

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
 Data File : BG016193.D
 Acq On : 28 Mar 2015 1:50
 Operator : TP/IZ
 Sample : G1647-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Manual Integrations
 APPROVED

apatel
 3/30/2015 4:29:39 PM

Quant Time: Mar 28 07:03:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 05:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	78646	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	345425	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	195604	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	356822	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	360553	20.00	ng/ul	0.02
83) Perylene-d12	23.64	264	375296	20.00	ng/ul	0.04

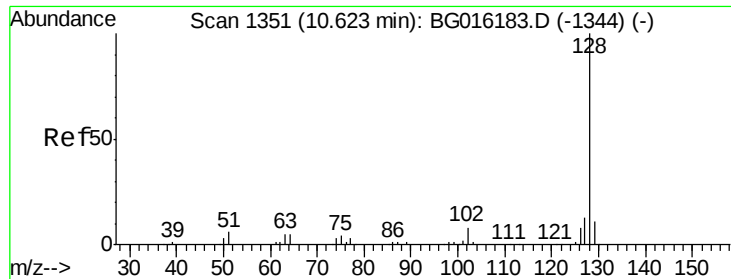
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.97	99	71624	10.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	36612	9.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	56065	10.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	55596	10.47	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	29021	10.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	30424	11.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	49685	10.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	53028	7.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	138050	10.83	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	187419	10.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	25062	8.23	ng/ul	0.01
57) Fluorene-d10	15.41	176	126396	9.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	2852	1.53	ng/ul	0.02
70) Anthracene-d10	17.26	188	169851	10.42	ng/ul	0.01
76) Pyrene-d10	19.55	212	172855	10.72	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.50	264	167312	10.22	ng/ul	0.04

Target Compounds

						Qvalue
28) Naphthalene	10.63	128	140372	7.53	ng/ul	100
34) 2-Methylnaphthalene	12.24	142	89400	6.77	ng/ul	100
40) 1,1'-Biphenyl	13.25	154	74621	4.87	ng/ul	97
49) Acenaphthene	14.49	153	684786	51.40	ng/ul	99
53) Dibenzofuran	14.82	168	689237	38.31	ng/ul	100
58) Fluorene	15.47	166	932705	59.36	ng/ul	99
69) Phenanthrene	17.22	178	3551402	175.09	ng/ul#	61
71) Anthracene	17.30	178	1985599	96.42	ng/ul#	85
72) Carbazole	17.57	167	517720	26.15	ng/ul	99
74) Fluoranthene	19.24	202	4139280m	180.50	ng/ul	
77) Pyrene	19.60	202	3888992	175.30	ng/ul#	70
80) Benzo(a)anthracene	21.33	228	2566347	125.63	ng/ul#	73
82) Chrysene	21.39	228	2291960	117.93	ng/ul#	74
85) Benzo(b)fluoranthene	22.97	252	3472286	161.19	ng/ul#	84
86) Benzo(k)fluoranthene	23.00	252	1226201m	57.64	ng/ul	
88) Benzo(a)pyrene	23.56	252	2625079	122.29	ng/ul#	84
89) Indeno(1,2,3-cd)pyrene	26.02	276	1507393	60.70	ng/ul	94
90) Dibenzo(a,h)anthracene	26.02	278	399137	19.18	ng/ul#	73
91) Benzo(g,h,i)perylene	26.74	276	1167804	55.96	ng/ul	95

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



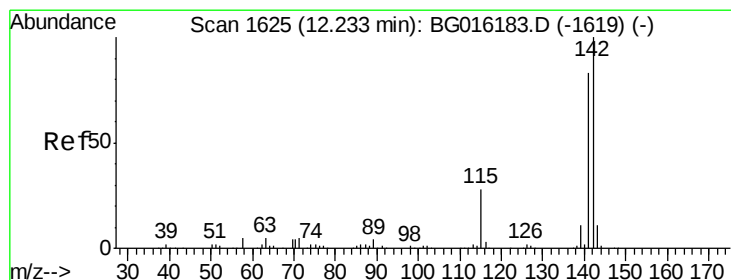
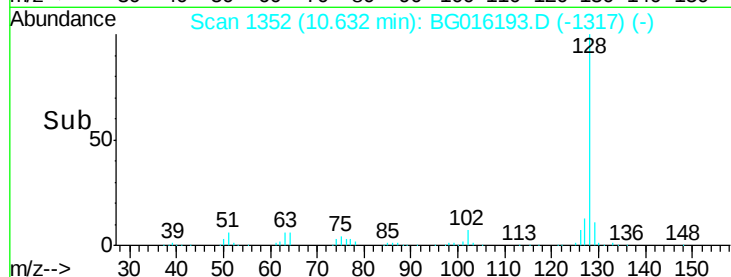
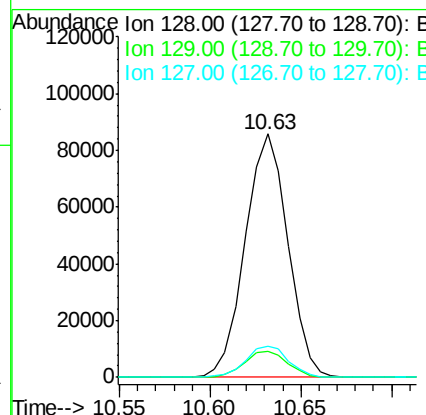
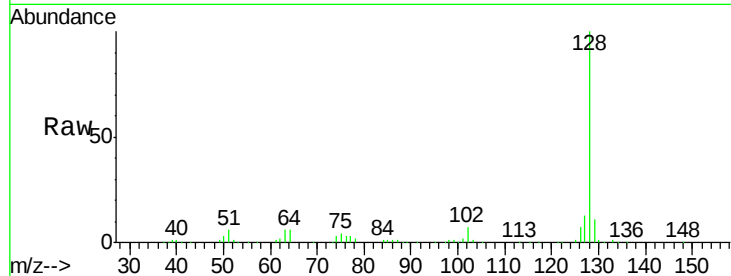
#28
Naphthalene
Concen: 7.53 ng/ul
RT: 10.63 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Instrument :
BNA_G
ClientSampled :
C0AC8

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.9	9.0	13.4
127	13.0	10.4	15.6

