

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
 Data File : BG021141.D
 Acq On : 28 Feb 2016 8:06
 Operator : UM/SJ
 Sample : H1526-04
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-03

Manual Integrations
 APPROVED

Sohil
 2/29/2016 12:39:26 PM

Quant Time: Feb 29 01:09:00 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	8292	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	40866	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	26905	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	66335	20.00	ng	-0.02
75) Chrysene-d12	21.77	240	69973	20.00	ng	-0.02
86) Perylene-d12	25.05	264	63895	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	70272	148.37	ng	0.00
7) Phenol-d6	7.31	99	114646	162.67	ng	-0.02
23) Nitrobenzene-d5	9.33	82	81443	94.96	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	39967	113.30	ng	-0.01
44) 2-Fluorobiphenyl	13.40	172	156212	74.30	ng	-0.01
78) Terphenyl-d14	20.10	244	247757	82.75	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.21	163	24780	10.69	ng	99
70) Phenanthrene	17.55	178	68861	19.29	ng	99
71) Anthracene	17.64	178	19440	5.41	ng	98
74) Fluoranthene	19.55	202	250522	55.95	ng	99
77) Pyrene	19.91	202	247564	63.89	ng	99
80) Benzo(a)anthracene	21.75	228	167767	41.67	ng	99
82) Chrysene	21.82	228	145135	37.43	ng	99
85) Indeno(1,2,3-cd)pyrene	28.80	276	65313	13.97	ng	# 100
87) Benzo(b)fluoranthene	24.02	252	186251	46.63	ng	97
88) Benzo(k)fluoranthene	24.08	252	59481m	15.11	ng	
89) Benzo(a)pyrene	24.89	252	102054	26.62	ng	95
90) Dibenzo(a,h)anthracene	28.83	278	18809	4.87	ng	# 81
91) Benzo(a,h,i)perylene	29.96	276	55234	14.84	ng	93

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

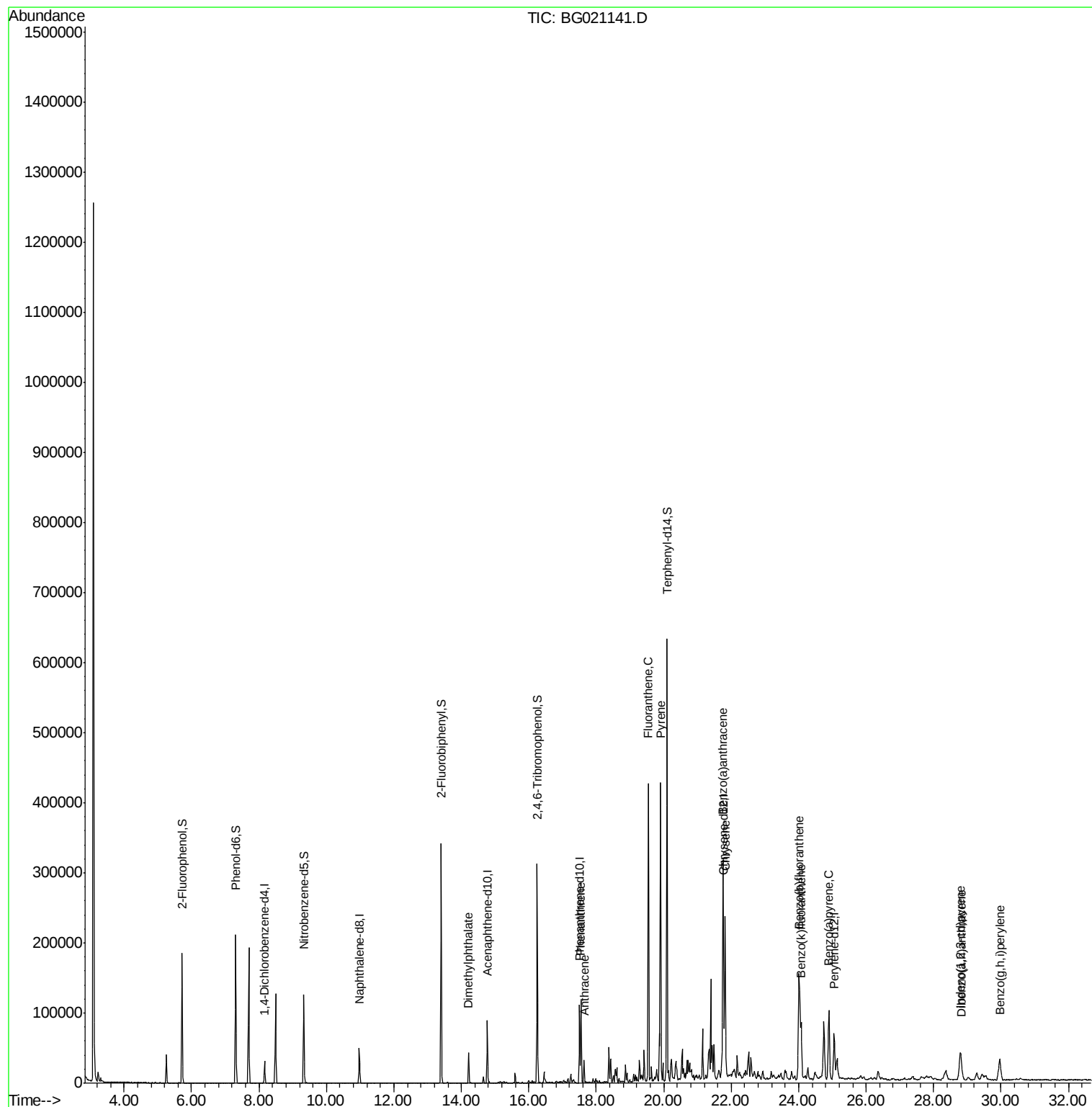
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
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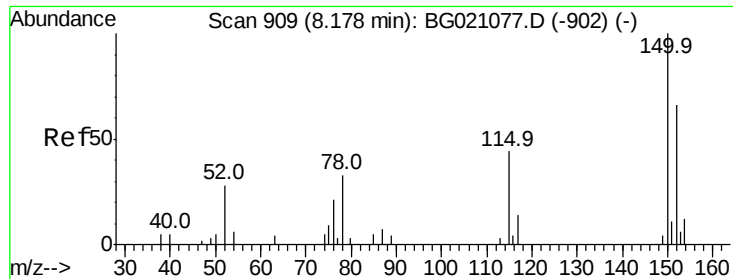
Instrument :
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P-03

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

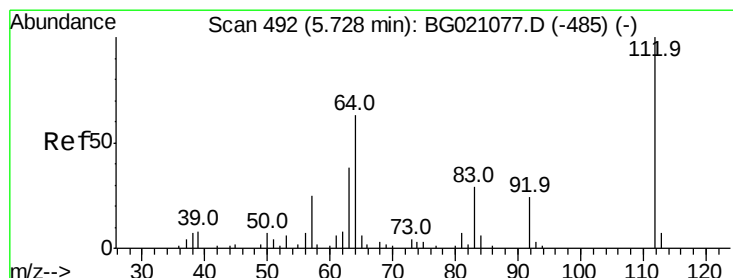
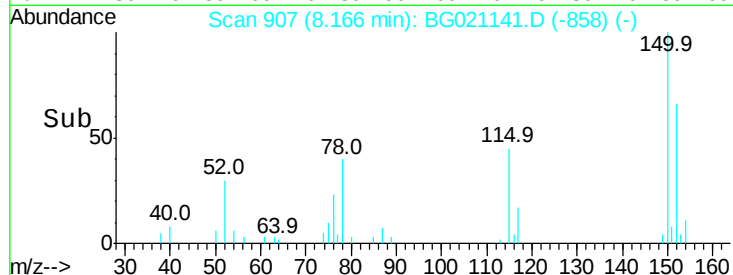
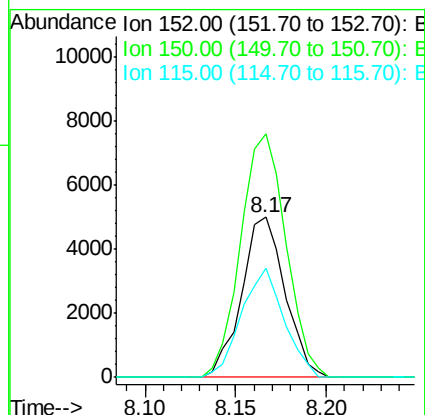
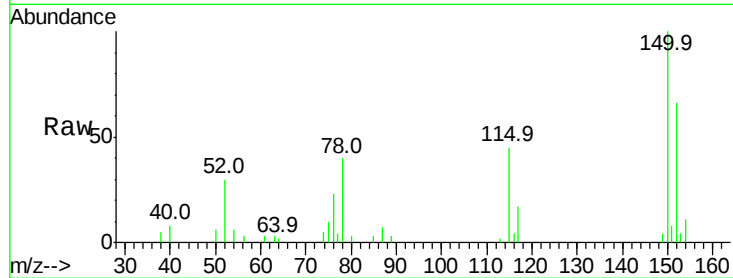
ClientSampled :

P-03

Tot Ion:	152	Resp:	8292
Ion Ratio	Lower	Upper	
152	100		
150	152.2	123.4	185.2
115	68.0	43.3	64.9#

