

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
 Data File : BG023707.D
 Acq On : 14 Aug 2016 3:18
 Operator : UM/SJ
 Sample : H4388-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR002-SS002-0002-01

Manual Integrations
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Quant Time: Aug 16 11:12:50 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 06:38:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	133619	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	575679	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	359981	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	728485	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	772216	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	785198	20.00	ng/ul	0.00

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System Monitoring Compounds

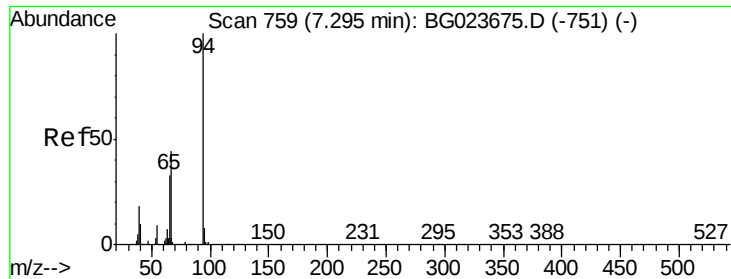
3) 1,4-Dioxane-d8	3.48	96	12178	3.87	ng/uL	0.00
5) Phenol-d5	7.27	99	320080	23.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	214879	24.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	233330	25.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	238975	22.74	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	118959	26.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	145455	27.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	251581	25.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	204862	17.76	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	773094	26.23	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	915768	27.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	102908	20.45	ng/ul	0.00
57) Fluorene-d10	15.78	176	686349	25.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	99266	21.24	ng/ul	0.00
70) Anthracene-d10	17.65	188	919725	28.02	ng/ul	0.00
76) Pyrene-d10	19.94	212	1002636	25.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	1007131	28.34	ng/ul	0.00

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Target Compounds

						Ovalue
6) Phenol	7.30	94	26775	1.91	ng/ul#	74
34) 2-Methylnaphthalene	12.61	142	26670	1.13	ng/ul	91
44) Dimethylphthalate	14.23	163	689945	23.64	ng/ul	99
47) Acenaphthylene	14.51	152	110368	3.18	ng/ul	96
58) Fluorene	15.84	166	66022	2.26	ng/ul#	98
69) Phenanthrene	17.59	178	1244581	32.99	ng/ul	99
71) Anthracene	17.68	178	100206	2.60	ng/ul	97
72) Carbazole	17.96	167	42111	1.36	ng/ul	98
74) Fluoranthene	19.61	202	1348294	34.91	ng/ul#	91
77) Pyrene	19.97	202	1676478	35.12	ng/ul	95
80) Benzo(a)anthracene	21.85	228	711985m	16.37	ng/ul	
82) Chrysene	21.92	228	884018	22.36	ng/ul	95
85) Benzo(b)fluoranthene	24.20	252	783988	17.55	ng/ul#	94
86) Benzo(k)fluoranthene	24.26	252	262545m	5.97	ng/ul	
88) Benzo(a)pyrene	25.13	252	601139	13.94	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.18	276	320072m	6.32	ng/ul	
90) Dibenzo(a,h)anthracene	29.23	278	103372m	2.39	ng/ul	
91) Benzo(g,h,i)perylene	30.42	276	283121	6.74	ng/ul#	84

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



#6

Phenol

Concen: 1.91 ng/ul

RT: 7.30 min Scan# 759

Delta R.T. 0.00 min

Lab File: BG023707.D

Acq: 14 Aug 2016 3:18

Instrument :

BNA_G

ClientSampleId :

PR002-SS002-0002-01

Tot Ion: 94 Resp: 26775

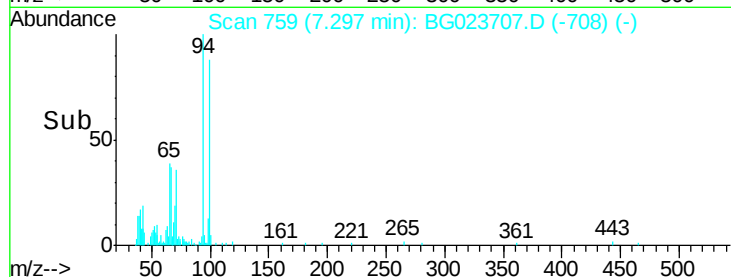
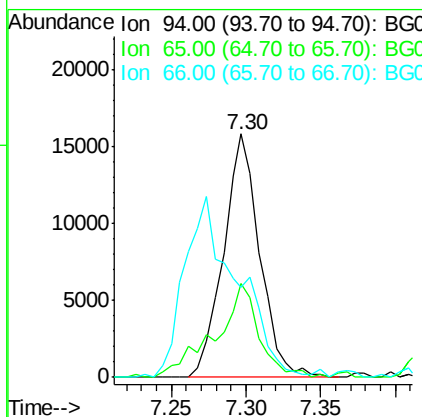
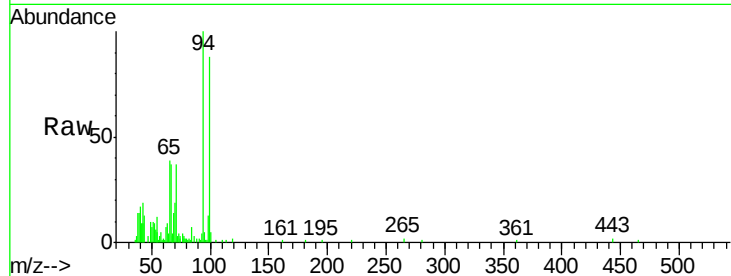
Ion Ratio Lower Upper

