

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026294.D
 Acq On : 17 Mar 2017 23:13
 Operator : SJ/MA
 Sample : I2218-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z6

Manual Integrations
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Quant Time: Mar 18 00:35:44 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:29:44 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	142760	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	665870	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	358235	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	707921	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	696049	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	652665	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	137799	13.97	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	783683	25.66	ng/ul	0.00
10) Fluorene-d10	15.64	176	539505	24.21	ng/ul	0.00
15) Anthracene-d10	17.49	188	692323	22.01	ng/ul	0.00
19) Pyrene-d10	19.77	212	745892	21.00	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	681458	24.21	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	43818	1.35	ng/ul#	94
5) 2-Methylnaphthalene	12.50	142	25301	1.05	ng/ul	99
9) Acenaphthene	14.72	153	66624	3.02	ng/ul	96
11) Fluorene	15.70	166	79068	3.18	ng/ul	96
14) Phenanthrene	17.44	178	975842	26.01	ng/ul	99
16) Anthracene	17.52	178	152661	4.03	ng/ul	100
17) Fluoranthene	19.43	202	1200155	30.81	ng/ul	97
20) Pyrene	19.80	202	1060075	23.92	ng/ul	99
21) Benzo(a)anthracene	21.62	228	497610	12.85	ng/ul	100
22) Chrysene	21.68	228	513818	14.21	ng/ul	99
24) Benzo(b)fluoranthene	23.82	252	610319	16.47	ng/ul	97
25) Benzo(k)fluoranthene	23.87	252	218798m	6.18	ng/ul	
27) Benzo(a)pyrene	24.67	252	381742	11.09	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.46	276	214572	5.64	ng/ul	100
29) Dibenzo(a,h)anthracene	28.49	278	59741m	1.98	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	158551	4.87	ng/ul	99

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

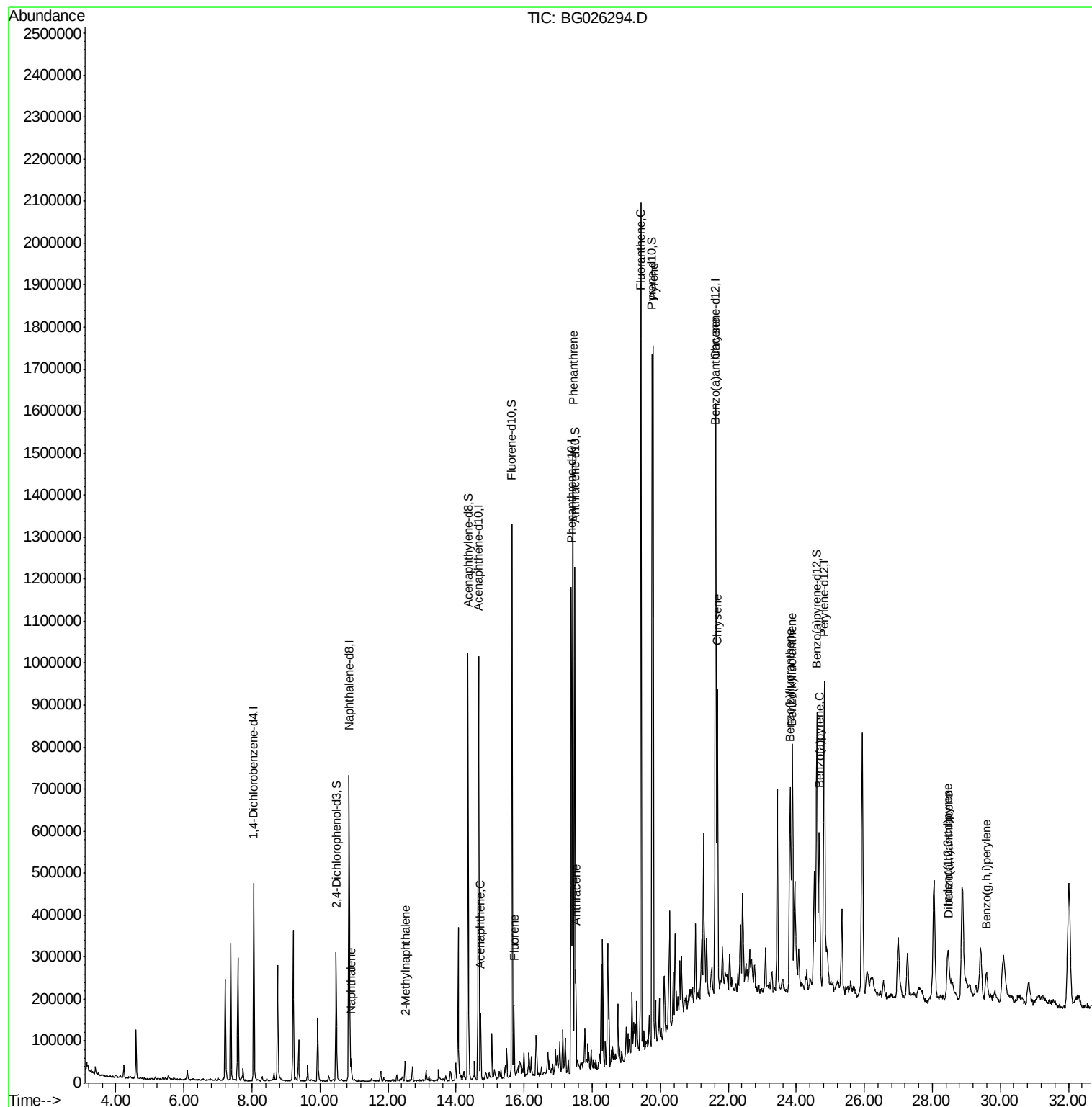
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
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ALS Vial : 18 Sample Multiplier: 1

