

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020459.D
 Acq On : 24 Dec 2015 1:23
 Operator : UM/SJ
 Sample : G4866-12DL 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E43M4DL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:31:36 PM

Quant Time: Dec 24 06:13:36 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20801	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	91075	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	64309	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	153001	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	185812	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	178276	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	136	0.36	ng/uL	0.00
5) Phenol-d5	7.24	99	5714	3.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	4340	3.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	5428	4.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1010	0.64	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	2842m	4.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	3114	3.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	5350	3.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1255	0.70	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	24051	4.62	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	28026	4.63	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	1100m	1.18	ng/ul	0.00
58) Fluorene-d10	15.71	176	22438	4.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	1852	2.04	ng/ul	0.00
71) Anthracene-d10	17.56	188	33714	4.78	ng/ul	0.00
79) Pyrene-d10	19.84	212	39379	4.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	43012	4.84	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	8158	1.72	ng/ul	96
50) Acenaphthene	14.78	153	19951	4.61	ng/ul	98
54) Dibenzofuran	15.11	168	12897	2.00	ng/ul	94
59) Fluorene	15.76	166	19414	3.76	ng/ul	98
70) Phenanthrene	17.50	178	328436	39.24	ng/ul	99
72) Anthracene	17.60	178	62567	7.37	ng/ul	98
75) Carbazole	17.86	167	35404	4.96	ng/ul	99
77) Fluoranthene	19.51	202	637638	65.19	ng/ul	99
80) Pvrene	19.87	202	538469	47.88	ng/ul	100
83) Benzo(a)anthracene	21.72	228	287420	26.51	ng/ul	98
85) Chrysene	21.79	228	292562	28.65	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	403984	37.65	ng/ul	95
89) Benzo(k)fluoranthene	24.03	252	128733	12.50	ng/ul	99
91) Benzo(a)pyrene	24.85	252	280080m	27.54	ng/ul	
92) Indeno(1,2,3-cd)pyrene	28.74	276	201685	16.65	ng/ul	97
93) Dibenzo(a,h)anthracene	28.78	278	48474m	4.82	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	182010	18.33	ng/ul	98

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

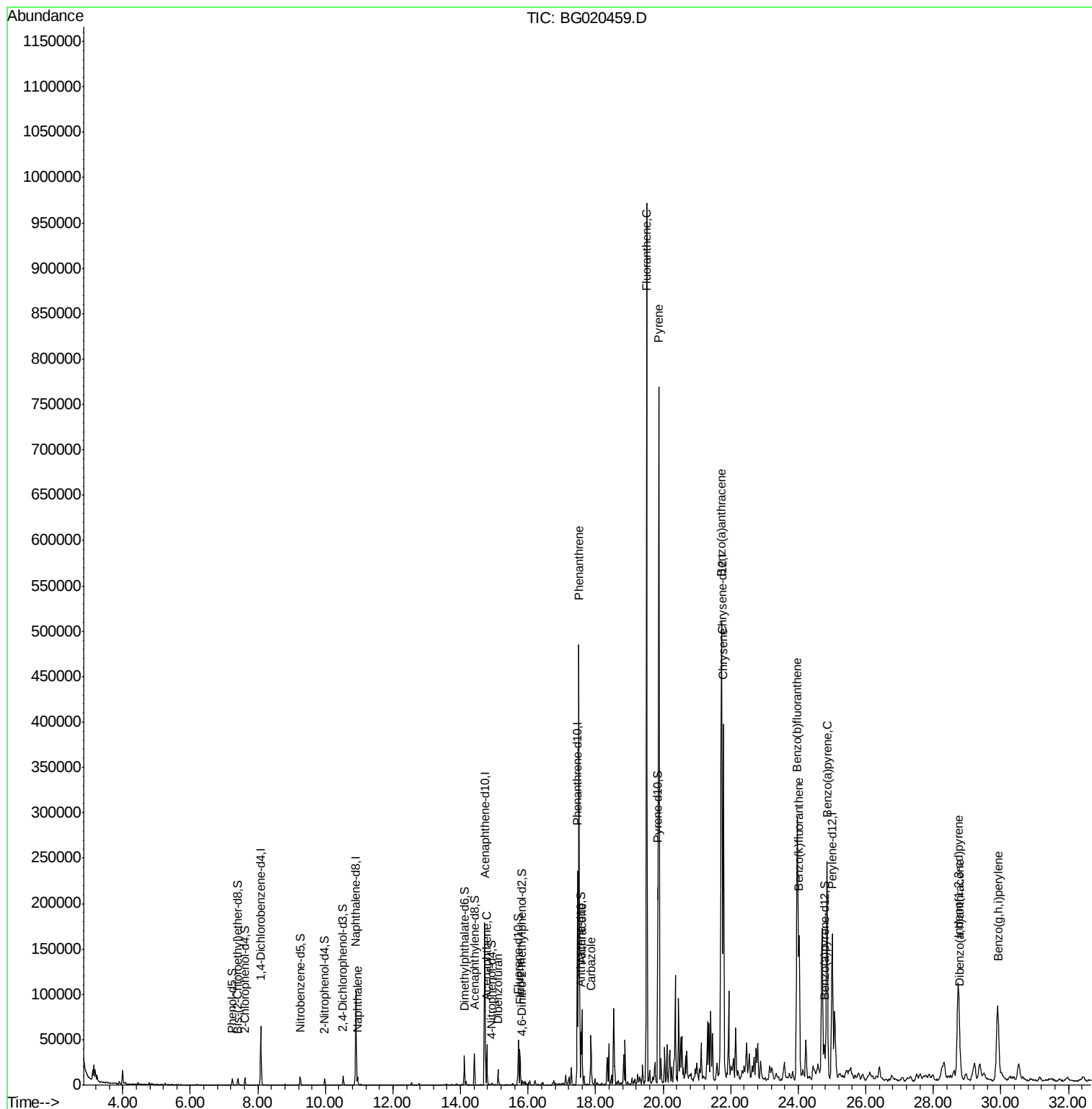
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020459.D
Acq On : 24 Dec 2015 1:23
Operator : UM/SJ
Sample : G4866-12DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

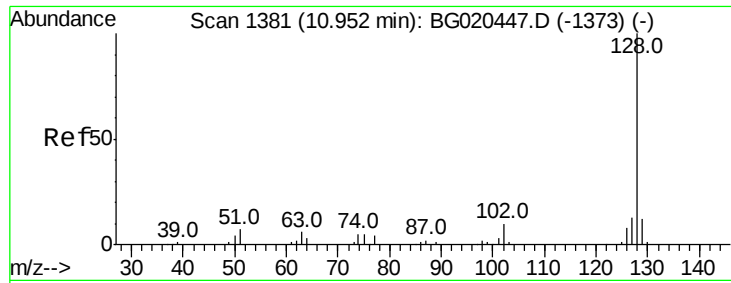
Instrument :
BNA_G
ClientSampleId :
E43M4DL

