

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
 Data File : BG026265.D
 Acq On : 16 Mar 2017 12:02
 Operator : SJ/MA
 Sample : I2237-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DABH7

Manual Integrations
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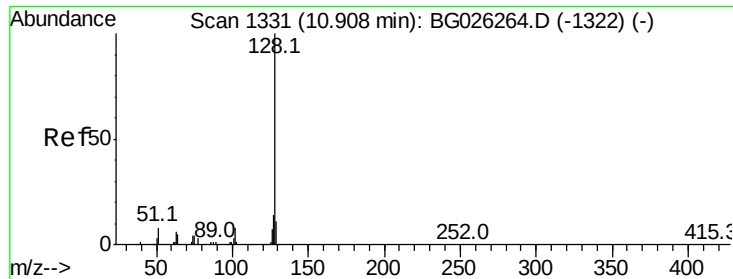
Quant Time: Mar 16 13:18:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 16 04:25:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	81662	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	421546	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	228566	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	502408	20.00	ng/ul	0.00
17) Chrysene-d12	21.65	240	583845	20.00	ng/ul	0.02
22) Perylene-d12	24.85	264	559160	20.00	ng/ul	0.03

System Monitoring Compounds						
7) Acenaphthylene-d8	14.35	160	579599	30.62	ng/ul	0.00
10) Fluorene-d10	15.65	176	397634	27.36	ng/ul	0.00
14) Anthracene-d10	17.49	188	574178	25.28	ng/ul	0.00
18) Pyrene-d10	19.77	212	658469	23.40	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	613296	24.78	ng/ul	0.03

Target Compounds				Ovalue		
3) Naphthalene	10.91	128	68380	3.29	ng/ul	100
4) 2-Methylnaphthalene	12.50	142	30846	1.88	ng/ul	92
5) 1-Methylnaphthalene	12.72	142	28046	1.76	ng/ul#	96
9) Acenaphthene	14.72	153	278545	20.11	ng/ul	95
11) Fluorene	15.70	166	267331	16.44	ng/ul	99
13) Phenanthrene	17.44	178	4258470m	158.92	ng/ul	
15) Anthracene	17.53	178	1122045	41.22	ng/ul	95
16) Fluoranthene	19.45	202	6275008	213.05	ng/ul#	53
19) Pyrene	19.81	202	5639816	159.62	ng/ul#	57
20) Benzo(a)anthracene	21.63	228	4036266	122.89	ng/ul#	80
21) Chrysene	21.70	228	3859223	122.98	ng/ul#	83
23) Benzo(b)fluoranthene	23.85	252	5345648	165.47	ng/ul#	89
24) Benzo(k)fluoranthene	23.90	252	1990886m	63.79	ng/ul	
26) Benzo(a)pyrene	24.71	252	3711289	118.70	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	28.51	276	2521072	68.85	ng/ul#	87
28) Dibenzo(a,h)anthracene	28.53	278	615563m	20.30	ng/ul	
29) Benzo(g,h,i)perylene	29.65	276	2155614	71.35	ng/ul#	89

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



#3

Naphthalene

Concen: 3.29 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026265.D

Acq: 16 Mar 2017 12:02

Instrument :

BNA_G

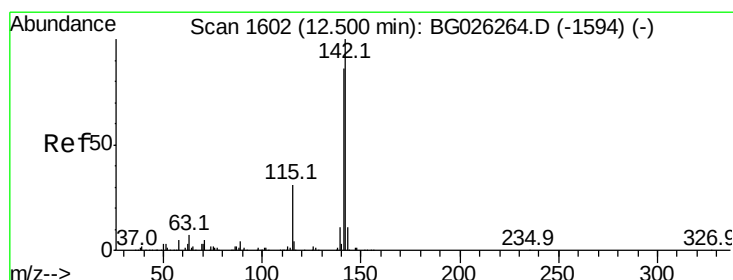
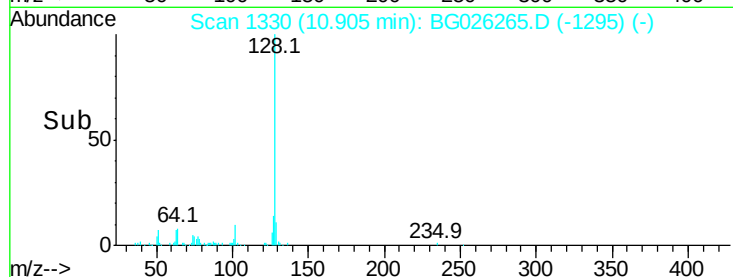
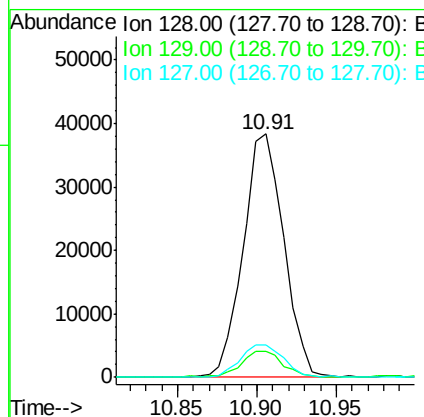
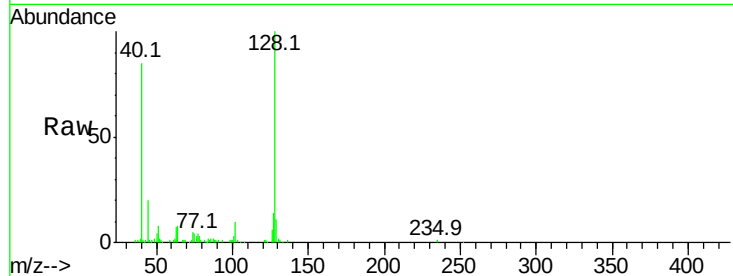
ClientSampleId :

DABH7

Tot Ion:	128	Resp:	68380
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.7	13.1
127	13.5	10.6	16.0

