

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
 Data File : BG016194.D
 Acq On : 28 Mar 2015 2:24
 Operator : TP/IZ
 Sample : G1647-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD0

Manual Integrations
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Quant Time: Mar 28 07:06:20 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	7.80	152	79069	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	337116	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	188694	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	347986	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	359094	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	355811	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.97	99	75518	10.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	39857	10.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	58311	10.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	56883	10.65	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	31241	11.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	31519	12.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	51851	10.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	57294	8.76	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	140259	11.40	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	192018	11.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	24085	8.20	ng/ul	0.00
57) Fluorene-d10	15.41	176	129096	10.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	2305	1.27	ng/ul	0.00
70) Anthracene-d10	17.26	188	177854	11.19	ng/ul	0.00
76) Pyrene-d10	19.55	212	176889	11.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	166793	10.75	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.63	128	58503	3.21	ng/ul	97
34) 2-Methylnaphthalene	12.24	142	58429	4.54	ng/ul	98
40) 1,1'-Biphenyl	13.25	154	20520	1.39	ng/ul	98
49) Acenaphthene	14.49	153	102366	7.97	ng/ul	98
53) Dibenzofuran	14.82	168	180379	10.39	ng/ul	98
58) Fluorene	15.47	166	173348	11.44	ng/ul	98
69) Phenanthrene	17.21	178	1109103	56.07	ng/ul	96
71) Anthracene	17.29	178	231639	11.53	ng/ul	99
72) Carbazole	17.56	167	86356	4.47	ng/ul	99
74) Fluoranthene	19.22	202	1069825	47.84	ng/ul	98
77) Pyrene	19.59	202	896501	40.57	ng/ul	99
80) Benzo(a)anthracene	21.32	228	452633	22.25	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.24	149	12851	1.05	ng/ul#	96
82) Chrysene	21.37	228	412120	21.29	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	562994	27.57	ng/ul#	94
86) Benzo(k)fluoranthene	22.97	252	182980m	9.07	ng/ul	
88) Benzo(a)pyrene	23.53	252	381331	18.74	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.98	276	183898	7.81	ng/ul	95
90) Dibenzo(a,h)anthracene	25.99	278	47875	2.43	ng/ul#	78
91) Benzo(g,h,i)perylene	26.71	276	125146m	6.33	ng/ul	

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

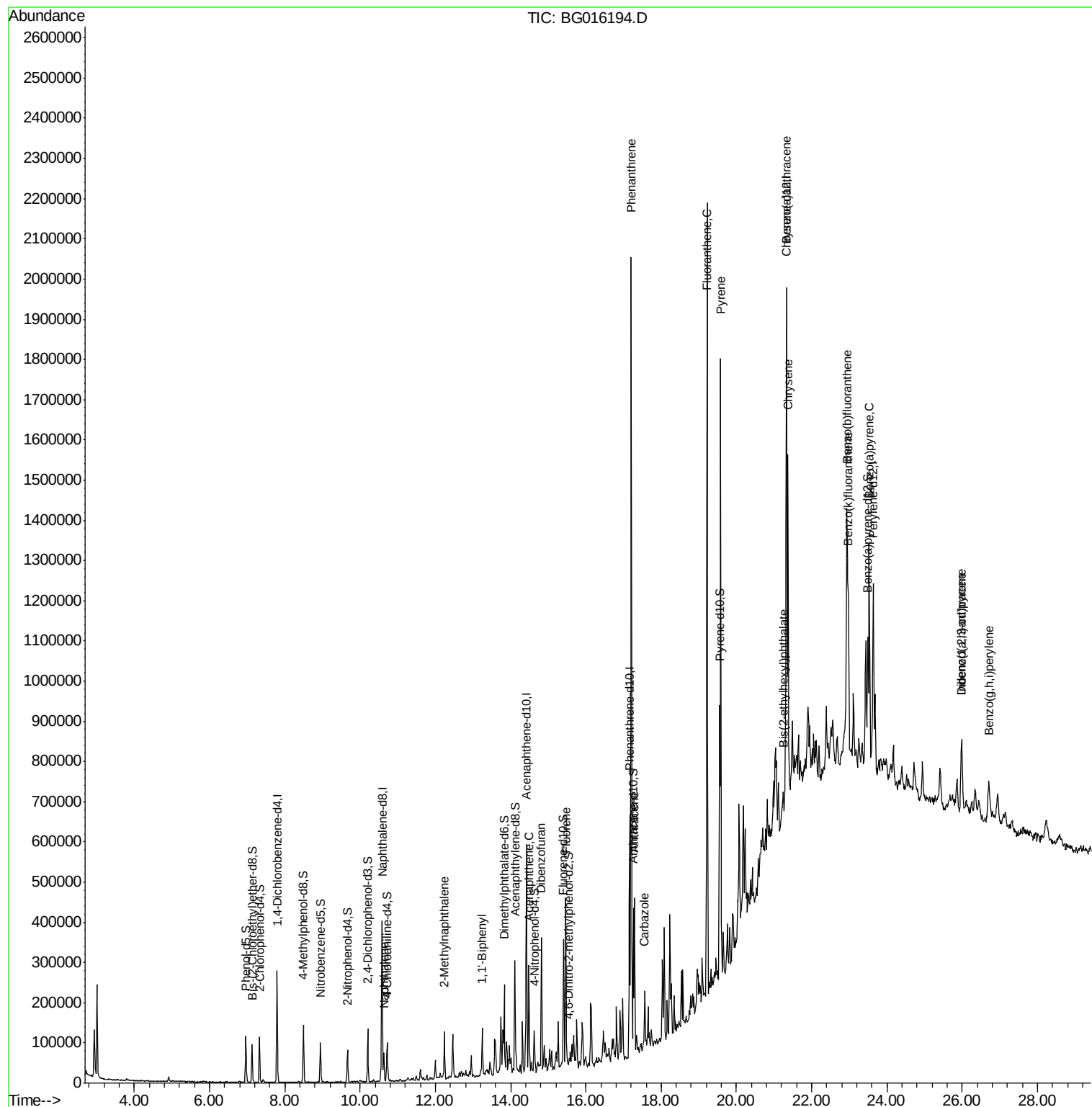
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

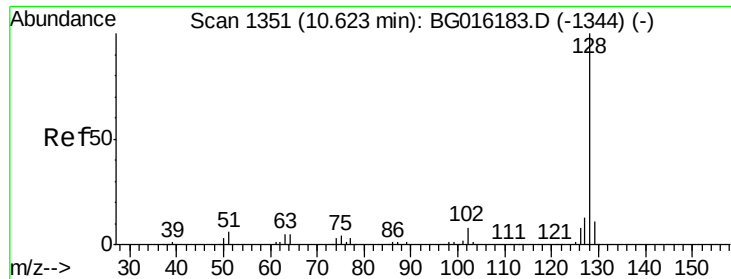
Instrument :
BNA_G
ClientSampled :
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Quant Time: Mar 28 07:06:20 2015
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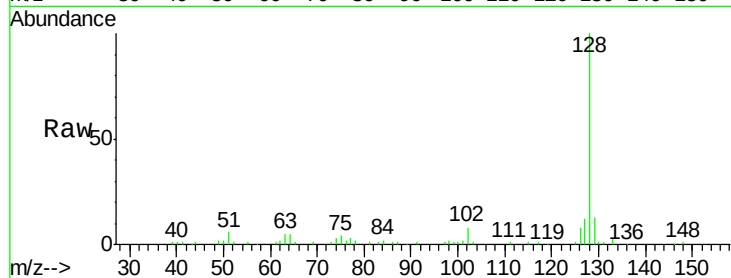
#28
Naphthalene
Concen: 3.21 ng/ul
RT: 10.63 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Instrument :
BNA_G
ClientSampleId :
C0AD0

