

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
 Data File : BG022044.D
 Acq On : 23 May 2016 12:37
 Operator : UM/SJ
 Sample : H3086-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHGF5

Manual Integrations
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Quant Time: May 24 07:30:45 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 17:16:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	36431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	191871	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	102343	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	188292	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	174167	20.00	ng/ul	0.00
83) Perylene-d12	25.15	264	163279	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	3314	4.74	ng/uL	0.00
5) Phenol-d5	7.31	99	67239	20.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	38082	22.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	60890	22.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	56917	20.39	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	31628	22.35	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	33599	21.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	58596	21.67	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	57223	19.43	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	185877	24.18	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	248276	23.13	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	16747m	12.65	ng/ul	0.00
57) Fluorene-d10	15.77	176	163037	22.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	14601	14.83	ng/ul	0.00
70) Anthracene-d10	17.63	188	215423	23.84	ng/ul	0.00
76) Pyrene-d10	19.90	212	226947	23.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.92	264	192591	25.42	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.03	128	76974	7.91	ng/ul	98
34) 2-Methylnaphthalene	12.62	142	22754	3.27	ng/ul	93
44) Dimethylphthalate	14.22	163	62756	8.12	ng/ul#	98
49) Acenaphthene	14.85	153	27398	3.63	ng/ul	98
53) Dibenzofuran	15.18	168	41168	4.41	ng/ul	97
58) Fluorene	15.83	166	55194	7.00	ng/ul	97
69) Phenanthrene	17.57	178	569572	54.38	ng/ul	98
71) Anthracene	17.66	178	100000	9.43	ng/ul	95
72) Carbazole	17.93	167	68241	7.42	ng/ul	99
74) Fluoranthene	19.57	202	482191	45.05	ng/ul	98
77) Pyrene	19.93	202	462163	37.71	ng/ul	98
80) Benzo(a)anthracene	21.79	228	166537	16.30	ng/ul	97
82) Chrysene	21.86	228	167709m	17.12	ng/ul	
85) Benzo(b)fluoranthene	24.08	252	174042m	18.21	ng/ul	
86) Benzo(k)fluoranthene	24.13	252	67540m	7.26	ng/ul	
88) Benzo(a)pyrene	24.99	252	149360	16.20	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.97	276	74853	7.08	ng/ul	99
90) Dibenzo(a,h)anthracene	29.01	278	20041m	2.27	ng/ul	
91) Benzo(g,h,i)perylene	30.15	276	75555m	8.92	ng/ul	

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

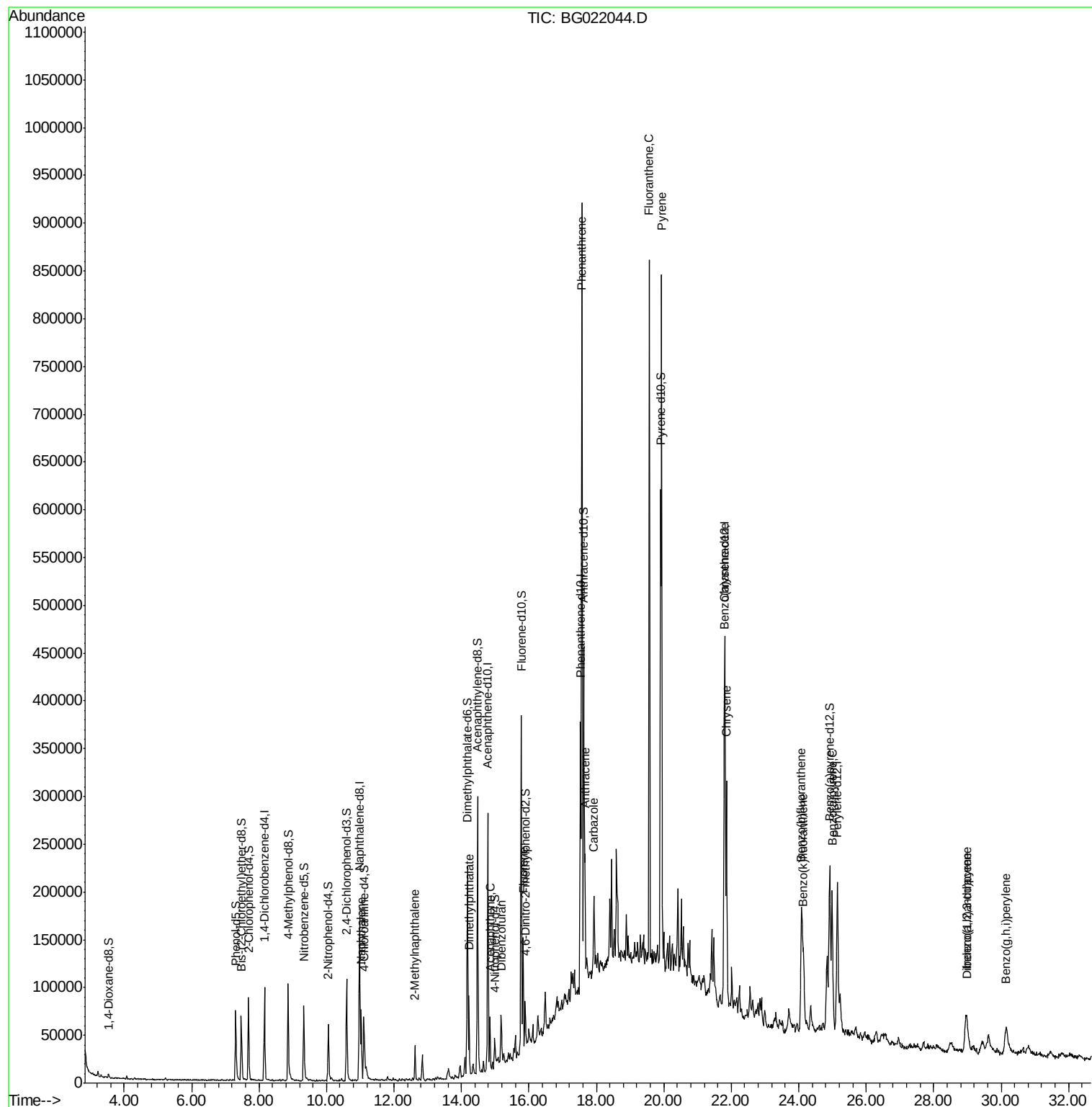
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022044.D
Acq On : 23 May 2016 12:37
Operator : UM/SJ
Sample : H3086-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

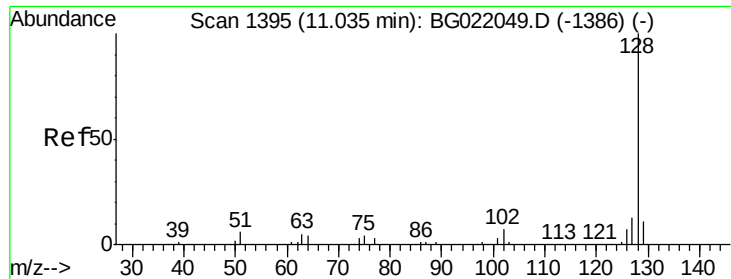
Instrument :
BNA_G
ClientSampleId :
JHGF5