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#4

2-Methylnaphthalene

Concen: 1.88 ng/ul

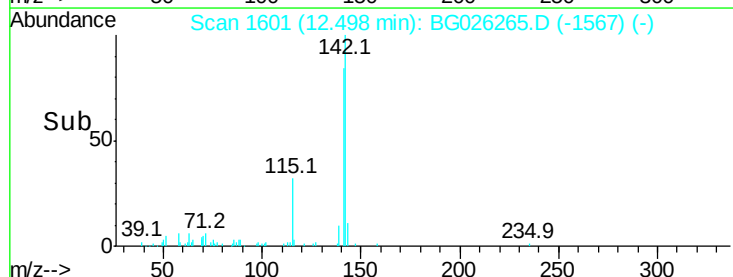
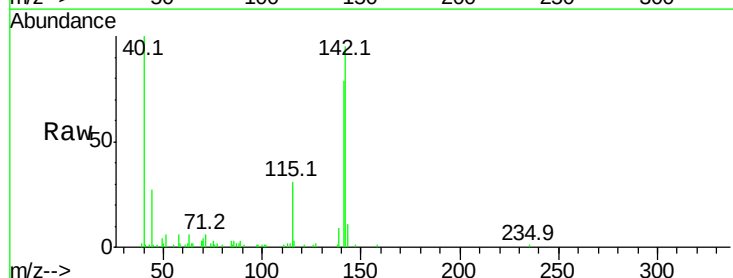
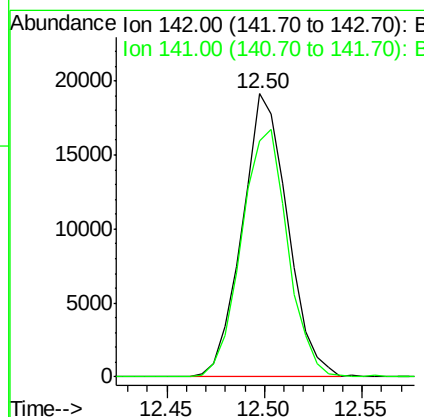
RT: 12.50 min Scan# 1601

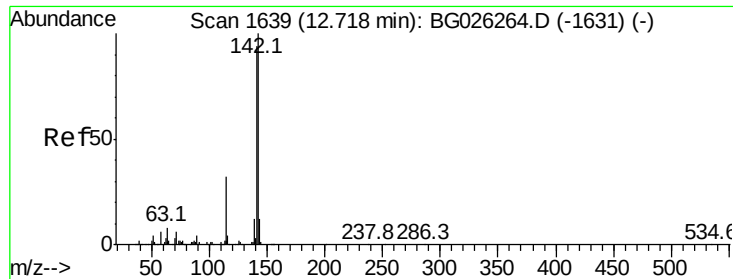
Delta R.T. -0.00 min

Lab File: BG026265.D

Acq: 16 Mar 2017 12:02

Tgt Ion:	142	Resp:	30846
Ion Ratio	Lower	Upper	
142	100		
141	83.5	72.7	109.1





#5

1-Methylnaphthalene

Concen: 1.76 ng/ul

RT: 12.72 min Scan# 1639

Delta R.T. 0.00 min

Lab File: BG026265.D

Acq: 16 Mar 2017 12:02

Instrument :

BNA_G

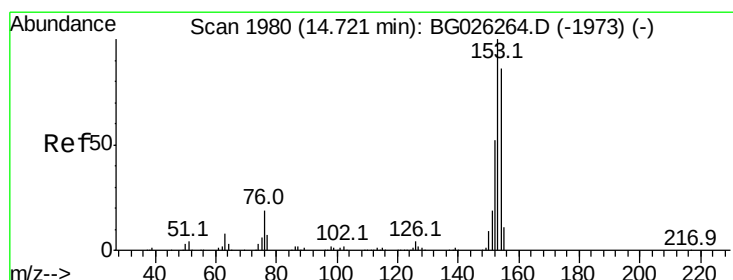
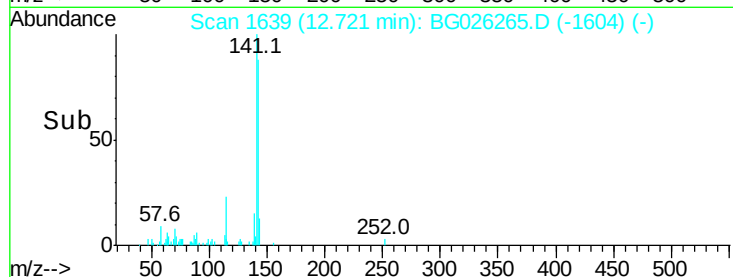
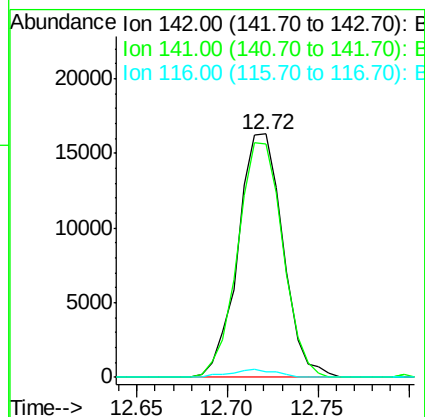
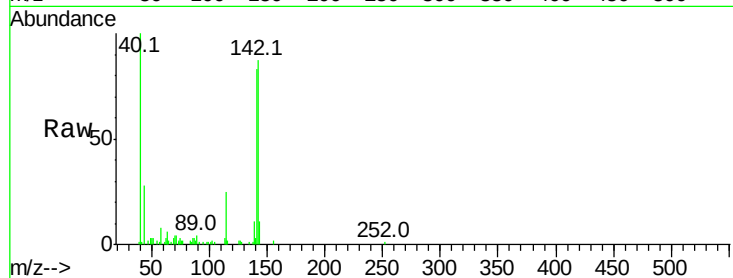
ClientSampleId :

DABH7

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.8	79.3	118.9
116	2.4	4.2	6.2

