

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
 Data File : BG021708.D
 Acq On : 16 Apr 2016 8:47
 Operator : UM/SJ
 Sample : H2558-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13-7.5-8

Manual Integrations
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 4/18/2016 7:22:06 PM

Quant Time: Apr 18 11:24:18 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	31592	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	128435	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	88101	20.00	ng	0.01
63) Phenanthrene-d10	17.58	188	168386	20.00	ng	0.01
75) Chrysene-d12	21.84	240	195027	20.00	ng	0.00
86) Perylene-d12	25.17	264	198116	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	287227	151.40	ng	0.01
7) Phenol-d6	7.38	99	398094	140.48	ng	0.02
23) Nitrobenzene-d5	9.39	82	288314	115.38	ng	0.00
41) 2,4,6-Tribromophenol	16.32	330	162355	170.99	ng	0.01
44) 2-Fluorobiphenyl	13.46	172	585087	97.30	ng	0.00
78) Terphenyl-d14	20.16	244	802840	102.72	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.10	128	331592	48.24	ng	# 83
37) 2-Methylnaphthalene	12.69	142	453255	96.06	ng	95
45) 1,1'-Biphenyl	13.67	154	125977	16.97	ng	97
49) Dimethylphthalate	14.27	163	58383	7.66	ng	# 75
70) Phenanthrene	17.62	178	93016	10.02	ng	# 88
74) Fluoranthene	19.61	202	100230	9.04	ng	95
77) Pyrene	19.97	202	151029	13.43	ng	# 96
80) Benzo(a)anthracene	21.82	228	50726	4.52	ng	# 91
82) Chrysene	21.88	228	44908	4.16	ng	# 91
85) Indeno(1,2,3-cd)pyrene	28.97	276	34445	2.69	ng	# 85
87) Benzo(b)fluoranthene	24.10	252	64311	5.59	ng	# 87
88) Benzo(k)fluoranthene	24.17	252	22840m	2.03	ng	
89) Benzo(a)pyrene	25.01	252	46579	4.18	ng	# 84
91) Benzo(a,h,i)perylene	30.17	276	32020	2.92	ng	97

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

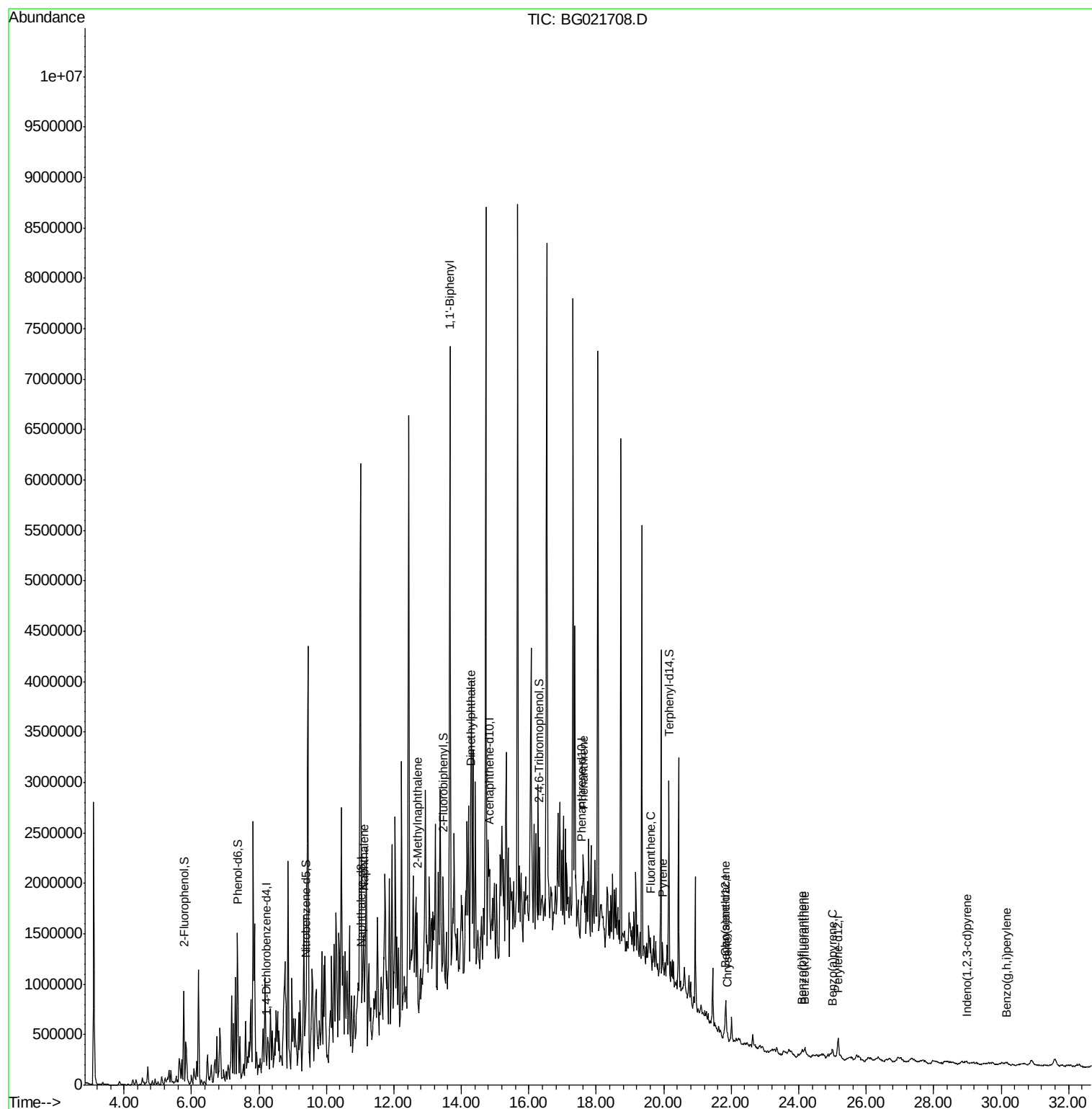
Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
Data File : BG021708.D
Acq On : 16 Apr 2016 8:47
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ALS Vial : 16 Sample Multiplier: 1

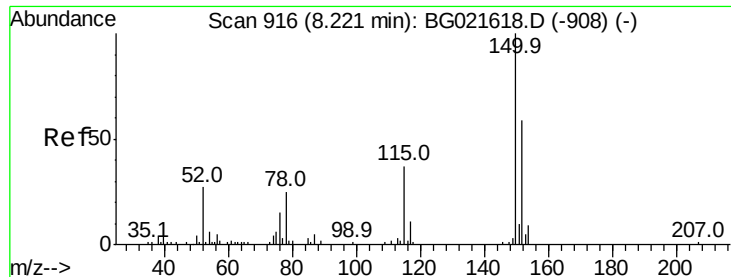
Instrument :
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SB-13-7.5-8

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#1

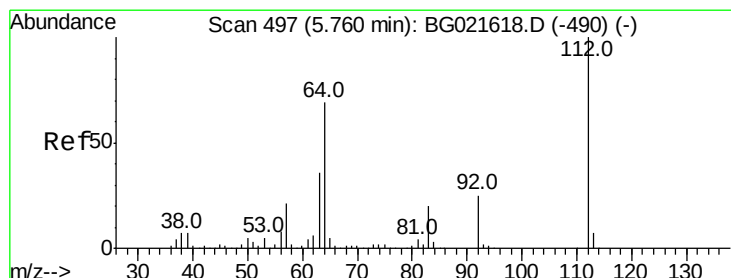
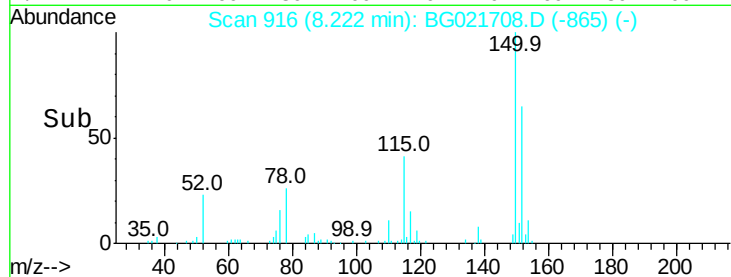
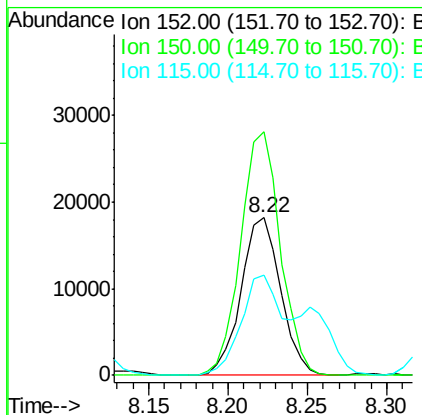
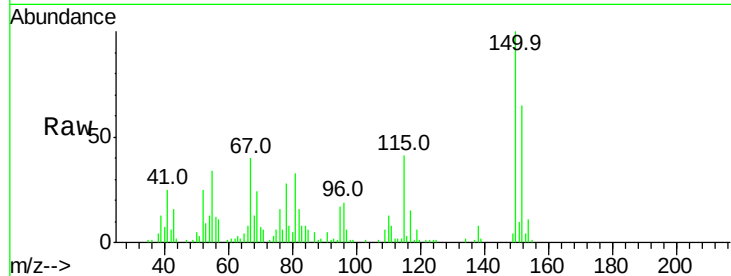
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 916
Delta R.T. 0.00 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	130.1	195.1
115	63.8	62.2	93.2