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Quant Time: May 24 07:30:45 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
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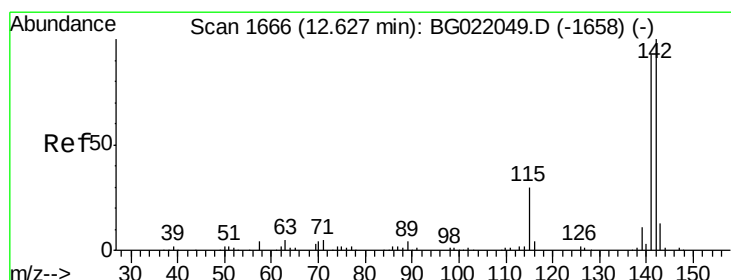
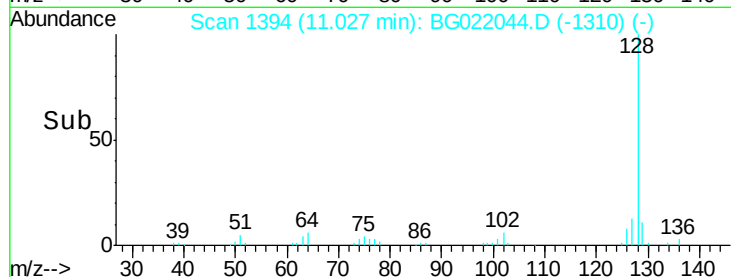
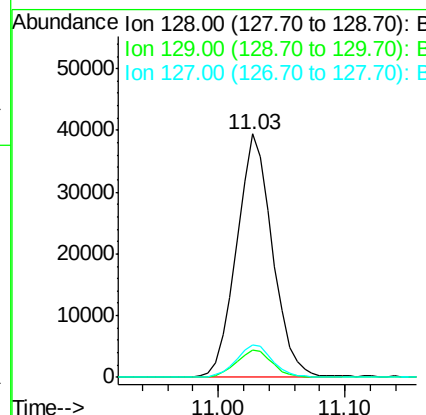
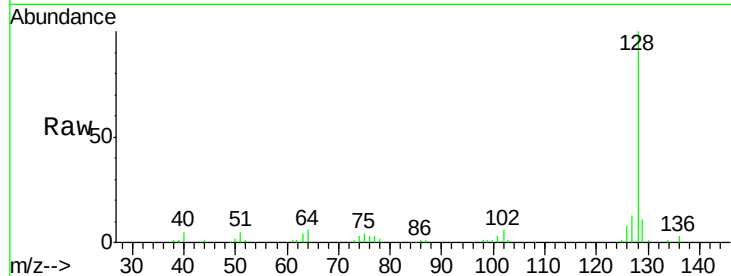
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Naphthalene
Concen: 7.91 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Instrument :
BNA_G
ClientSampled :
JHGF5

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	13.3	11.2	16.8

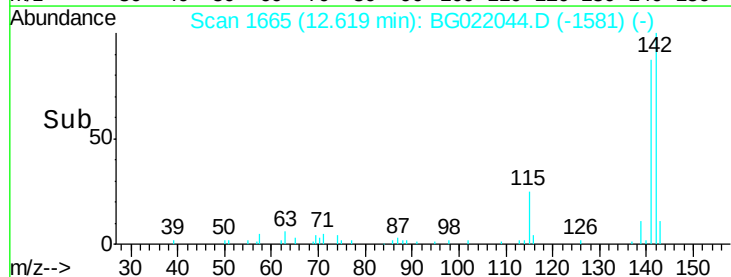
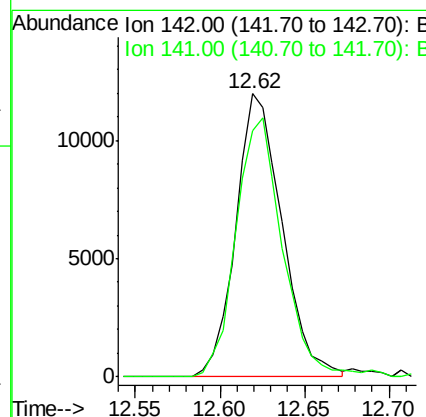
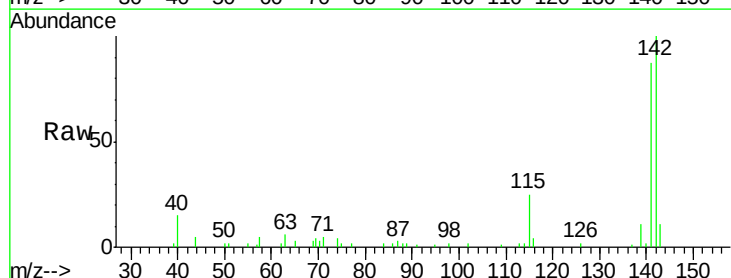
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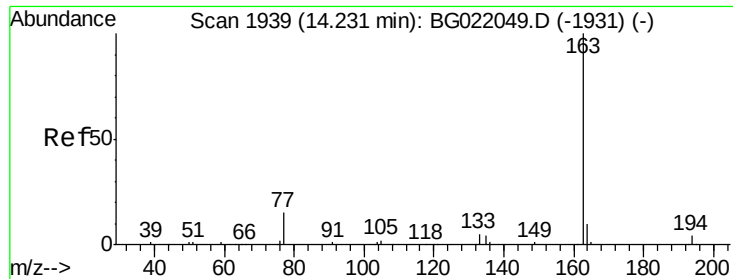
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#34
2-Methylnaphthalene
Concen: 3.27 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	75.2	112.8





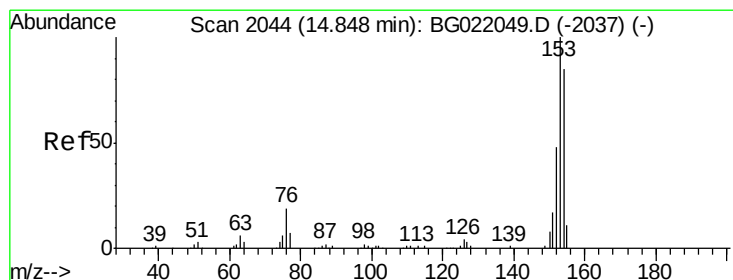
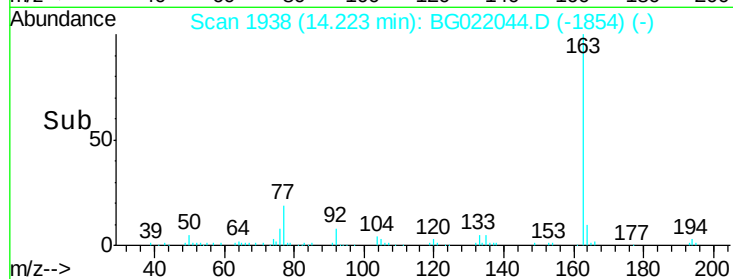
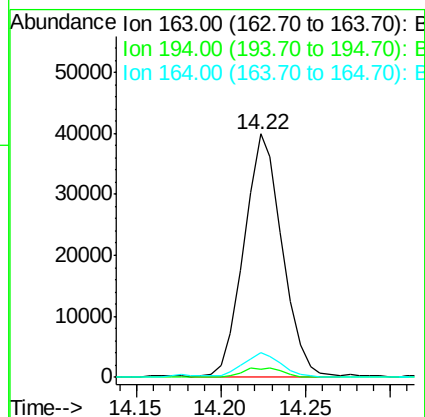
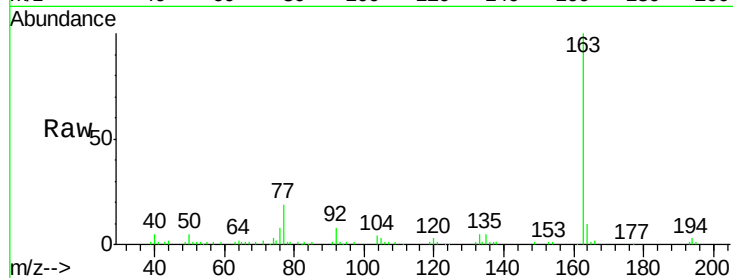
#44
Dimethylphthalate
Concen: 8.12 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Instrument :
BNA_G
ClientSampled :
JHGF5