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#9

Acenaphthene

Concen: 20.11 ng/ul

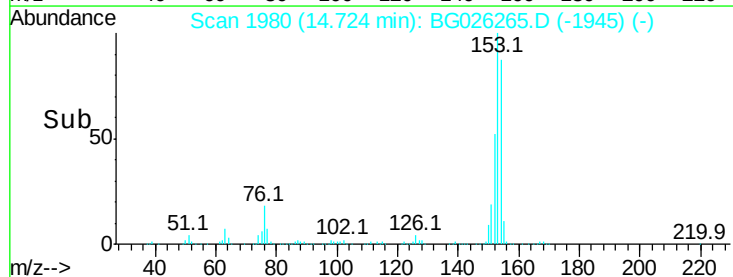
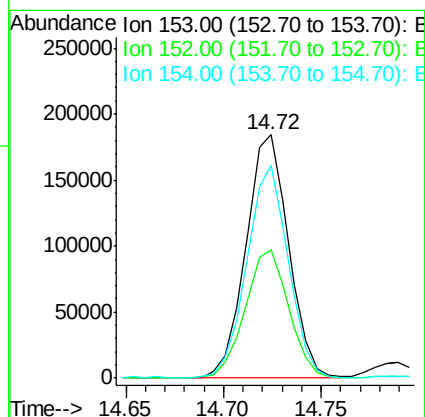
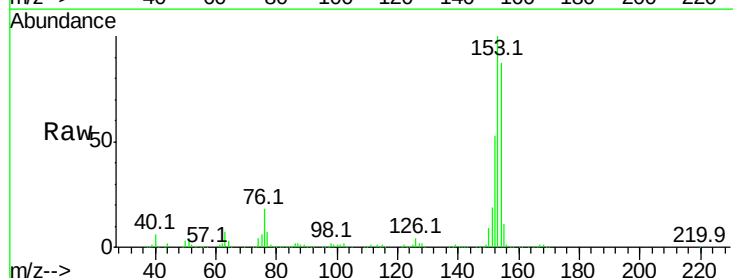
RT: 14.72 min Scan# 1980

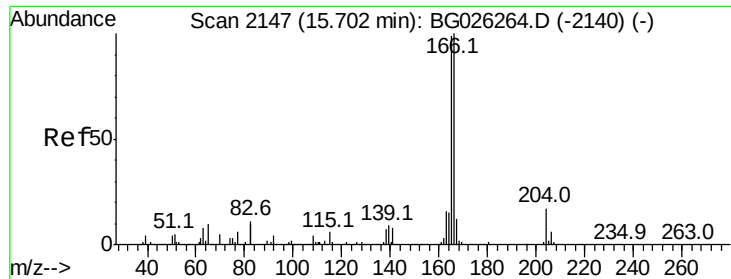
Delta R.T. 0.00 min

Lab File: BG026265.D

Acq: 16 Mar 2017 12:02

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.6	39.0	58.6
154	87.4	66.8	100.2





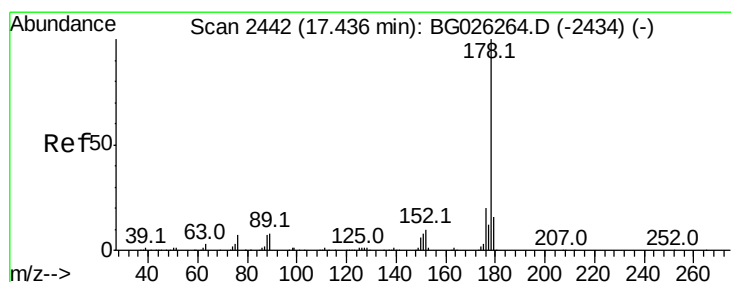
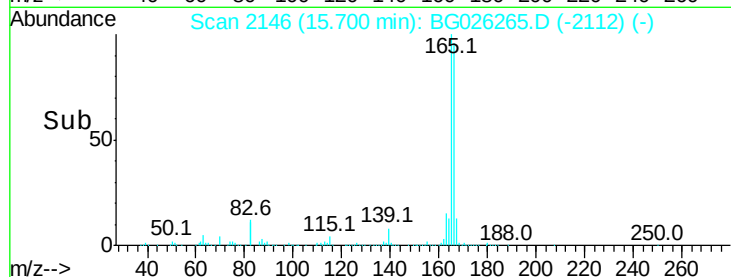
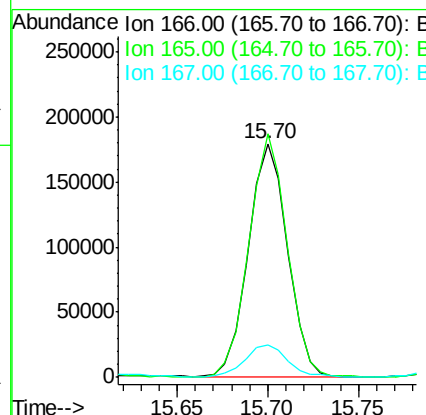
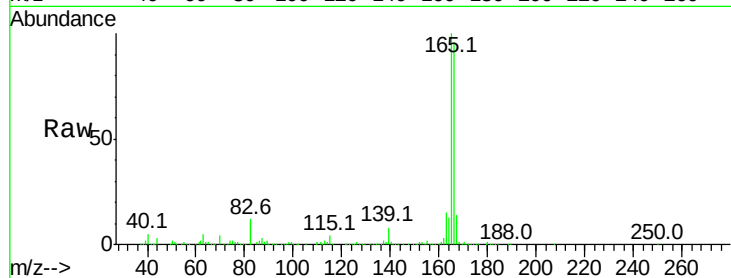
#11
Fluorene
 Concen: 16.44 ng/ul
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.00 min
 Lab File: BG026265.D
 Acq: 16 Mar 2017 12:02

Instrument :
 BNA_G
 ClientSampleId :
 DABH7

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.2	83.8	125.8
167	14.1	11.5	17.3