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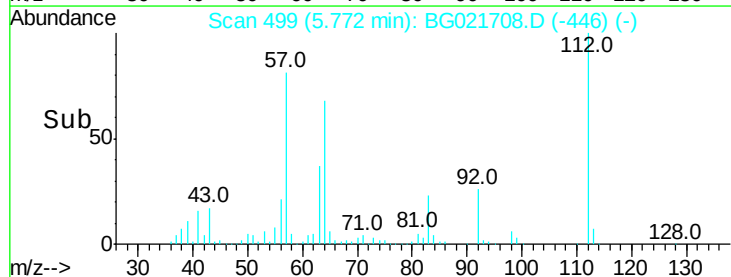
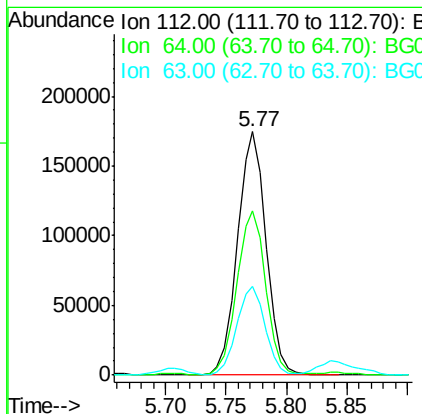
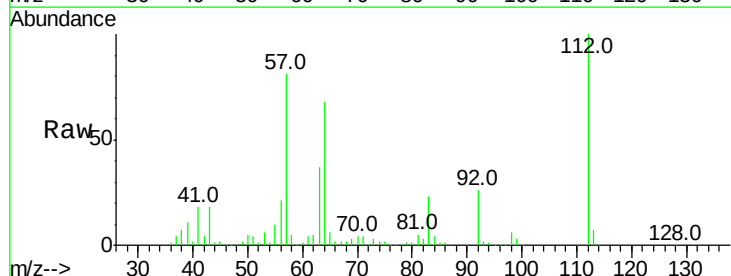
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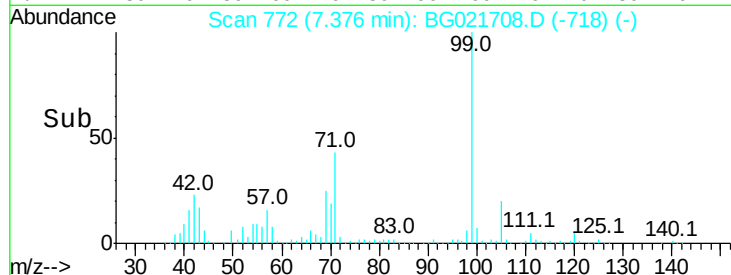
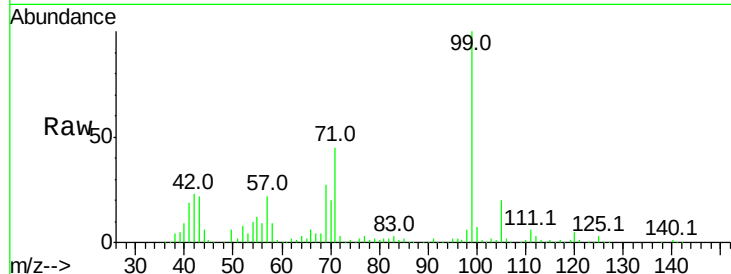
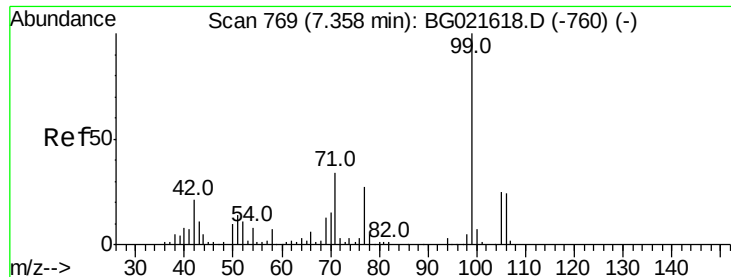


#5

2-Fluorophenol
Concen: 151.40 ng
RT: 5.77 min Scan# 499
Delta R.T. 0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	51.1	76.7
63	36.6	24.6	37.0





#7

Phenol-d6

Concen: 140.48 ng

RT: 7.38 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

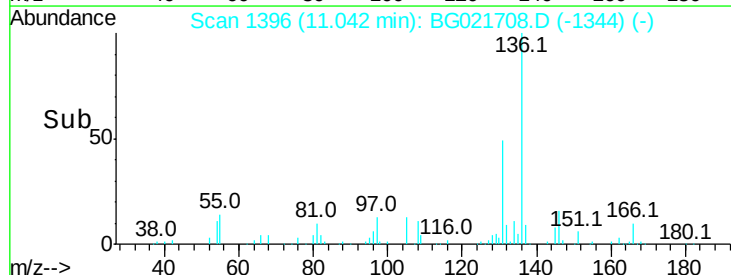
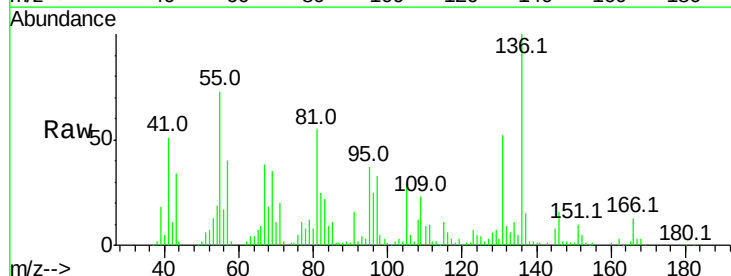
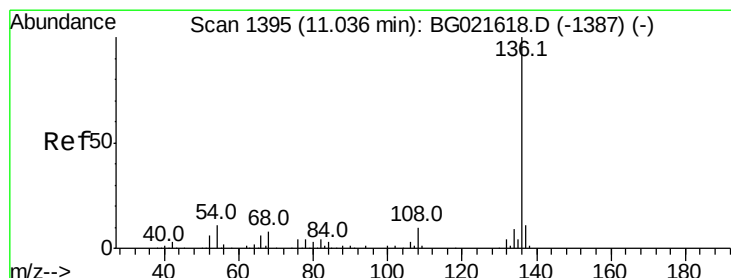
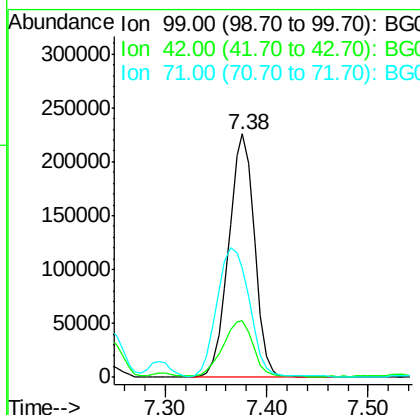
ClientSampleId :

SB-13-7.5-8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		398094		
42	23.3	16.4	24.6		
71	44.8	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

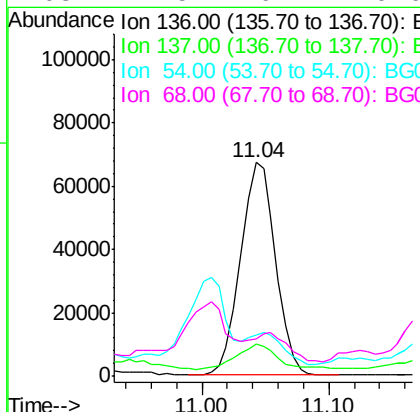
RT: 11.04 min Scan# 1396

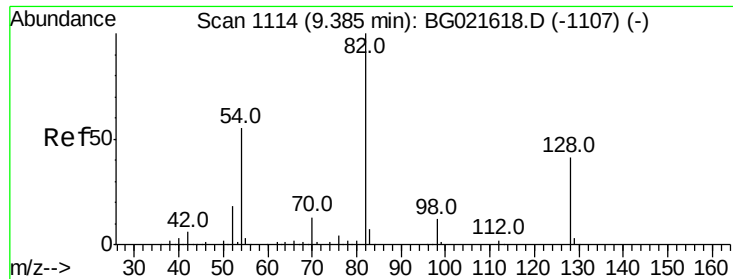
Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		128435		
137	14.9	9.0	13.4		
54	19.0	9.6	14.4		
68	17.5	6.4	9.6		





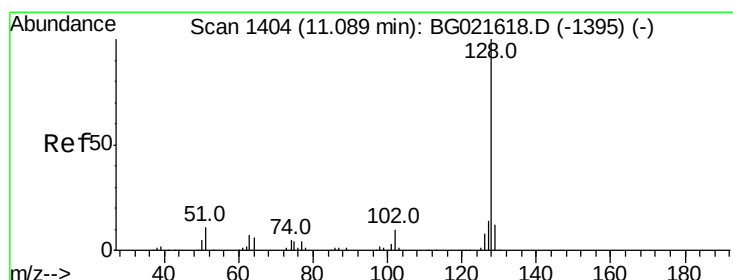
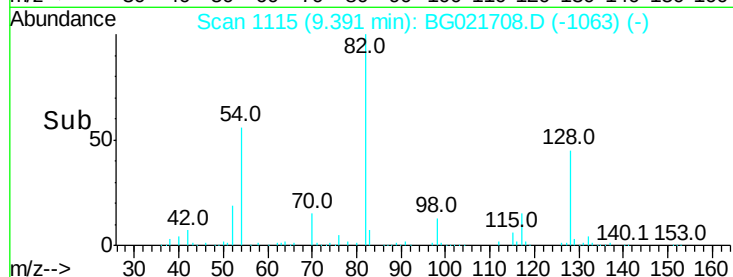
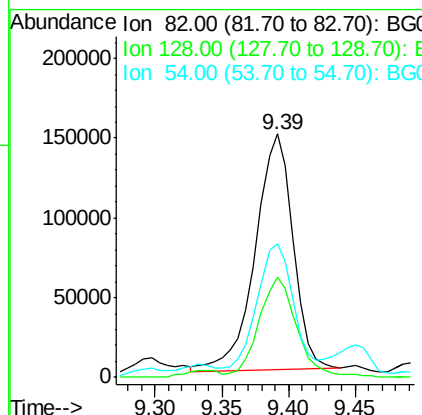
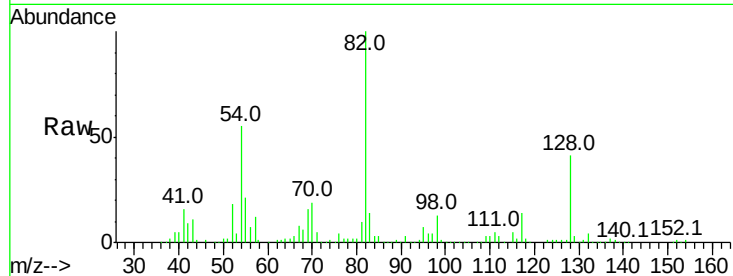
#23
 Nitrobenzene-d5
 Concen: 115.38 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

