

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
 Data File : BG021148.D
 Acq On : 28 Feb 2016 12:40
 Operator : UM/SJ
 Sample : H1442-03 20X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POST-EX-12-20160211

Manual Integrations
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Sohil
 2/29/2016 12:39:36 PM

Quant Time: Feb 29 01:41:16 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	9662	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	46465	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	27206	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	60539	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	62713	20.00	ng	-0.02
86) Perylene-d12	25.05	264	58356	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	3560	6.45	ng	-0.01
7) Phenol-d6	7.31	99	6456	7.86	ng	-0.02
23) Nitrobenzene-d5	9.33	82	4682	4.80	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	1481	4.15	ng	-0.02
44) 2-Fluorobiphenyl	13.40	172	8012	3.77	ng	-0.02
78) Terphenyl-d14	20.09	244	9172	3.42	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	17.55	178	23760	7.29	ng	98
74) Fluoranthene	19.54	202	40272	9.86	ng	99
77) Pyrene	19.91	202	43814	12.62	ng	98
80) Benzo(a)anthracene	21.75	228	21970	6.09	ng	96
82) Chrysene	21.82	228	22078	6.35	ng	97
85) Indeno(1,2,3-cd)pyrene	28.79	276	12976m	3.10	ng	
87) Benzo(b)fluoranthene	24.01	252	25584	7.01	ng	# 93
88) Benzo(k)fluoranthene	24.07	252	11197m	3.11	ng	
89) Benzo(a)pyrene	24.89	252	18999m	5.43	ng	
91) Benzo(g,h,i)perylene	29.95	276	13001	3.82	ng	# 86

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

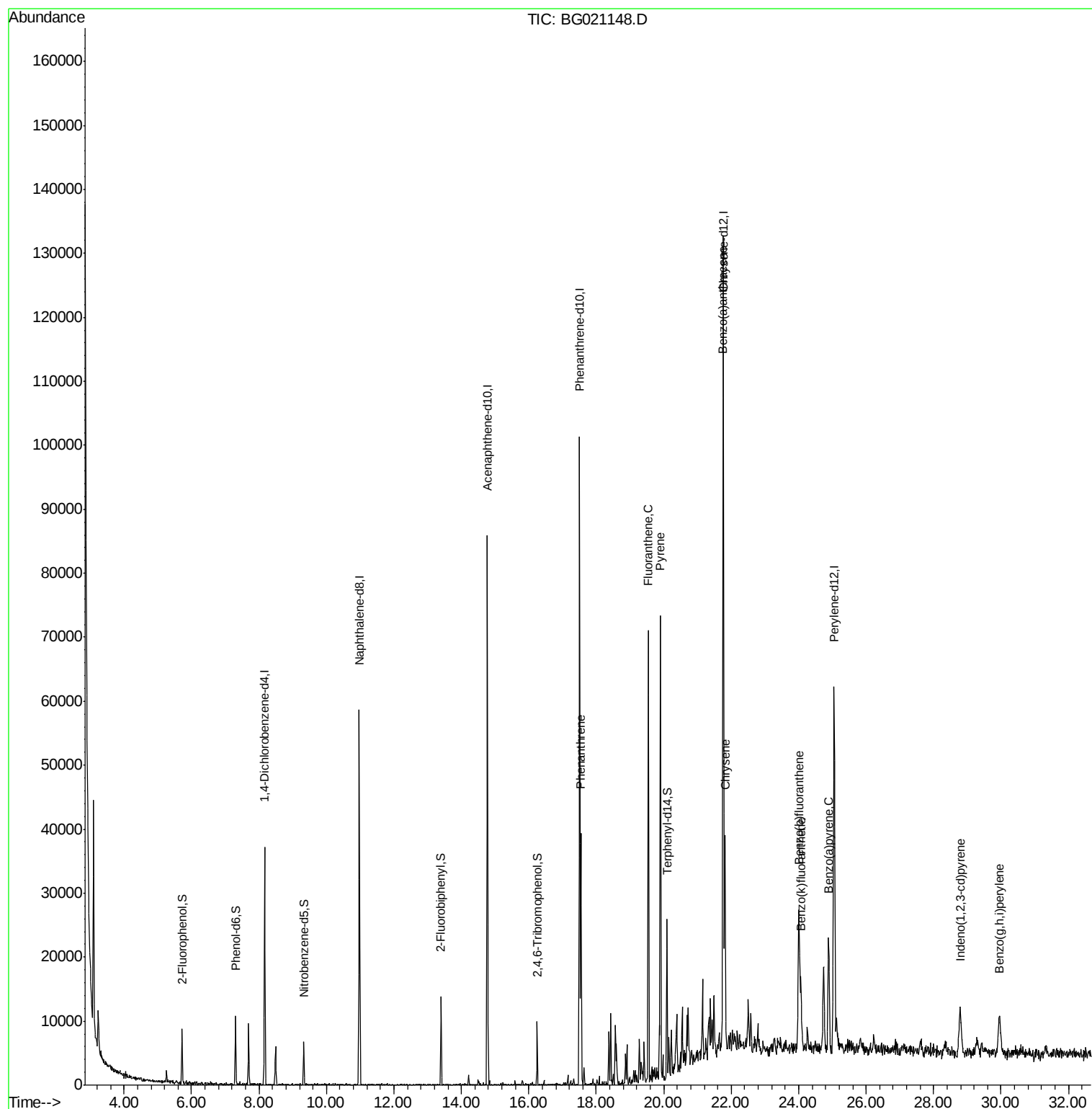
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
Data File : BG021148.D
Acq On : 28 Feb 2016 12:40
Operator : UM/SJ
Sample : H1442-03 20X
Misc :
ALS Vial : 65 Sample Multiplier: 1

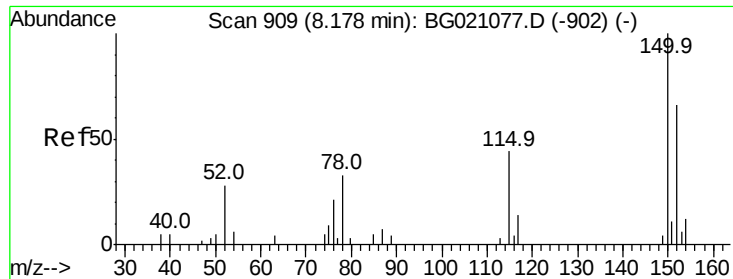
Instrument :
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#1

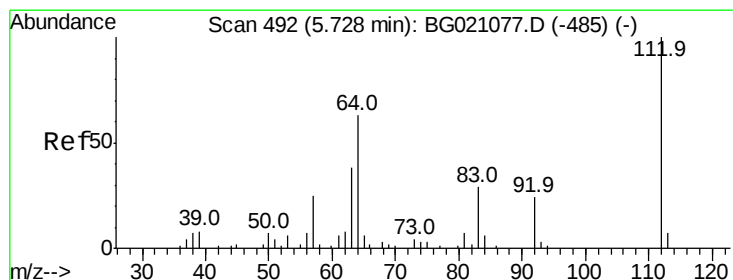
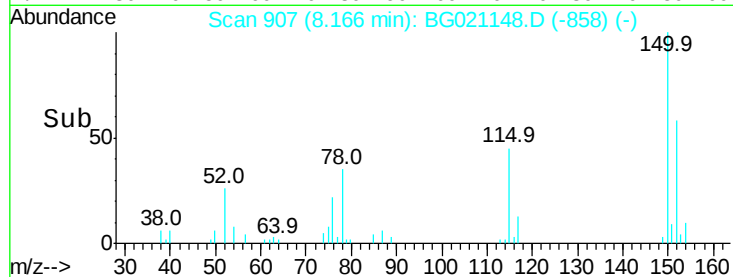
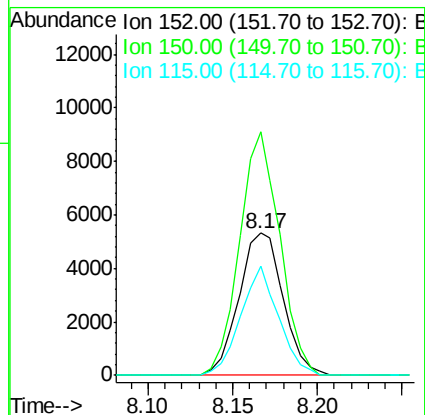
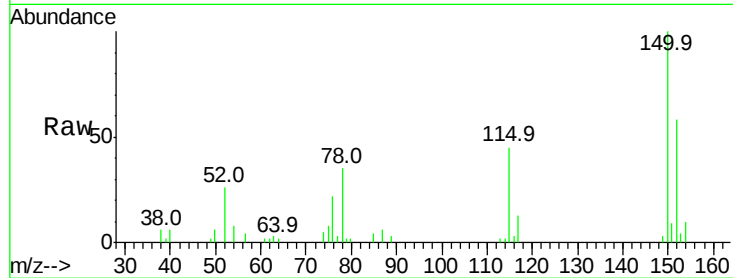
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 907
Delta R.T. -0.01 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Instrument :
BNA_G
ClientSampleId :
POST-EX-12-20160211