94 100

65 38.6 16.8 25.2#

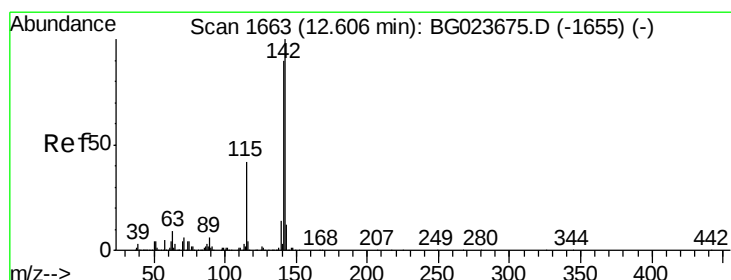
66 37.0 22.6 33.8#

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#34

2-Methylnaphthalene

Concen: 1.13 ng/ul

RT: 12.61 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BG023707.D

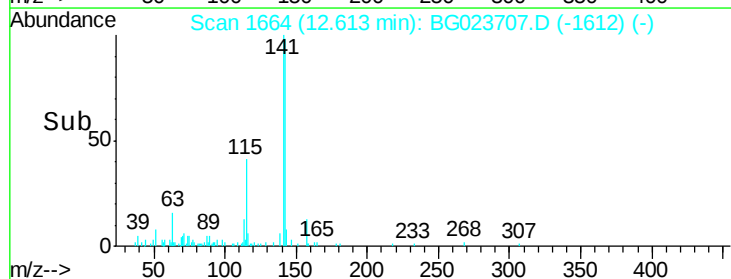
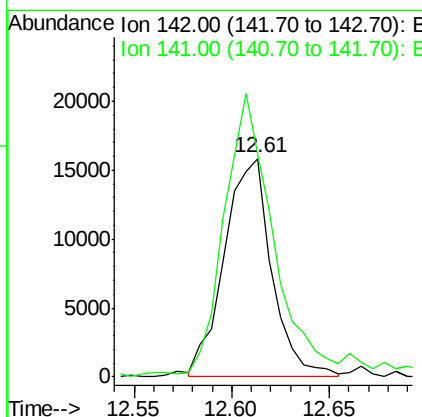
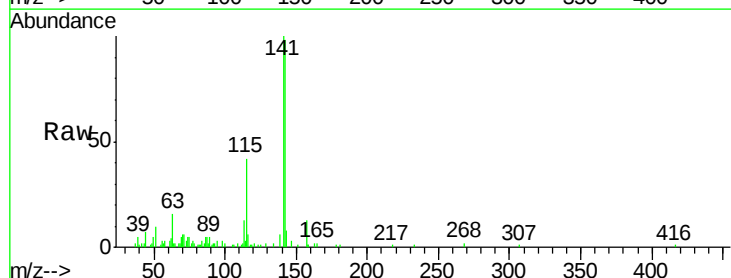
Acq: 14 Aug 2016 3:18

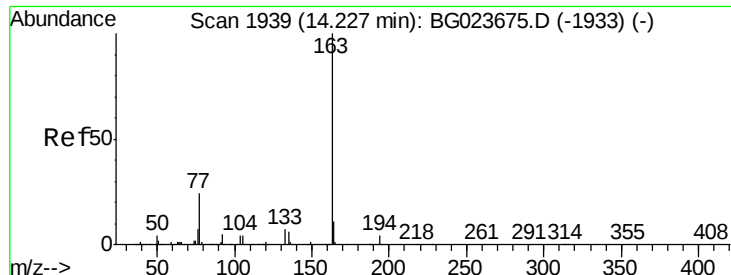
Tgt Ion: 142 Resp: 26670

Ion Ratio Lower Upper

142 100

141 102.3 75.2 112.8



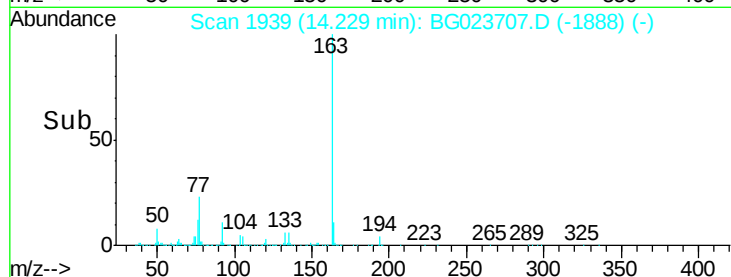
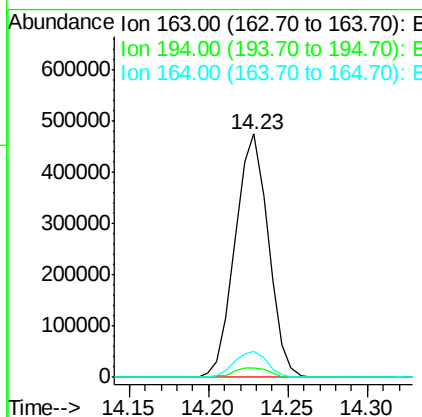
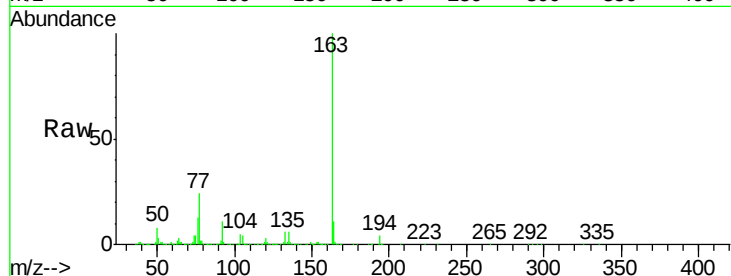


#44
Dimethylphthalate
Concen: 23.64 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Instrument :
BNA_G
ClientSampleId :
PR002-SS002-0002-01

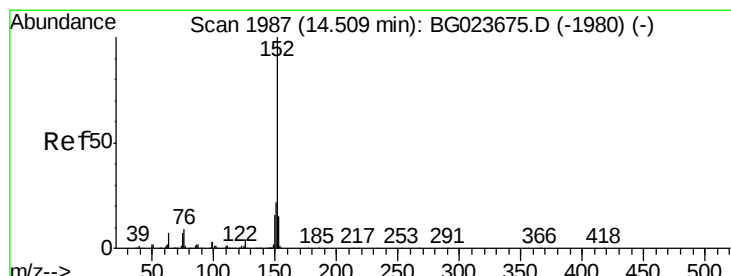
Tot Ion	Ratio	Resp	Lower	Upper
163	100	689945		
194	4.0		3.4	5.2
164	10.5		8.8	13.2

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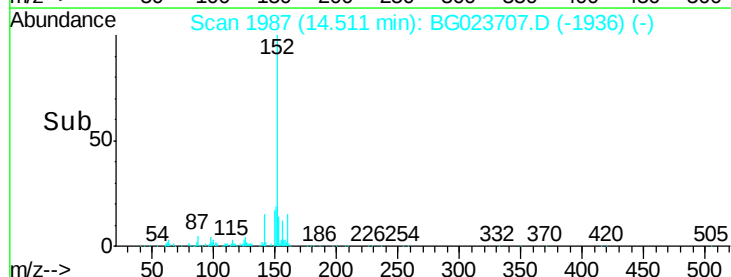
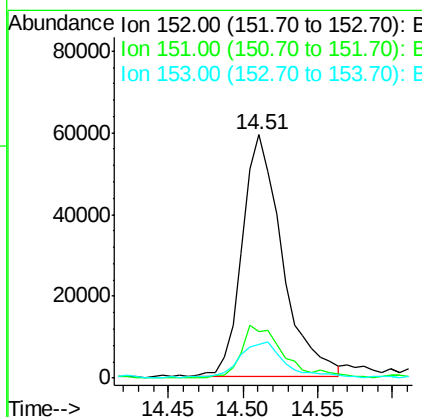
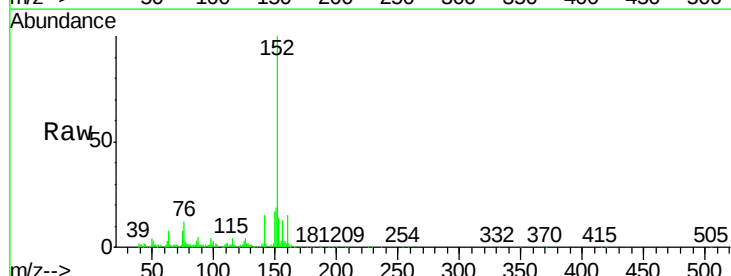
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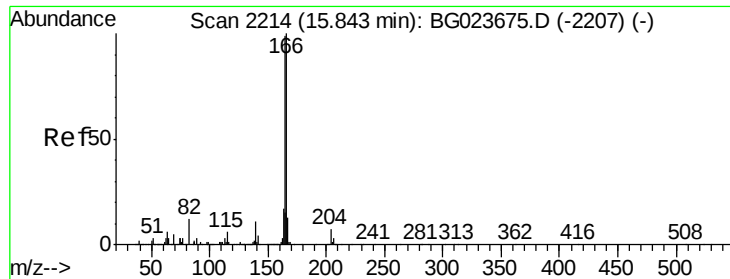
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#47
Acenaphthylene
Concen: 3.18 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	110368		
151	18.9		17.5	26.3
153	13.9		11.1	16.7