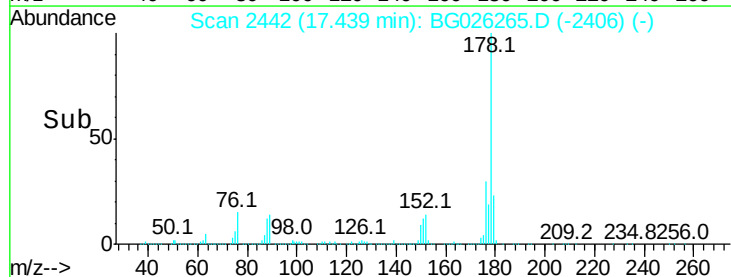
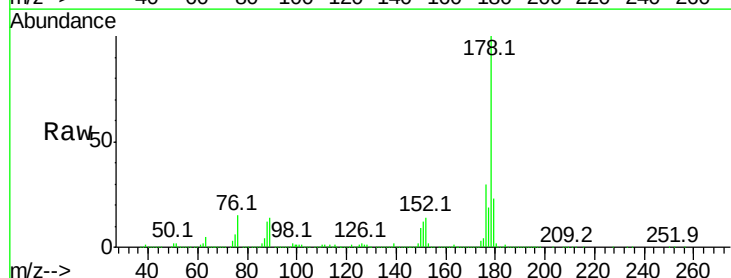
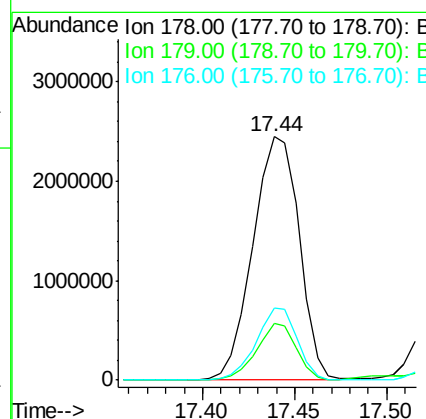
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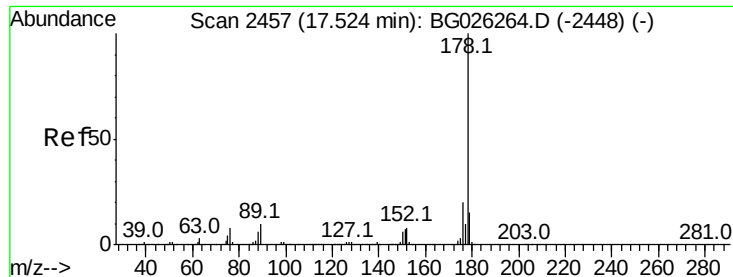
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#13
Phenanthrene
 Concen: 158.92 ng/ul m
 RT: 17.44 min Scan# 2442
 Delta R.T. 0.01 min
 Lab File: BG026265.D
 Acq: 16 Mar 2017 12:02

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.2	12.3	18.5#
176	29.6	15.1	22.7#





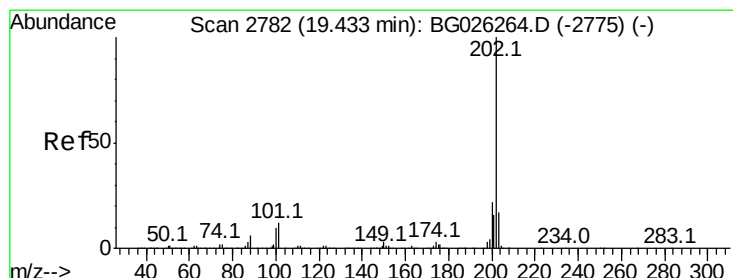
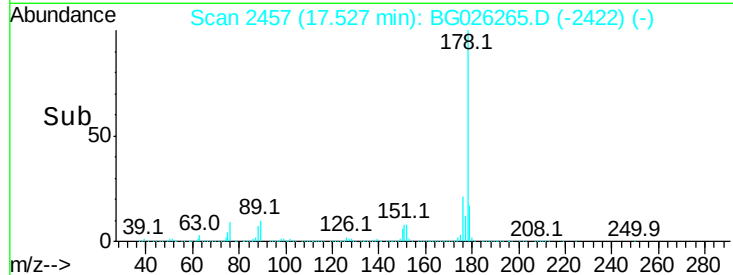
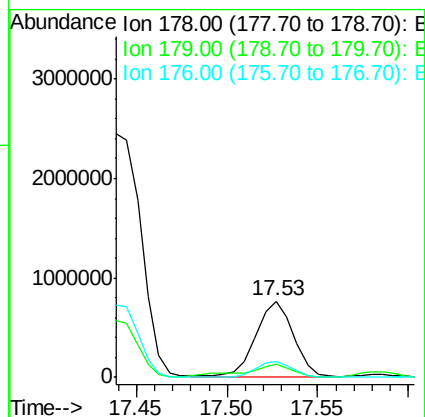
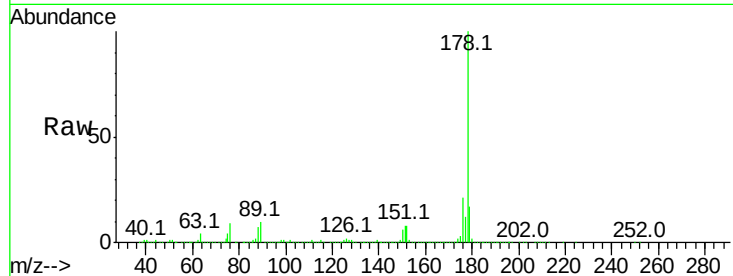
#15
 Anthracene
 Concen: 41.22 ng/ul
 RT: 17.53 min Scan# 2457
 Delta R.T. 0.00 min
 Lab File: BG026265.D
 Acq: 16 Mar 2017 12:02

Instrument :
 BNA_G
 ClientSampleId :
 DABH7

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.8	17.8
176	21.4	15.2	22.8

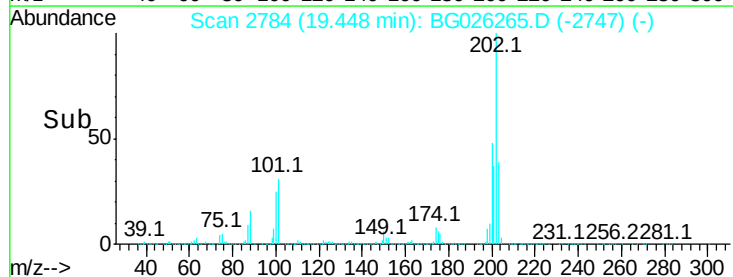
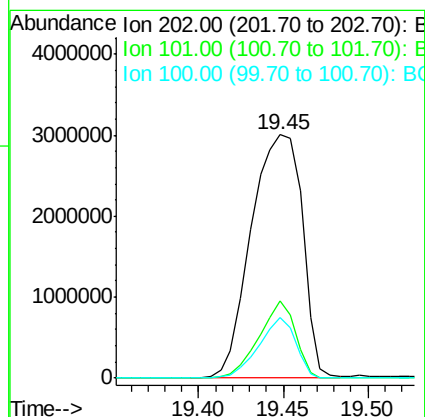
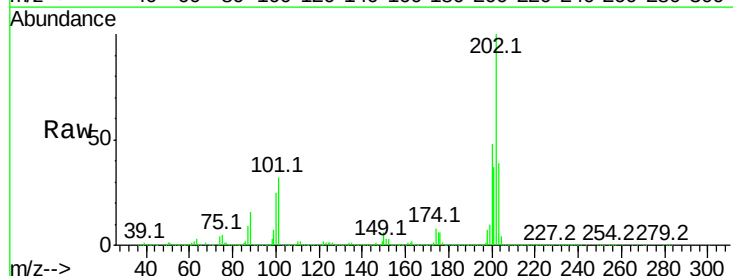
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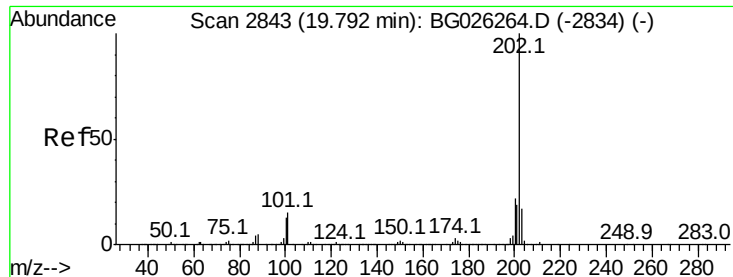
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#16
 Fluoranthene
 Concen: 213.05 ng/ul
 RT: 19.45 min Scan# 2784
 Delta R.T. 0.02 min
 Lab File: BG026265.D
 Acq: 16 Mar 2017 12:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	31.6	9.9	14.9#
100	25.0	7.4	11.0#