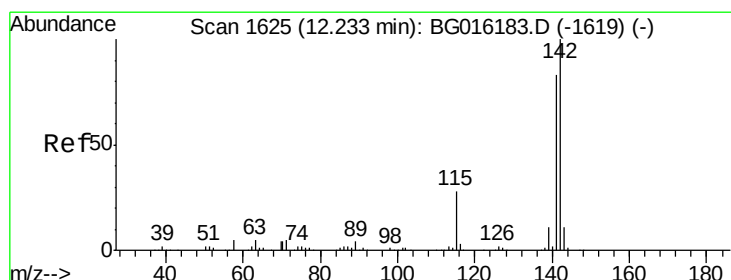
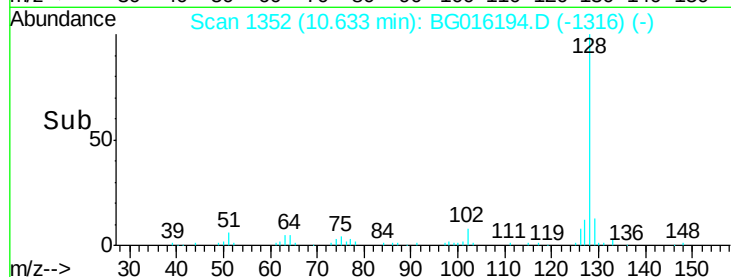
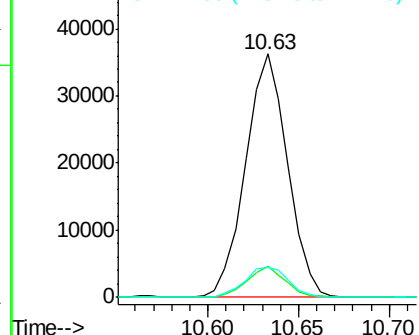
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.0	13.4
127	12.0	10.4	15.6

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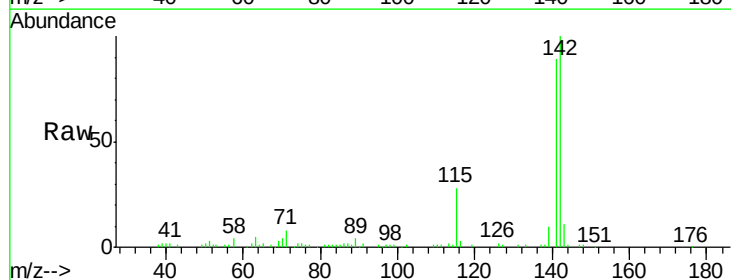


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

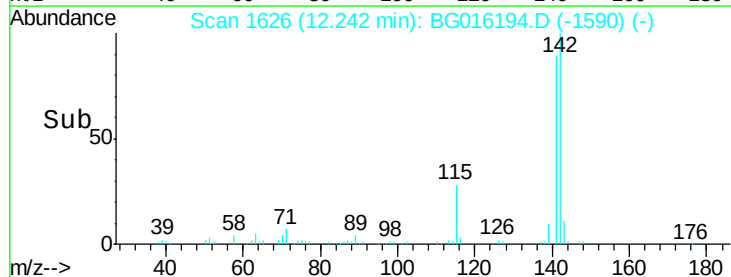
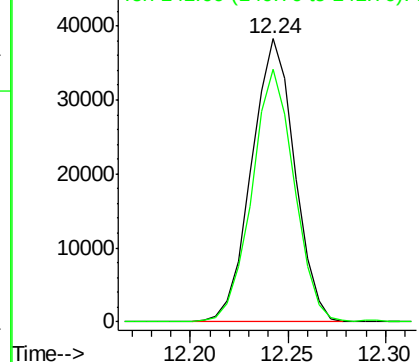


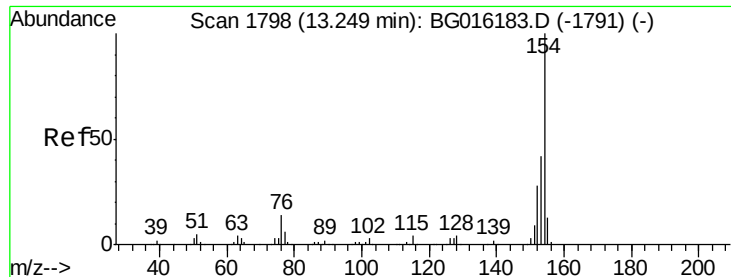
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2-Methylnaphthalene
Concen: 4.54 ng/ul
RT: 12.24 min Scan# 1626
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.2	105.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.39 ng/ul

RT: 13.25 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

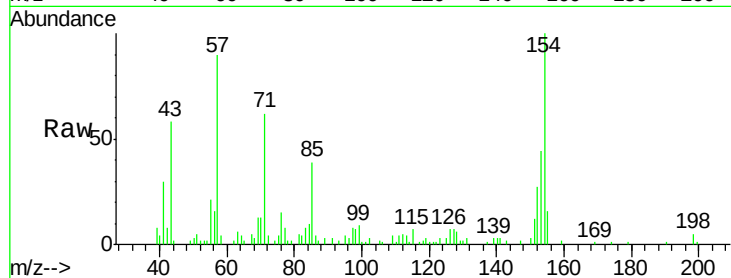
ClientSampled :

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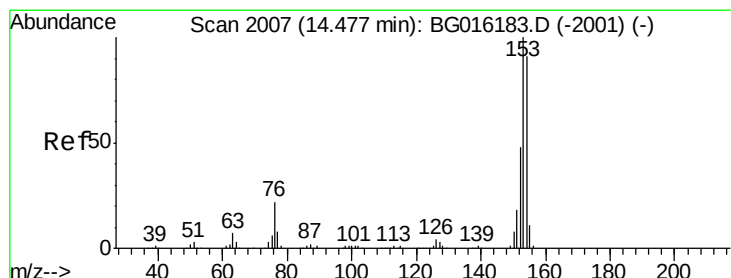
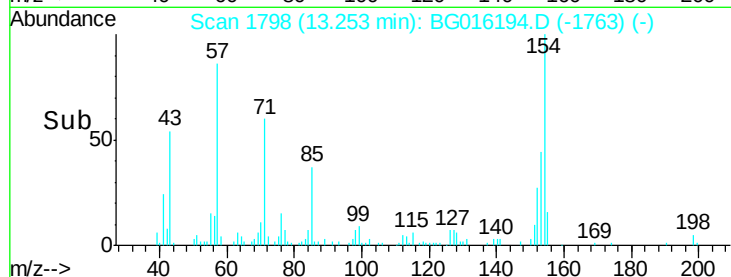
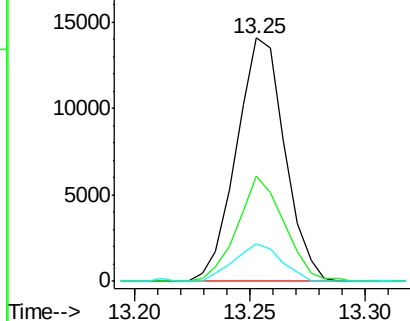
Tgt Ion:	154	Resp:	20520
Ion Ratio	Lower	Upper	
154	100		
153	43.5	33.9	50.9
76	15.2	12.6	19.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC



#49

Acenaphthene

Concen: 7.97 ng/ul

RT: 14.49 min Scan# 2008

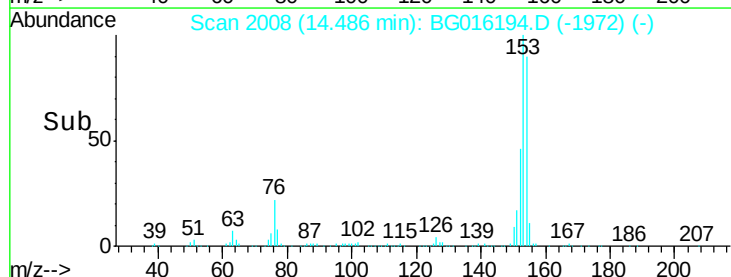
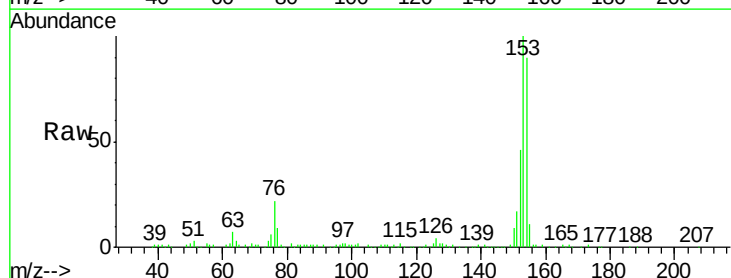
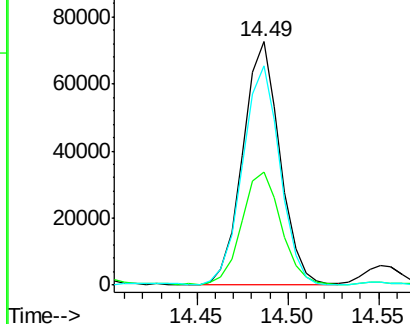
Delta R.T. 0.01 min

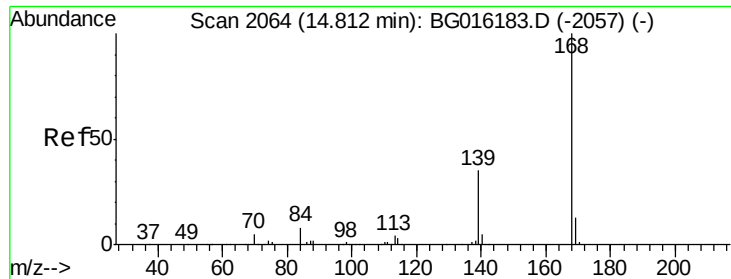
Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Tgt Ion:	153	Resp:	102366
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.4	56.2
154	90.1	74.4	111.6

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





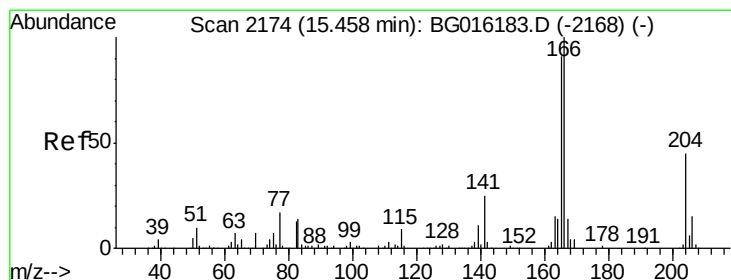
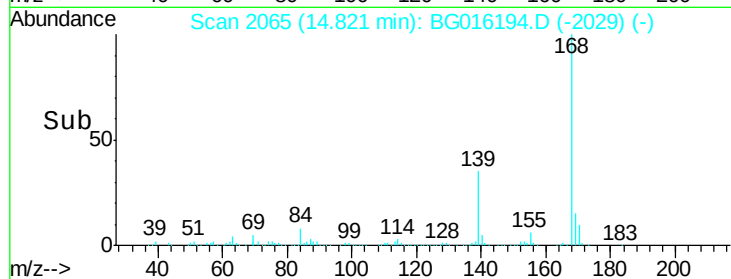
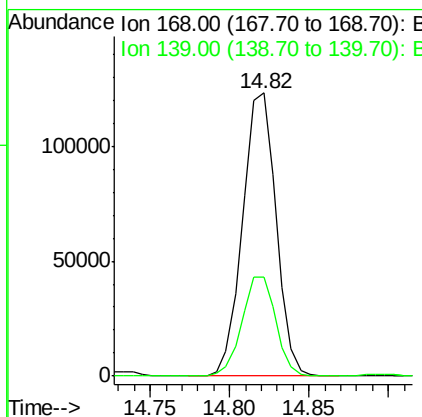
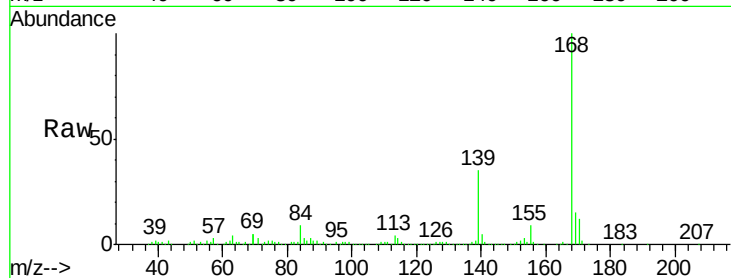
#53
Dibenzenofuran
Concen: 10.39 ng/ul
RT: 14.82 min Scan# 2065
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Instrument :
BNA_G
ClientSampled :
C0AD0

Tgt Ion:168 Resp: 180379
Ion Ratio Lower Upper
168 100
139 35.1 29.1 43.7

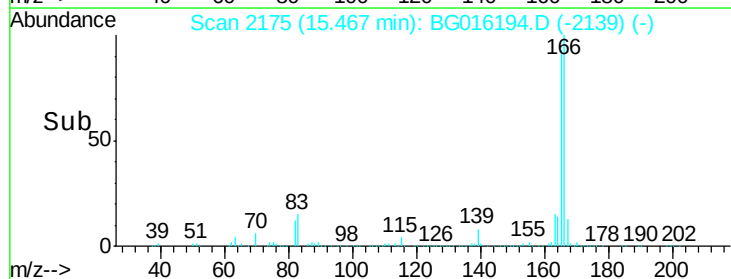
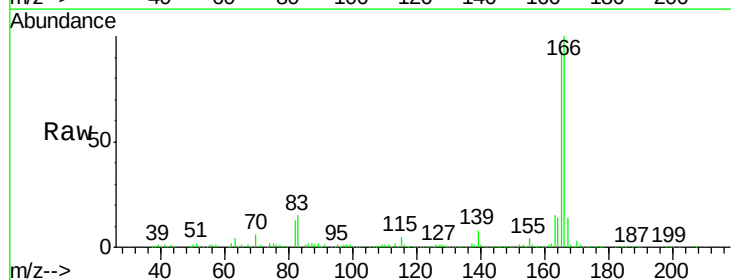
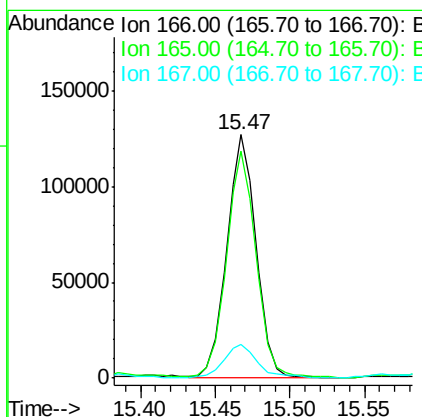
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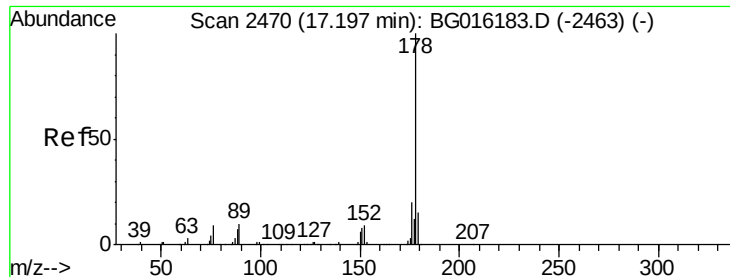
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#58
Fluorene
Concen: 11.44 ng/ul
RT: 15.47 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Tgt Ion:166 Resp: 173348
Ion Ratio Lower Upper
166 100
165 93.3 76.1 114.1
167 13.7 10.5 15.7





