

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
 Data File : BG027155.D
 Acq On : 25 May 2017 8:35
 Operator : SJ/MA
 Sample : I3275-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAC73

Manual Integrations
 APPROVED

mohammad
 5/26/2017 11:56:01 AM

Quant Time: May 25 10:49:20 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 06:05:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	175131	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	795250	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.63	164	389466	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.37	188	712112	20.00	ng/ul	0.00
17) Chrysene-d12	21.63	240	620366	20.00	ng/ul	0.02
22) Perylene-d12	24.80	264	506639	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	14.32	160	903593	22.62	ng/ul	0.00
10) Fluorene-d10	15.62	176	566617	21.26	ng/ul	0.00
14) Anthracene-d10	17.47	188	784781m	22.60	ng/ul	0.00
18) Pyrene-d10	19.75	212	746108	23.03	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.59	264	573068	22.77	ng/ul	0.02

Target Compounds				Qvalue		
3) Naphthalene	10.86	128	531650	12.89	ng/ul	100
4) 2-Methylnaphthalene	12.46	142	164110	5.37	ng/ul	100
5) 1-Methylnaphthalene	12.68	142	122981	3.74	ng/ul#	95
9) Acenaphthene	14.69	153	531331	19.33	ng/ul	97
11) Fluorene	15.67	166	384026	13.11	ng/ul	96
13) Phenanthrene	17.41	178	3899882m	97.96	ng/ul	
15) Anthracene	17.50	178	1198846	29.31	ng/ul	97
16) Fluoranthene	19.42	202	4527975	111.26	ng/ul#	71
19) Pyrene	19.78	202	3894455	96.05	ng/ul#	71
20) Benzo(a)anthracene	21.60	228	2269516	60.72	ng/ul#	92
21) Chrysene	21.67	228	2180346m	63.54	ng/ul	
23) Benzo(b)fluoranthene	23.81	252	2295922	76.25	ng/ul#	91
24) Benzo(k)fluoranthene	23.86	252	1185818m	38.29	ng/ul	
26) Benzo(a)pyrene	24.66	252	1448978	49.19	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	28.45	276	642139	23.70	ng/ul#	81
28) Dibenzo(a,h)anthracene	28.48	278	150244m	6.43	ng/ul	
29) Benzo(g,h,i)perylene	29.58	276	444120m	20.61	ng/ul	

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

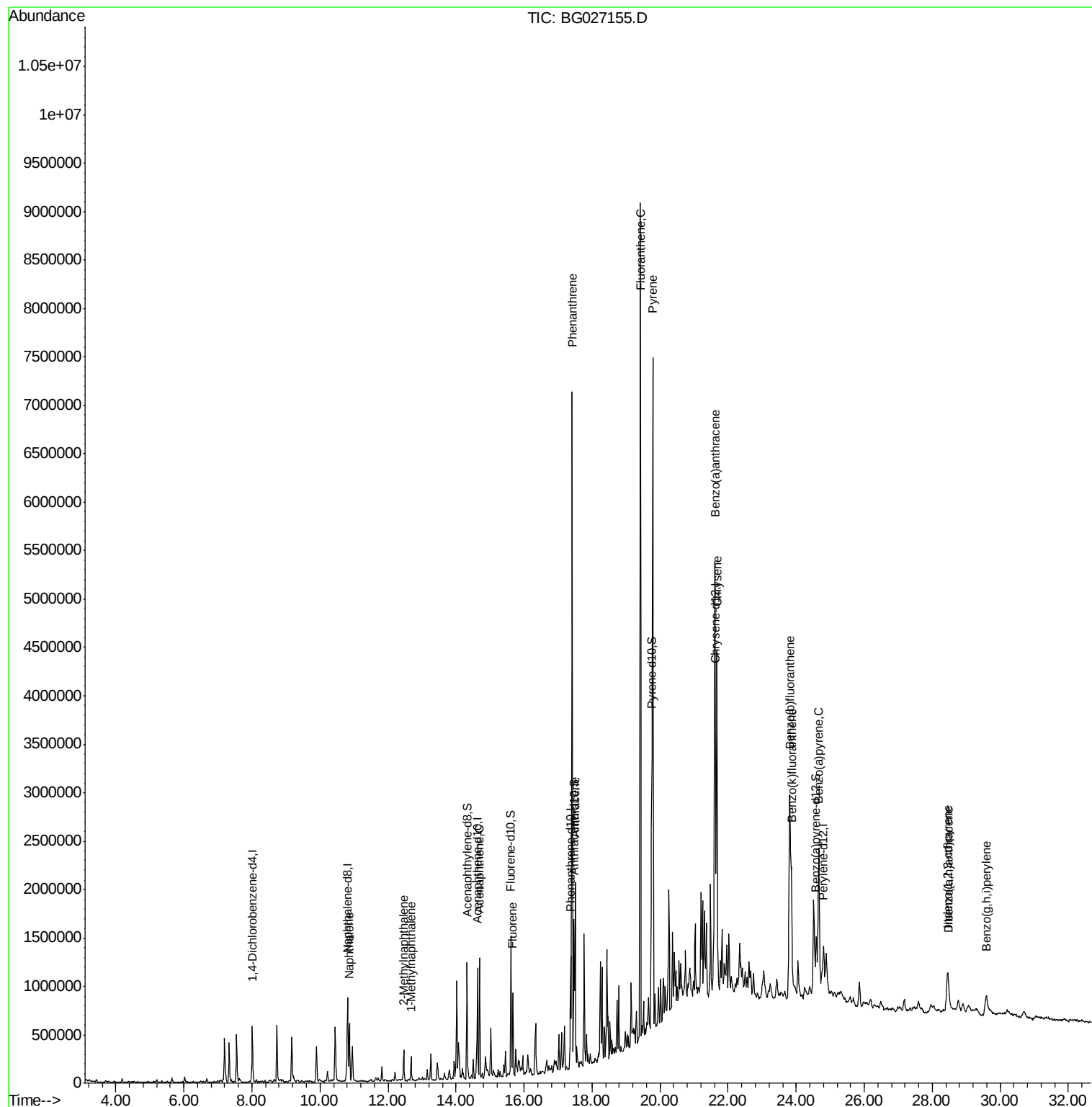
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
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ALS Vial : 24 Sample Multiplier: 1

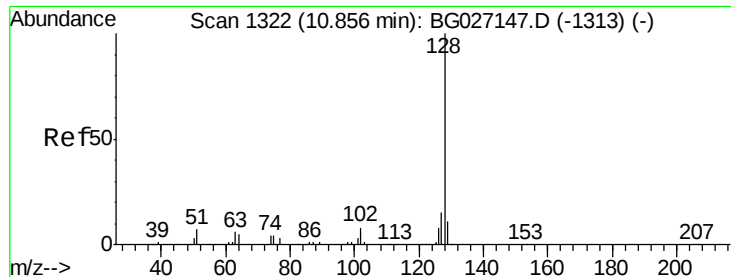
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 25 06:05:48 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 12.89 ng/ul

