

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020535.D
 Acq On : 26 Dec 2015 11:34
 Operator : UM/SJ
 Sample : G4802-14
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D89

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:06:50 PM

Quant Time: Dec 28 06:47:30 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20436	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	89595	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	64197	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	146282	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	179827	20.00	ng/ul	0.01
86) Perylene-d12	25.03	264	180439	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1297	3.50	ng/uL	0.00
5) Phenol-d5	7.24	99	37793	23.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	22040	22.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	30459	24.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	33294	24.13	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	16290	23.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	19587	24.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	38043	24.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	20447	11.58	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	119871	22.65	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	153445	25.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	14053	15.93	ng/ul	0.00
58) Fluorene-d10	15.70	176	117952	24.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	11131	11.48	ng/ul	0.00
71) Anthracene-d10	17.56	188	176758	25.80	ng/ul	0.00
79) Pyrene-d10	19.84	212	206398	26.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	238402	26.13	ng/ul	0.04

Target Compounds

					Ovalue
28) Naphthalene	10.94	128	66186	13.90	ng/ul 99
34) 2-Methylnaphthalene	12.54	142	24755	7.02	ng/ul 97
41) 1,1'-Biphenyl	13.55	154	5242	1.06	ng/ul 99
45) Dimethylphthalate	14.16	163	40178	7.47	ng/ul 97
48) Acenaphthylene	14.44	152	110965	17.22	ng/ul 98
50) Acenaphthene	14.77	153	10453	2.40	ng/ul# 94
54) Dibenzofuran	15.11	168	6960	1.07	ng/ul 98
59) Fluorene	15.76	166	22387	4.26	ng/ul 97
70) Phenanthrene	17.50	178	283729	34.86	ng/ul 99
72) Anthracene	17.59	178	74790	8.99	ng/ul 98
75) Carbazole	17.86	167	9690	1.38	ng/ul# 81
77) Fluoranthene	19.51	202	543249	53.07	ng/ul 99
80) Pyrene	19.88	202	855292	84.11	ng/ul 99
83) Benzo(a)anthracene	21.72	228	517951	49.04	ng/ul# 92
85) Chrysene	21.79	228	626804	62.31	ng/ul# 93
88) Benzo(b)fluoranthene	23.99	252	829637	76.60	ng/ul 94
89) Benzo(k)fluoranthene	24.05	252	253328m	24.20	ng/ul
91) Benzo(a)pyrene	24.89	252	682123	65.53	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	28.80	276	524271	42.05	ng/ul 94
93) Dibenzo(a,h)anthracene	28.82	278	159862	15.45	ng/ul 95
94) Benzo(a,h,i)perylene	29.98	276	635041	62.01	ng/ul 99

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

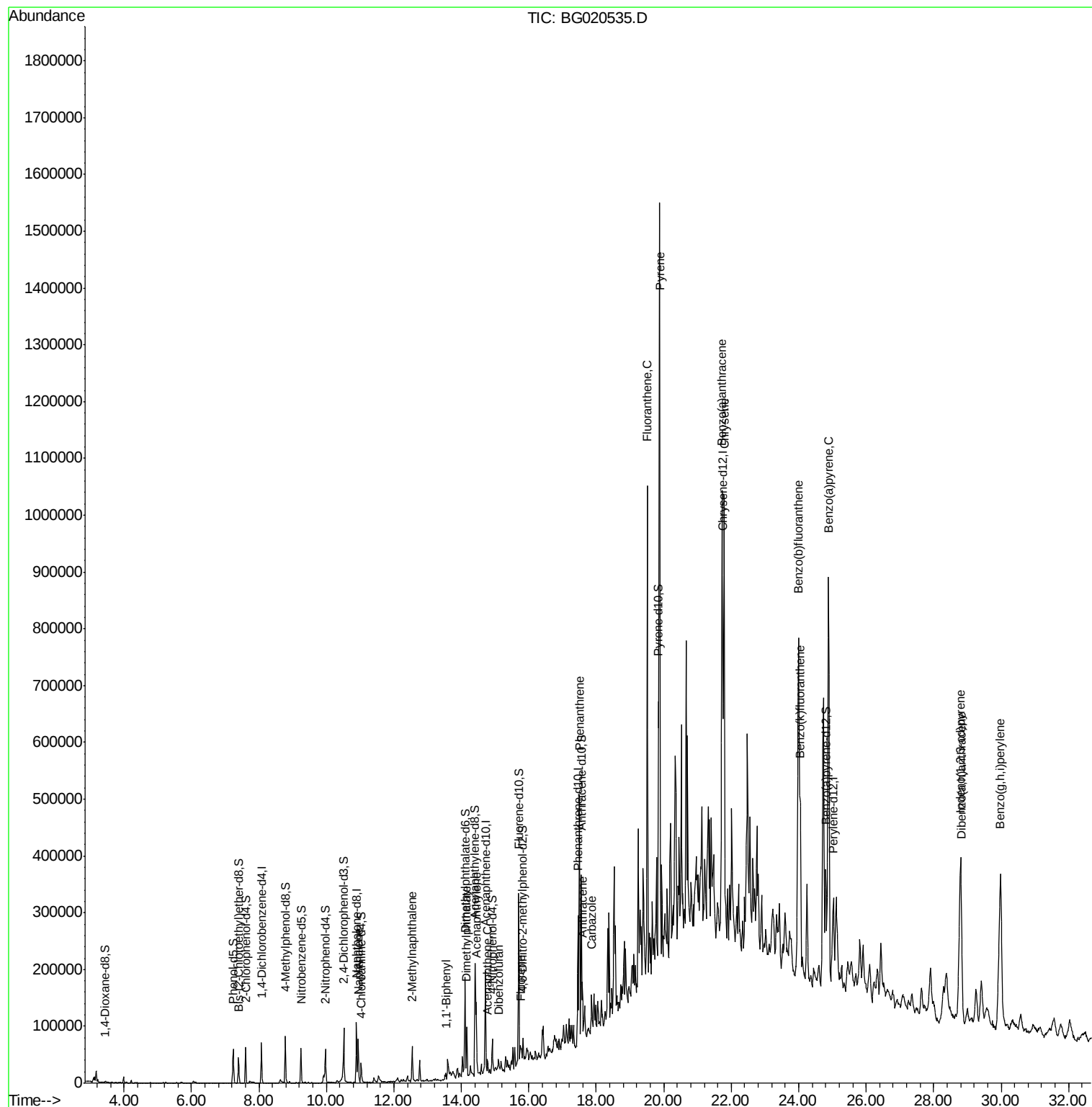
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020535.D
Acq On : 26 Dec 2015 11:34
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Sample : G4802-14
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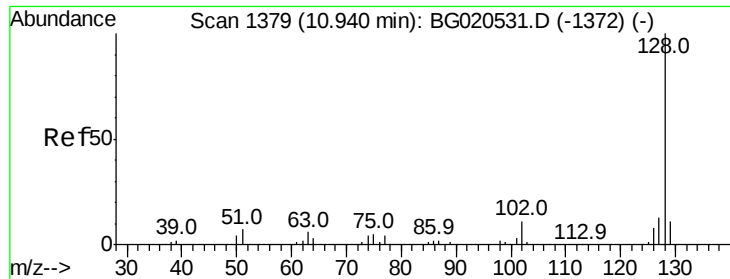
Instrument :
BNA_G
ClientSampled :
G9D89

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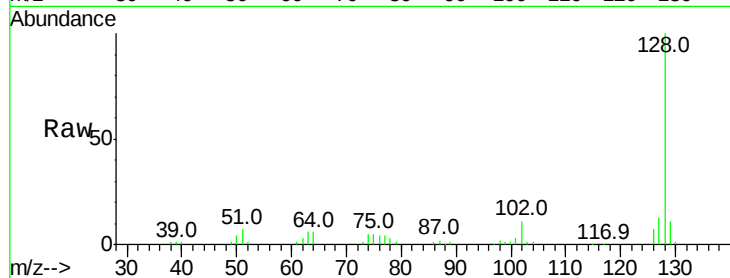
#28
Naphthalene
Concen: 13.90 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Instrument :
BNA_G
ClientSampleId :
G9D89