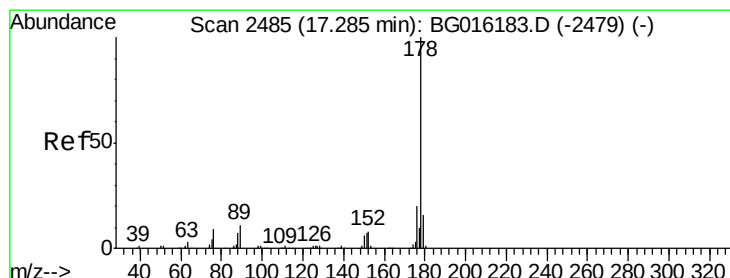
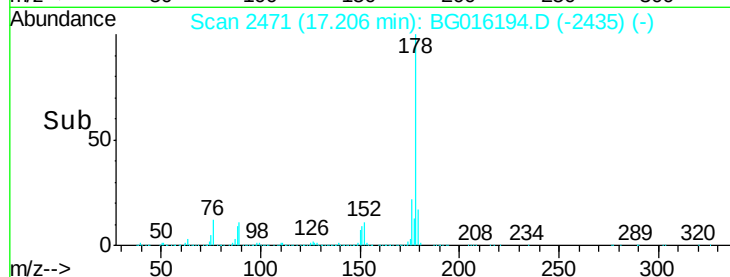
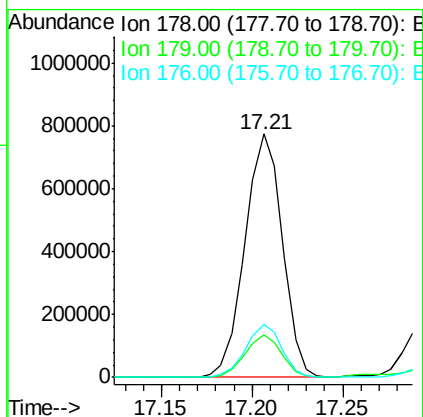
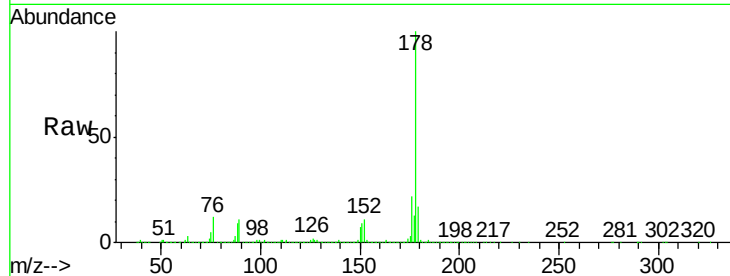
#69
Phenanthrene
Concen: 56.07 ng/ul
RT: 17.21 min Scan# 2471
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Instrument :
BNA_G
ClientSampled :
C0AD0

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.8	19.2
176	21.7	15.6	23.4

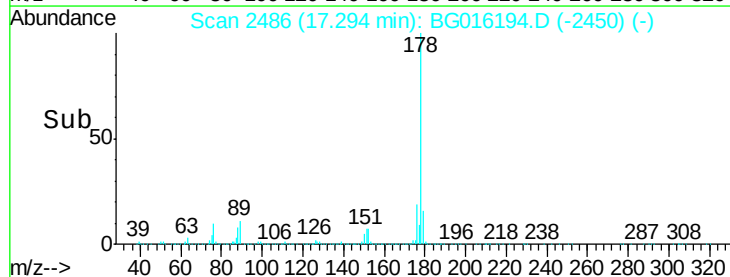
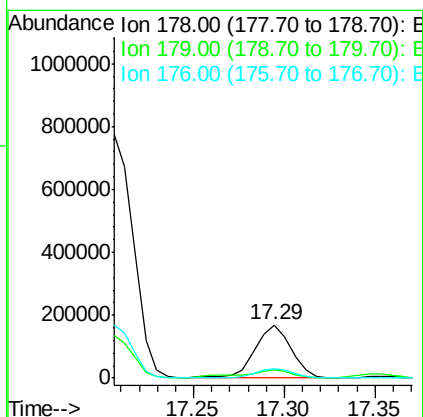
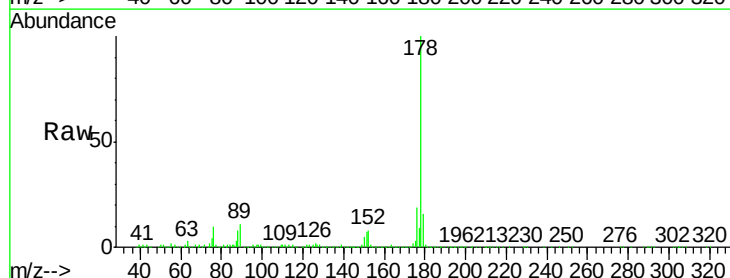
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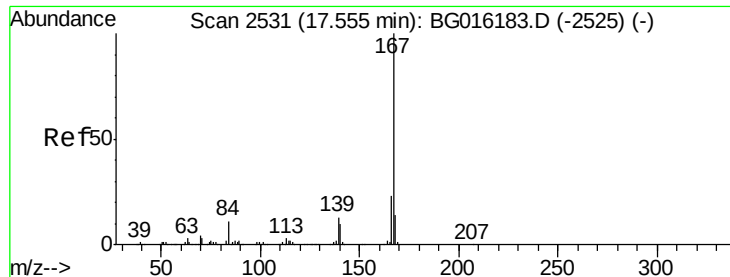
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#71
Anthracene
Concen: 11.53 ng/ul
RT: 17.29 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.7	19.1
176	18.7	15.3	22.9





#72

Carbazole

Concen: 4.47 ng/ul

RT: 17.56 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BG016194.D

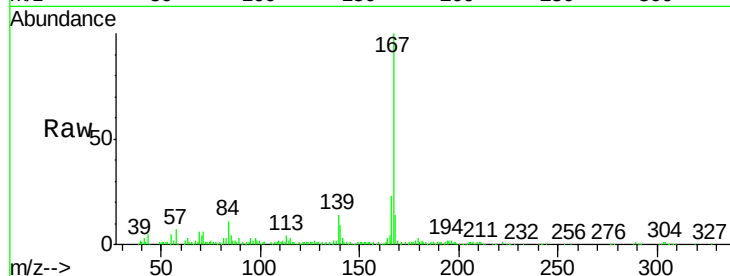
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Instrument :

BNA_G

ClientSampleId :