Instrument :
 BNA_G
 ClientSampleId :
 SB-13-7.5-8

Tot Ion	82	Resp	288314
Ion Ratio	Lower	Upper	
82	100		
128	41.3	33.4	50.0
54	55.0	46.1	69.1

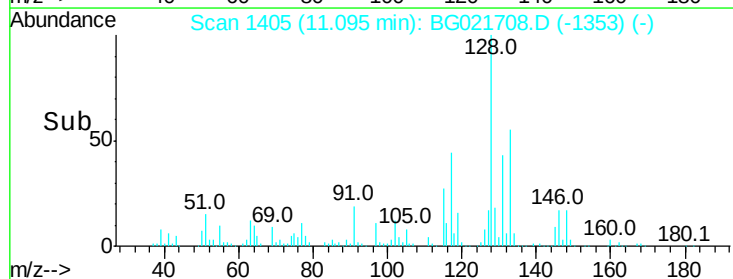
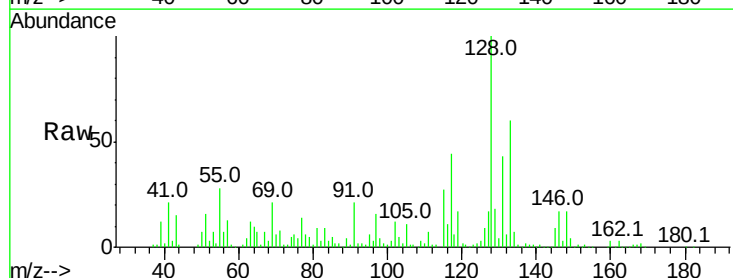
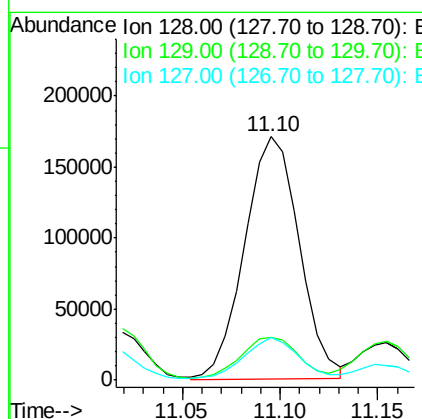
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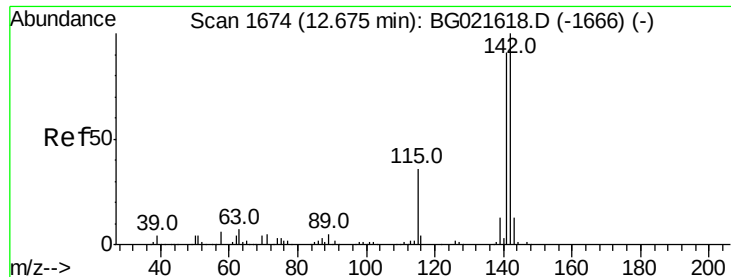
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#31
 Naphthalene
 Concen: 48.24 ng
 RT: 11.10 min Scan# 1405
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

Tgt Ion	128	Resp	331592
Ion Ratio	Lower	Upper	
128	100		
129	17.7	7.0	10.6#
127	17.4	10.1	15.1#





#37

2-Methylnaphthalene

Concen: 96.06 ng

RT: 12.69 min Scan# 1676

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

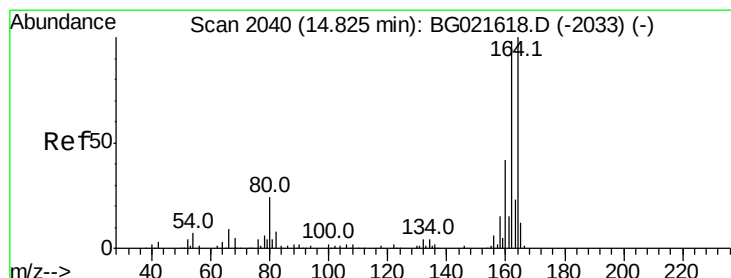
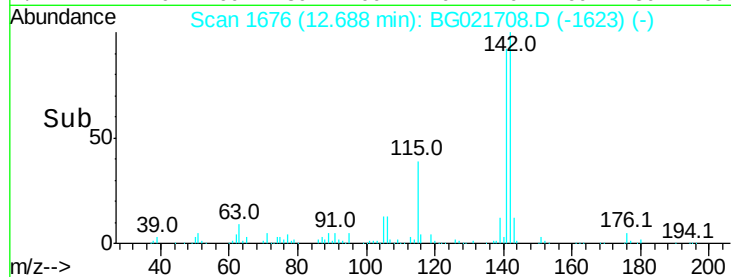
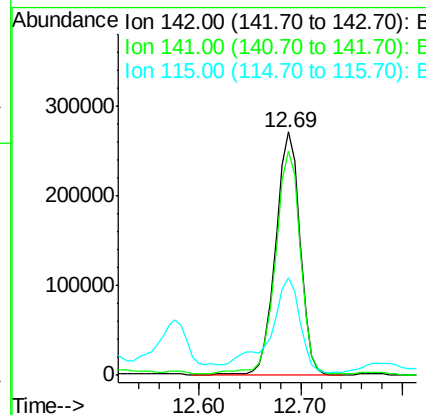
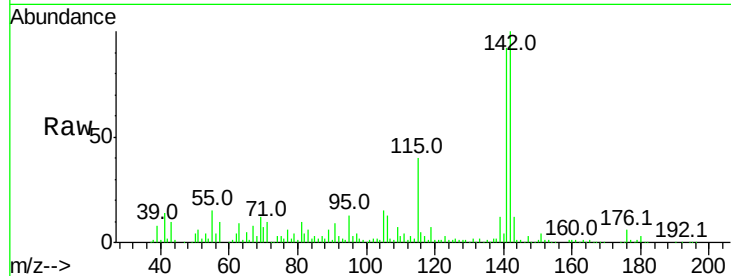
ClientSampleId :

SB-13-7.5-8

Tot Ion:	142	Resp:	453255
Ion Ratio	Lower	Upper	
142	100		
141	91.9	71.4	107.0
115	40.3	27.4	41.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

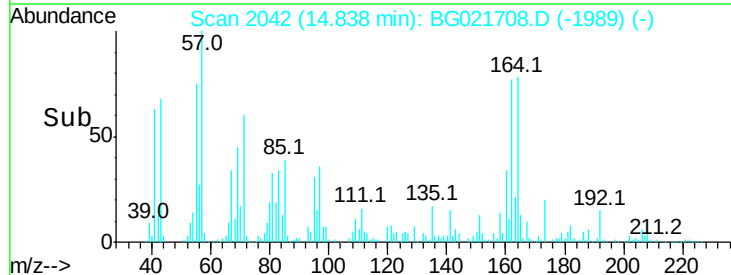
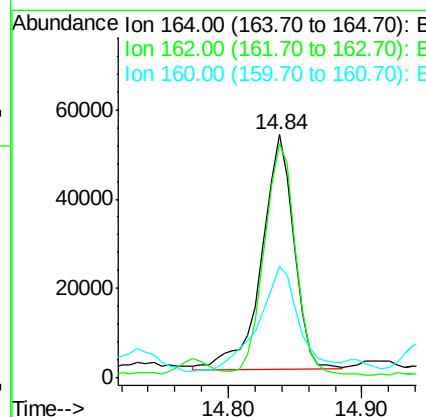
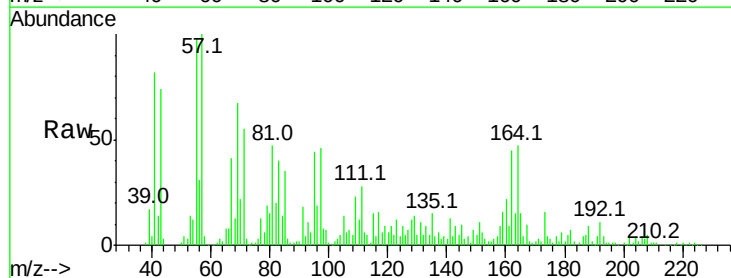
RT: 14.84 min Scan# 2042

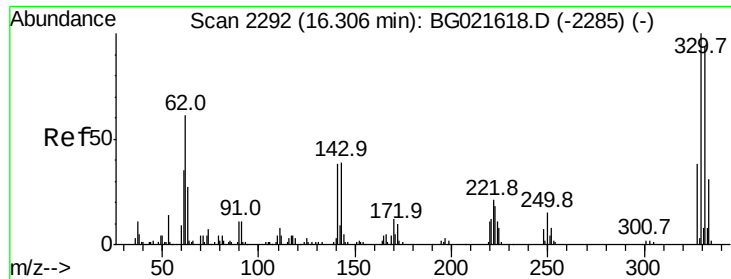
Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:	164	Resp:	88101
Ion Ratio	Lower	Upper	
164	100		
162	96.5	78.0	117.0
160	46.1	32.9	49.3