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Quant Time: Dec 24 06:13:36 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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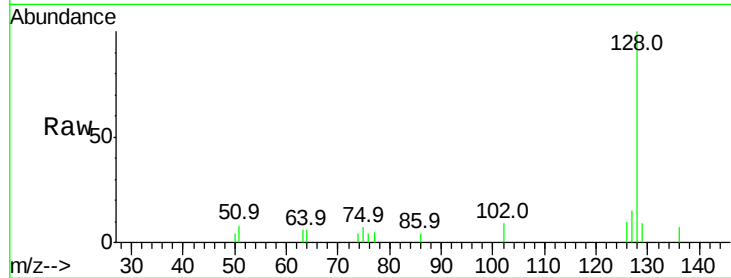
#28
Naphthalene
Concen: 1.72 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Instrument :
BNA_G
ClientSampleId :
E43M4DL

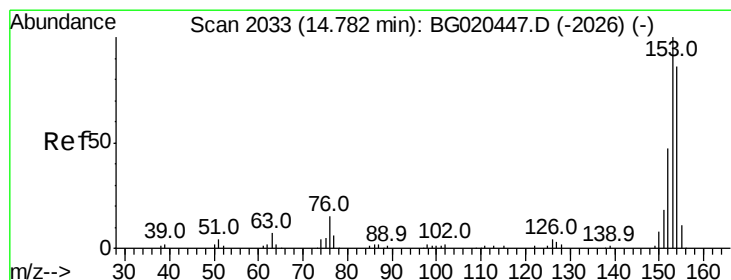
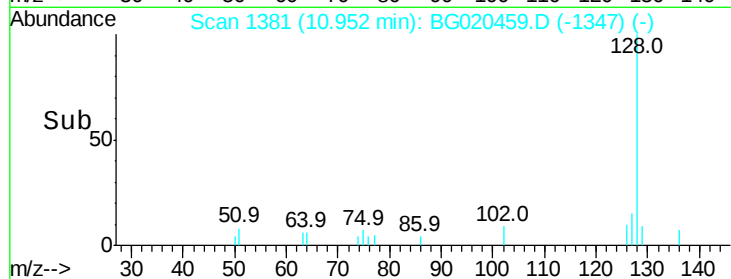
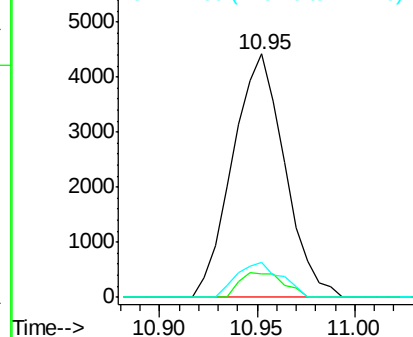
Tot Ion	Ratio	Lower	Upper
128	100		
129	9.4	8.6	12.8
127	14.5	10.1	15.1

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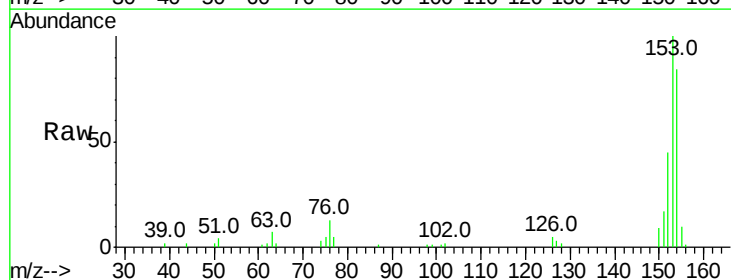


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Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

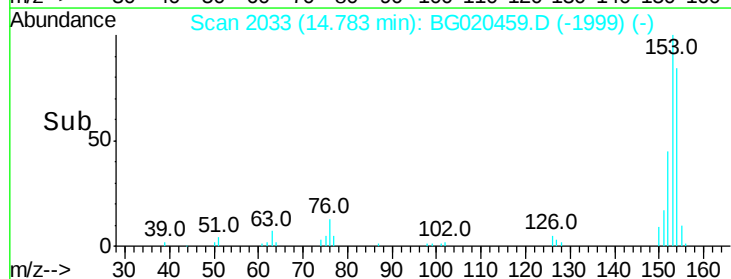
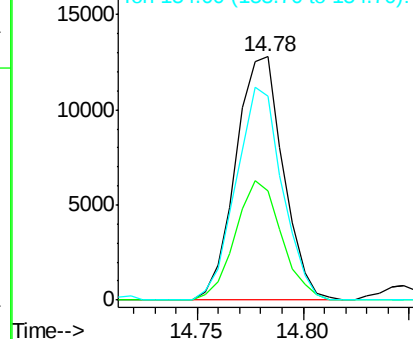


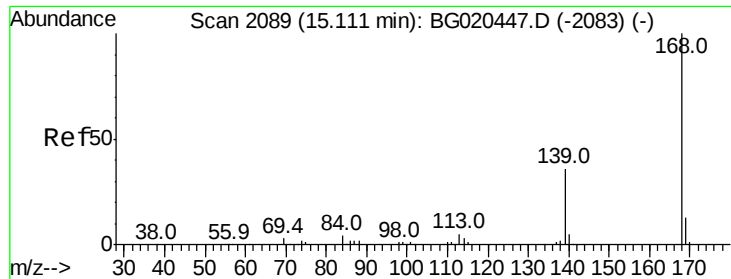
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Acenaphthene
Concen: 4.61 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.7	37.6	56.4
154	83.7	67.9	101.9