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#5

2-Fluorophenol

Concen: 148.37 ng

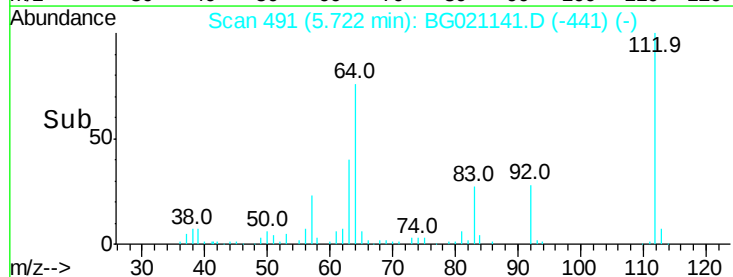
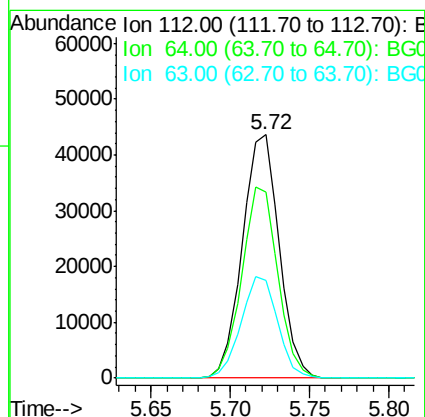
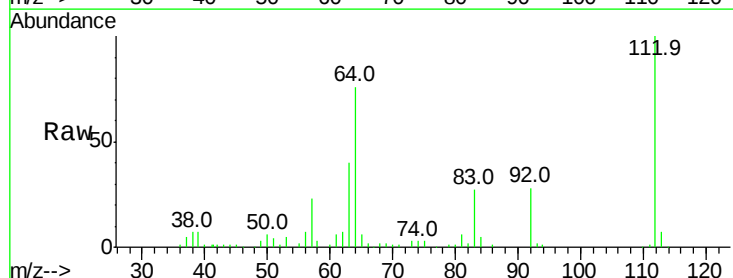
RT: 5.72 min Scan# 491

Delta R.T. -0.00 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Tgt Ion:	112	Resp:	70272
Ion Ratio	Lower	Upper	
112	100		
64	76.5	42.6	63.8#
63	40.3	21.7	32.5#





#7

Phenol-d6

Concen: 162.67 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

ClientSampled :

P-03

Tot Ion: 99 Resp: 114646
Ion Ratio Lower Upper

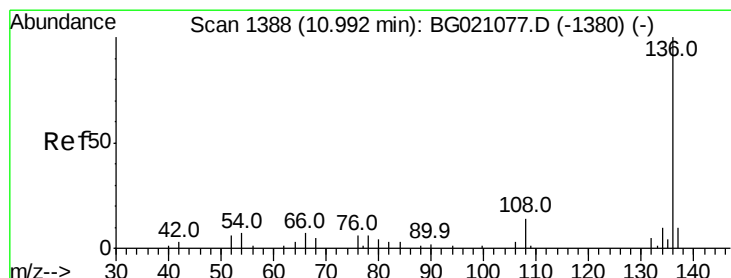
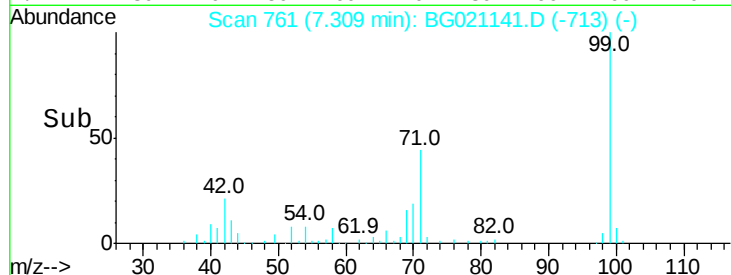
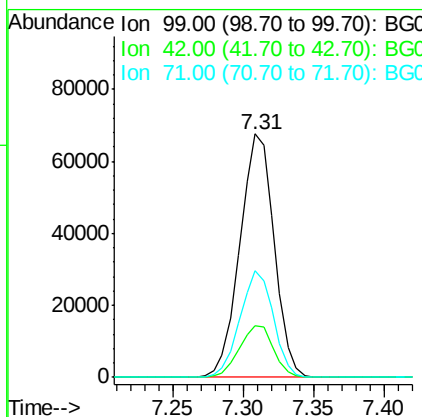
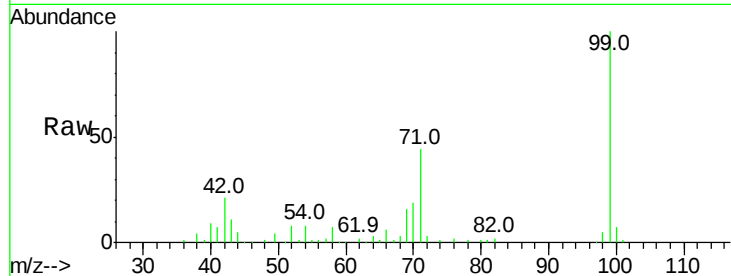
99 100

42 21.3 13.2 19.8#

71 43.8 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: BG021141.D

Acq: 28 Feb 2016 8:06

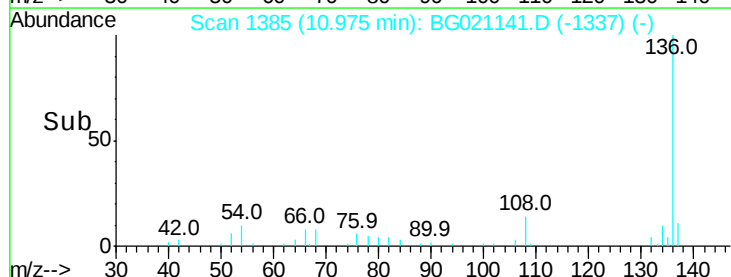
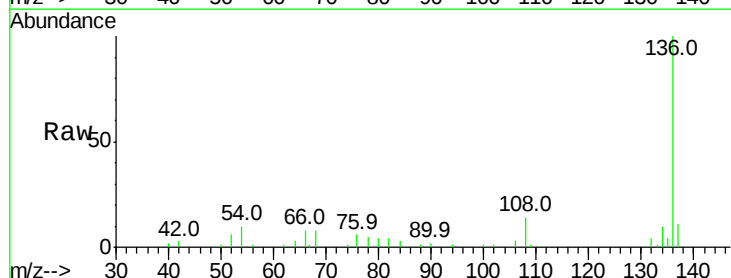
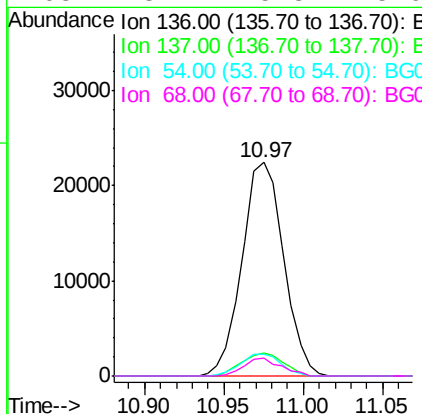
Tgt Ion: 136 Resp: 40866
Ion Ratio Lower Upper

