

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026291.D
 Acq On : 17 Mar 2017 21:15
 Operator : SJ/MA
 Sample : I2218-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z4

Manual Integrations
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mohammad
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Quant Time: Mar 18 00:26:49 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:14:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	131058	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	622867	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	336981	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	661578	20.00	ng/ul	0.00
18) Chrysene-d12	21.63	240	648947	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	598499	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	135234	14.66	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	874732	30.44	ng/ul	0.00
10) Fluorene-d10	15.65	176	602748	28.76	ng/ul	0.00
15) Anthracene-d10	17.49	188	803545	27.33	ng/ul	0.00
19) Pyrene-d10	19.77	212	872628	26.35	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	801726	31.06	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.91	128	37069	1.22	ng/ul#	93
9) Acenaphthene	14.72	153	23127	1.11	ng/ul	95
11) Fluorene	15.70	166	30312	1.29	ng/ul	99
14) Phenanthrene	17.43	178	558123	15.92	ng/ul	99
16) Anthracene	17.52	178	85555	2.42	ng/ul	97
17) Fluoranthene	19.43	202	831797	22.85	ng/ul	99
20) Pyrene	19.80	202	791641	19.16	ng/ul	98
21) Benzo(a)anthracene	21.62	228	426567	11.81	ng/ul	97
22) Chrysene	21.68	228	424118	12.58	ng/ul	98
24) Benzo(b)fluoranthene	23.81	252	546648	16.09	ng/ul	97
25) Benzo(k)fluoranthene	23.87	252	173915m	5.36	ng/ul	
27) Benzo(a)pyrene	24.67	252	331684	10.50	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.44	276	214091m	6.14	ng/ul	
29) Dibenzo(a,h)anthracene	28.50	278	58437m	2.11	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	163390m	5.48	ng/ul	

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

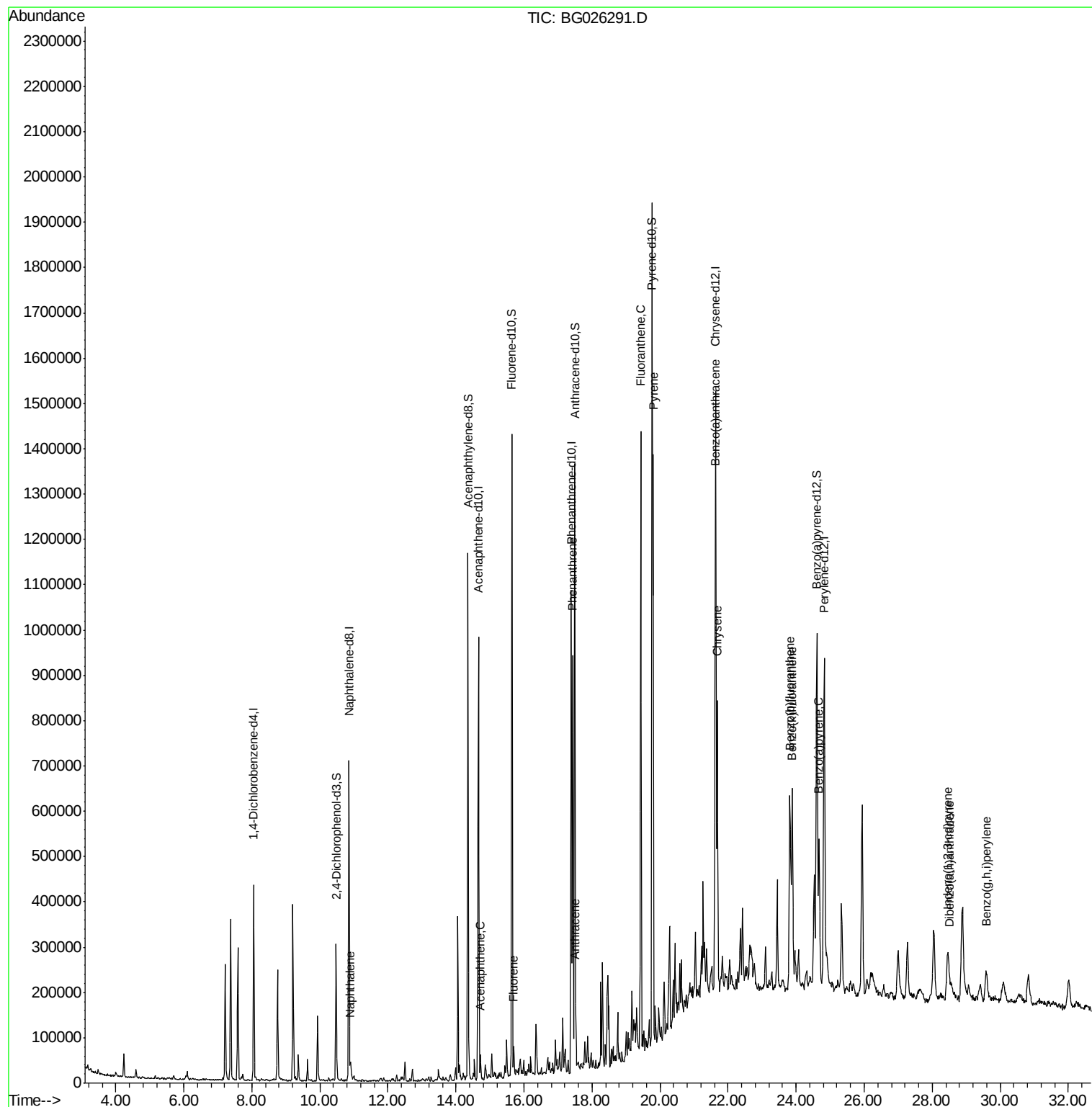
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026291.D
Acq On : 17 Mar 2017 21:15
Operator : SJ/MA
Sample : I2218-10
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ALS Vial : 16 Sample Multiplier: 1