Tot Ion	Ratio	Lower	Upper
152	100		
150	171.1	123.4	185.2
115	76.3	43.3	64.9#

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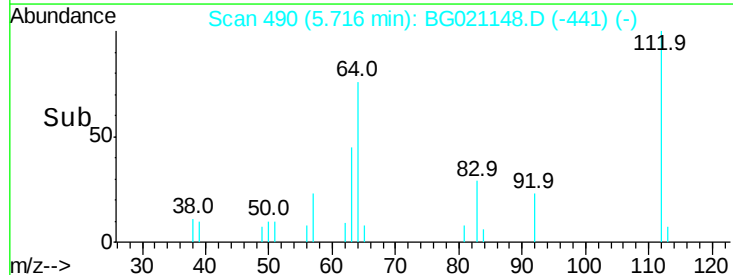
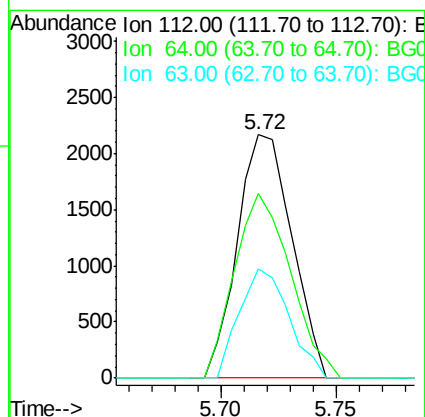
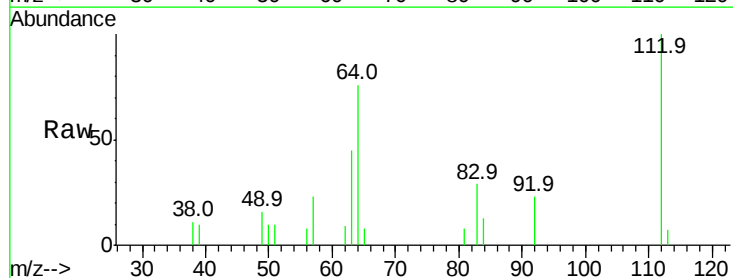
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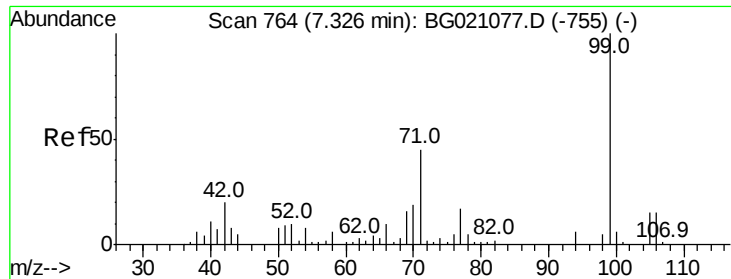


#5

2-Fluorophenol
Concen: 6.45 ng
RT: 5.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.8	42.6	63.8#
63	44.6	21.7	32.5#





#7

Phenol-d6

Concen: 7.86 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Instrument :

BNA_G

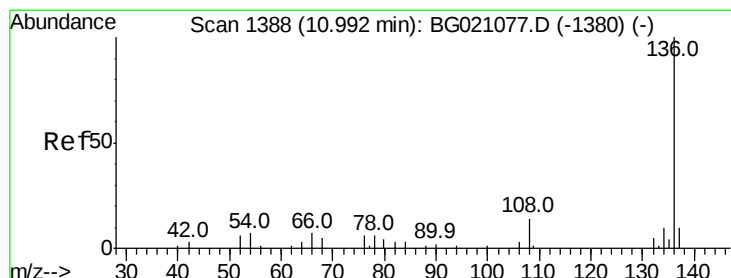
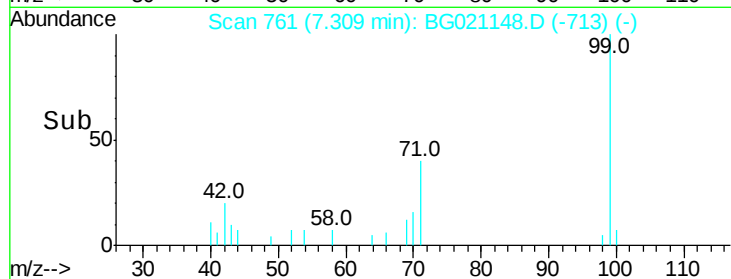
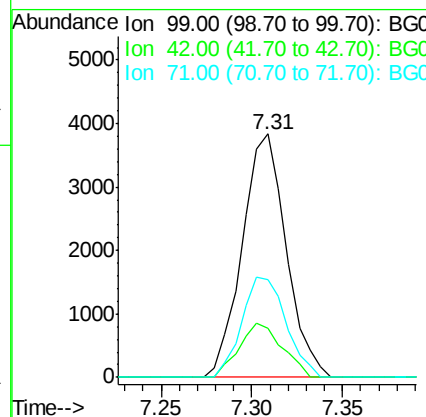
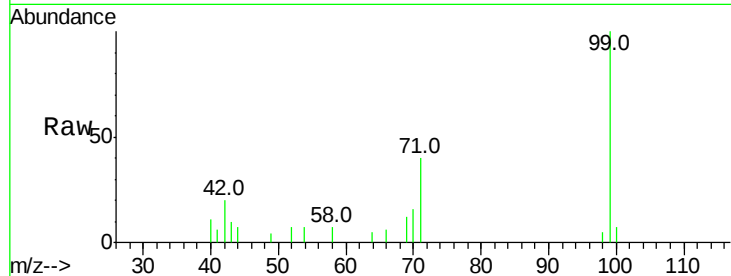
ClientSampleId :

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Tot Ion:	99	Resp:	6456
Ion Ratio	Lower	Upper	
99	100		
42	20.3	13.2	19.8#
71	40.3	25.2	37.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

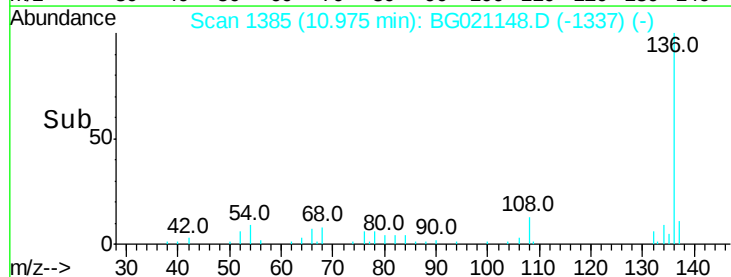
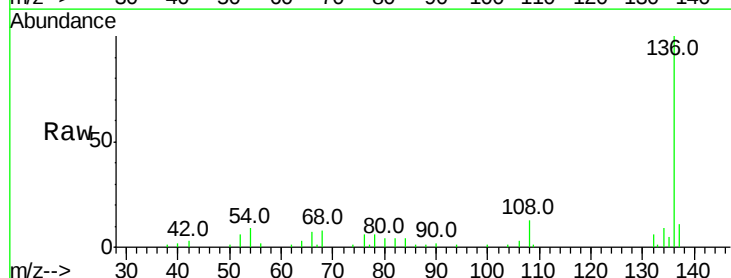
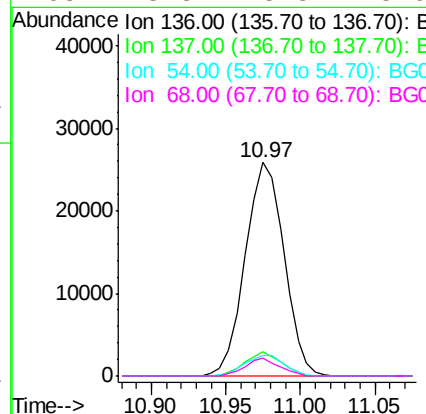
RT: 10.97 min Scan# 1385