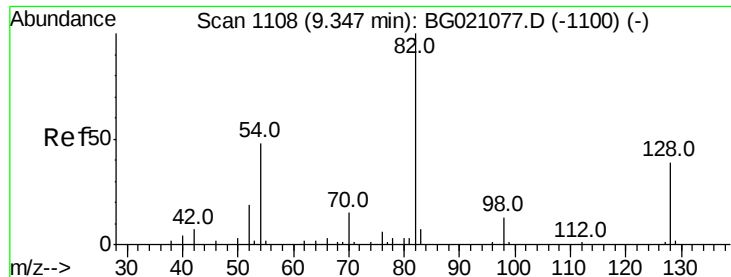
136 100

137 11.1 8.8 13.2

54 10.0 6.9 10.3

68 8.2 5.8 8.6





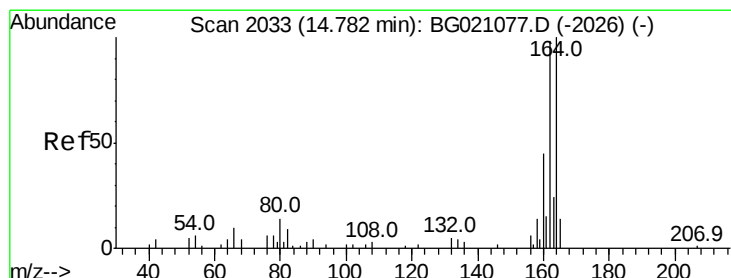
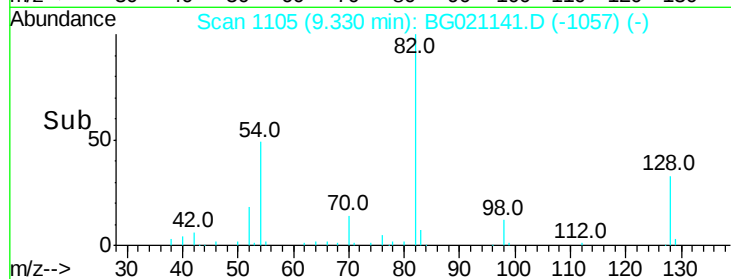
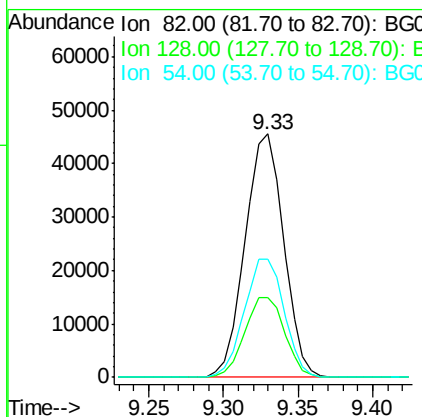
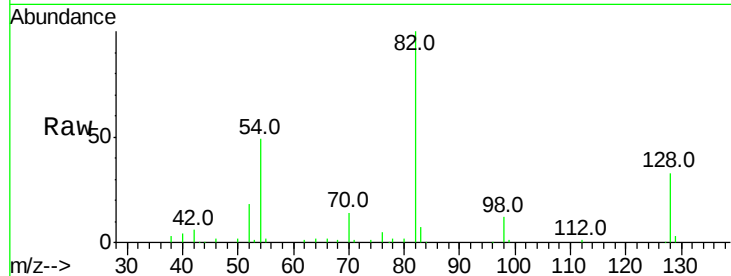
#23
 Nitrobenzene-d5
 Concen: 94.96 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.02 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Instrument :
 BNA_G
 ClientSampleId :
 P-03

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.0	36.3	54.5#
54	48.7	37.6	56.4

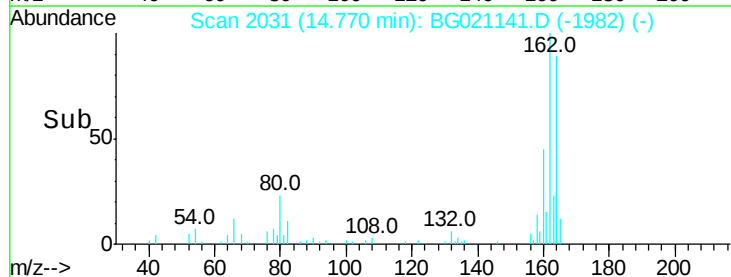
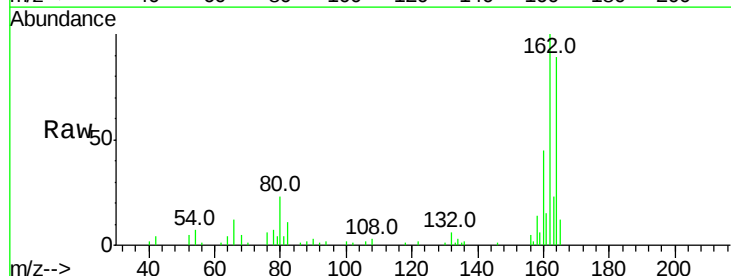
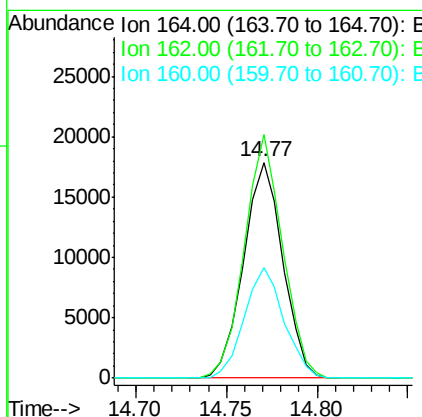
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.77 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	112.8	80.6	120.8
160	51.0	36.5	54.7





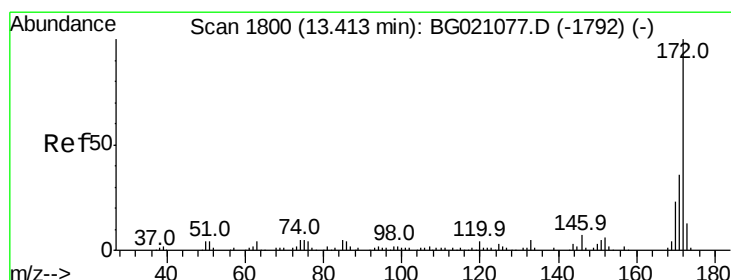
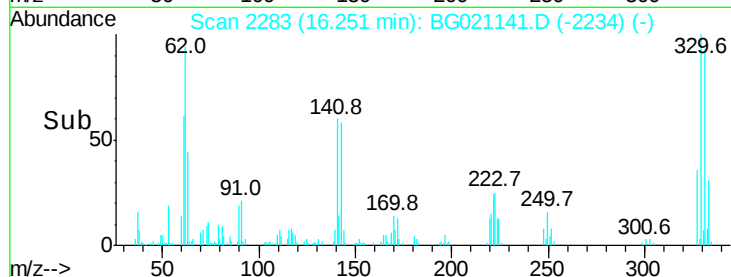
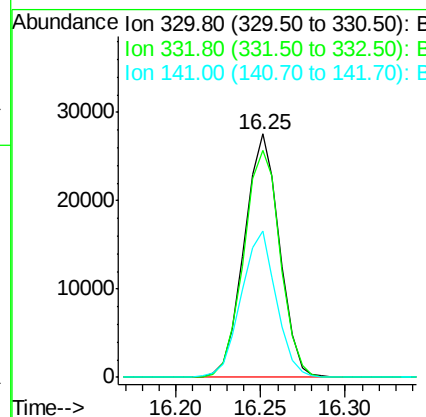
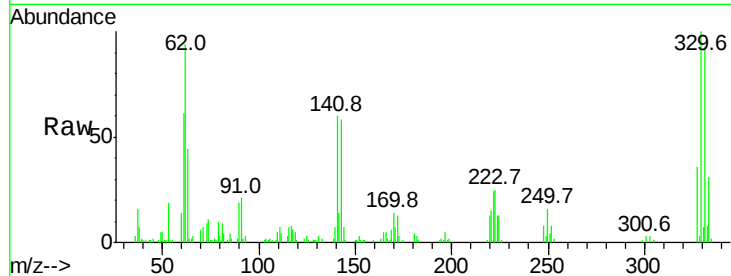
#41
 2,4,6-Tribromophenol
 Concen: 113.30 ng
 RT: 16.25 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Instrument :
 BNA_G
 ClientSampled :
 P-03

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.4	116.0	
141	59.6	35.3	52.9#	

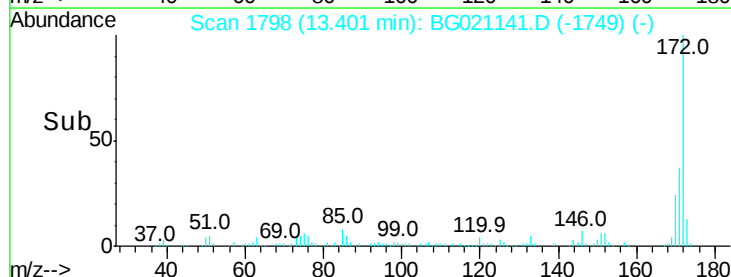
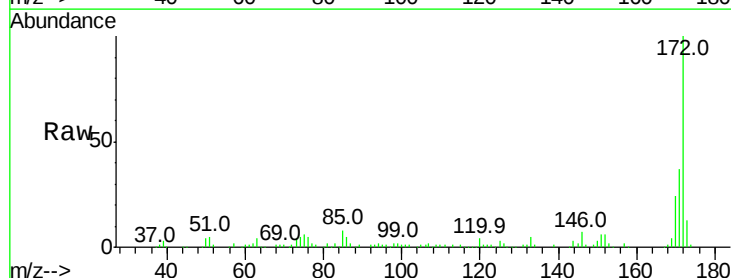
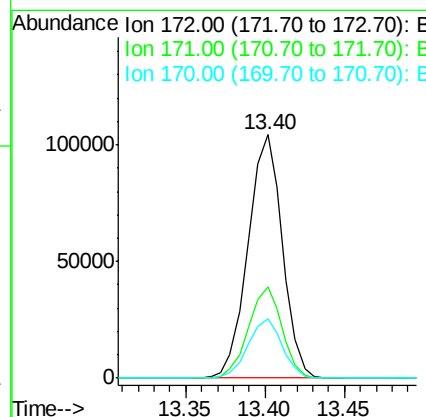
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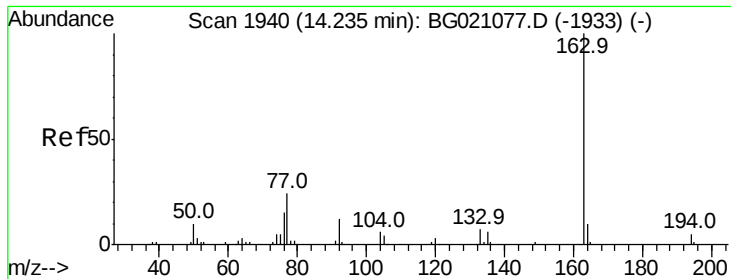
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#44
 2-Fluorobiphenyl
 Concen: 74.30 ng
 RT: 13.40 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.3	29.4	44.0	
170	24.1	19.8	29.8	