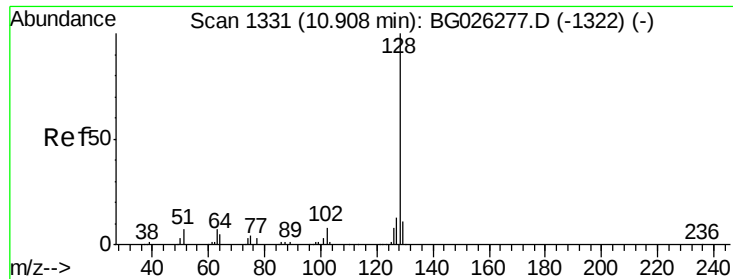
Instrument :
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Quant Time: Mar 18 00:26:49 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:14:20 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.22 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Instrument :

BNA_G

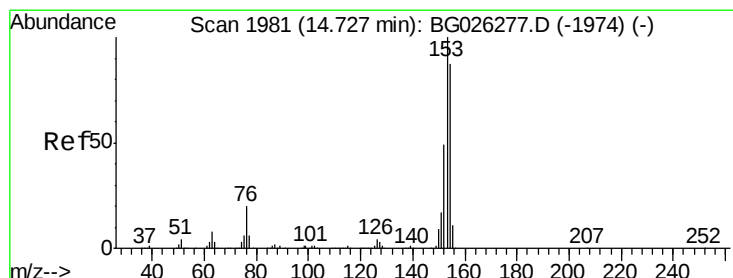
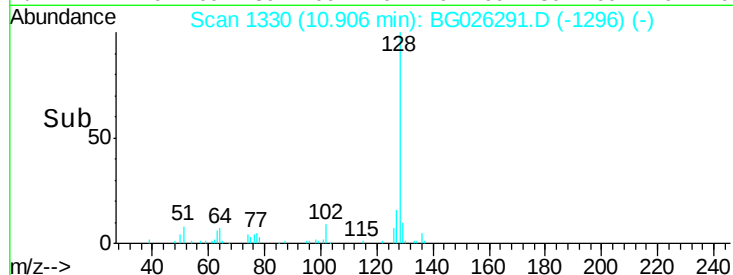
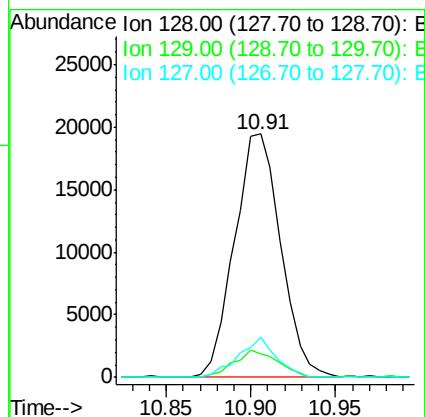
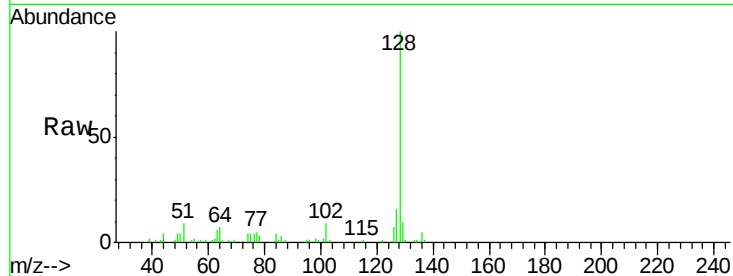
ClientSampled :

CB2Z4

Tgt Ion:	128	Resp:	37069
Ion Ratio	Lower	Upper	
128	100		
129	9.5	9.1	13.7
127	16.4	10.6	15.8#

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#9

Acenaphthene

Concen: 1.11 ng/ul

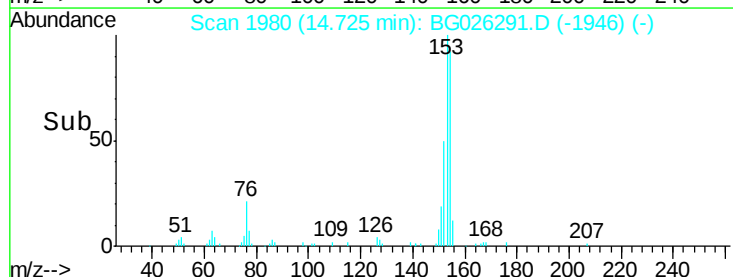
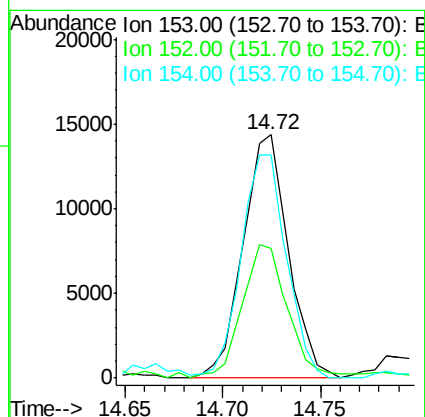
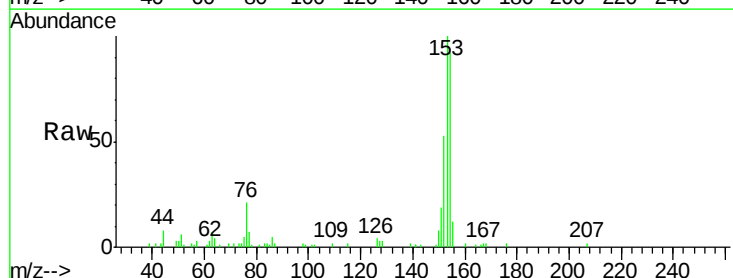
RT: 14.72 min Scan# 1980