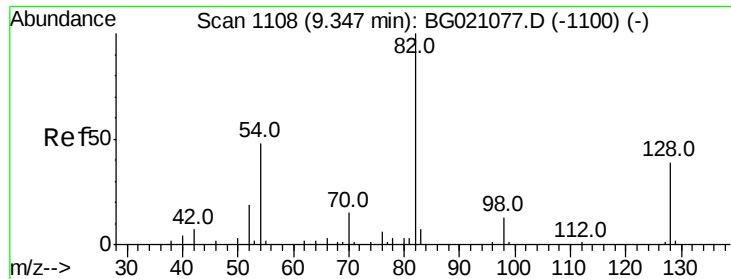
Delta R.T. -0.02 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Tgt Ion:	136	Resp:	46465
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	9.4	6.9	10.3
68	8.3	5.8	8.6





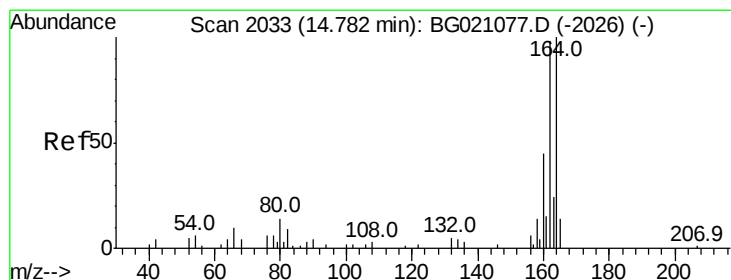
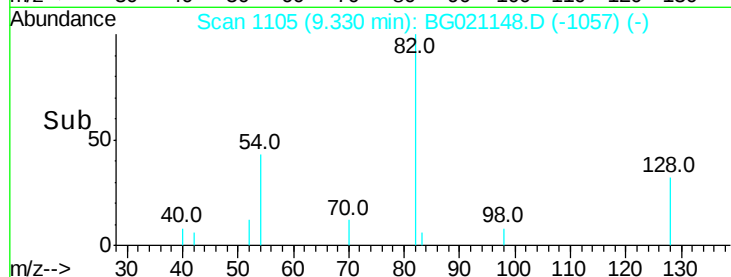
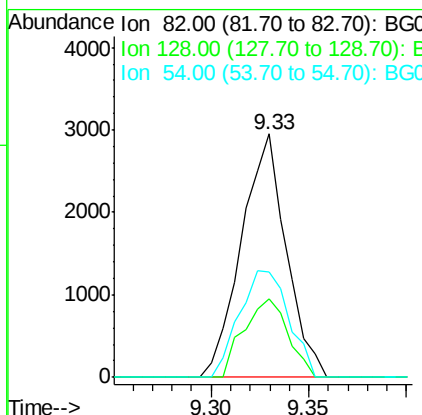
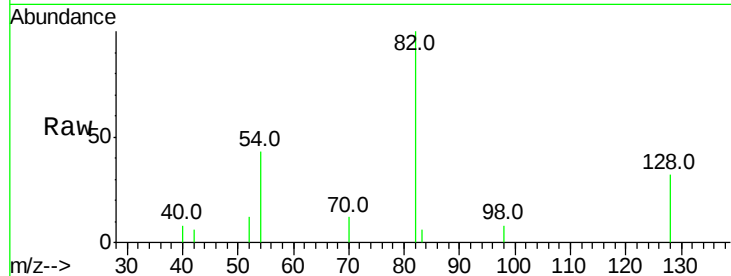
#23
 Nitrobenzene-d5
 Concen: 4.80 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.02 min
 Lab File: BG021148.D
 Acq: 28 Feb 2016 12:40

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	32.3	36.3	54.5#
54	43.3	37.6	56.4

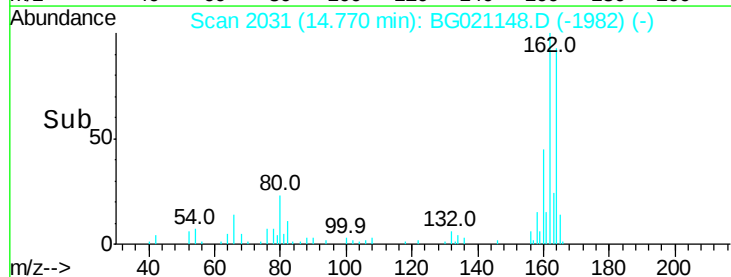
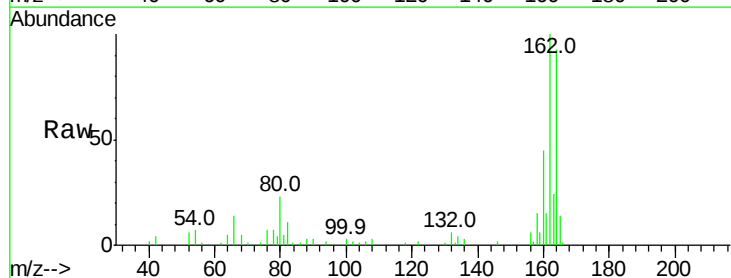
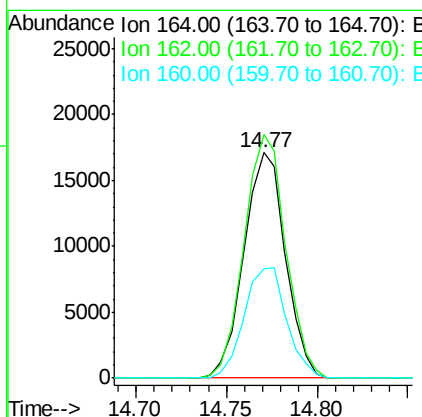
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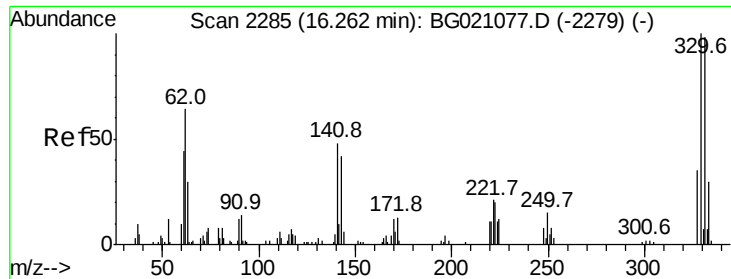
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.77 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BG021148.D
 Acq: 28 Feb 2016 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.1	80.6	120.8
160	48.6	36.5	54.7





#41

2,4,6-Tribromophenol

Concen: 4.15 ng

RT: 16.25 min Scan# 2282

Delta R.T. -0.02 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Instrument :

BNA_G

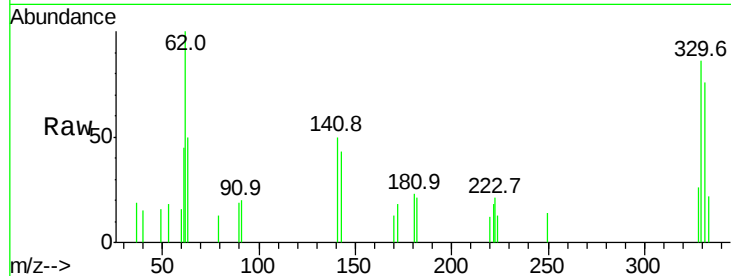
ClientSampleId :