RT: 10.86 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Instrument :

BNA_G

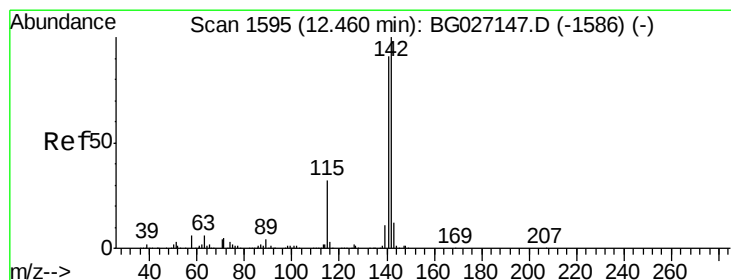
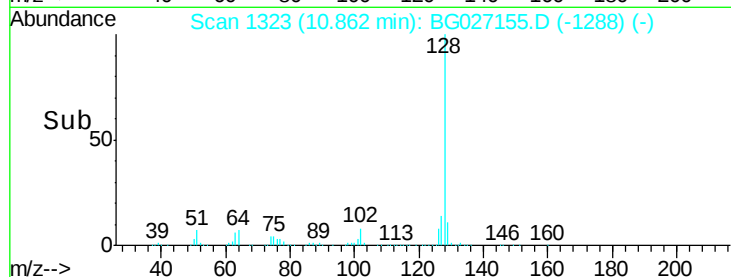
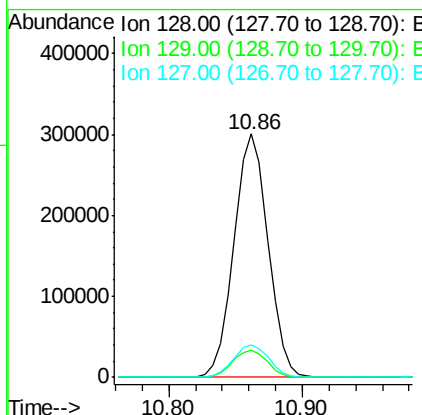
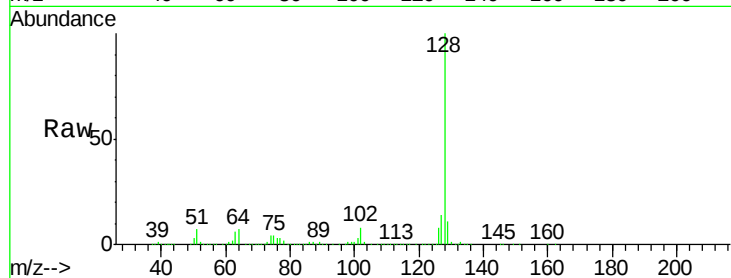
ClientSampleId :

DAC73

Tgt Ion:	128	Resp:	531650
Ion Ratio		Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.6	10.6	16.0

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#4

2-Methylnaphthalene

Concen: 5.37 ng/ul

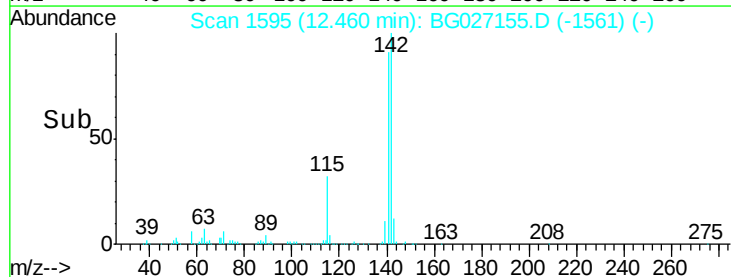
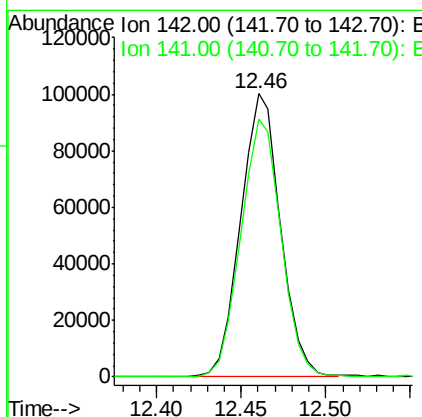
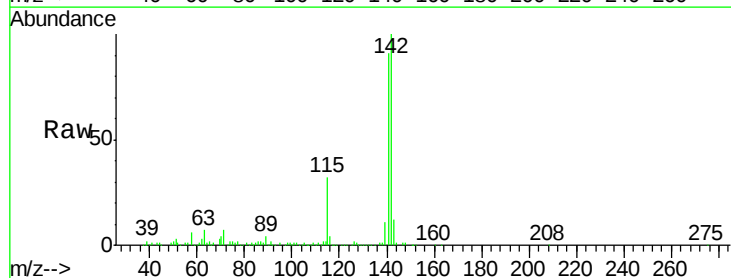
RT: 12.46 min Scan# 1595

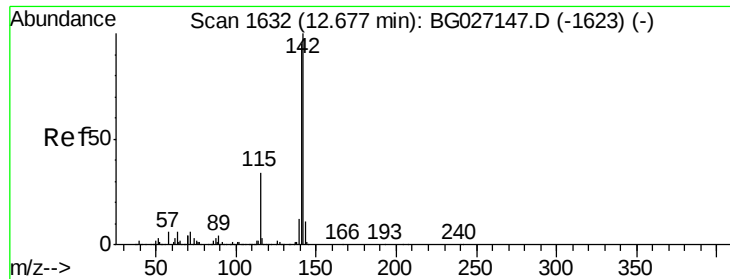
Delta R.T. 0.00 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Tgt Ion:	142	Resp:	164110
Ion Ratio		Lower	Upper
142	100		
141	90.8	72.7	109.1





#5

1-Methylnaphthalene

Concen: 3.74 ng/ul

RT: 12.68 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Instrument :

