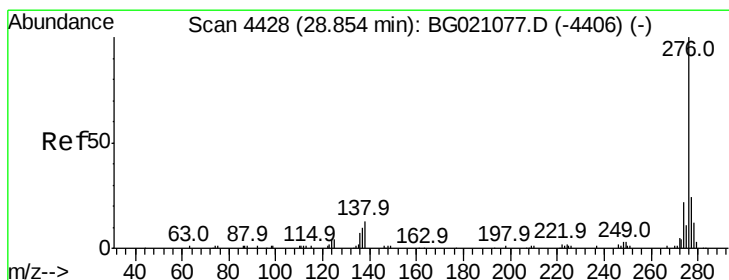
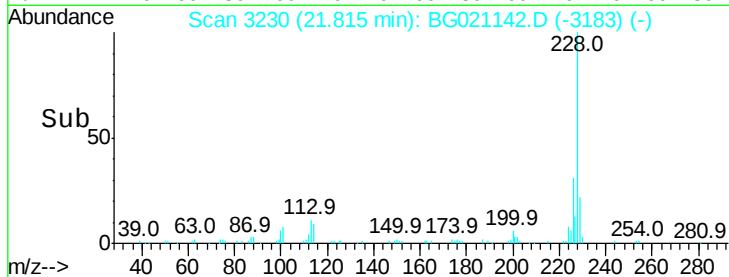
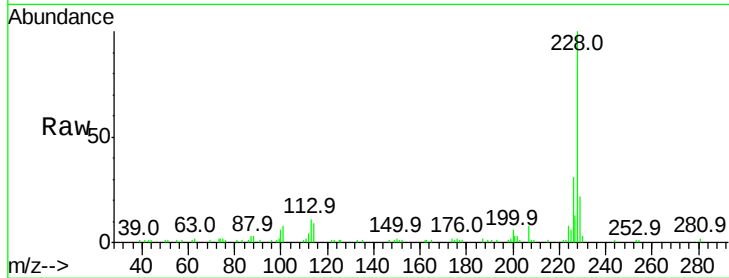
ClientSampleId :

P-04

Tot Ion:	228	Resp:	37461
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.7	35.5
229	21.8	16.7	25.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.90 ng

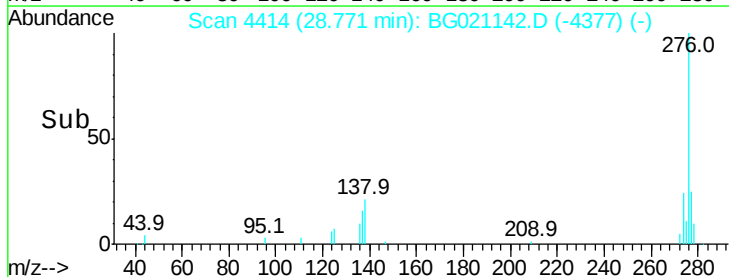
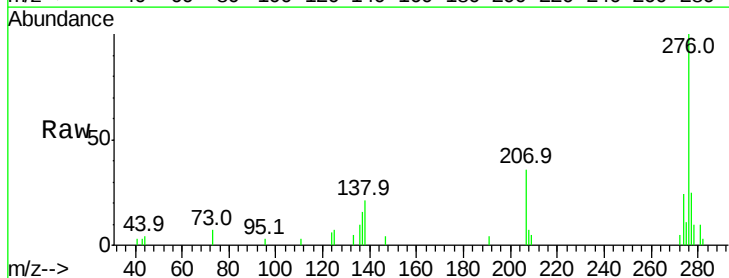
RT: 28.77 min Scan# 4414

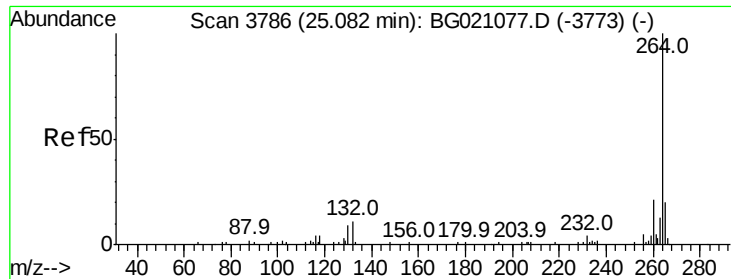
Delta R.T. -0.08 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:	276	Resp:	22270
Ion Ratio	Lower	Upper	
276	100		
138	21.7	0.0	0.0#
277	27.0	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.05 min Scan# 3781