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	62756		
194	3.4		3.4	5.2#
164	10.4		8.8	13.2

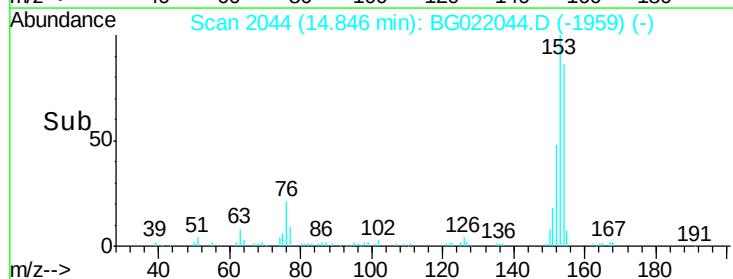
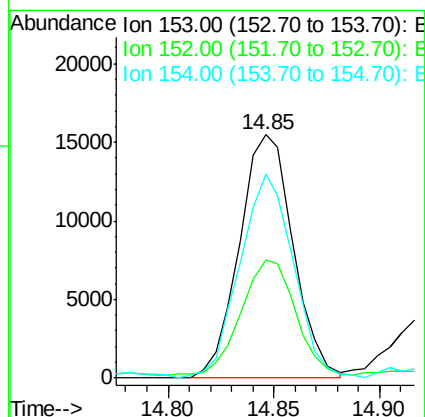
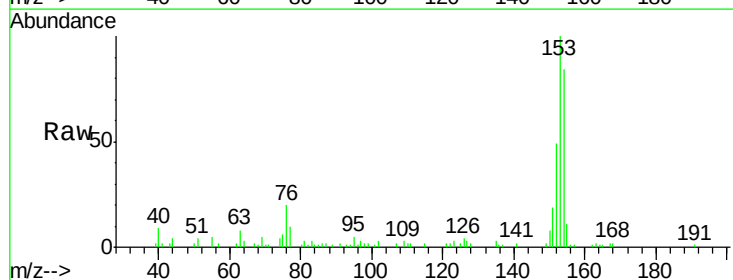
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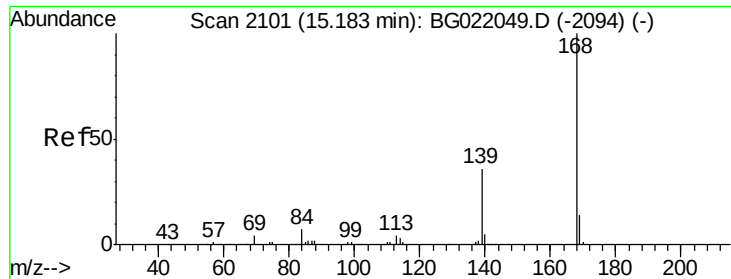
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#49
Acenaphthene
Concen: 3.63 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	27398		
152	48.6		37.3	55.9
154	84.0		68.2	102.2





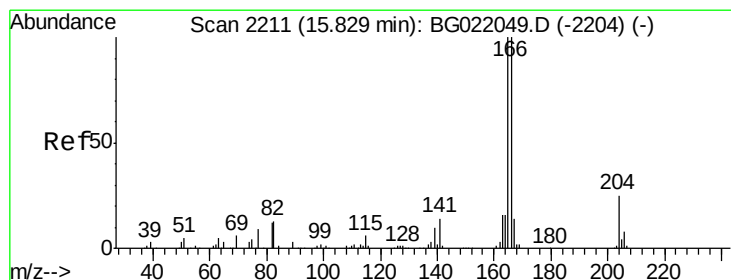
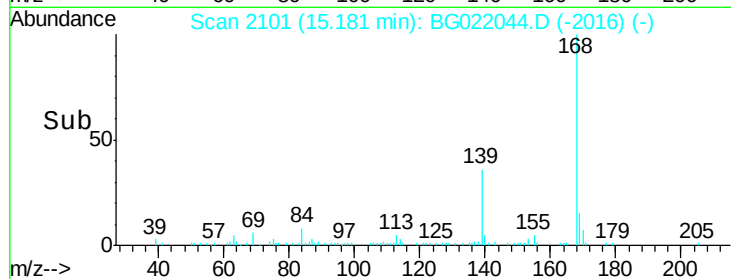
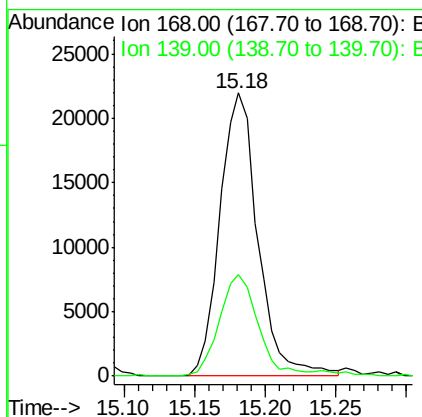
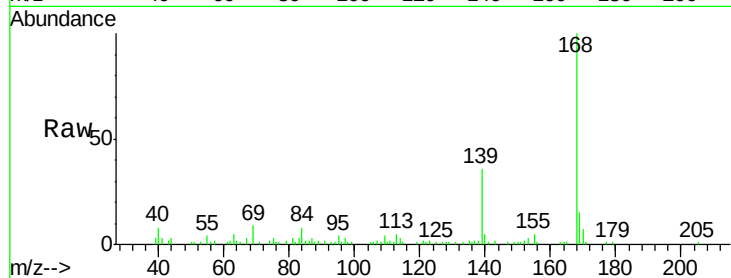
#53
Dibenzenofuran
Concen: 4.41 ng/ul
RT: 15.18 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:168 Resp: 41168
Ion Ratio Lower Upper
168 100
139 35.8 27.4 41.0