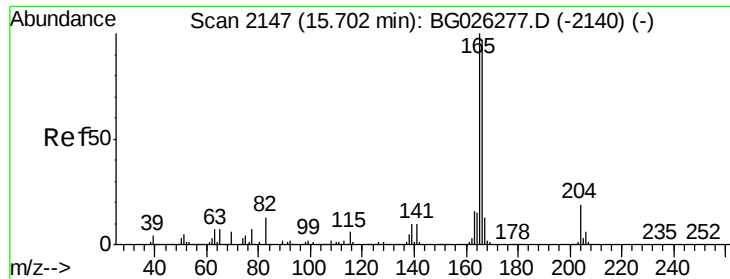
Delta R.T. -0.00 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Tgt Ion:	153	Resp:	23127
Ion Ratio	Lower	Upper	
153	100		
152	53.1	37.9	56.9
154	91.9	71.6	107.4





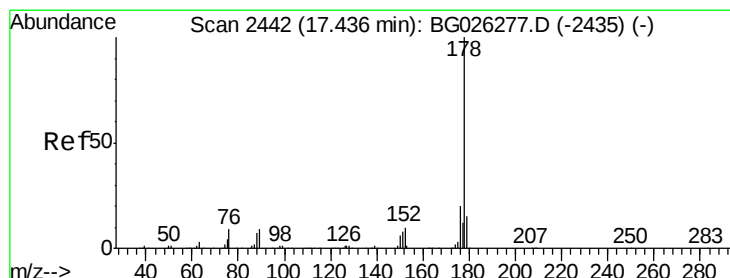
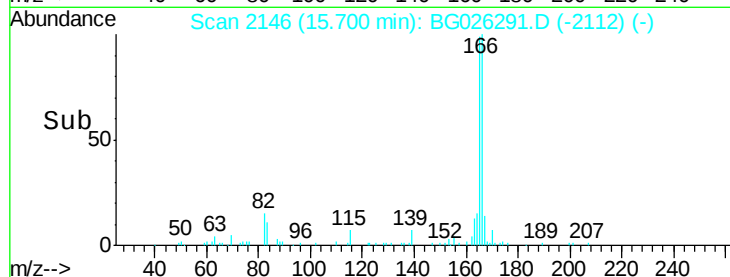
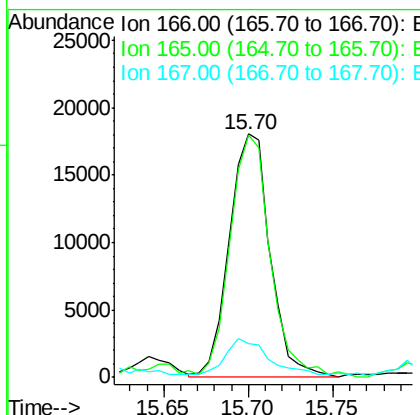
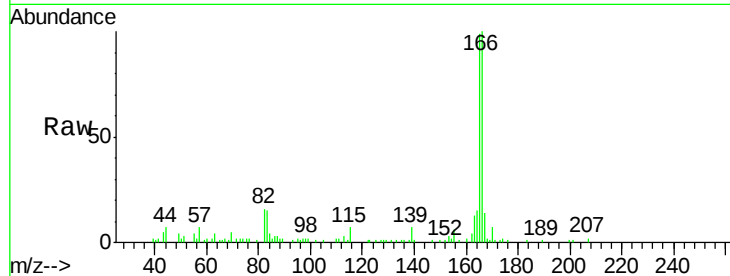
#11
Fluorene
 Concen: 1.29 ng/ul
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z4

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	30312		
165	99.5	80.0	120.0	
167	13.8	11.6	17.4	

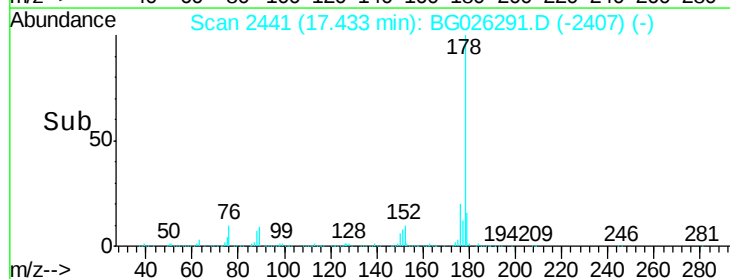
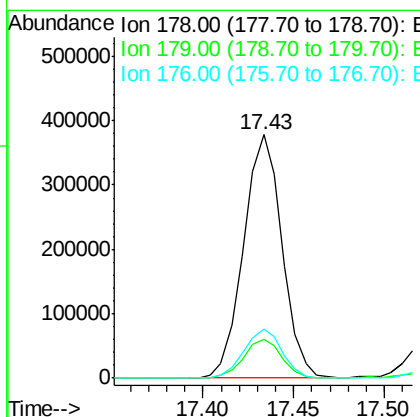
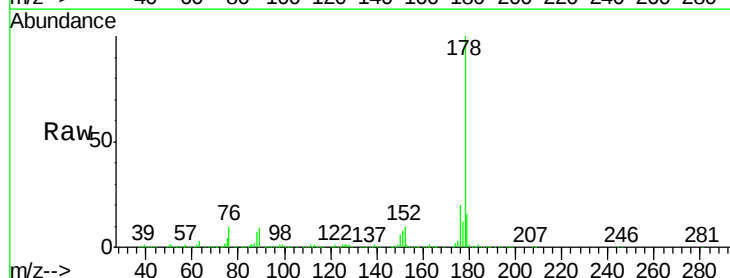
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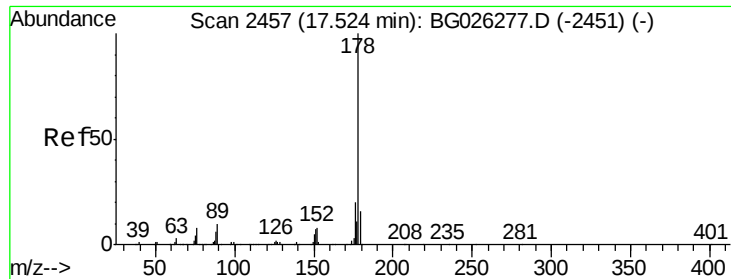
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#14
Phenanthrene
 Concen: 15.92 ng/ul
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	558123		
179	16.1	12.2	18.4	
176	20.2	16.4	24.6	