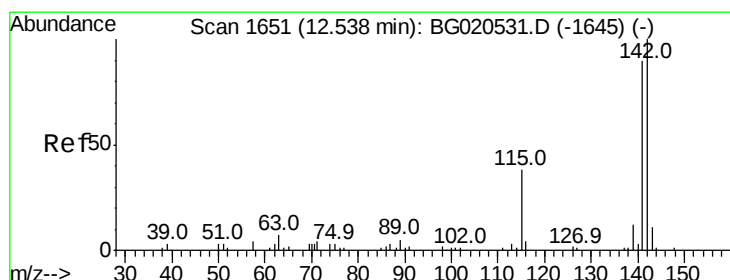
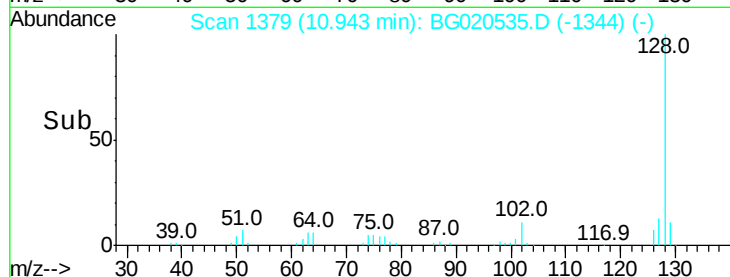
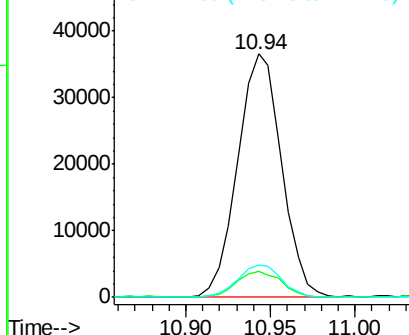
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.1	10.1	15.1

Manual Integrations
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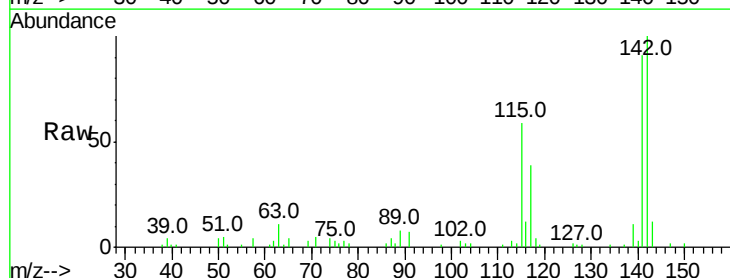


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

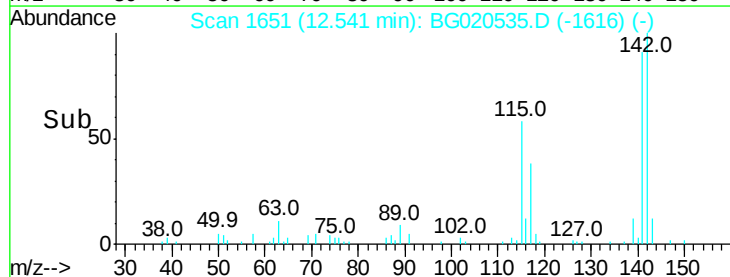
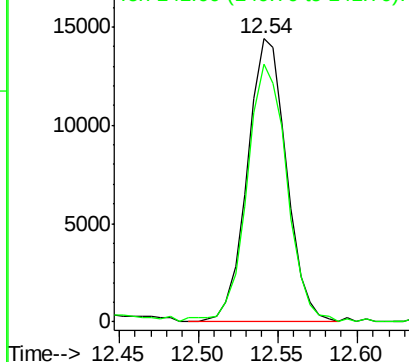


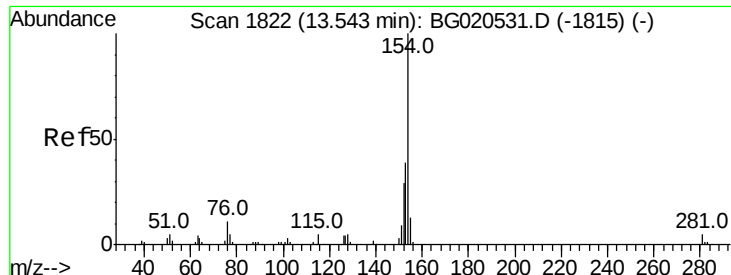
#34
2-Methylnaphthalene
Concen: 7.02 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.9	112.3



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





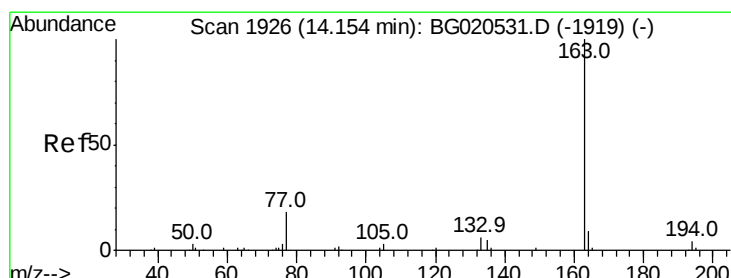
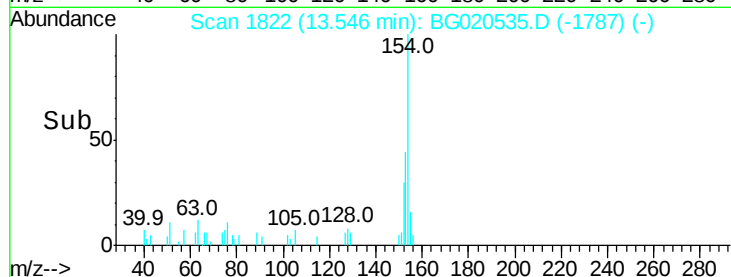
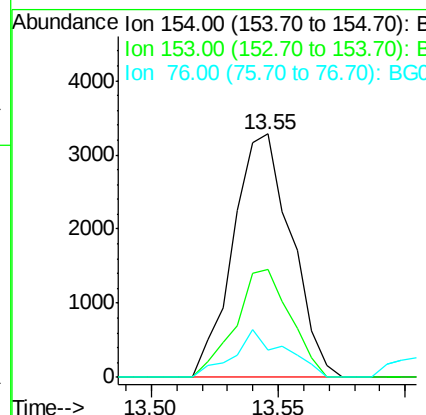
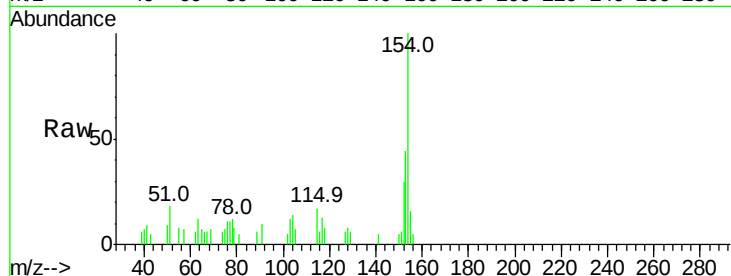
#41
1,1'-Biphenyl
Concen: 1.06 ng/ul
RT: 13.55 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Instrument :
BNA_G
ClientSampleId :
G9D89

