

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016540.D
 Acq On : 19 Apr 2015 2:37
 Operator : TP/IZ
 Sample : G1854-07
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SB10B

Manual Integrations
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Quant Time: Apr 20 04:53:48 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 03:57:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	78524	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	345832	20.00	ng	0.00
38) Acenaphthene-d10	14.30	164	196927	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	386342	20.00	ng	0.00
75) Chrysene-d12	21.23	240	321300	20.00	ng	0.00
86) Perylene-d12	23.45	264	310912	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	688323	138.34	ng	0.00
7) Phenol-d6	6.85	99	955373	127.91	ng	0.00
23) Nitrobenzene-d5	8.82	82	493617	82.68	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	162551	122.05	ng	0.00
44) 2-Fluorobiphenyl	12.92	172	870837	75.29	ng	0.00
78) Terphenyl-d14	19.68	244	873543	63.63	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.44	107	35232	4.75	ng	91
31) Naphthalene	10.49	128	58017	3.22	ng	99
49) Dimethylphthalate	13.76	163	122273	8.47	ng	99
51) Acenaphthene	14.36	154	25240	2.06	ng	99
57) Fluorene	15.35	166	32034	2.14	ng	94
70) Phenanthrene	17.08	178	400774	18.44	ng	98
71) Anthracene	17.17	178	111154	5.16	ng	99
74) Fluoranthene	19.11	202	629063	28.09	ng	97
77) Pyrene	19.47	202	606497	27.11	ng	99
80) Benzo(a)anthracene	21.21	228	341870	18.00	ng	98
82) Chrysene	21.26	228	307347	16.77	ng	98
85) Indeno(1,2,3-cd)pyrene	25.72	276	215483	11.31	ng	90
87) Benzo(b)fluoranthene	22.78	252	369925m	20.31	ng	
88) Benzo(k)fluoranthene	22.82	252	162952m	9.14	ng	
89) Benzo(a)pyrene	23.35	252	341036	19.98	ng	98
90) Dibenzo(a,h)anthracene	25.72	278	56079	3.38	ng	# 61
91) Benzo(g,h,i)perylene	26.41	276	216264	13.04	ng	98

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

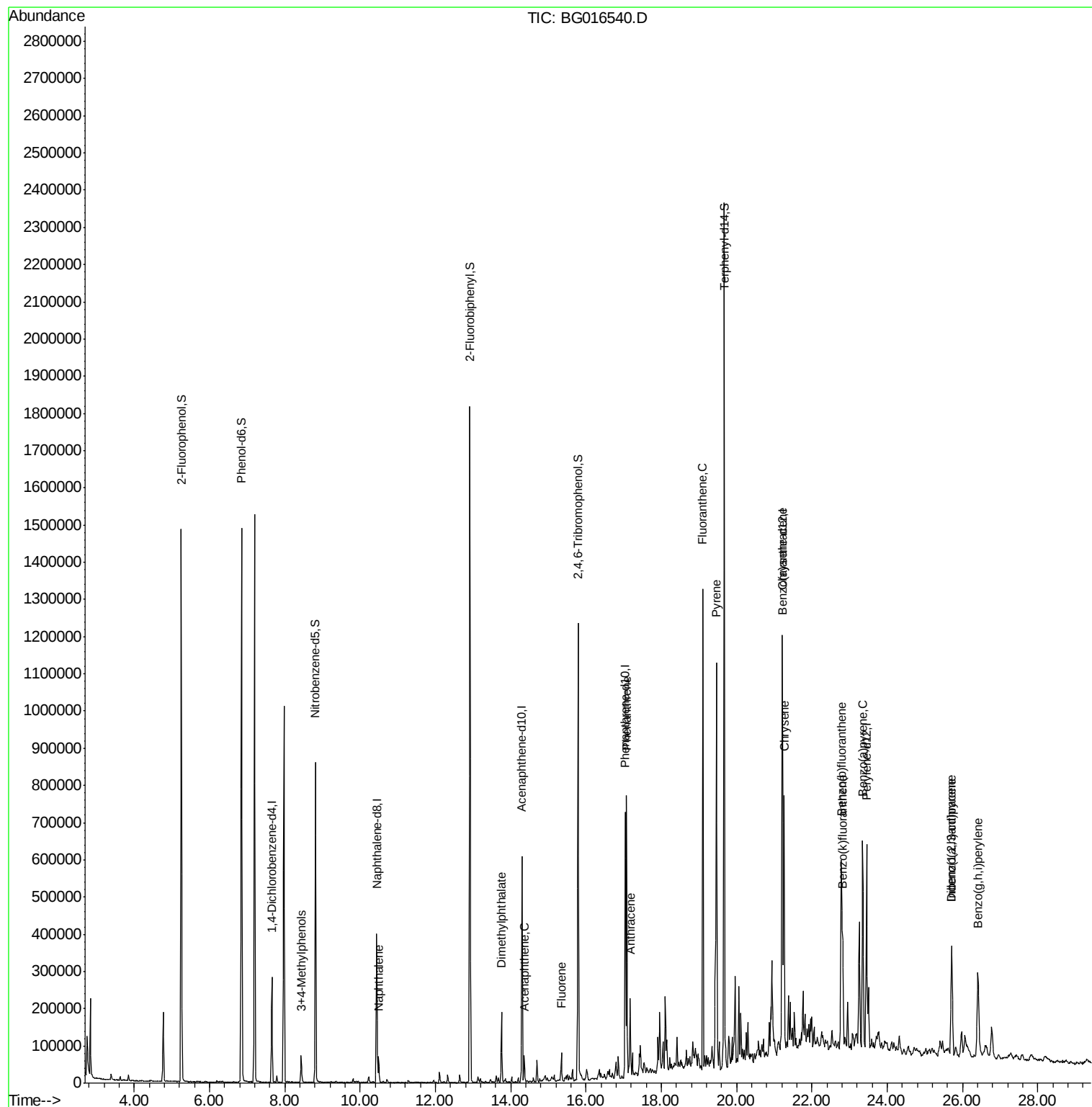
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016540.D
Acq On : 19 Apr 2015 2:37
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ALS Vial : 49 Sample Multiplier: 1

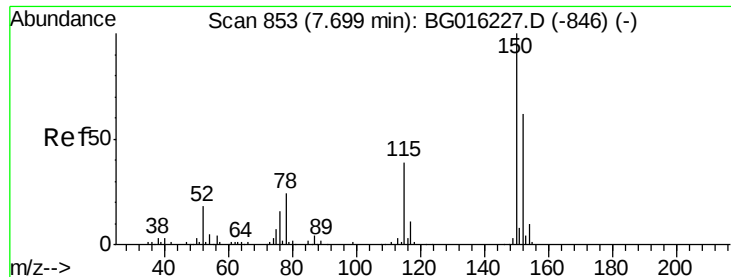
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ClientSampleId :
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Quant Time: Apr 20 04:53:48 2015
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QLast Update : Mon Apr 20 03:57:28 2015
Response via : Initial Calibration

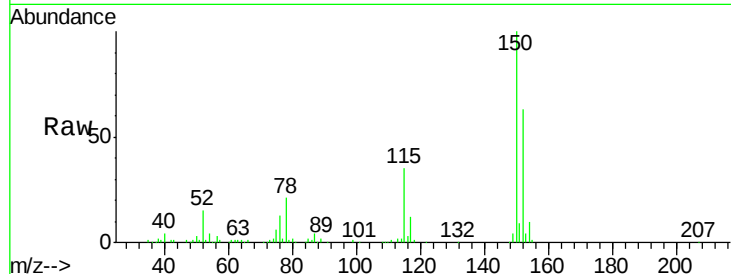




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.66 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

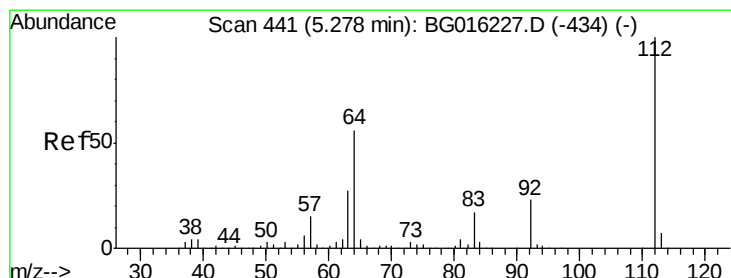
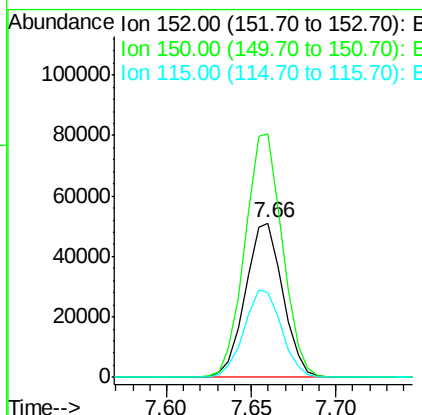
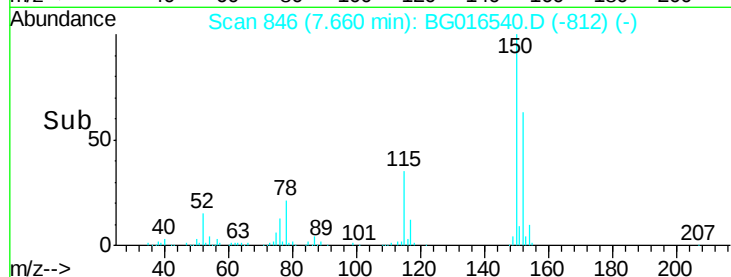
Instrument :
BNA_G
ClientSampled :
LS-SB10B



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	130.1	195.1
115	55.1	50.5	75.7