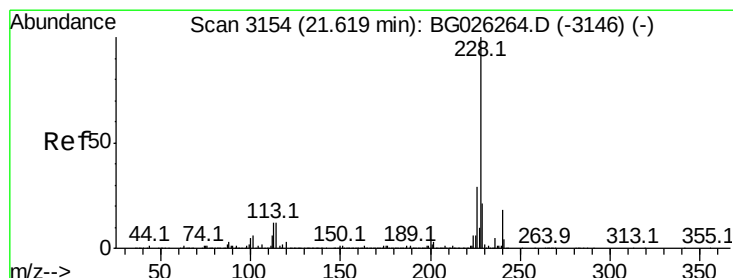
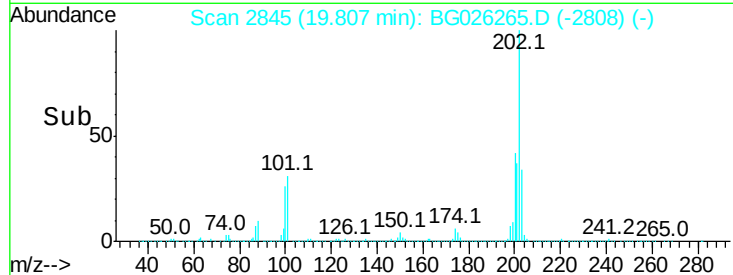
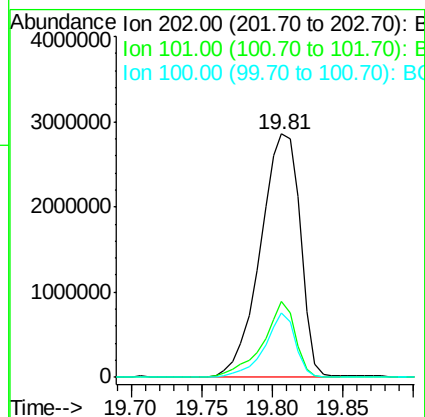
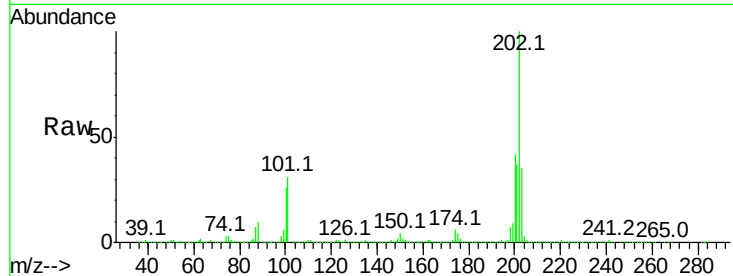
#19
Pvrene
Concen: 159.62 ng/ul
RT: 19.81 min Scan# 2845
Delta R.T. 0.02 min
Lab File: BG026265.D
Acq: 16 Mar 2017 12:02

Instrument :
BNA_G
ClientSampleId :
DABH7

Tot Ion	Ratio	Lower	Upper
202	100		
101	31.0	11.0	16.4#
100	26.2	8.1	12.1#

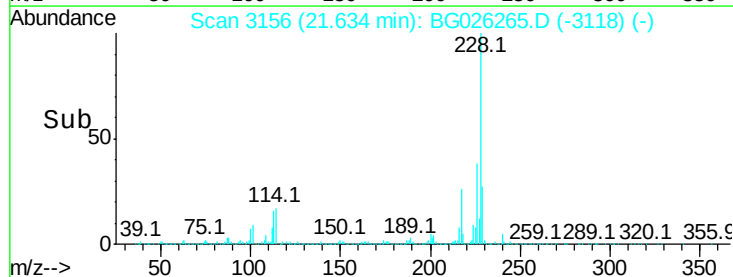
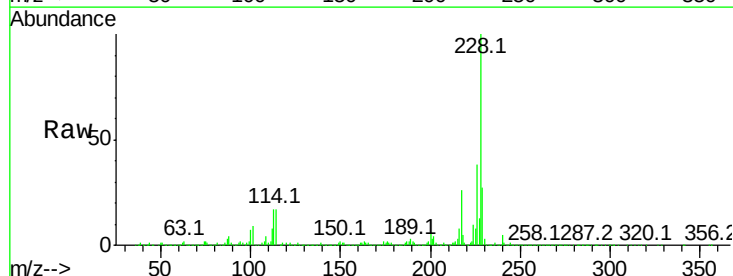
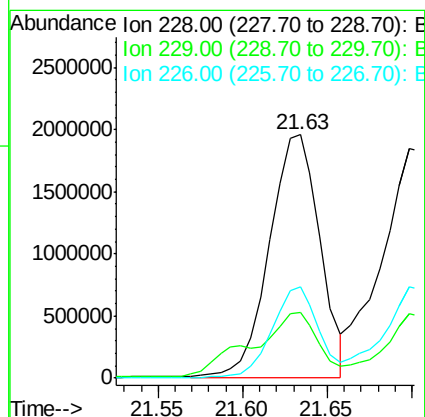
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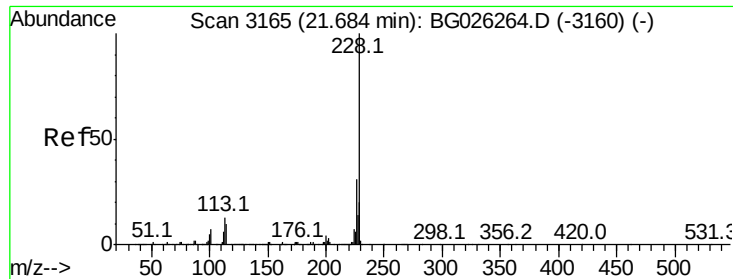
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#20
Benzo(a)anthracene
Concen: 122.89 ng/ul
RT: 21.63 min Scan# 3156
Delta R.T. 0.02 min
Lab File: BG026265.D
Acq: 16 Mar 2017 12:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	27.1	15.7	23.5#
226	37.7	21.1	31.7#