Delta R.T. -0.03 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

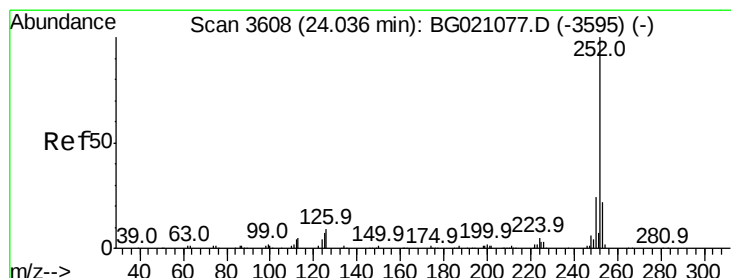
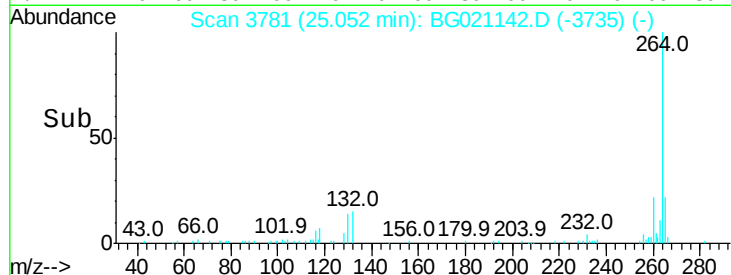
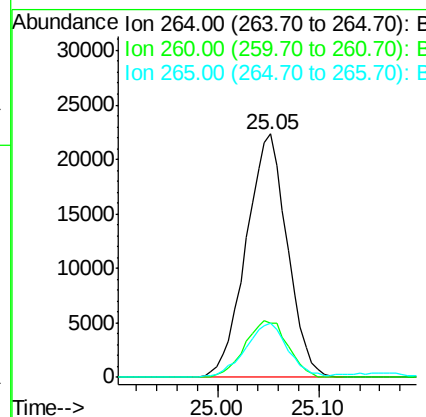
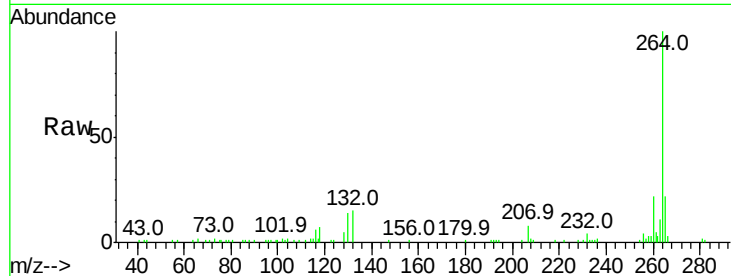
ClientSampleId :

P-04

Tot Ion:	264	Resp:	62721
Ion Ratio	Lower	Upper	
264	100		
260	22.4	18.5	27.7
265	22.4	18.6	28.0