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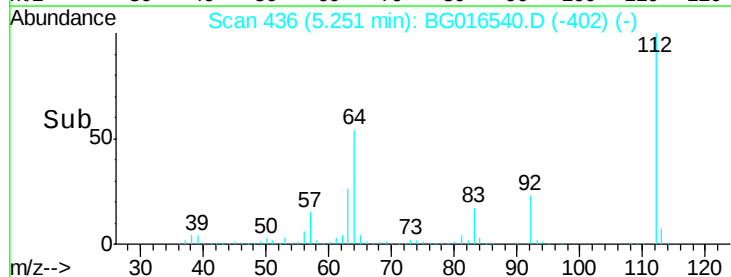
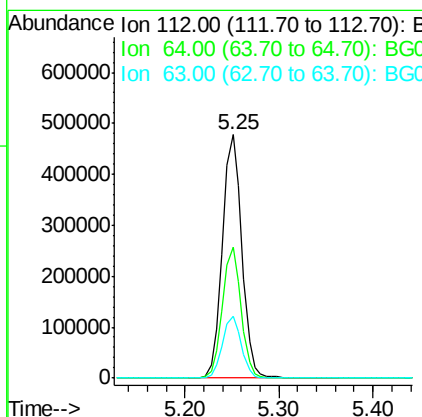
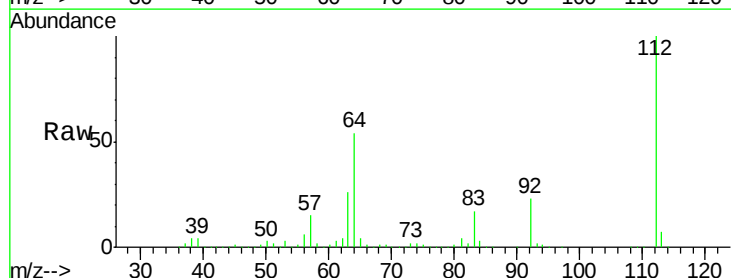
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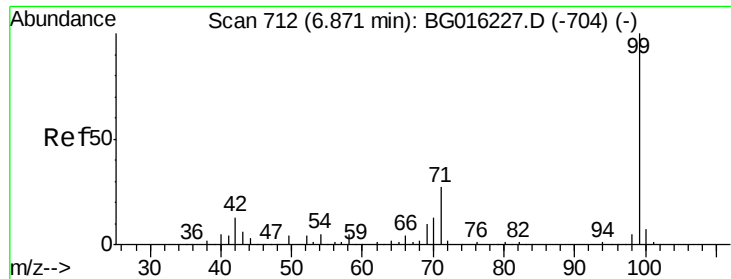


#5

2-Fluorophenol
Concen: 138.34 ng
RT: 5.25 min Scan# 436
Delta R.T. 0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.5	66.7
63	25.5	21.4	32.0





#7

Phenol-d6

Concen: 127.91 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Instrument :

BNA_G

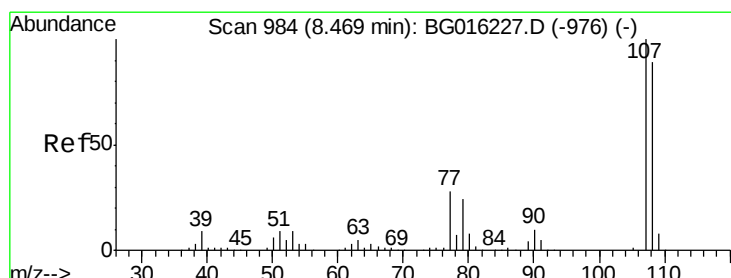
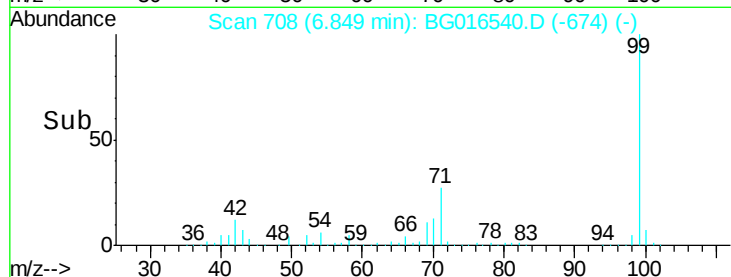
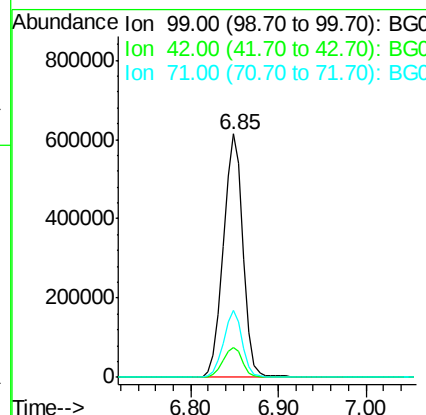
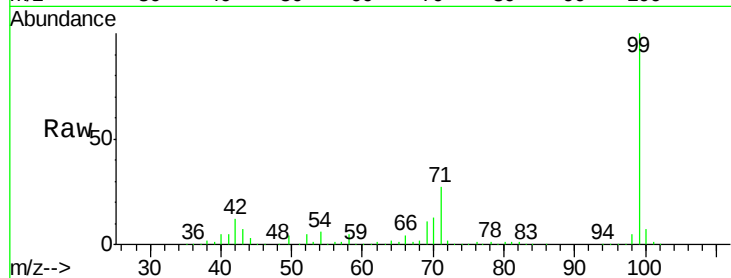
ClientSampleId :

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		955373		
42	12.5	10.0	15.0		
71	27.4	21.5	32.3		

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#20

3+4-Methylphenols

Concen: 4.75 ng

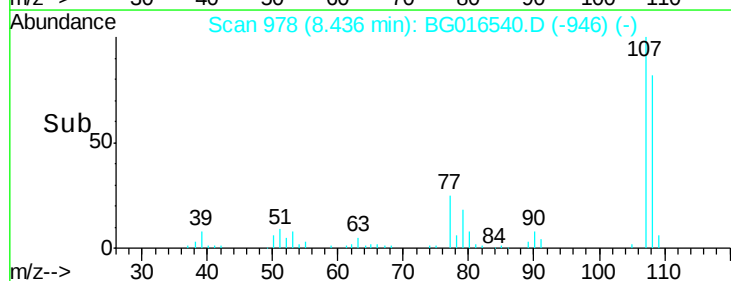
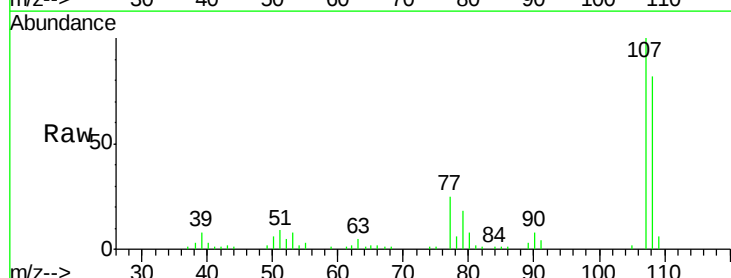
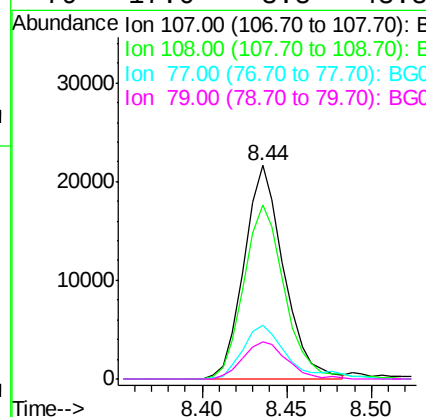
RT: 8.44 min Scan# 978

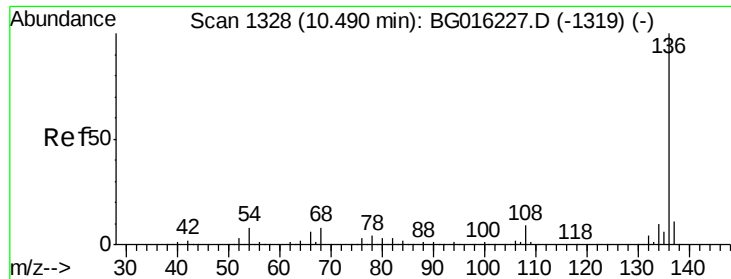
Delta R.T. -0.01 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		35232		
108	81.6	69.5	109.5		
77	25.3	8.2	48.2		
79	17.6	3.8	43.8		





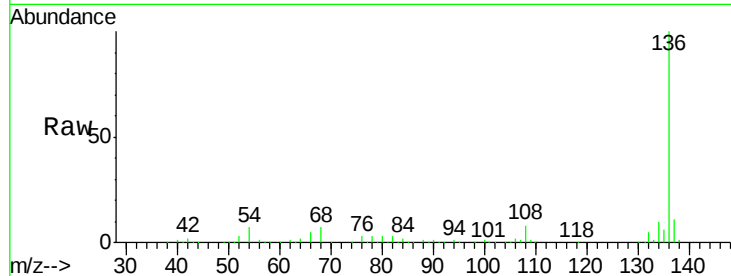
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.45 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
LS-SB10B

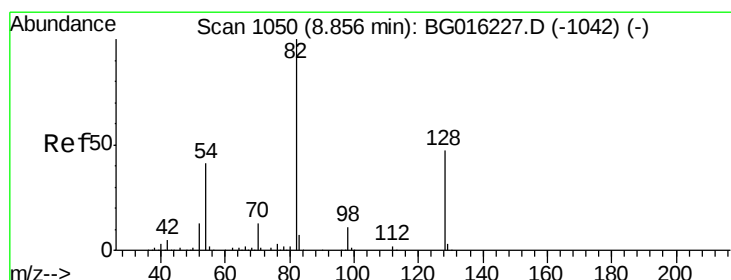
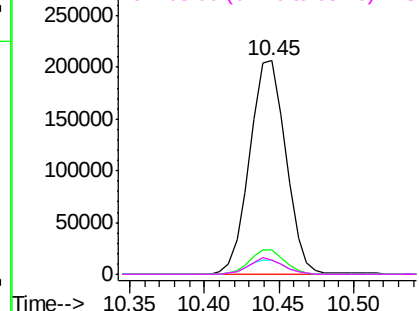
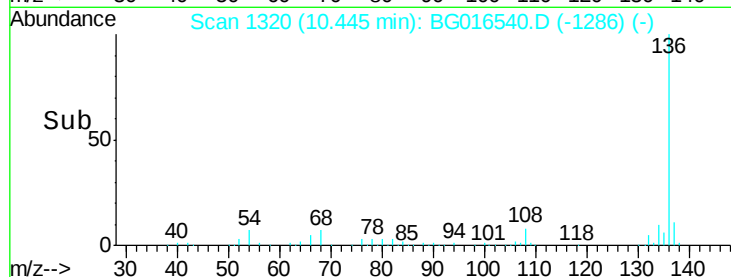
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		345832		
137	11.1	8.7	13.1		
54	6.6	6.3	9.5		
68	6.7	6.5	9.7		

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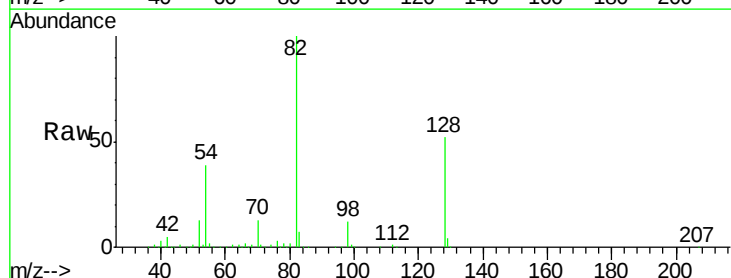