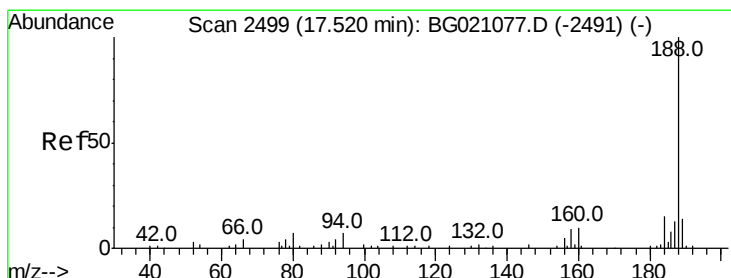
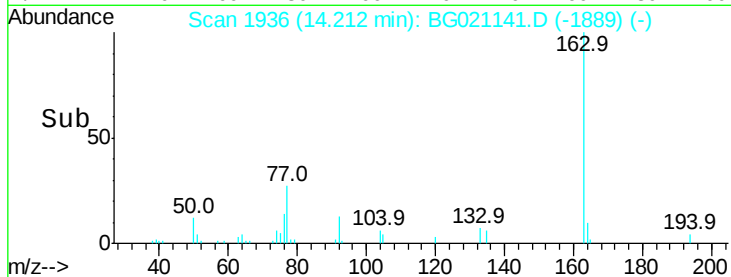
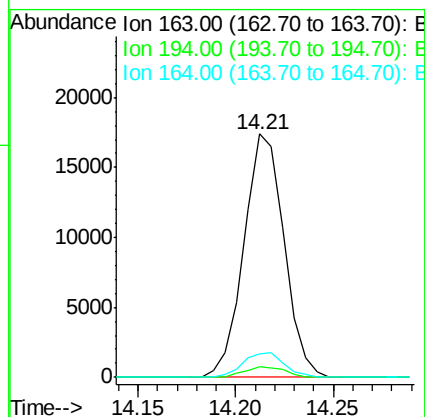
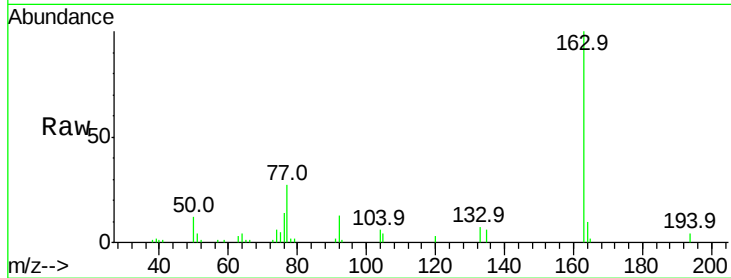
#49
Dimethylphthalate
Concen: 10.69 ng
RT: 14.21 min Scan# 1936
Delta R.T. -0.02 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Instrument :
BNA_G
ClientSampleId :
P-03

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.2	2.8	4.2
164	9.7	7.9	11.9

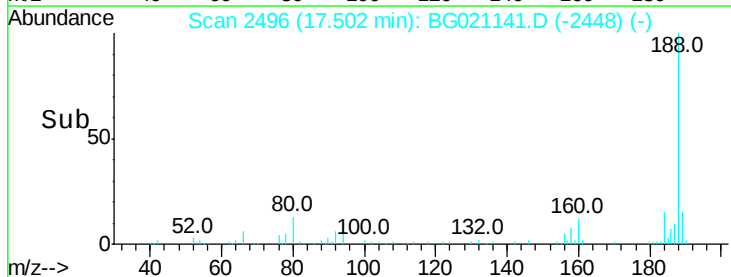
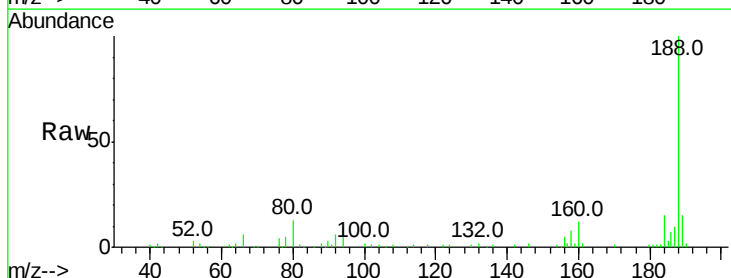
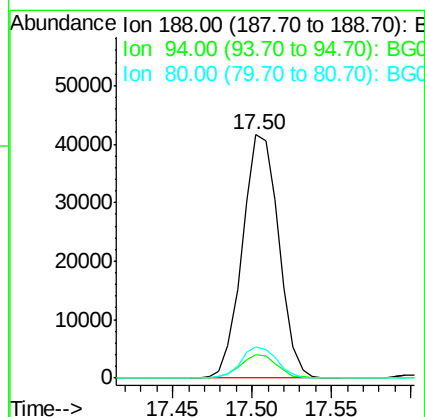
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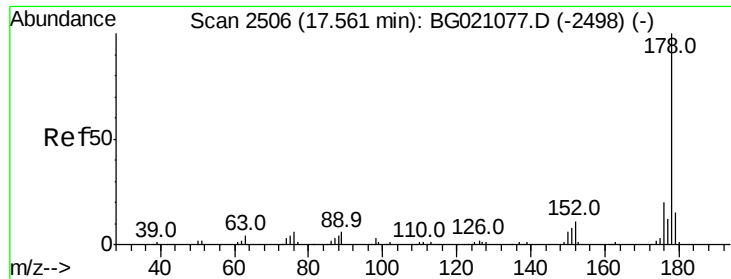
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.50 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	8.2	12.4
80	12.9	9.2	13.8





#70

Phenanthrene

Concen: 19.29 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

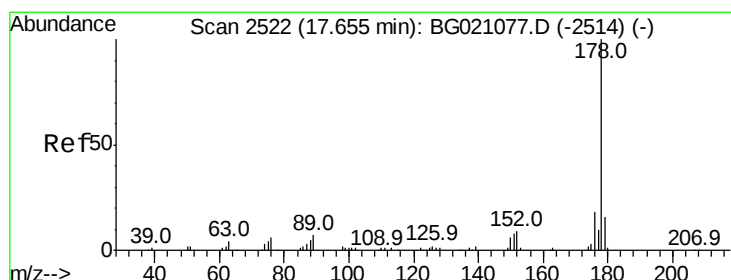
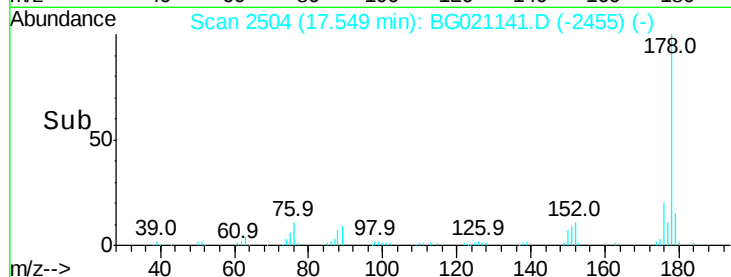
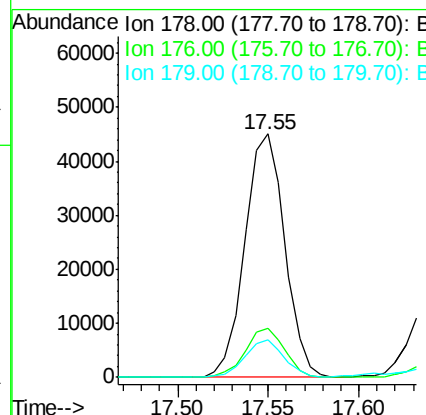
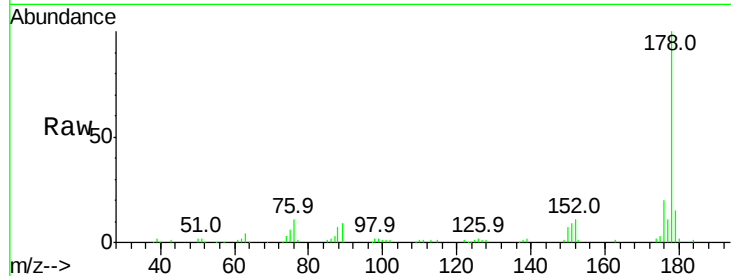
ClientSampleId :

P-03

Tot Ion:	178	Resp:	68861
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.2	24.4
179	15.2	12.9	19.3