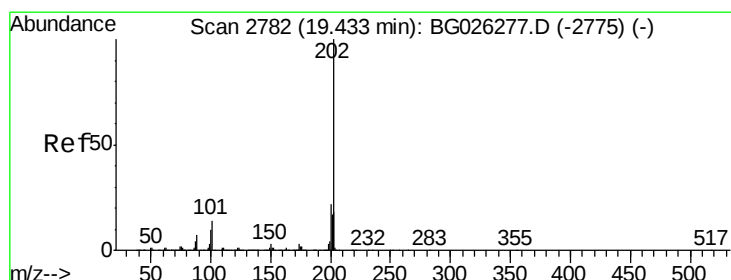
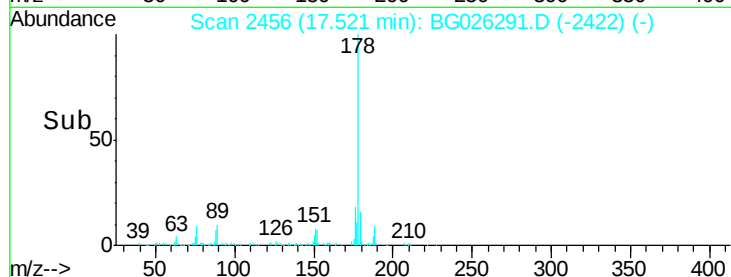
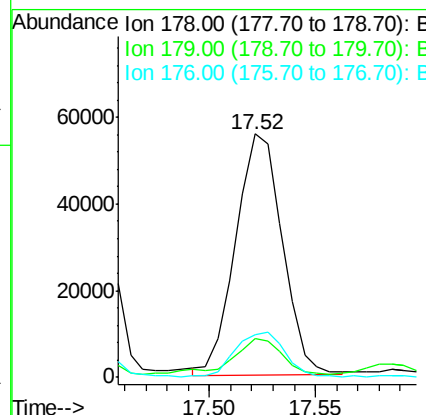
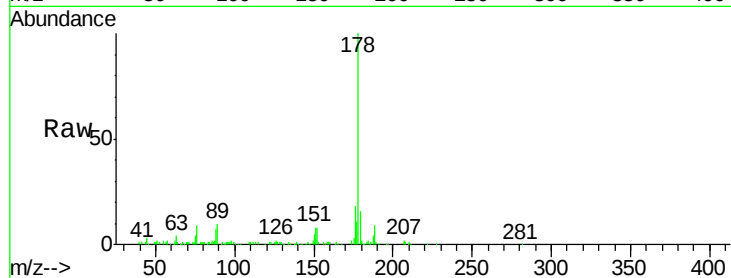
#16
 Anthracene
 Concen: 2.42 ng/ul
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z4

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	85555		
179	15.8	12.7	19.1	
176	17.7	15.8	23.8	

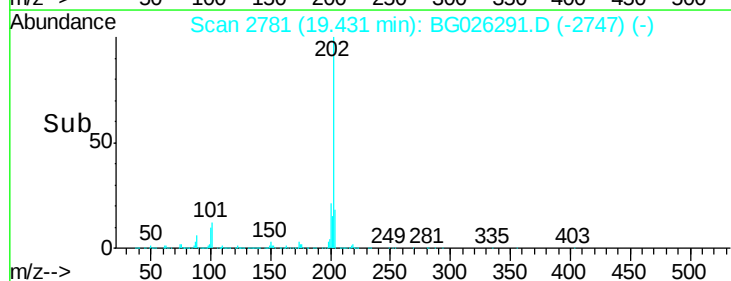
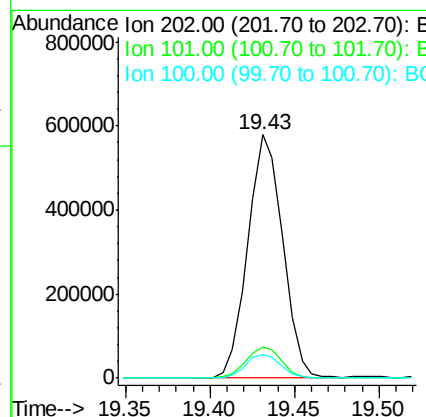
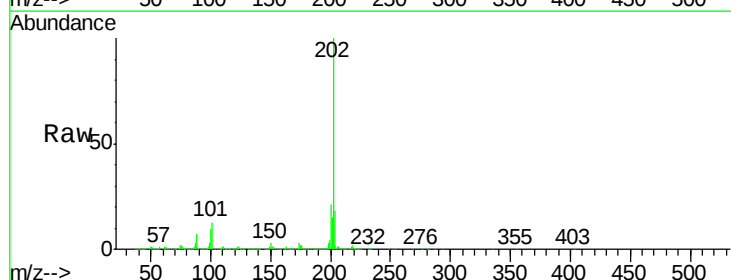
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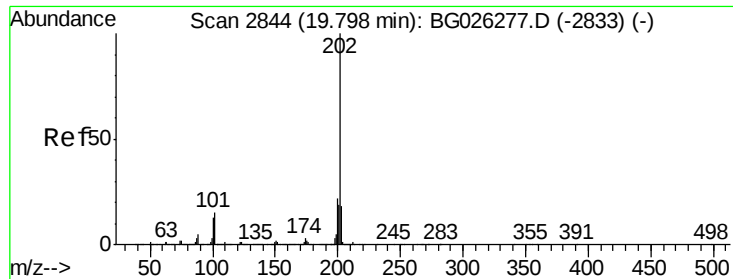
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#17
 Fluoranthene
 Concen: 22.85 ng/ul
 RT: 19.43 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: BG026291.D
 Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	831797		
101	12.6	9.8	14.8	
100	9.7	7.5	11.3	