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#87

Benzo(b)fluoranthene

Concen: 13.06 ng

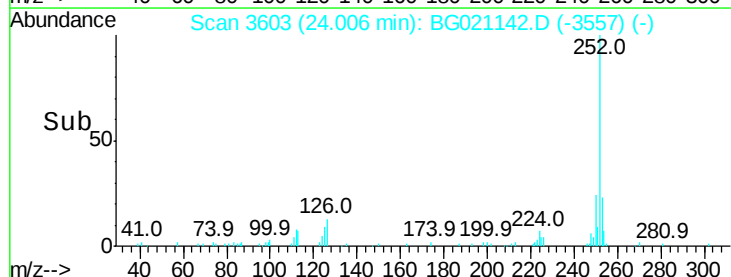
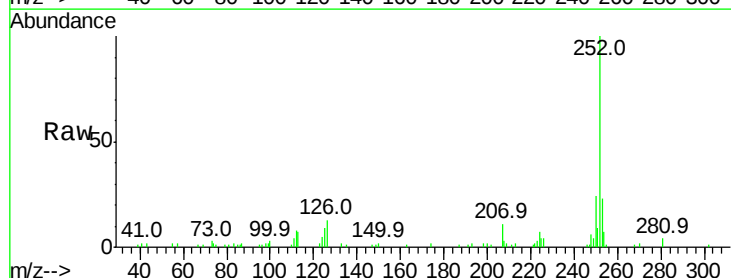
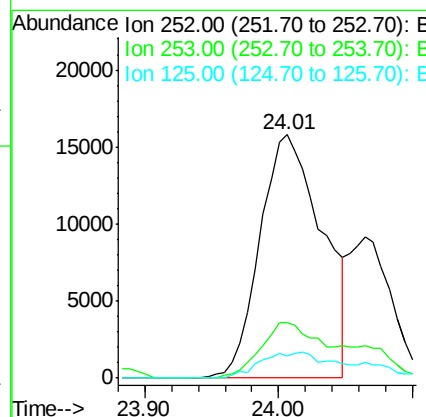
RT: 24.01 min Scan# 3603

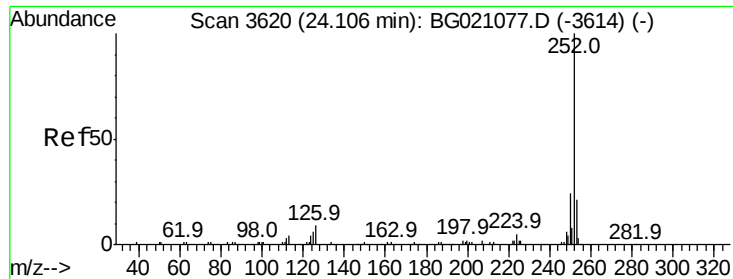
Delta R.T. -0.03 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:	252	Resp:	51220
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.8	25.2
125	9.3	8.2	12.2





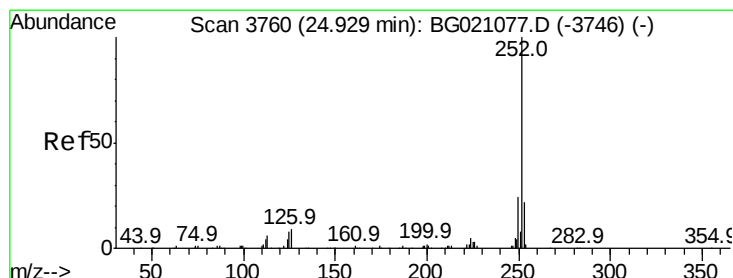
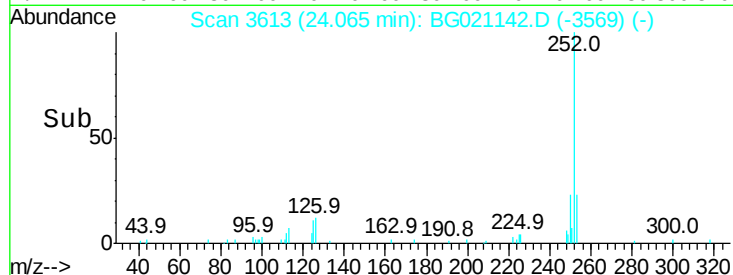
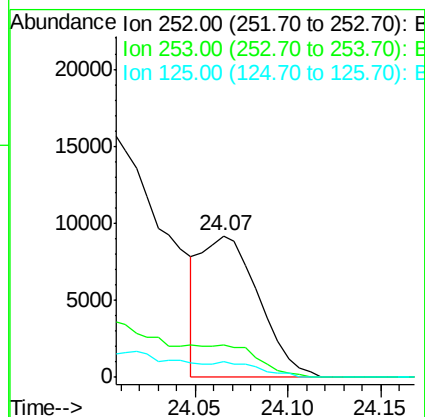
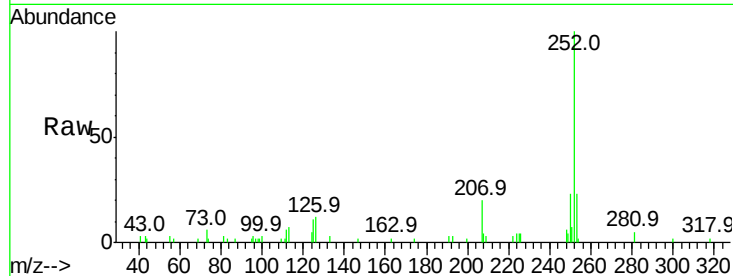
#88
Benzo(k)fluoranthene
Concen: 5.11 ng m
RT: 24.07 min Scan# 3613
Delta R.T. -0.04 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Instrument :
BNA_G
ClientSampleId :
P-04