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#71

Anthracene

Concen: 5.41 ng

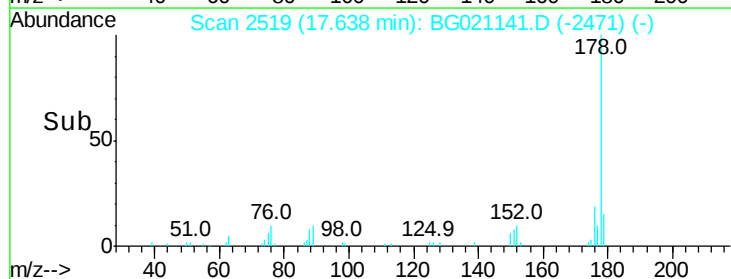
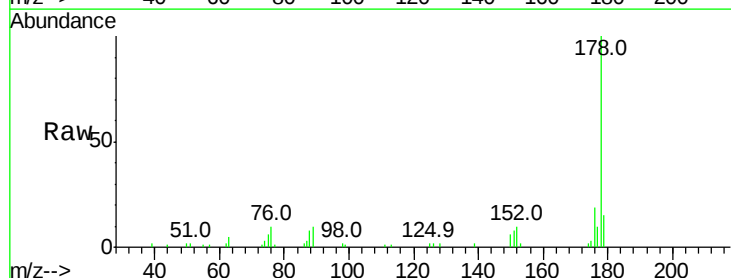
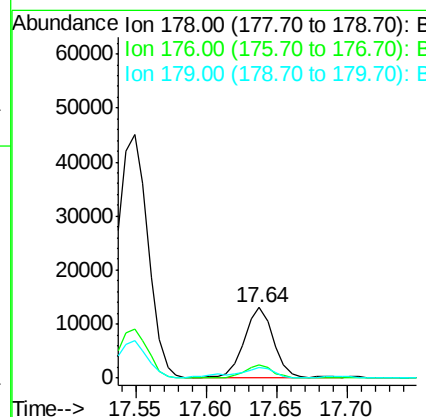
RT: 17.64 min Scan# 2519

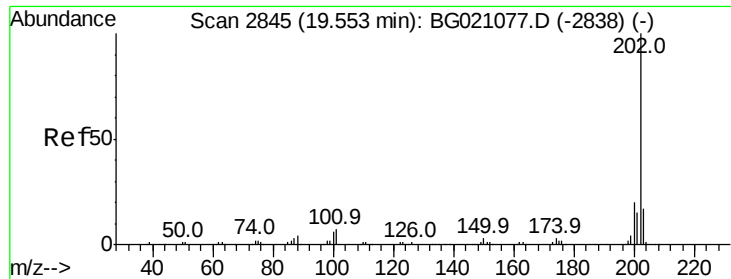
Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Tgt Ion:	178	Resp:	19440
Ion Ratio	Lower	Upper	
178	100		
176	19.5	14.8	22.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 55.95 ng

RT: 19.55 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

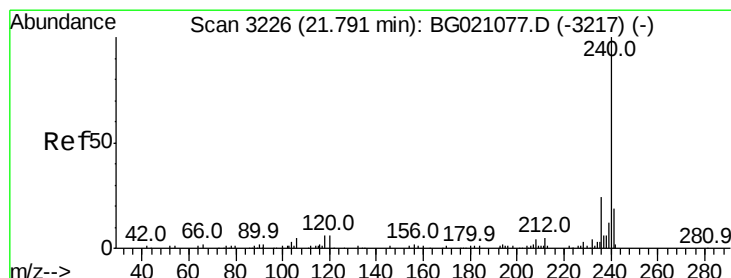
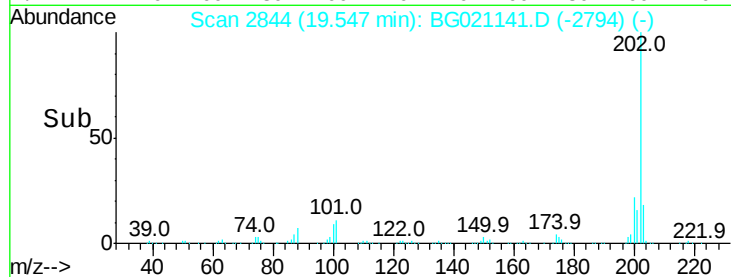
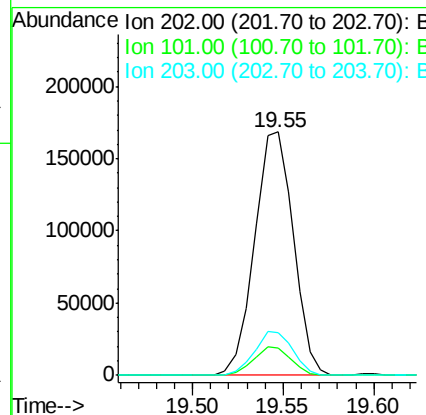
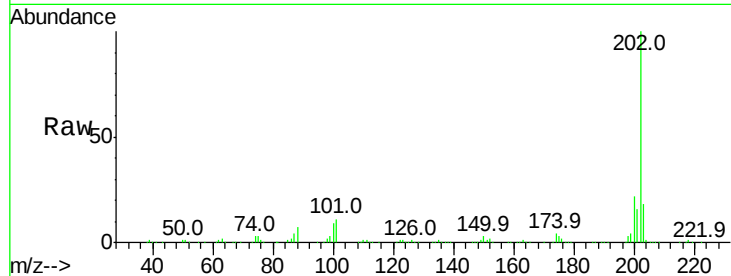
ClientSampleId :

P-03

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	32.5
203	17.7	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

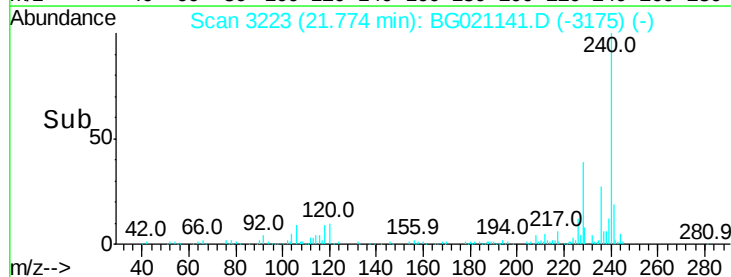
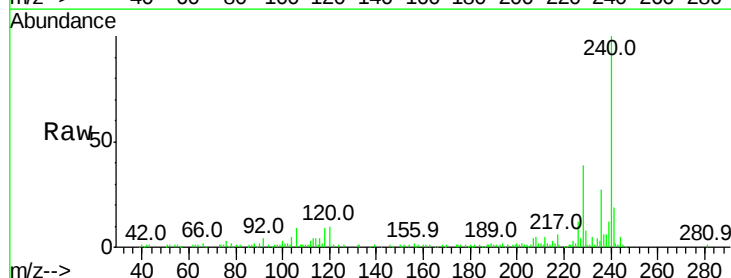
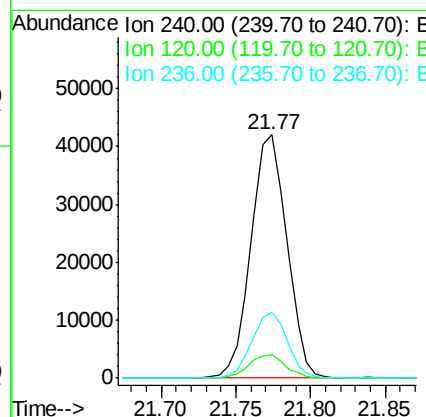
RT: 21.77 min Scan# 3223

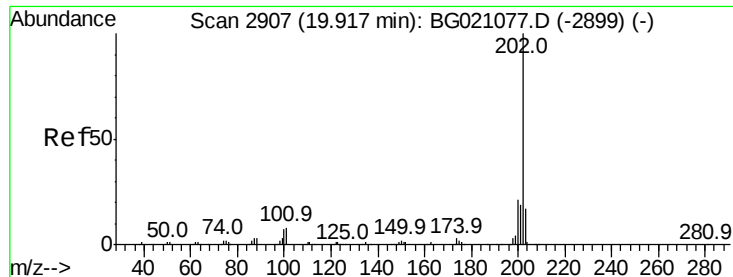
Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	7.5	11.3
236	27.1	20.5	30.7





#77

Pvrene

Concen: 63.89 ng

RT: 19.91 min Scan# 2905

Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

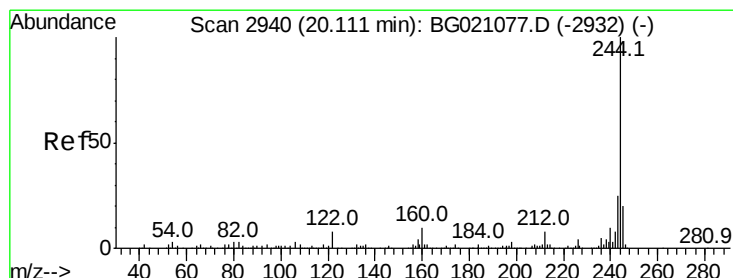
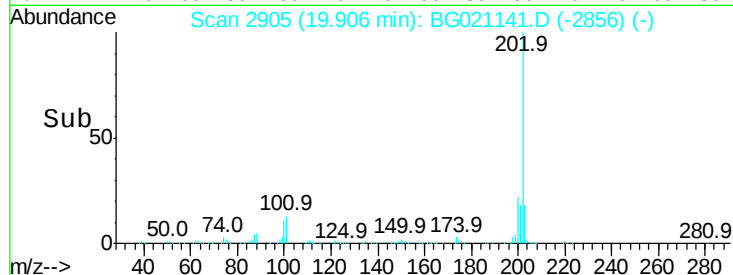
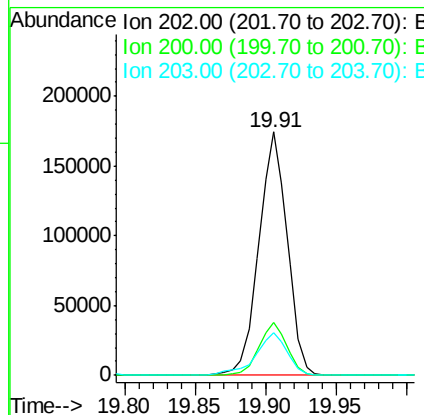
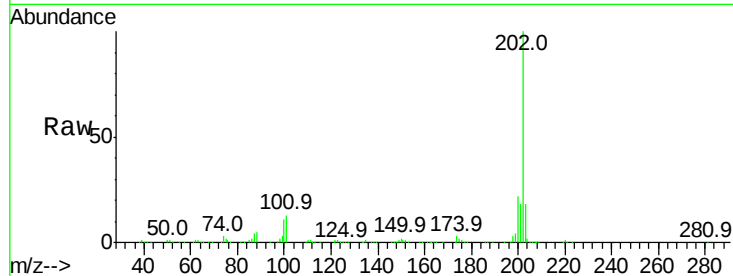
ClientSampleId :

