

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026282.D
 Acq On : 17 Mar 2017 14:43
 Operator : SJ/MA
 Sample : I2218-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Y1

Manual Integrations
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Quant Time: Mar 17 15:20:30 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 17 14:43:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	138051	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	644380	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	350218	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	680535	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	648967	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	606924	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	193766	20.30	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	784050	26.26	ng/ul	0.00
10) Fluorene-d10	15.65	176	542919	24.92	ng/ul	0.00
15) Anthracene-d10	17.49	188	708215	23.42	ng/ul	0.00
19) Pyrene-d10	19.77	212	758008	22.89	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	660778	25.24	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	79340	2.52	ng/ul	99
5) 2-Methylnaphthalene	12.50	142	38945	1.67	ng/ul	93
9) Acenaphthene	14.72	153	46534	2.16	ng/ul	98
11) Fluorene	15.70	166	56832	2.34	ng/ul	95
14) Phenanthrene	17.43	178	692413	19.20	ng/ul	99
16) Anthracene	17.52	178	146631	4.02	ng/ul	97
17) Fluoranthene	19.43	202	863533	23.06	ng/ul	97
20) Pyrene	19.80	202	713304	17.26	ng/ul	98
21) Benzo(a)anthracene	21.62	228	387662	10.73	ng/ul	98
22) Chrysene	21.68	228	349572	10.37	ng/ul	99
24) Benzo(b)fluoranthene	23.82	252	425267	12.34	ng/ul	99
25) Benzo(k)fluoranthene	23.87	252	172851m	5.25	ng/ul	
27) Benzo(a)pyrene	24.68	252	289562	9.04	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.46	276	142639	4.03	ng/ul	96
29) Dibenzo(a,h)anthracene	28.50	278	43492m	1.55	ng/ul	
30) Benzo(g,h,i)perylene	29.60	276	123304m	4.07	ng/ul	

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

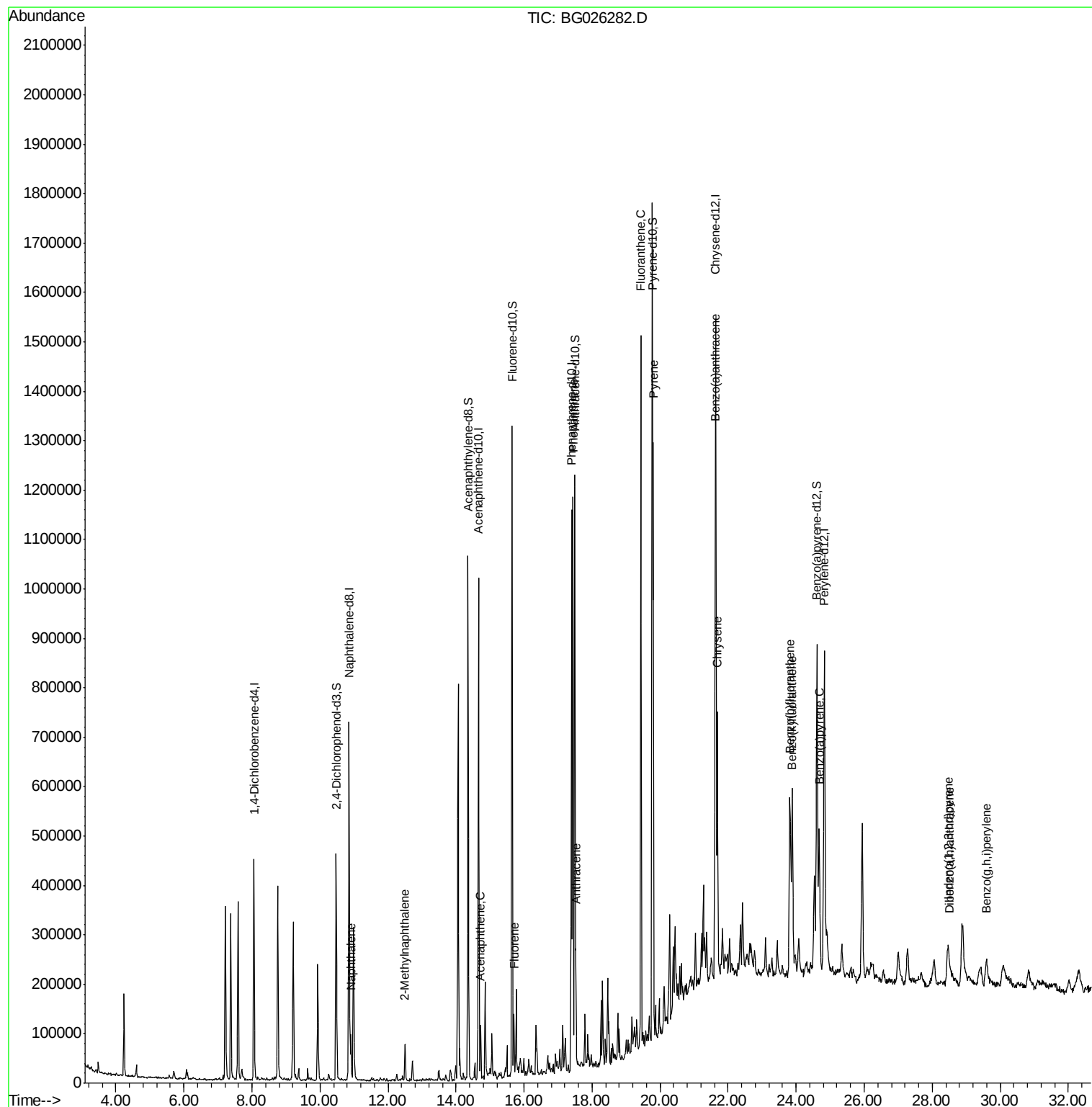
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
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ALS Vial : 7 Sample Multiplier: 1

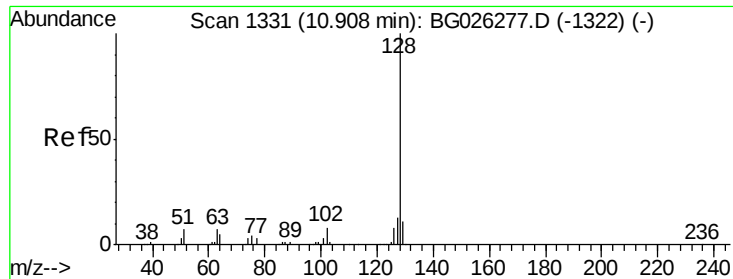
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 17 14:43:33 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 2.52 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Instrument :