POST-EX-12-20160211

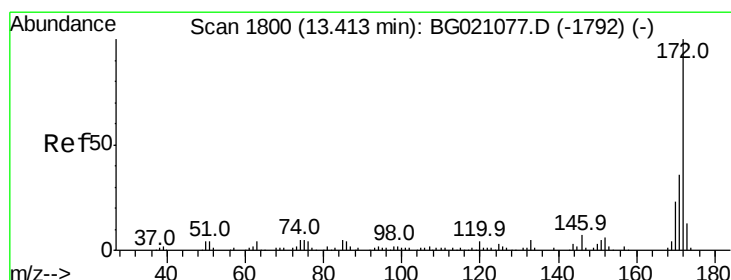
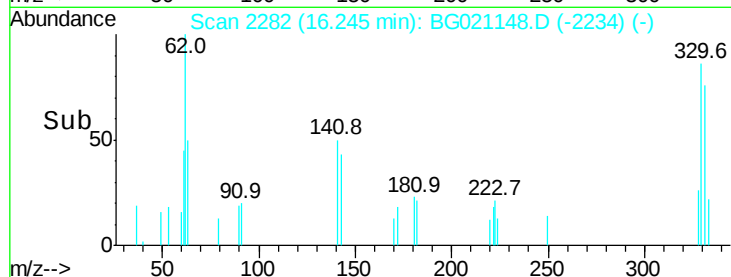
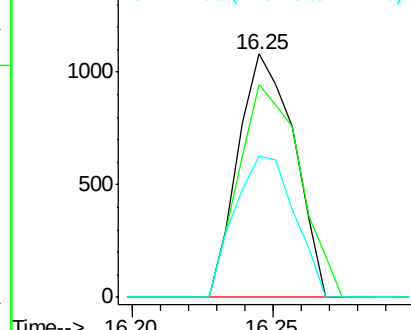
Tot Ion:	330	Resp:	1481
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.4	116.0
141	62.2	35.3	52.9#

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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: 3.77 ng

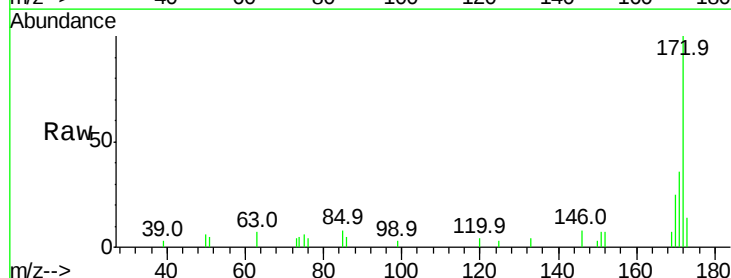
RT: 13.40 min Scan# 1797

Delta R.T. -0.02 min

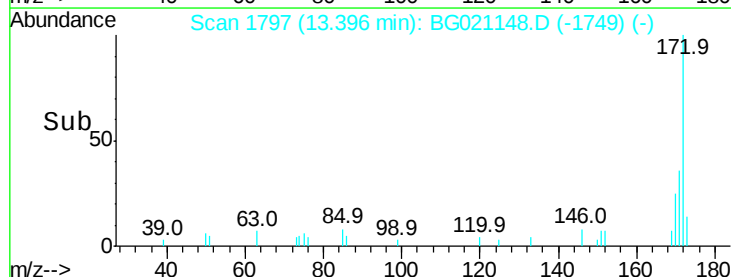
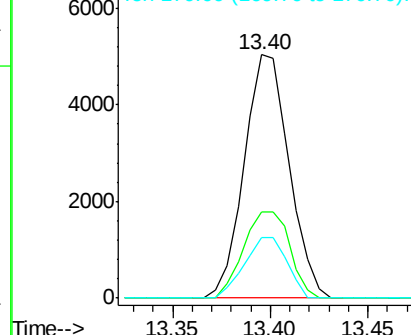
Lab File: BG021148.D

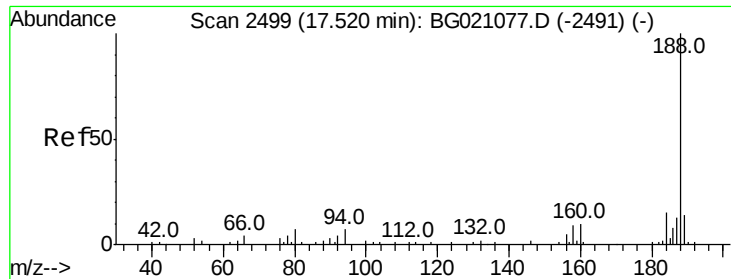
Acq: 28 Feb 2016 12:40

Tgt Ion:	172	Resp:	8012
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.4	44.0
170	25.1	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.51 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Instrument :

BNA_G

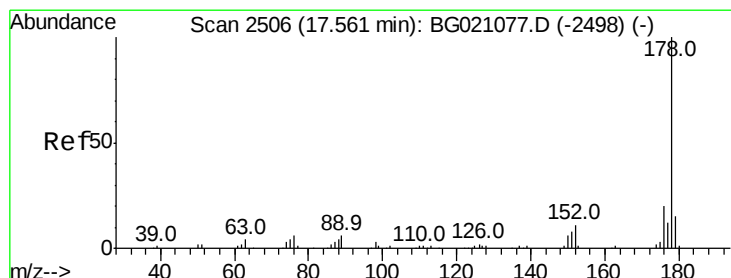
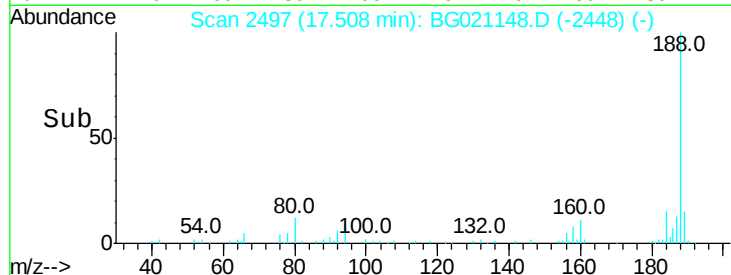
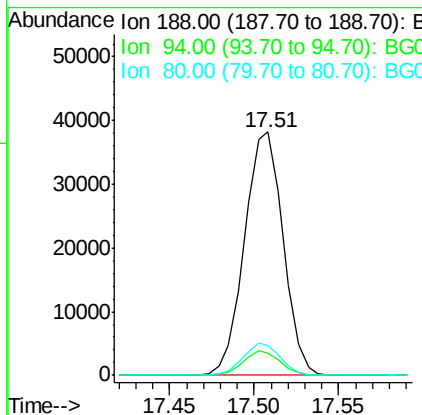
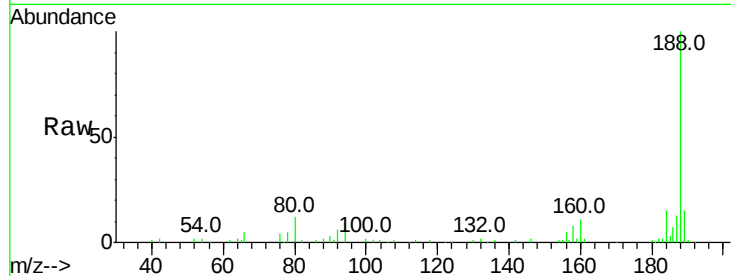
ClientSampleId :

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Tot Ion:	188	Resp:	60539
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.2	12.4
80	12.4	9.2	13.8

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#70

Phenanthrene

Concen: 7.29 ng

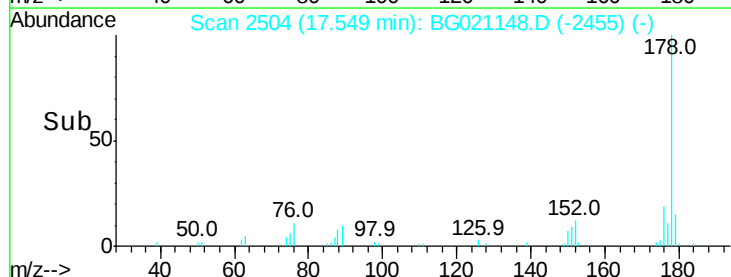
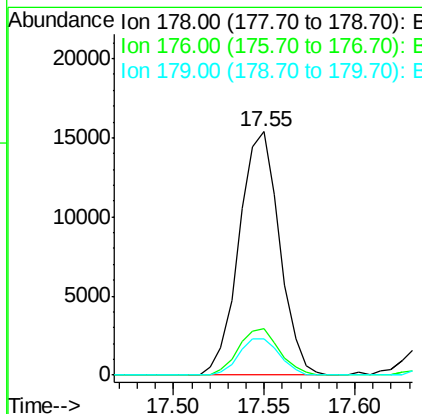
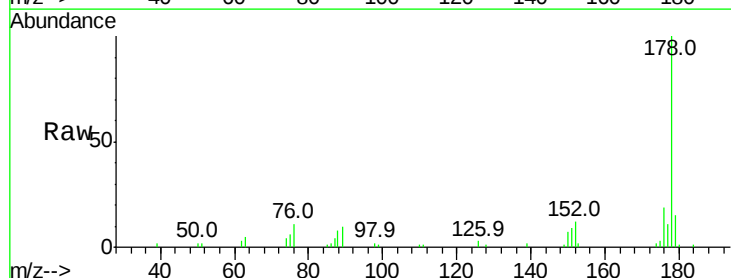
RT: 17.55 min Scan# 2504