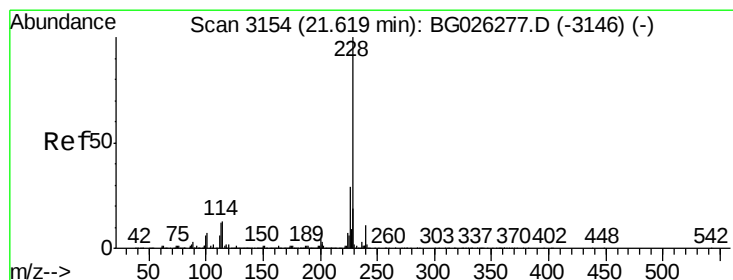
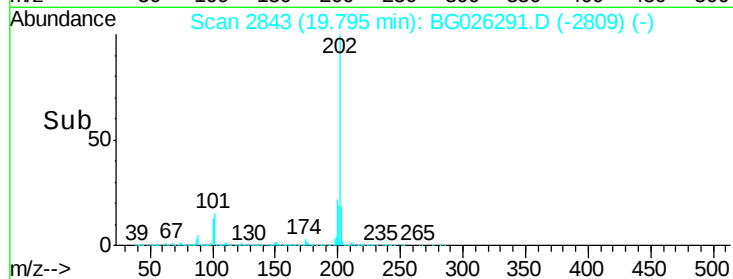
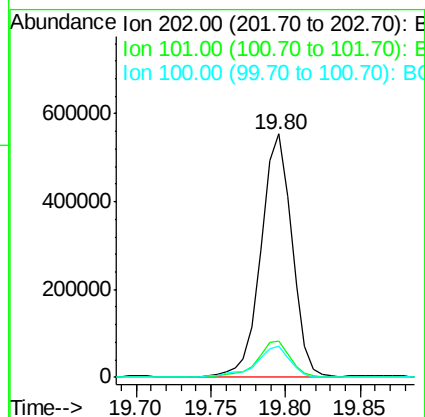
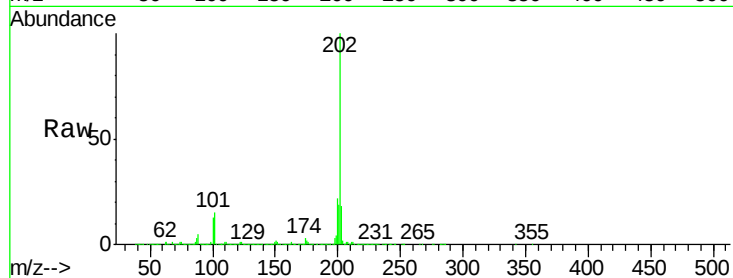
#20
Pyrene
Concen: 19.16 ng/ul
RT: 19.80 min Scan# 2843
Delta R.T. -0.00 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

Instrument :
BNA_G
ClientSampleId :
CB2Z4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	791641		
101	15.0		11.2	16.8
100	12.6		9.8	14.6

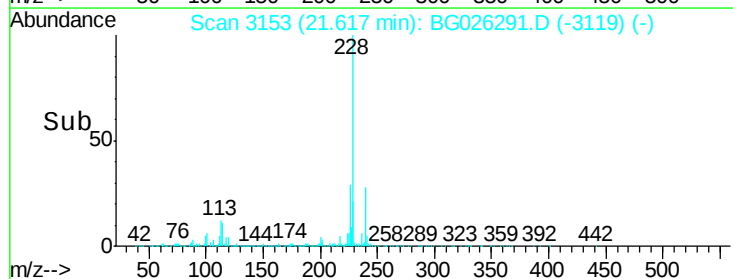
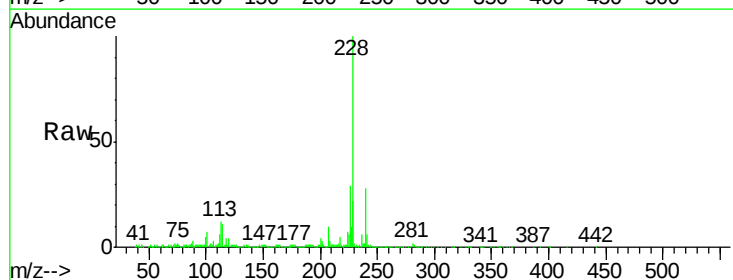
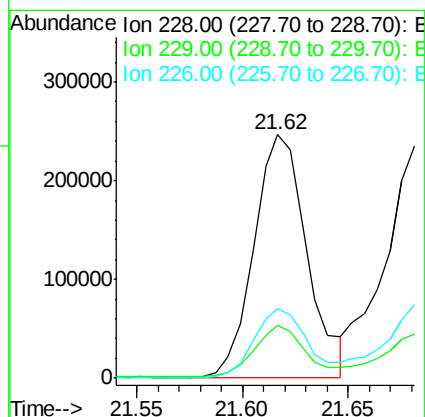
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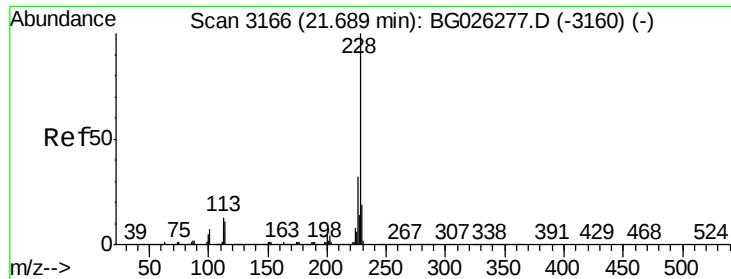
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#21
Benzo(a)anthracene
Concen: 11.81 ng/ul
RT: 21.62 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	426567		
229	21.6		15.9	23.9
226	28.8		22.1	33.1





#22

Chrysene

Concen: 12.58 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Instrument :