BNA_G

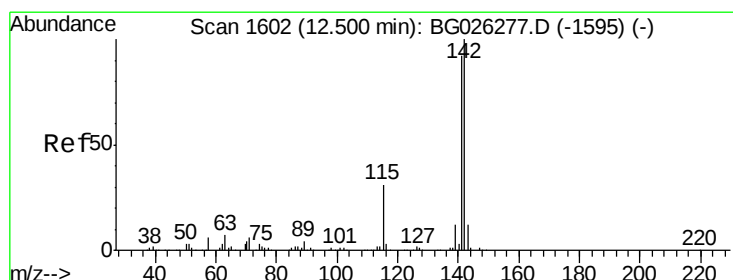
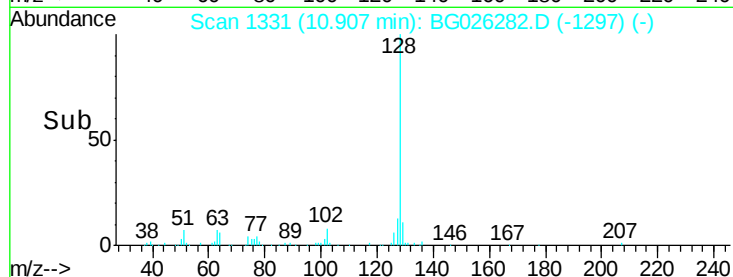
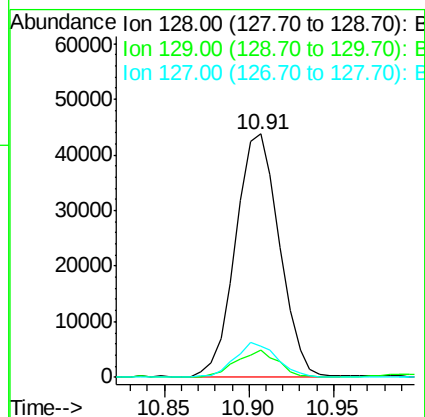
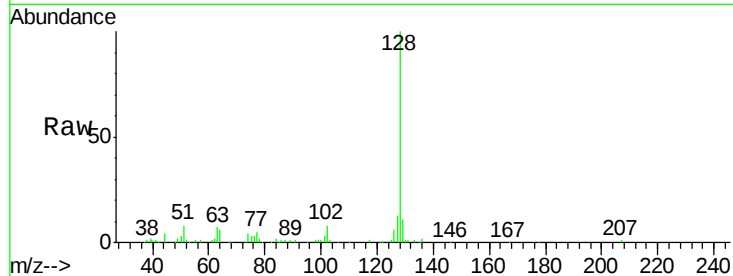
ClientSampled :

CB2Y1

Tgt Ion:	128	Resp:	79340
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.1	13.7
127	12.8	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 1.67 ng/ul

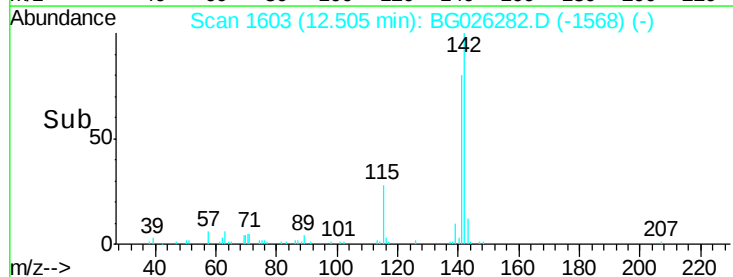
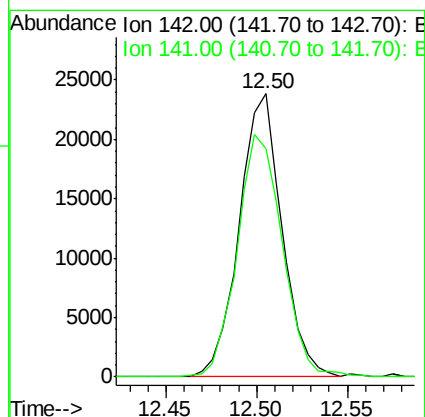
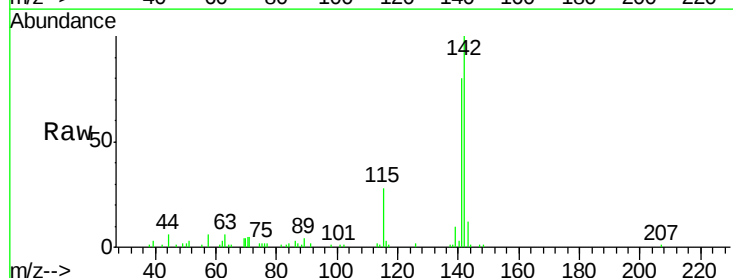
RT: 12.50 min Scan# 1603

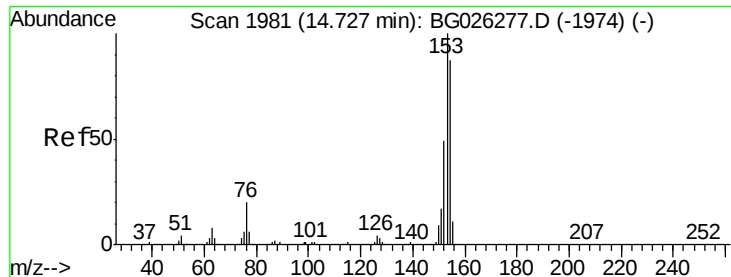
Delta R.T. 0.00 min

Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Tgt Ion:	142	Resp:	38945
Ion Ratio	Lower	Upper	
142	100		
141	80.5	69.8	104.8





#9

Acenaphthene

Concen: 2.16 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Instrument :