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





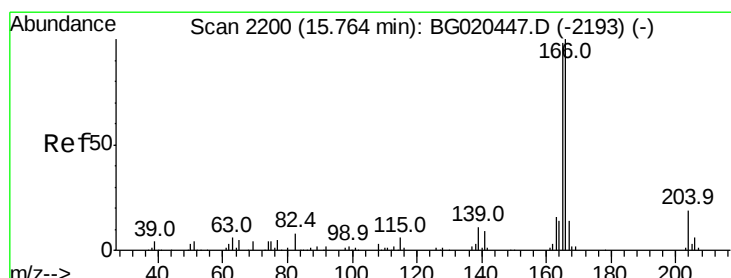
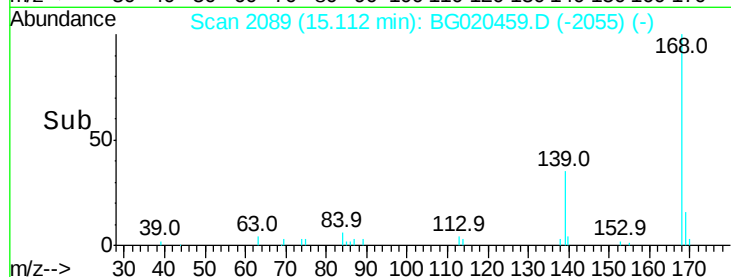
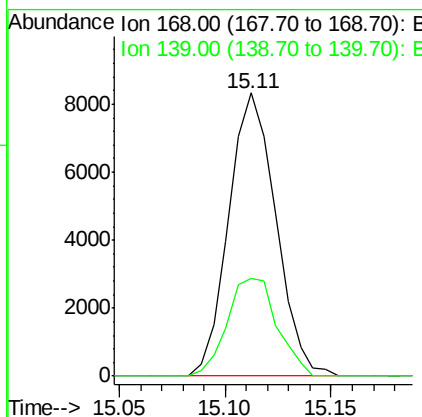
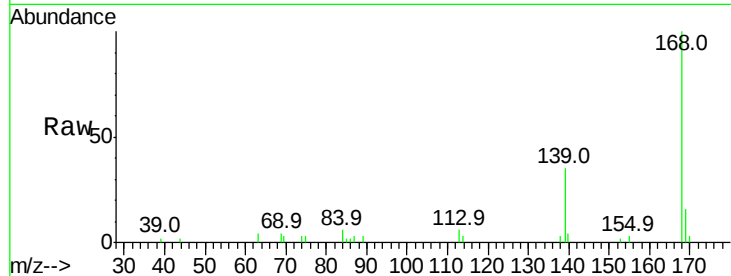
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Dibenzenofuran
Concen: 2.00 ng/ul
RT: 15.11 min Scan# 2089
Delta R.T. 0.00 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Instrument :
BNA_G
ClientSampleId :
E43M4DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.7	30.5	45.7

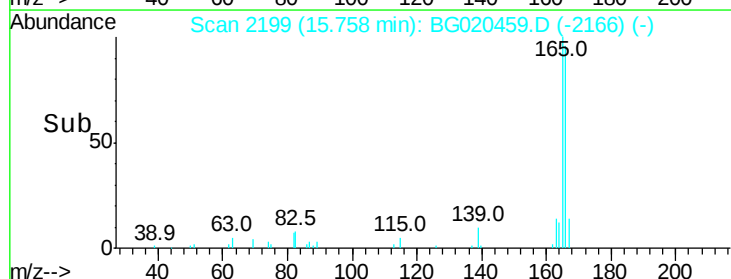
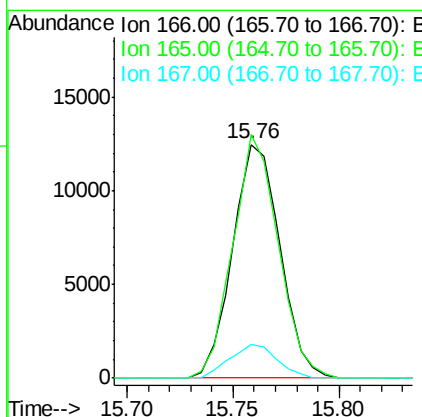
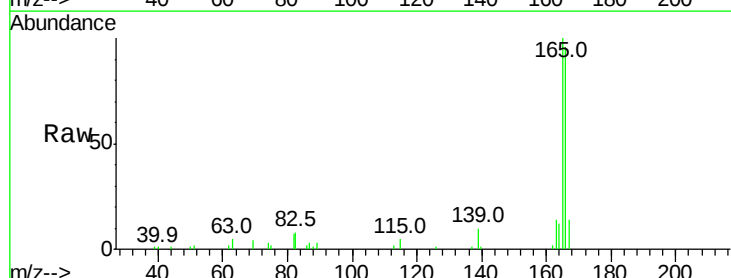
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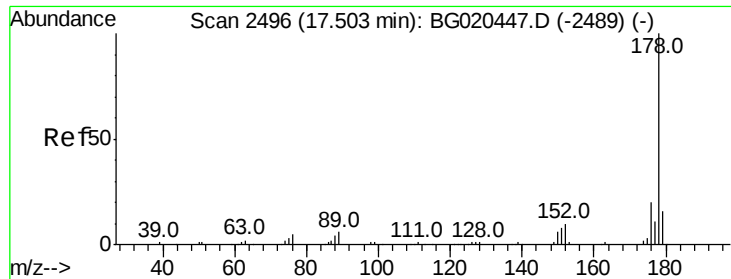
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#59
Fluorene
Concen: 3.76 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.1	81.4	122.0
167	14.1	11.2	16.8





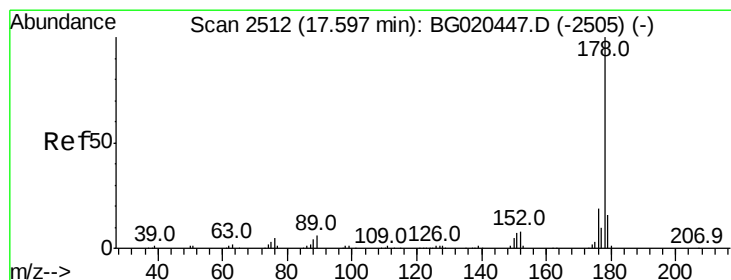
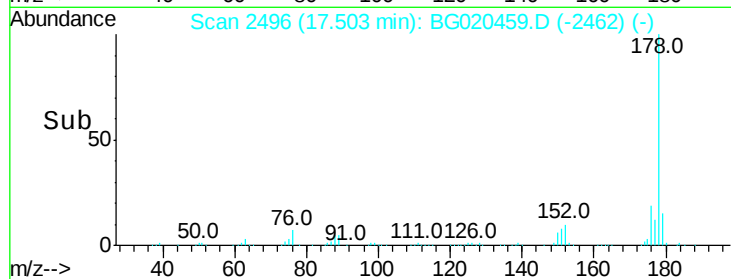
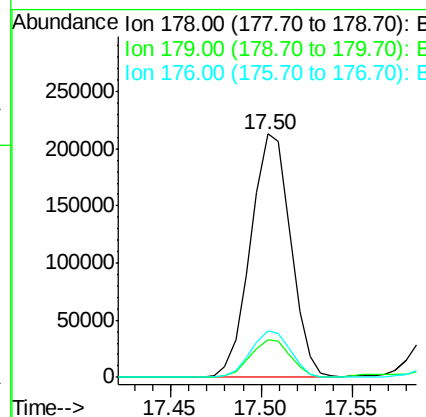
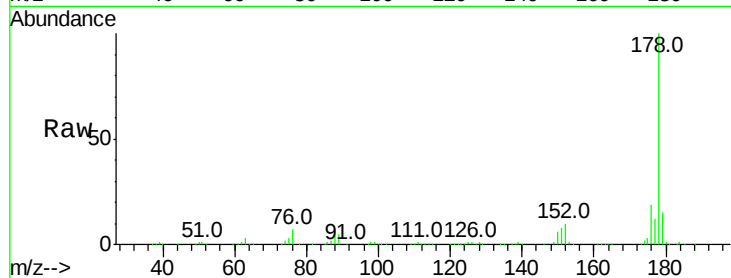
#70
 Phenanthrene
 Concen: 39.24 ng/ul
 RT: 17.50 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: BG020459.D
 Acq: 24 Dec 2015 1:23