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

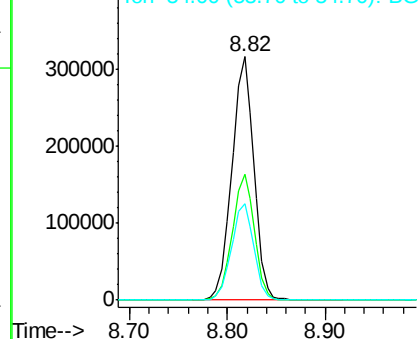
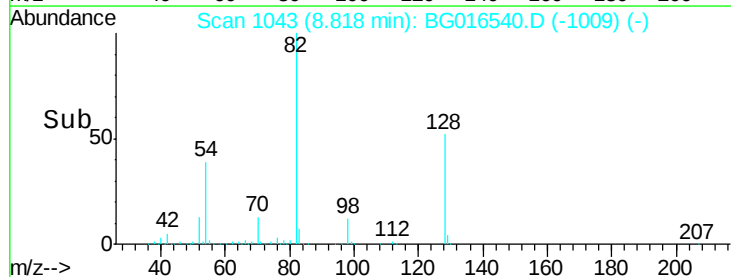


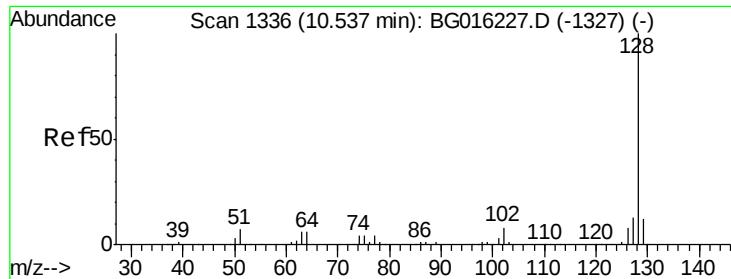
#23
Nitrobenzene-d5
Concen: 82.68 ng
RT: 8.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		493617		
128	51.9	37.8	56.8		
54	39.5	32.6	49.0		



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





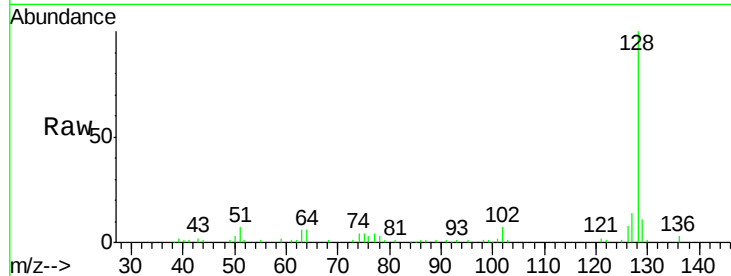
#31
Naphthalene
Concen: 3.22 ng
RT: 10.49 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
LS-SB10B

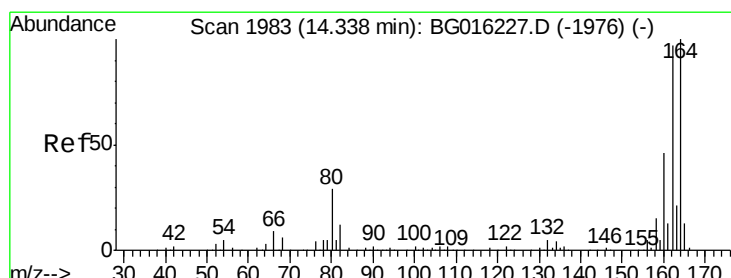
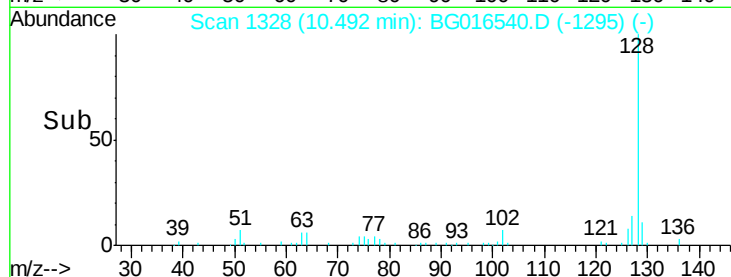
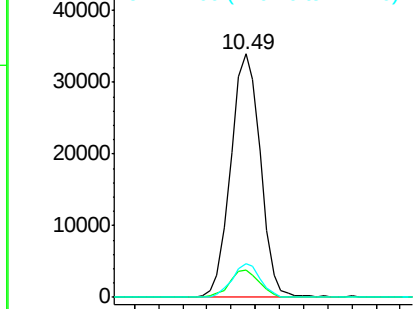
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.8	10.6	16.0

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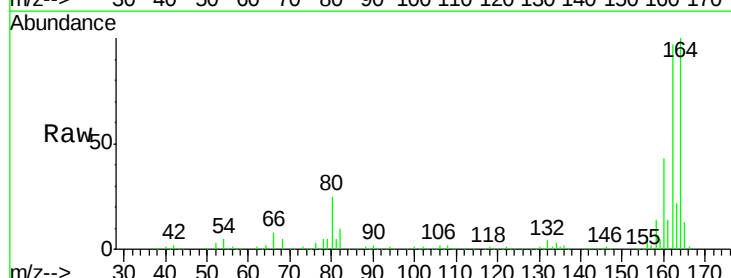


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

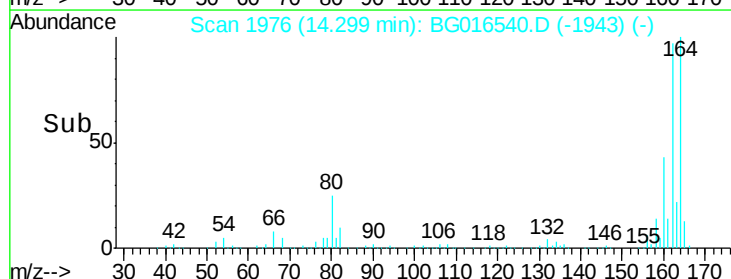
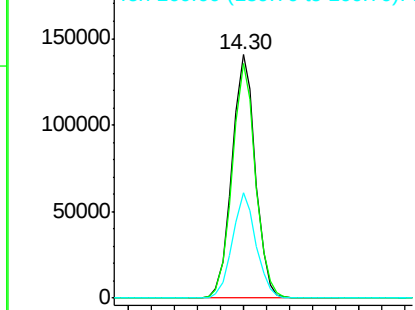


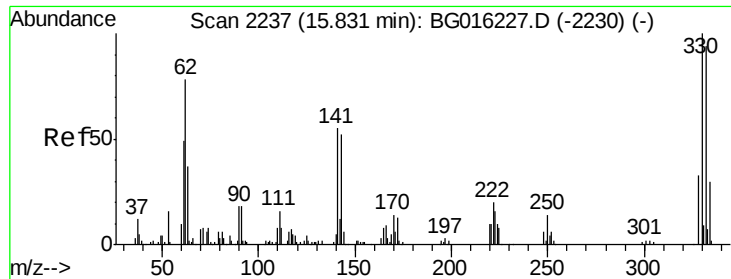
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.30 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	77.3	115.9
160	43.4	36.7	55.1



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





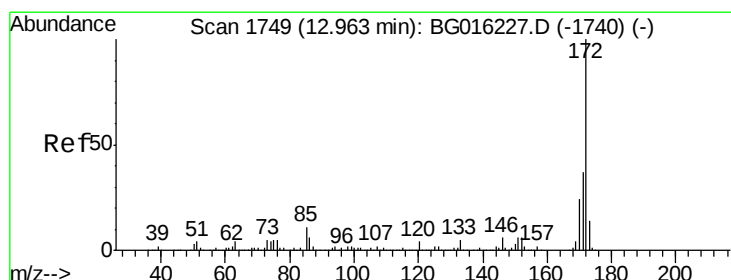
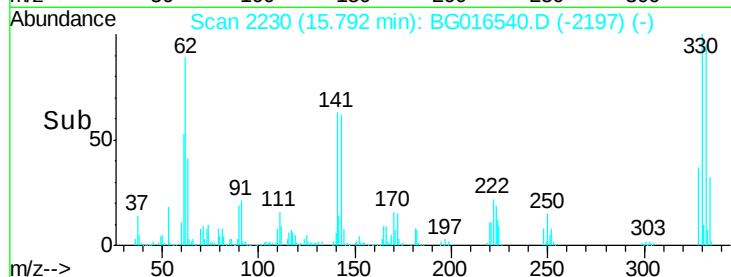
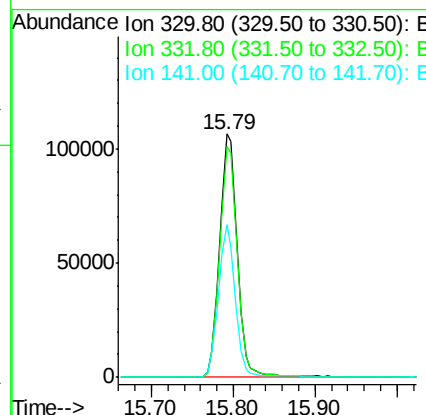
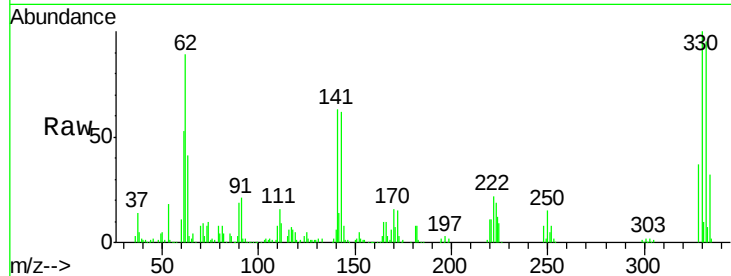
#41
 2,4,6-Tribromophenol
 Concen: 122.05 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG016540.D
 Acq: 19 Apr 2015 2:37

Instrument :
 BNA_G
 ClientSampled :
 LS-SB10B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	162551		
332	95.2	75.8	113.6	
141	58.9	46.6	69.8	