Tot Ion	Ratio	Lower	Upper
154	100		
153	44.1	35.5	53.3
76	11.1	10.4	15.6

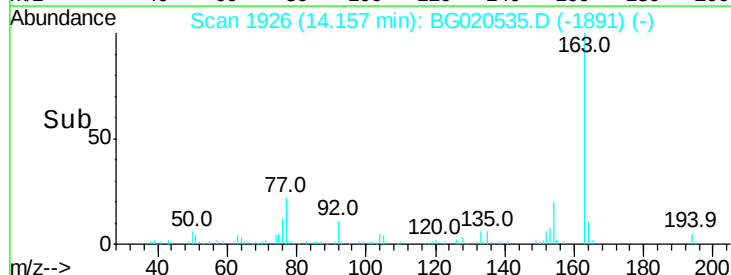
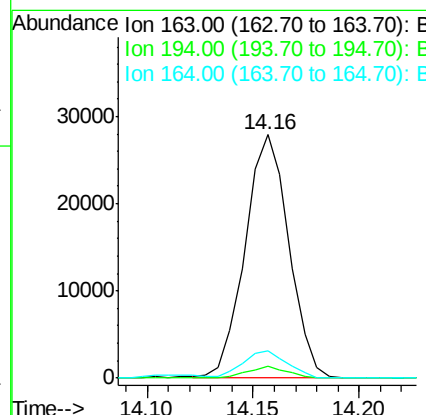
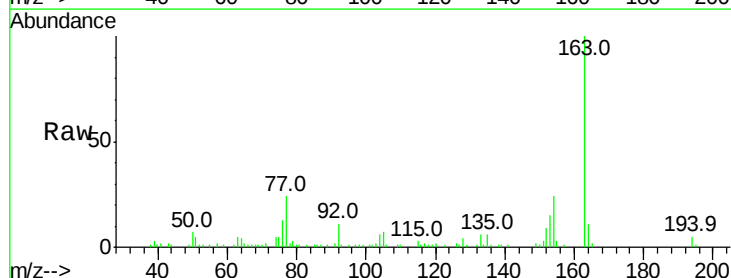
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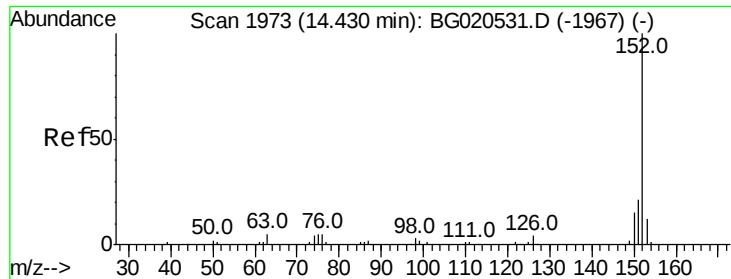
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#45
Dimethylphthalate
Concen: 7.47 ng/ul
RT: 14.16 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	11.1	7.7	11.5





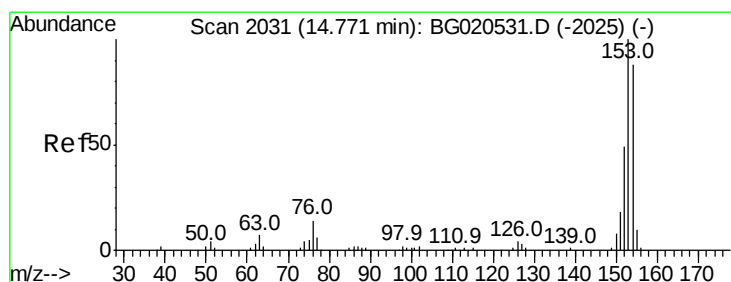
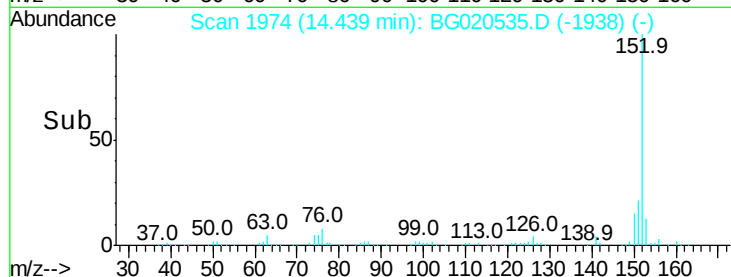
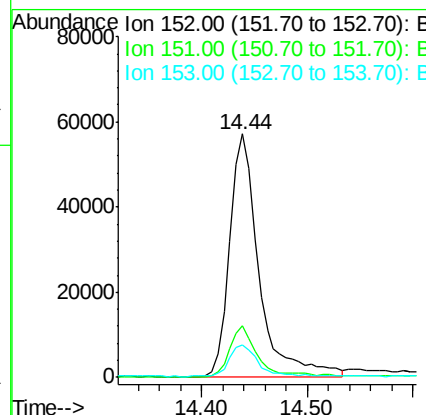
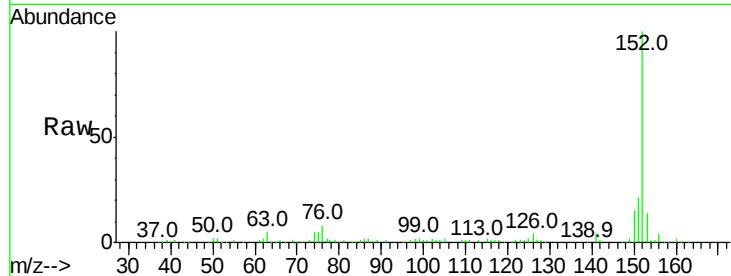
#48
Acenaphthylene
Concen: 17.22 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Instrument :
BNA_G
ClientSampleId :
G9D89

Tot Ion	Ratio	Resp	Lower	Upper
152	100	110965		
151	21.3		16.4	24.6
153	13.5		10.4	15.6

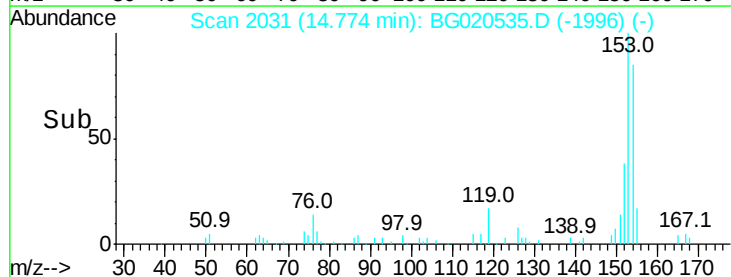
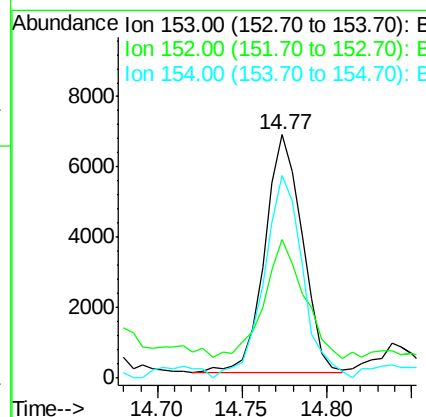
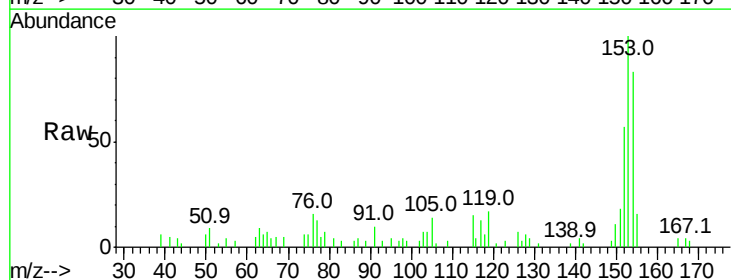
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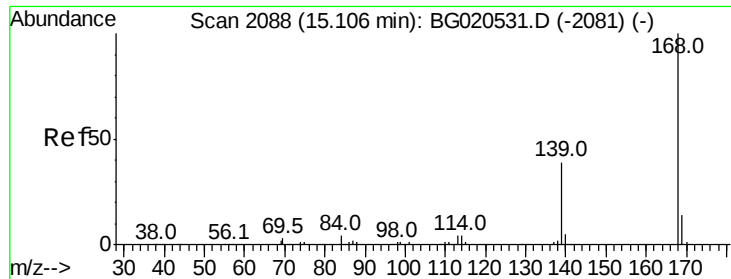
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#50
Acenaphthene
Concen: 2.40 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	10453		
152	56.9		37.6	56.4#
154	83.4		67.9	101.9