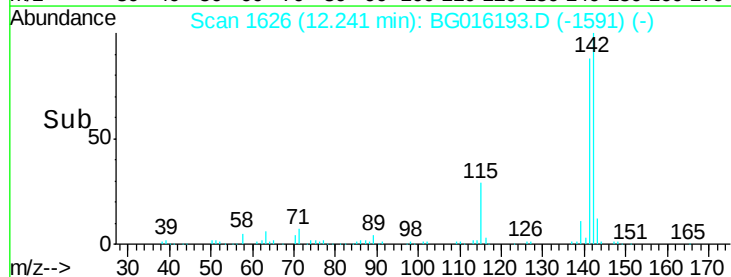
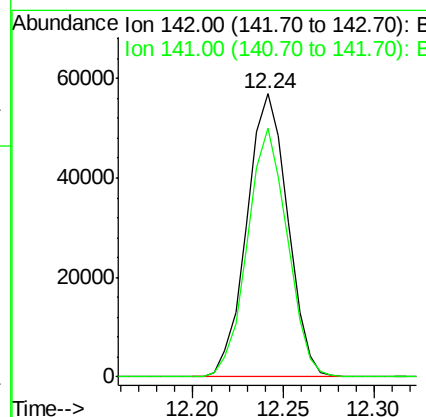
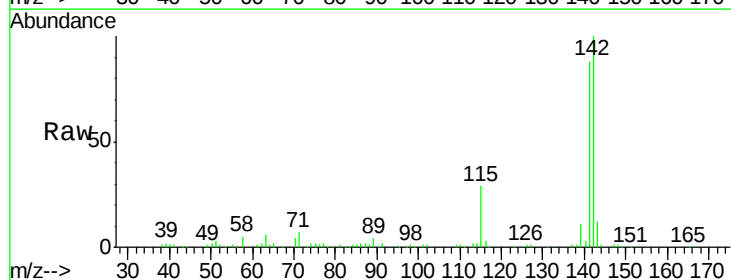
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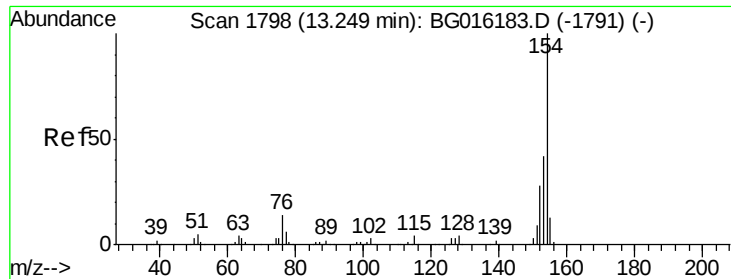
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#34
2-Methylnaphthalene
Concen: 6.77 ng/ul
RT: 12.24 min Scan# 1626
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	87.7	70.2	105.2





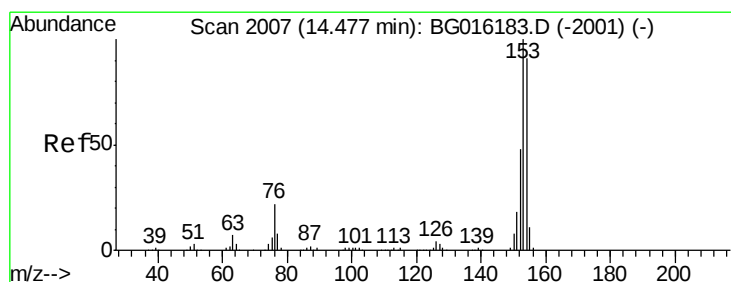
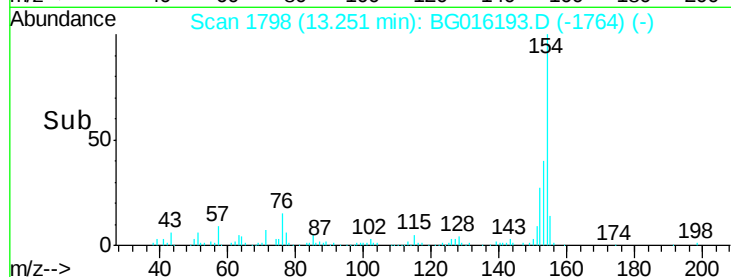
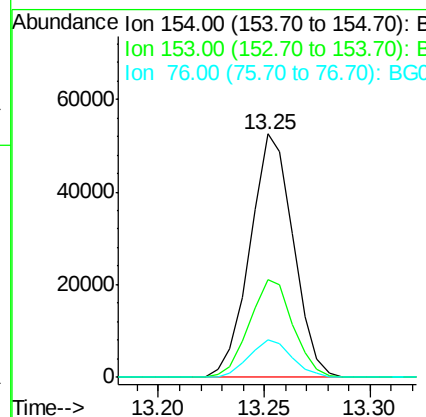
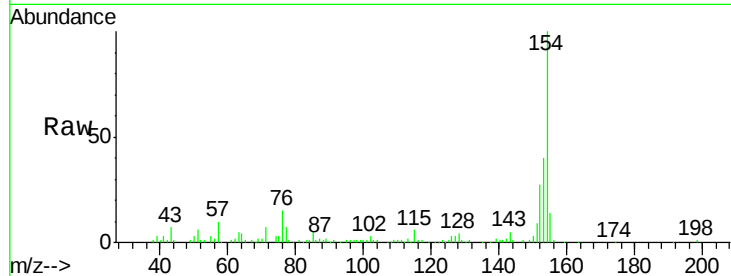
#40
1,1'-Biphenyl
Concen: 4.87 ng/ul
RT: 13.25 min Scan# 1798
Delta R.T. 0.00 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tgt Ion:	154	Resp:	74621
Ion Ratio	Lower	Upper	
154	100		
153	40.0	33.9	50.9
76	15.3	12.6	19.0

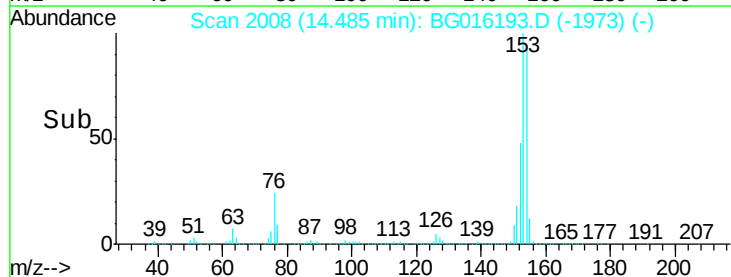
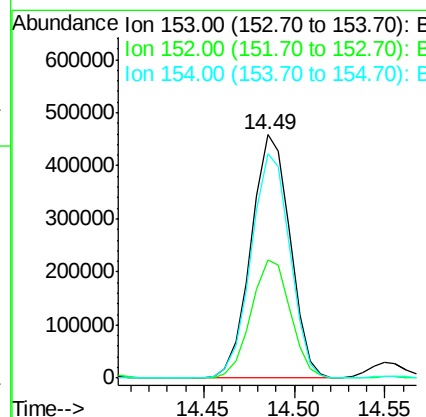
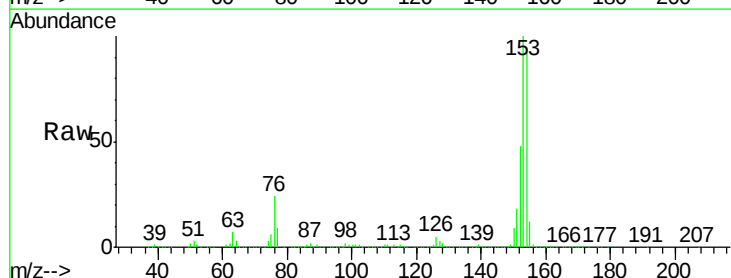
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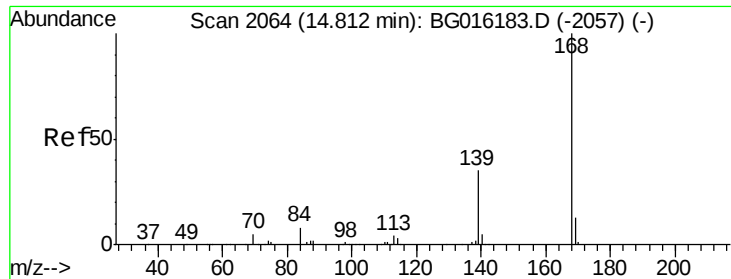
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#49
Acenaphthene
Concen: 51.40 ng/ul
RT: 14.49 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Tgt Ion:	153	Resp:	684786
Ion Ratio	Lower	Upper	
153	100		
152	48.3	37.4	56.2
154	92.0	74.4	111.6