BNA_G

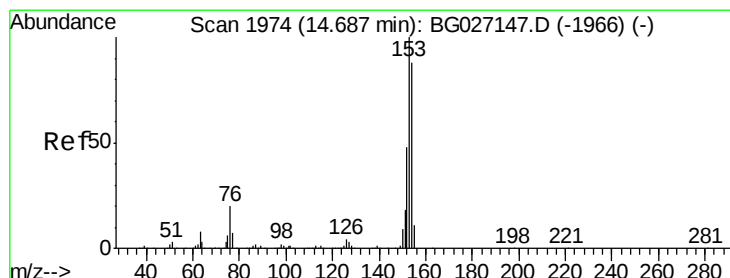
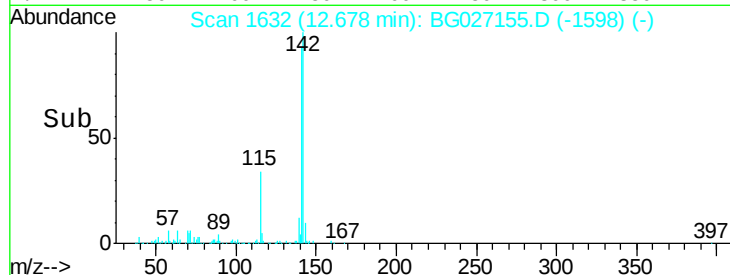
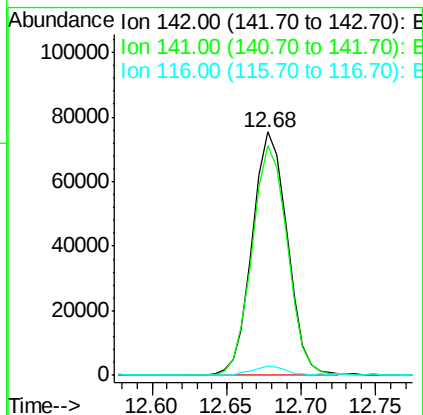
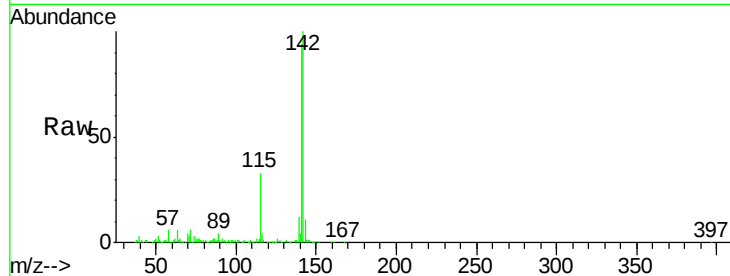
ClientSampleId :

DAC73

Tgt	Ion	Resp	Lower	Upper
142	100			
141	94.3	79.3	118.9	
116	3.8	4.2	6.2	

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#9

Acenaphthene

Concen: 19.33 ng/ul

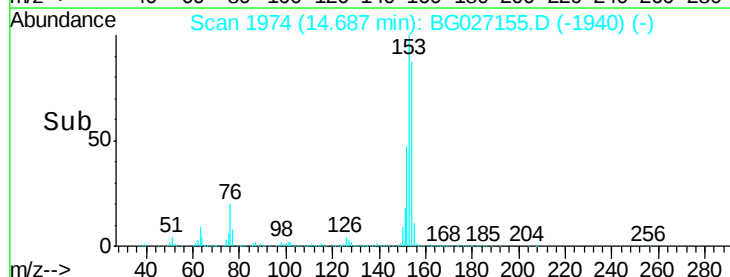
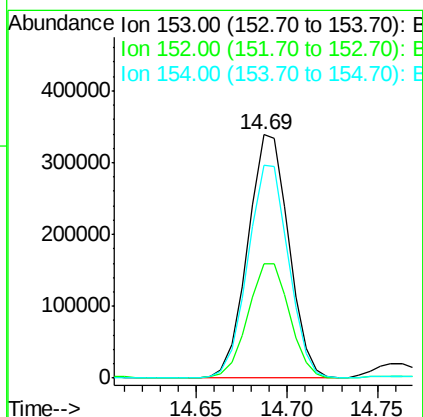
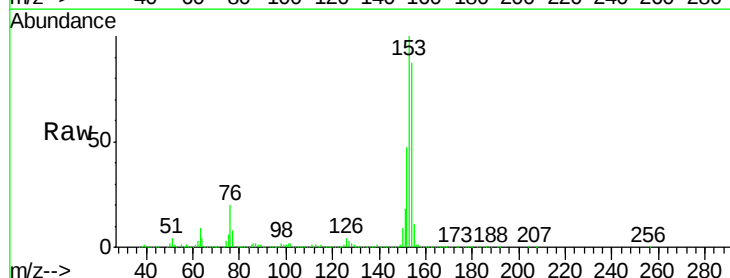
RT: 14.69 min Scan# 1974

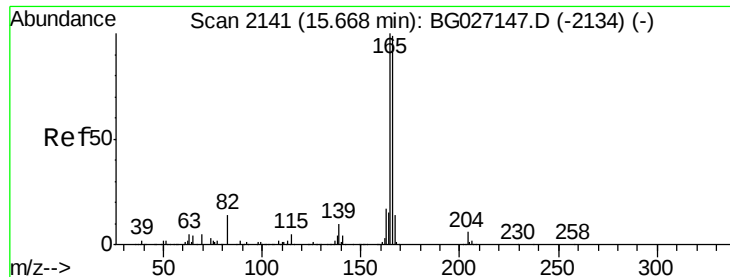
Delta R.T. 0.00 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Tgt	Ion	Resp	Lower	Upper
153	100			
152	47.2	39.0	58.6	
154	87.3	66.8	100.2	





#11

Fluorene

Concen: 13.11 ng/ul

RT: 15.67 min Scan# 2141

Delta R.T. 0.00 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Instrument :

BNA_G

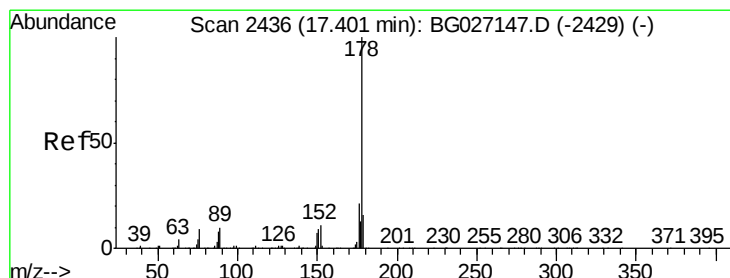
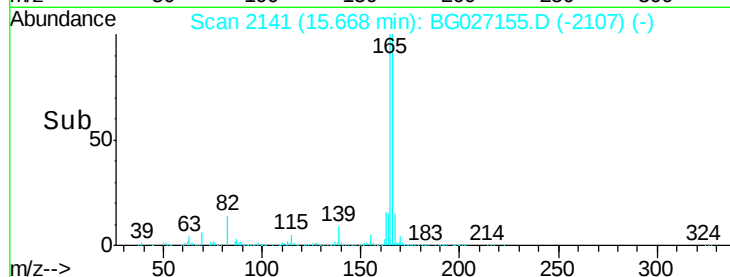
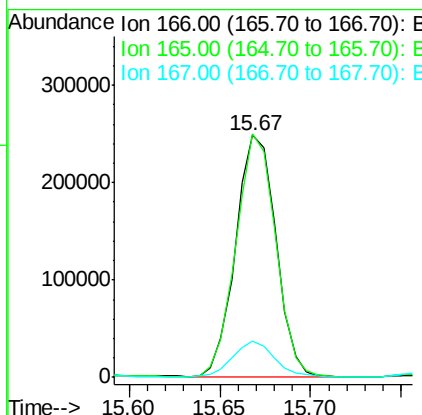
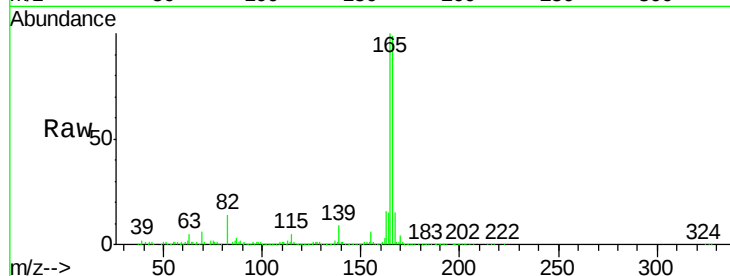
ClientSampleId :