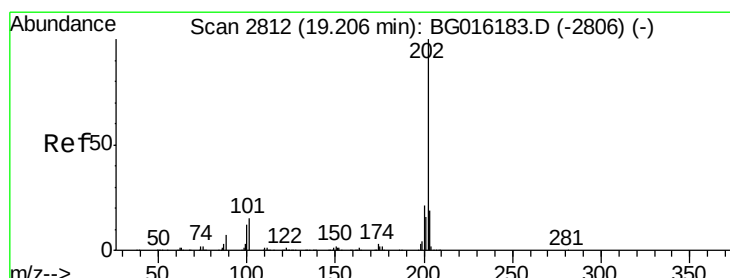
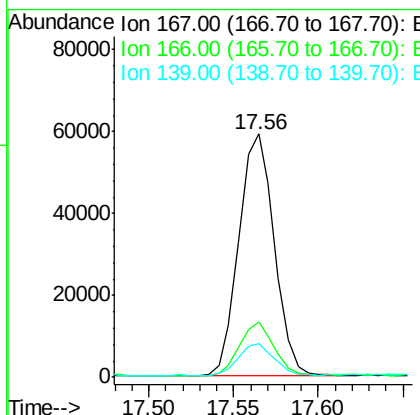
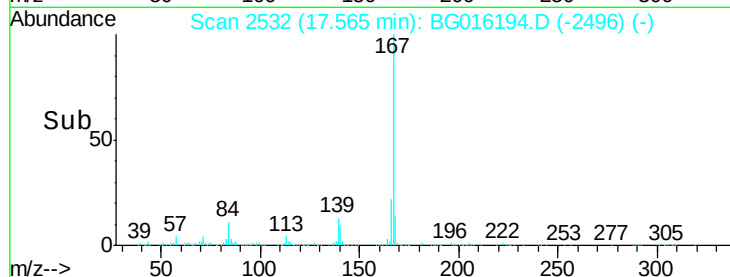
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Tgt Ion:	167	Resp:	86356
Ion Ratio	Lower	Upper	
167	100		
166	22.8	18.2	27.2
139	13.7	10.0	15.0

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#74

Fluoranthene

Concen: 47.84 ng/ul

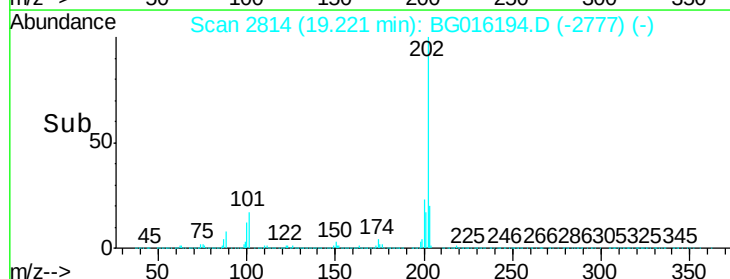
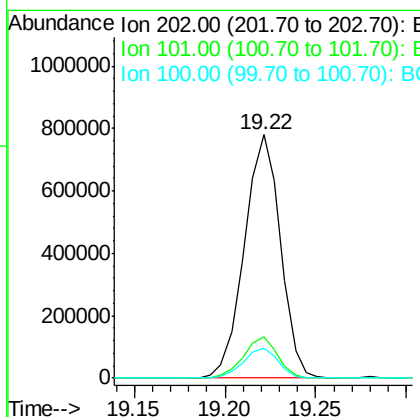
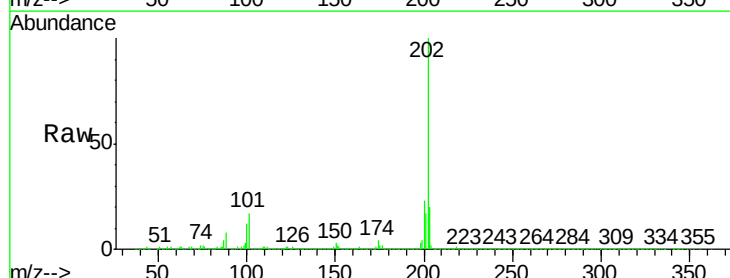
RT: 19.22 min Scan# 2814

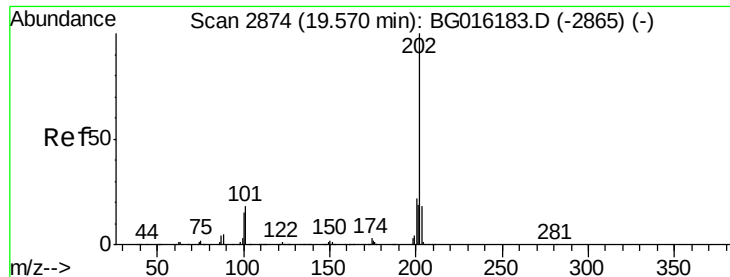
Delta R.T. 0.02 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Tgt Ion:	202	Resp:	1069825
Ion Ratio	Lower	Upper	
202	100		
101	16.9	12.9	19.3
100	12.5	9.4	14.2





#77

Pyrene

Concen: 40.57 ng/ul

RT: 19.59 min Scan# 2876

Delta R.T. 0.02 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

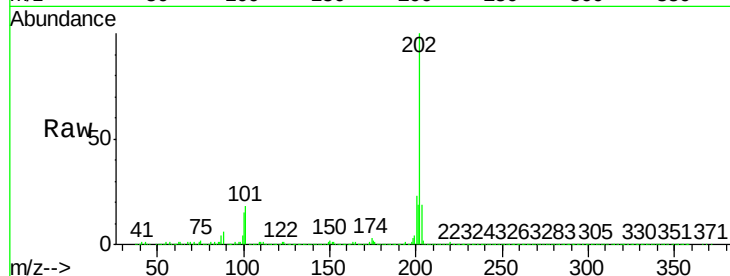
ClientSampleId :

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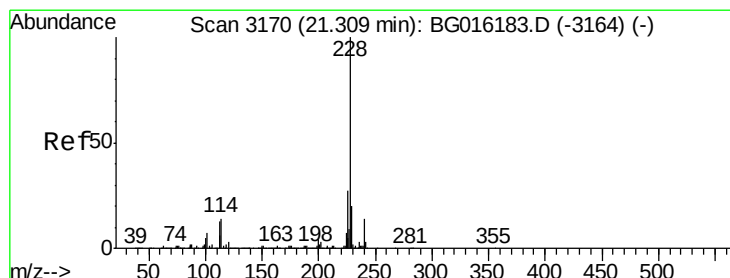
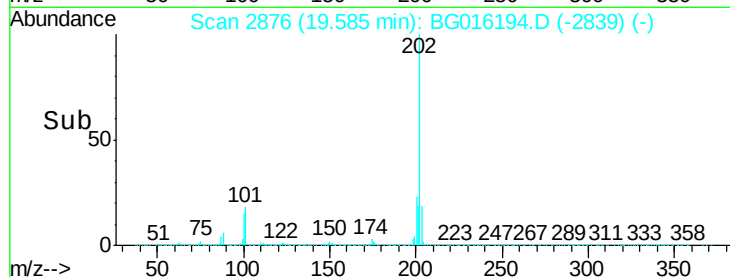
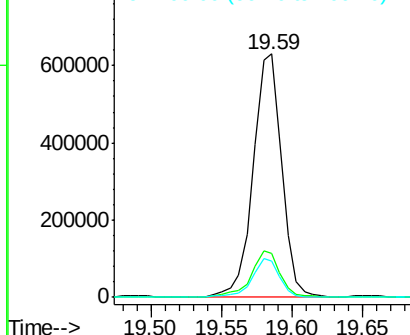
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		896501		
101	17.8	14.6	21.8		
100	14.6	12.1	18.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 22.25 ng/ul