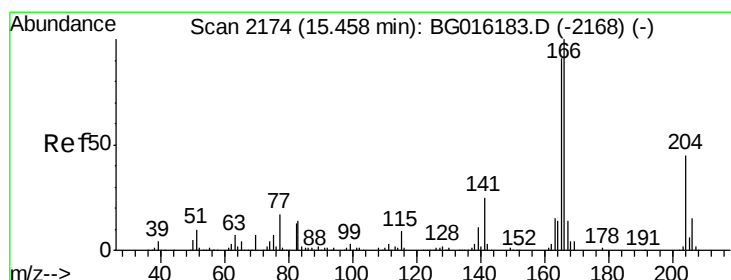
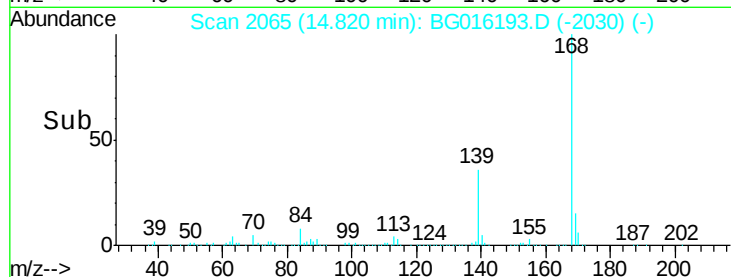
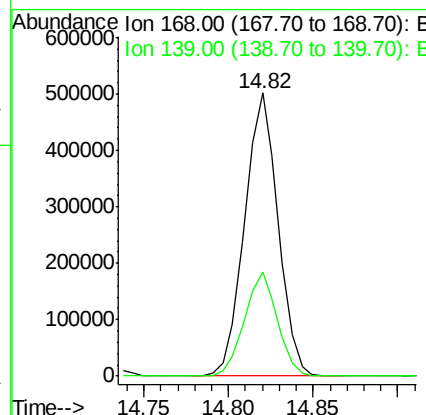
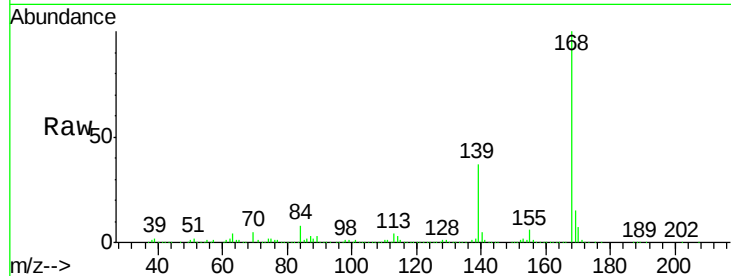
#53
Dibenzenofuran
Concen: 38.31 ng/ul
RT: 14.82 min Scan# 2065
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Instrument :
BNA_G
ClientSampled :
C0AC8

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	689237		
139	36.7	29.1	43.7	

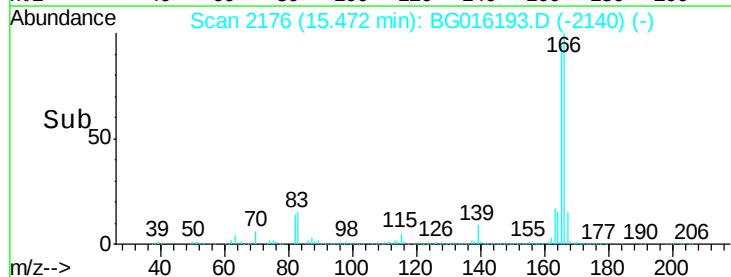
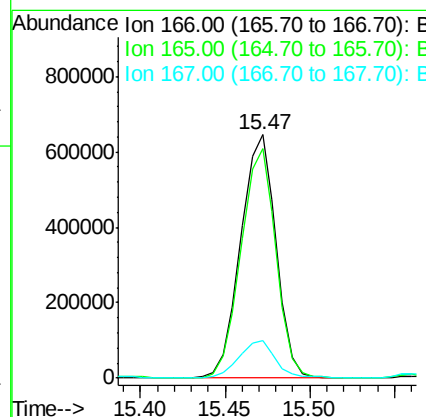
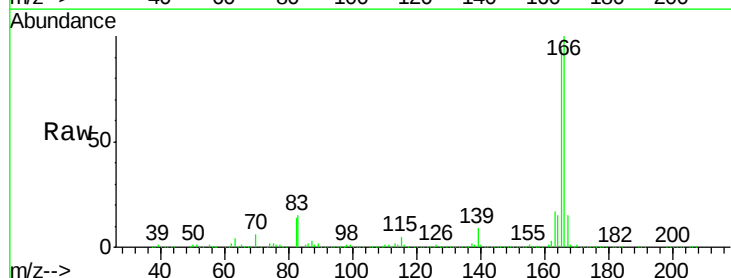
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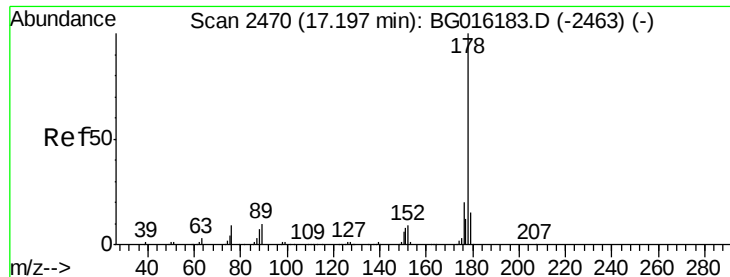
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#58
Fluorene
Concen: 59.36 ng/ul
RT: 15.47 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	932705		
165	94.4	76.1	114.1	
167	15.2	10.5	15.7	