#58

Fluorene

Concen: 2.26 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG023707.D

Acq: 14 Aug 2016 3:18

Instrument :

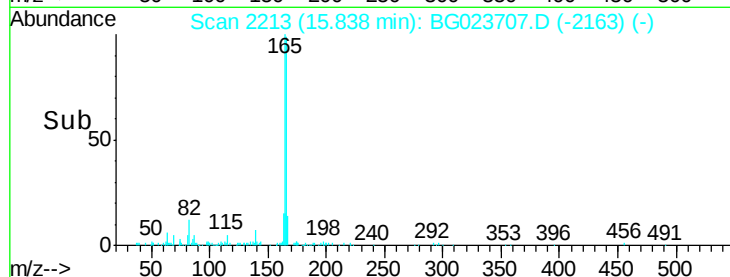
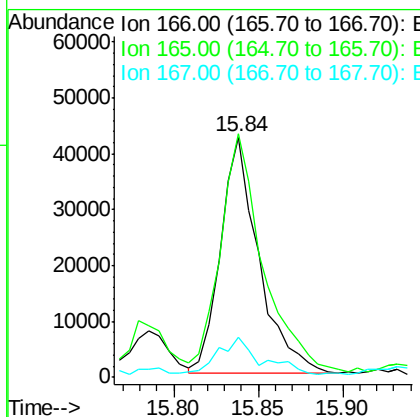
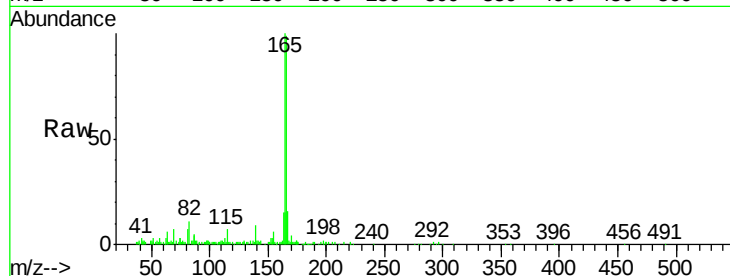
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ClientSampleId :

PR002-SS002-0002-01

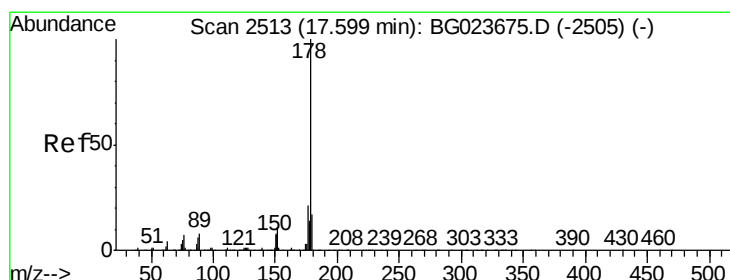
Tot Ion:	166	Resp:	66022
Ion Ratio	Lower	Upper	
166	100		
165	101.5	80.3	120.5
167	16.5	10.3	15.5

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#69

Phenanthrene

Concen: 32.99 ng/ul

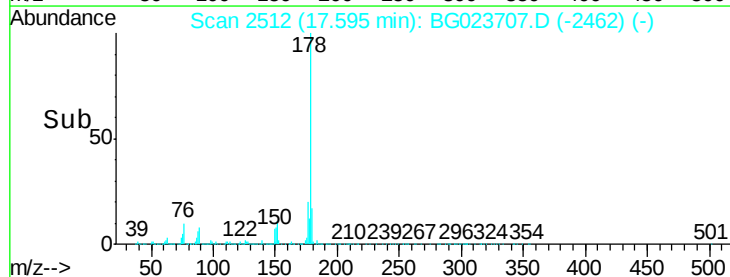
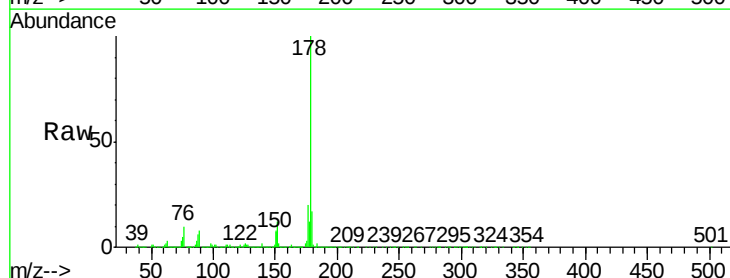
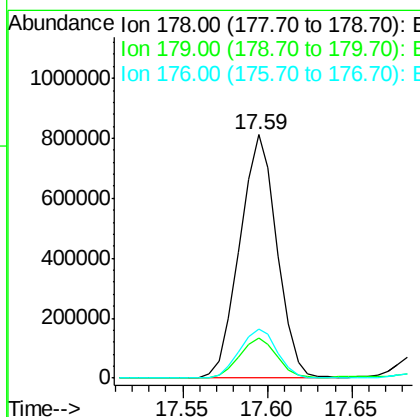
RT: 17.59 min Scan# 2512

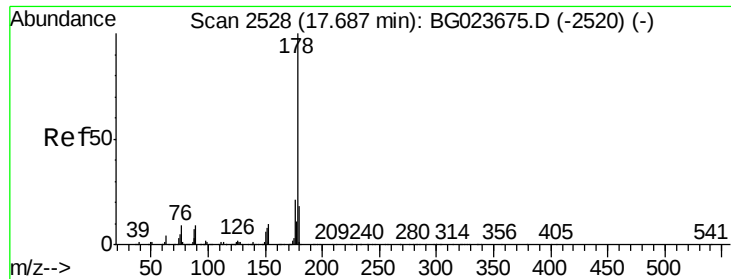
Delta R.T. -0.00 min

Lab File: BG023707.D

Acq: 14 Aug 2016 3:18

Tgt Ion:	178	Resp:	1244581
Ion Ratio	Lower	Upper	
178	100		
179	16.5	12.9	19.3
176	20.3	15.8	23.8