DAC73

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.6	83.8	125.8	
167	14.8	11.5	17.3	

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#13

Phenanthrene

Concen: 97.96 ng/ul m

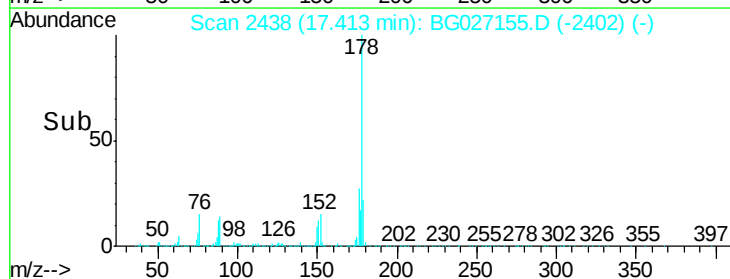
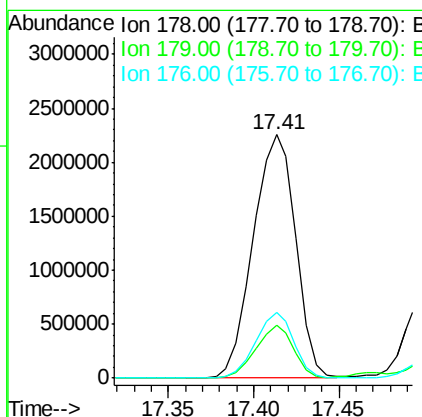
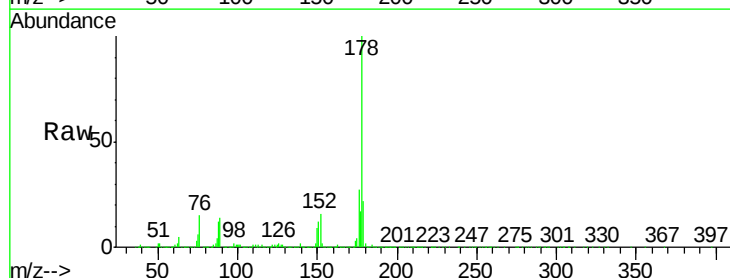
RT: 17.41 min Scan# 2438

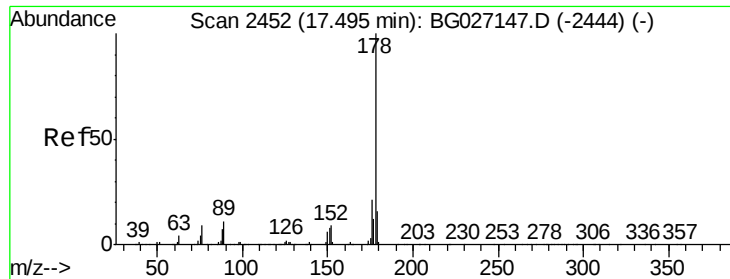
Delta R.T. 0.01 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	21.7	12.3	18.5#	
176	27.0	15.1	22.7#	





#15

Anthracene

Concen: 29.31 ng/ul

RT: 17.50 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Instrument :

BNA_G

ClientSampleId :

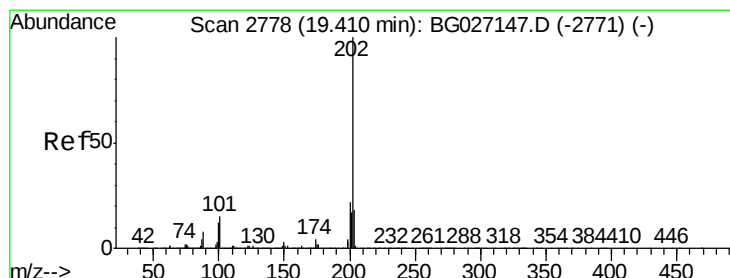
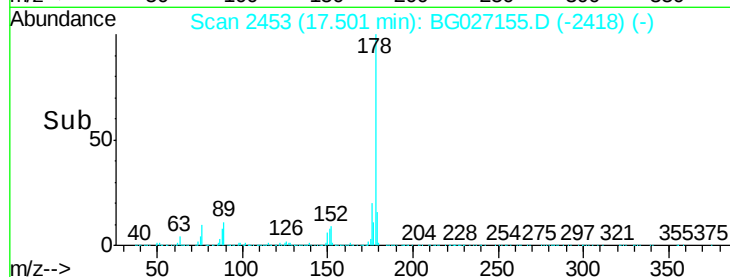
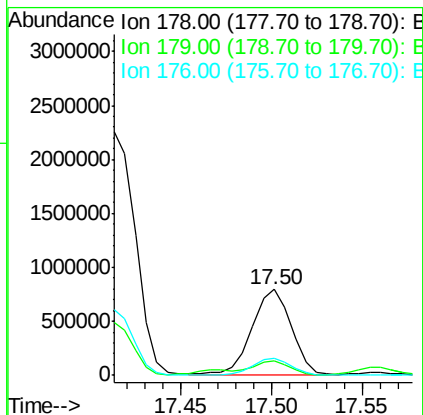
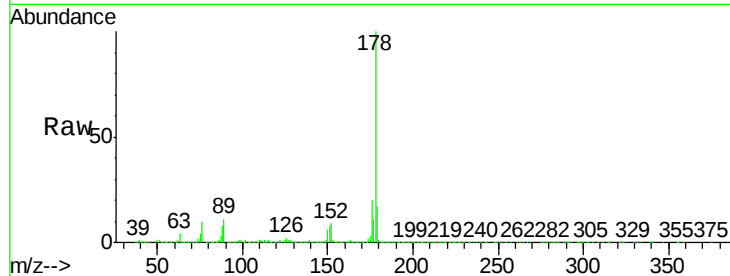
DAC73