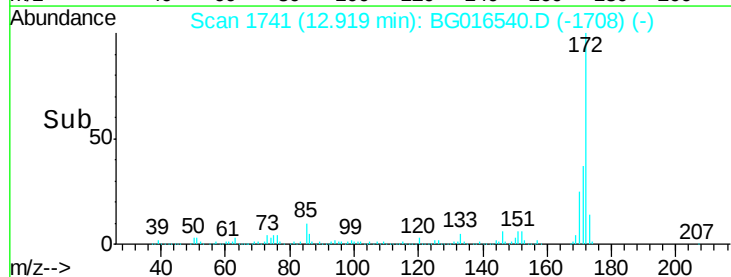
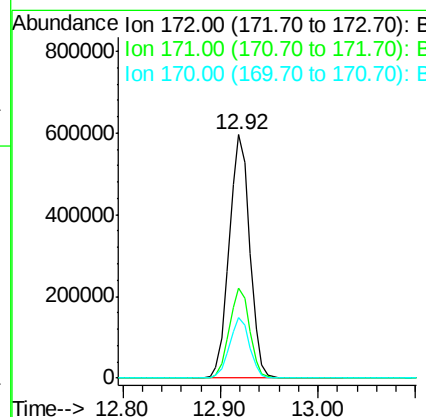
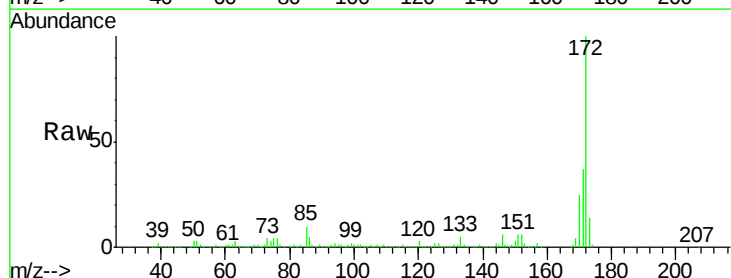
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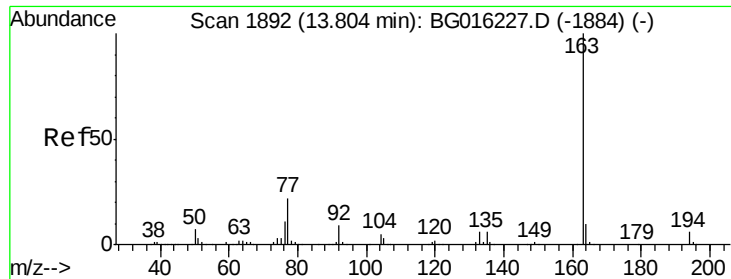
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#44
 2-Fluorobiphenyl
 Concen: 75.29 ng
 RT: 12.92 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG016540.D
 Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	870837		
171	36.8	29.6	44.4	
170	24.8	19.4	29.2	





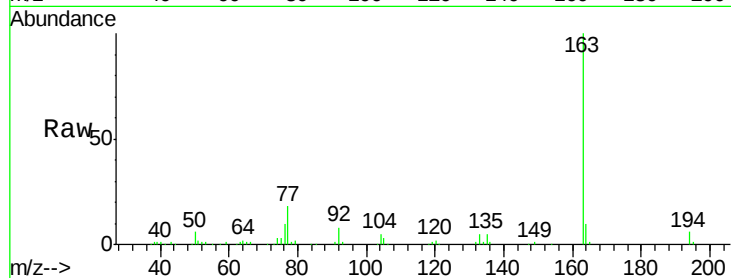
#49
Dimethylphthalate
Concen: 8.47 ng
RT: 13.76 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
LS-SB10B

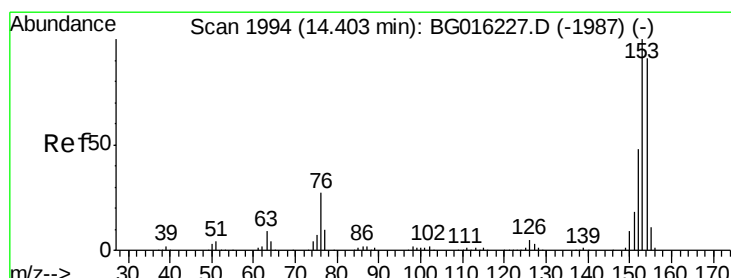
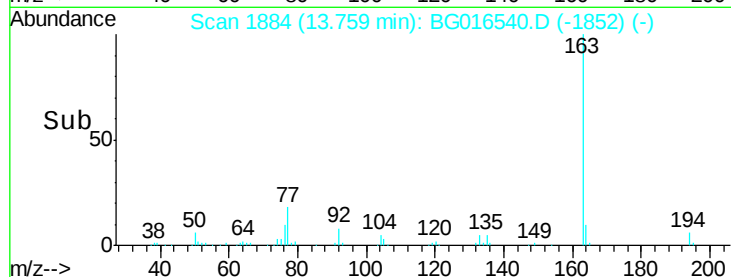
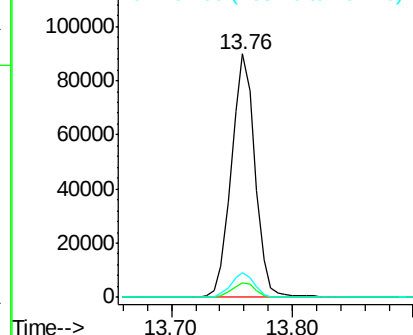
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	5.9	5.0	7.4
164	10.0	8.2	12.4

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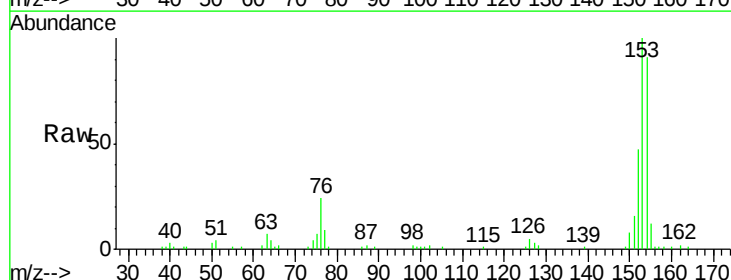


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

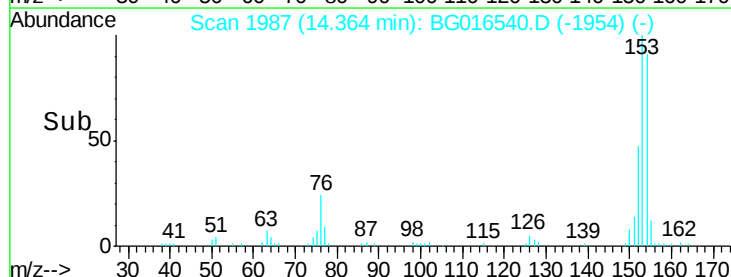
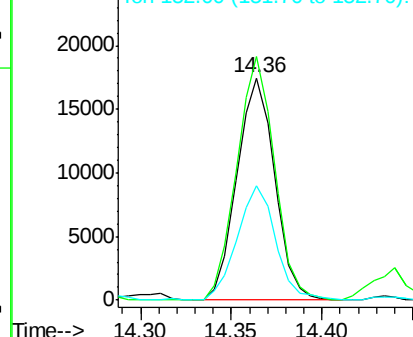


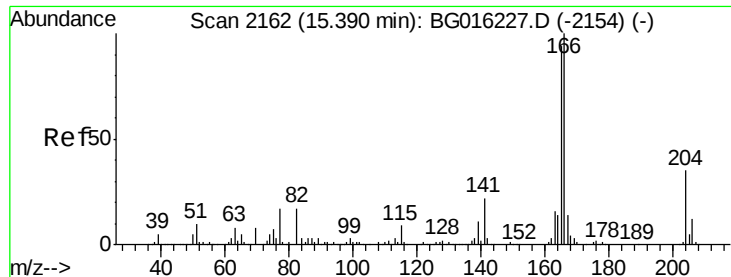
#51
Acenaphthene
Concen: 2.06 ng
RT: 14.36 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	109.7	87.5	131.3
152	51.4	42.1	63.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 2.14 ng

RT: 15.35 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Instrument :

BNA_G

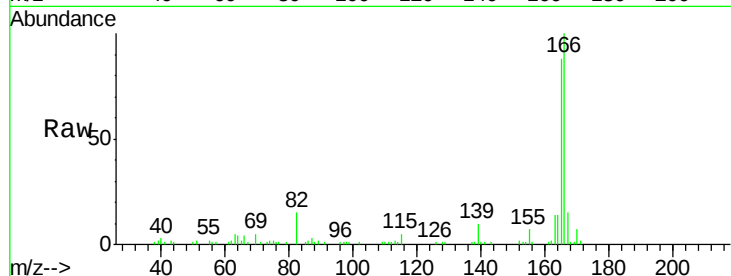
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.0	75.2	112.8
167	14.6	11.3	16.9

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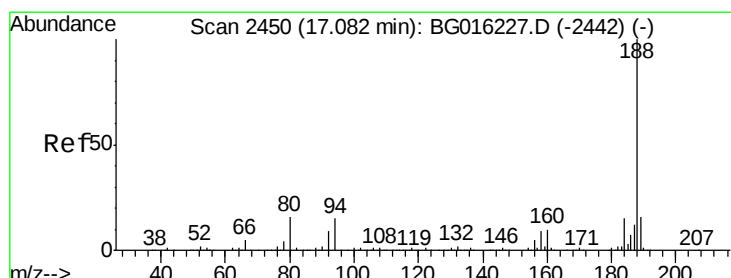
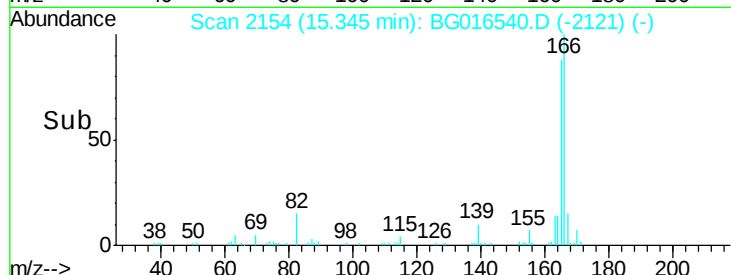
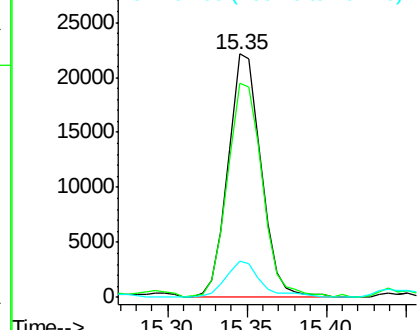