BNA_G

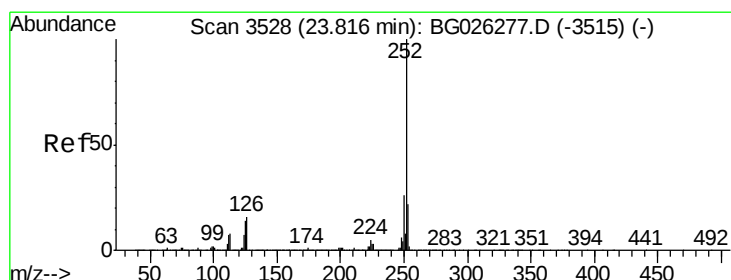
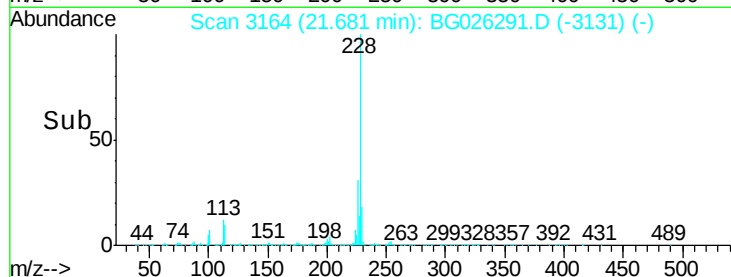
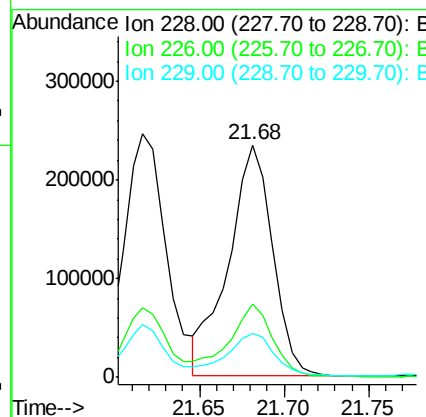
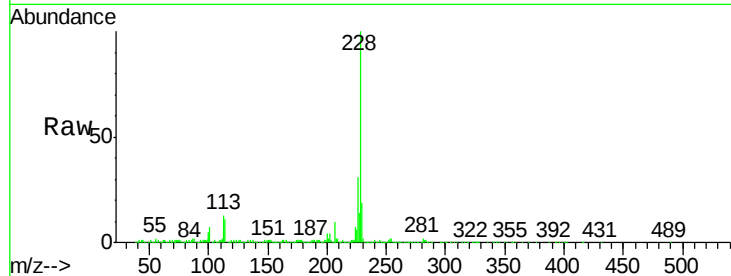
ClientSampleId :

CB2Z4

Tgt Ion:	228	Resp:	424118
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	19.2	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 16.09 ng/ul

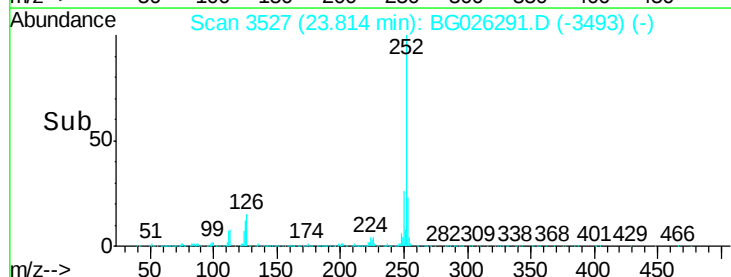
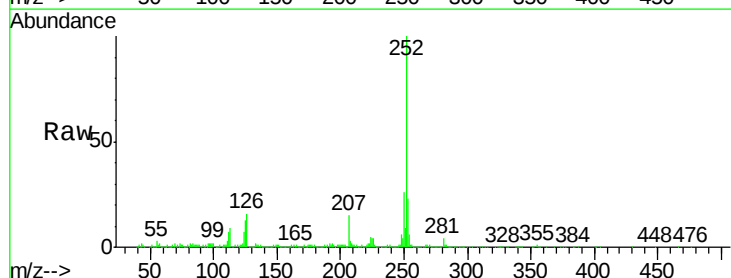
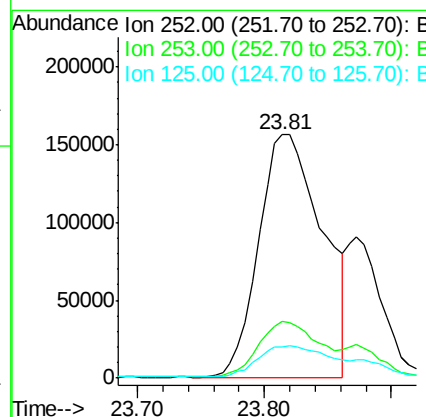
RT: 23.81 min Scan# 3527

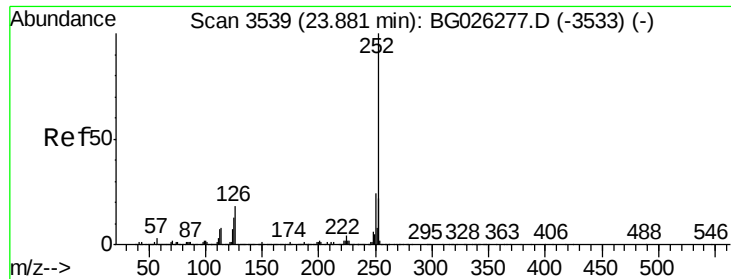
Delta R.T. -0.00 min

Lab File: BG026291.D

Acq: 17 Mar 2017 21:15

Tgt Ion:	252	Resp:	546648
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	12.7	9.4	14.0