Tgt Ion:178 Resp: 1198846

Ion	Ratio	Lower	Upper
178	100		
179	16.5	11.8	17.8
176	20.0	15.2	22.8

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#16

Fluoranthene

Concen: 111.26 ng/ul

RT: 19.42 min Scan# 2780

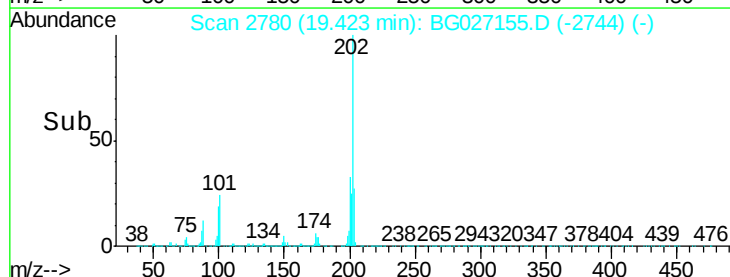
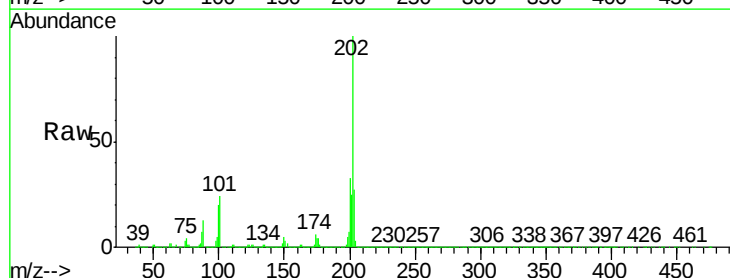
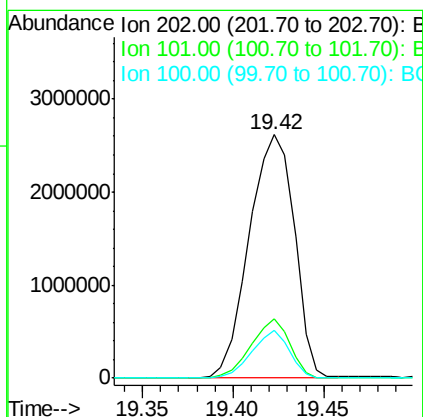
Delta R.T. 0.01 min

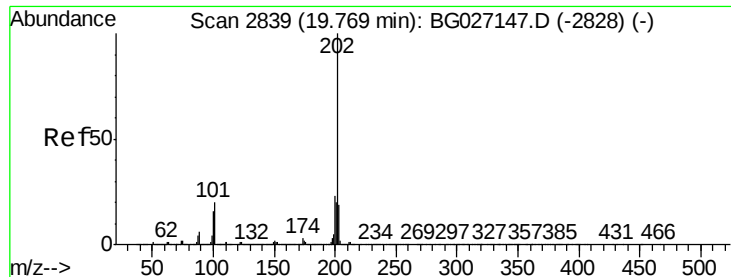
Lab File: BG027155.D

Acq: 25 May 2017 8:35

Tgt Ion:202 Resp: 4527975

Ion	Ratio	Lower	Upper
202	100		
101	24.2	9.9	14.9#
100	19.5	7.4	11.0#





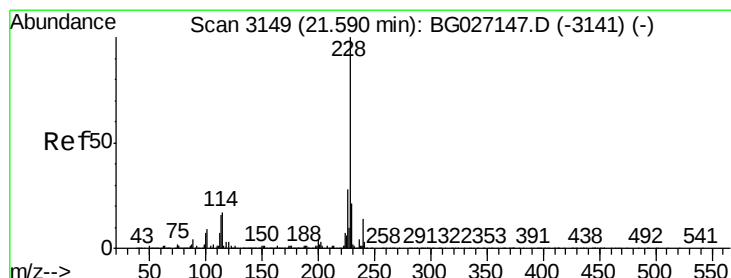
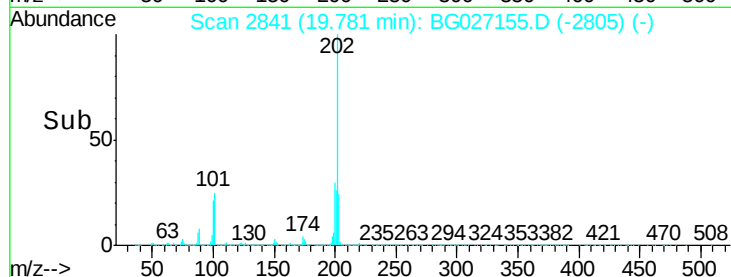
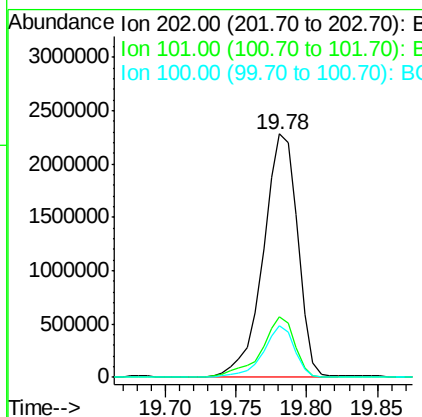
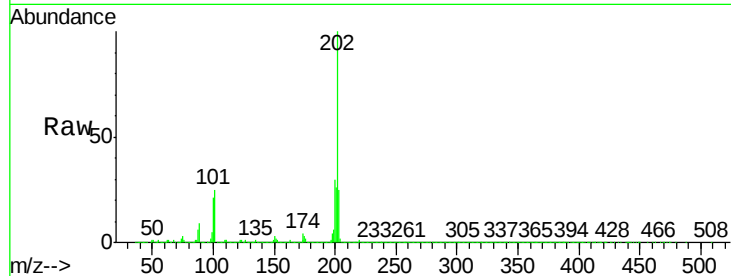
#19
 Pyrene
 Concen: 96.05 ng/ul
 RT: 19.78 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BG027155.D
 Acq: 25 May 2017 8:35