Instrument :
 BNA_G
 ClientSampleID :
 E43M4DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.9	19.3
176	19.0	15.3	22.9

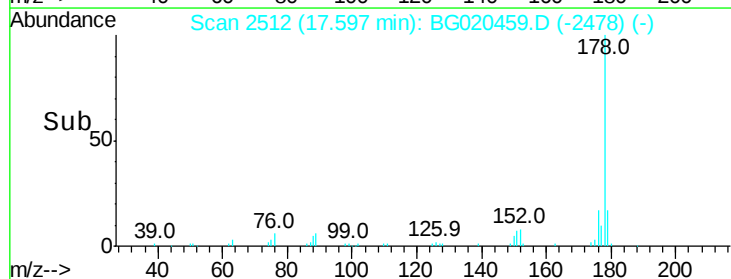
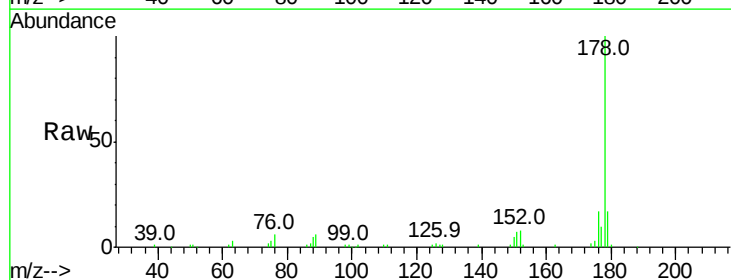
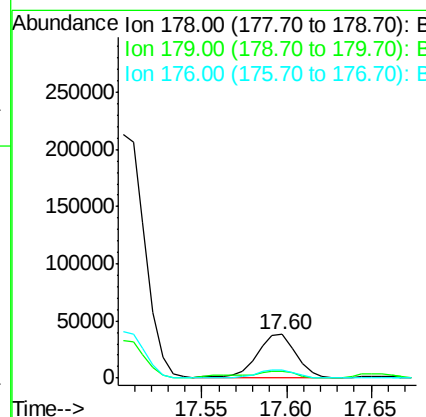
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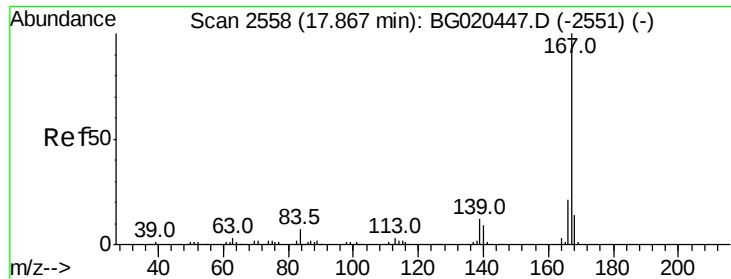
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#72
 Anthracene
 Concen: 7.37 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BG020459.D
 Acq: 24 Dec 2015 1:23

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.3	18.5
176	17.3	14.3	21.5





#75

Carbazole

Concen: 4.96 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

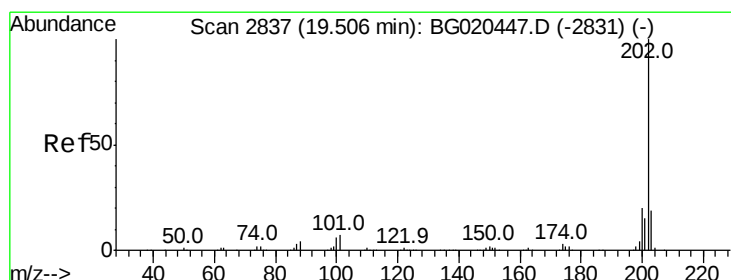
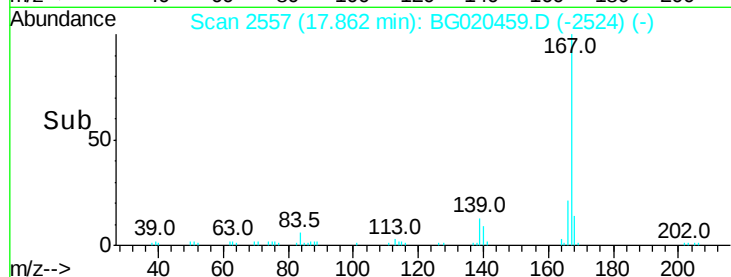
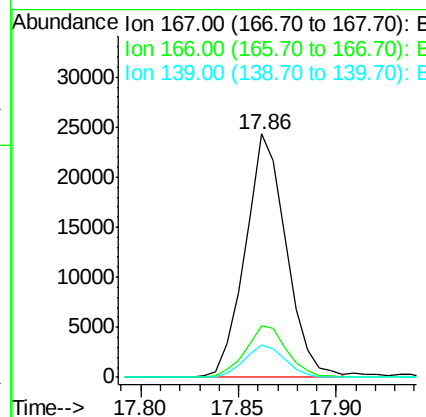
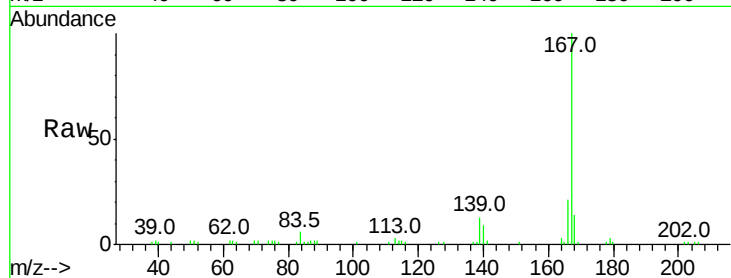
ClientSampleId :

E43M4DL

Tot Ion:	167	Resp:	35404
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.6
139	13.1	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 65.19 ng/ul