Tot Ion:	252	Resp:	19759
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.4	24.6
125	10.9	8.2	12.2

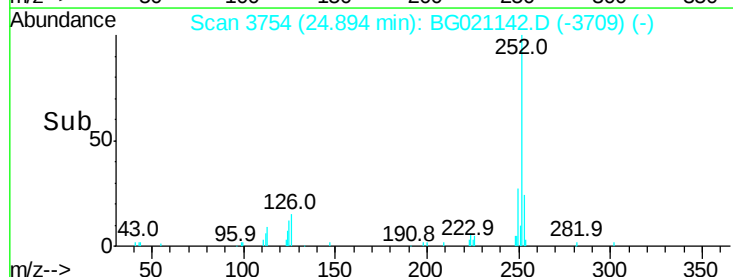
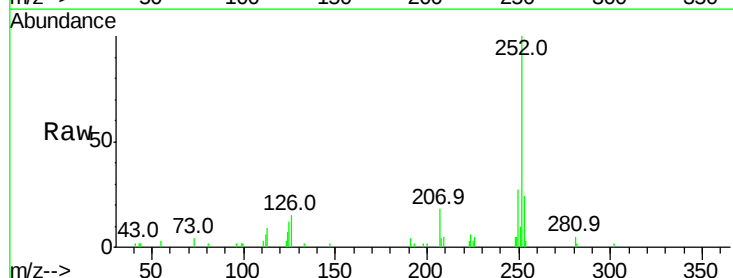
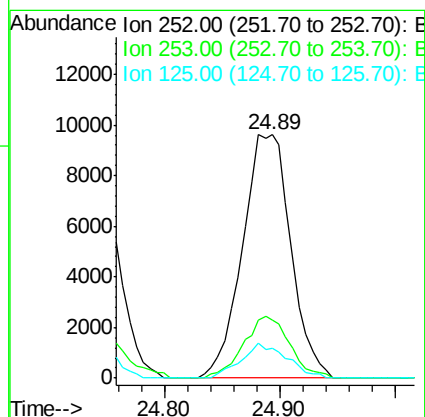
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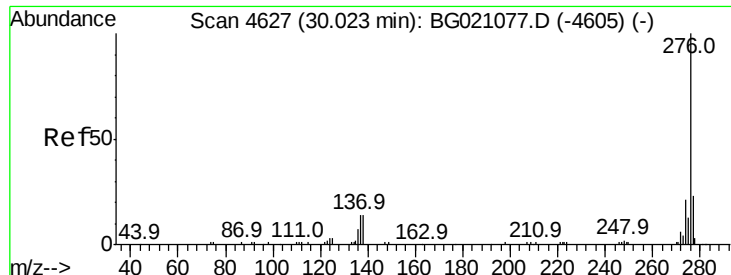
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#89
Benzo(a)pyrene
Concen: 7.43 ng
RT: 24.89 min Scan# 3754
Delta R.T. -0.04 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Tgt Ion:	252	Resp:	27954
Ion Ratio	Lower	Upper	
252	100		
253	24.0	15.8	23.8#
125	12.3	8.4	12.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.28 ng
 RT: 29.95 min Scan# 4615
 Delta R.T. -0.07 min
 Lab File: BG021142.D
 Acq: 28 Feb 2016 8:45

Instrument :
 BNA_G
 ClientSampleId :
 P-04

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	26.2	16.6	25.0#
138	22.6	14.6	21.8#

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