Instrument :
 BNA_G
 ClientSampleId :
 DAC73

Tgt Ion	Ratio	Lower	Upper
202	100		
101	25.0	11.0	16.4#
100	21.3	8.1	12.1#

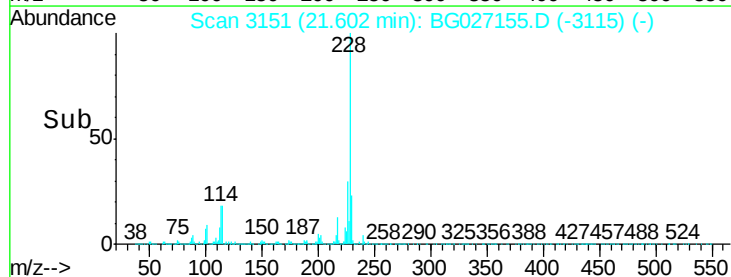
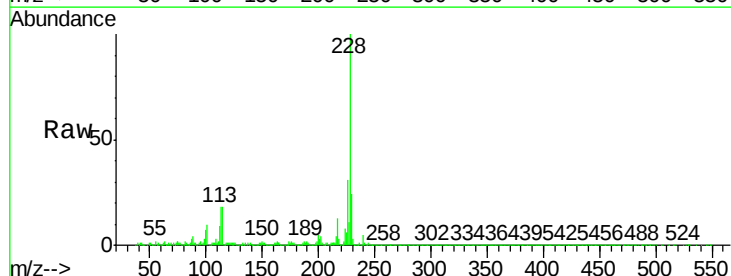
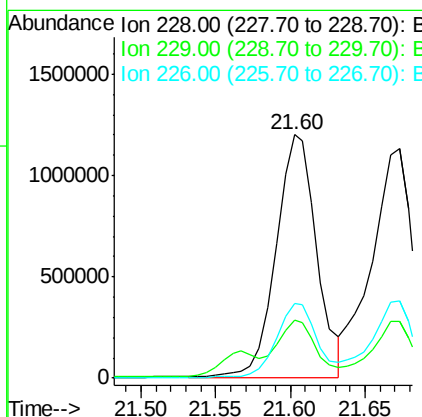
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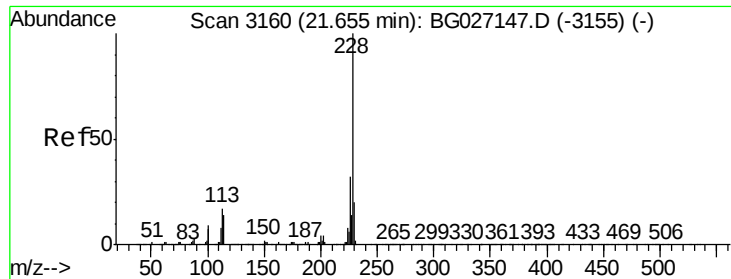
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#20
 Benzo(a)anthracene
 Concen: 60.72 ng/ul
 RT: 21.60 min Scan# 3151
 Delta R.T. 0.01 min
 Lab File: BG027155.D
 Acq: 25 May 2017 8:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.7	15.7	23.5#
226	30.5	21.1	31.7





#21

Chrysene

Concen: 63.54 ng/ul m

RT: 21.67 min Scan# 3163

Delta R.T. 0.02 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Instrument :

BNA_G

ClientSampleId :

DAC73

Tgt Ion:228 Resp: 2180346

Ion Ratio Lower Upper

228 100

226 33.8 24.5 36.7

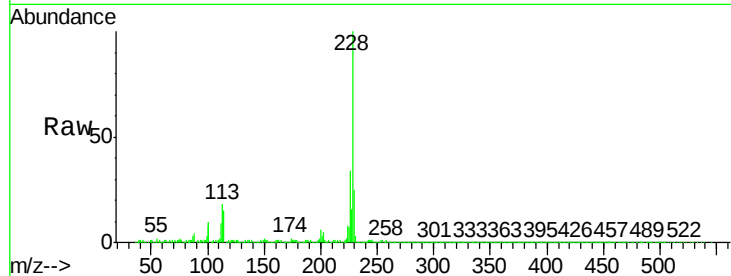
229 24.8 15.8 23.8#

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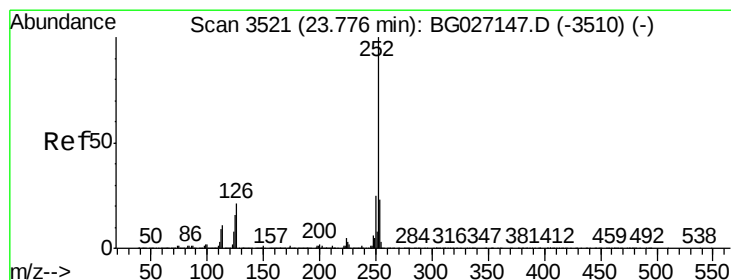
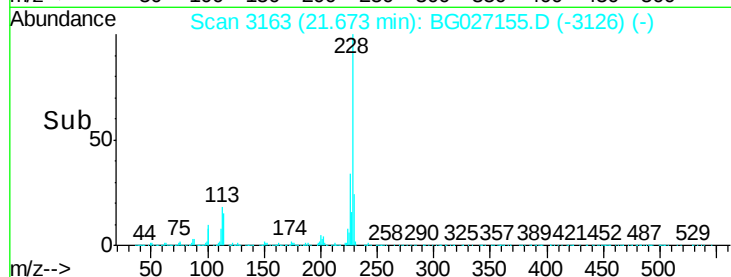
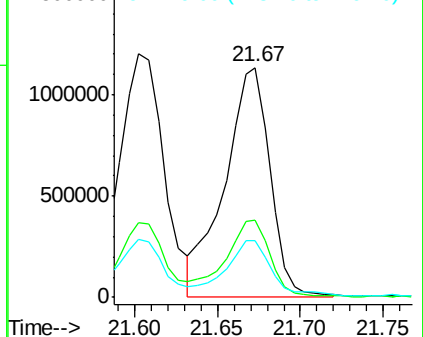
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 76.25 ng/ul

RT: 23.81 min Scan# 3526

Delta R.T. 0.03 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

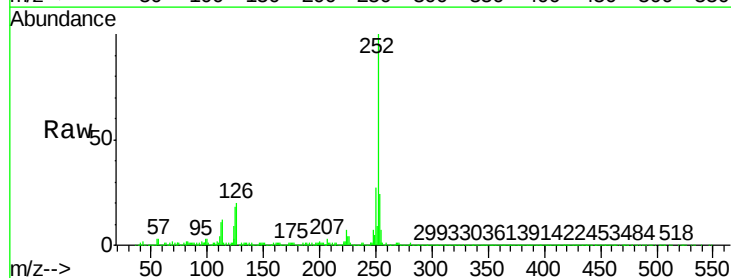
Tgt Ion:252 Resp: 2295922

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

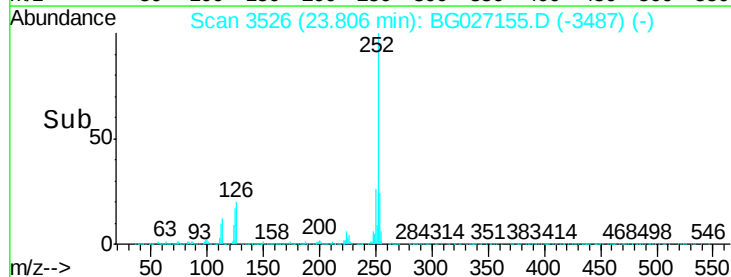
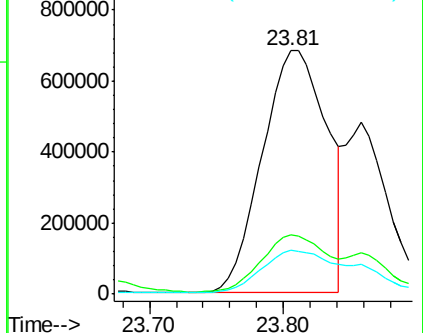
125 17.8 8.0 12.0#