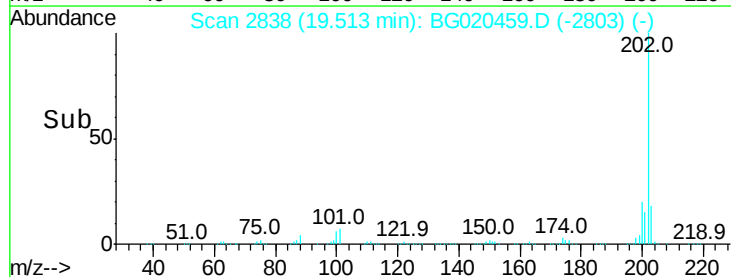
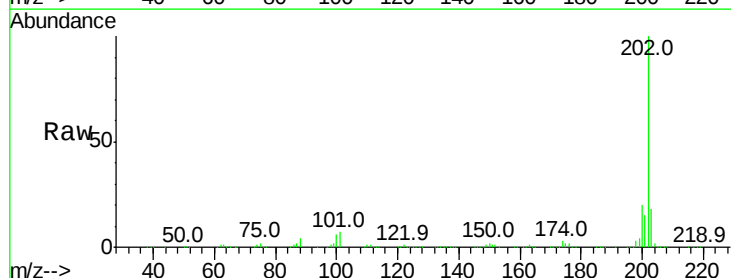
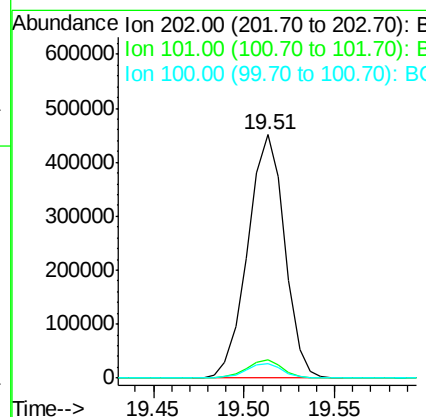
RT: 19.51 min Scan# 2838

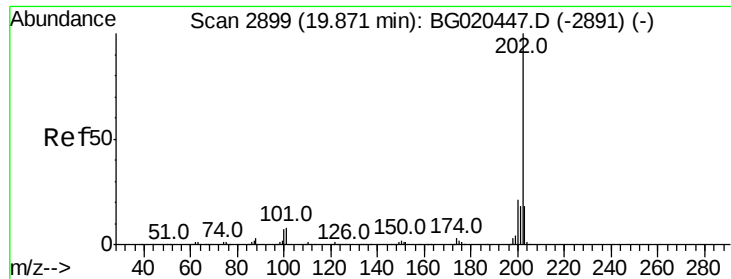
Delta R.T. 0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Tgt Ion:	202	Resp:	637638
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.2	9.4
100	6.0	5.1	7.7





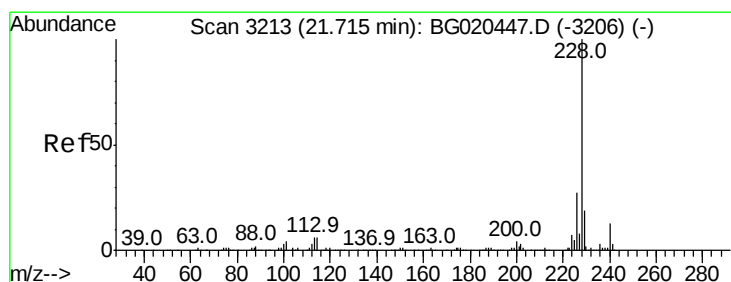
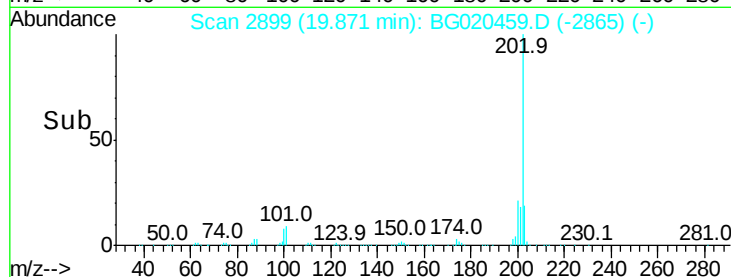
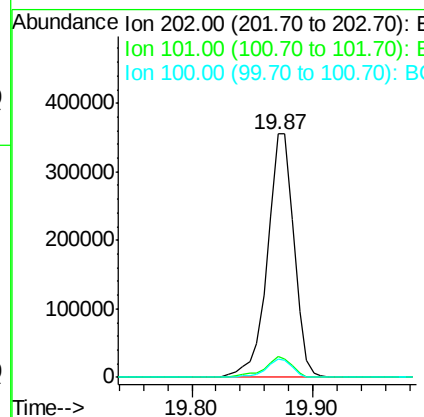
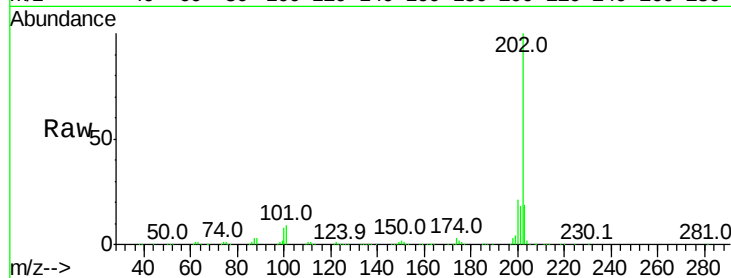
#80
Pvrene
Concen: 47.88 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Instrument :
BNA_G
ClientSampleId :
E43M4DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.7	7.0	10.4
100	7.7	6.4	9.6