#21

Chrysene

Concen: 122.98 ng/ul

RT: 21.70 min Scan# 3167

Delta R.T. 0.02 min

Lab File: BG026265.D

Acq: 16 Mar 2017 12:02

Instrument :

BNA_G

ClientSampleId :

DABH7

Tot Ion:228 Resp: 3859223

Ion Ratio Lower Upper

228 100

226 39.8 24.5 36.7#

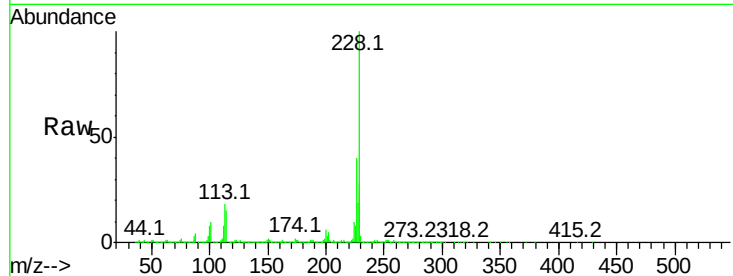
229 28.2 15.8 23.8#

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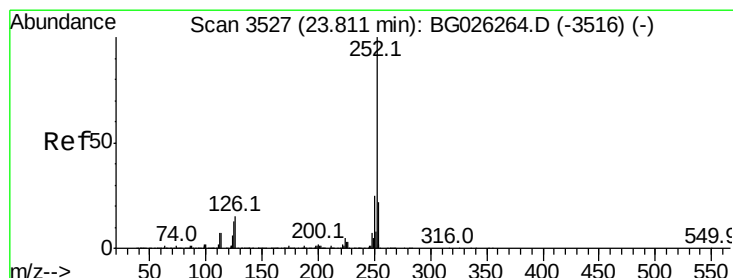
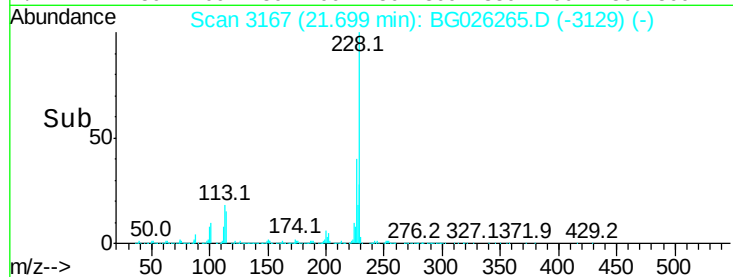
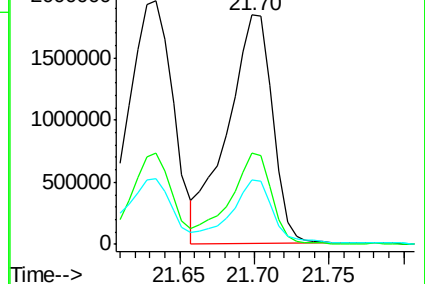
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 165.47 ng/ul

RT: 23.85 min Scan# 3533

Delta R.T. 0.04 min

Lab File: BG026265.D

Acq: 16 Mar 2017 12:02

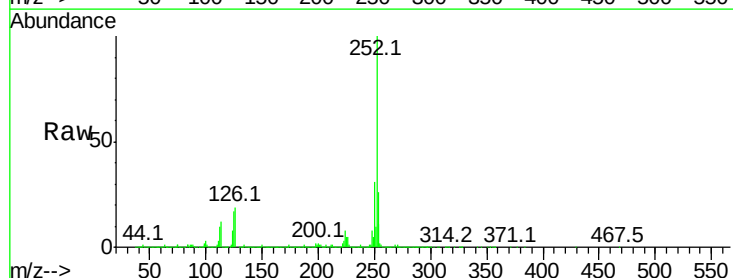
Tgt Ion:252 Resp: 5345648

Ion Ratio Lower Upper

252 100

253 26.3 18.0 27.0

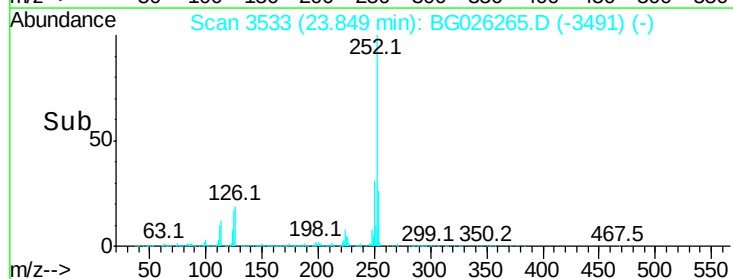
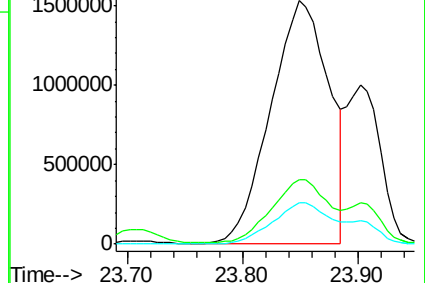
125 16.8 8.0 12.0#