BNA_G

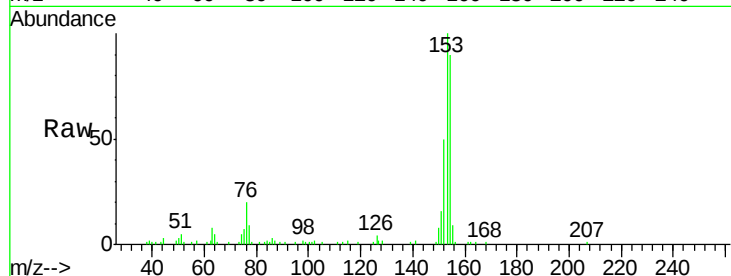
ClientSampleId :

CB2Y1

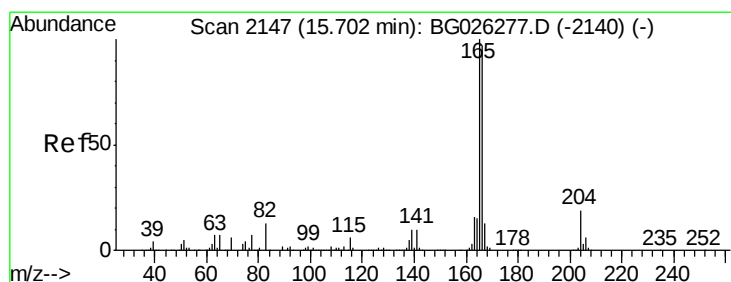
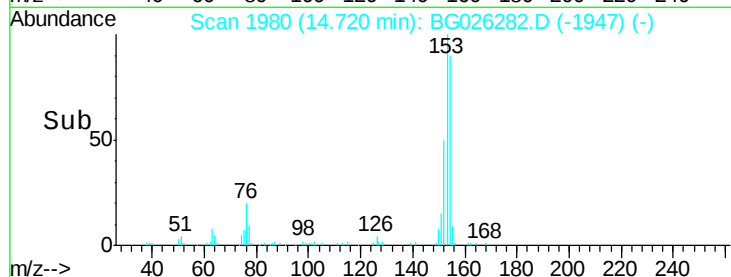
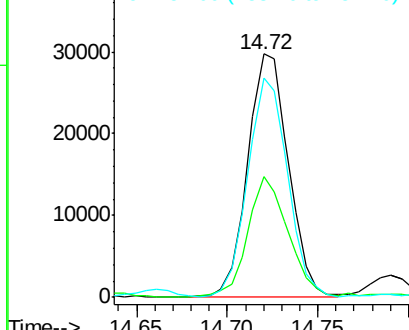
Tgt Ion:	153	Resp:	46534
Ion Ratio	Lower	Upper	
153	100		
152	49.6	37.9	56.9
154	90.2	71.6	107.4

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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



#11

Fluorene

Concen: 2.34 ng/ul

RT: 15.70 min Scan# 2147

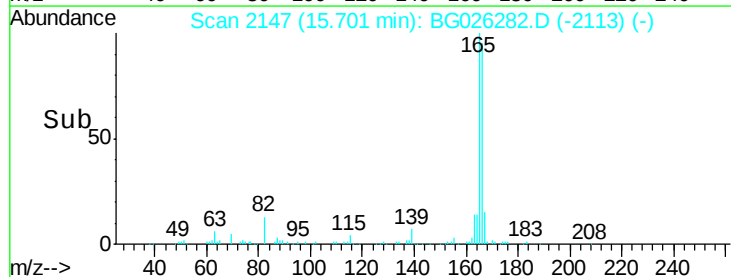
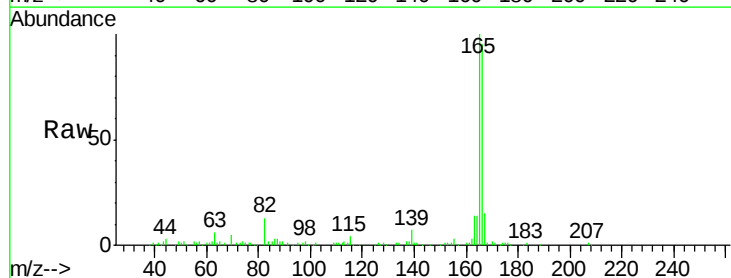
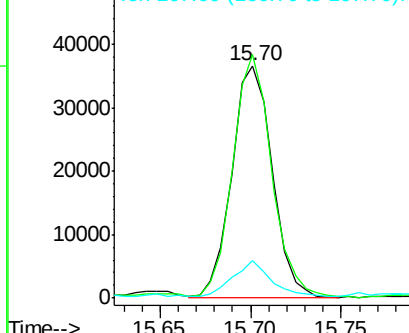
Delta R.T. -0.00 min

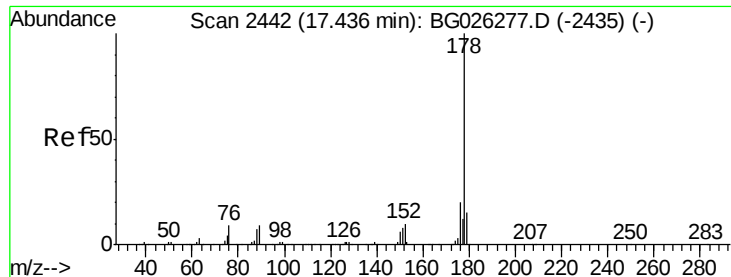
Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Tgt Ion:	166	Resp:	56832
Ion Ratio	Lower	Upper	
166	100		
165	104.8	80.0	120.0
167	16.1	11.6	17.4