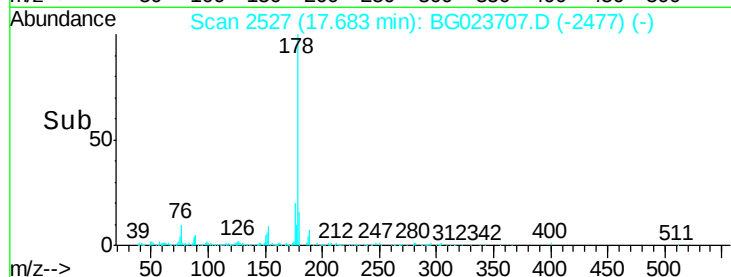
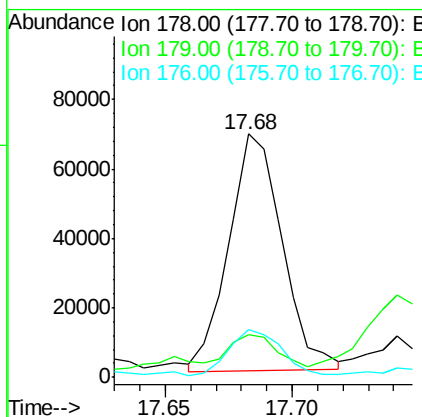
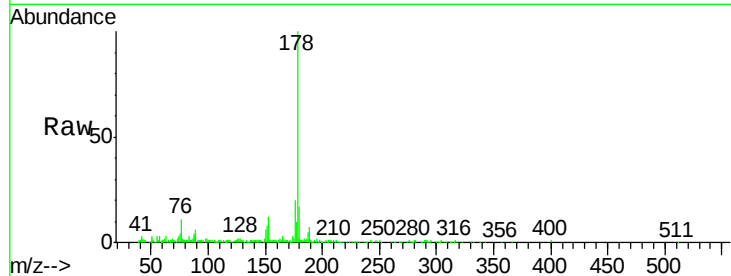


#71
 Anthracene
 Concen: 2.60 ng/ul
 RT: 17.68 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BG023707.D
 Acq: 14 Aug 2016 3:18

Instrument :
 BNA_G
 ClientSampleId :
 PR002-SS002-0002-01

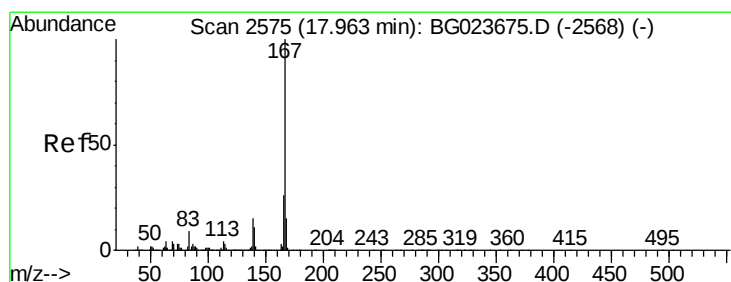
Tot Ion:178	Resp:	100206
Ion Ratio	Lower	Upper
178	100	
179	17.3	12.3 18.5
176	19.6	16.3 24.5

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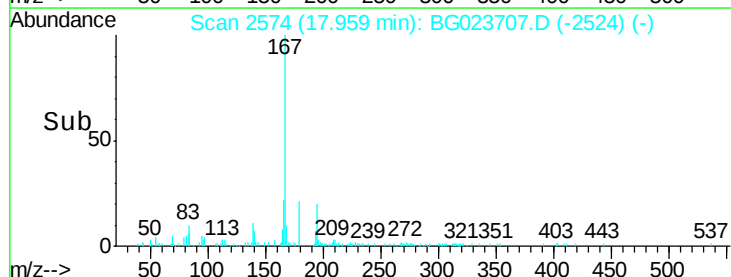
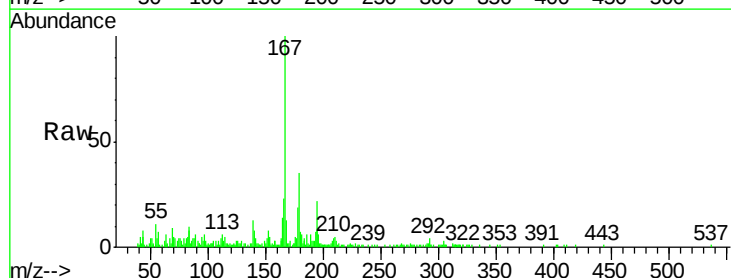
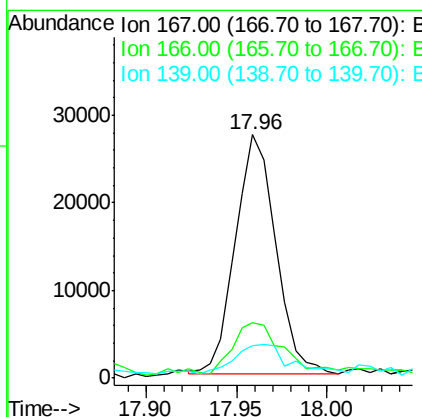
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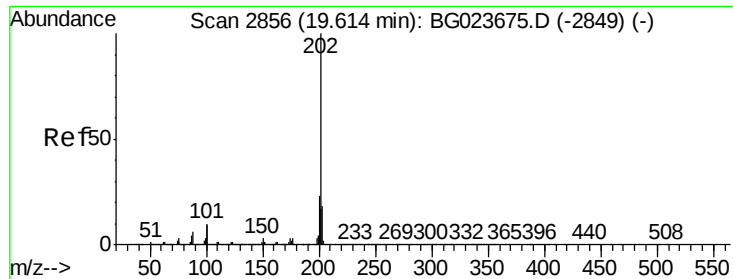
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#72
 Carbazole
 Concen: 1.36 ng/ul
 RT: 17.96 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: BG023707.D
 Acq: 14 Aug 2016 3:18

Tgt Ion:167	Resp:	42111
Ion Ratio	Lower	Upper
167	100	
166	22.9	19.2 28.8
139	13.1	10.2 15.4





#74

Fluoranthene

Concen: 34.91 ng/ul

RT: 19.61 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG023707.D

Acq: 14 Aug 2016 3:18

Instrument :