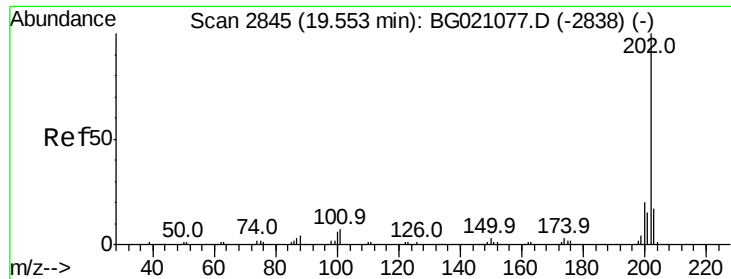
Delta R.T. -0.01 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Tgt Ion:	178	Resp:	23760
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.1	12.9	19.3





#74

Fluoranthene

Concen: 9.86 ng

RT: 19.54 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Instrument :

BNA_G

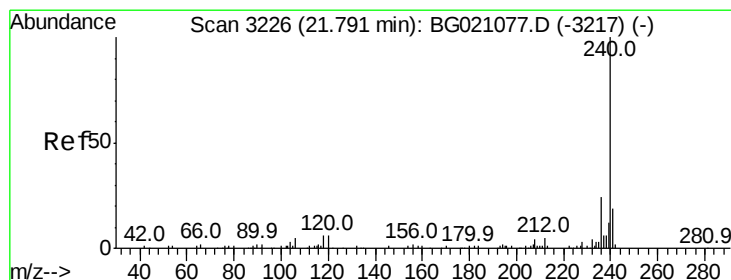
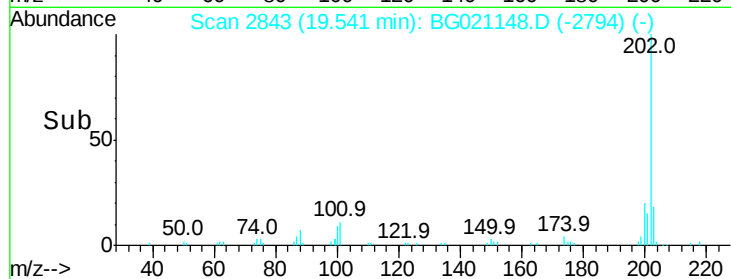
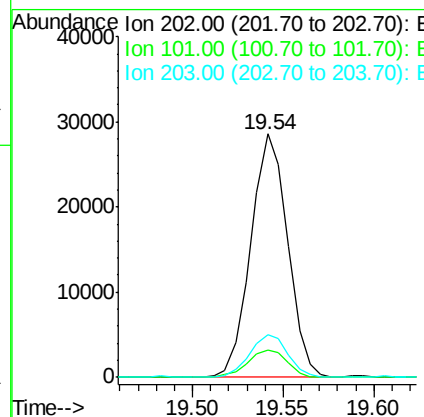
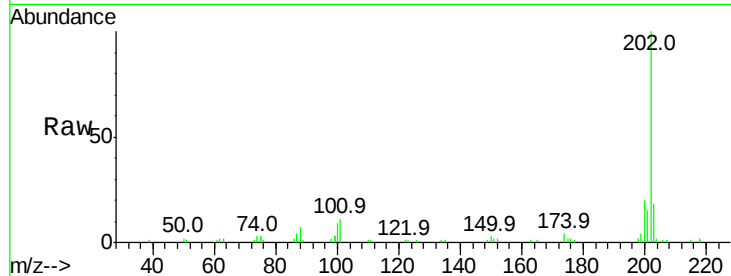
ClientSampleId :

POST-EX-12-20160211

Tot Ion:	202	Resp:	40272
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.5
203	17.6	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

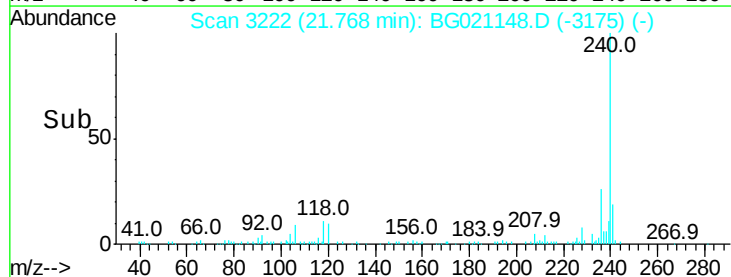
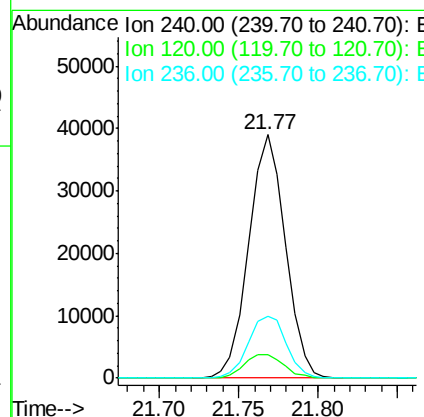
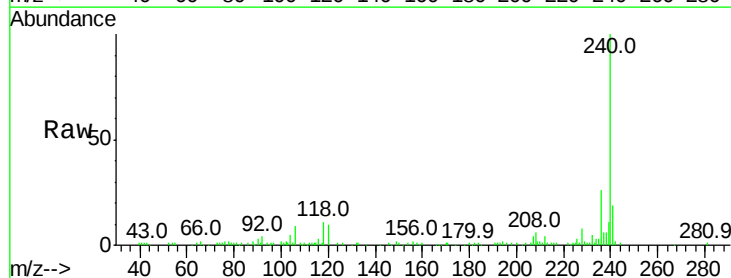
RT: 21.77 min Scan# 3222

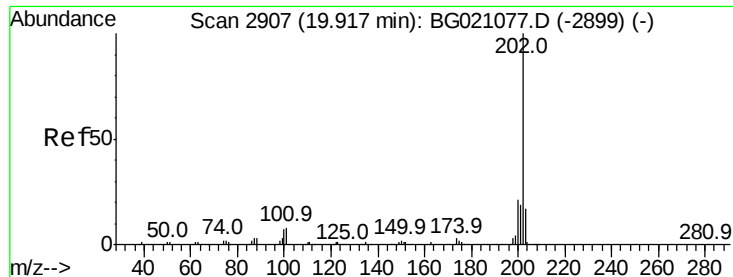
Delta R.T. -0.02 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Tgt Ion:	240	Resp:	62713
Ion Ratio	Lower	Upper	
240	100		
120	9.8	7.5	11.3
236	25.6	20.5	30.7





#77

Pvrene

Concen: 12.62 ng

RT: 19.91 min Scan# 2905

Delta R.T. -0.01 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Instrument :

BNA_G

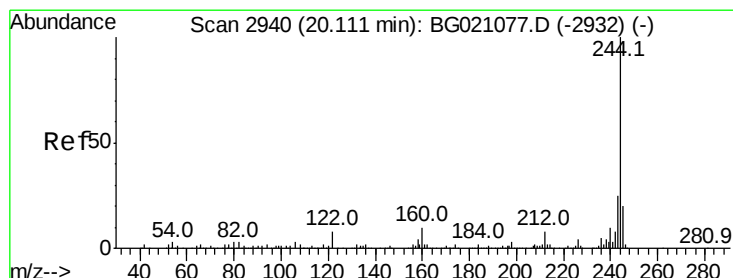
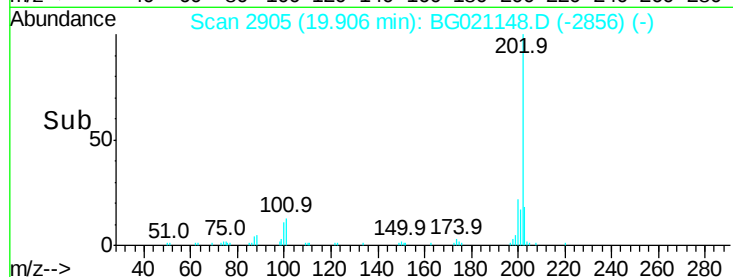
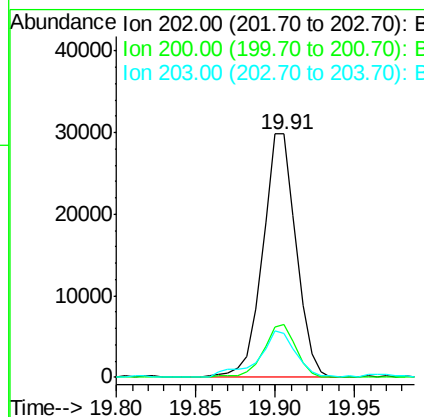
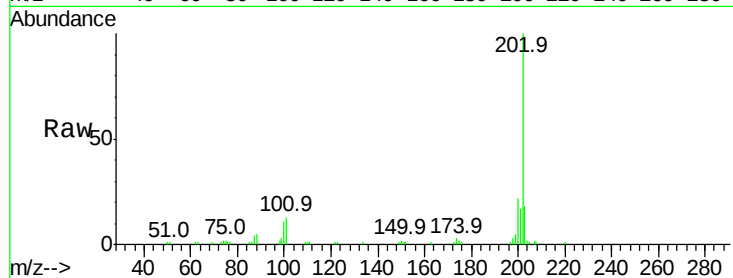
ClientSampleId :