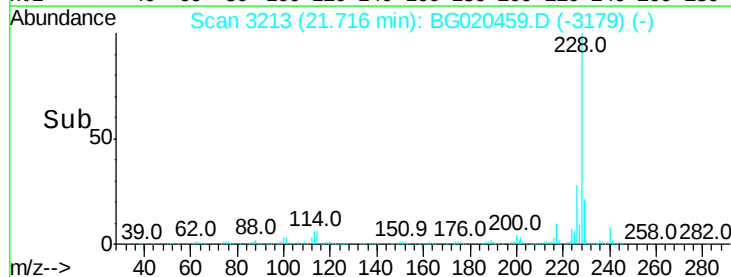
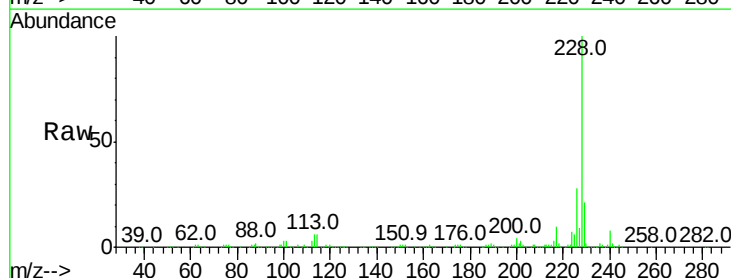
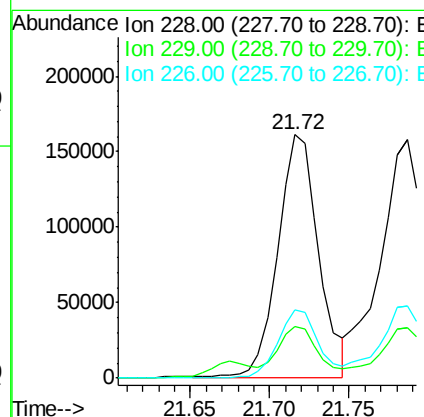
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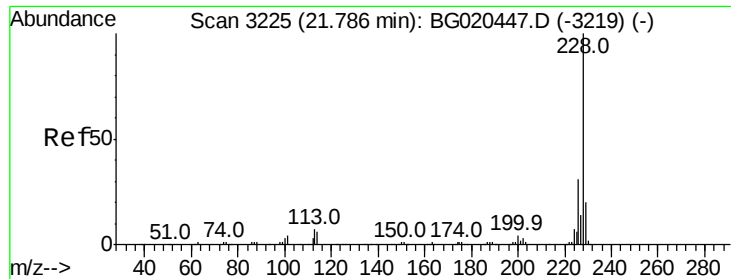
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#83
Benzo(a)anthracene
Concen: 26.51 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.3	15.8	23.8
226	27.8	21.8	32.6





#85

Chrysene

Concen: 28.65 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

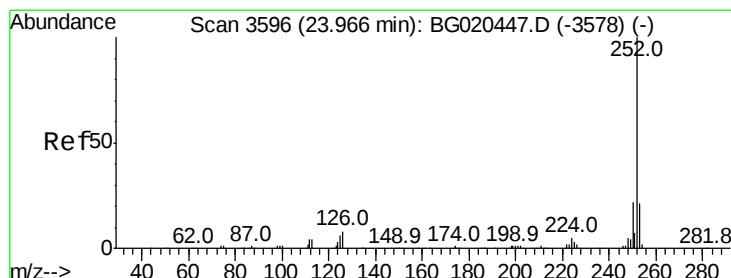
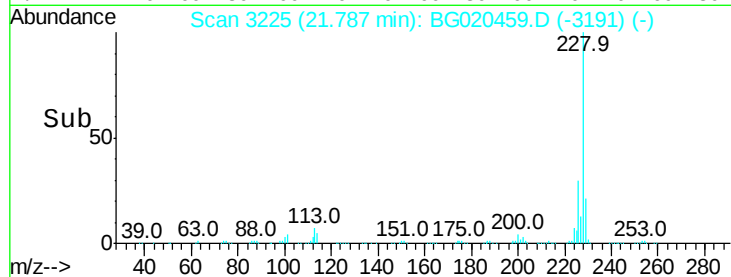
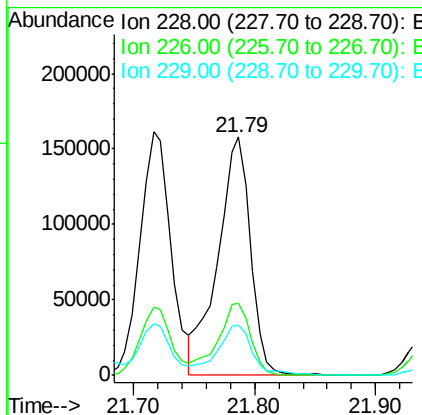
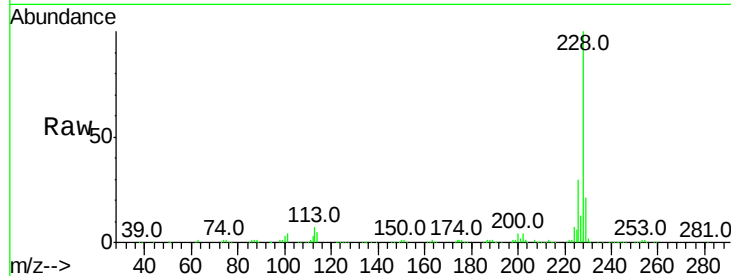
ClientSampleId :

E43M4DL

Tot Ion:	228	Resp:	292562
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.9	35.9
229	21.4	15.6	23.4

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 37.65 ng/ul

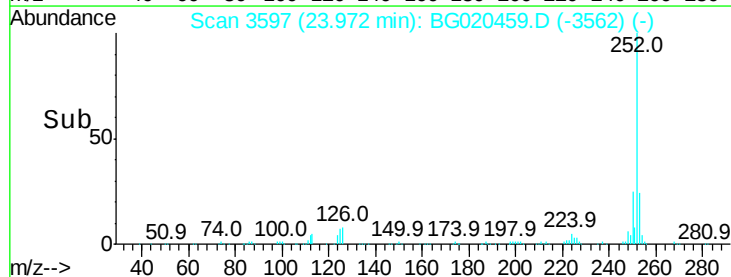
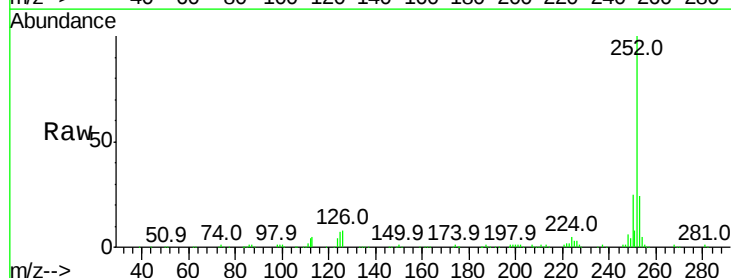
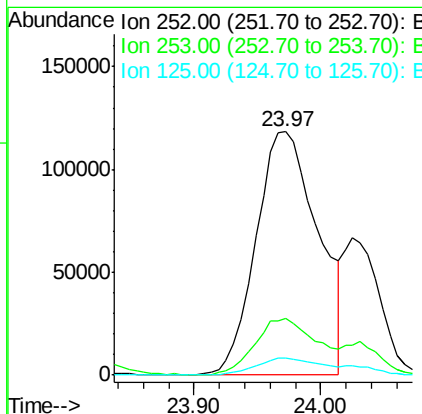
RT: 23.97 min Scan# 3597

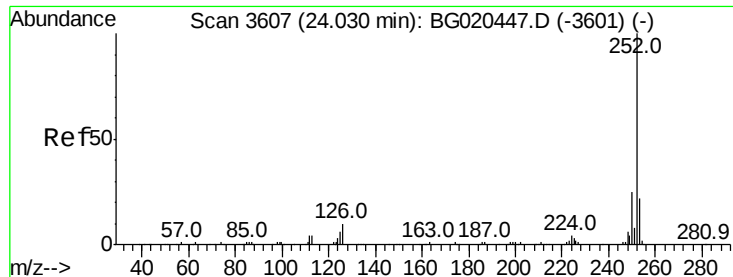
Delta R.T. 0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Tgt Ion:	252	Resp:	403984
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.7	25.1
125	7.0	6.2	9.2