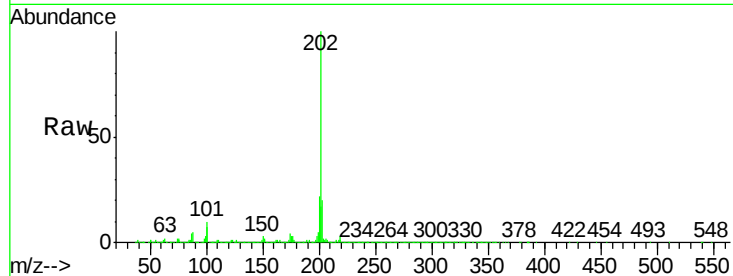
BNA_G

ClientSampleId :

PR002-SS002-0002-01

Tot Ion:	202	Resp:	1348294
Ion Ratio	Lower	Upper	
202	100		
101	9.8	10.6	16.0#
100	7.4	8.7	13.1#

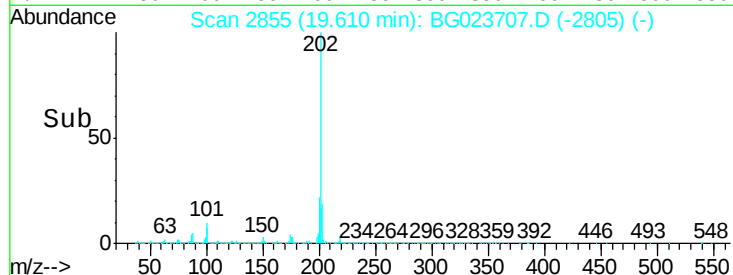
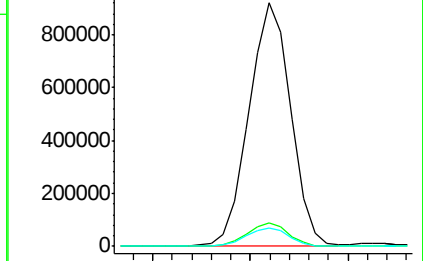
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Abundance Ion 202.00 (201.70 to 202.70): E

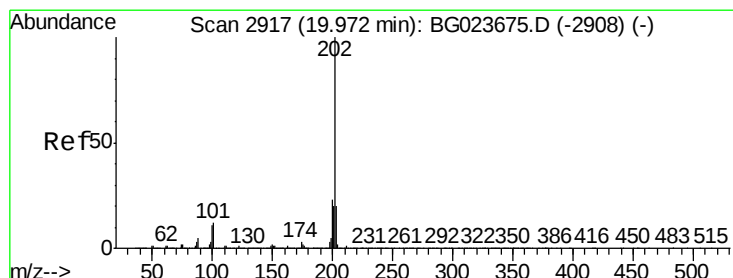
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



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#77

Pyrene

Concen: 35.12 ng/ul

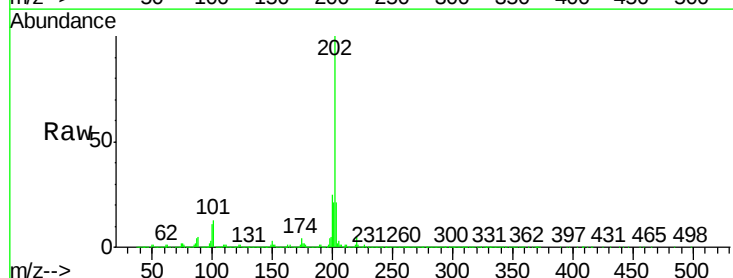
RT: 19.97 min Scan# 2917

Delta R.T. 0.00 min

Lab File: BG023707.D

Acq: 14 Aug 2016 3:18

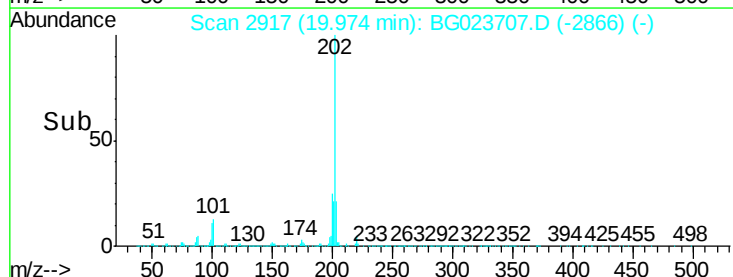
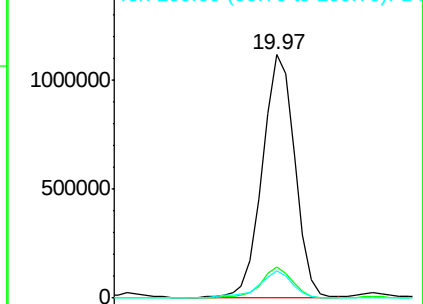
Tgt Ion:	202	Resp:	1676478
Ion Ratio	Lower	Upper	
202	100		
101	12.8	12.5	18.7
100	11.1	10.2	15.4

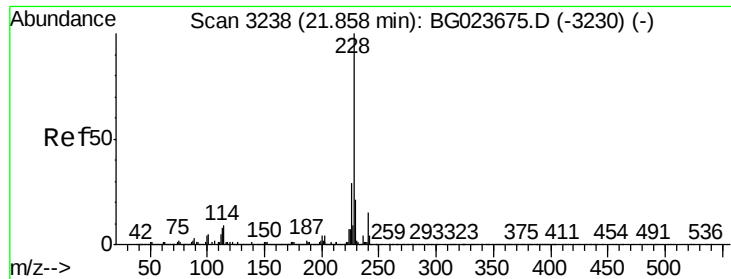


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



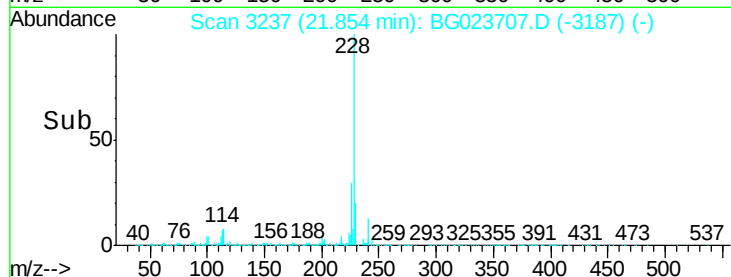
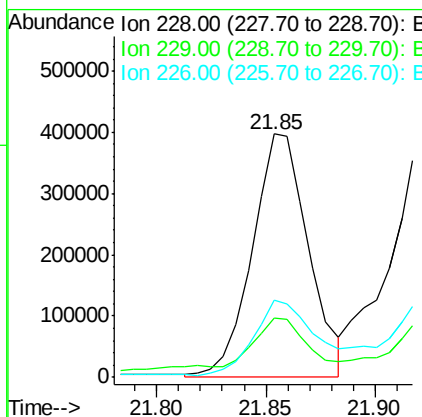
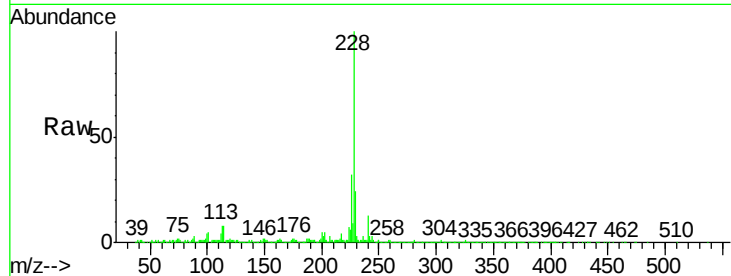