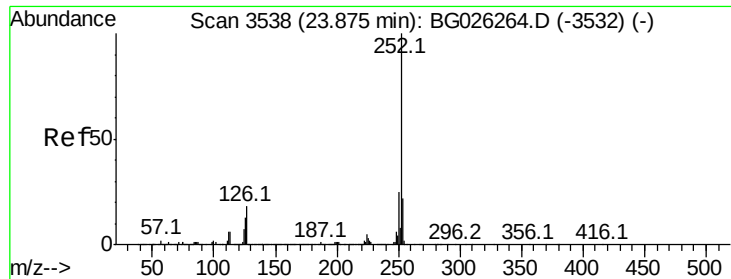


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





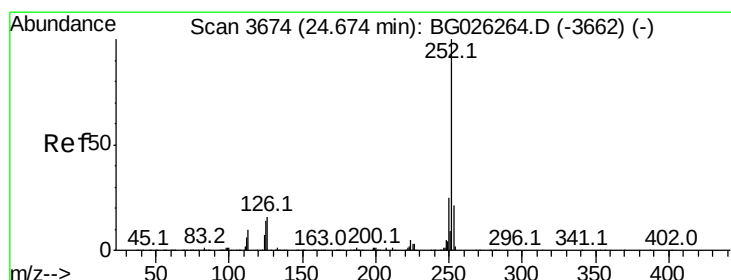
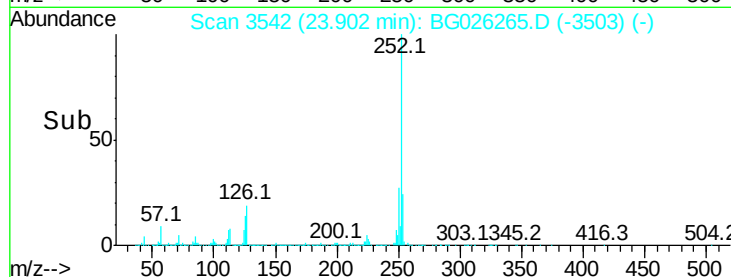
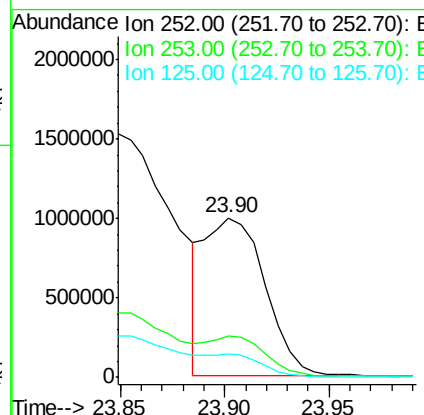
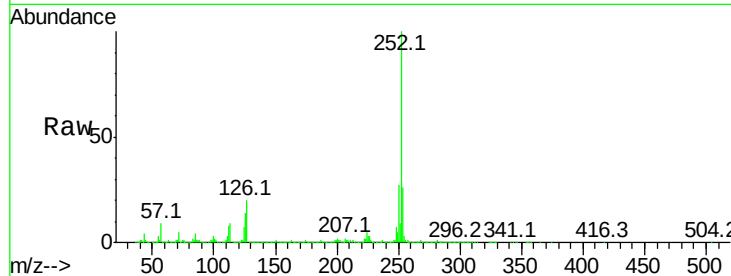
#24
Benzo(k)fluoranthene
Concen: 63.79 ng/ul m
RT: 23.90 min Scan# 3542
Delta R.T. 0.03 min
Lab File: BG026265.D
Acq: 16 Mar 2017 12:02

Instrument :
BNA_G
ClientSampleId :
DABH7

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	14.3	8.1	12.1

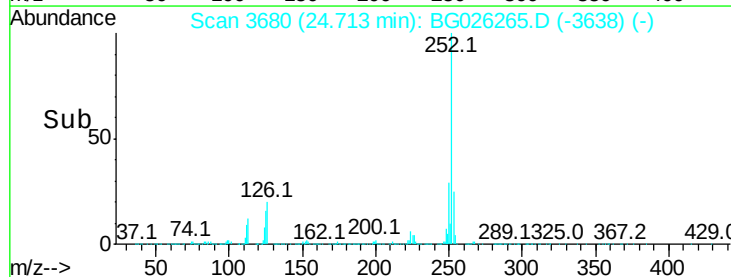
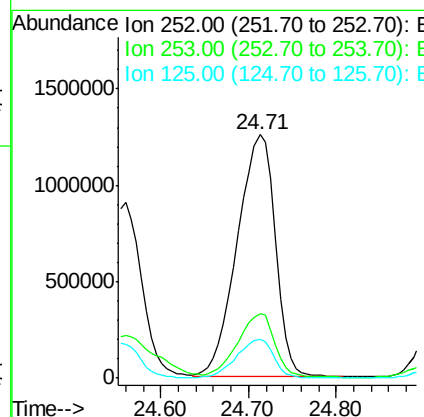
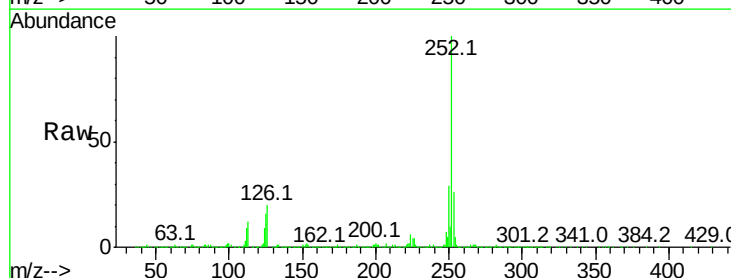
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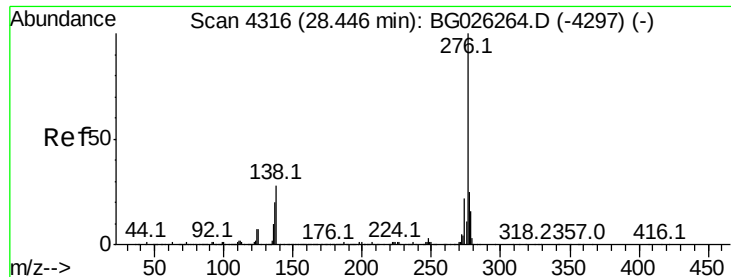
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#26
Benzo(a)pyrene
Concen: 118.70 ng/ul
RT: 24.71 min Scan# 3680
Delta R.T. 0.04 min
Lab File: BG026265.D
Acq: 16 Mar 2017 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.2	25.8
125	16.0	8.2	12.4