#54

Dibenzenofuran

Concen: 1.07 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Instrument :

BNA_G

ClientSampled :

G9D89

Tot Ion:168 Resp: 6960

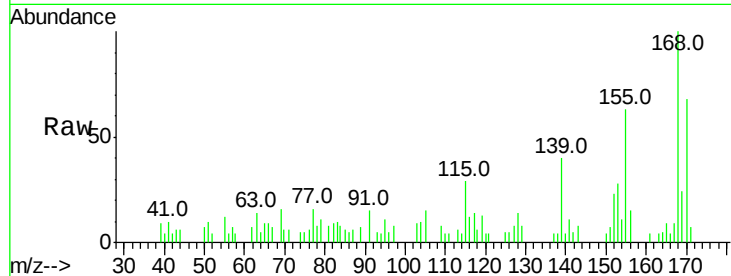
Ion Ratio Lower Upper

168 100

139 39.6 30.5 45.7

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.11

4000

3000

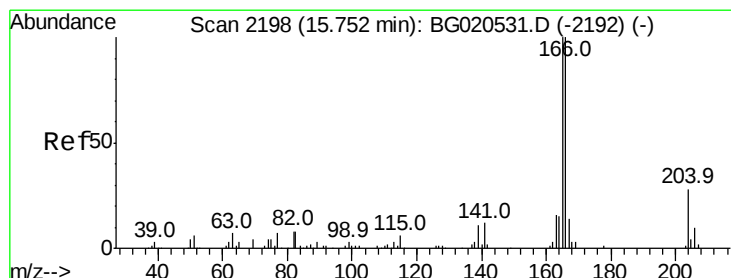
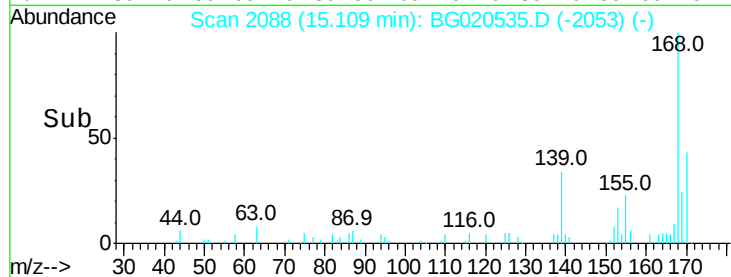
2000

1000

0

15.05 15.10 15.15

Time-->



#59

Fluorene

Concen: 4.26 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

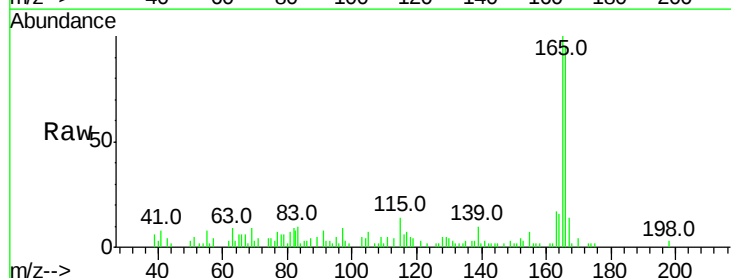
Tgt Ion:166 Resp: 22387

Ion Ratio Lower Upper

166 100

165 105.2 81.4 122.0

167 14.6 11.2 16.8



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

15.76

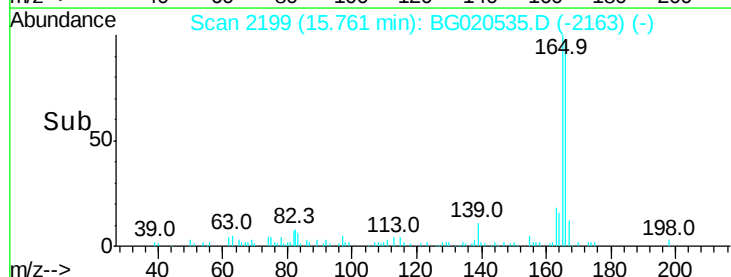
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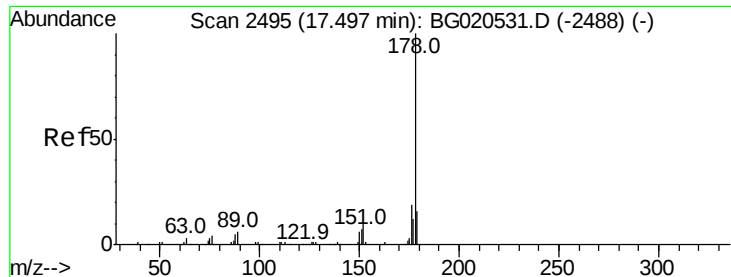
5000

0

15.70 15.75 15.80 15.85

Time-->





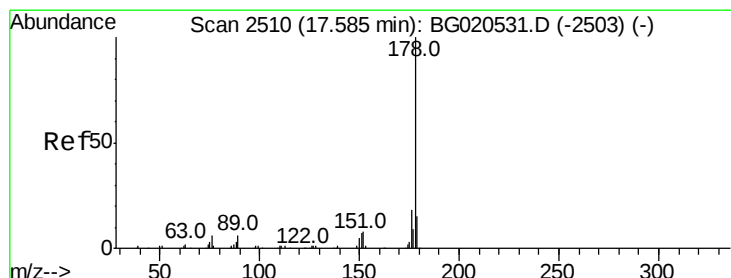
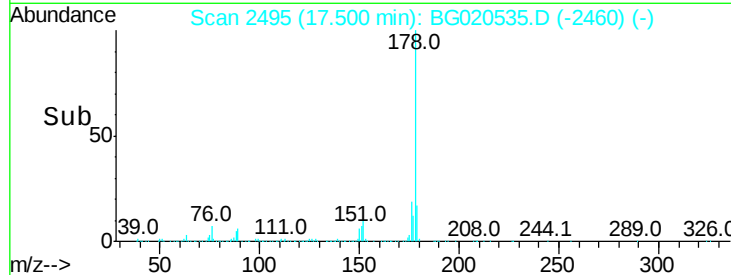
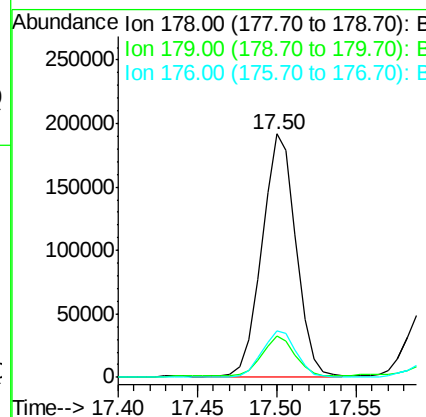
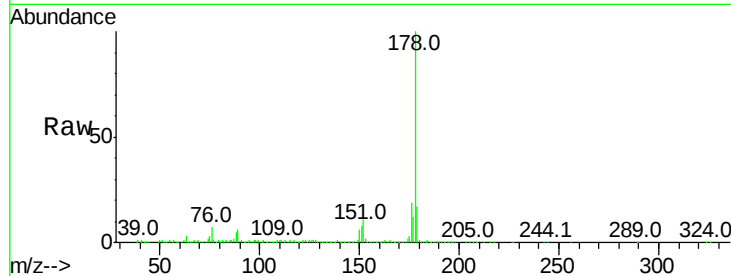
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Phenanthrene
Concen: 34.86 ng/ul
RT: 17.50 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Instrument :
BNA_G
ClientSampled :
G9D89

Tot Ion	Ratio	Resp	Lower	Upper
178	100	283729		
179	17.1		12.9	19.3
176	19.2		15.3	22.9