#69

Phenanthrene

Concen: 175.09 ng/ul

RT: 17.22 min Scan# 2474

Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

C0AC8

Tgt Ion:178 Resp: 3551402

Ion Ratio Lower Upper

178 100

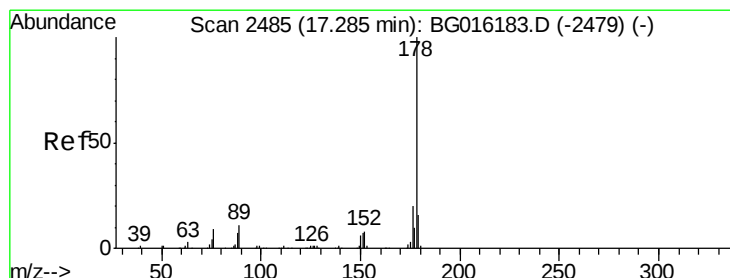
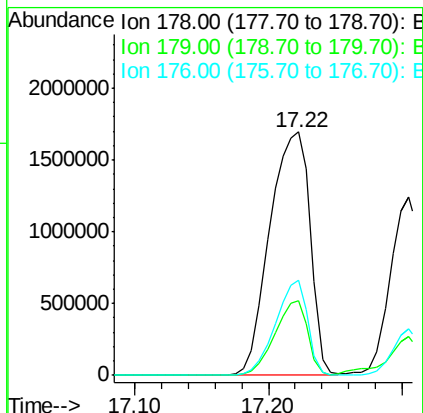
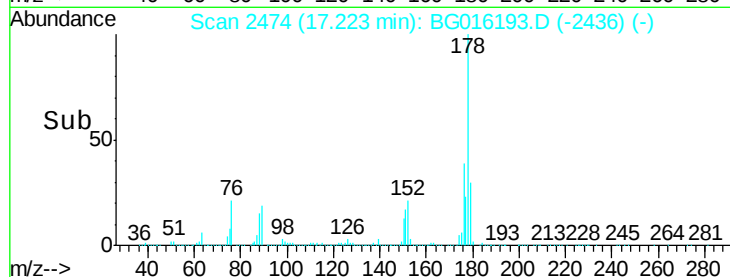
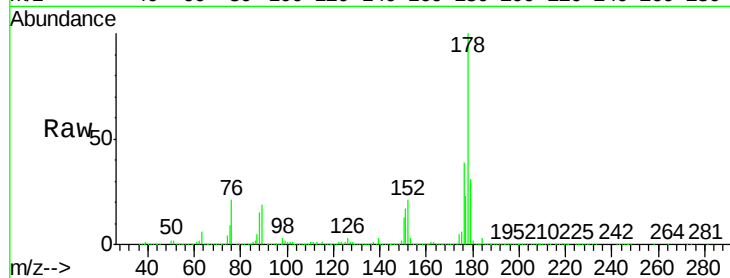
179 30.5 12.8 19.2#

176 39.0 15.6 23.4#

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#71

Anthracene

Concen: 96.42 ng/ul

RT: 17.30 min Scan# 2488

Delta R.T. 0.02 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

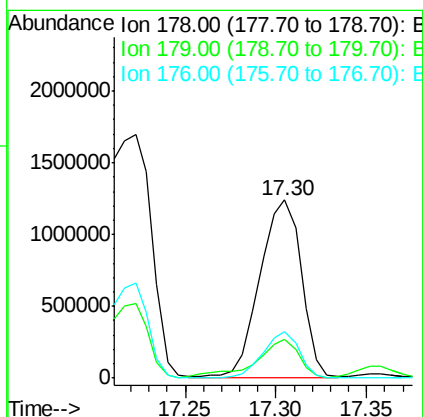
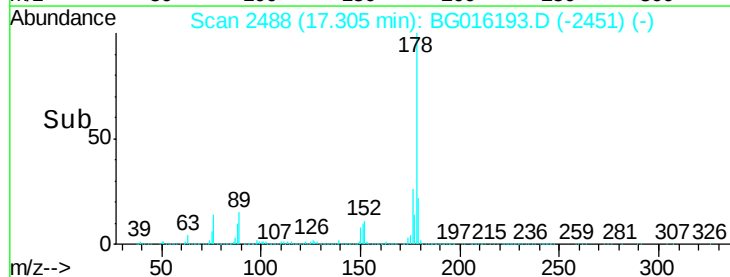
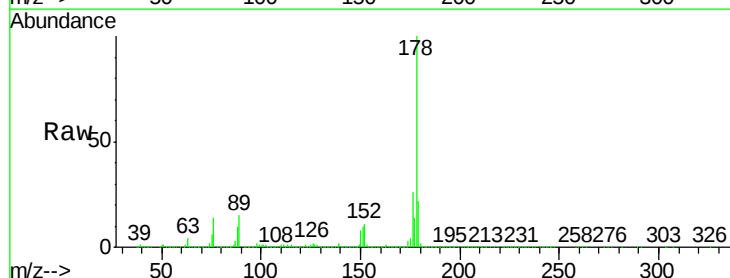
Tgt Ion:178 Resp: 1985599