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Tot Ion:	202	Resp:	43814
Ion Ratio		Lower	Upper
202	100		
200	21.8	16.6	25.0
203	17.8	13.8	20.8

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#78

Terphenyl-d14

Concen: 3.42 ng

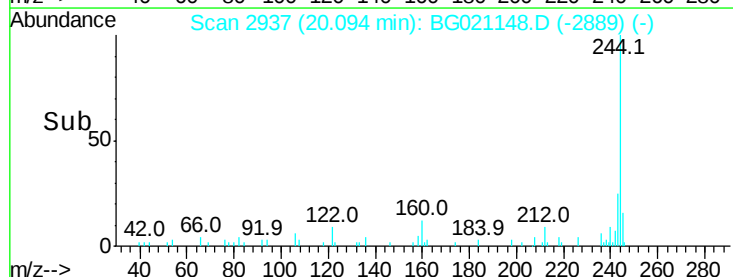
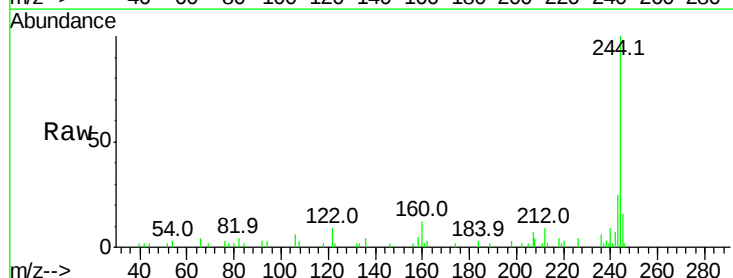
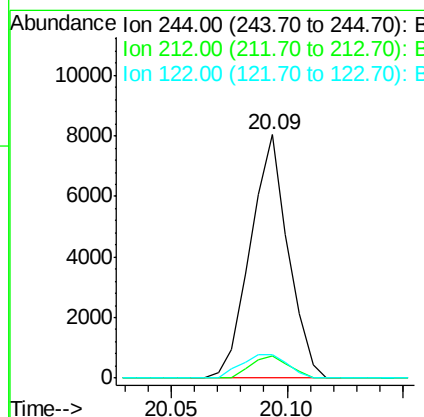
RT: 20.09 min Scan# 2937

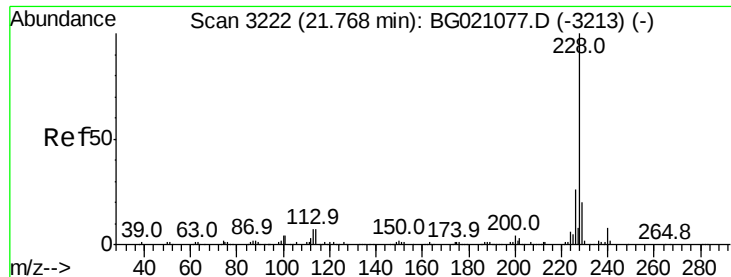
Delta R.T. -0.02 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Tgt Ion:	244	Resp:	9172
Ion Ratio		Lower	Upper
244	100		
212	9.3	5.8	8.6#
122	9.4	8.3	12.5





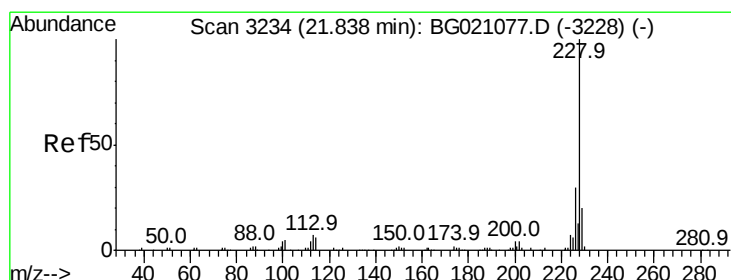
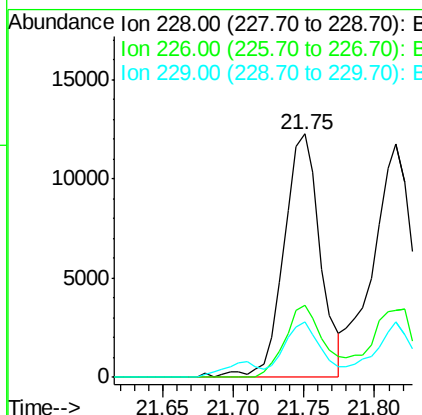
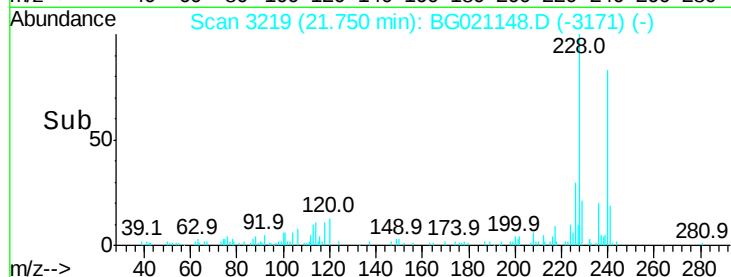
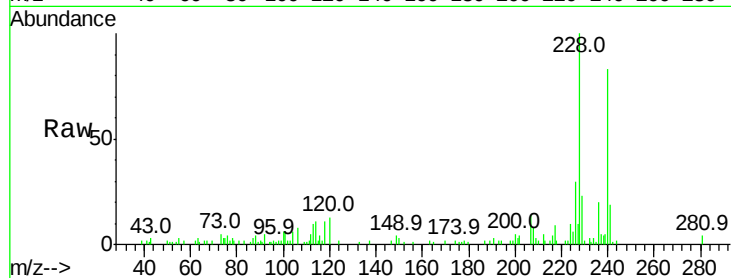
#80
Benzo(a)anthracene
Concen: 6.09 ng
RT: 21.75 min Scan# 3219
Delta R.T. -0.02 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Instrument :
BNA_G
ClientSampleId :
POST-EX-12-20160211