P-03

Tot Ion:	202	Resp:	247564
Ion Ratio		Lower	Upper
202	100		
200	21.6	16.6	25.0
203	17.7	13.8	20.8

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2/29/2016 12:39:26 PM



#78

Terphenyl-d14

Concen: 82.75 ng

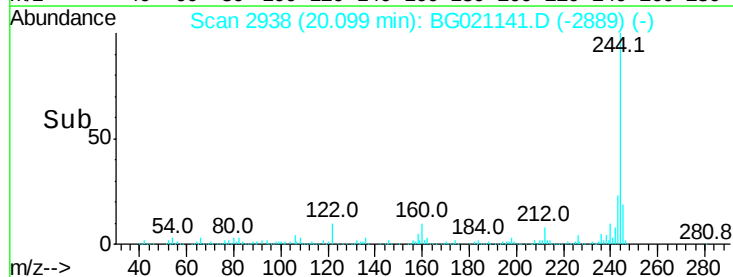
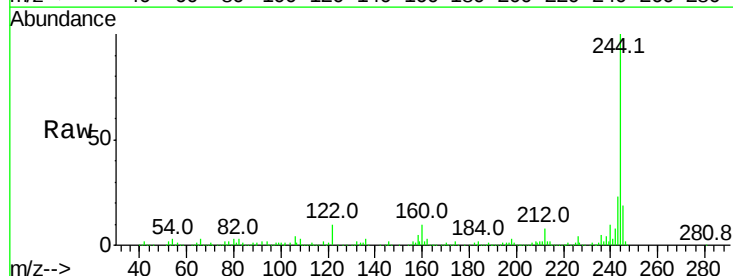
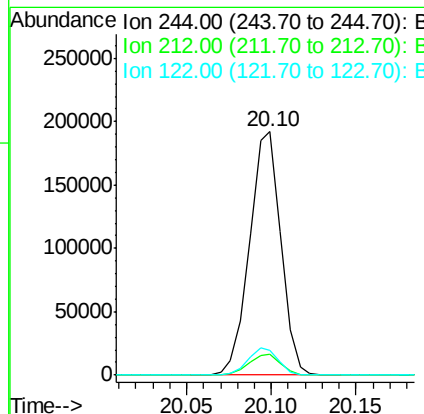
RT: 20.10 min Scan# 2938

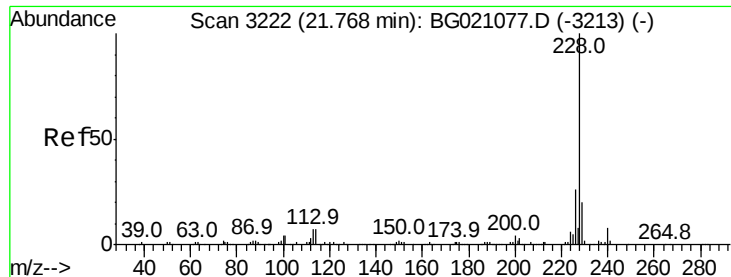
Delta R.T. -0.01 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Tgt Ion:	244	Resp:	247757
Ion Ratio		Lower	Upper
244	100		
212	8.4	5.8	8.6
122	10.2	8.3	12.5





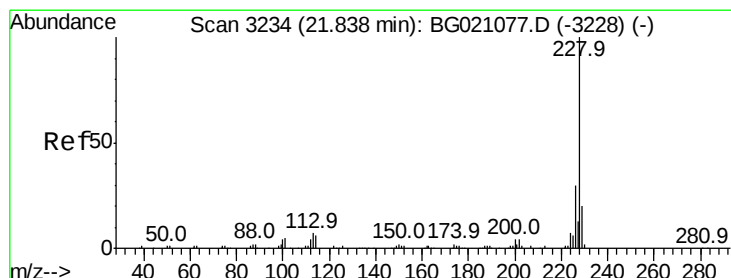
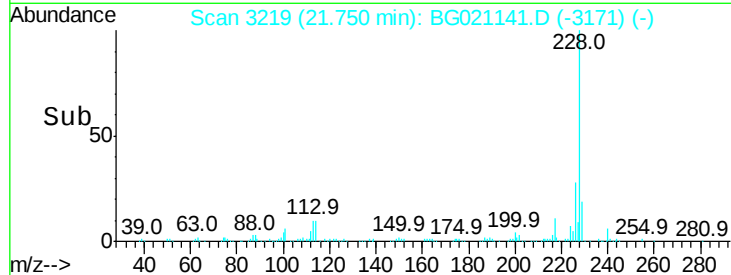
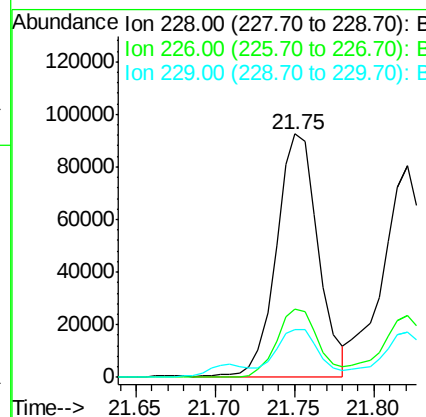
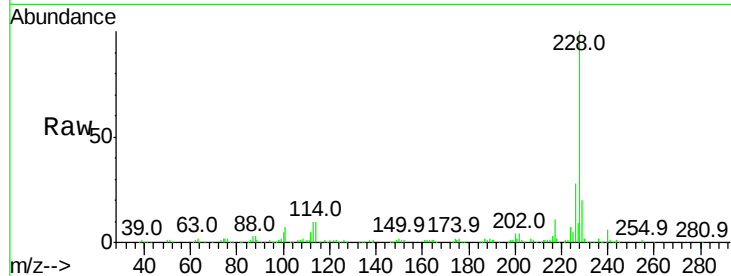
#80
Benzo(a)anthracene
Concen: 41.67 ng
RT: 21.75 min Scan# 3219
Delta R.T. -0.02 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Instrument :
BNA_G
ClientSampleId :
P-03

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.7	34.1
229	19.8	15.5	23.3

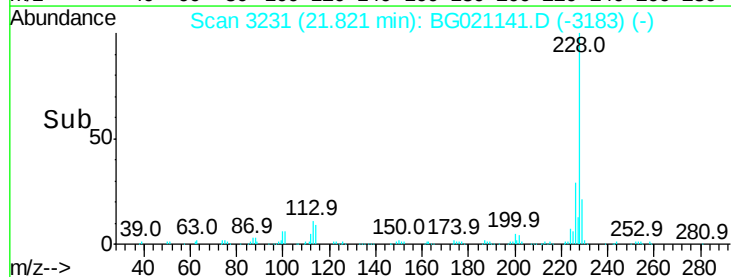
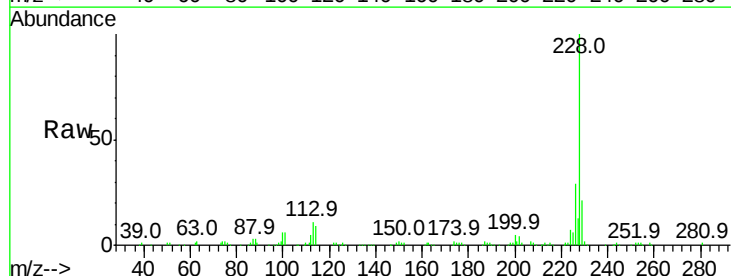
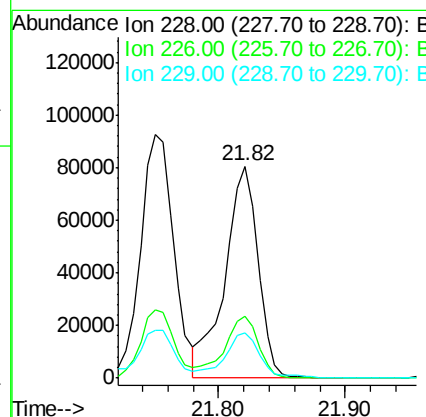
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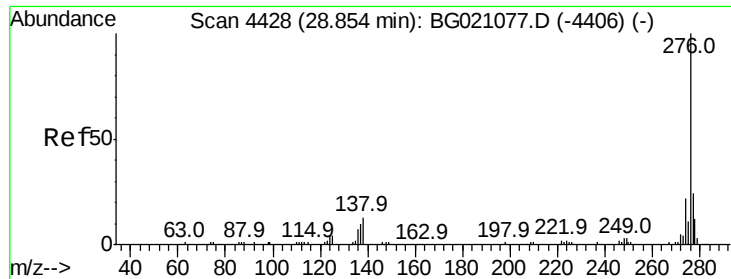
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#82
Chrysene
Concen: 37.43 ng
RT: 21.82 min Scan# 3231
Delta R.T. -0.02 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	21.5	16.7	25.1