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





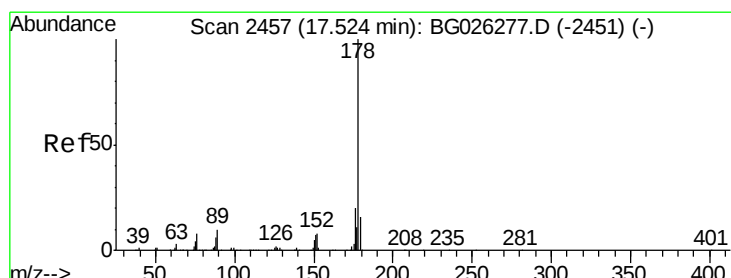
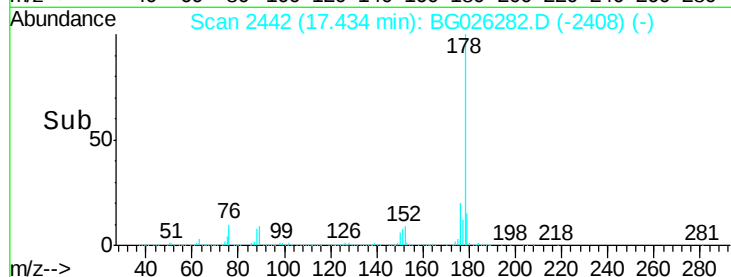
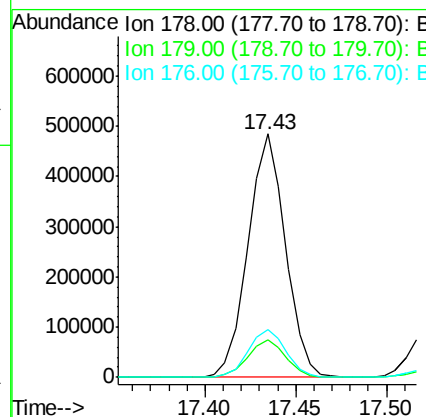
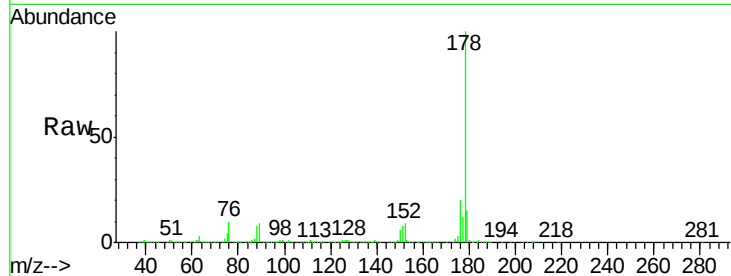
#14
Phenanthrene
Concen: 19.20 ng/ul
RT: 17.43 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG026282.D
Acq: 17 Mar 2017 14:43

Instrument :
BNA_G
ClientSampleId :
CB2Y1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.9	16.4	24.6

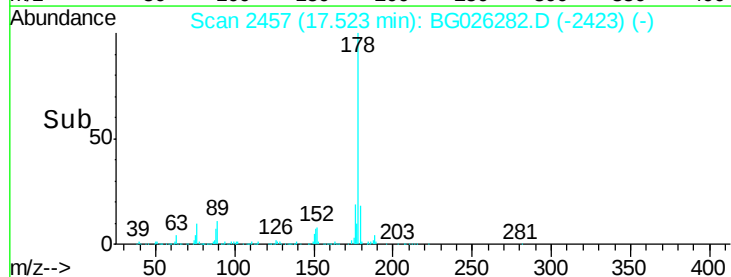
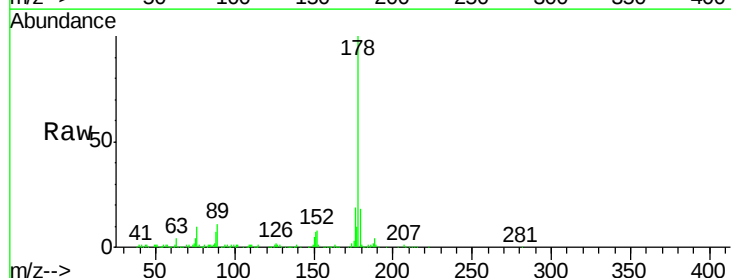
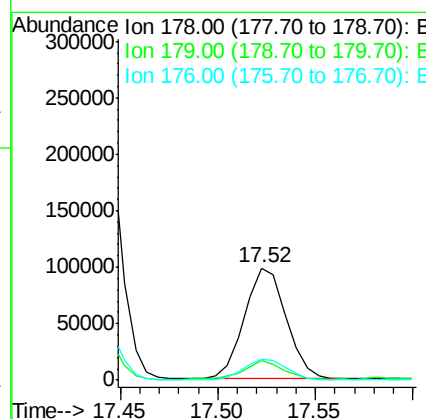
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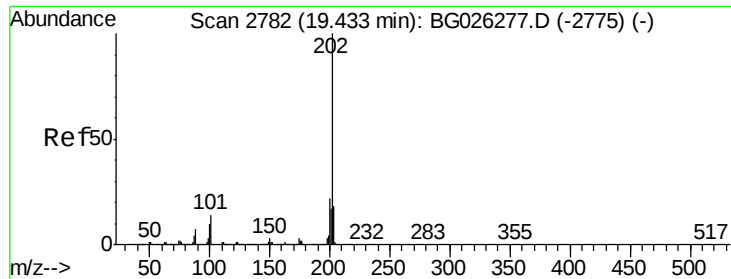
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#16
Anthracene
Concen: 4.02 ng/ul
RT: 17.52 min Scan# 2457
Delta R.T. -0.00 min
Lab File: BG026282.D
Acq: 17 Mar 2017 14:43

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.9	12.7	19.1
176	19.2	15.8	23.8





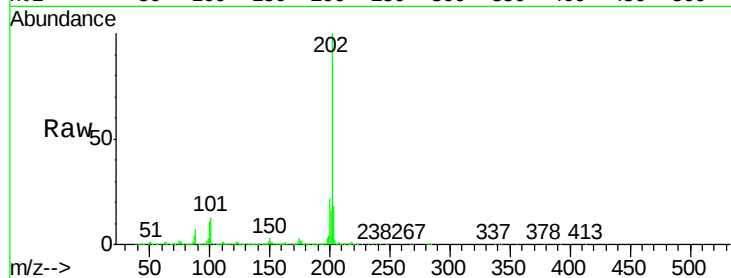
#17
Fluoranthene
 Concen: 23.06 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG026282.D
 Acq: 17 Mar 2017 14:43