#41

2,4,6-Tribromophenol

Concen: 170.99 ng

RT: 16.32 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

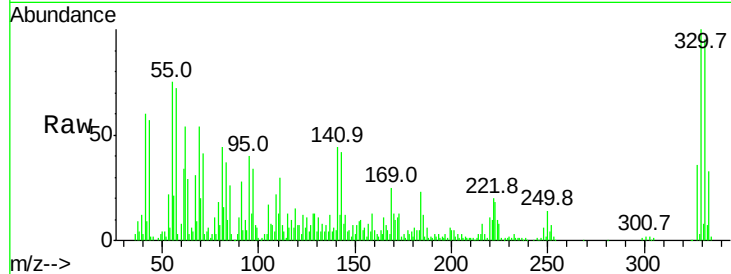
ClientSampled :

SB-13-7.5-8

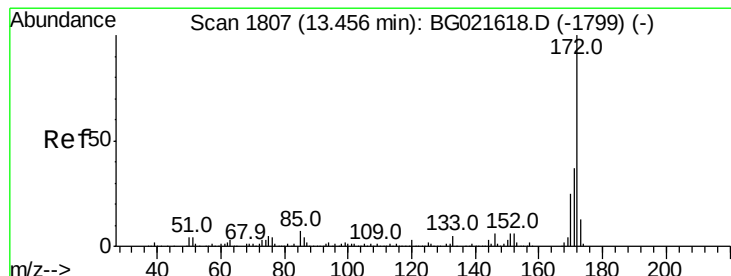
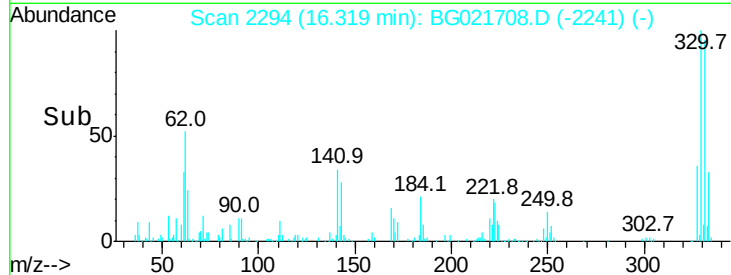
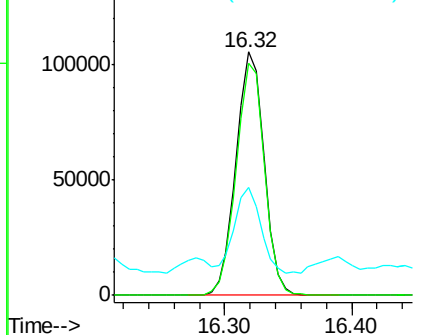
Tot Ion:	330	Resp:	162355
Ion Ratio	Lower	Upper	
330	100		
332	95.7	78.0	117.0
141	32.4	33.8	50.8#

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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: 97.30 ng

RT: 13.46 min Scan# 1808

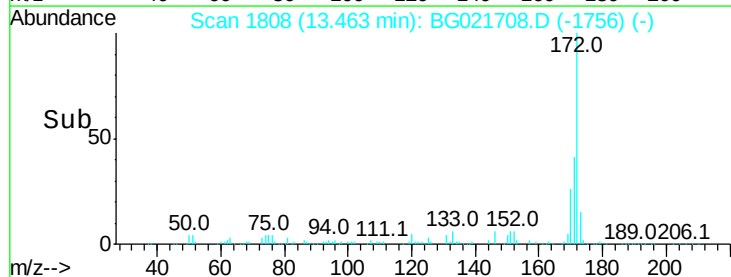
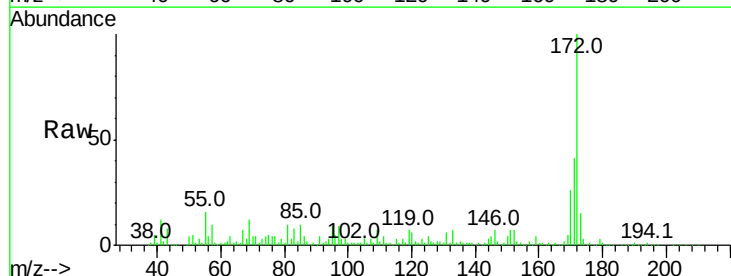
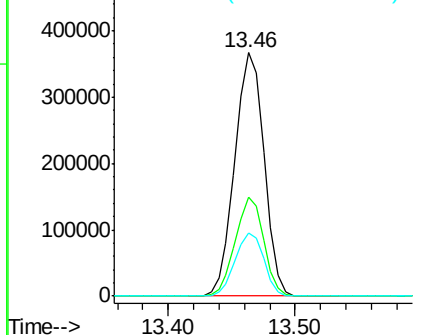
Delta R.T. 0.01 min

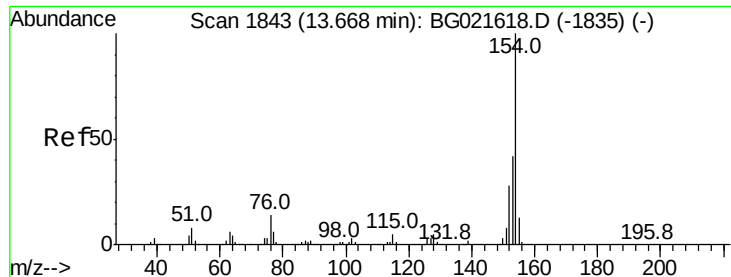
Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:	172	Resp:	585087
Ion Ratio	Lower	Upper	
172	100		
171	40.5	27.8	41.6
170	25.8	19.6	29.4

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





#45

1,1'-Biphenyl

Concen: 16.97 ng

RT: 13.67 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

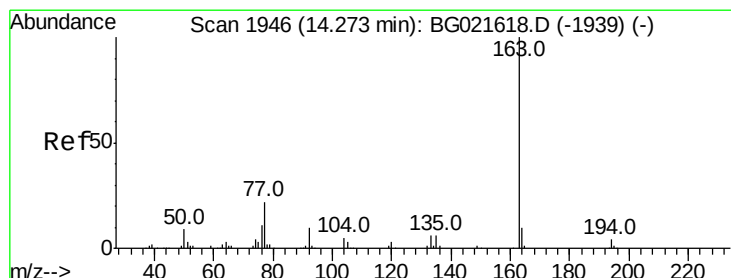
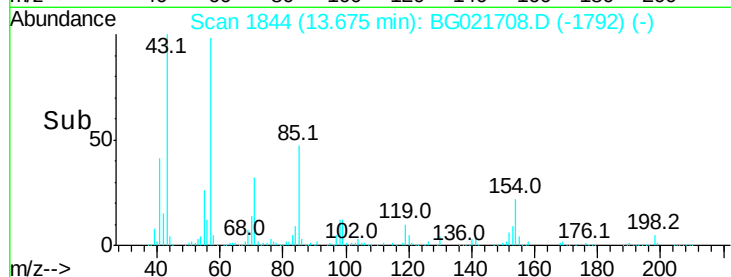
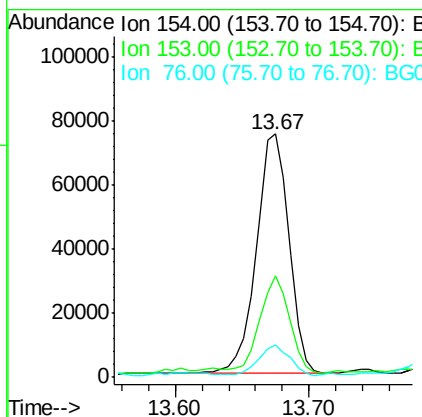
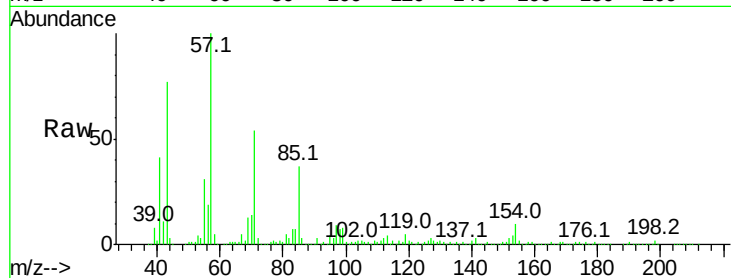
ClientSampled :

SB-13-7.5-8

Tot Ion:	154	Resp:	125977
Ion Ratio	Lower	Upper	
154	100		
153	41.8	19.7	59.7
76	13.4	0.0	33.0