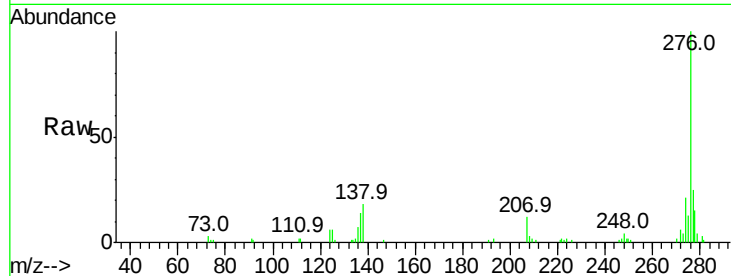
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.97 ng
 RT: 28.80 min Scan# 4418
 Delta R.T. -0.06 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Instrument :
 BNA_G
 ClientSampleId :
 P-03

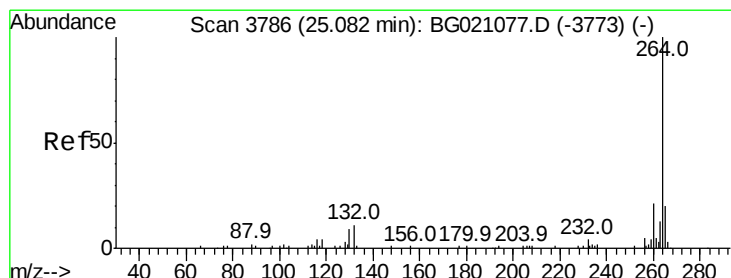
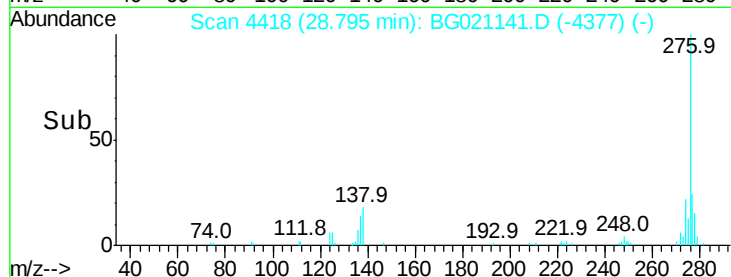
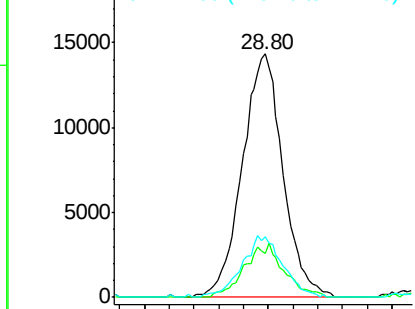
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	11.7	0.0	0.0#
277	25.4	0.0	0.0#

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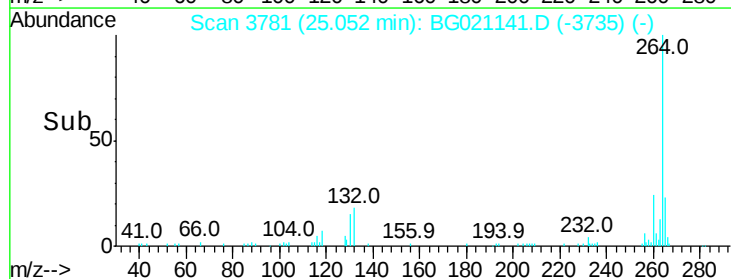
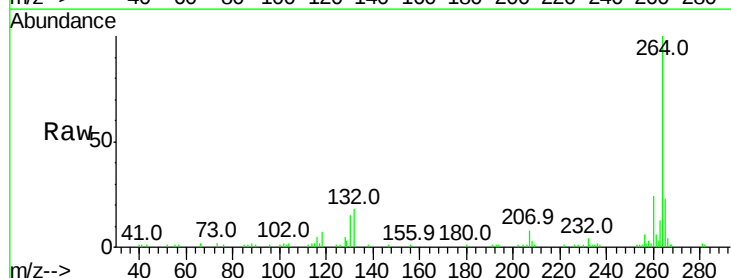
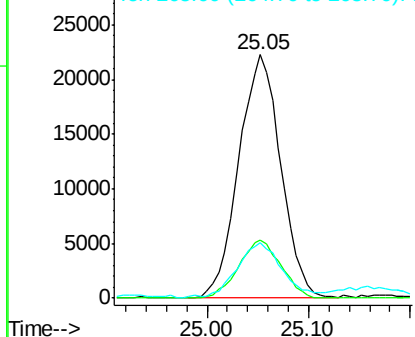
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

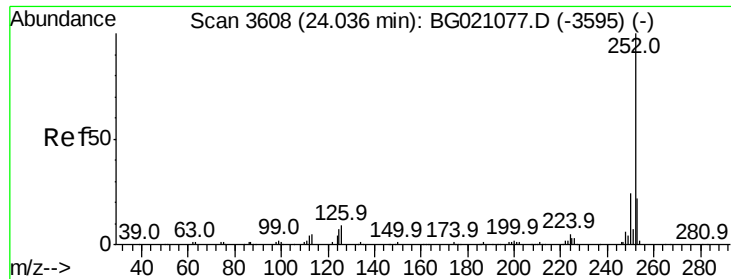


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.05 min Scan# 3781
 Delta R.T. -0.03 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.8	18.5	27.7
265	22.8	18.6	28.0

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





#87

Benzo(b)fluoranthene

Concen: 46.63 ng

RT: 24.02 min Scan# 3605

Delta R.T. -0.02 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Instrument :

BNA_G

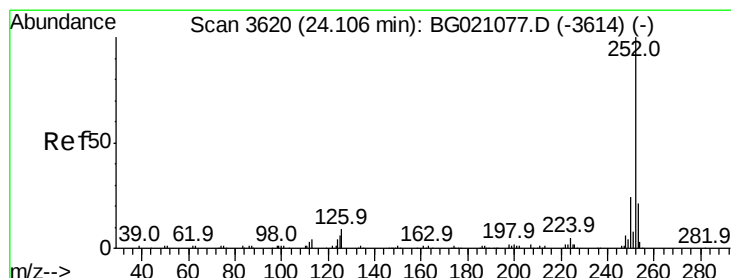
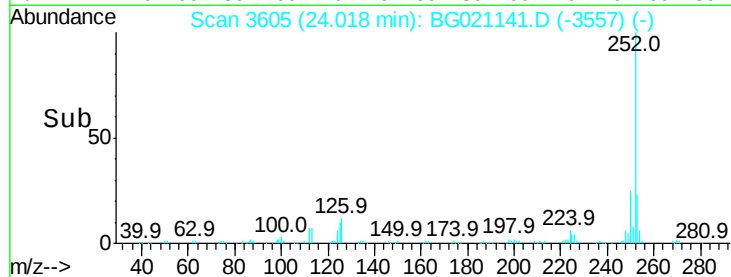
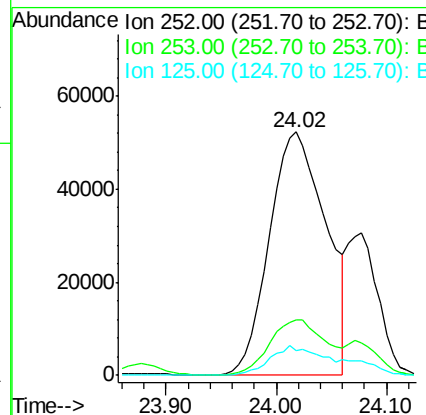
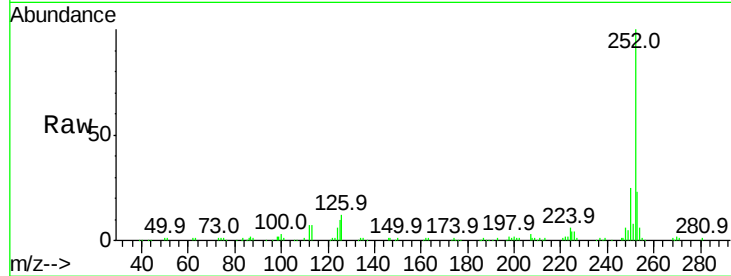
ClientSampleId :

P-03

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	16.8	25.2
125	10.3	8.2	12.2