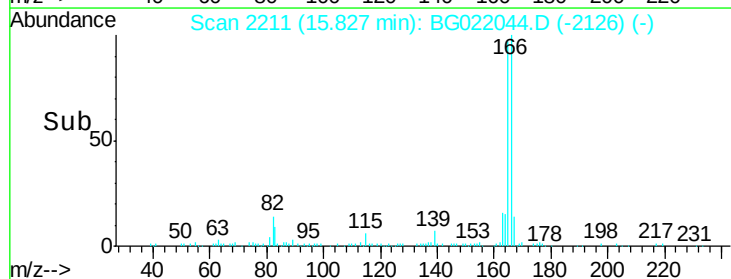
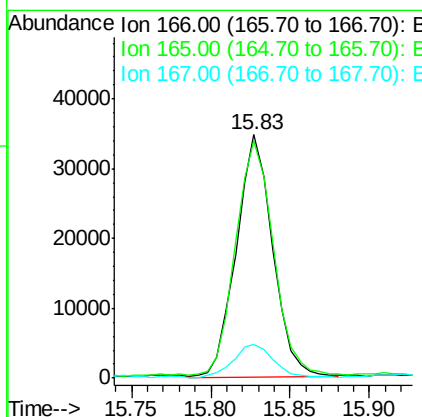
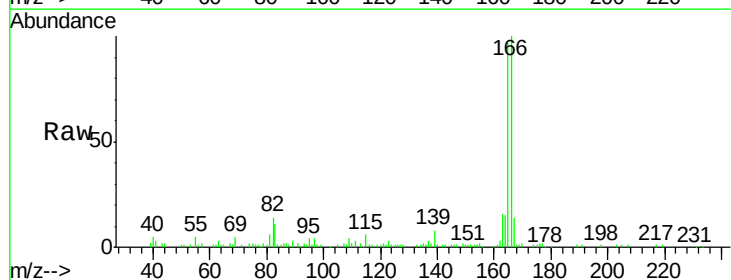
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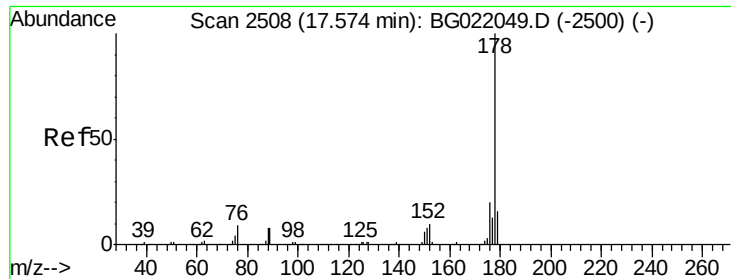
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#58
Fluorene
Concen: 7.00 ng/ul
RT: 15.83 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BG022044.D
Acq: 23 May 2016 12:37

Tgt Ion:166 Resp: 55194
Ion Ratio Lower Upper
166 100
165 97.5 80.3 120.5
167 13.8 10.3 15.5





#69

Phenanthrene

Concen: 54.38 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

BNA_G

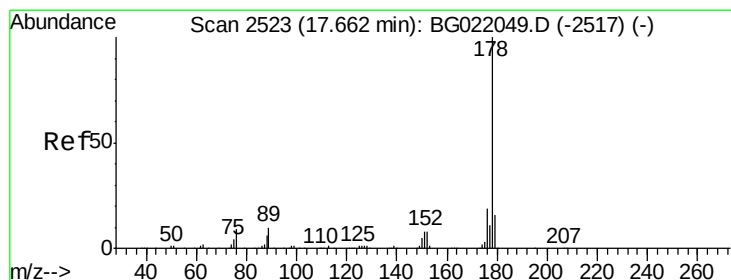
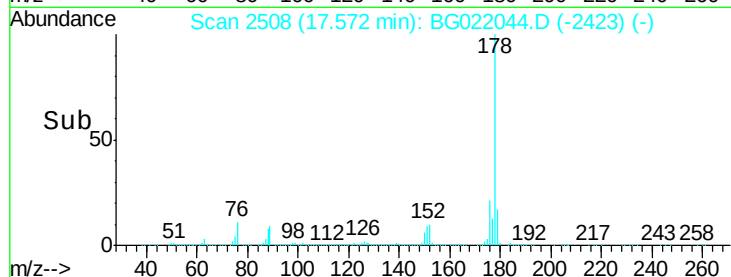
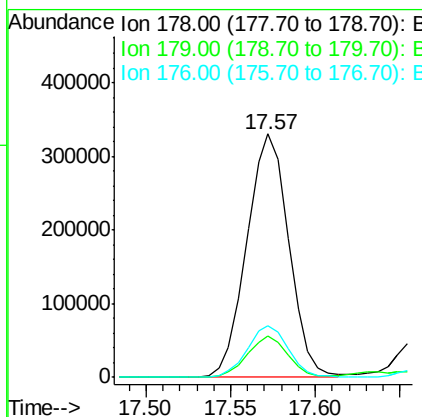
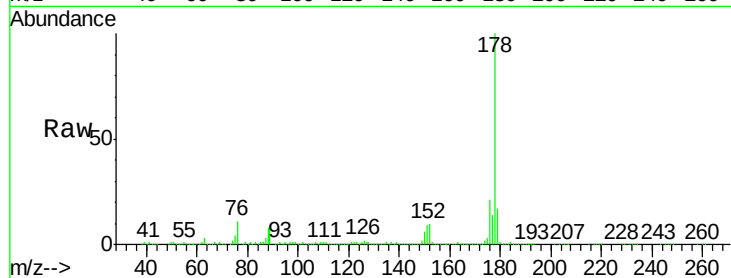
ClientSampleId :

JHGF5

Tgt Ion:	178	Resp:	569572
Ion Ratio	Lower	Upper	
178	100		
179	16.8	12.9	19.3
176	21.2	15.8	23.8

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#71

Anthracene

Concen: 9.43 ng/ul

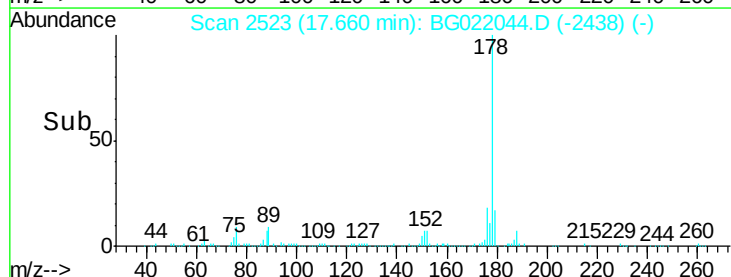
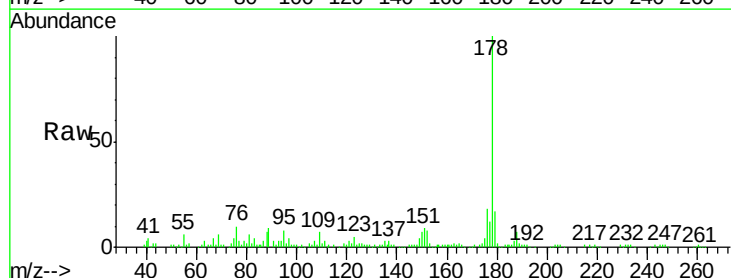
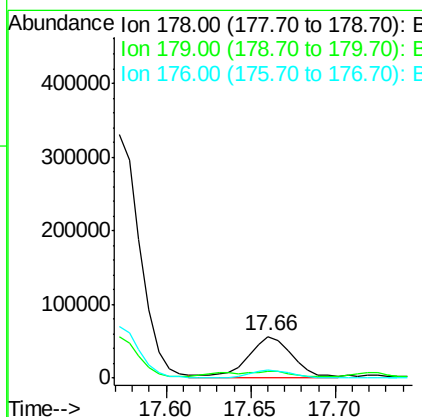
RT: 17.66 min Scan# 2523

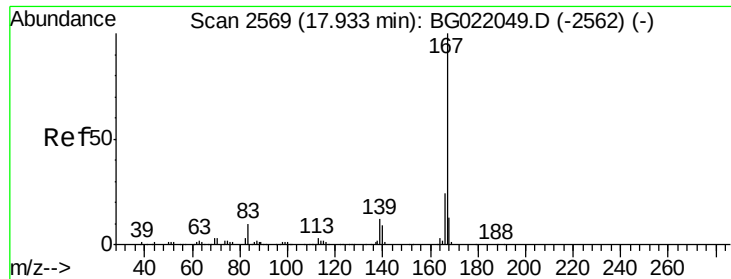
Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Tgt Ion:	178	Resp:	100000
Ion Ratio	Lower	Upper	
178	100		
179	17.5	12.3	18.5
176	18.2	16.3	24.5