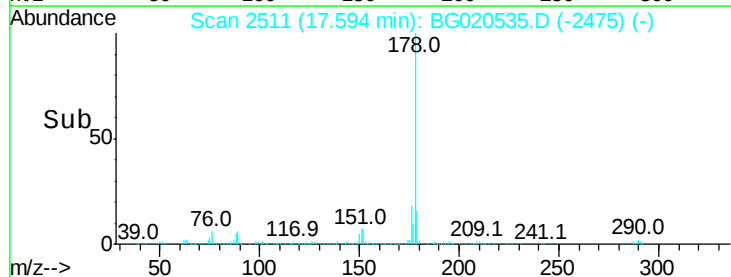
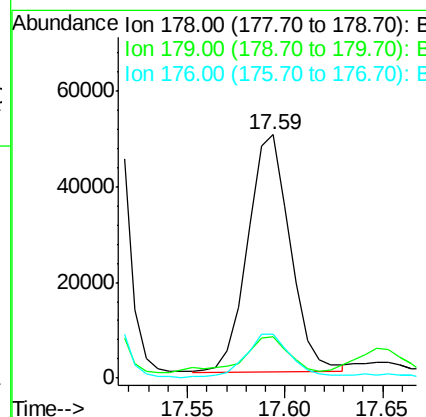
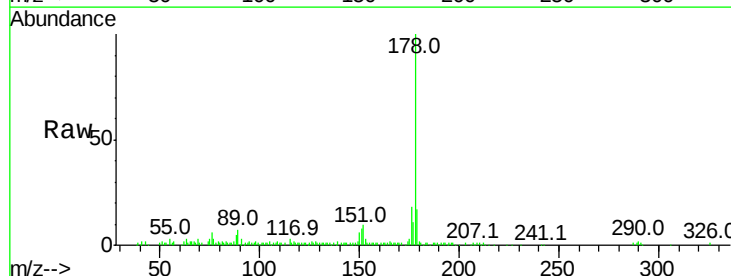
Manual Integrations
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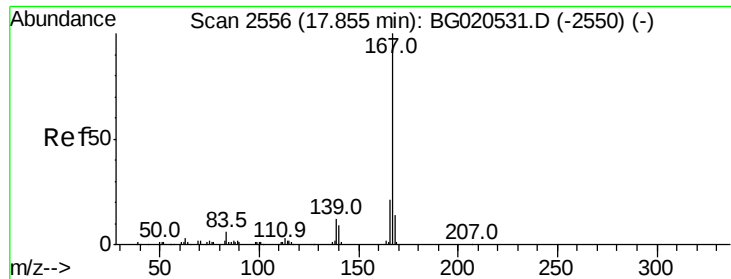
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#72
Anthracene
Concen: 8.99 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.01 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	74790		
179	16.8		12.3	18.5
176	18.2		14.3	21.5





#75

Carbazole

Concen: 1.38 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Instrument :

BNA_G

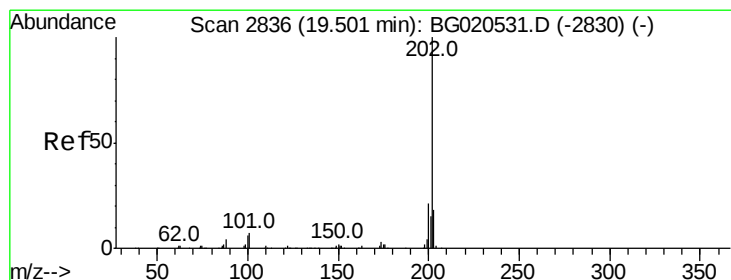
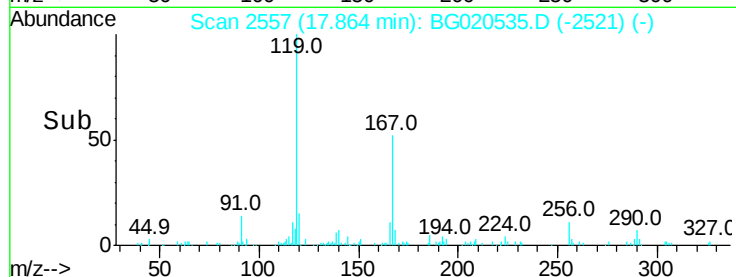
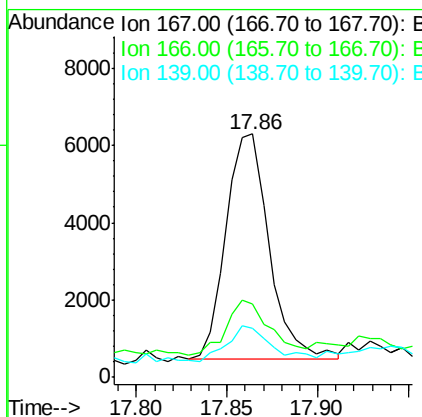
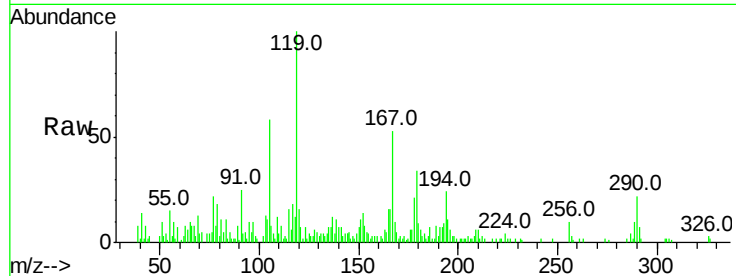
ClientSampleId :

G9D89

Tot Ion:	167	Resp:	9690
Ion Ratio	Lower	Upper	
167	100		
166	29.9	17.0	25.6#
139	20.0	10.1	15.1#

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#77

Fluoranthene

Concen: 53.07 ng/ul

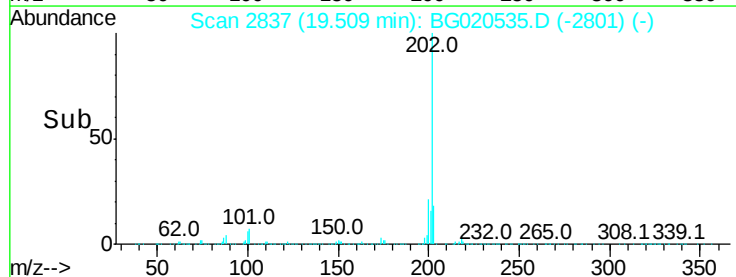
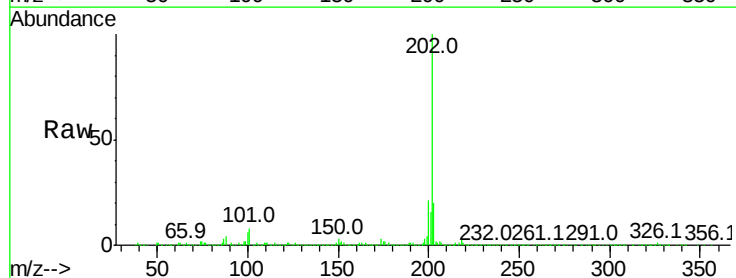
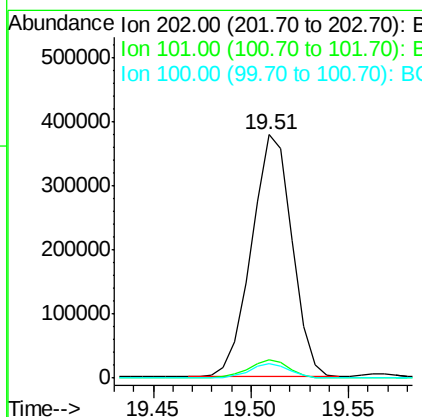
RT: 19.51 min Scan# 2837