RT: 21.32 min Scan# 3171

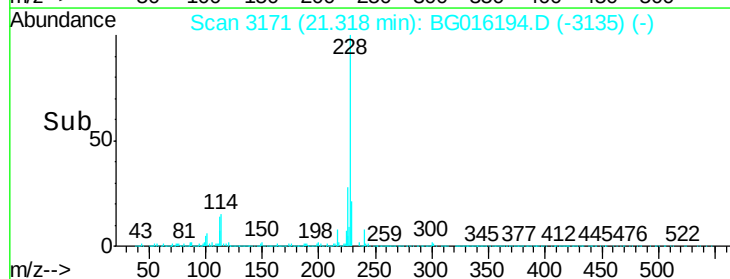
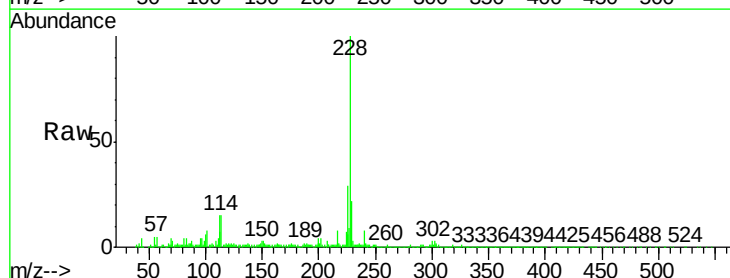
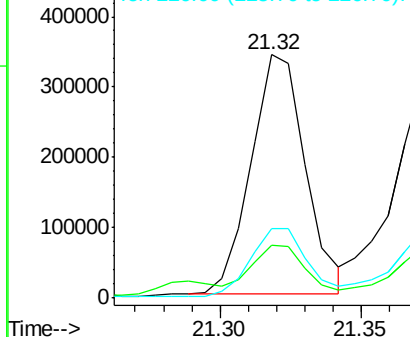
Delta R.T. 0.01 min

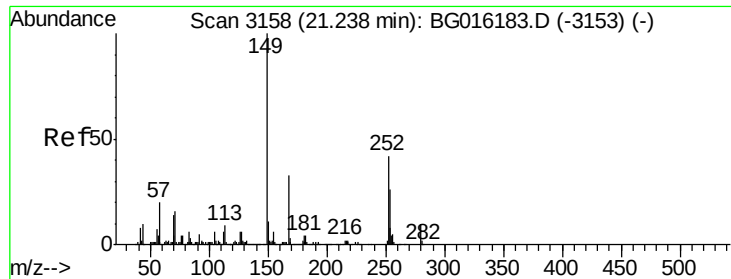
Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		452633		
229	21.7	16.2	24.4		
226	28.6	22.4	33.6		

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





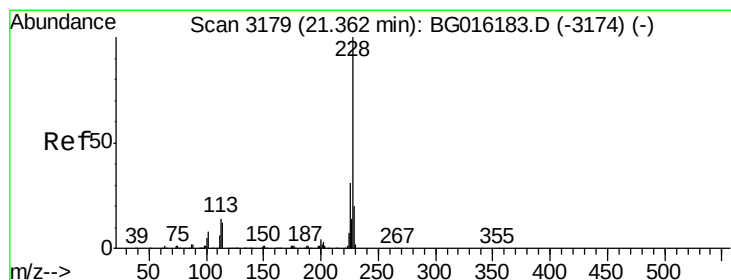
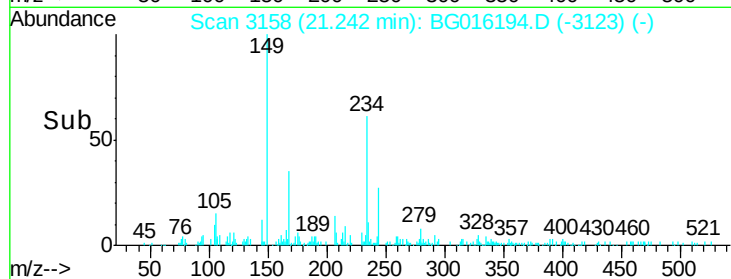
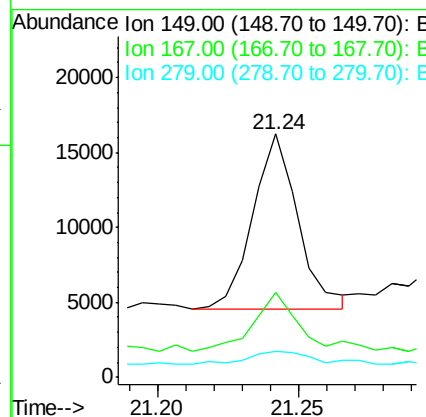
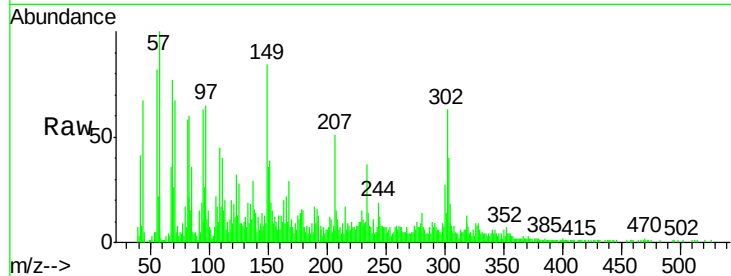
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.05 ng/ul
 RT: 21.24 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: BG016194.D
 Acq: 28 Mar 2015 2:24

Instrument :
 BNA_G
 ClientSampleId :
 C0AD0

Tgt Ion	Ratio	Lower	Upper
149	100		
167	35.1	26.6	39.8
279	10.9	6.5	9.7

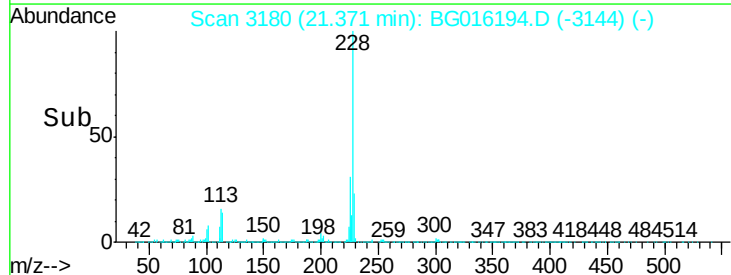
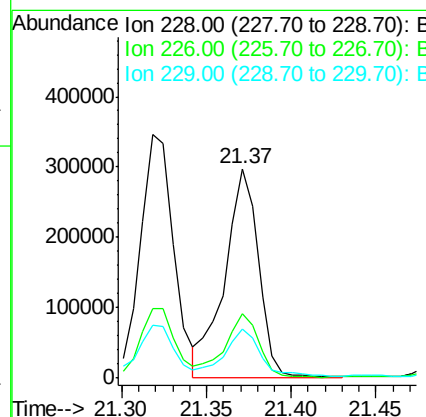
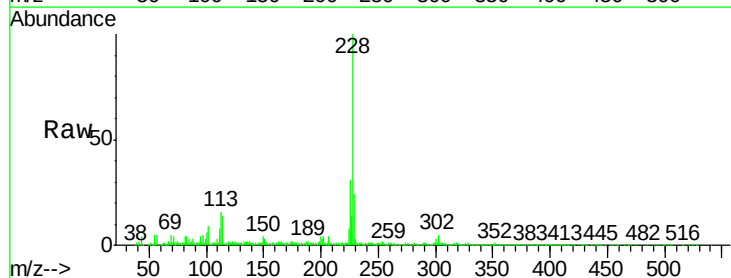
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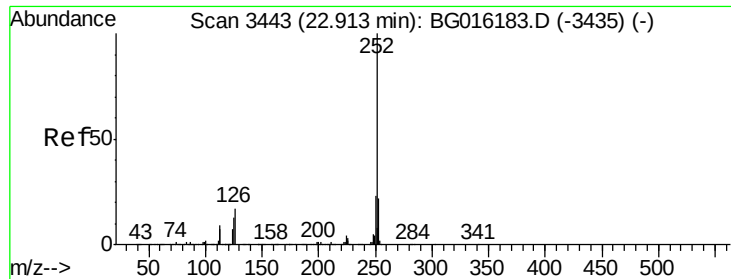
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#82
 Chrysene
 Concen: 21.29 ng/ul
 RT: 21.37 min Scan# 3180
 Delta R.T. 0.01 min
 Lab File: BG016194.D
 Acq: 28 Mar 2015 2:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	36.8
229	23.6	16.6	25.0