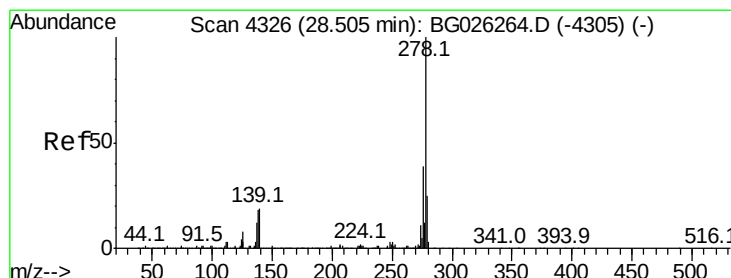
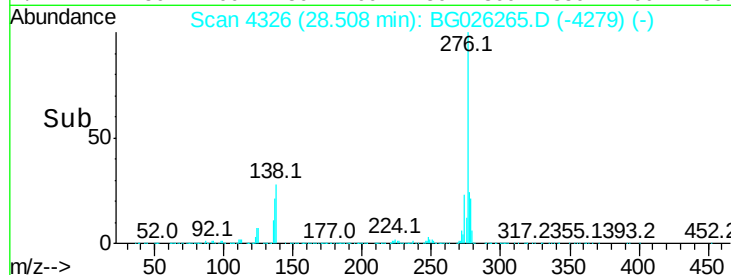
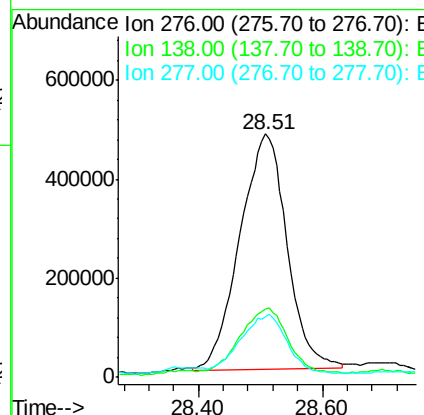
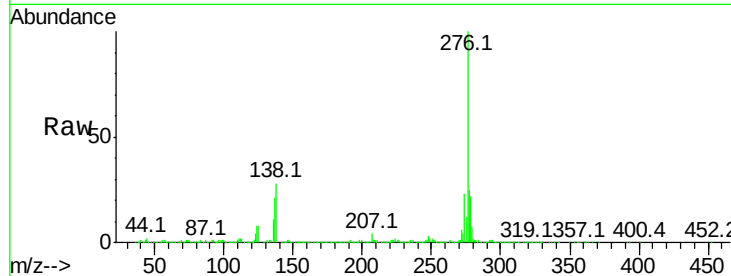
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 68.85 ng/ul
 RT: 28.51 min Scan# 4326
 Delta R.T. 0.07 min
 Lab File: BG026265.D
 Acq: 16 Mar 2017 12:02

Instrument :
 BNA_G
 ClientSampleId :
 DABH7

Tot Ion:276 Resp: 2521072
 Ion Ratio Lower Upper
 276 100
 138 28.1 14.4 21.6#
 277 25.1 18.0 27.0

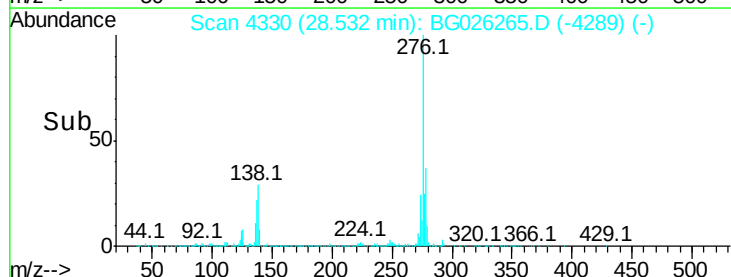
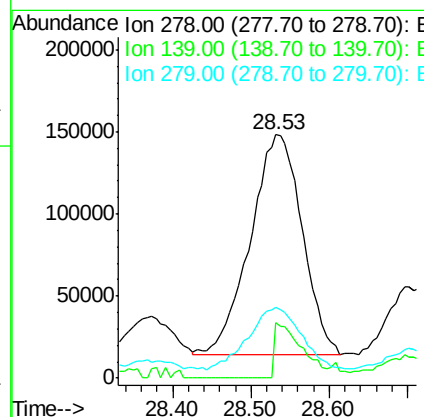
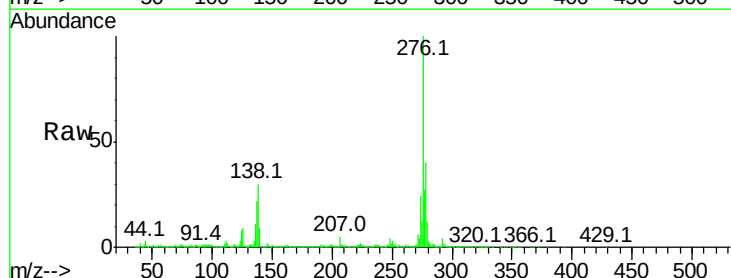
Manual Integrations
 APPROVED

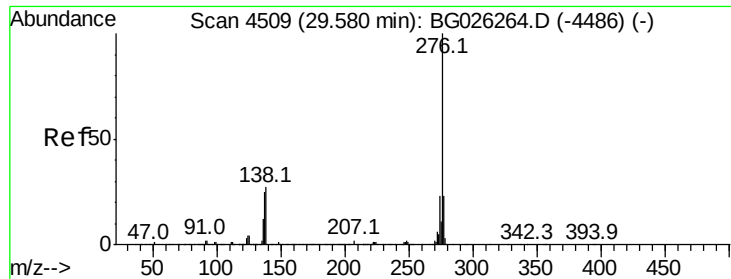
mohammad
 3/17/2017 1:09:26 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 20.30 ng/ul m
 RT: 28.53 min Scan# 4330
 Delta R.T. 0.04 min
 Lab File: BG026265.D
 Acq: 16 Mar 2017 12:02

Tgt Ion:278 Resp: 615563
 Ion Ratio Lower Upper
 278 100
 139 22.7 12.2 18.4#
 279 29.1 19.2 28.8#





#29
 Benzo(a,h,i)perylene
 Concen: 71.35 ng/ul
 RT: 29.65 min Scan# 4521
 Delta R.T. 0.09 min
 Lab File: BG026265.D
 Acq: 16 Mar 2017 12:02

Instrument :
 BNA_G
 ClientSampleId :
 DABH7

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	15.3	22.9#
277	25.2	19.0	28.4

Manual Integrations
 APPROVED

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