#72

Carbazole

Concen: 7.42 ng/ul

RT: 17.93 min Scan# 2569

Delta R.T. -0.00 min

Lab File: BG022044.D

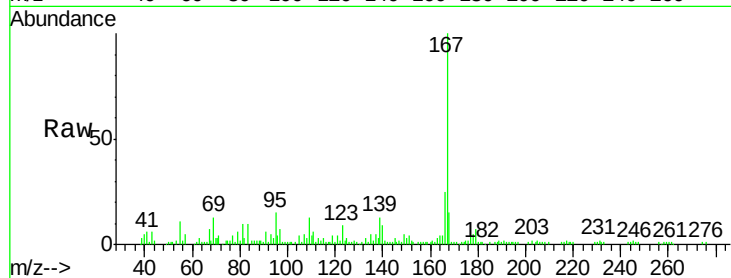
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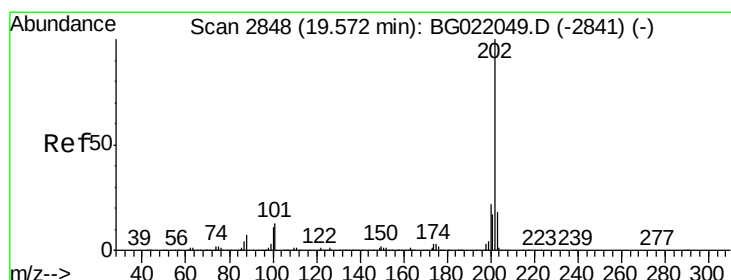
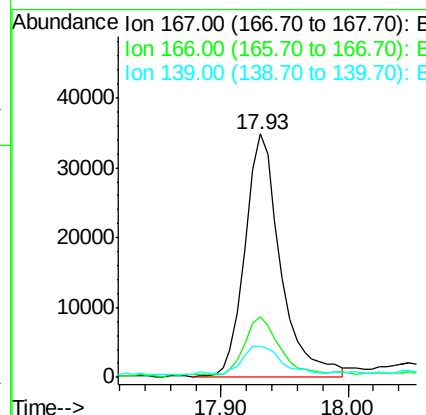
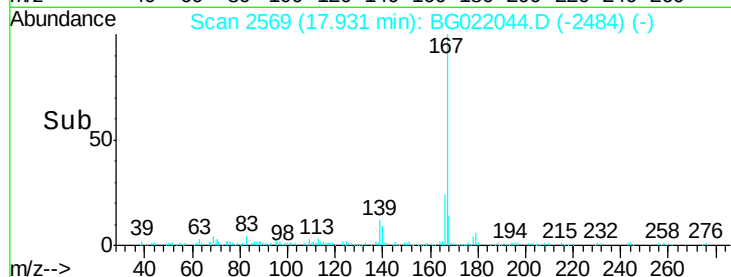
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Tgt Ion:	167	Resp:	68241
Ion Ratio	Lower	Upper	
167	100		
166	24.9	19.2	28.8
139	12.8	10.2	15.4

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#74

Fluoranthene

Concen: 45.05 ng/ul

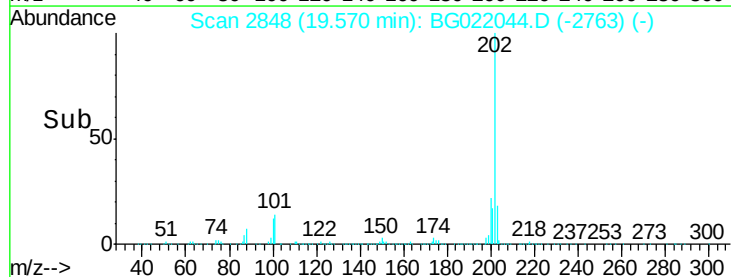
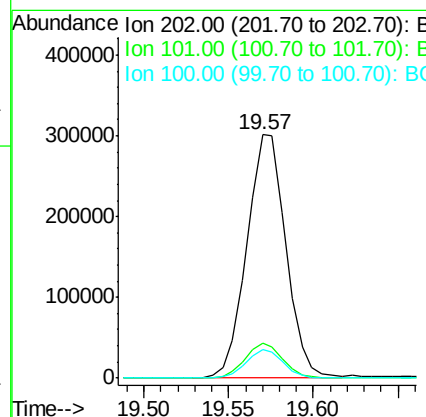
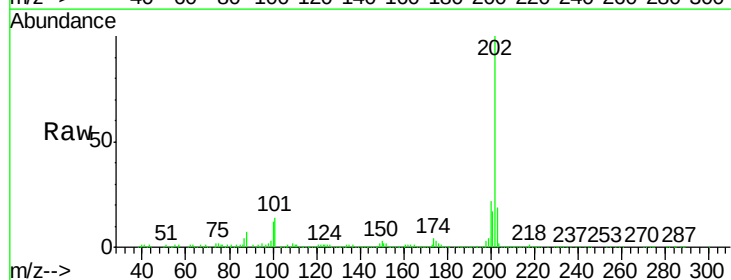
RT: 19.57 min Scan# 2848

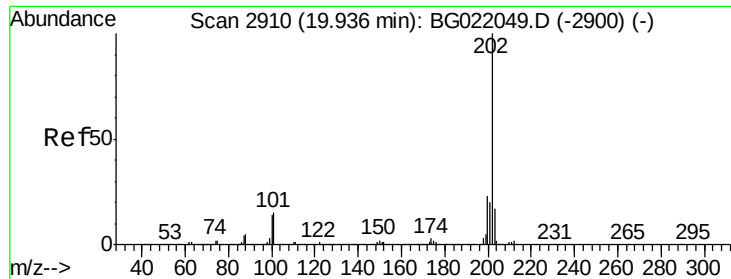
Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Tgt Ion:	202	Resp:	482191
Ion Ratio	Lower	Upper	
202	100		
101	14.4	10.6	16.0
100	11.5	8.7	13.1





#77

Pyrene

Concen: 37.71 ng/ul

RT: 19.93 min Scan# 2910

Delta R.T. -0.00 min

Lab File: BG022044.D

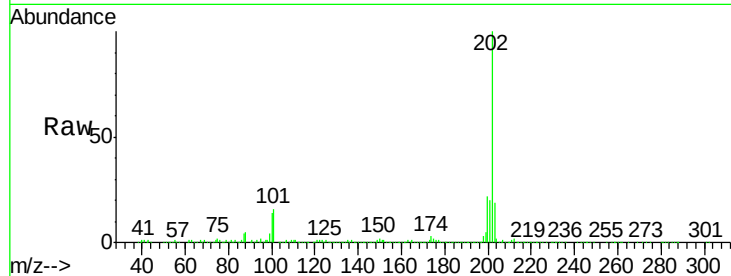
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Instrument :

BNA_G

ClientSampleId :