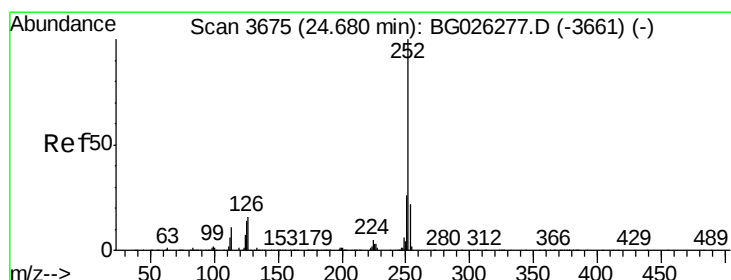
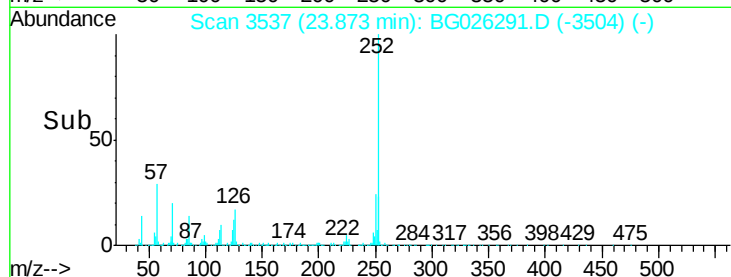
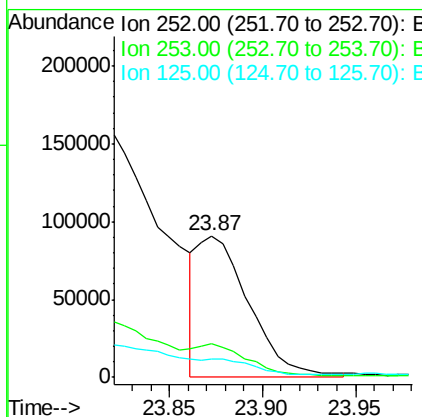
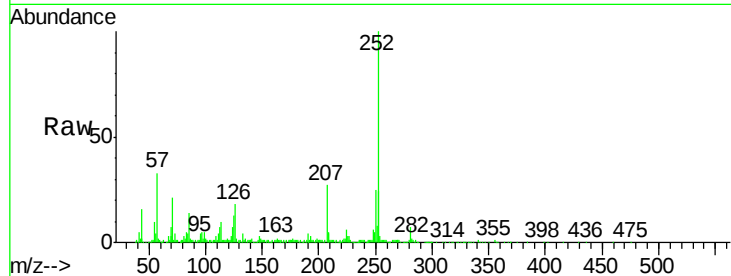
#25
Benzo(k)fluoranthene
Concen: 5.36 ng/ul m
RT: 23.87 min Scan# 3537
Delta R.T. -0.01 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

Instrument :
BNA_G
ClientSampleId :
CB2Z4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	13.0	8.8	13.2

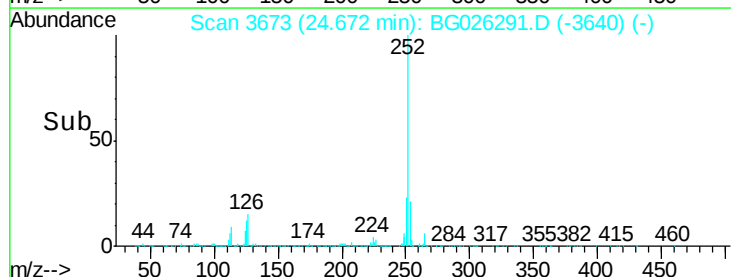
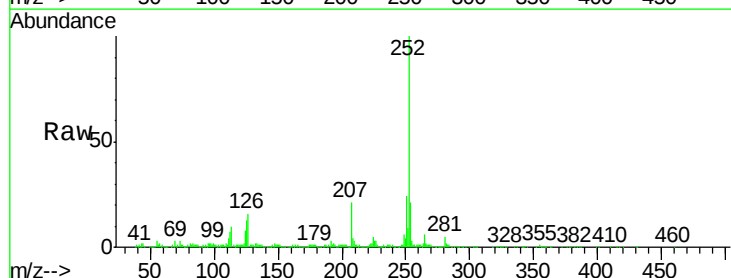
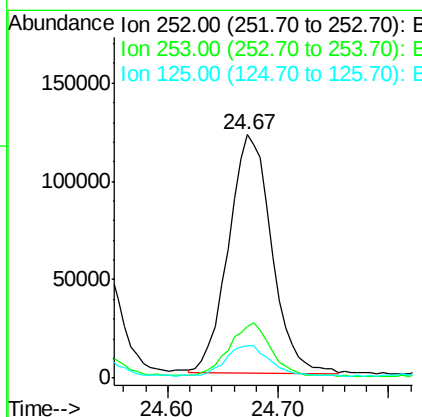
Manual Integrations
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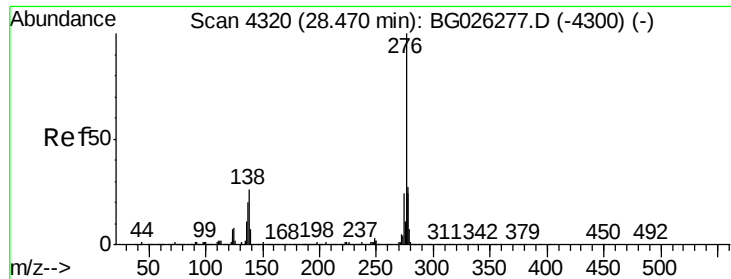
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#27
Benzo(a)pyrene
Concen: 10.50 ng/ul
RT: 24.67 min Scan# 3673
Delta R.T. -0.01 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	13.2	9.4	14.2