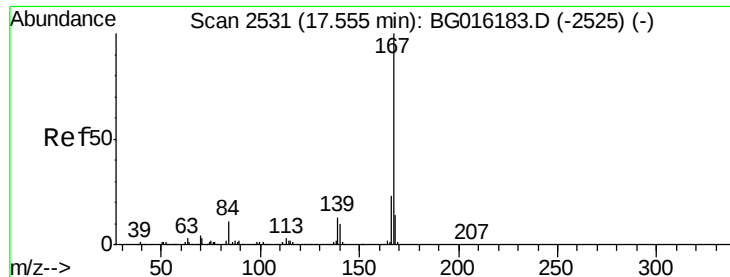
Ion Ratio Lower Upper

178 100

179 21.6 12.7 19.1#

176 26.1 15.3 22.9#





#72

Carbazole

Concen: 26.15 ng/ul

RT: 17.57 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

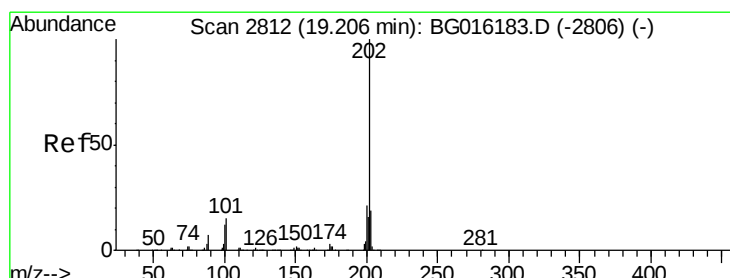
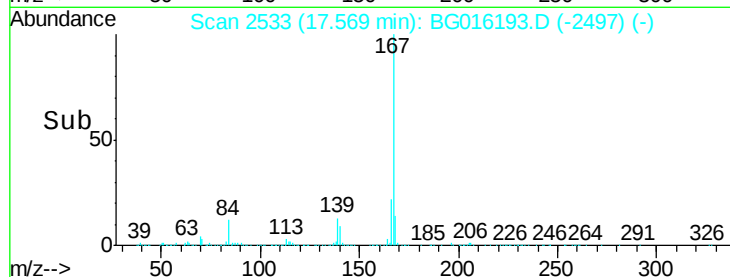
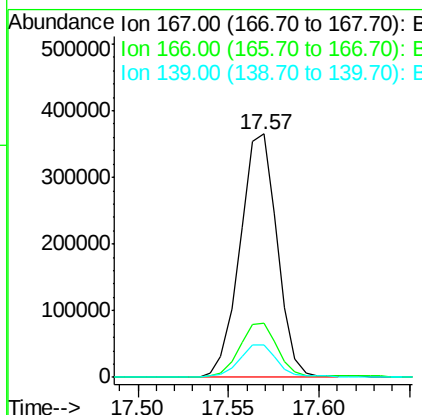
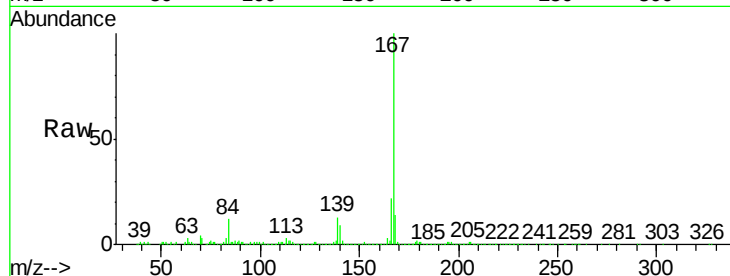
ClientSampleId :

C0AC8

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.2	27.2
139	13.3	10.0	15.0

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#74

Fluoranthene

Concen: 180.50 ng/ul m

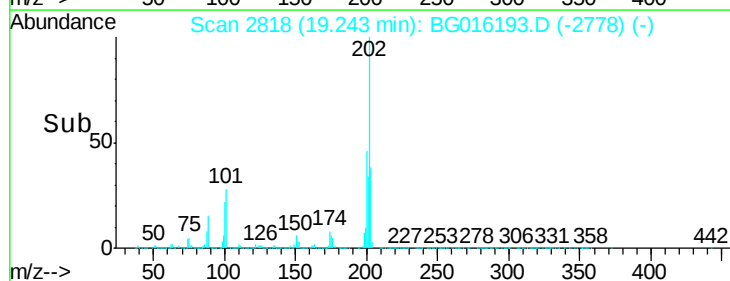
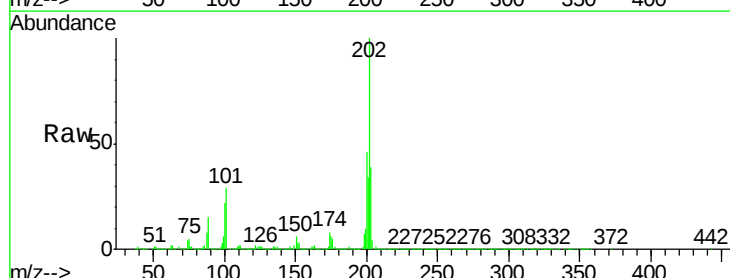
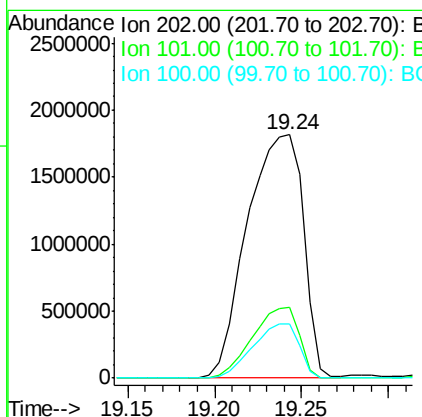
RT: 19.24 min Scan# 2818

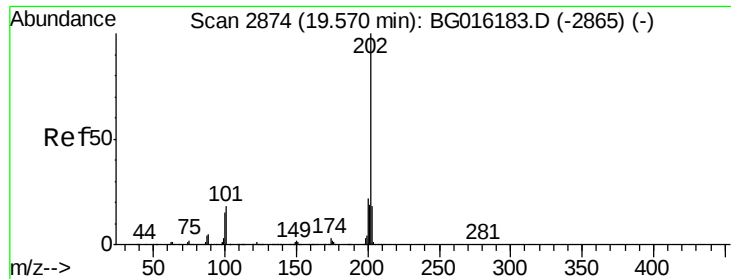
Delta R.T. 0.04 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	28.8	12.9	19.3#
100	22.3	9.4	14.2#





#77

Pyrene

Concen: 175.30 ng/ul

RT: 19.60 min Scan# 2879

Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

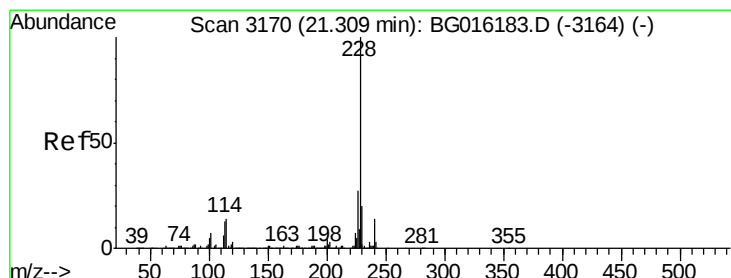
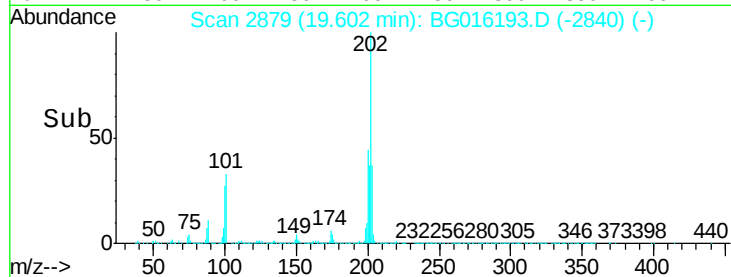
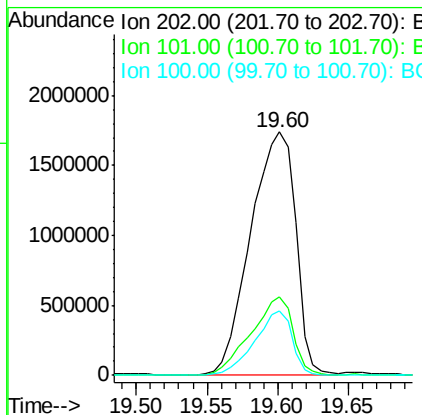
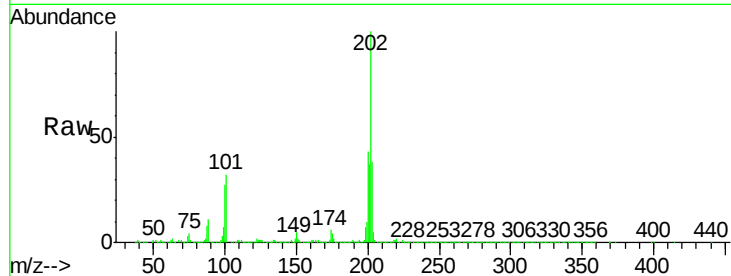
ClientSampleId :