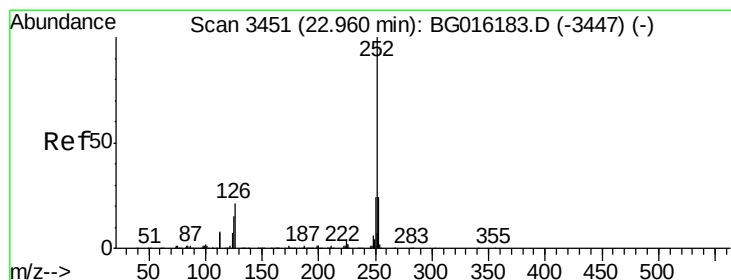
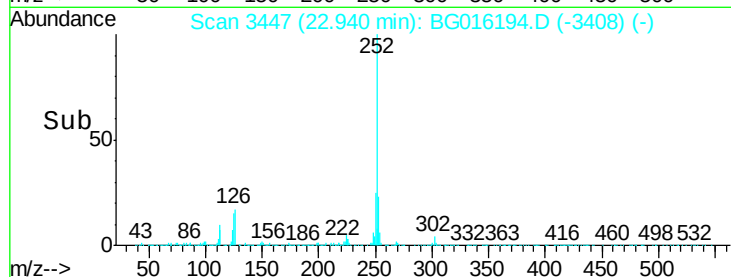
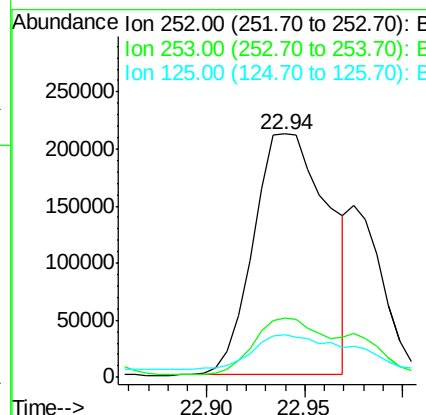
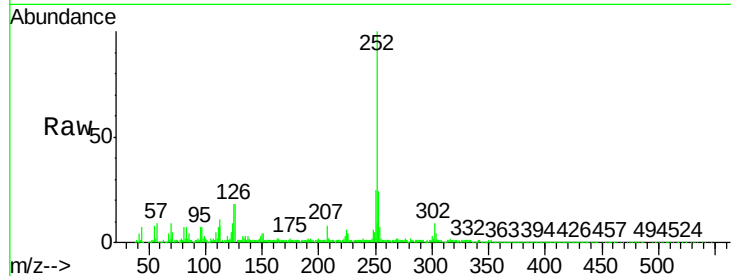
#85
Benzo(b)fluoranthene
Concen: 27.57 ng/ul
RT: 22.94 min Scan# 3447
Delta R.T. 0.03 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Instrument :
BNA_G
ClientSampleId :
C0AD0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	17.5	11.0	16.6

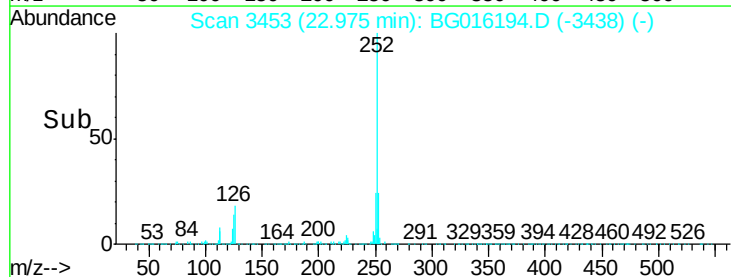
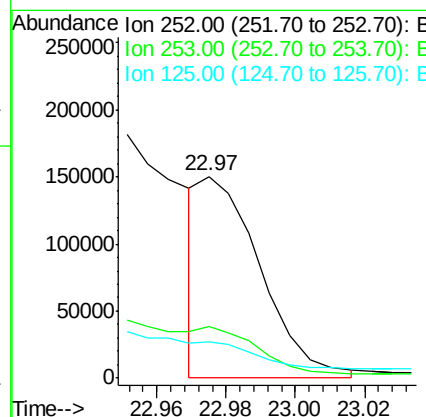
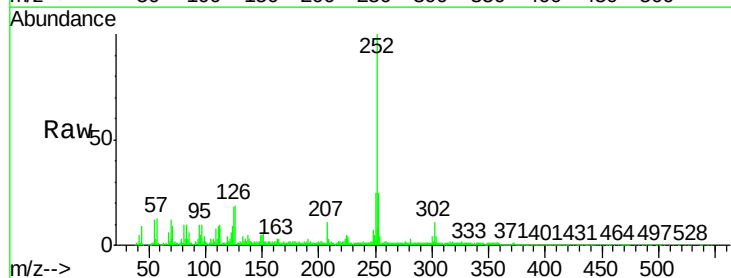
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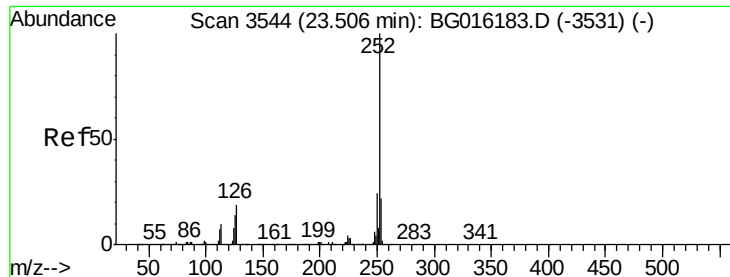
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#86
Benzo(k)fluoranthene
Concen: 9.07 ng/ul m
RT: 22.97 min Scan# 3453
Delta R.T. 0.02 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.6
125	18.2	10.7	16.1





#88

Benzo(a)pyrene

Concen: 18.74 ng/ul

RT: 23.53 min Scan# 3548

Delta R.T. 0.03 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

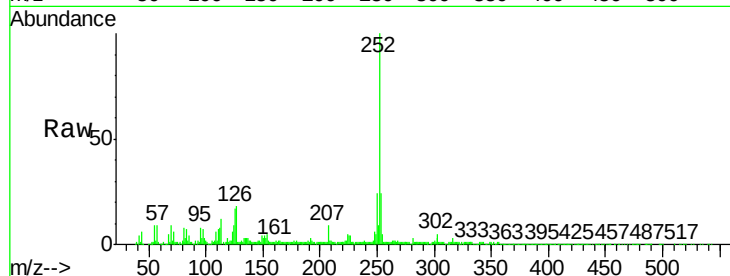
ClientSampleId :