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

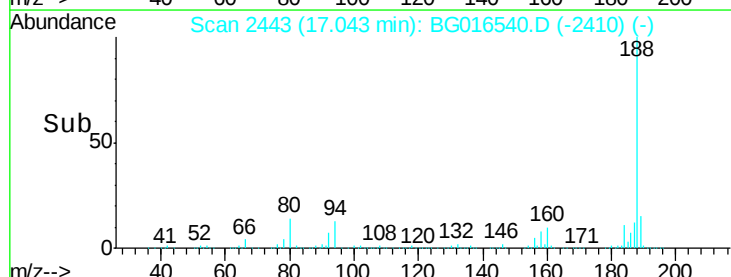
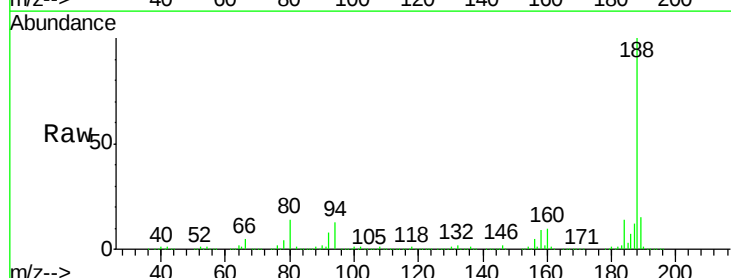
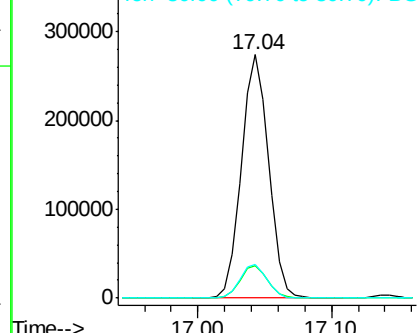
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.3	12.2	18.4
80	14.1	12.8	19.2

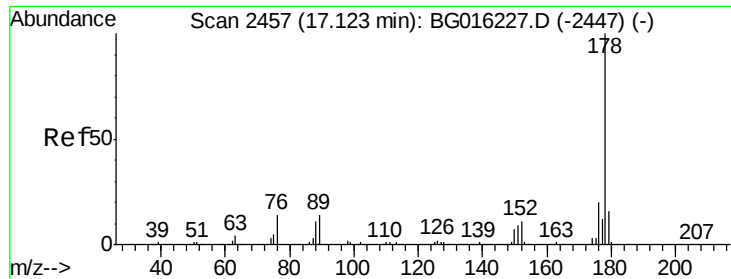
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 18.44 ng

RT: 17.08 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Instrument :

BNA_G

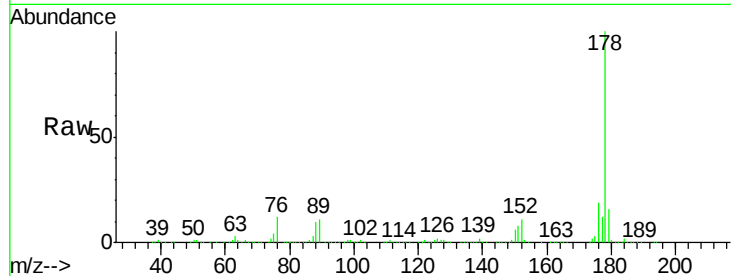
ClientSampleId :

LS-SB10B

Tgt Ion:	178	Resp:	400774
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	15.5	12.7	19.1

Manual Integrations
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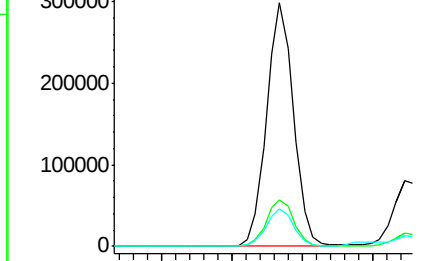
apatel
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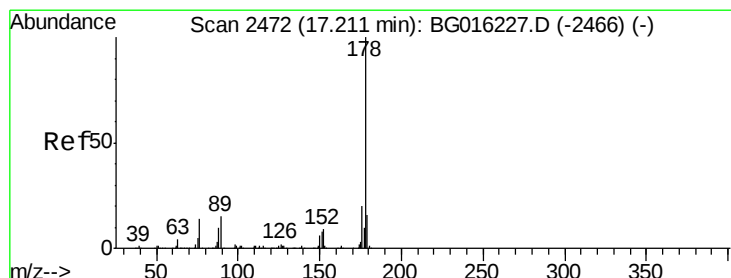
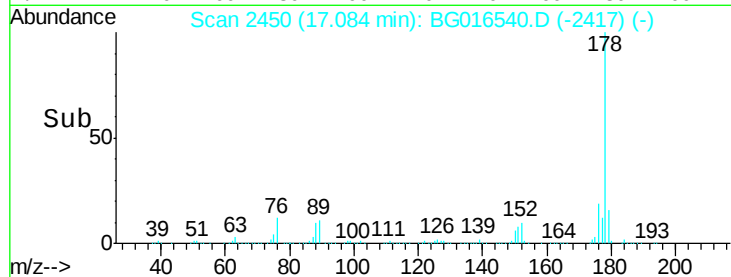
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 5.16 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BG016540.D

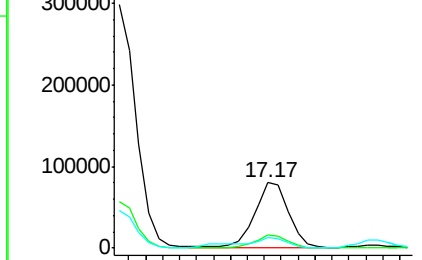
Acq: 19 Apr 2015 2:37

Tgt Ion:	178	Resp:	111154
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.9	23.9
179	16.1	13.0	19.6

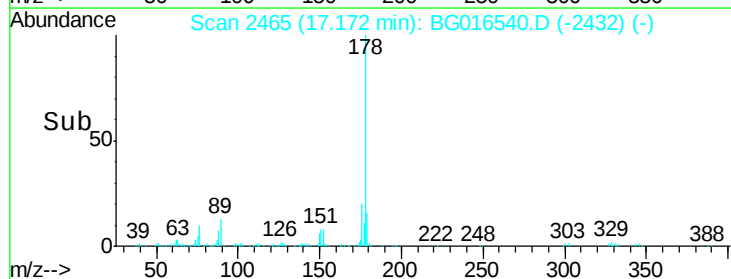
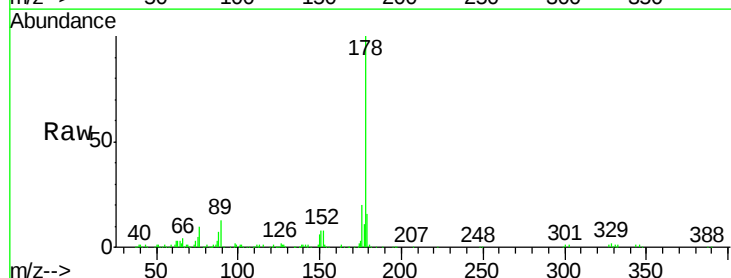
Abundance Ion 178.00 (177.70 to 178.70): E

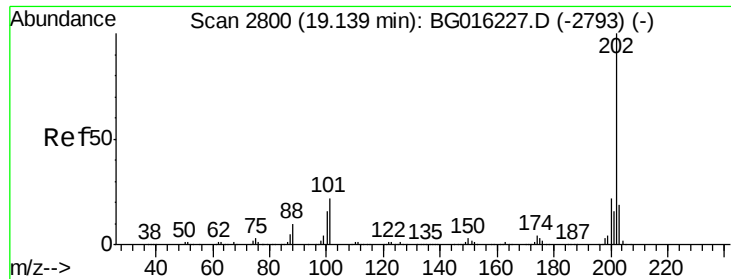
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 28.09 ng

RT: 19.11 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Instrument :

BNA_G

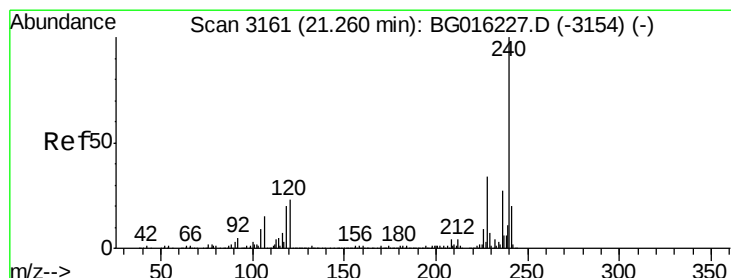
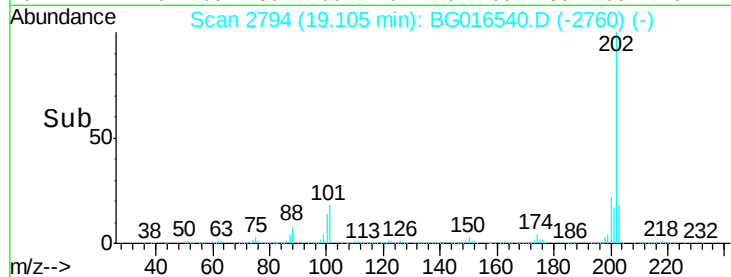
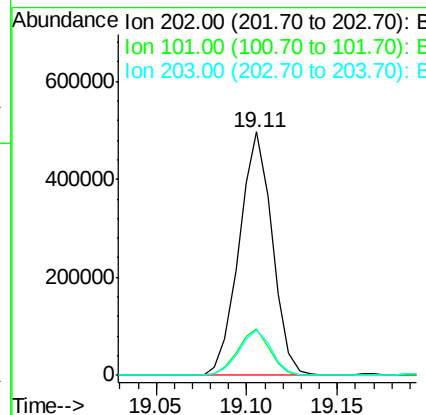
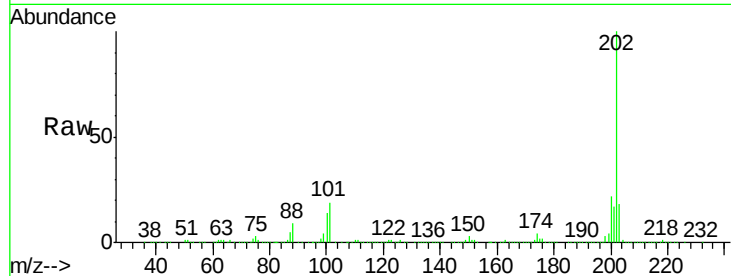
ClientSampleId :

LS-SB10B

Tgt	Ion	202	Resp:	629063
Ion	Ratio	100	Lower	Upper
202	100			
101	18.8	1.7	41.7	
203	18.4	0.0	38.7	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