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#49

Dimethylphthalate

Concen: 7.66 ng

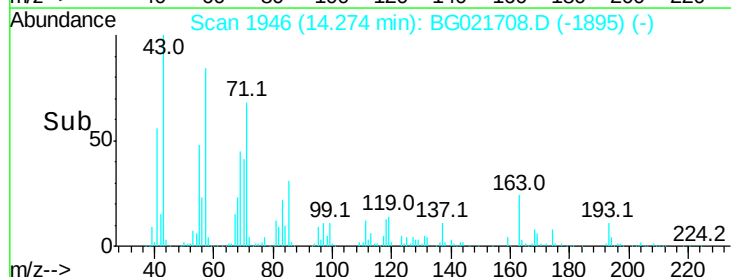
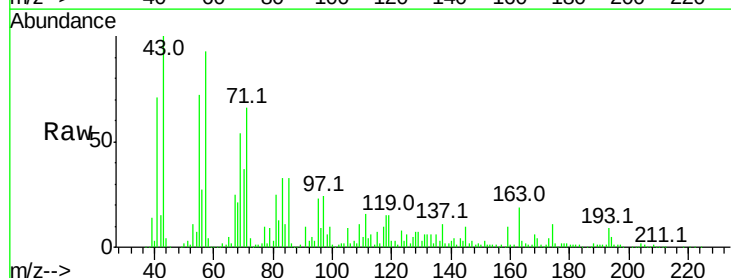
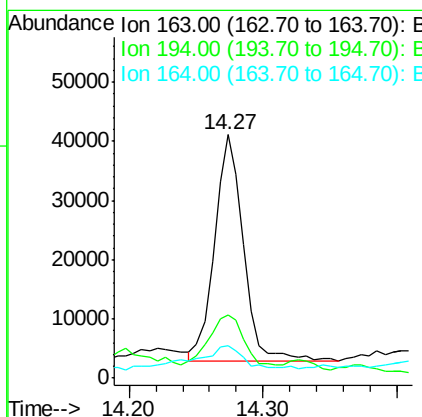
RT: 14.27 min Scan# 1946

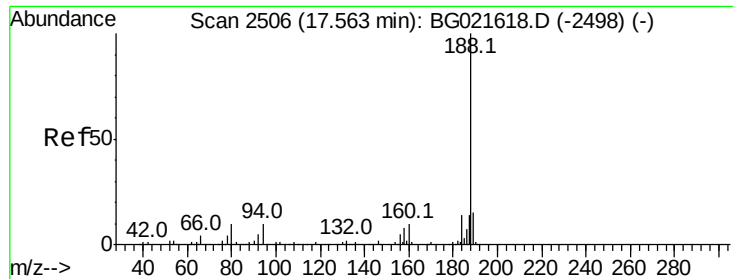
Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:	163	Resp:	58383
Ion Ratio	Lower	Upper	
163	100		
194	26.1	3.0	4.6#
164	13.2	8.1	12.1#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.58 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

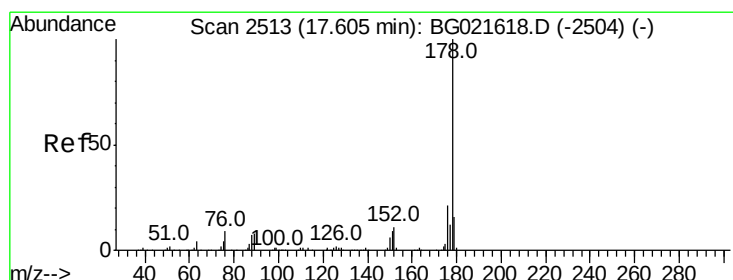
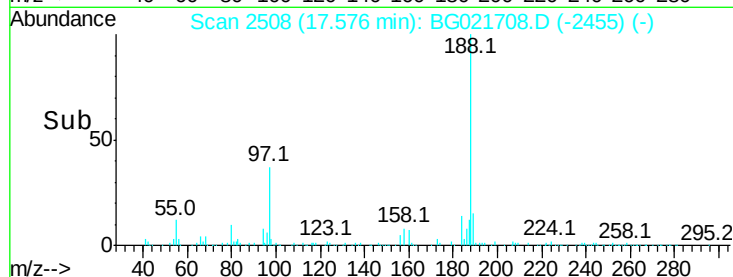
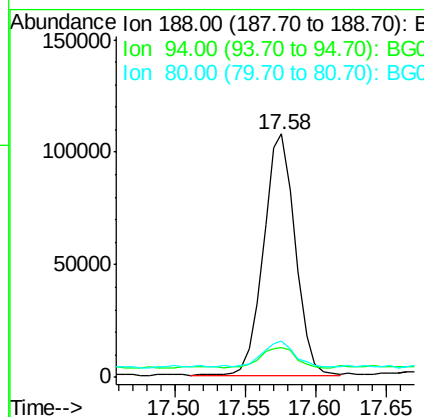
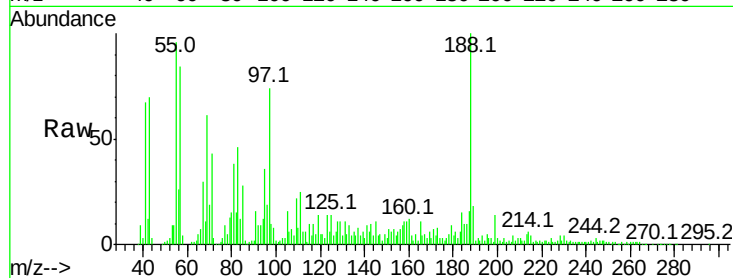
ClientSampled :

SB-13-7.5-8

Tot Ion:	188	Resp:	168386
Ion Ratio	Lower	Upper	
188	100		
94	12.0	7.5	11.3#
80	14.7	8.6	13.0#

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#70

Phenanthrene

Concen: 10.02 ng

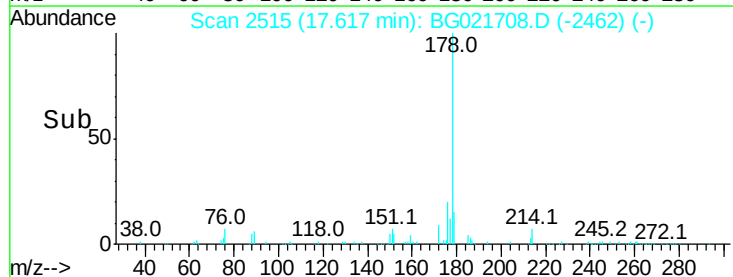
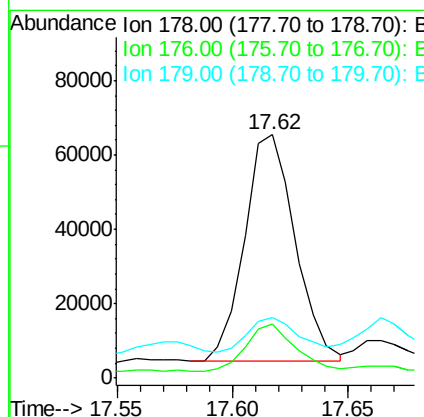
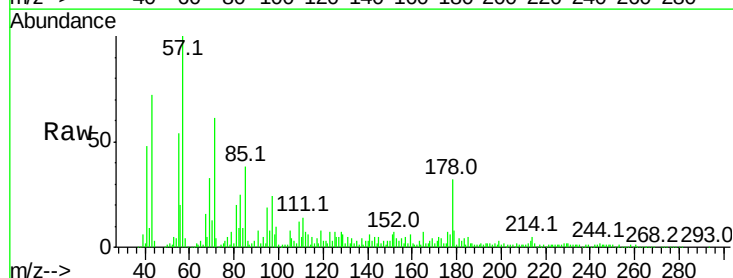
RT: 17.62 min Scan# 2515

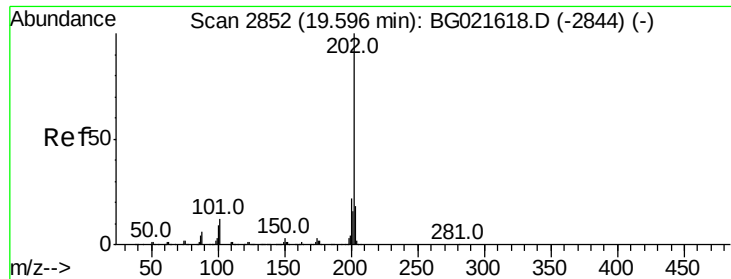
Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:	178	Resp:	93016
Ion Ratio	Lower	Upper	
178	100		
176	22.1	16.2	24.4
179	24.8	12.0	18.0#





#74

Fluoranthene

Concen: 9.04 ng

RT: 19.61 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

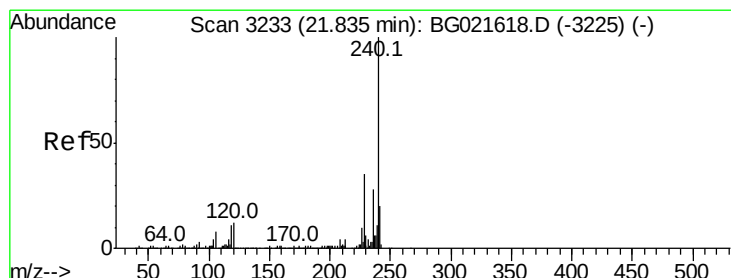
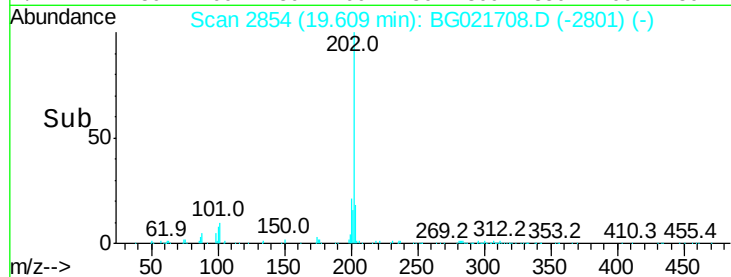
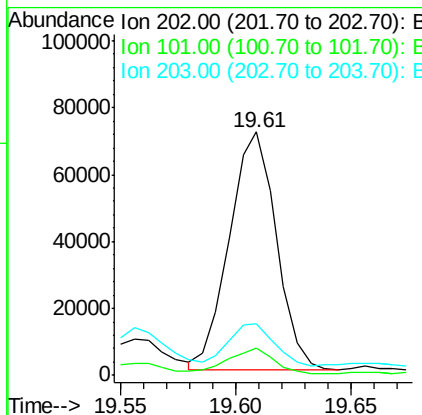
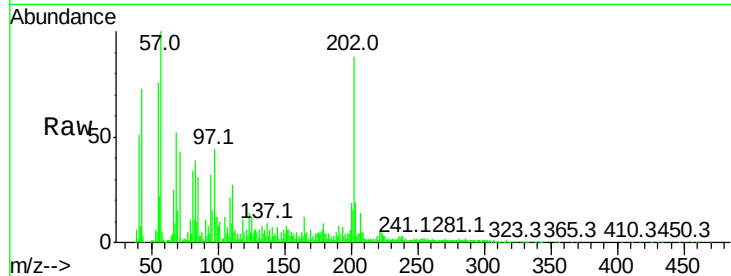
ClientSampleId :