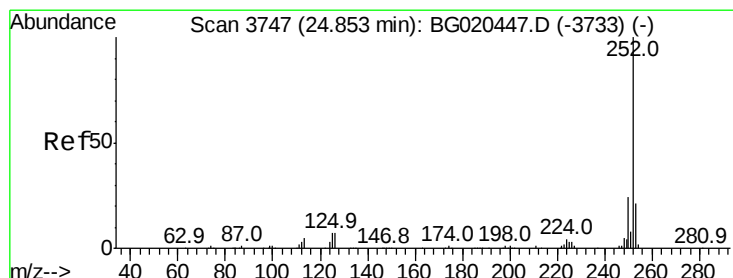
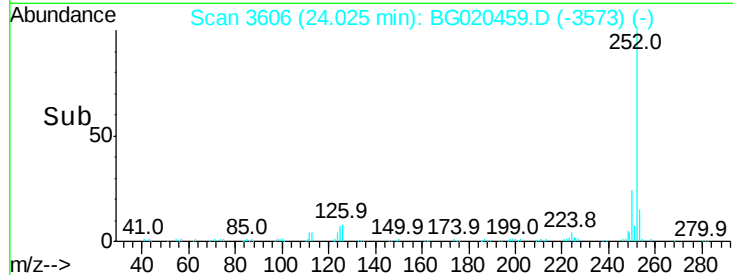
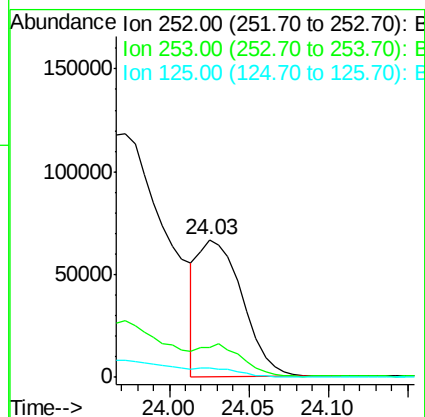
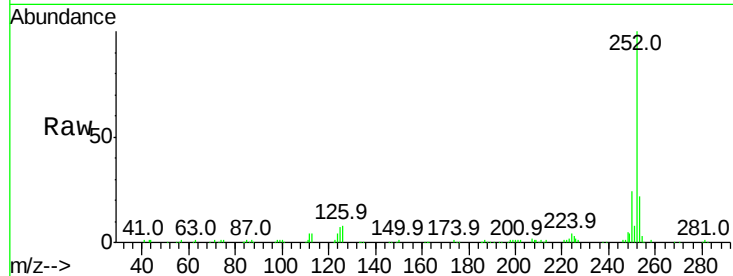
#89
Benzo(k)fluoranthene
Concen: 12.50 ng/ul
RT: 24.03 min Scan# 3606
Delta R.T. -0.01 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Instrument :
BNA_G
ClientSampleId :
E43M4DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	128733		
253	22.1	17.9	26.9	
125	6.5	5.8	8.6	

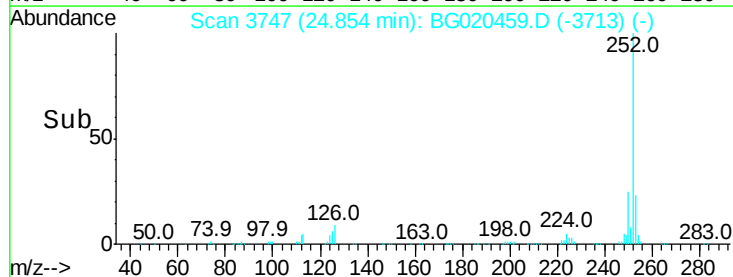
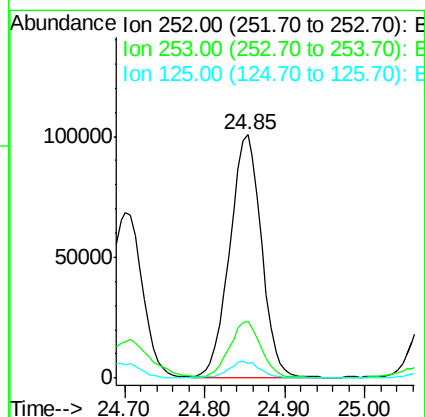
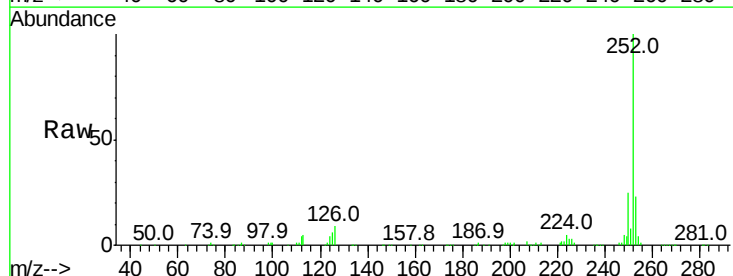
Manual Integrations
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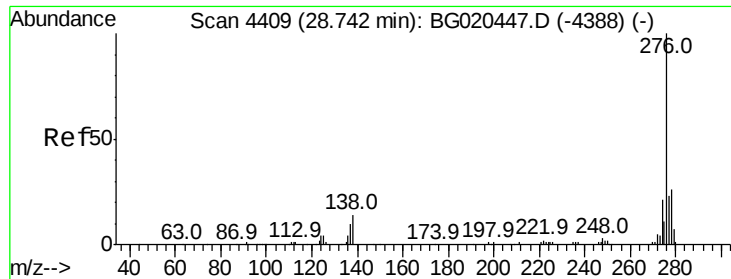
Sohil
12/24/2015 5:31:36 PM



#91
Benzo(a)pyrene
Concen: 27.54 ng/ul m
RT: 24.85 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BG020459.D
Acq: 24 Dec 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	280080		
253	23.3	17.0	25.4	
125	6.0	6.2	9.4#	