#80
Benzo(a)anthracene
Concen: 16.37 ng/ul m
RT: 21.85 min Scan# 3237
Delta R.T. -0.00 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Instrument :
BNA_G
ClientSampleId :
PR002-SS002-0002-01

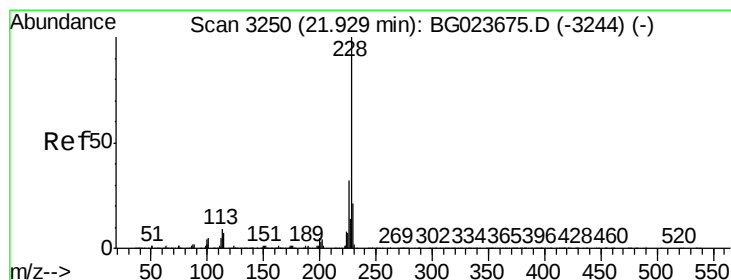
Tot Ion	Ratio	Lower	Upper
228	100		
229	24.2	15.4	23.2#
226	31.6	22.8	34.2

Manual Integrations
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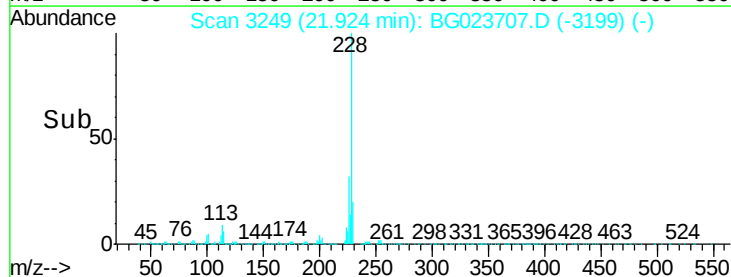
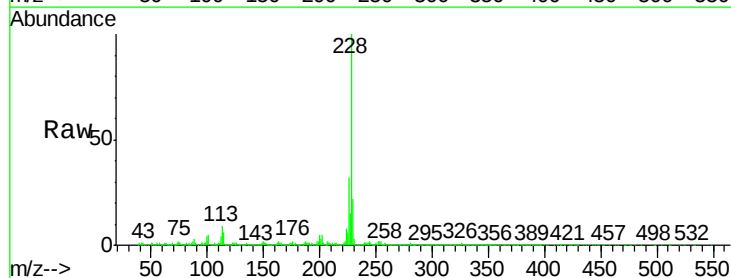
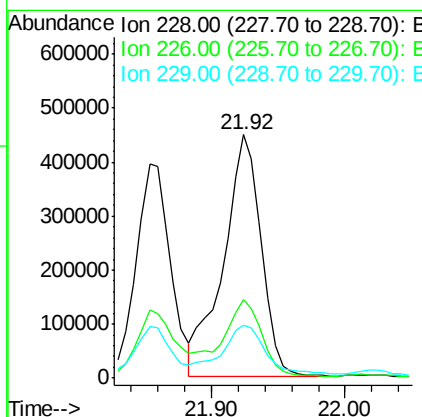
umangi

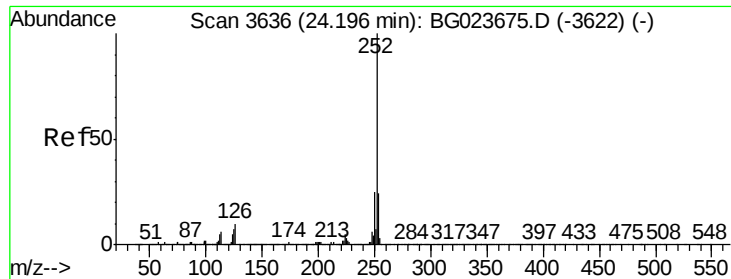
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#82
Chrysene
Concen: 22.36 ng/ul
RT: 21.92 min Scan# 3249
Delta R.T. -0.00 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.4
229	21.9	15.0	22.6



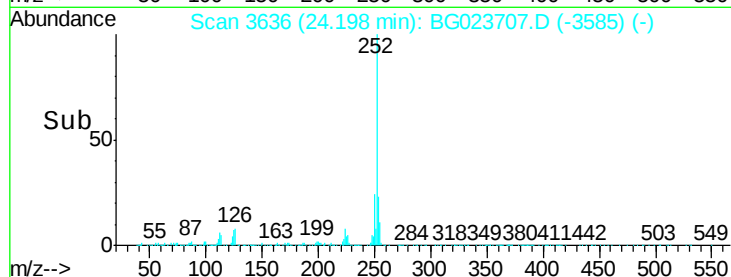
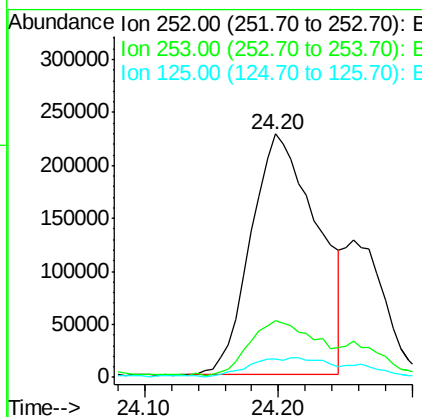
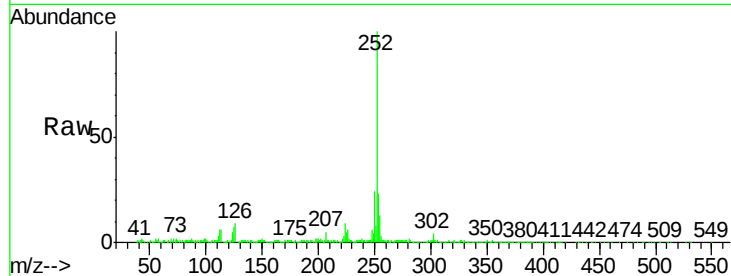


#85
Benzo(b)fluoranthene
Concen: 17.55 ng/ul
RT: 24.20 min Scan# 3636
Delta R.T. 0.00 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Instrument :
BNA_G
ClientSampleId :
PR002-SS002-0002-01