Instrument :
 BNA_G
 ClientSampleId :
 CB2Y1

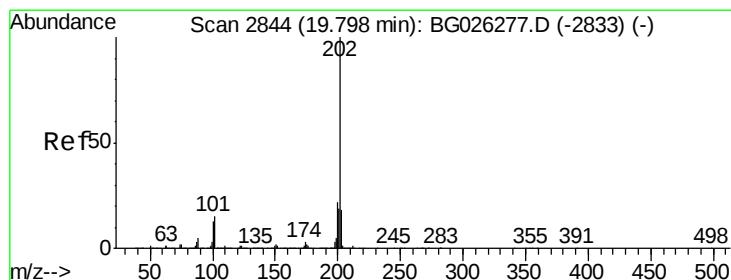
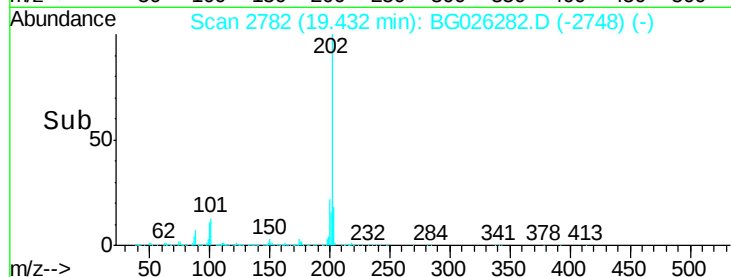
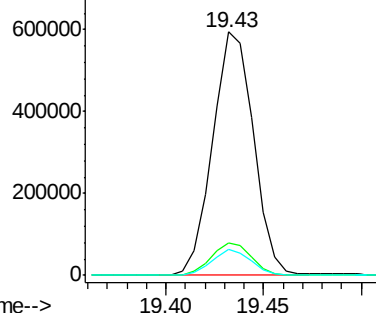
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.5	9.8	14.8
100	10.7	7.5	11.3

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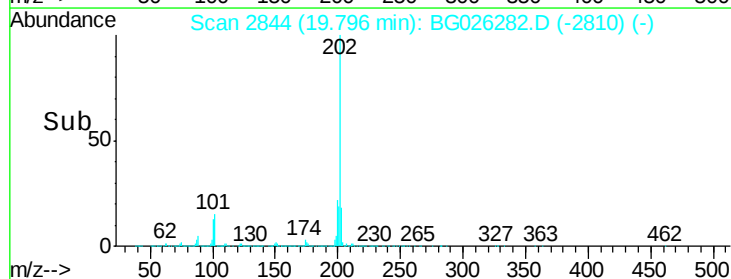
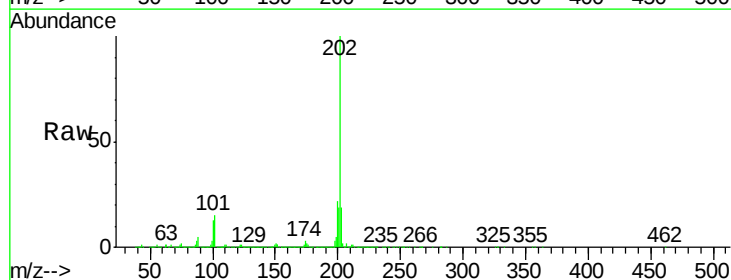
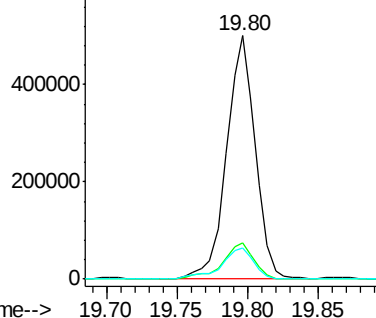
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

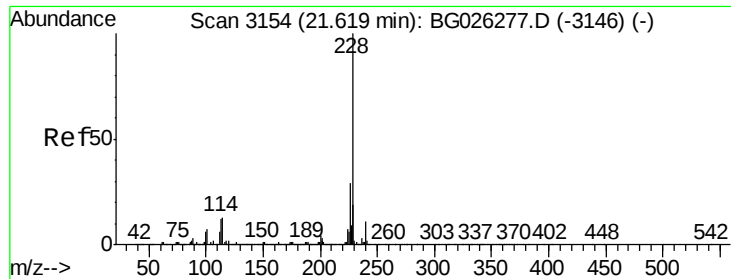


#20
Pyrene
 Concen: 17.26 ng/ul
 RT: 19.80 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BG026282.D
 Acq: 17 Mar 2017 14:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.9	11.2	16.8
100	12.6	9.8	14.6

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





#21

Benzo(a)anthracene

Concen: 10.73 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Instrument :

BNA_G

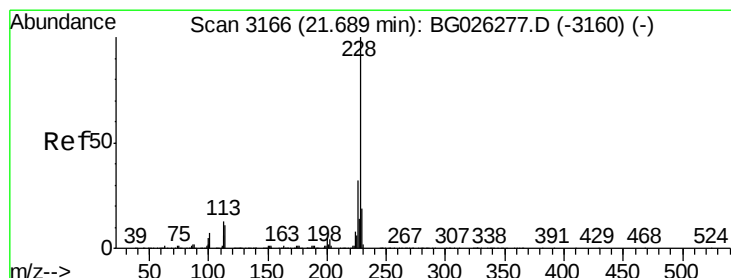
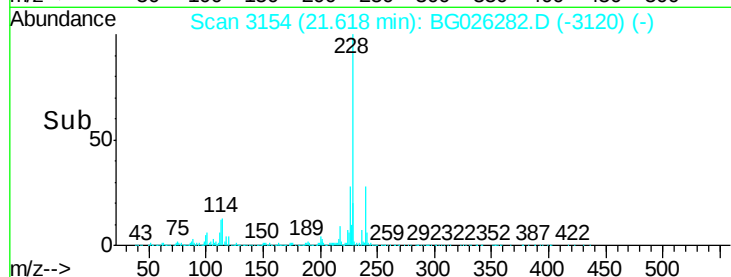
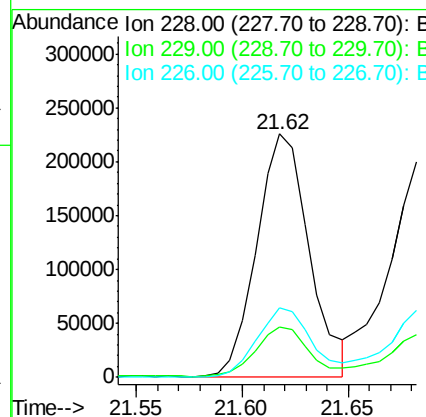
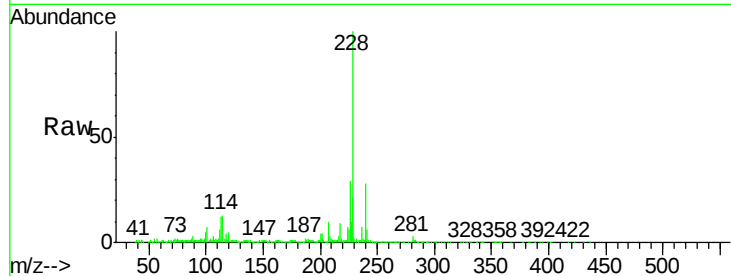
ClientSampleId :