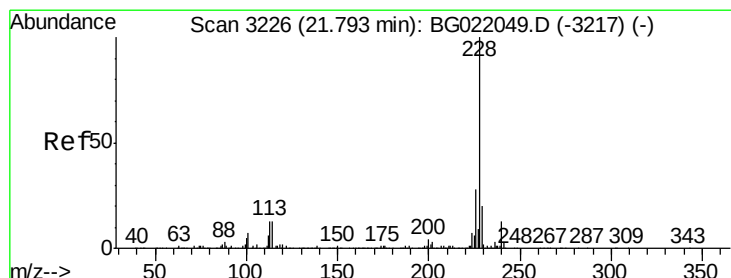
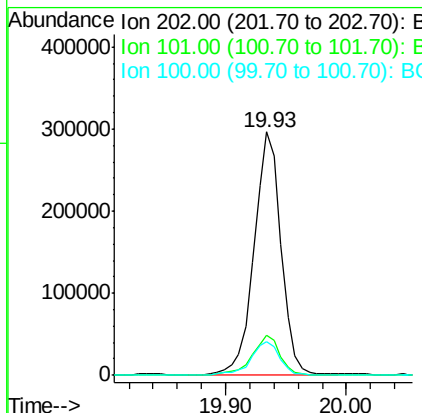
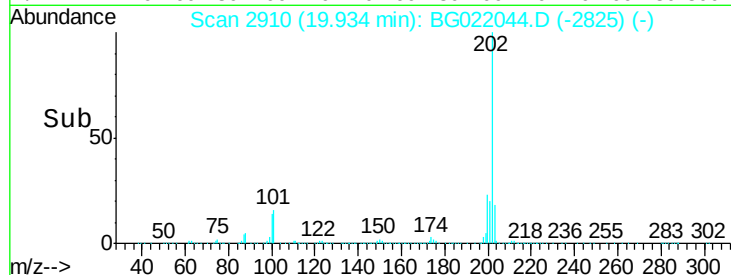
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	462163		
101	16.3	12.5	18.7	
100	13.8	10.2	15.4	

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#80

Benzo(a)anthracene

Concen: 16.30 ng/ul

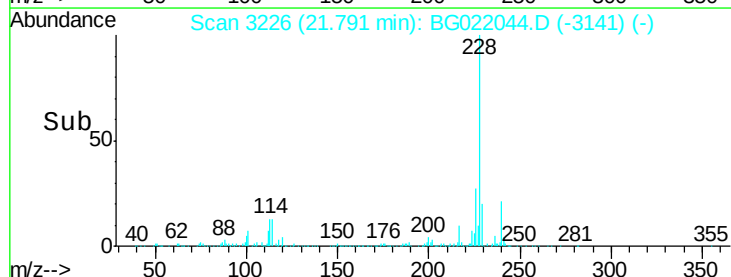
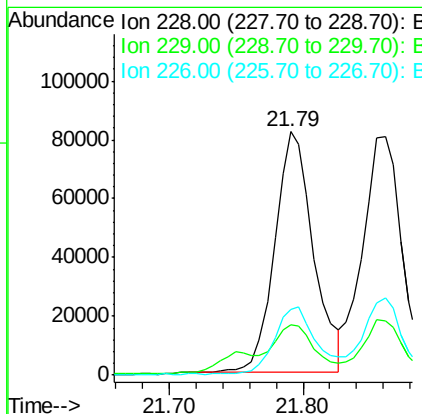
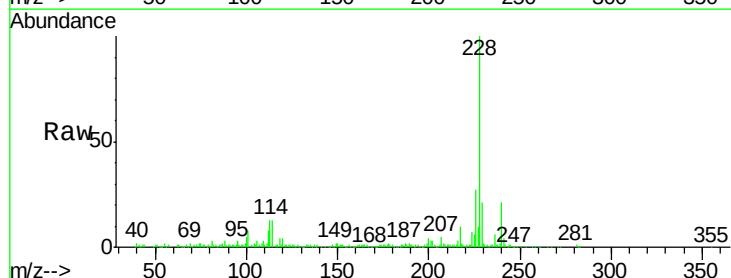
RT: 21.79 min Scan# 3226

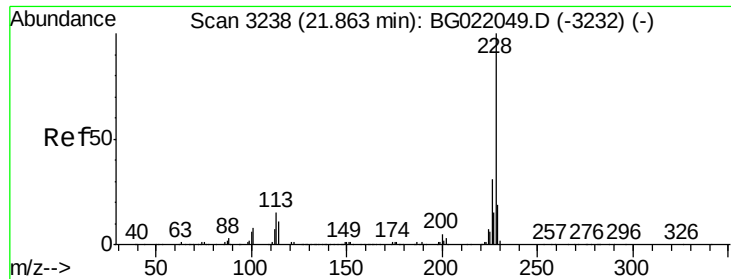
Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	166537		
229	20.8	15.4	23.2	
226	27.0	22.8	34.2	





#82

Chrysene

Concen: 17.12 ng/ul m

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

BNA_G

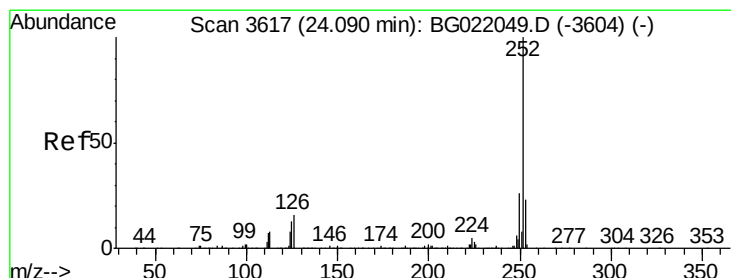
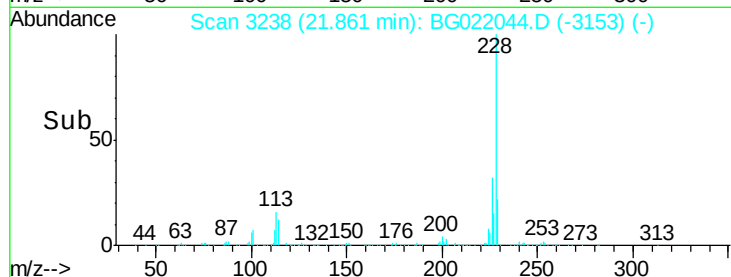
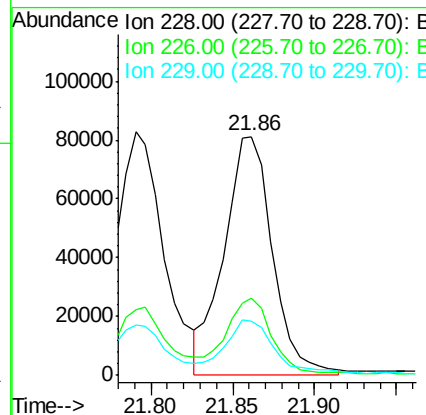
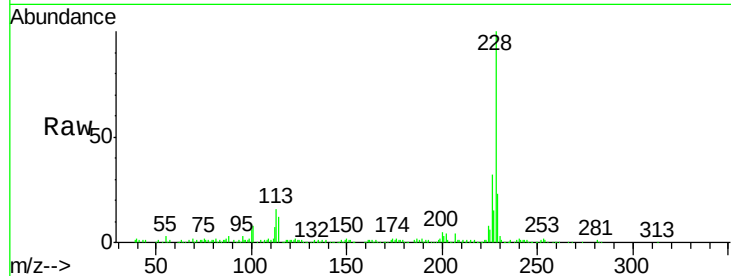
ClientSampled :

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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	167709		
226	32.4	24.2	36.4	
229	22.9	15.0	22.6#	