SB-13-7.5-8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	31.0
203	21.3	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

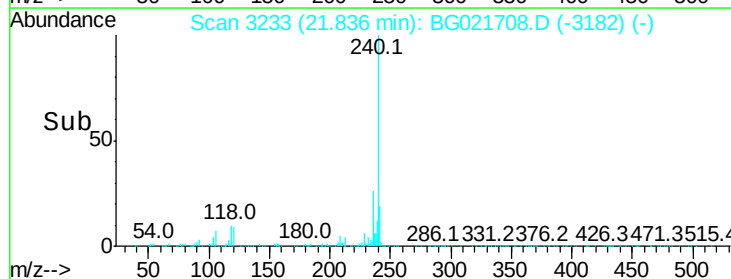
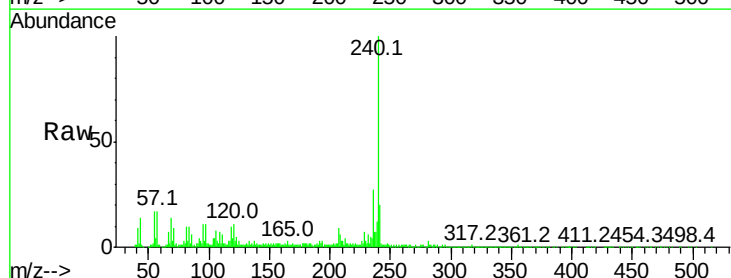
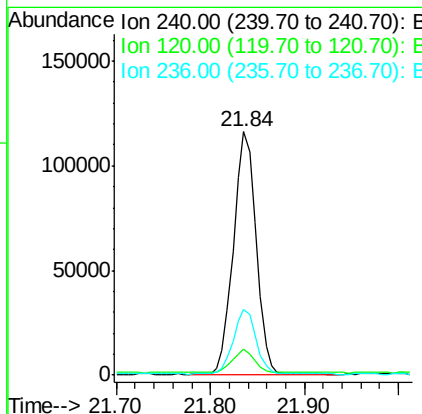
RT: 21.84 min Scan# 3233

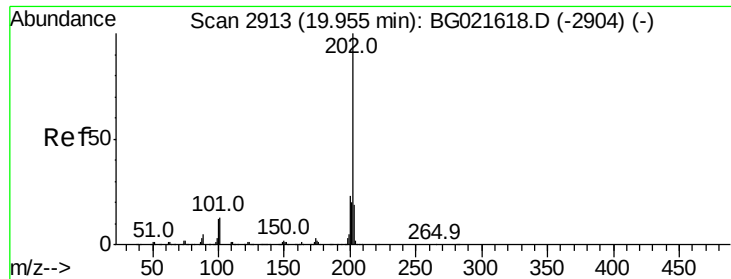
Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.7	8.4	12.6
236	26.8	19.6	29.4





#77

Pvrene

Concen: 13.43 ng

RT: 19.97 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

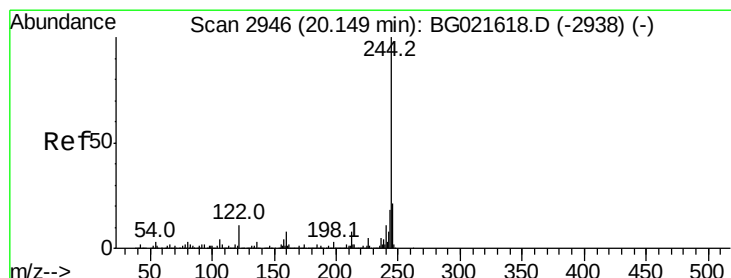
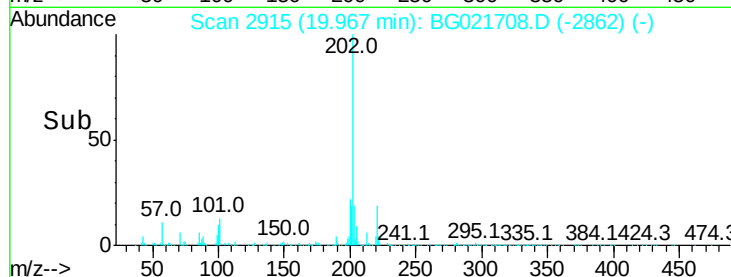
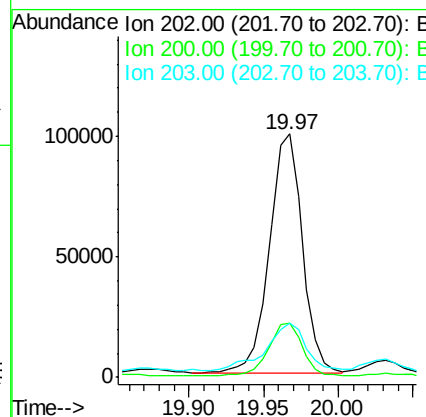
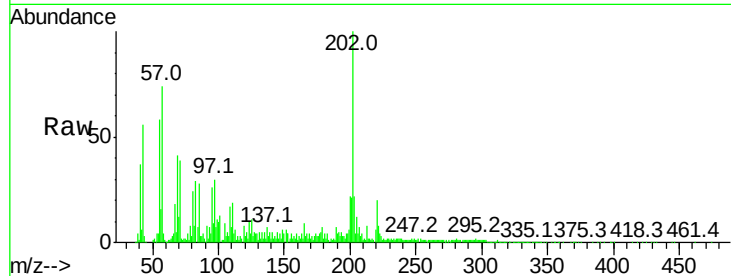
ClientSampleId :

SB-13-7.5-8

Tot Ion:	202	Resp:	151029
Ion Ratio	Lower	Upper	
202	100		
200	22.3	18.2	27.2
203	22.5	15.0	22.4#

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#78

Terphenyl-d14

Concen: 102.72 ng

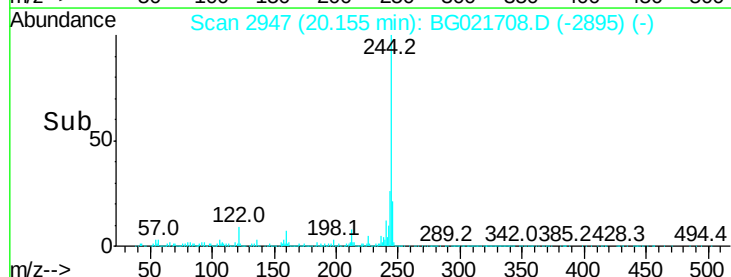
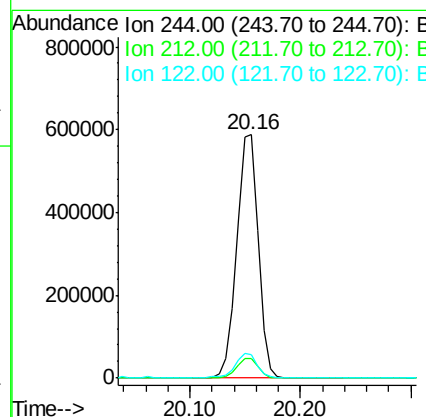
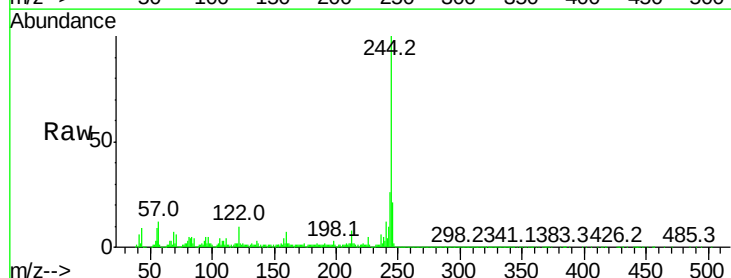
RT: 20.16 min Scan# 2947

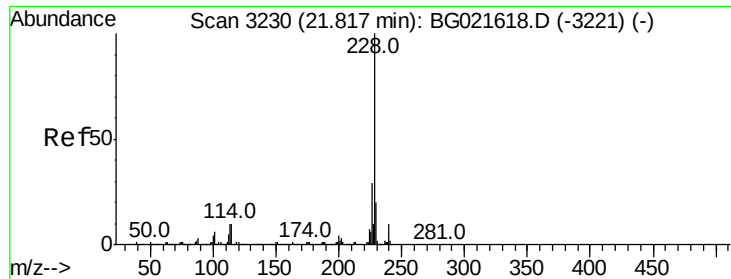
Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:	244	Resp:	802840
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.5	9.7
122	9.5	8.6	12.8