CB2Y1

Tgt	Ion:228	Resp:	387662
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	28.6	22.1	33.1

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#22

Chrysene

Concen: 10.37 ng/ul

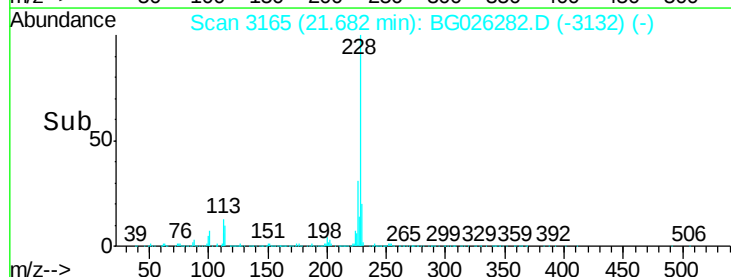
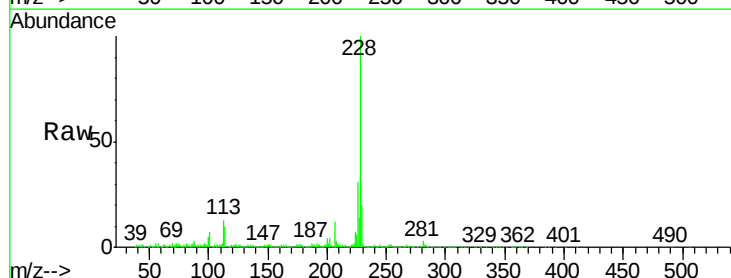
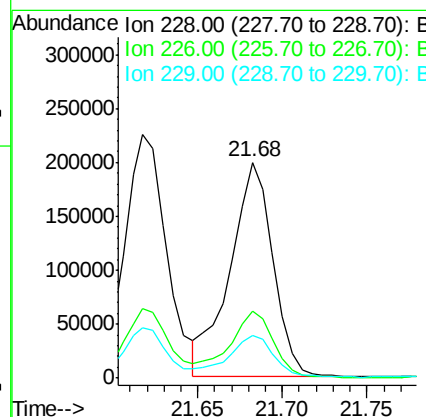
RT: 21.68 min Scan# 3165

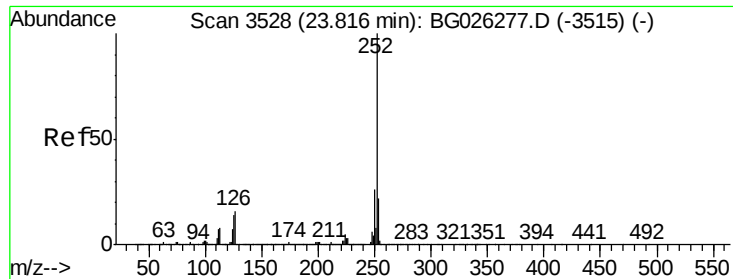
Delta R.T. -0.01 min

Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Tgt	Ion:228	Resp:	349572
Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.1	16.6	25.0





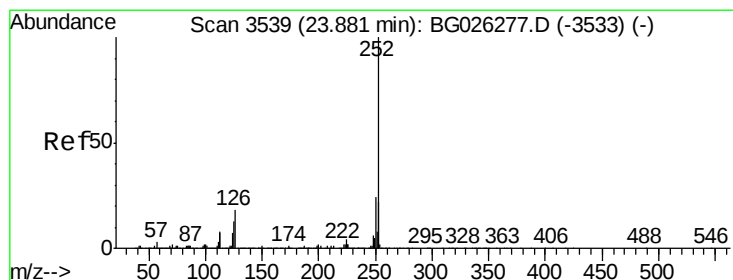
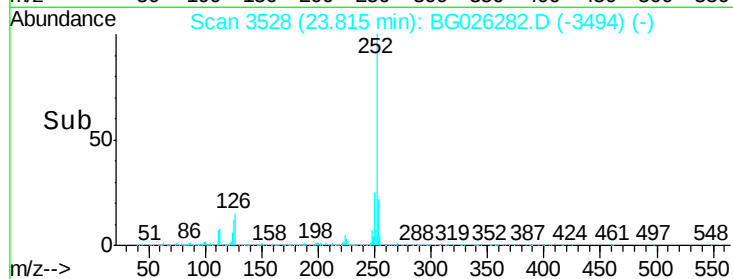
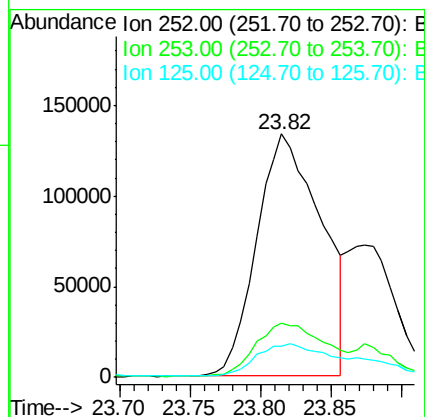
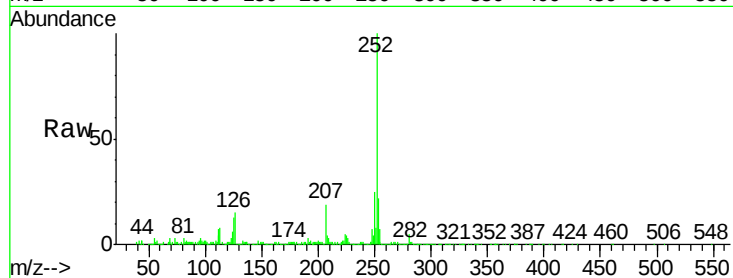
#24
Benzo(b)fluoranthene
Concen: 12.34 ng/ul
RT: 23.82 min Scan# 3528
Delta R.T. -0.00 min
Lab File: BG026282.D
Acq: 17 Mar 2017 14:43