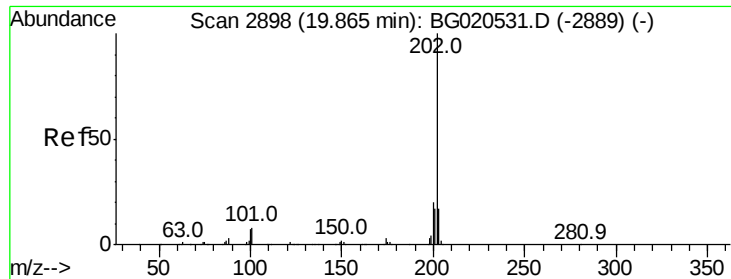
Delta R.T. 0.01 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Tgt Ion:	202	Resp:	543249
Ion Ratio	Lower	Upper	
202	100		
101	7.7	6.2	9.4
100	5.8	5.1	7.7





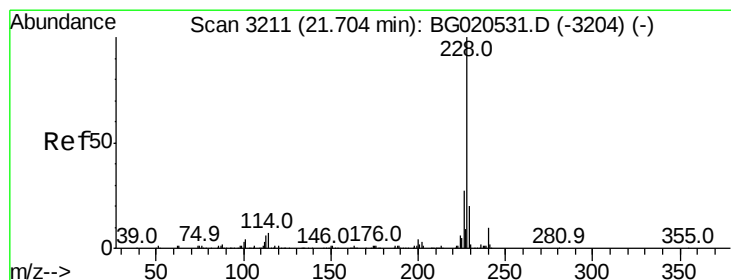
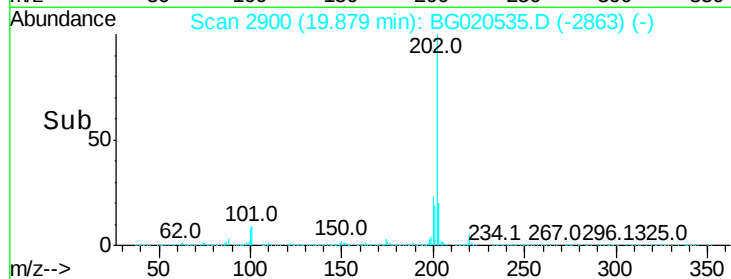
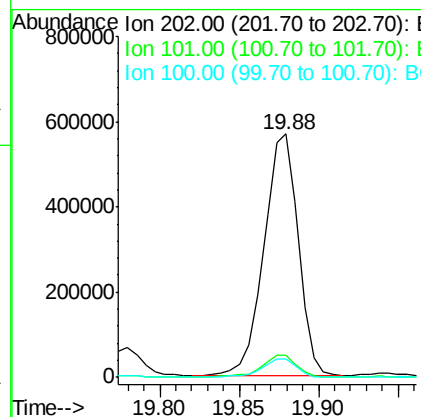
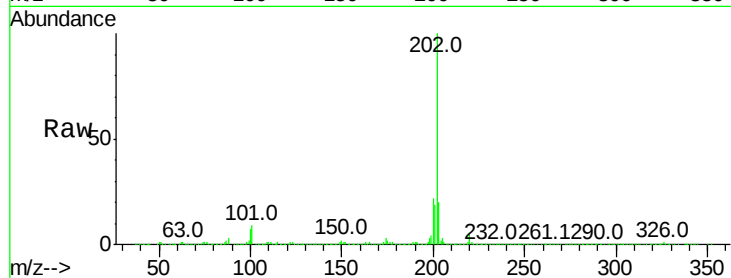
#80
Pvrene
Concen: 84.11 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.01 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Instrument :
BNA_G
ClientSampleId :
G9D89

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.2	7.0	10.4
100	7.4	6.4	9.6

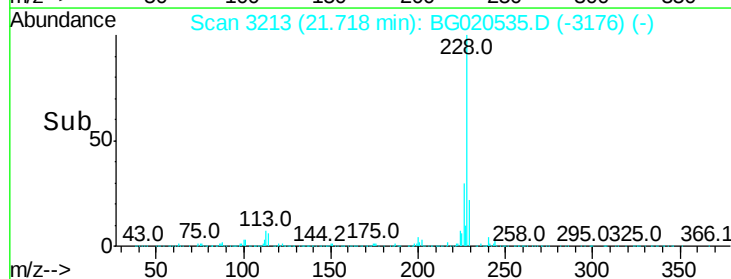
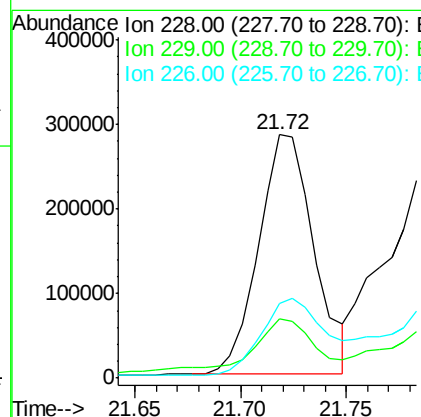
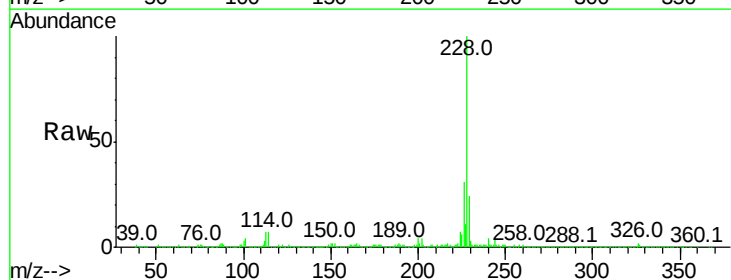
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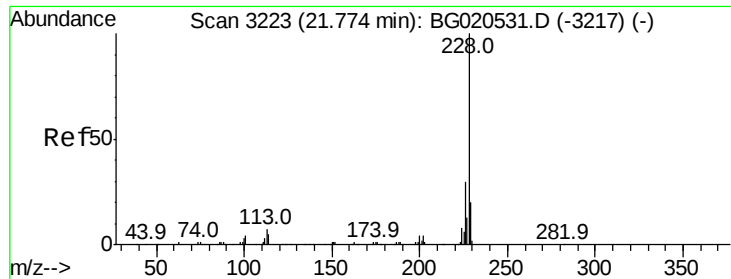
Sohil
12/28/2015 6:06:50 PM



#83
Benzo(a)anthracene
Concen: 49.04 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.01 min
Lab File: BG020535.D
Acq: 26 Dec 2015 11:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	24.4	15.8	23.8#
226	30.9	21.8	32.6





#85

Chrysene

Concen: 62.31 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. 0.01 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Instrument :

BNA_G

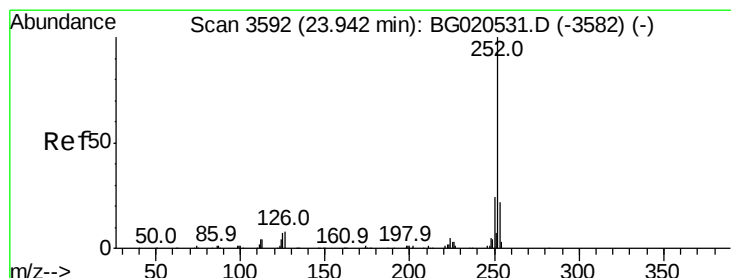
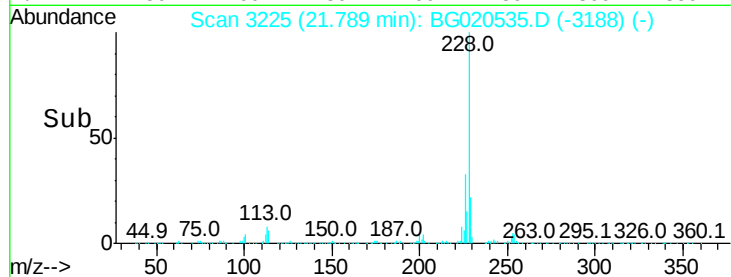
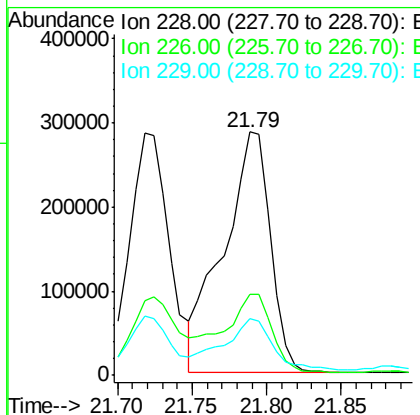
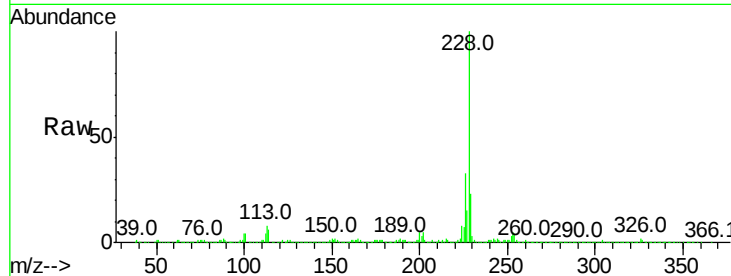
ClientSampleId :