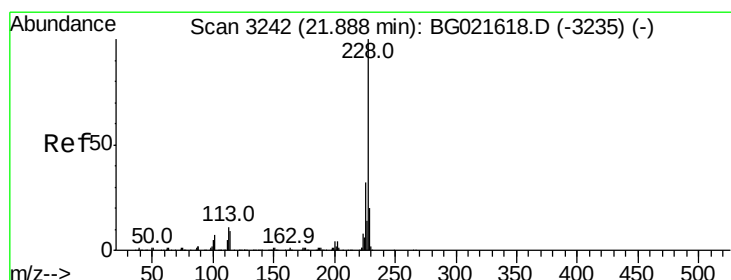
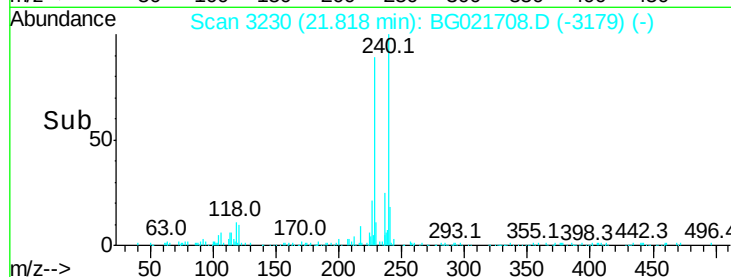
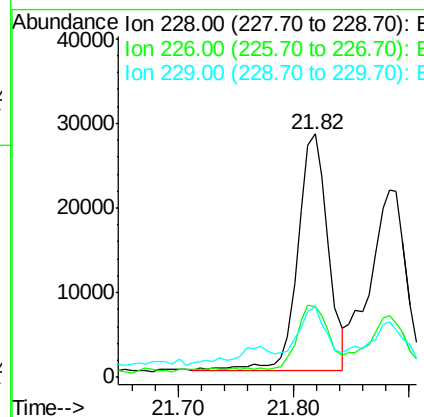
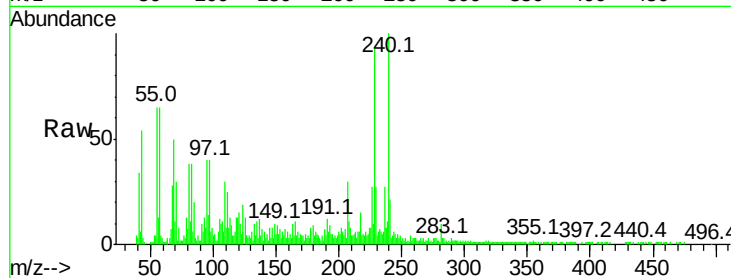
#80
Benzo(a)anthracene
Concen: 4.52 ng
RT: 21.82 min Scan# 3230
Delta R.T. 0.00 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	29.3	16.1	24.1

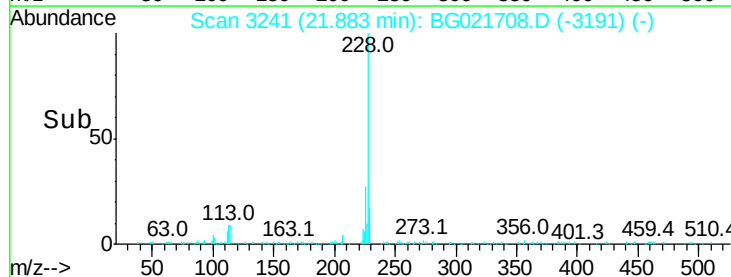
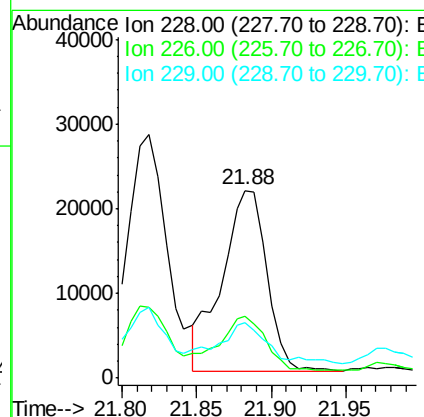
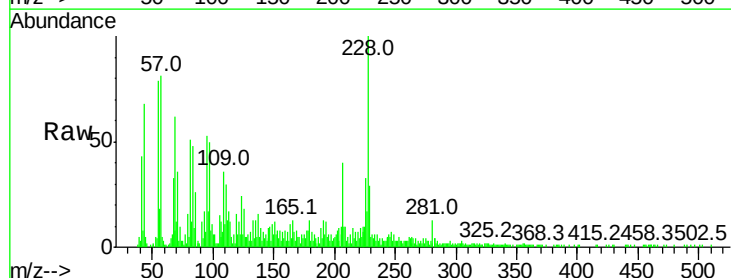
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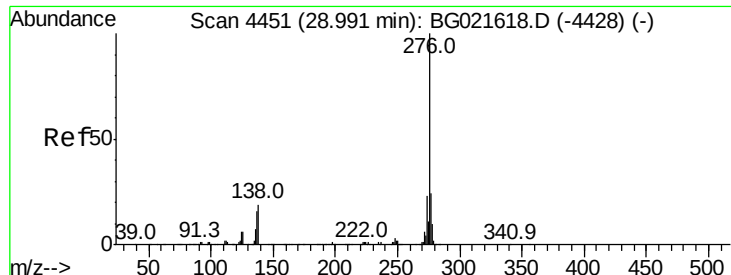
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#82
Chrysene
Concen: 4.16 ng
RT: 21.88 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.4	38.0
229	29.3	15.9	23.9





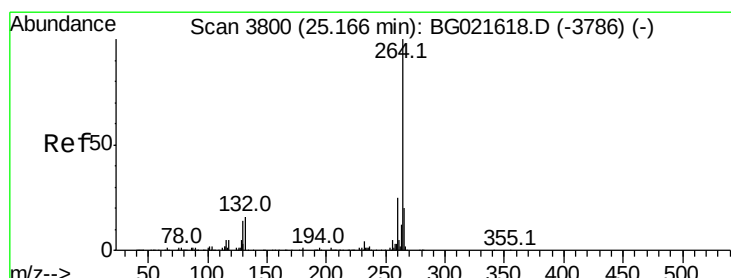
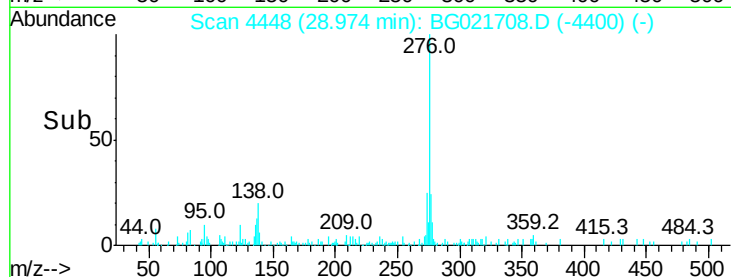
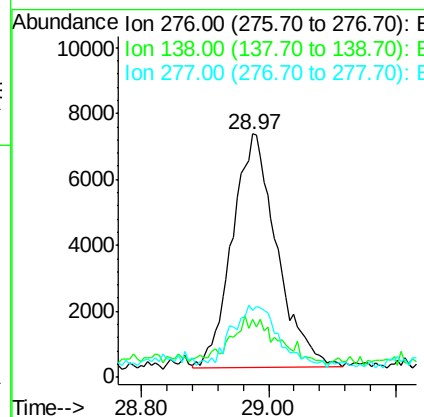
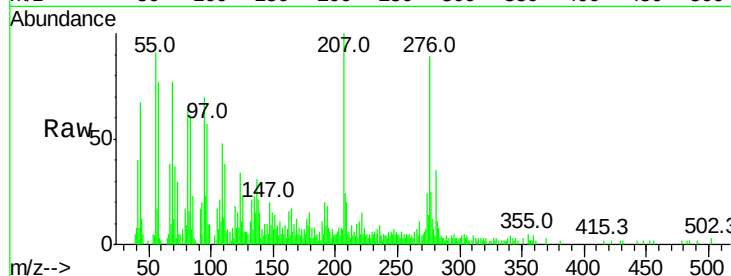
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.69 ng
RT: 28.97 min Scan# 4448
Delta R.T. -0.02 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.8	14.0	21.0#
277	28.4	20.6	30.8

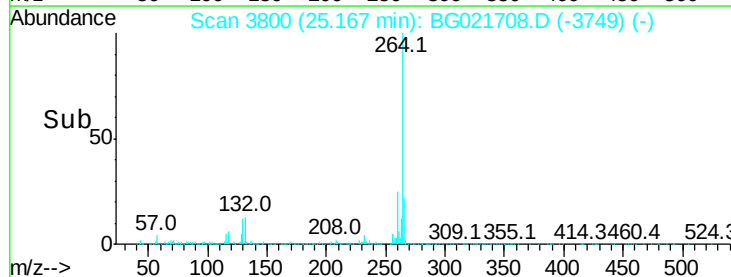
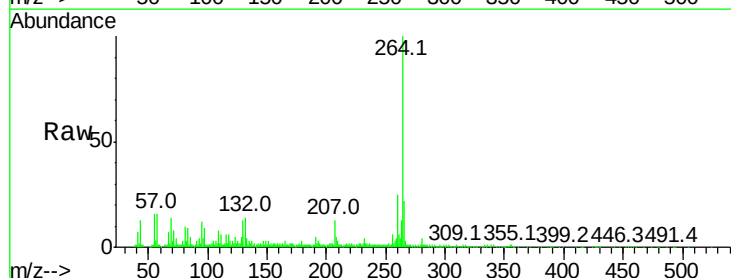
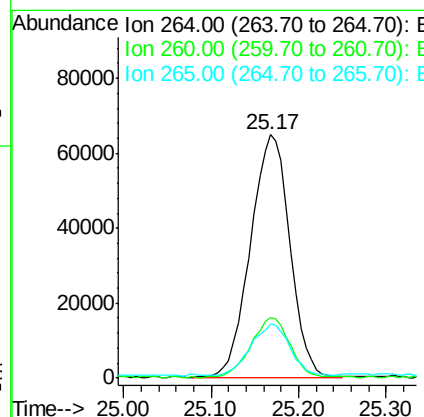
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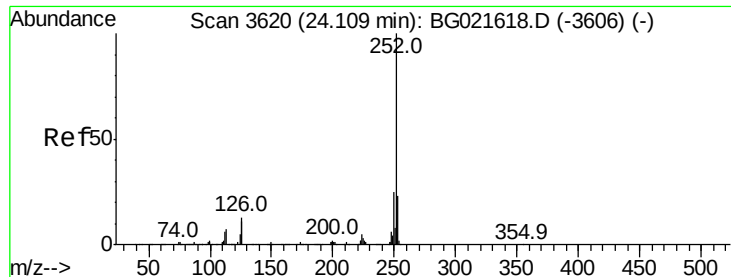
Sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3800
Delta R.T. 0.00 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	22.4	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 5.59 ng