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.7	34.1
229	22.6	15.5	23.3

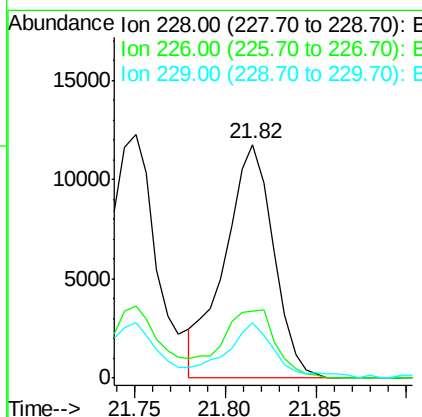
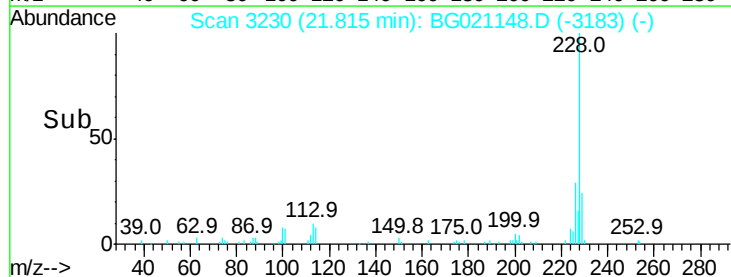
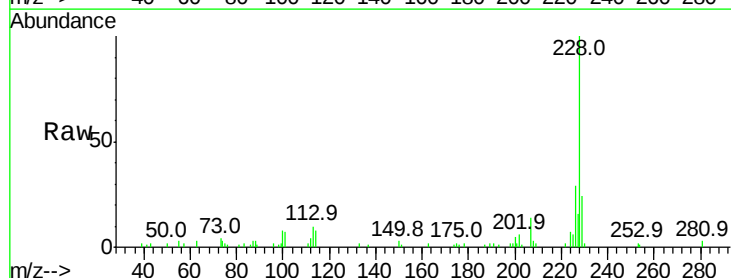
Manual Integrations
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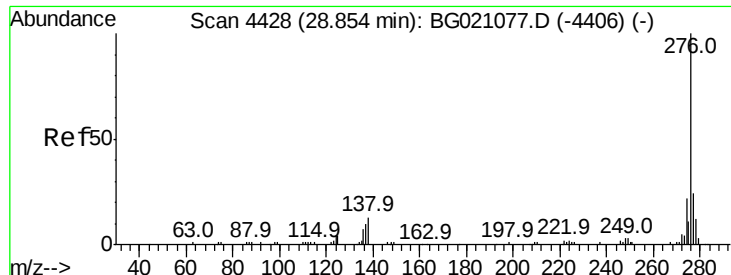
Sohil
2/29/2016 12:39:36 PM



#82
Chrysene
Concen: 6.35 ng
RT: 21.82 min Scan# 3230
Delta R.T. -0.02 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	23.7	16.7	25.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.10 ng/mL

RT: 28.79 min Scan# 4417

Delta R.T. -0.06 min

Lab File: BG021148.D

Acq: 28 Feb 2016 12:40

Instrument :

BNA_G

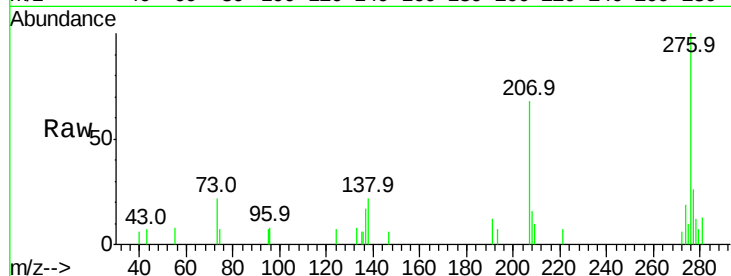
ClientSampleId :

POST-EX-12-20160211

Tot Ion:	276	Resp:	12976
Ion Ratio	Lower	Upper	
276	100		
138	15.0	0.0	0.0#
277	22.3	0.0	0.0#

Manual Integrations
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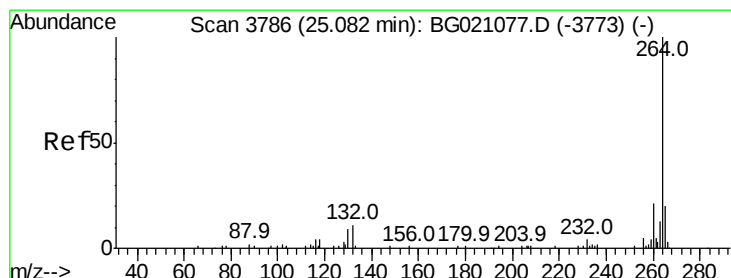
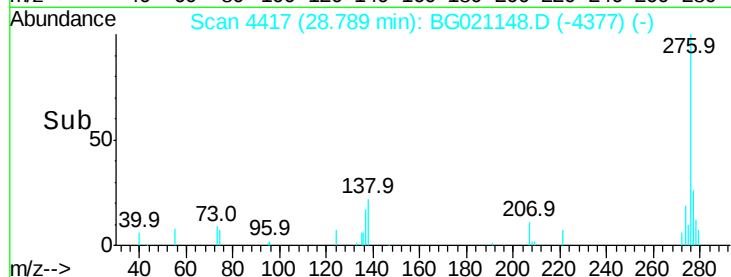
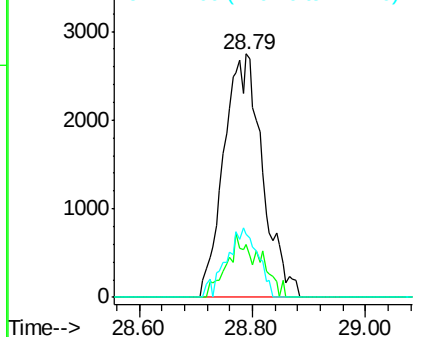
Sohil
2/29/2016 12:39:36 PM



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: BG021148.D

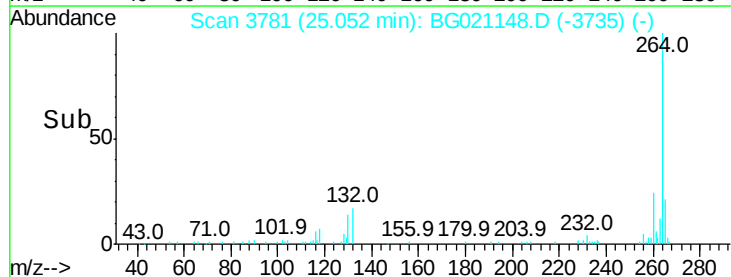
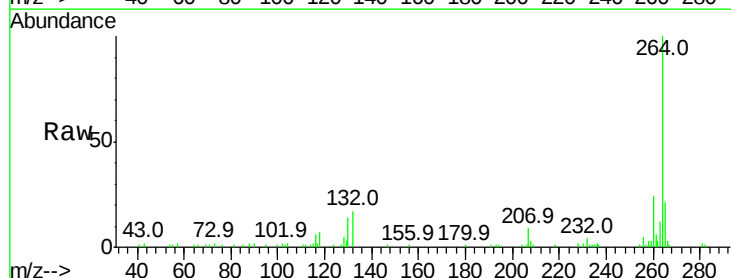
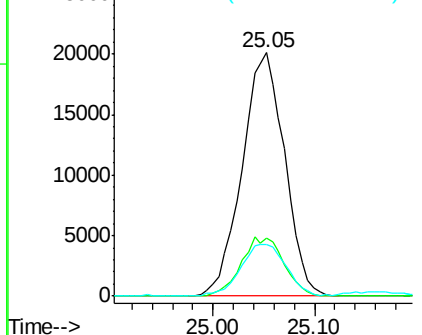
Acq: 28 Feb 2016 12:40

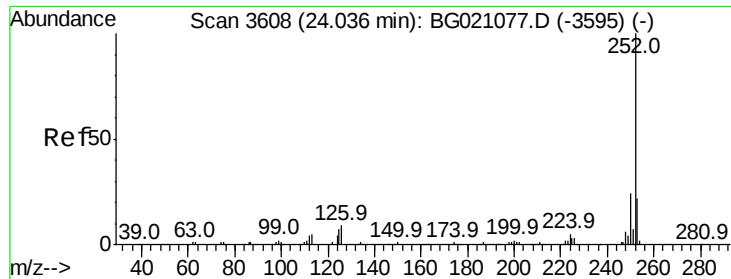
Tgt Ion:	264	Resp:	58356
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.5	27.7
265	21.3	18.6	28.0