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#85

Benzo(b)fluoranthene

Concen: 18.21 ng/ul m

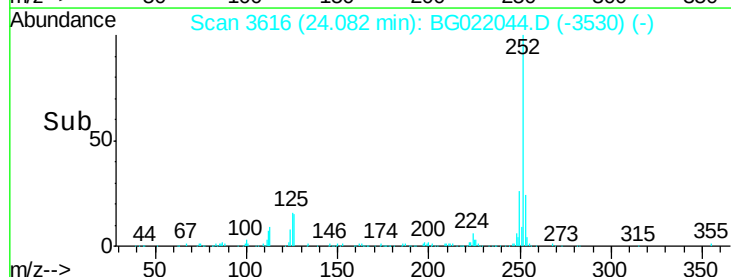
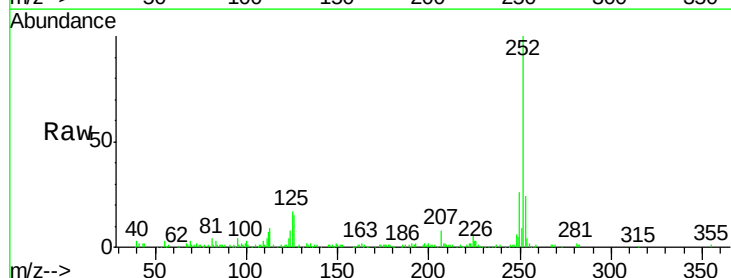
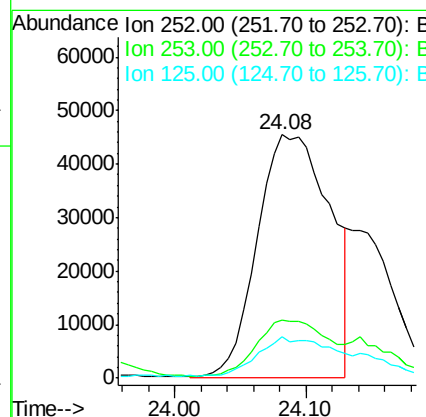
RT: 24.08 min Scan# 3616

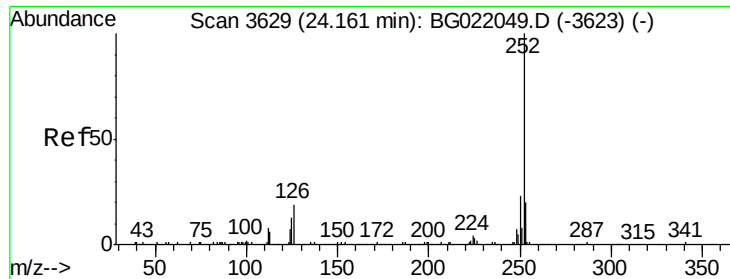
Delta R.T. 0.01 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	174042		
253	23.7	18.2	27.2	
125	17.0	10.8	16.2#	





#86

Benzo(k)fluoranthene

Concen: 7.26 ng/ul m

RT: 24.13 min Scan# 3624

Delta R.T. -0.02 min

Lab File: BG022044.D

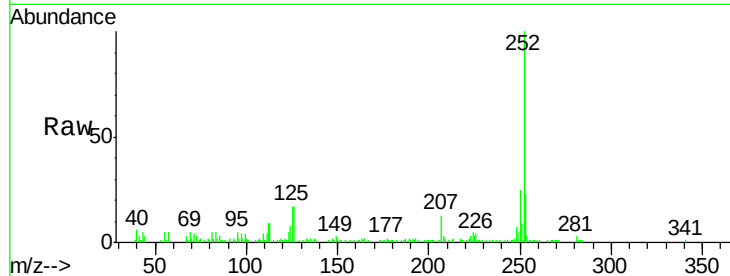
Acq: 23 May 2016 12:37

Instrument :

BNA_G

ClientSampleId :

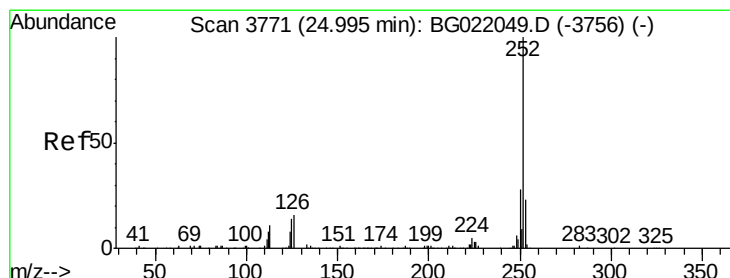
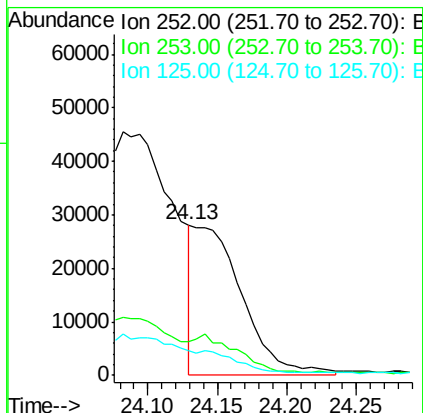
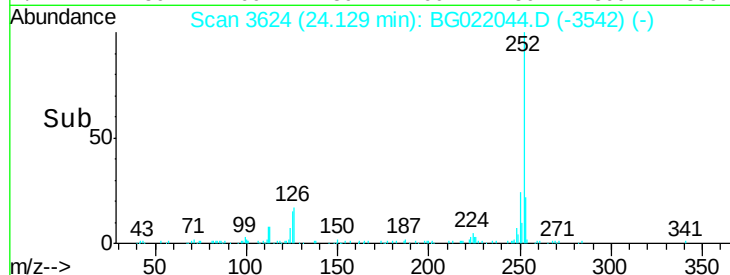
JHGF5



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	15.8	23.6
125	16.6	10.6	16.0

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#88

Benzo(a)pyrene

Concen: 16.20 ng/ul

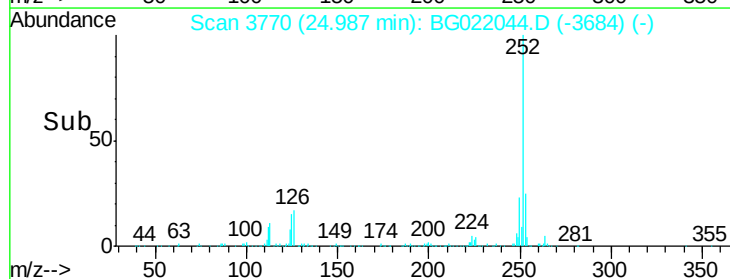
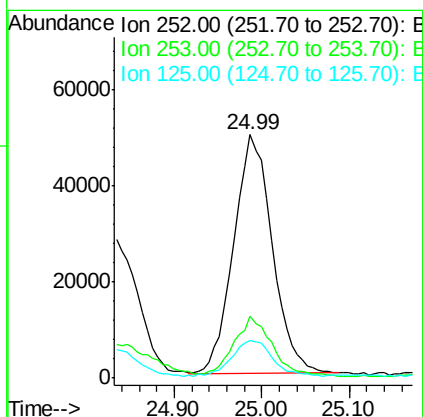
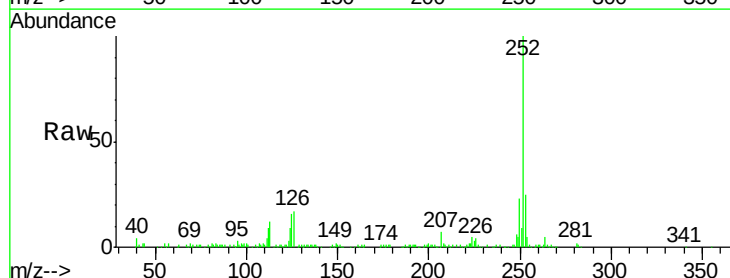
RT: 24.99 min Scan# 3770