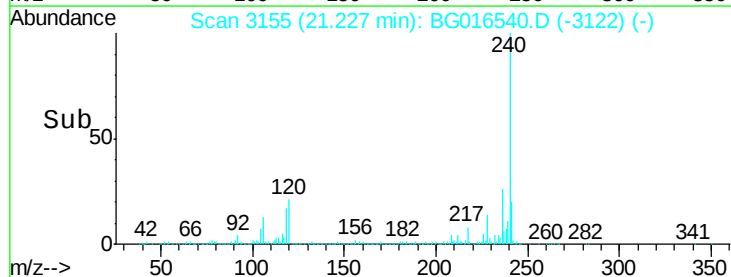
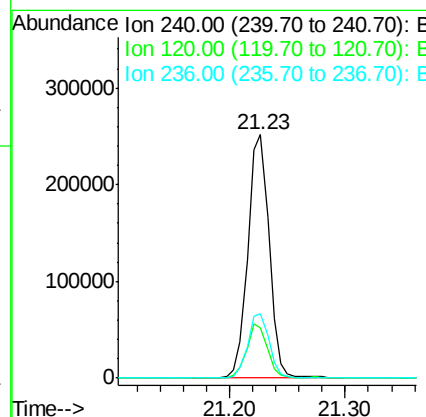
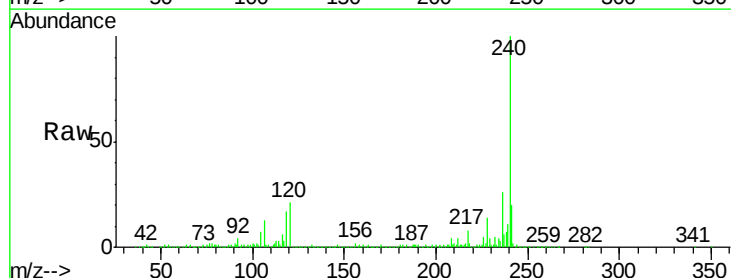
RT: 21.23 min Scan# 3155

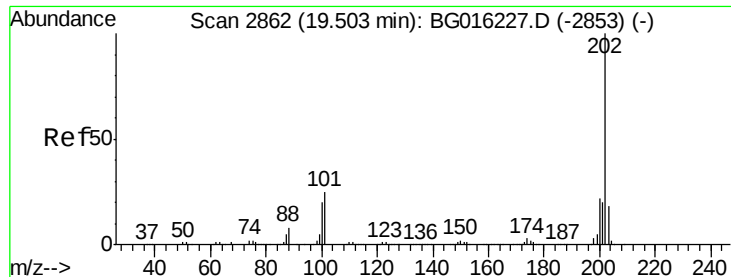
Delta R.T. -0.00 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Tgt	Ion	240	Resp:	321300
Ion	Ratio	100	Lower	Upper
240	100			
120	20.8	18.6	28.0	
236	26.5	21.7	32.5	





#77

Pyrene

Concen: 27.11 ng

RT: 19.47 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Instrument :

BNA_G

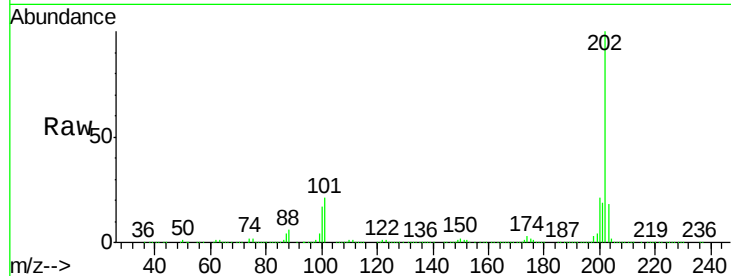
ClientSampleId :

LS-SB10B

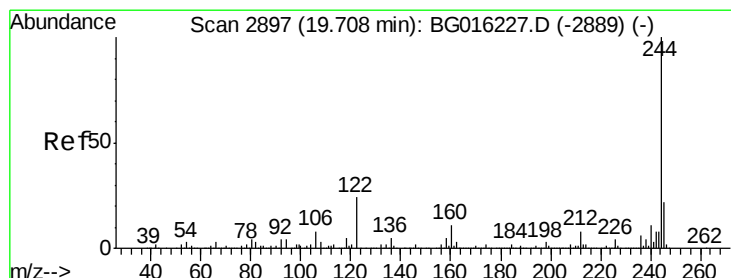
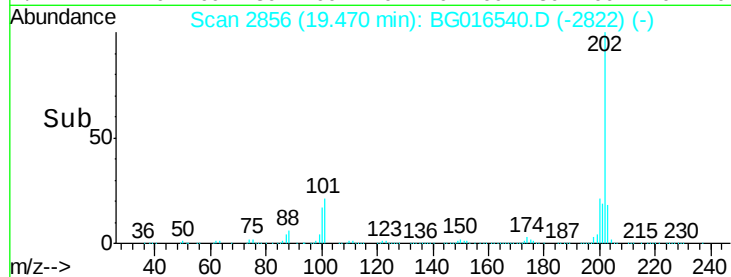
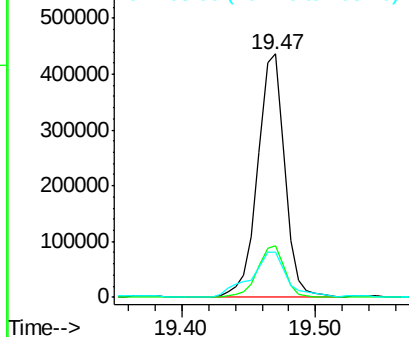
Tgt Ion:	202	Resp:	606497
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.8	26.8
203	18.3	14.7	22.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 63.63 ng

RT: 19.68 min Scan# 2891

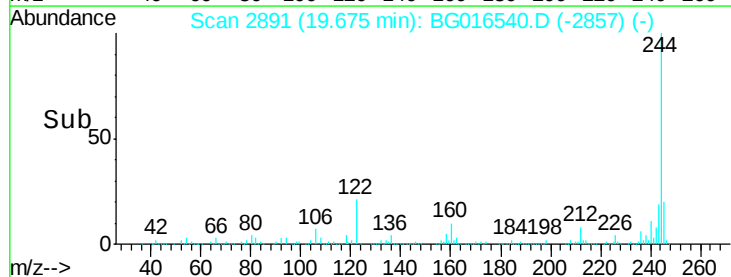
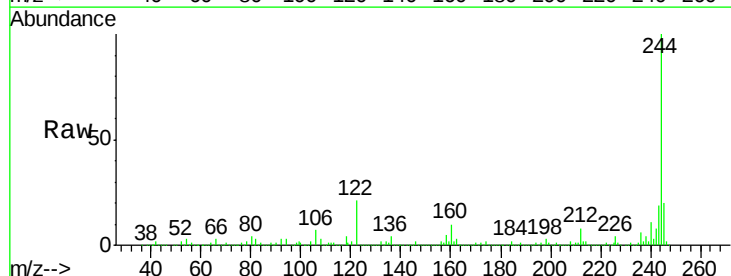
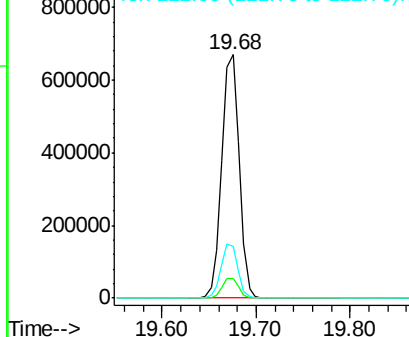
Delta R.T. 0.00 min

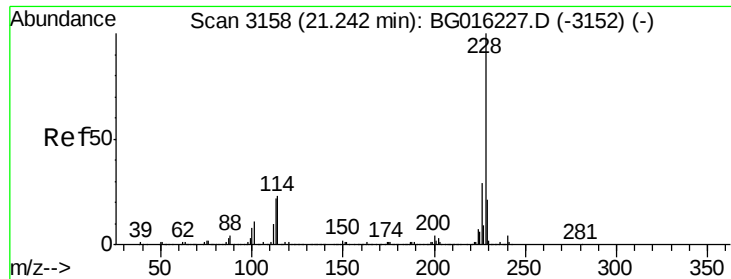
Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Tgt Ion:	244	Resp:	873543
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.6	9.8
122	21.4	19.1	28.7

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





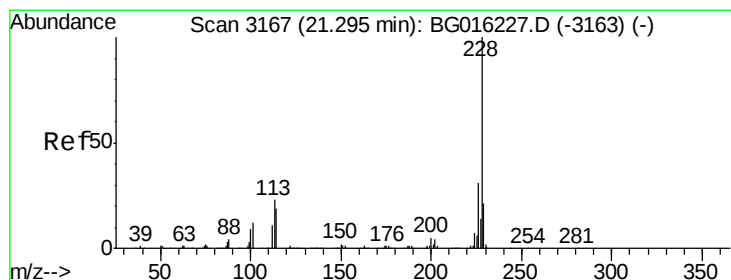
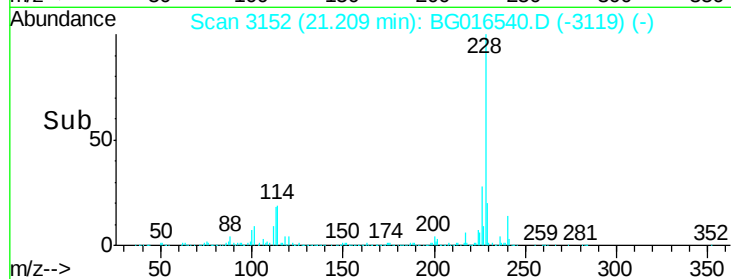
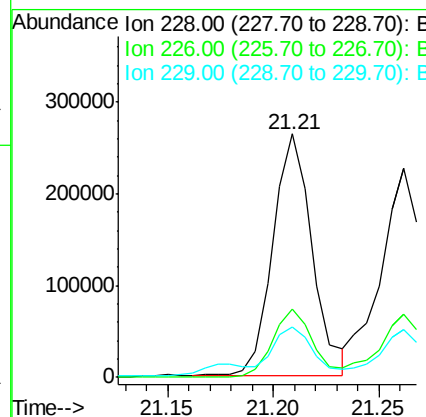
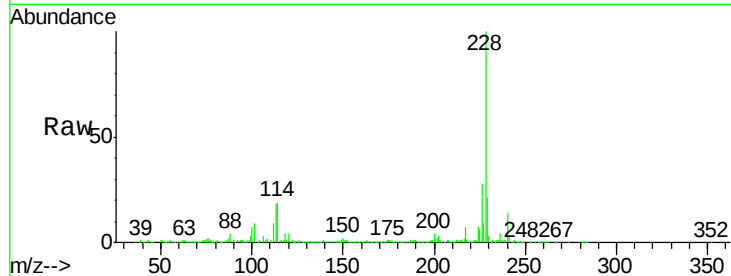
#80
Benzo(a)anthracene
Concen: 18.00 ng
RT: 21.21 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
LS-SB10B

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	341870		
226	28.3	23.5	35.3	
229	20.6	16.8	25.2	