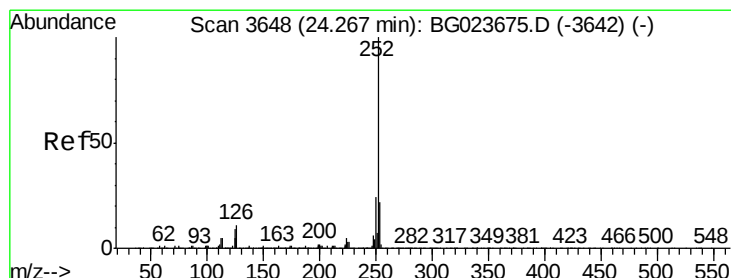
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	7.4	10.8	16.2

Manual Integrations
APPROVED



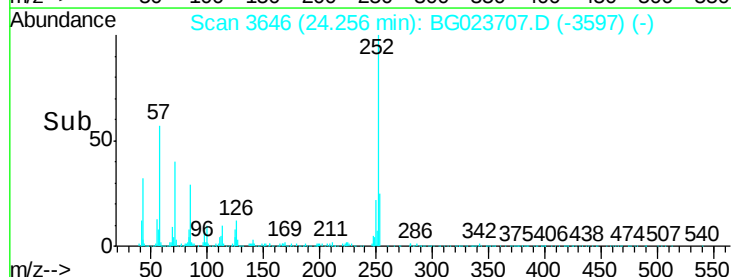
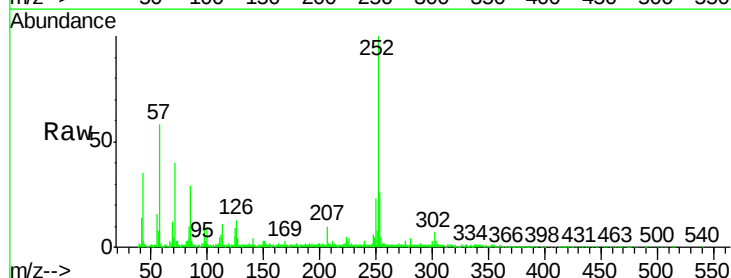
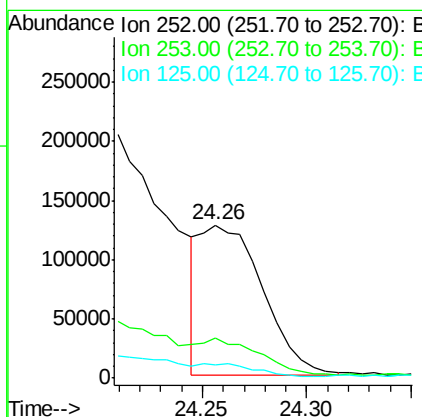
umangi

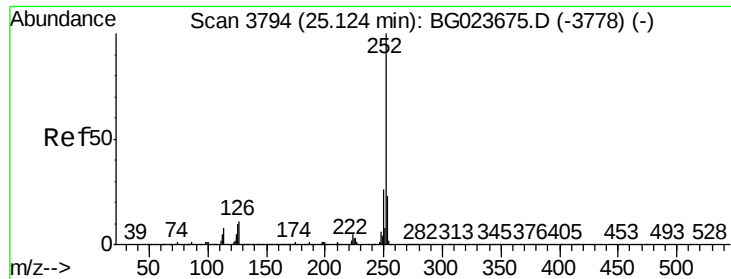
8/16/2016 6:59:58 PM



#86
Benzo(k)fluoranthene
Concen: 5.97 ng/ul m
RT: 24.26 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	15.8	23.6
125	8.7	10.6	16.0



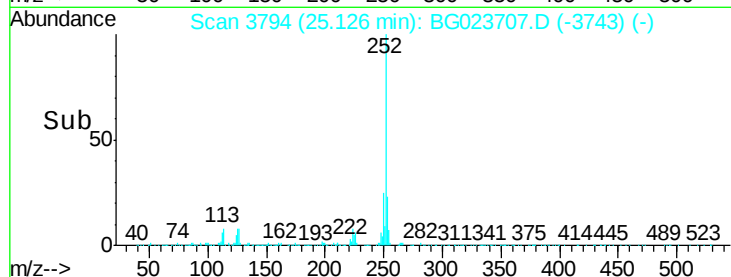
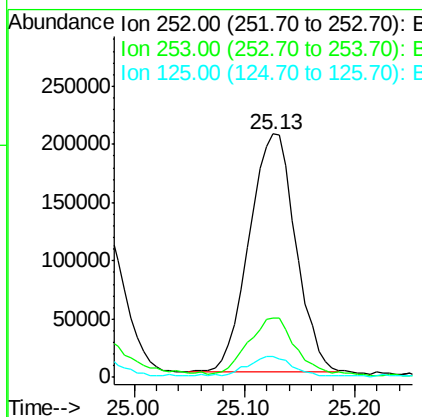
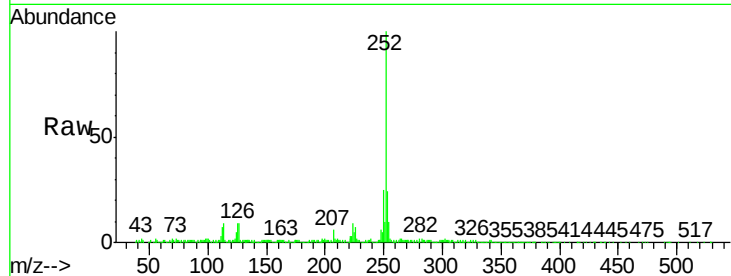


#88
Benzo(a)pyrene
Concen: 13.94 ng/ul
RT: 25.13 min Scan# 3794
Delta R.T. 0.00 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Instrument :
BNA_G
ClientSampleId :
PR002-SS002-0002-01

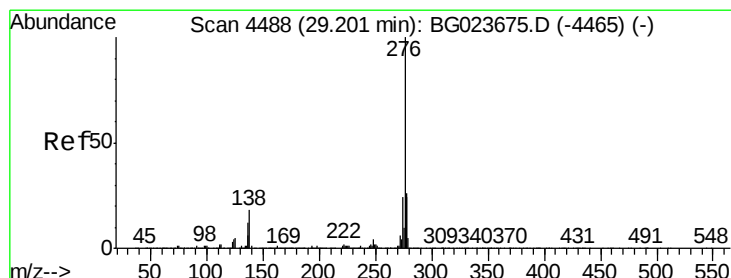
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	8.7	12.0	18.0