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2/29/2016 12:39:26 PM



#88

Benzo(k)fluoranthene

Concen: 15.11 ng m

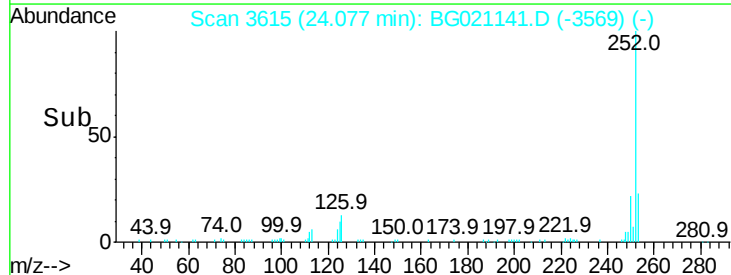
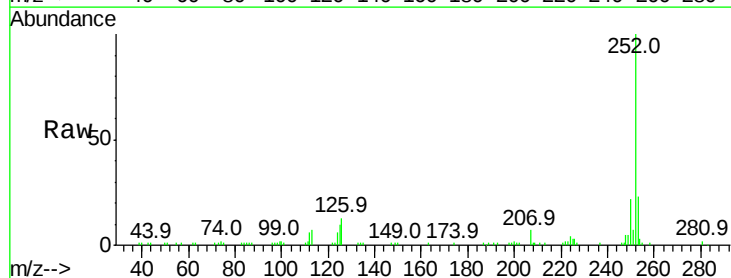
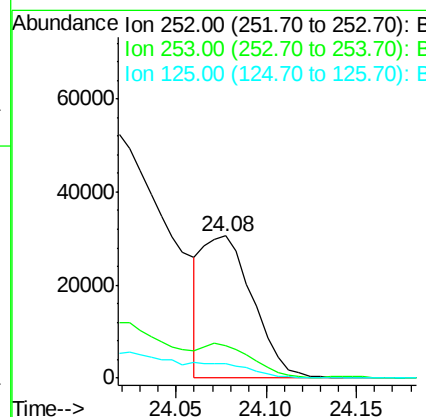
RT: 24.08 min Scan# 3615

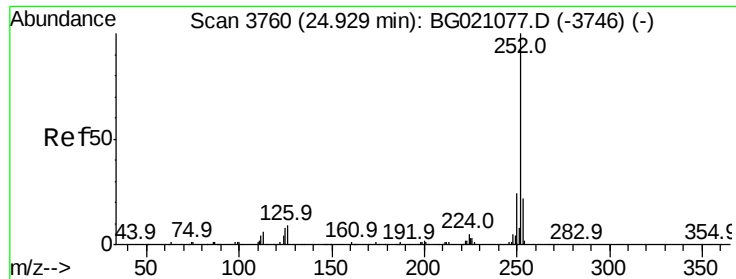
Delta R.T. -0.03 min

Lab File: BG021141.D

Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	16.4	24.6
125	10.3	8.2	12.2





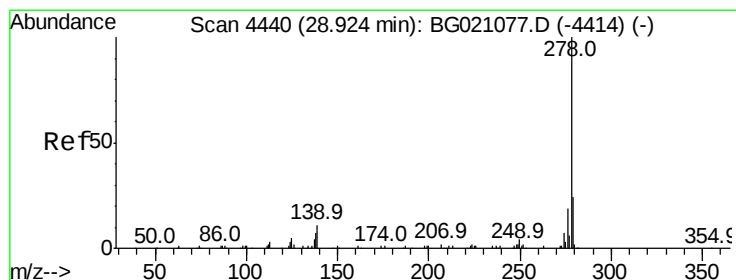
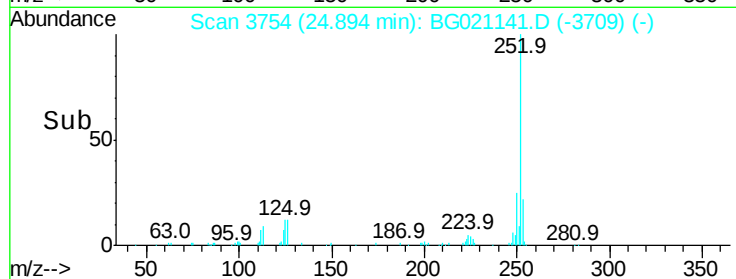
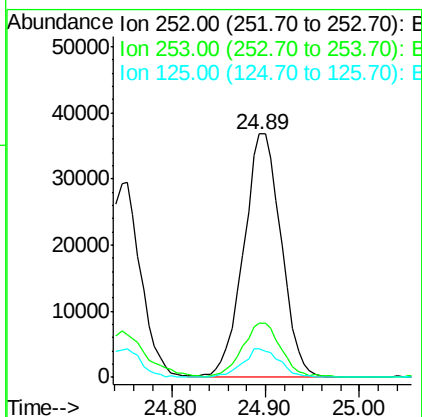
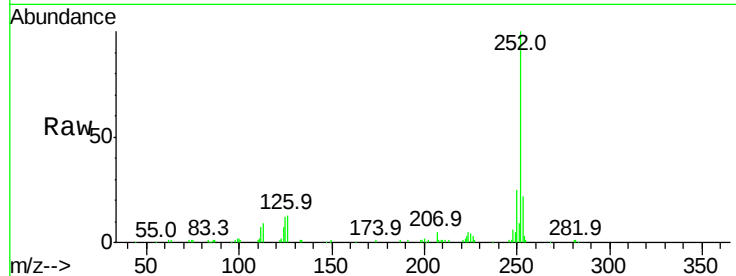
#89
Benzo(a)pyrene
Concen: 26.62 ng
RT: 24.89 min Scan# 3754
Delta R.T. -0.03 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Instrument :
BNA_G
ClientSampled :
P-03

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	15.8	23.8
125	11.9	8.4	12.6

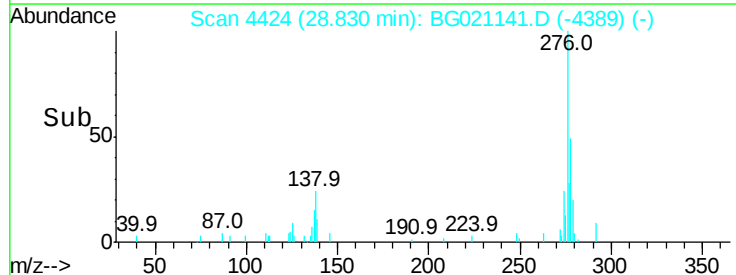
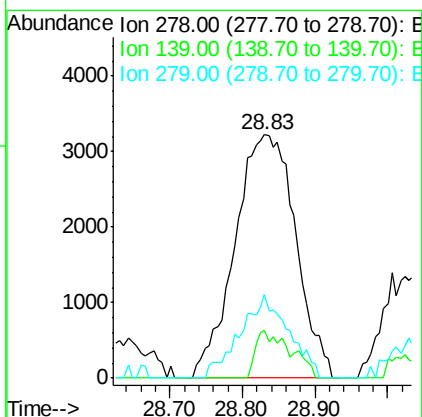
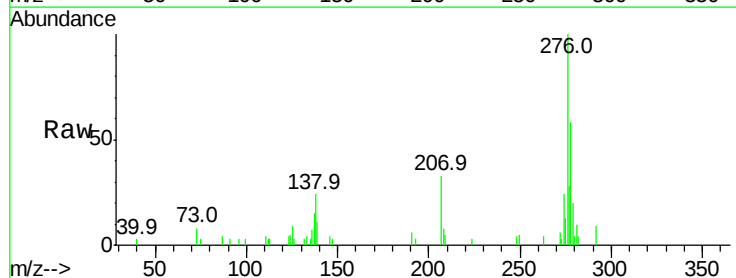
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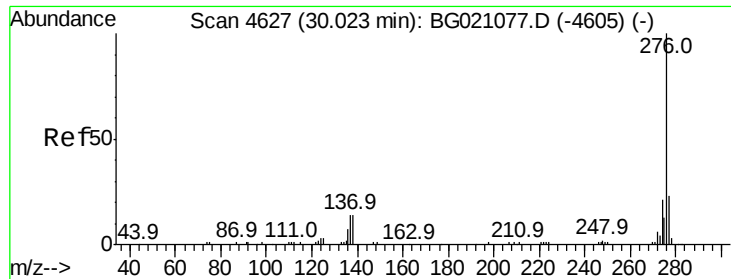
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#90
Dibenzo(a,h)anthracene
Concen: 4.87 ng
RT: 28.83 min Scan# 4424
Delta R.T. -0.09 min
Lab File: BG021141.D
Acq: 28 Feb 2016 8:06

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.8	10.6	15.8#
279	34.6	19.7	29.5#





#91
 Benzo(a,h,i)perylene
 Concen: 14.84 ng
 RT: 29.96 min Scan# 4616
 Delta R.T. -0.06 min
 Lab File: BG021141.D
 Acq: 28 Feb 2016 8:06

Instrument :
 BNA_G
 ClientSampleId :
 P-03

Tot Ion:	276	Resp:	55234
Ion Ratio	Lower	Upper	
276	100		
277	23.8	16.6	25.0
138	21.5	14.6	21.8

Manual Integrations
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