G9D89

Tot Ion:	228	Resp:	626804
Ion Ratio	Lower	Upper	
228	100		
226	33.4	23.9	35.9
229	23.4	15.6	23.4

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#88

Benzo(b)fluoranthene

Concen: 76.60 ng/ul

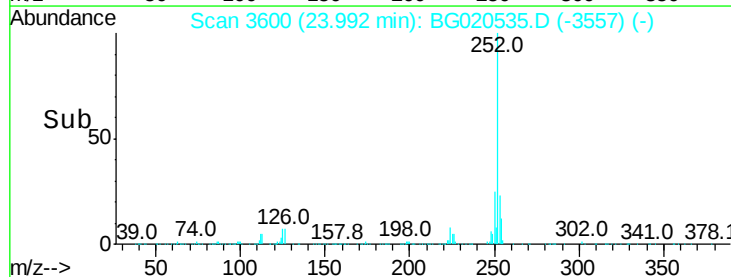
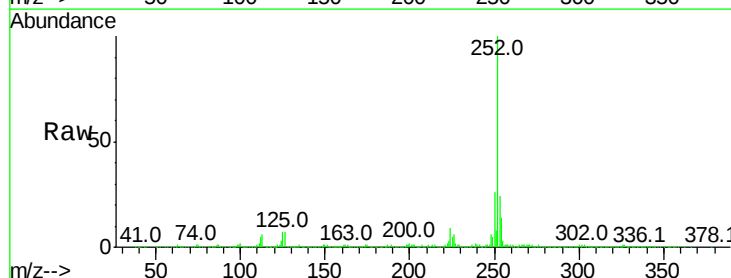
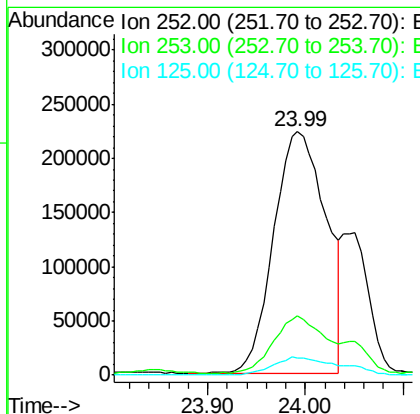
RT: 23.99 min Scan# 3600

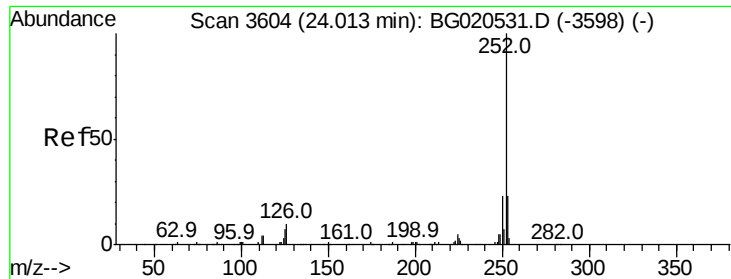
Delta R.T. 0.05 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Tgt Ion:	252	Resp:	829637
Ion Ratio	Lower	Upper	
252	100		
253	24.4	16.7	25.1
125	7.0	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 24.20 ng/ul m

RT: 24.05 min Scan# 3610

Delta R.T. 0.04 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Instrument :

BNA_G

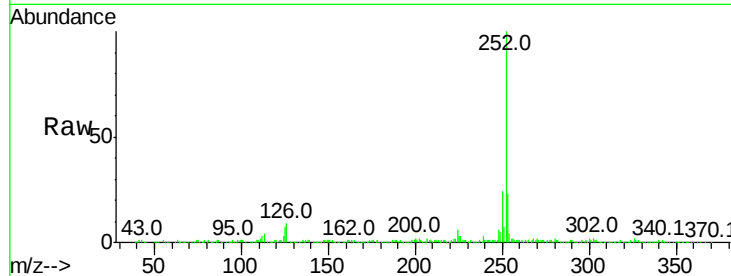
ClientSampleId :

G9D89

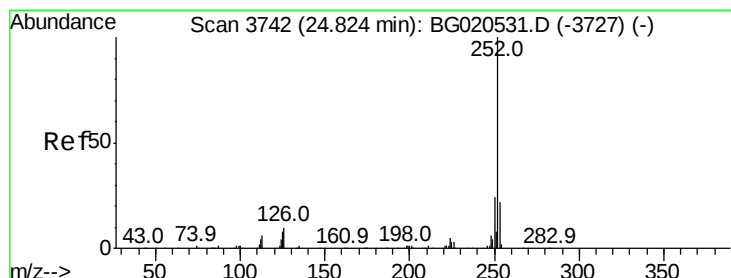
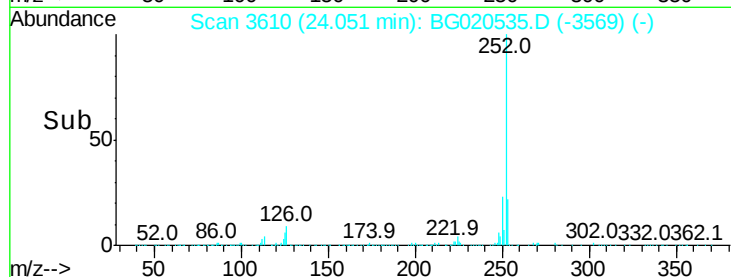
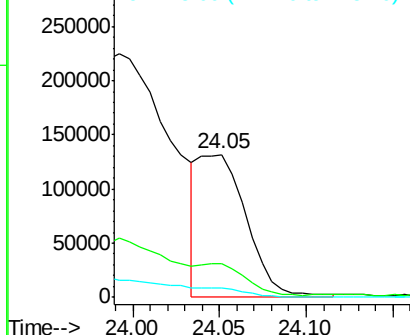
Tot Ion:	252	Resp:	253328
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	6.7	5.8	8.6

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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



#91

Benzo(a)pyrene

Concen: 65.53 ng/ul

RT: 24.89 min Scan# 3752

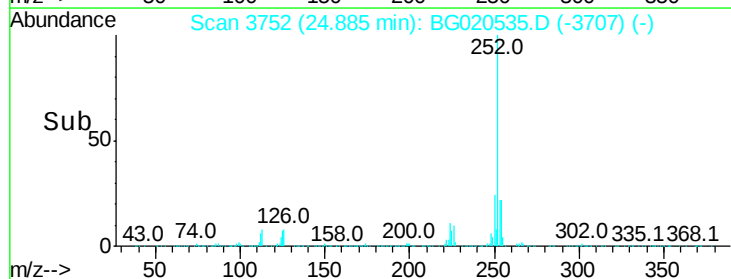
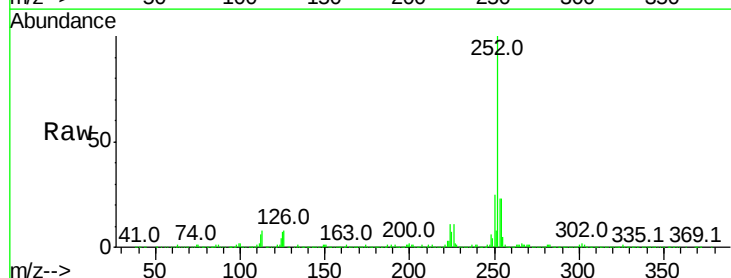
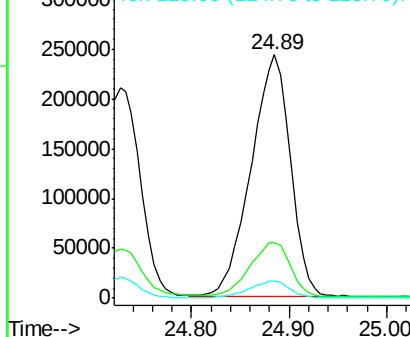
Delta R.T. 0.06 min