C0AC8

Tgt Ion:	202	Resp:	3888992
Ion Ratio	Lower	Upper	
202	100		
101	32.4	14.6	21.8#
100	26.5	12.1	18.1#

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#80

Benzo(a)anthracene

Concen: 125.63 ng/ul

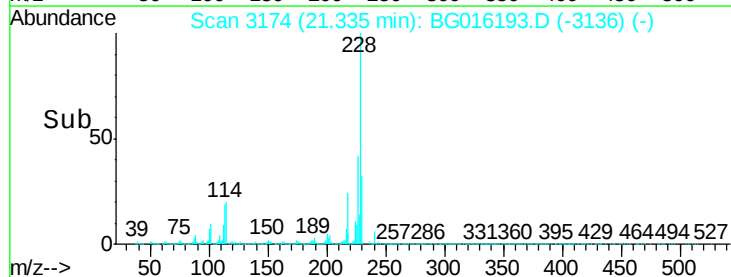
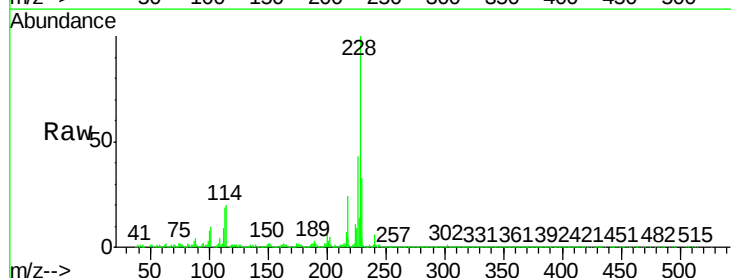
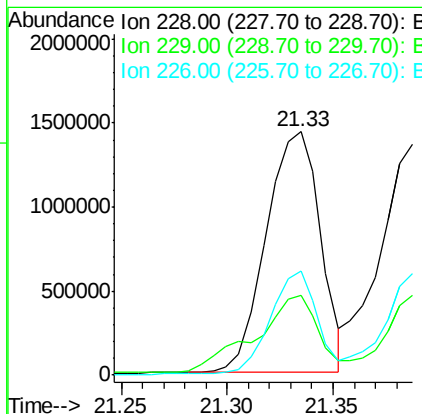
RT: 21.33 min Scan# 3174

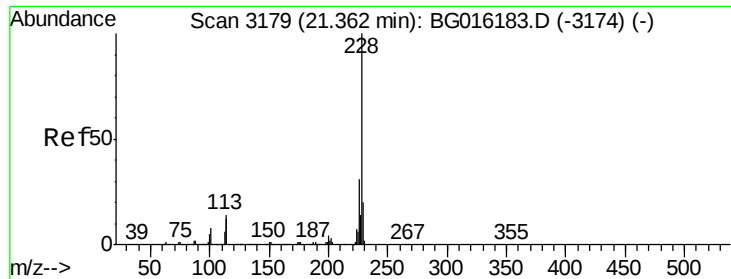
Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Tgt Ion:	228	Resp:	2566347
Ion Ratio	Lower	Upper	
228	100		
229	32.7	16.2	24.4#
226	42.5	22.4	33.6#





#82

Chrysene

Concen: 117.93 ng/ul

RT: 21.39 min Scan# 3183

Delta R.T. 0.03 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

ClientSampleId :

C0AC8

Tgt Ion:228 Resp: 2291960

Ion Ratio Lower Upper

228 100

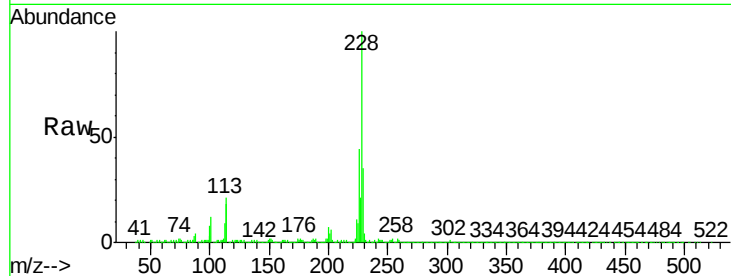
226 44.1 24.6 36.8#

229 34.5 16.6 25.0#

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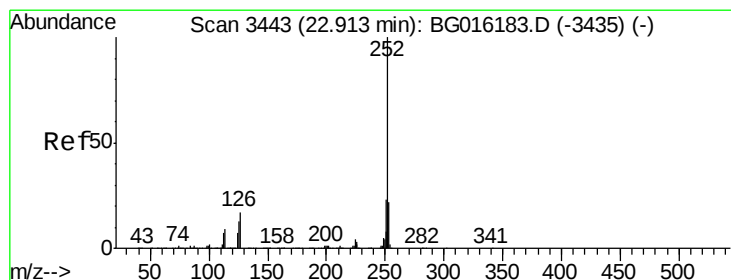
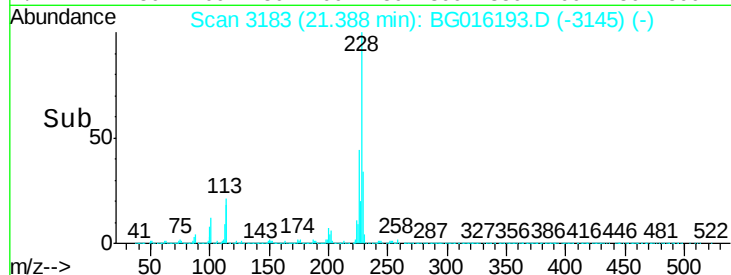
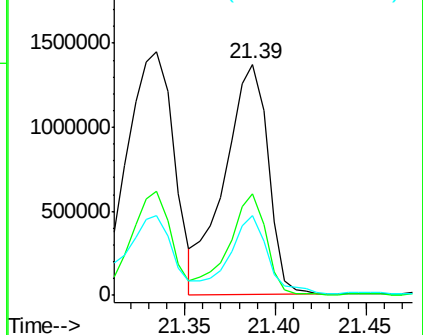
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 161.19 ng/ul

RT: 22.97 min Scan# 3452

Delta R.T. 0.06 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Tgt Ion:252 Resp: 3472286