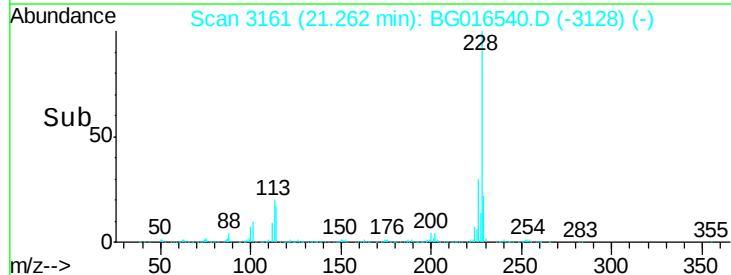
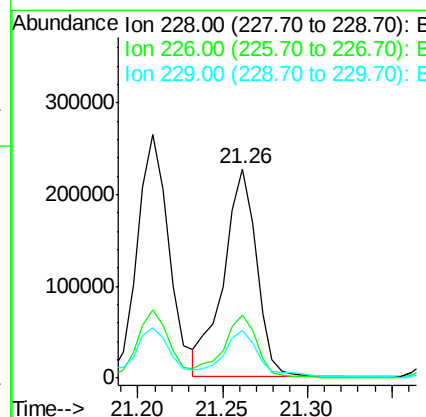
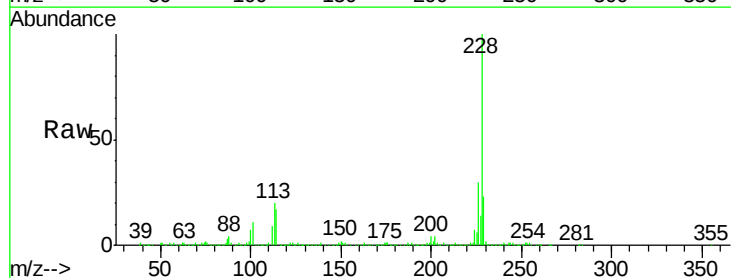
Manual Integrations
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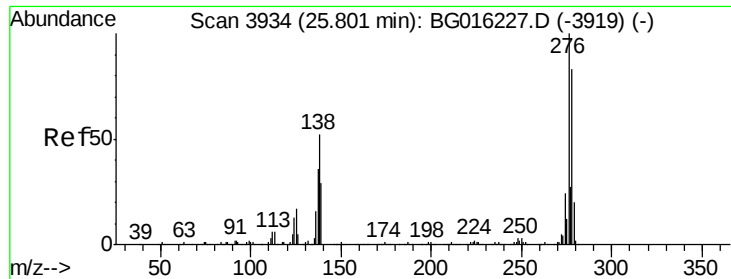
apatel
4/20/2015 4:00:53 PM



#82
Chrysene
Concen: 16.77 ng
RT: 21.26 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	307347		
226	30.1	25.0	37.4	
229	22.6	17.0	25.4	





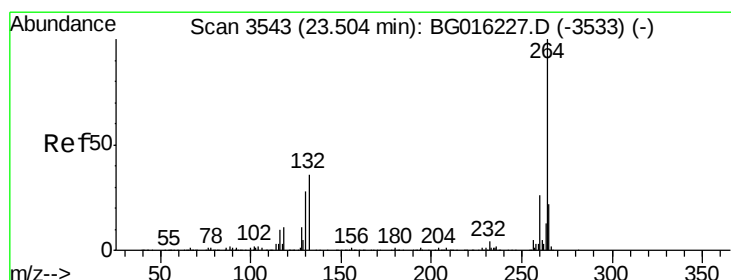
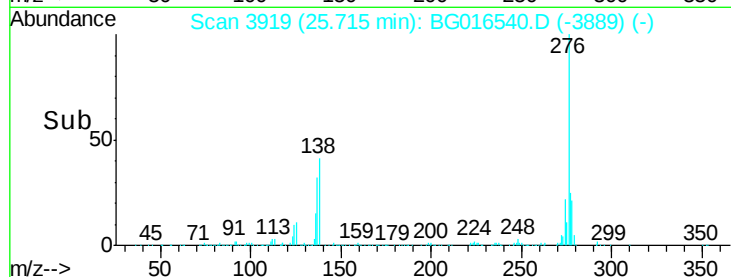
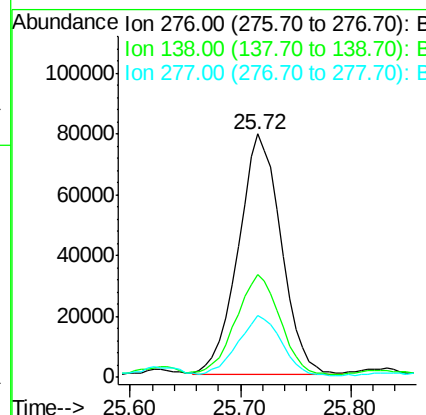
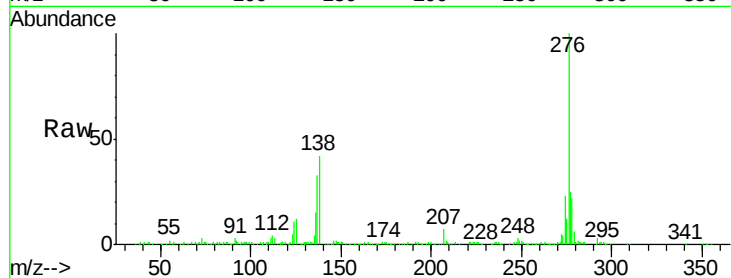
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.31 ng
 RT: 25.72 min Scan# 3919
 Delta R.T. -0.02 min
 Lab File: BG016540.D
 Acq: 19 Apr 2015 2:37

Instrument :
 BNA_G
 ClientSampleId :
 LS-SB10B

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	42.6	41.5	62.3
277	25.2	21.0	31.6

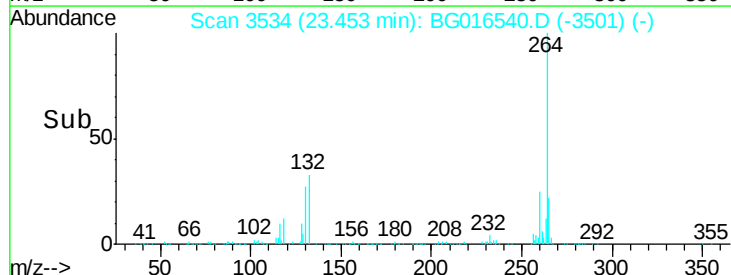
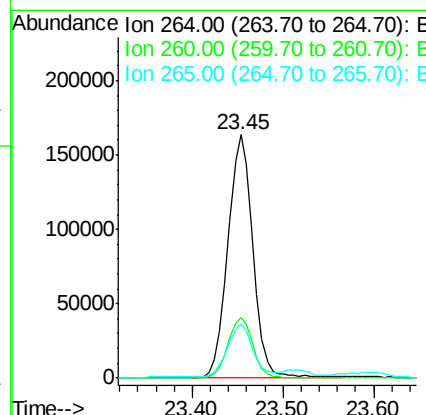
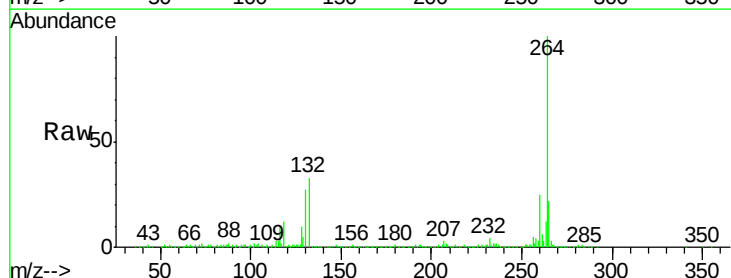
Manual Integrations
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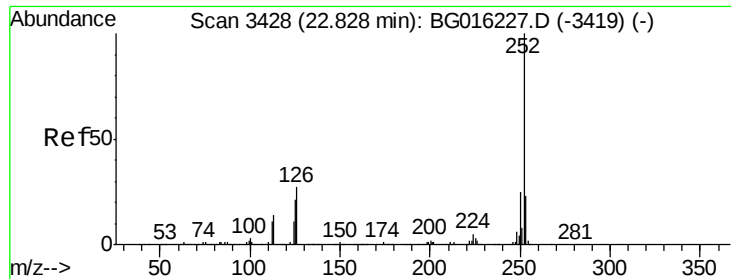
apatel
 4/20/2015 4:00:53 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: BG016540.D
 Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.7	20.4	30.6
265	22.3	17.2	25.8





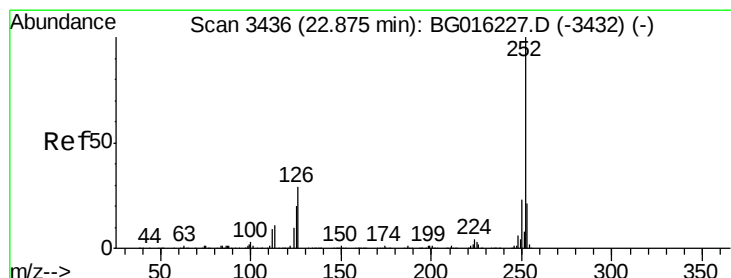
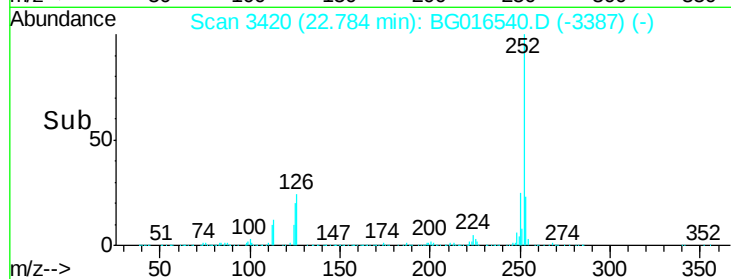
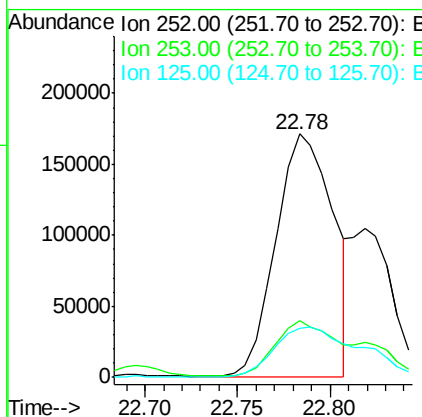
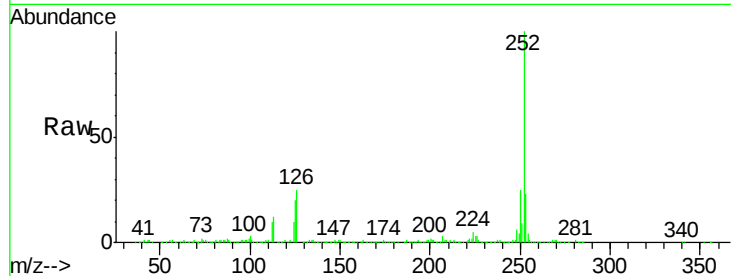
#87
Benzo(b)fluoranthene
Concen: 20.31 ng m
RT: 22.78 min Scan# 3420
Delta R.T. -0.00 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
LS-SB10B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	20.1	17.0	25.6