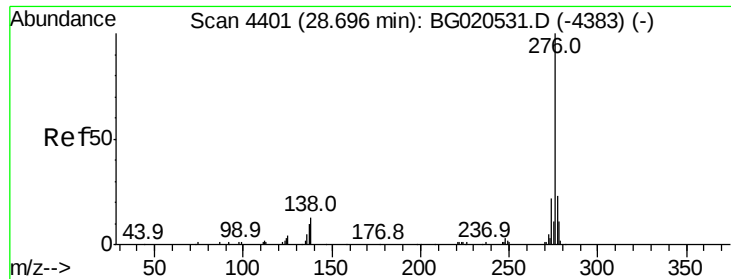
Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Tgt Ion:	252	Resp:	682123
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.4
125	7.0	6.2	9.4

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





#92

Indeno(1,2,3-cd)pyrene

Concen: 42.05 ng/ul

RT: 28.80 min Scan# 4418

Delta R.T. 0.10 min

Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

Instrument :

BNA_G

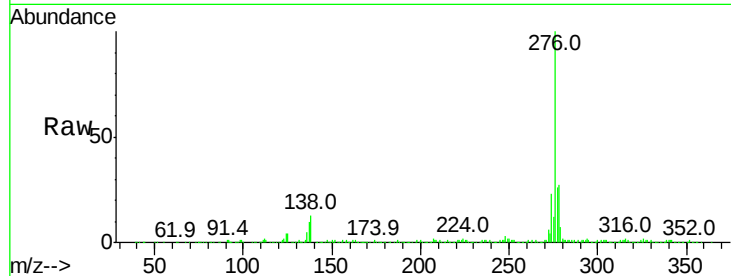
ClientSampleId :

G9D89

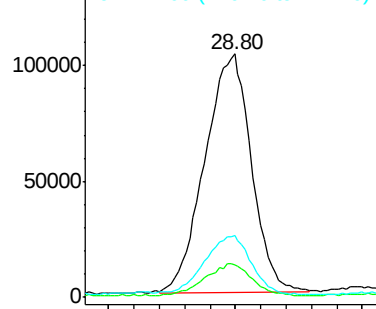
Tot Ion	Ratio	Resp	Lower	Upper
276	100	524271		
138	13.3		11.4	17.0
277	25.7		17.4	26.0

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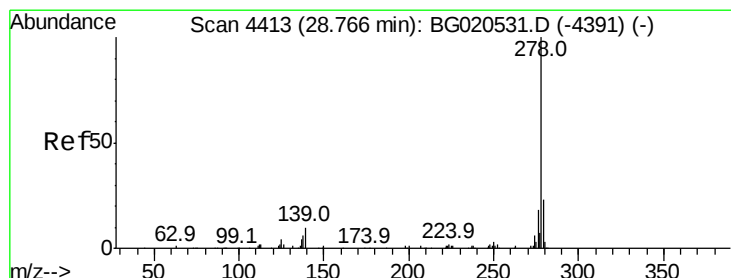
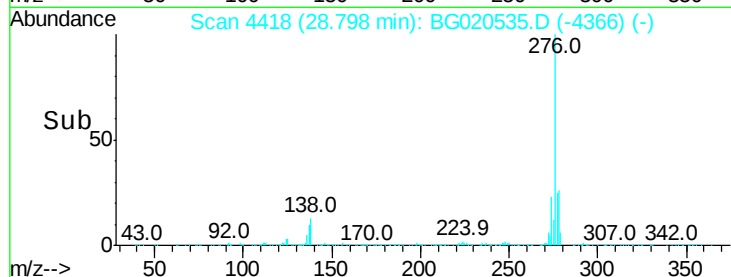
Sohil
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



#93

Dibenzo(a,h)anthracene

Concen: 15.45 ng/ul

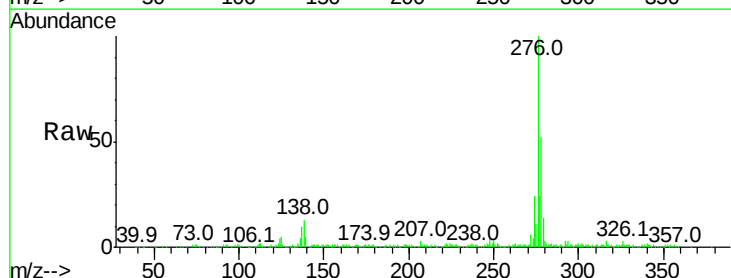
RT: 28.82 min Scan# 4422

Delta R.T. 0.06 min

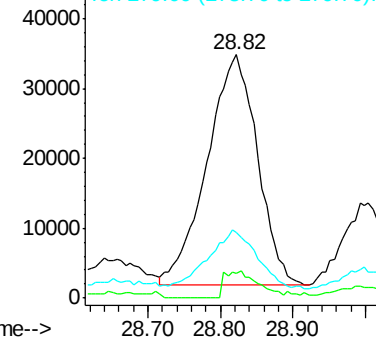
Lab File: BG020535.D

Acq: 26 Dec 2015 11:34

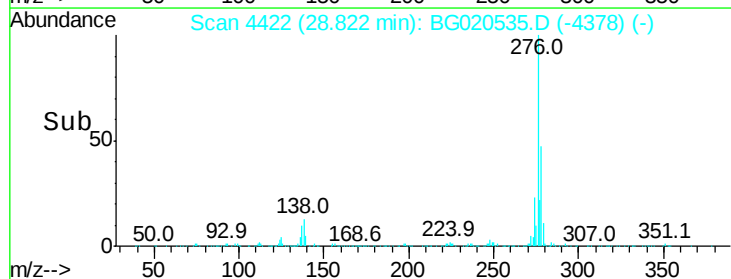
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	159862		
139	10.3		9.4	14.2
279	27.1		19.4	29.0

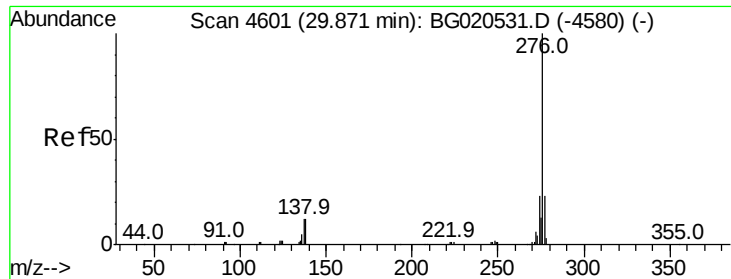


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#94
 Benzo(a,h,i)perylene
 Concen: 62.01 ng/ul
 RT: 29.98 min Scan# 4619
 Delta R.T. 0.11 min
 Lab File: BG020535.D
 Acq: 26 Dec 2015 11:34

Instrument :
 BNA_G
 ClientSampleId :
 G9D89

Tot Ion:	276	Resp:	635041
Ion Ratio	Lower	Upper	
276	100		
138	13.1	10.8	16.2
277	24.2	19.9	29.9

Manual Integrations
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Sohil
 12/28/2015 6:06:50 PM