Instrument :
BNA_G
ClientSampleId :
CB2Y1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	13.0	9.4	14.0

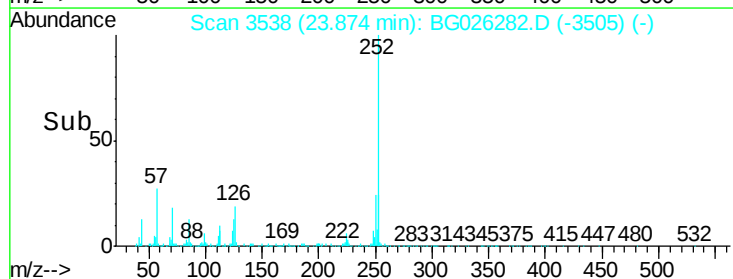
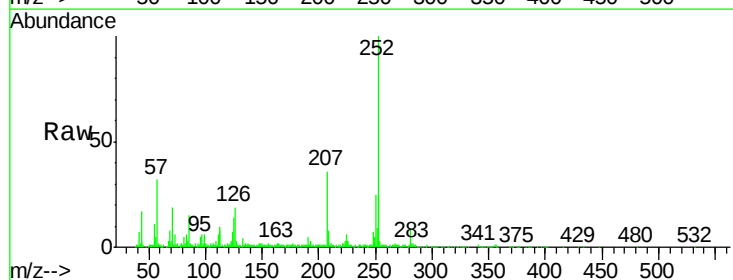
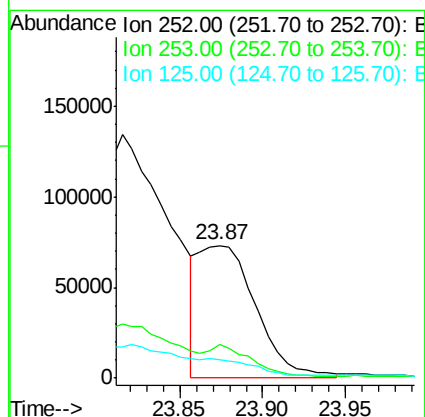
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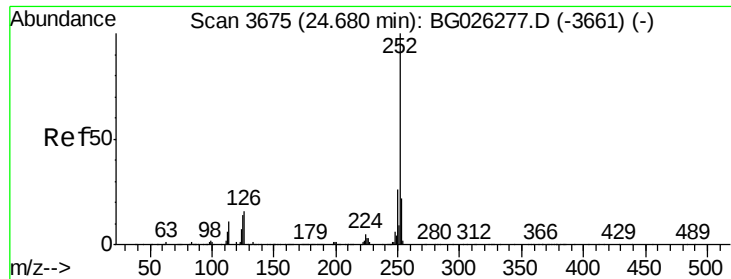
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#25
Benzo(k)fluoranthene
Concen: 5.25 ng/ul m
RT: 23.87 min Scan# 3538
Delta R.T. -0.01 min
Lab File: BG026282.D
Acq: 17 Mar 2017 14:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.2
125	14.2	8.8	13.2#





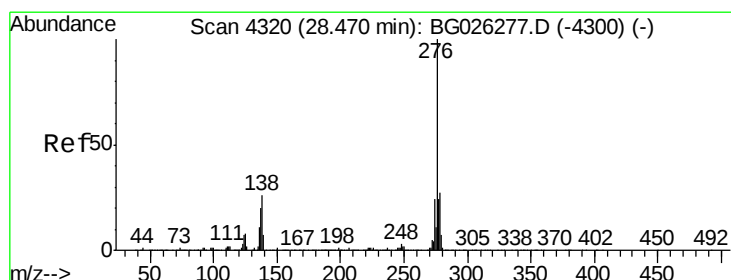
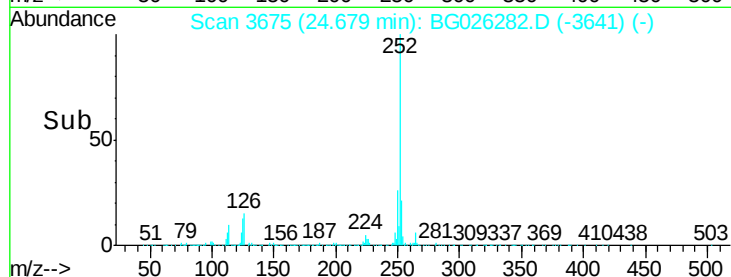
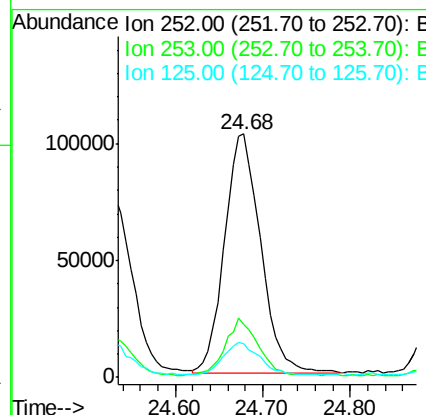
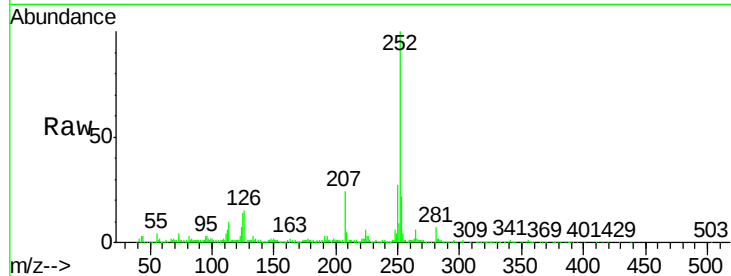
#27
Benzo(a)pyrene
Concen: 9.04 ng/ul
RT: 24.68 min Scan# 3675
Delta R.T. -0.00 min
Lab File: BG026282.D
Acq: 17 Mar 2017 14:43

Instrument :
BNA_G
ClientSampleId :
CB2Y1

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.6	17.1	25.7
125	13.9	9.4	14.2