RT: 24.10 min Scan# 3619

Delta R.T. -0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

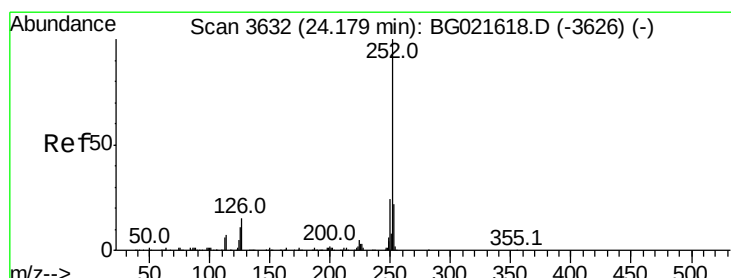
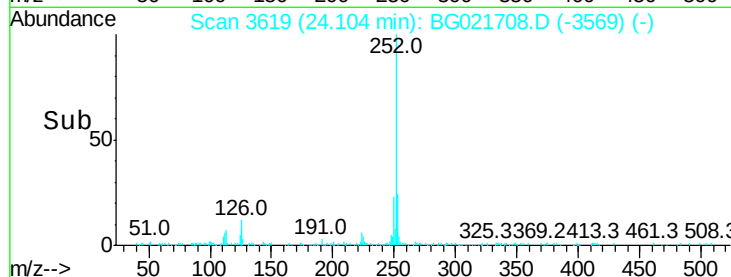
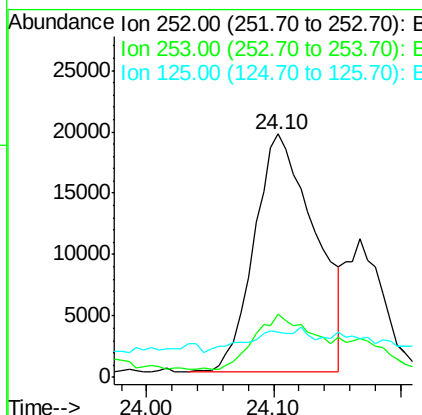
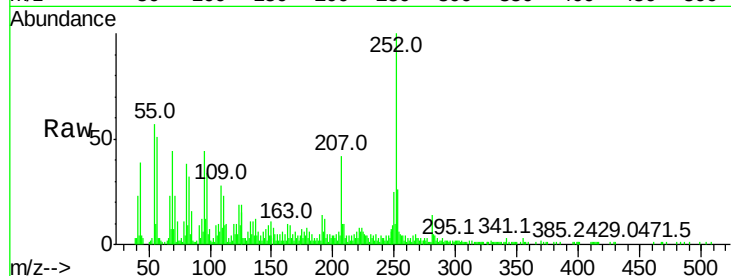
ClientSampled :

SB-13-7.5-8

Tot Ion:	252	Resp:	64311
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.5	26.3
125	18.8	8.6	13.0#

Manual Integrations
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4/18/2016 7:22:06 PM



#88

Benzo(k)fluoranthene

Concen: 2.03 ng m

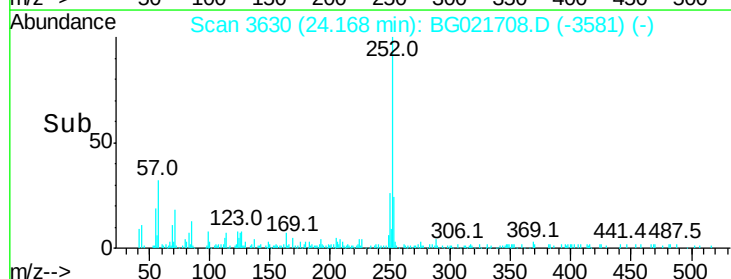
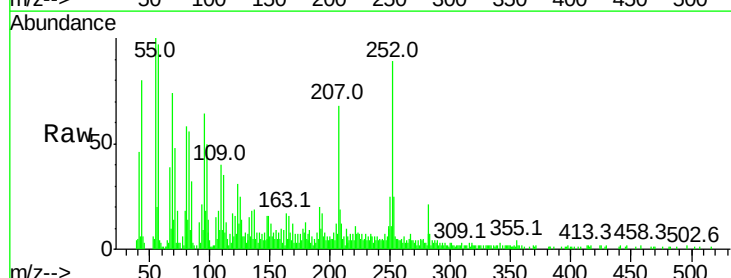
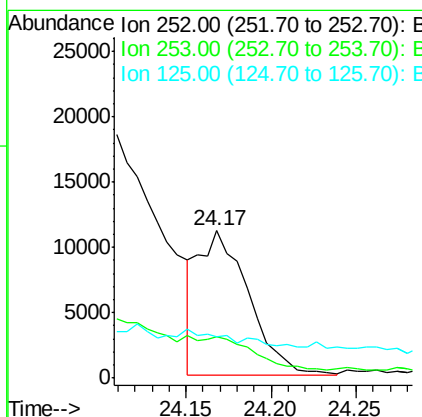
RT: 24.17 min Scan# 3630

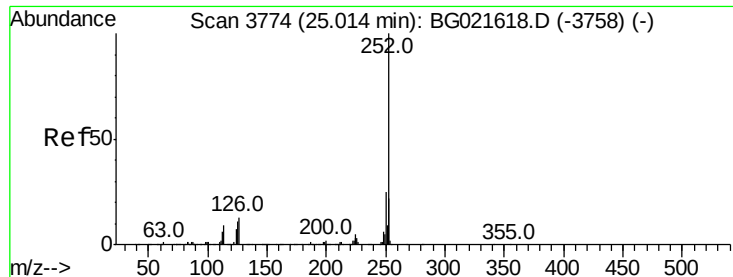
Delta R.T. -0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:	252	Resp:	22840
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.8	26.8#
125	28.1	8.3	12.5#





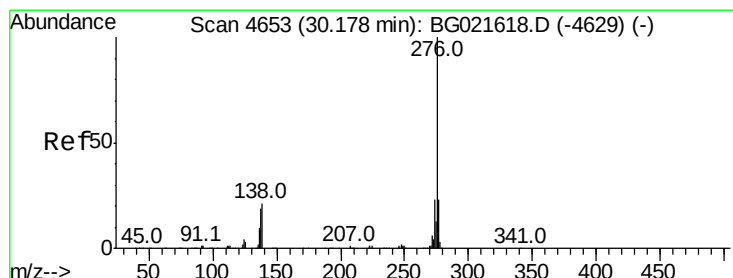
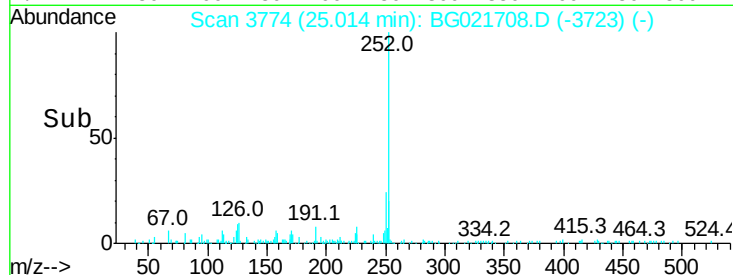
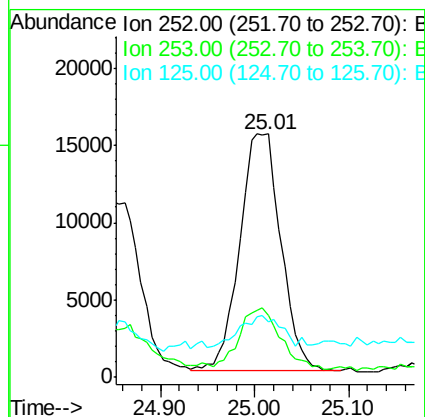
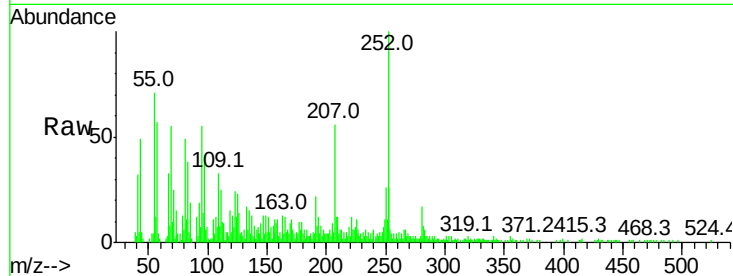
#89
Benzo(a)pyrene
Concen: 4.18 ng
RT: 25.01 min Scan# 3774
Delta R.T. 0.00 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

Tot Ion:	252	Resp:	46579
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.1	25.7
125	22.9	9.6	14.4#

Manual Integrations
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4/18/2016 7:22:06 PM



#91
Benzo(g,h,i)perylene
Concen: 2.92 ng
RT: 30.17 min Scan# 4652
Delta R.T. -0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion:	276	Resp:	32020
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.4	29.2
138	24.5	17.4	26.0