Manual Integrations
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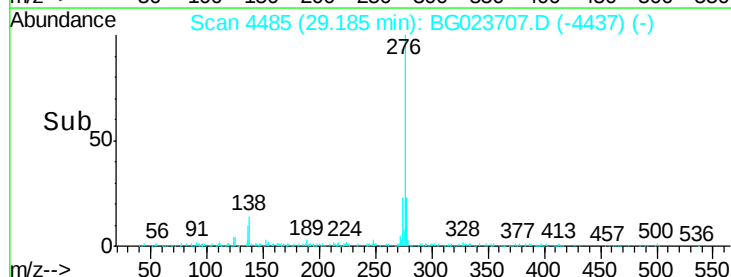
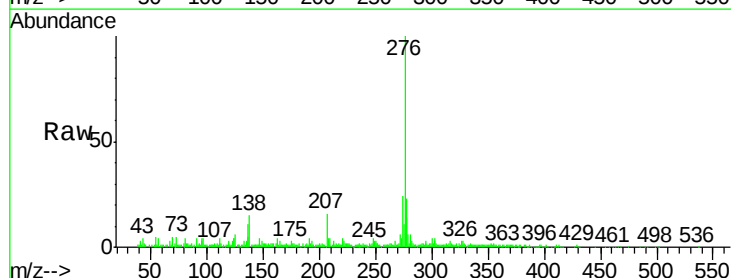
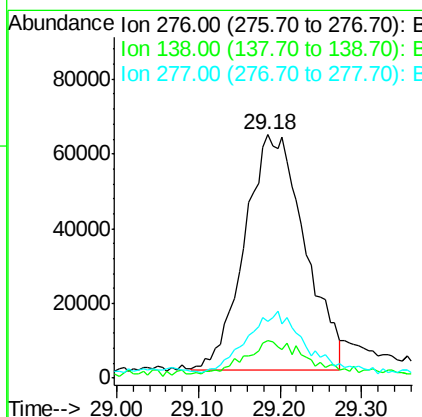
umangi

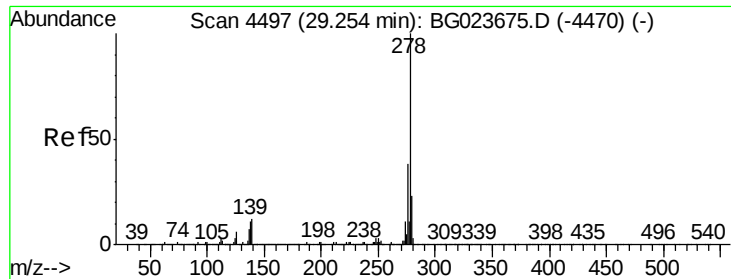
8/16/2016 6:59:58 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 6.32 ng/ul m
RT: 29.18 min Scan# 4485
Delta R.T. -0.02 min
Lab File: BG023707.D
Acq: 14 Aug 2016 3:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	20.8	31.2
277	23.1	17.6	26.4





#90

Dibenzo(a,h)anthracene

Concen: 2.39 ng/ul m

RT: 29.23 min Scan# 4492

Delta R.T. -0.03 min

Lab File: BG023707.D

Acq: 14 Aug 2016 3:18

Instrument :

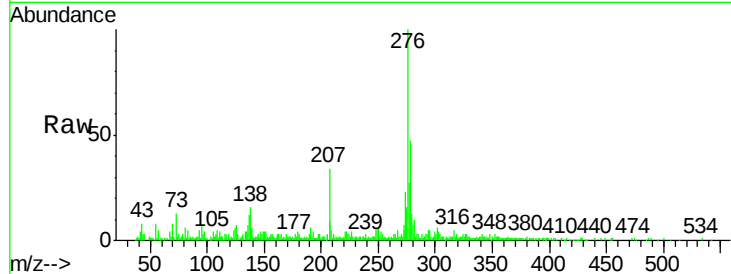
BNA_G

ClientSampleId :

PR002-SS002-0002-01

Tot Ion:	278	Resp:	103372
Ion Ratio	Lower	Upper	
278	100		
139	12.4	16.3	24.5#
279	28.0	19.1	28.7

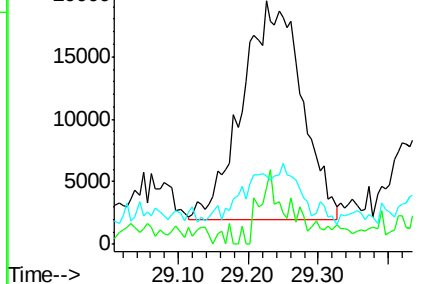
Manual Integrations
APPROVED



Abundance Ion 278.00 (277.70 to 278.70): E

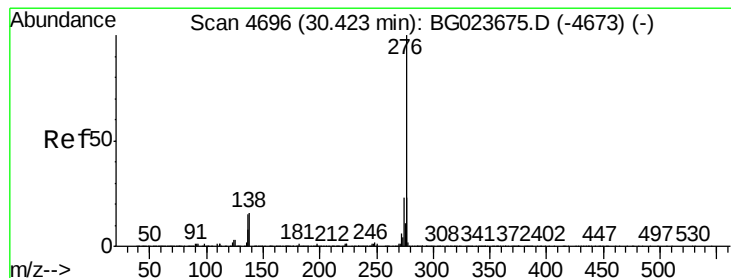
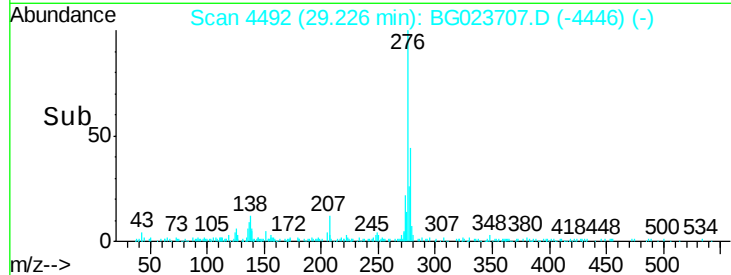
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



umangi

8/16/2016 6:59:58 PM



#91

Benzo(g,h,i)perylene

Concen: 6.74 ng/ul

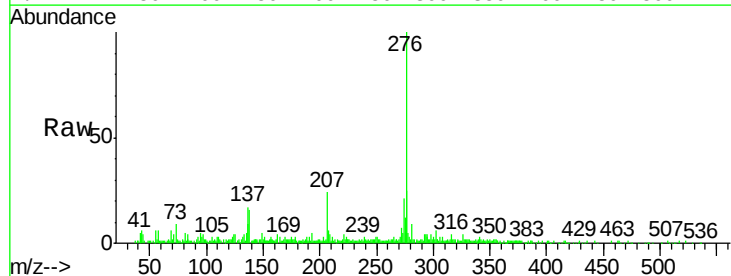
RT: 30.42 min Scan# 4696

Delta R.T. 0.00 min

Lab File: BG023707.D

Acq: 14 Aug 2016 3:18

Tgt Ion:	276	Resp:	283121
Ion Ratio	Lower	Upper	
276	100		
138	16.1	22.1	33.1#
277	25.1	17.0	25.4



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