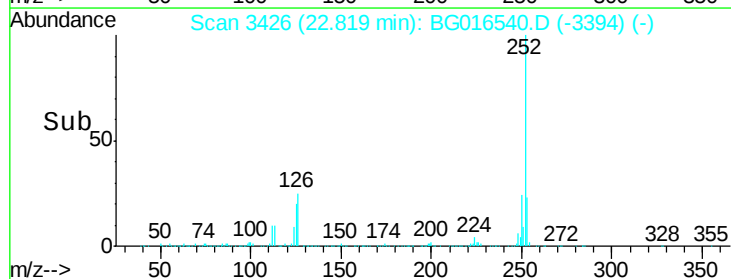
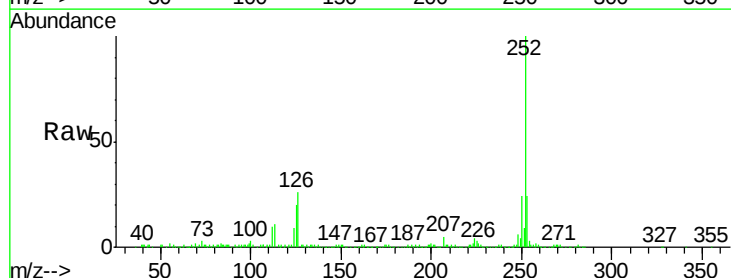
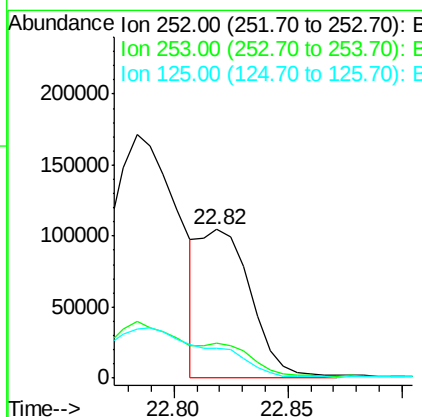
Manual Integrations
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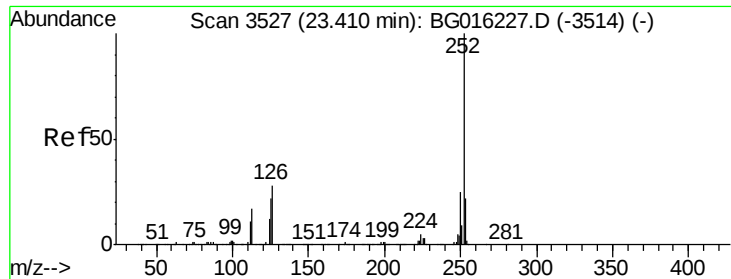
apatel
4/20/2015 4:00:53 PM



#88
Benzo(k)fluoranthene
Concen: 9.14 ng m
RT: 22.82 min Scan# 3426
Delta R.T. -0.01 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	20.2	16.3	24.5





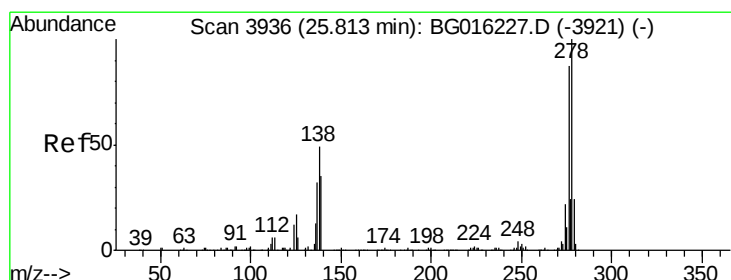
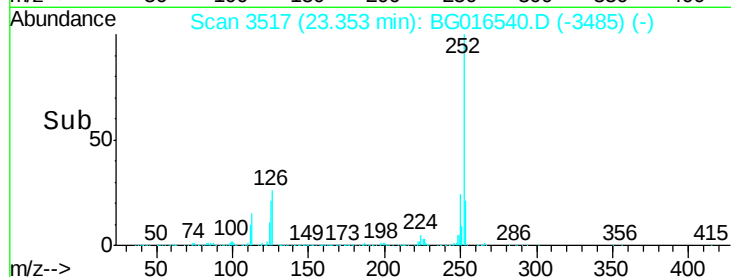
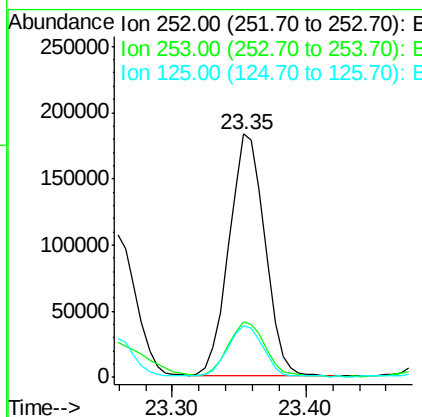
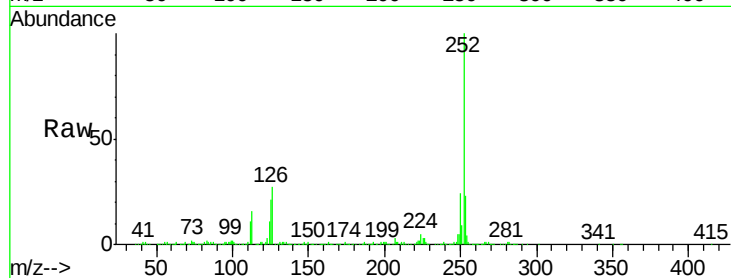
#89
Benzo(a)pyrene
Concen: 19.98 ng
RT: 23.35 min Scan# 3517
Delta R.T. -0.01 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
LS-SB10B

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	17.6	26.4
125	21.4	17.6	26.4

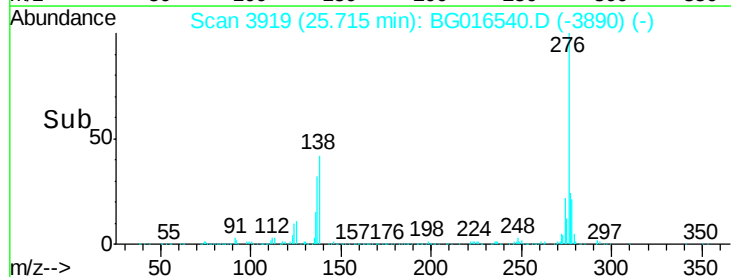
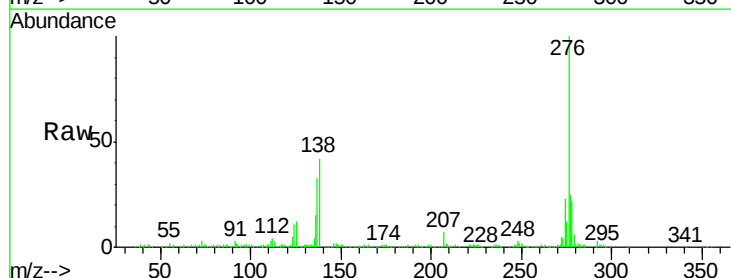
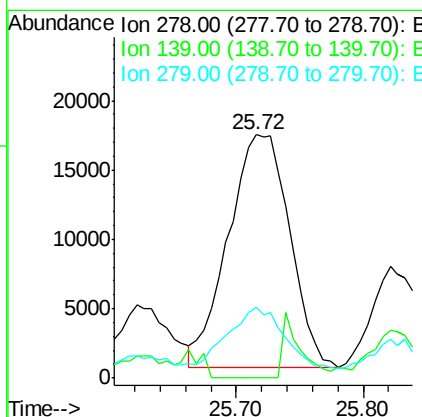
Manual Integrations
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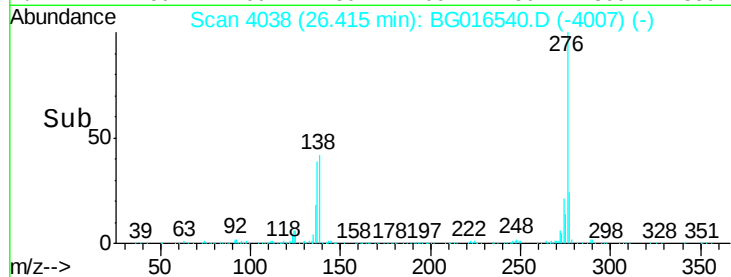
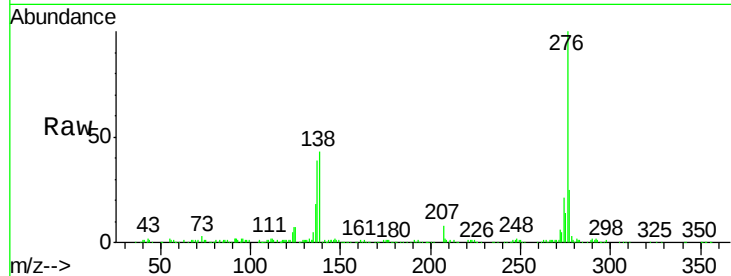
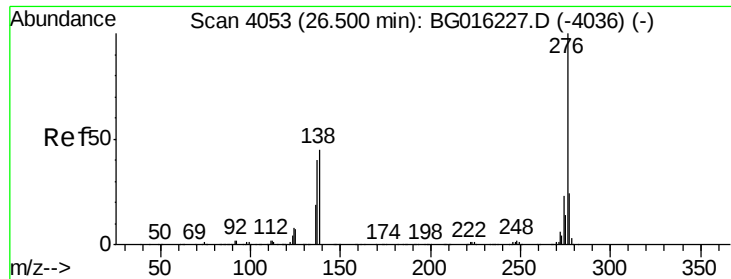
apatel
4/20/2015 4:00:53 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.38 ng
RT: 25.72 min Scan# 3919
Delta R.T. -0.03 min
Lab File: BG016540.D
Acq: 19 Apr 2015 2:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	27.9	41.9#
279	28.8	19.5	29.3





#91

Benzo(g,h,i)perylene

Concen: 13.04 ng

RT: 26.41 min Scan# 4038

Delta R.T. -0.02 min

Lab File: BG016540.D

Acq: 19 Apr 2015 2:37

Instrument :

BNA_G

ClientSampleId :

LS-SB10B

Tgt Ion:	276	Resp:	216264
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.5	29.3
138	42.7	35.7	53.5

Manual Integrations
APPROVED

apatel
4/20/2015 4:00:53 PM