Ion Ratio Lower Upper

252 100

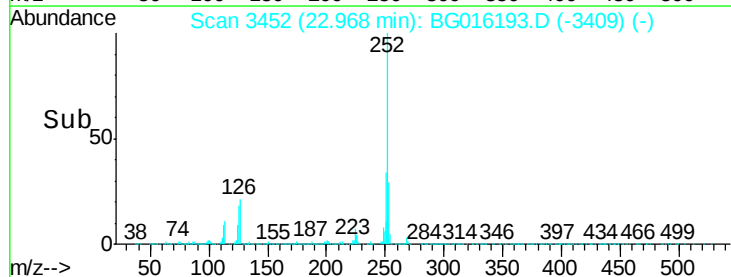
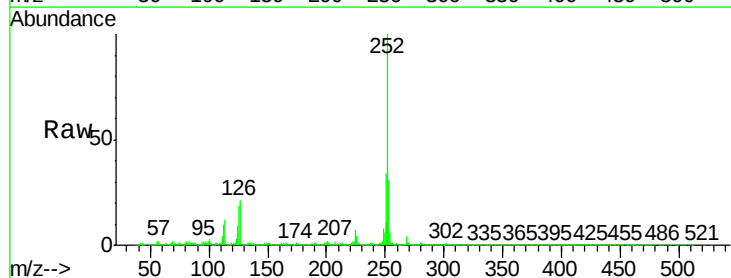
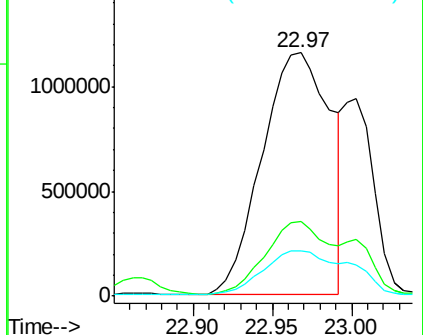
253 30.9 17.9 26.9#

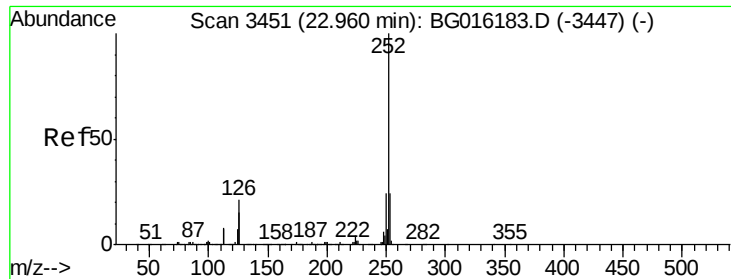
125 18.8 11.0 16.6#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 57.64 ng/ul m

RT: 23.00 min Scan# 3458

Delta R.T. 0.04 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

Instrument :

BNA_G

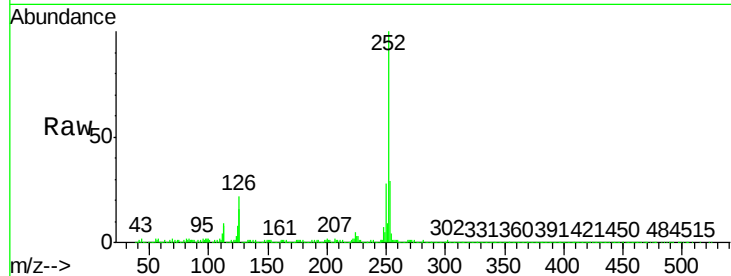
ClientSampleId :

C0AC8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.8	26.6#
125	15.9	10.7	16.1

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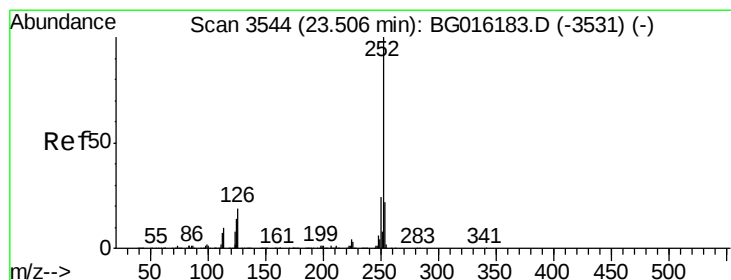
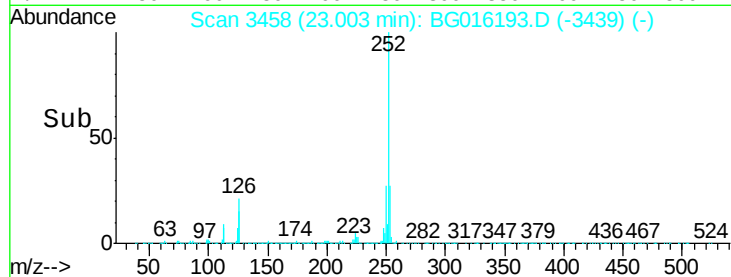
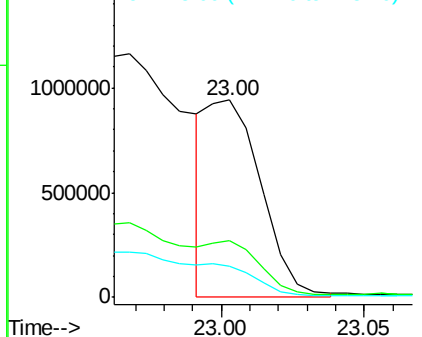


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 122.29 ng/ul

RT: 23.56 min Scan# 3553

Delta R.T. 0.06 min

Lab File: BG016193.D

Acq: 28 Mar 2015 1:50

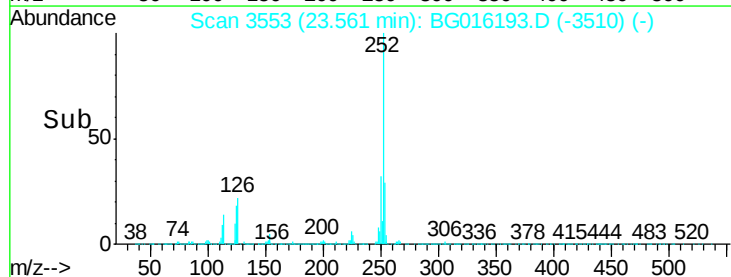
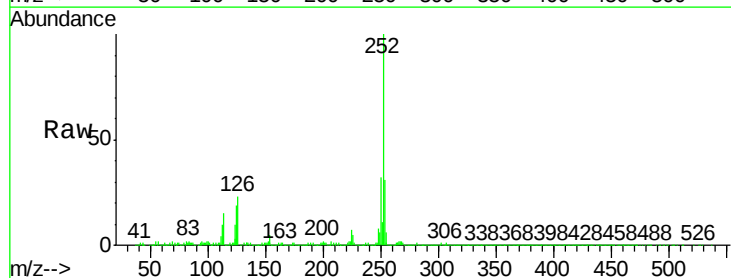
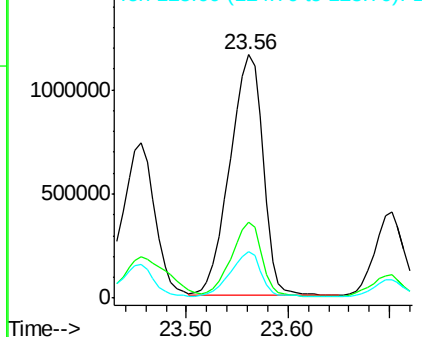
Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	17.6	26.4#
125	18.9	11.5	17.3#