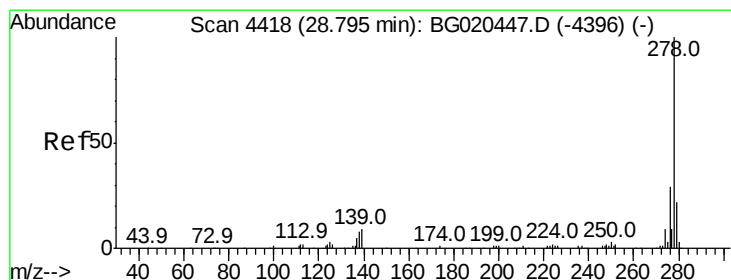
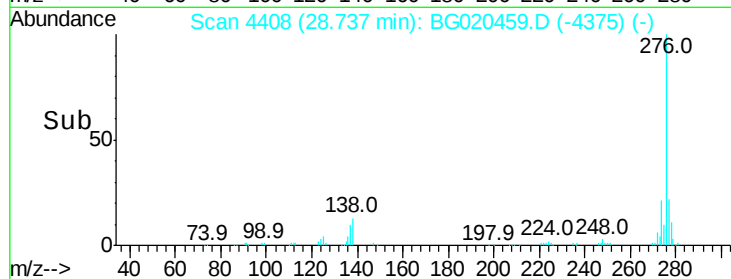
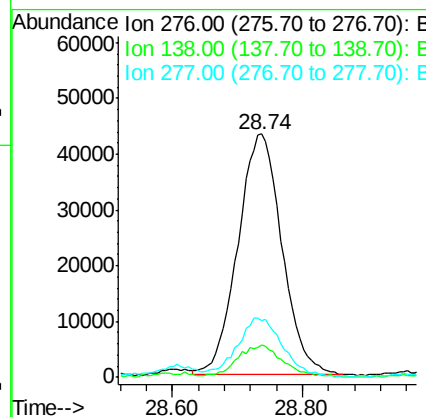
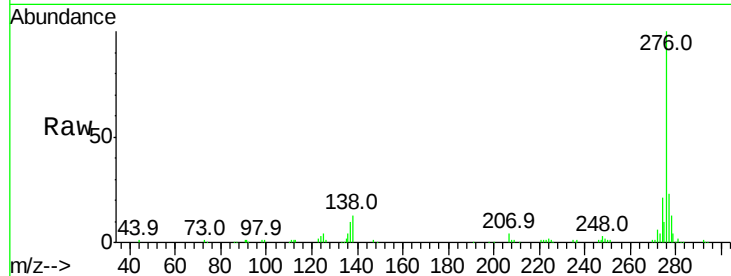
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 16.65 ng/ul
 RT: 28.74 min Scan# 4408
 Delta R.T. -0.01 min
 Lab File: BG020459.D
 Acq: 24 Dec 2015 1:23

Instrument :
 BNA_G
 ClientSampleId :
 E43M4DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	201685		
138	13.3		11.4	17.0
277	23.1		17.4	26.0

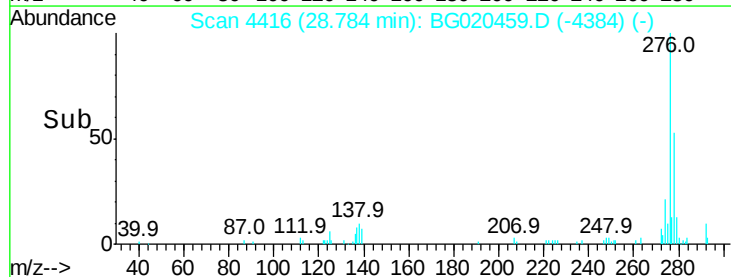
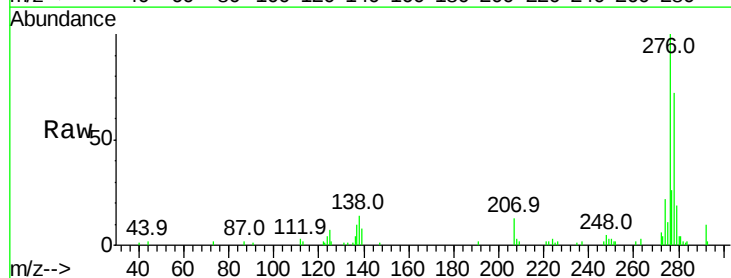
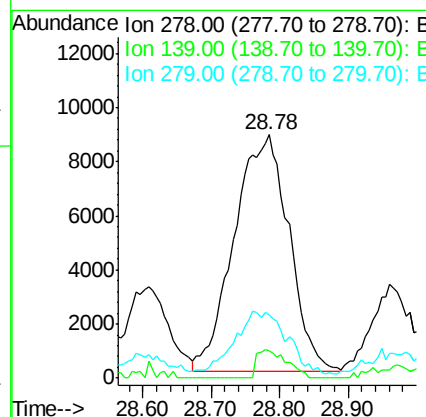
Manual Integrations
 APPROVED

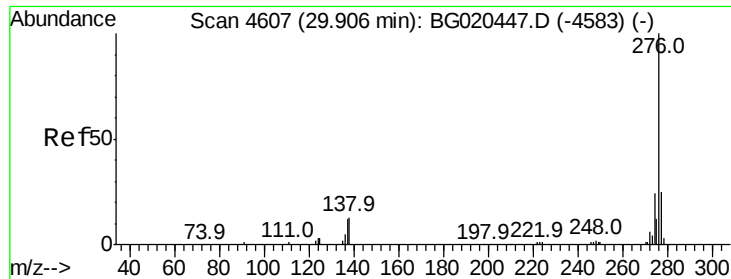
Sohil
 12/24/2015 5:31:36 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 4.82 ng/ul m
 RT: 28.78 min Scan# 4416
 Delta R.T. -0.01 min
 Lab File: BG020459.D
 Acq: 24 Dec 2015 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	48474		
139	11.3		9.4	14.2
279	26.0		19.4	29.0





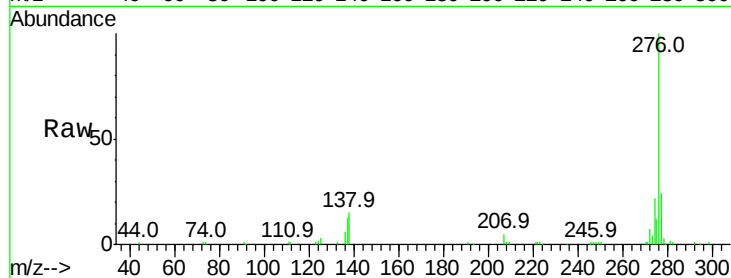
#94
 Benzo(a,h,i)perylene
 Concen: 18.33 ng/ul
 RT: 29.91 min Scan# 4607
 Delta R.T. 0.00 min
 Lab File: BG020459.D
 Acq: 24 Dec 2015 1:23

Instrument :
 BNA_G
 ClientSampleId :
 E43M4DL

Tot Ion:	276	Resp:	182010
Ion Ratio	Lower	Upper	
276	100		
138	14.5	10.8	16.2
277	24.4	19.9	29.9

Manual Integrations
 APPROVED

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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