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





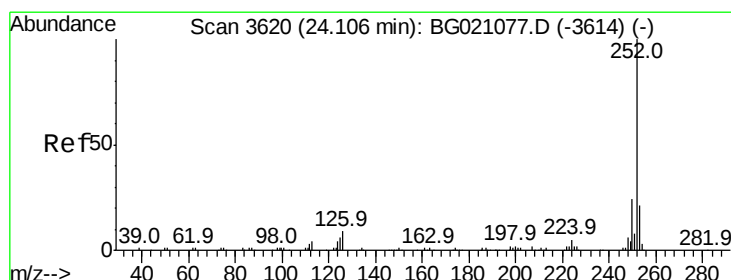
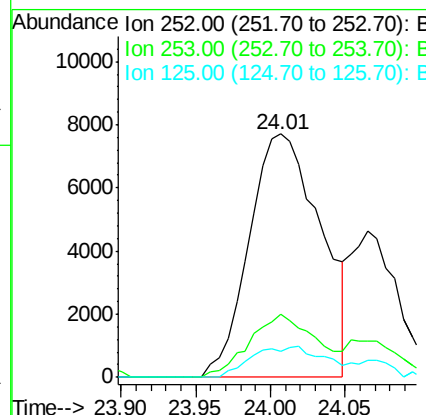
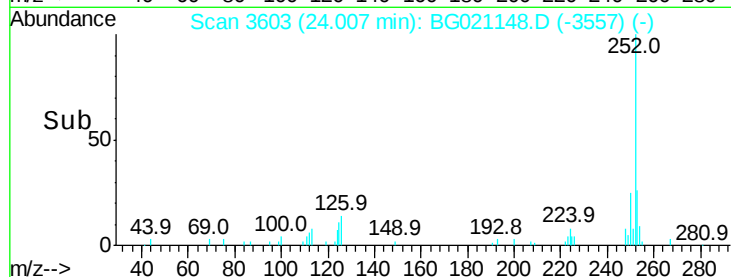
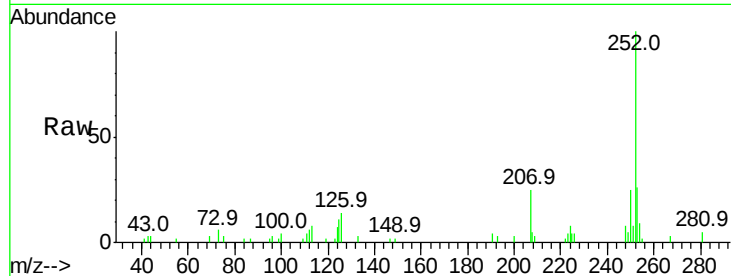
#87
Benzo(b)fluoranthene
Concen: 7.01 ng
RT: 24.01 min Scan# 3603
Delta R.T. -0.03 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Instrument :
BNA_G
ClientSampleId :
POST-EX-12-20160211

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	16.8	25.2
125	10.5	8.2	12.2

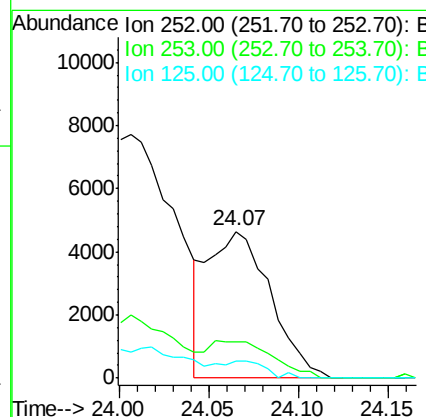
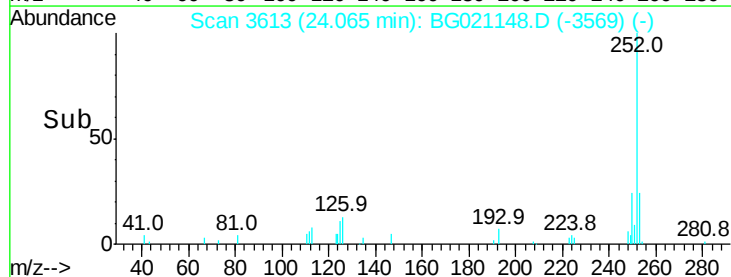
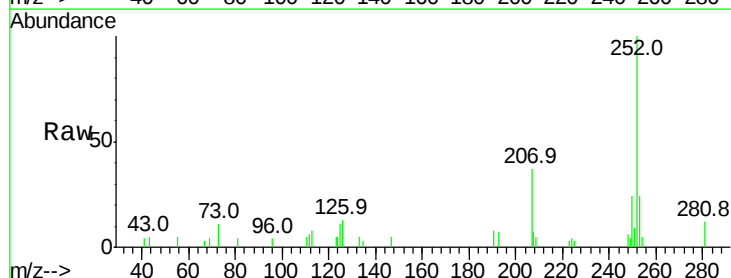
Manual Integrations
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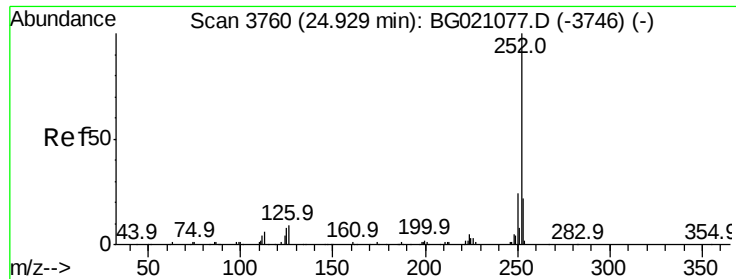
Sohil
2/29/2016 12:39:36 PM



#88
Benzo(k)fluoranthene
Concen: 3.11 ng m
RT: 24.07 min Scan# 3613
Delta R.T. -0.04 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.4	24.6
125	11.3	8.2	12.2





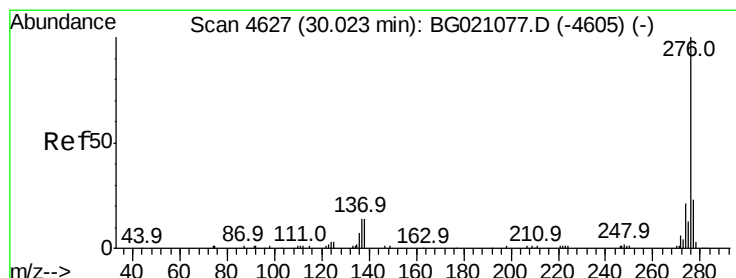
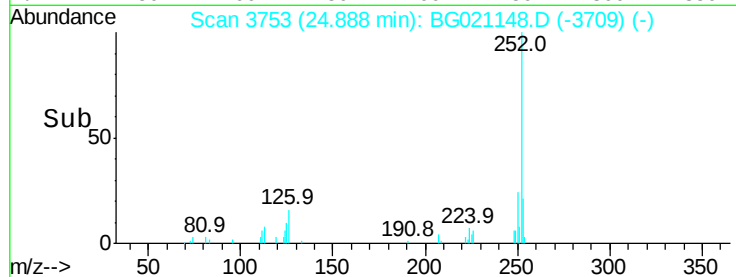
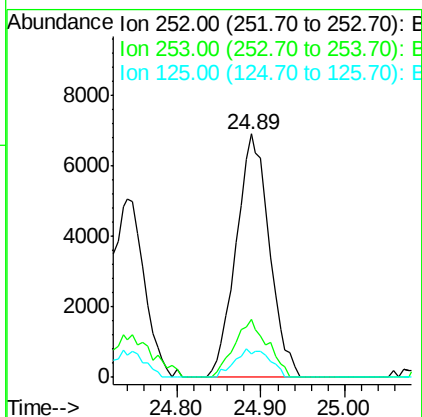
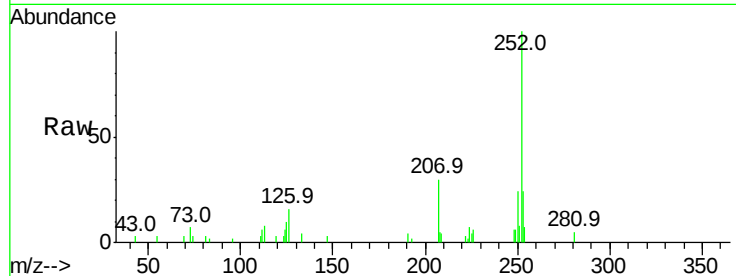
#89
Benzo(a)pyrene
Concen: 5.43 ng/ml
RT: 24.89 min Scan# 3753
Delta R.T. -0.04 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Instrument :
BNA_G
ClientSampleId :
POST-EX-12-20160211

Tot Ion:	252	Resp:	18999
Ion Ratio	Lower	Upper	
252	100		
253	23.9	15.8	23.8#
125	9.8	8.4	12.6

Manual Integrations
APPROVED

Sohil
2/29/2016 12:39:36 PM



#91
Benzo(g,h,i)perylene
Concen: 3.82 ng/ml
RT: 29.95 min Scan# 4614
Delta R.T. -0.08 min
Lab File: BG021148.D
Acq: 28 Feb 2016 12:40

Tgt Ion:	276	Resp:	13001
Ion Ratio	Lower	Upper	
276	100		
277	26.2	16.6	25.0#
138	25.3	14.6	21.8#