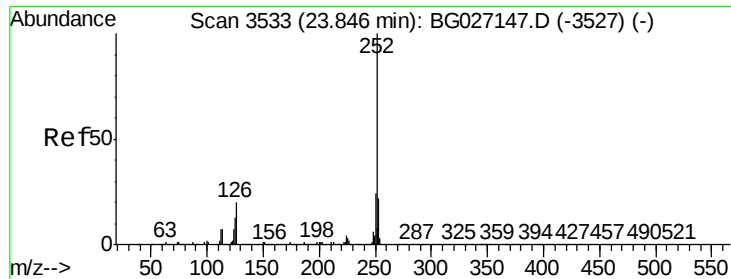


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





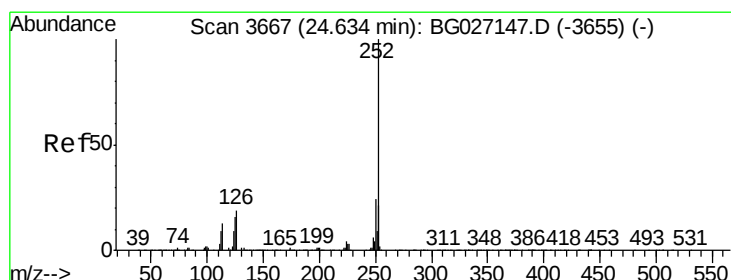
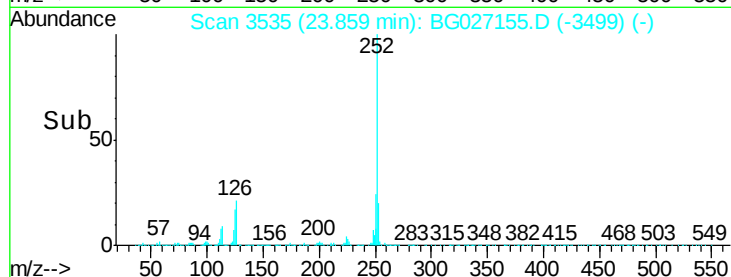
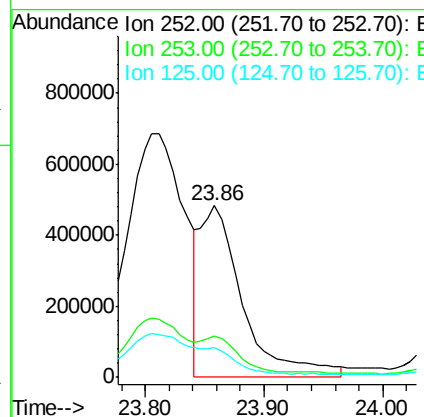
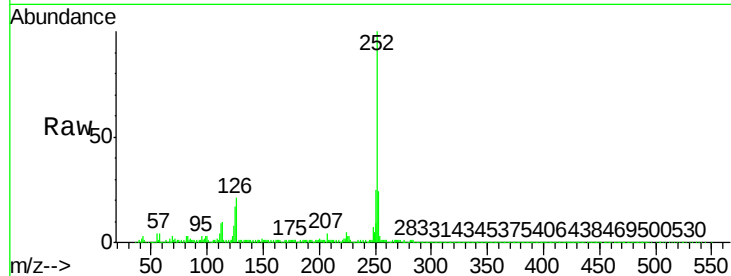
#24
Benzo(k)fluoranthene
Concen: 38.29 ng/ul m
RT: 23.86 min Scan# 3535
Delta R.T. 0.01 min
Lab File: BG027155.D
Acq: 25 May 2017 8:35

Instrument :
BNA_G
ClientSampled :
DAC73

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	17.4	8.1	12.1

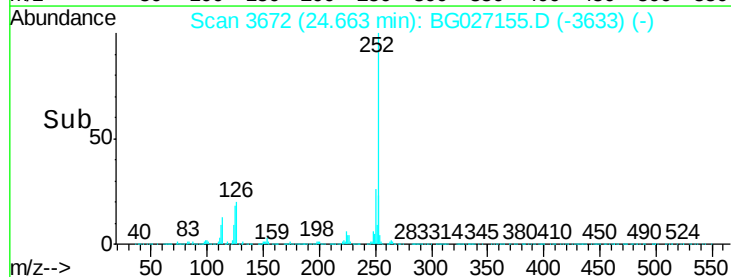
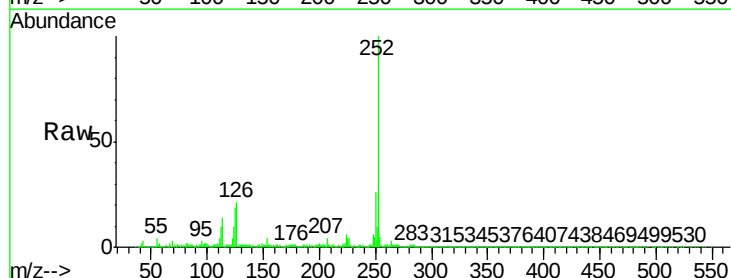
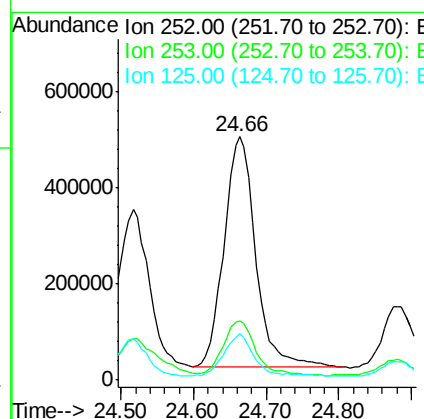
Manual Integrations
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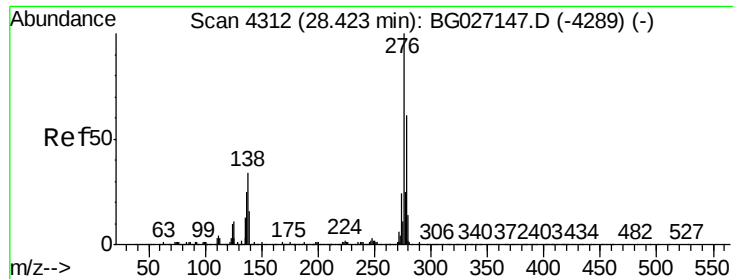
mohammad
5/26/2017 11:56:01 AM



#26
Benzo(a)pyrene
Concen: 49.19 ng/ul
RT: 24.66 min Scan# 3672
Delta R.T. 0.03 min
Lab File: BG027155.D
Acq: 25 May 2017 8:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	19.1	8.2	12.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 23.70 ng/ul

RT: 28.45 min Scan# 4316

Delta R.T. 0.02 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Instrument :