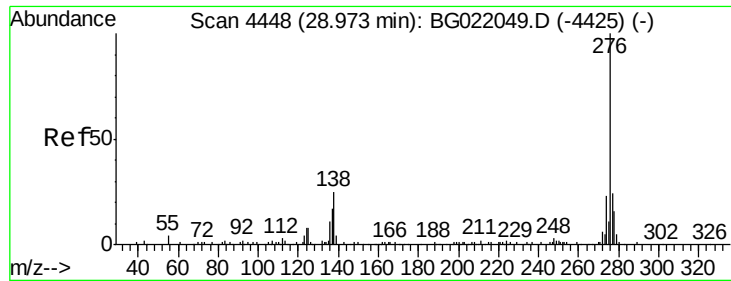
Delta R.T. 0.01 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.0	28.4
125	15.6	12.0	18.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 7.08 ng/ul

RT: 28.97 min Scan# 4448

Delta R.T. 0.01 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Instrument :

BNA_G

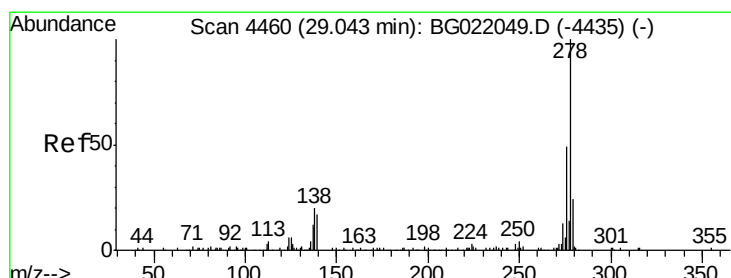
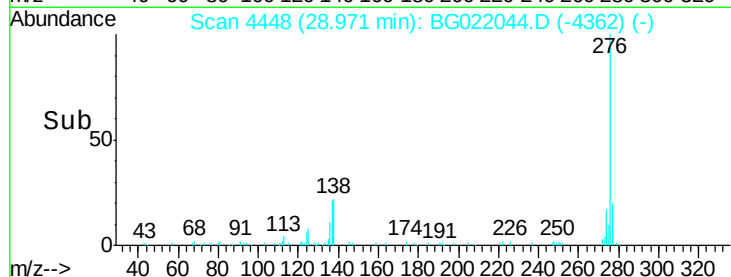
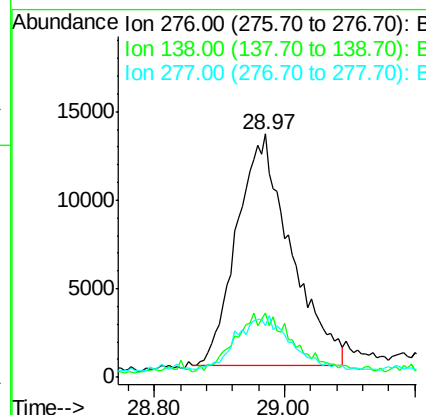
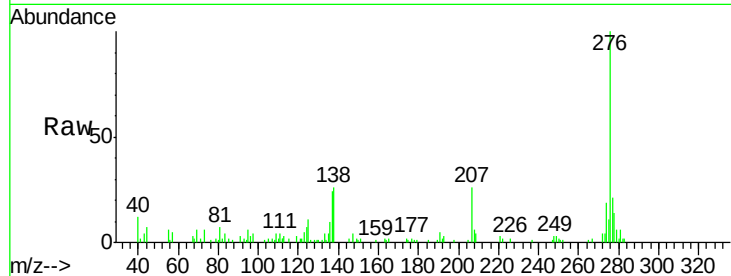
ClientSampleId :

JHGF5

Tgt Ion:	276	Resp:	74853
Ion Ratio	Lower	Upper	
276	100		
138	26.3	20.8	31.2
277	21.1	17.6	26.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.27 ng/ul m

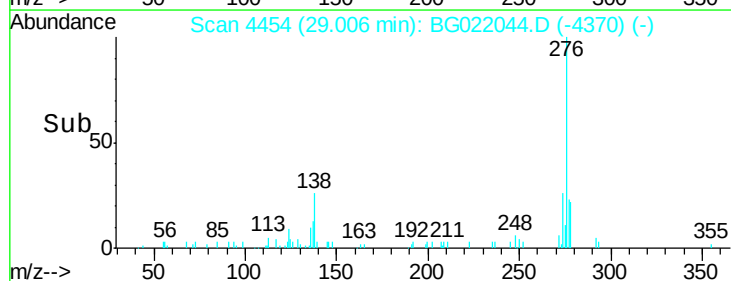
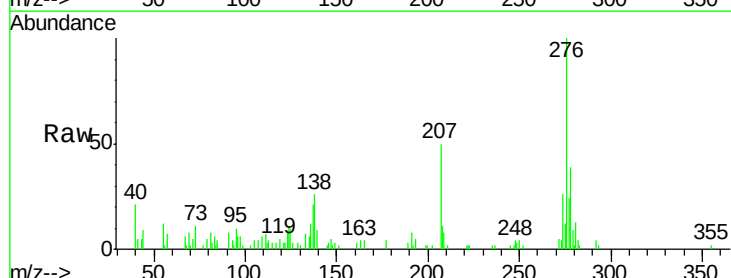
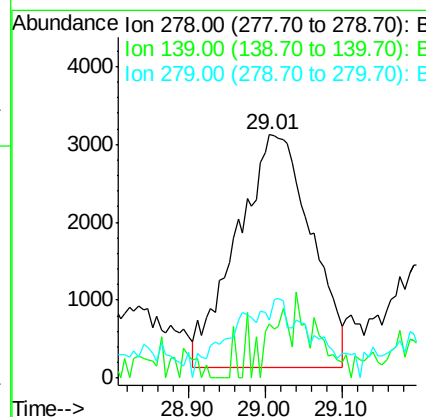
RT: 29.01 min Scan# 4454

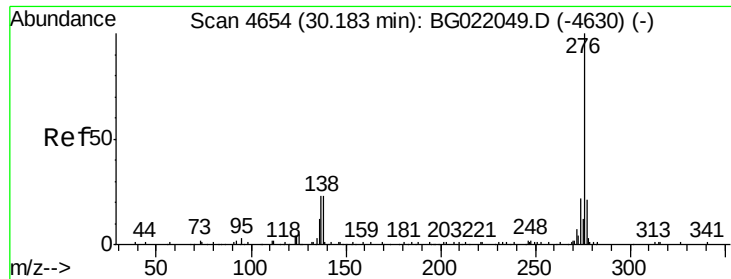
Delta R.T. -0.01 min

Lab File: BG022044.D

Acq: 23 May 2016 12:37

Tgt Ion:	278	Resp:	20041
Ion Ratio	Lower	Upper	
278	100		
139	22.1	16.3	24.5
279	23.9	19.1	28.7





#91
 Benzo(g,h,i)perylene
 Concen: 8.92 ng/ul m
 RT: 30.15 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: BG022044.D
 Acq: 23 May 2016 12:37

Instrument :
 BNA_G
 ClientSampleId :
 JHGF5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	22.1	33.1
277	27.3	17.0	25.4

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