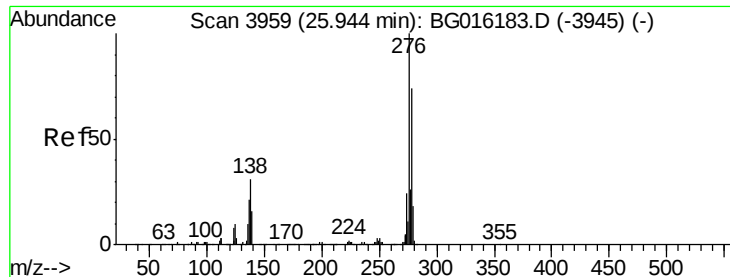
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

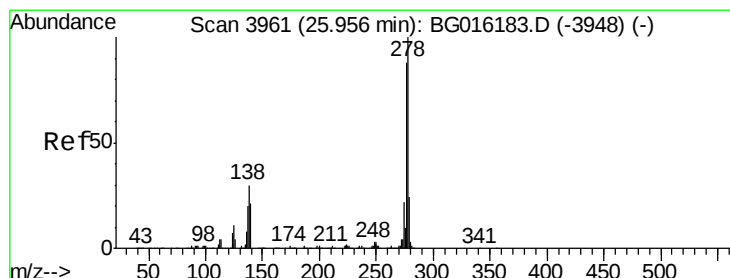
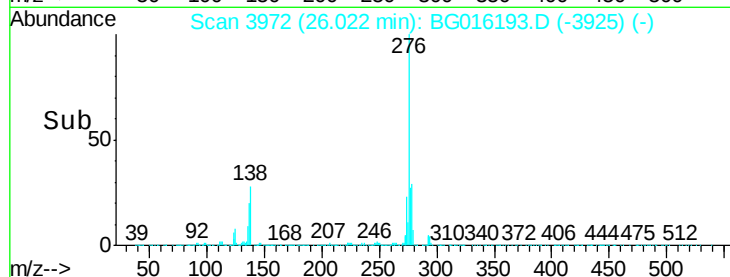
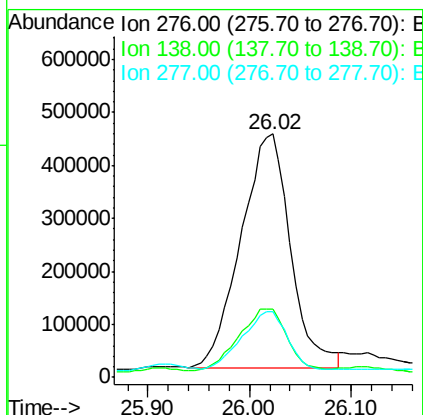
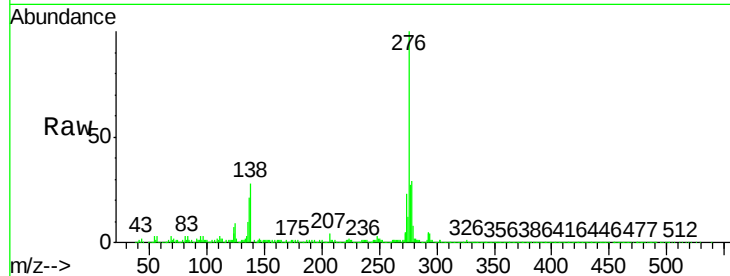
Indeno(1,2,3-cd)pyrene
Concen: 60.70 ng/ul
RT: 26.02 min Scan# 3972
Delta R.T. 0.08 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Instrument :
BNA_G
ClientSampleId :
C0AC8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	26.1	39.1
277	27.1	20.0	30.0

Manual Integrations
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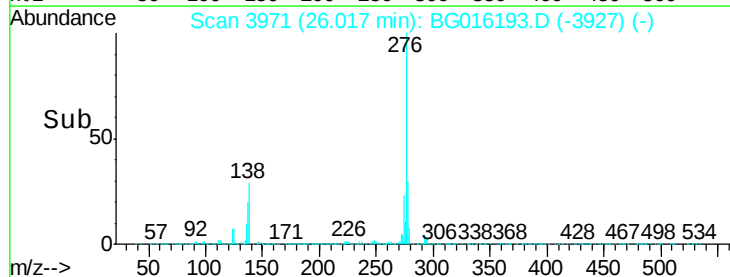
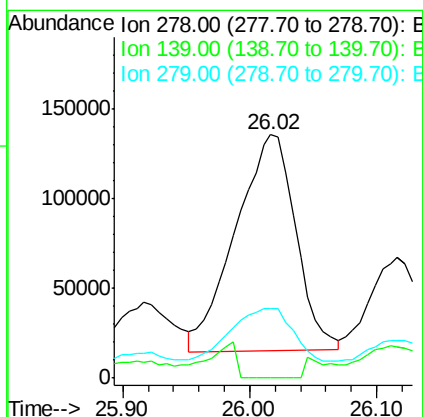
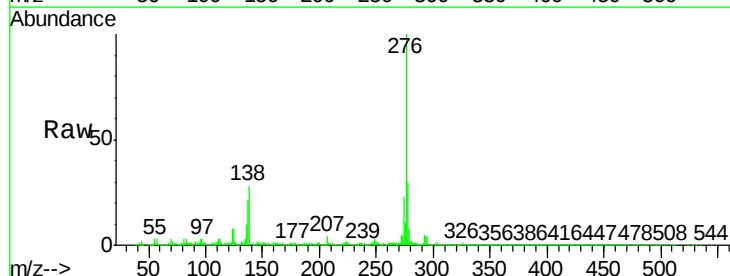
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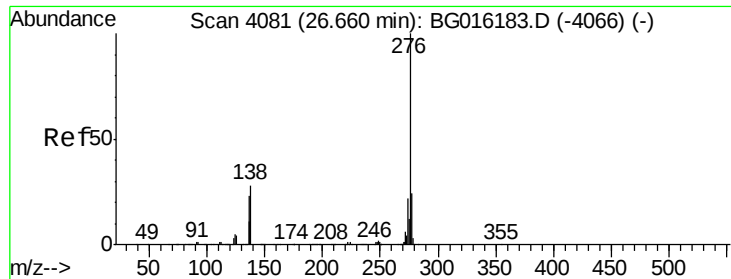


#90

Dibenzo(a,h)anthracene
Concen: 19.18 ng/ul
RT: 26.02 min Scan# 3971
Delta R.T. 0.06 min
Lab File: BG016193.D
Acq: 28 Mar 2015 1:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	17.8	26.6#
279	28.4	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 55.96 ng/ul
 RT: 26.74 min Scan# 4095
 Delta R.T. 0.08 min
 Lab File: BG016193.D
 Acq: 28 Mar 2015 1:50

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Tgt Ion:	276	Resp:	1167804
Ion Ratio	Lower	Upper	
276	100		
138	29.5	22.0	33.0
277	26.5	19.0	28.4

Manual Integrations
 APPROVED

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