BNA_G

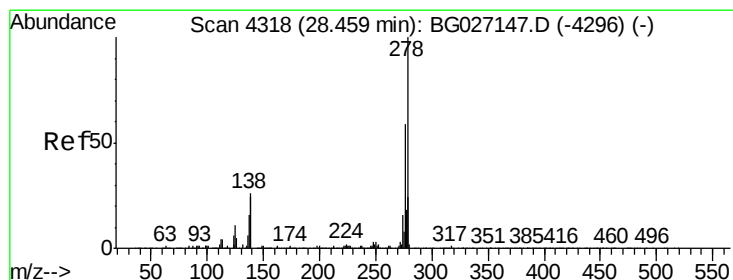
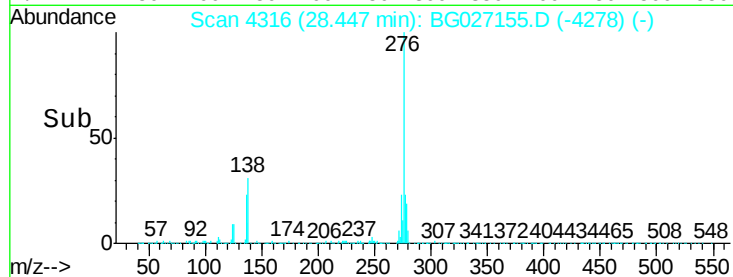
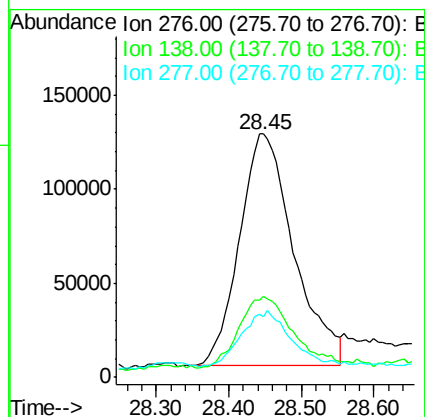
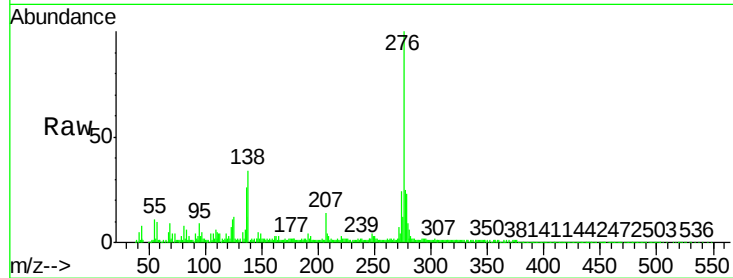
ClientSampleId :

DAC73

Tgt Ion:	276	Resp:	642139
Ion Ratio		Lower	Upper
276	100		
138	33.5	14.4	21.6#
277	25.1	18.0	27.0

Manual Integrations
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#28

Dibenzo(a,h)anthracene

Concen: 6.43 ng/ul m

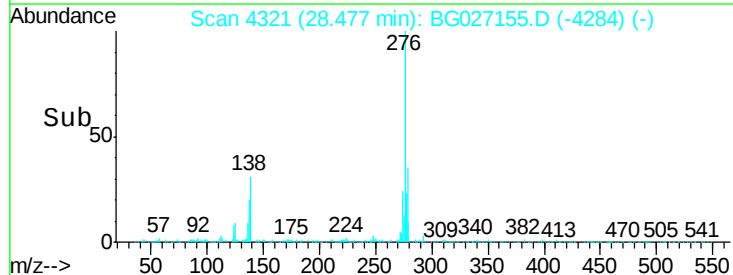
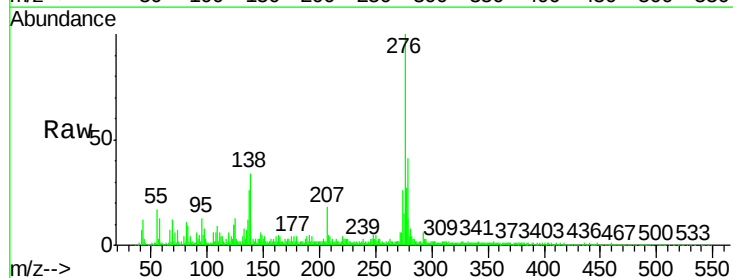
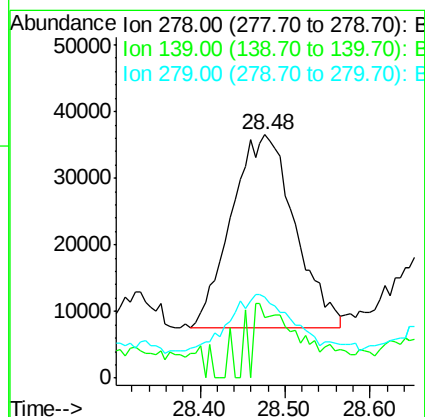
RT: 28.48 min Scan# 4321

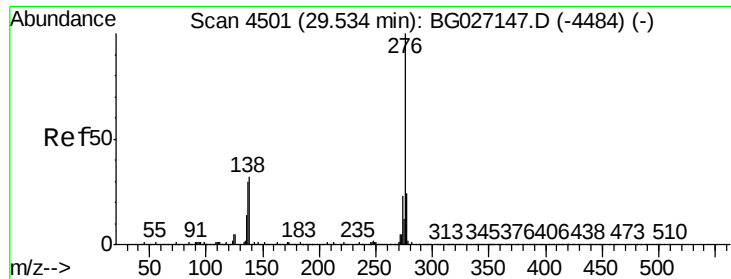
Delta R.T. 0.02 min

Lab File: BG027155.D

Acq: 25 May 2017 8:35

Tgt Ion:	278	Resp:	150244
Ion Ratio		Lower	Upper
278	100		
139	24.9	12.2	18.4#
279	33.1	19.2	28.8#





#29

Benzo(g,h,i)perylene

Concen: 20.61 ng/ul m

RT: 29.58 min Scan# 4509

Delta R.T. 0.05 min

Lab File: BG027155.D

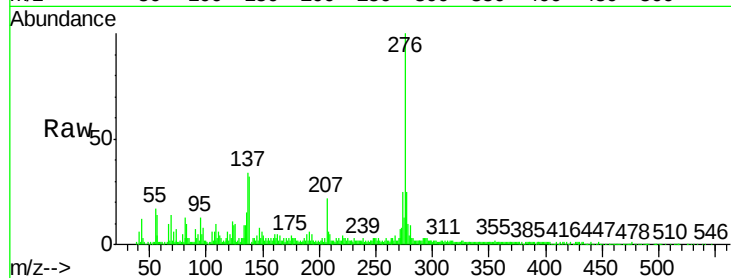
Acq: 25 May 2017 8:35

Instrument :

BNA_G

ClientSampleId :

DAC73



Tgt Ion: 276 Resp: 444120

Ion Ratio Lower Upper

276 100

138 32.1 15.3 22.9#

277 24.9 19.0 28.4

Manual Integrations
APPROVED

mohammad
5/26/2017 11:56:01 AM