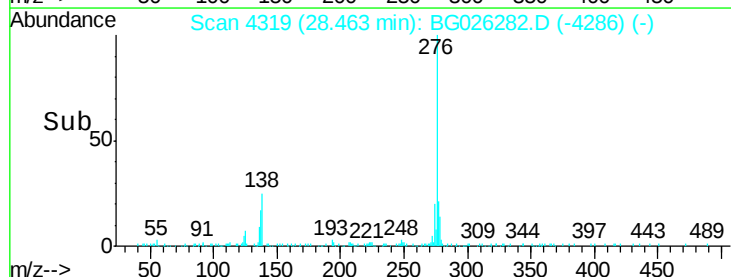
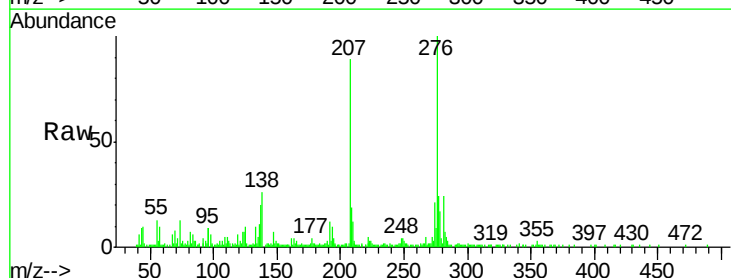
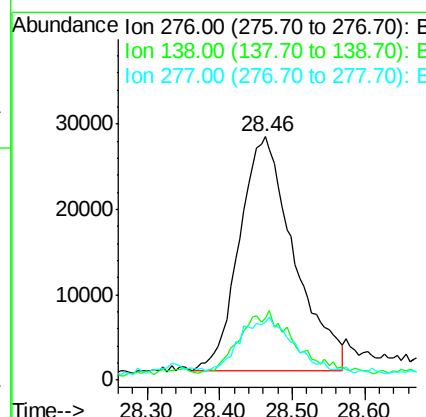
Manual Integrations
APPROVED

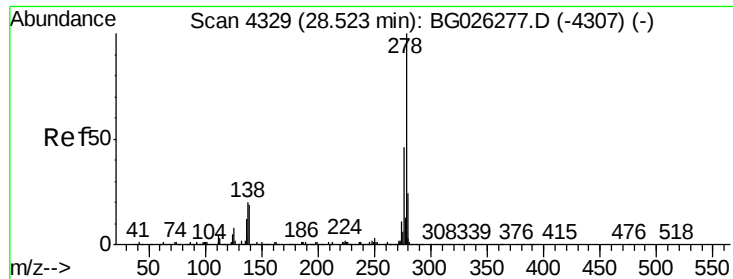
mohammad
3/20/2017 12:54:35 PM



#28
Indeno(1,2,3-cd)pyrene
Concen: 4.03 ng/ul
RT: 28.46 min Scan# 4319
Delta R.T. -0.01 min
Lab File: BG026282.D
Acq: 17 Mar 2017 14:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.7	17.8	26.6
277	23.9	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.55 ng/ul m

RT: 28.50 min Scan# 4326

Delta R.T. -0.02 min

Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Instrument :

BNA_G

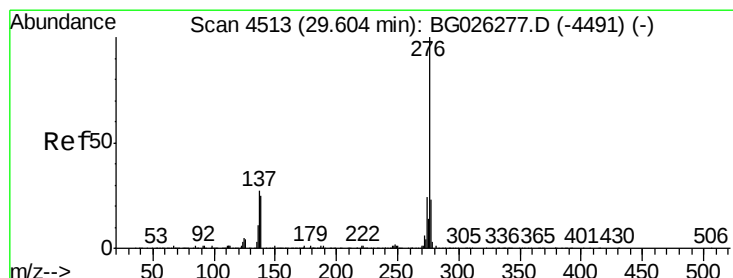
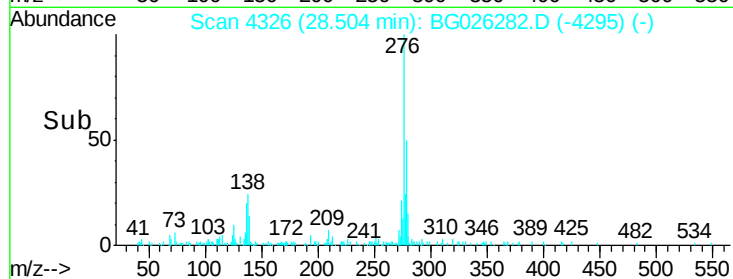
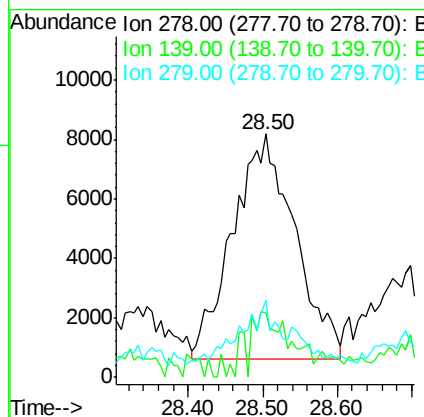
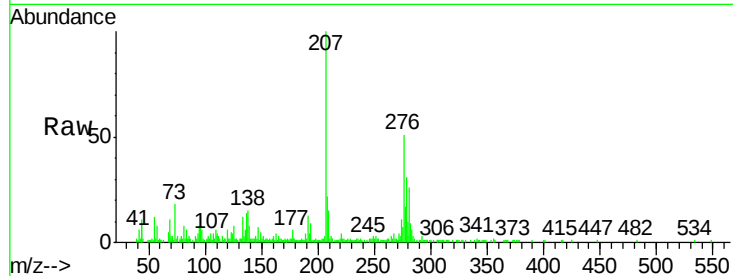
ClientSampleId :

CB2Y1

Tgt Ion:	278	Resp:	43492
Ion Ratio	Lower	Upper	
278	100		
139	26.5	14.0	21.0#
279	31.6	20.6	31.0#

Manual Integrations
APPROVED

mohammad
3/20/2017 12:54:35 PM



#30

Benzo(g,h,i)perylene

Concen: 4.07 ng/ul m

RT: 29.60 min Scan# 4513

Delta R.T. -0.00 min

Lab File: BG026282.D

Acq: 17 Mar 2017 14:43

Tgt Ion:	276	Resp:	123304
Ion Ratio	Lower	Upper	
276	100		
138	26.9	19.0	28.4
277	26.4	19.7	29.5