C0AD0

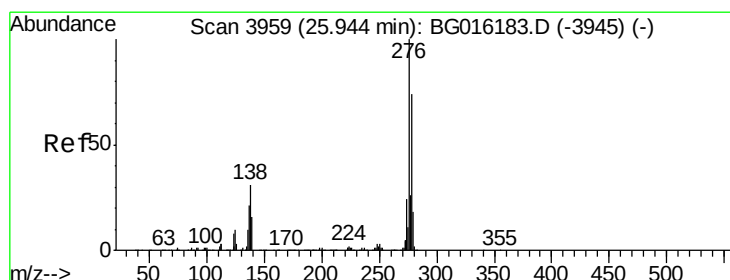
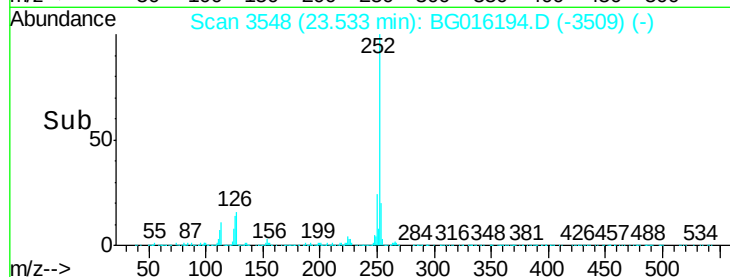
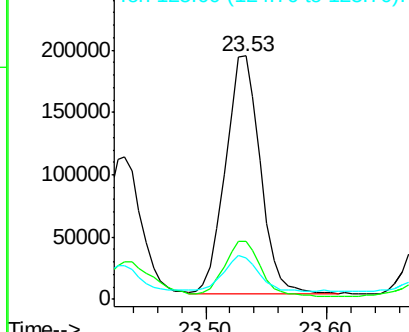
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	381331		
253	23.7	17.6	26.4	
125	17.1	11.5	17.3	

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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



#89

Indeno(1,2,3-cd)pyrene

Concen: 7.81 ng/ul

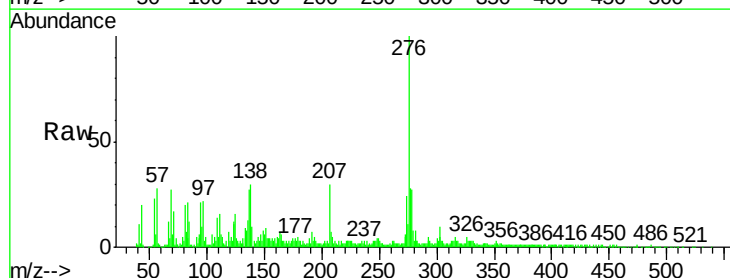
RT: 25.98 min Scan# 3965

Delta R.T. 0.04 min

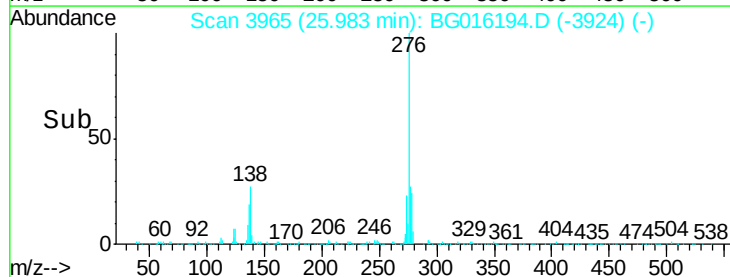
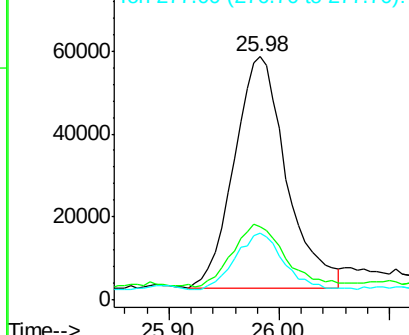
Lab File: BG016194.D

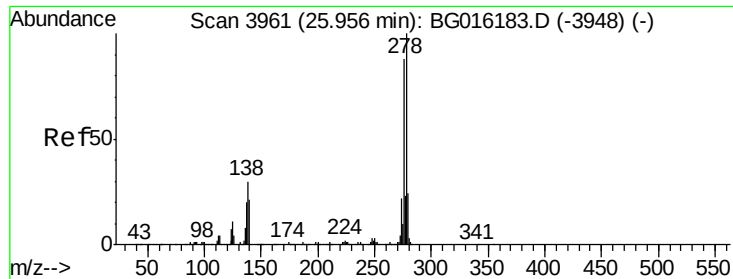
Acq: 28 Mar 2015 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	183898		
138	29.9	26.1	39.1	
277	27.7	20.0	30.0	



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





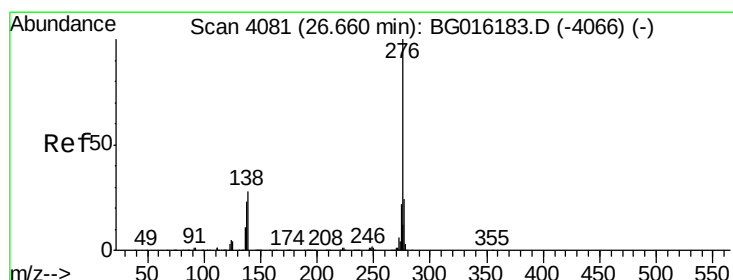
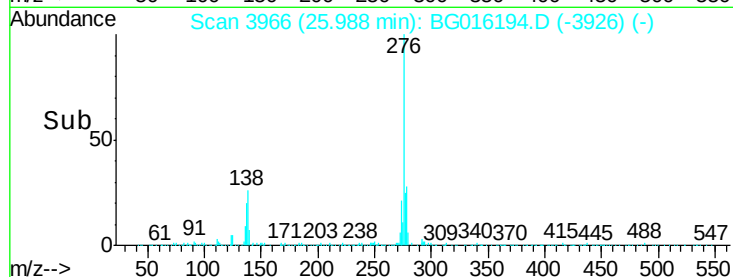
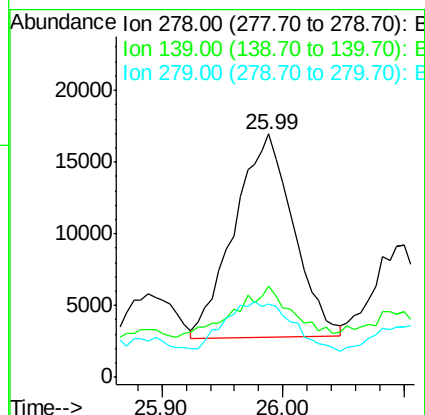
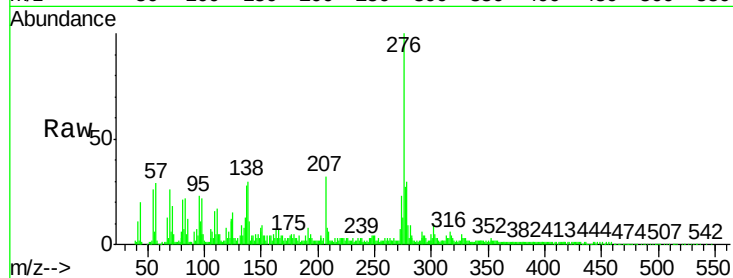
#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng/ul
RT: 25.99 min Scan# 3966
Delta R.T. 0.03 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Instrument :
BNA_G
ClientSampleId :
C0AD0

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.6	17.8	26.6#
279	30.2	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 6.33 ng/ul m
RT: 26.71 min Scan# 4089
Delta R.T. 0.05 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	22.0	33.0
277	26.4	19.0	28.4