#28

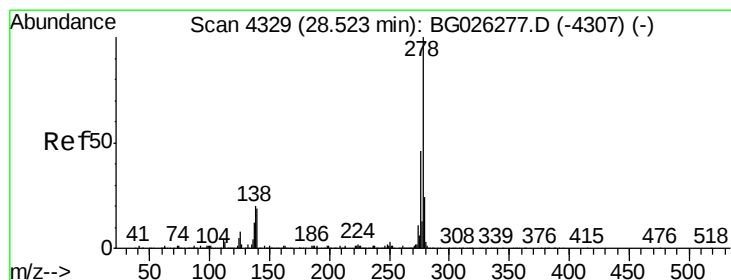
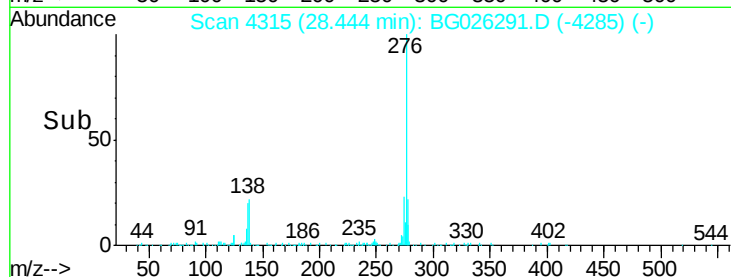
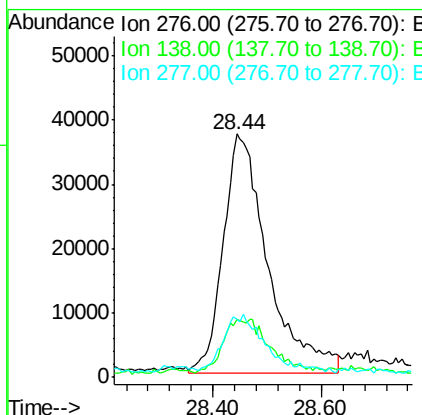
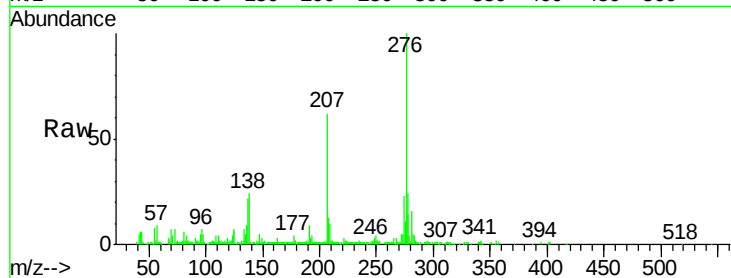
Indeno(1,2,3-cd)pyrene
Concen: 6.14 ng/ul m
RT: 28.44 min Scan# 4315
Delta R.T. -0.03 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

Instrument :
BNA_G
ClientSampleId :
CB2Z4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	17.8	26.6
277	24.0	19.4	29.0

Manual Integrations
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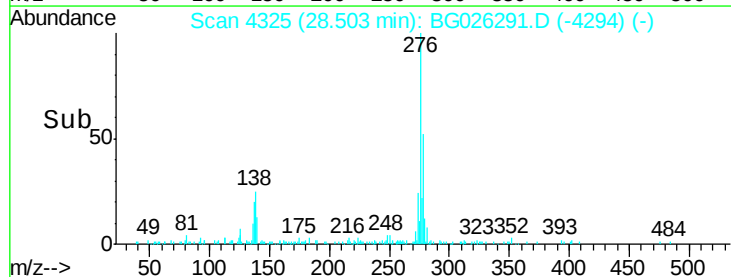
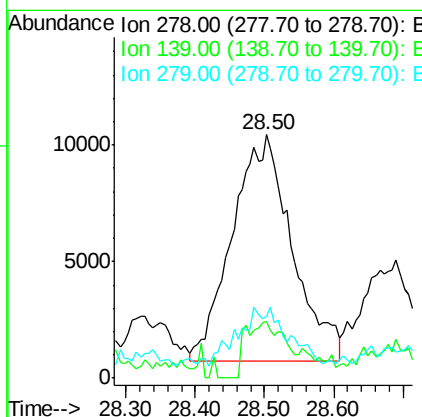
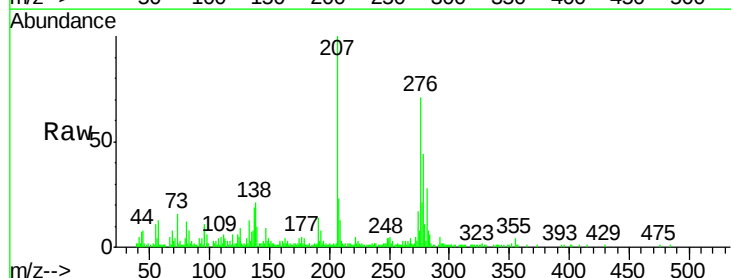
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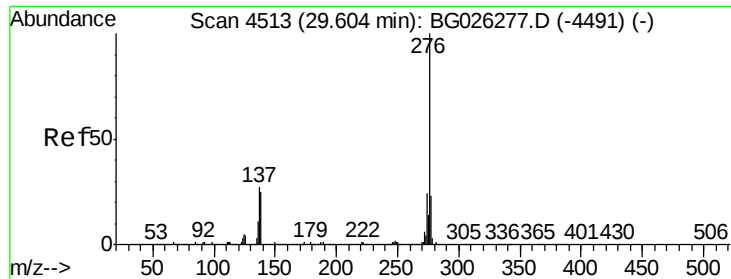


#29

Dibenzo(a,h)anthracene
Concen: 2.11 ng/ul m
RT: 28.50 min Scan# 4325
Delta R.T. -0.02 min
Lab File: BG026291.D
Acq: 17 Mar 2017 21:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	14.0	21.0#
279	25.3	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 5.48 ng/ul m

RT: 29.59 min Scan# 4510

Delta R.T. -0.01 min

Lab File: BG026291.D

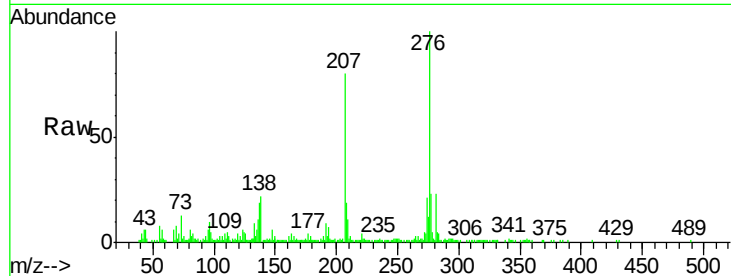
Acq: 17 Mar 2017 21:15

Instrument :

BNA_G

ClientSampleId :

CB2Z4



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		163390		
138	22.5	19.0	28.4		
277	22.9	19.7	29.5		

Manual Integrations
APPROVED

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