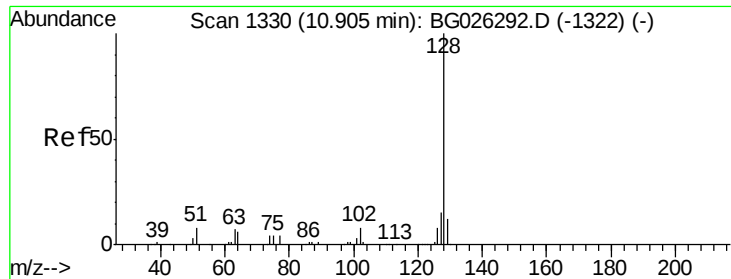
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Quant Time: Mar 18 00:35:44 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:29:44 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.35 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Instrument :

BNA_G

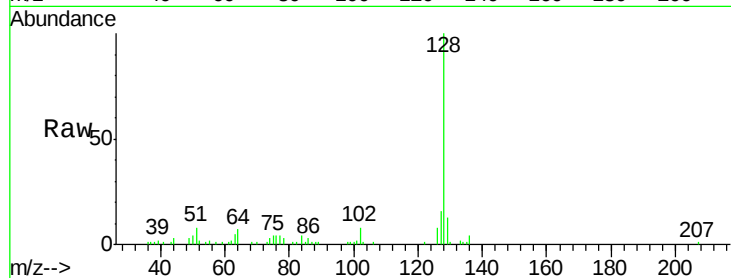
ClientSampleId :

CB2Z6

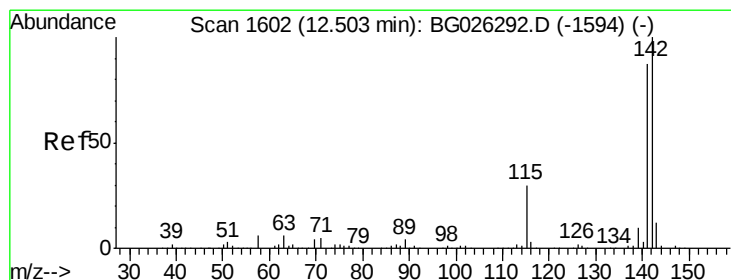
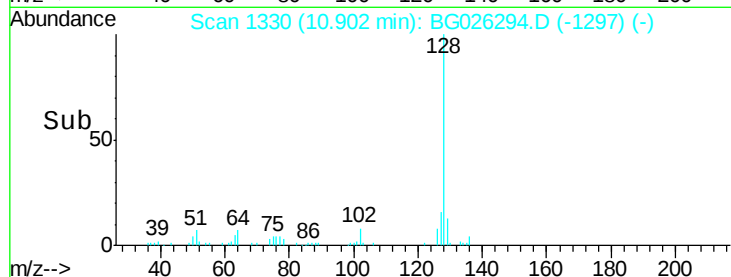
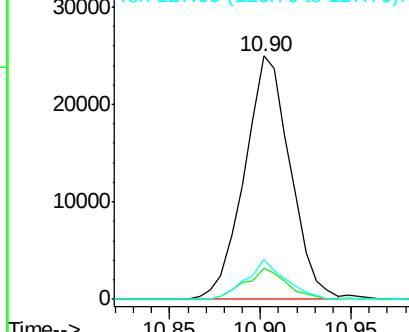
Tgt Ion:	128	Resp:	43818
Ion Ratio	Lower	Upper	
128	100		
129	12.5	9.1	13.7
127	16.3	10.6	15.8#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.05 ng/ul

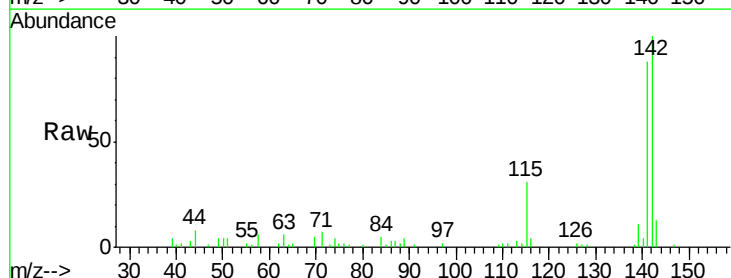
RT: 12.50 min Scan# 1602

Delta R.T. -0.00 min

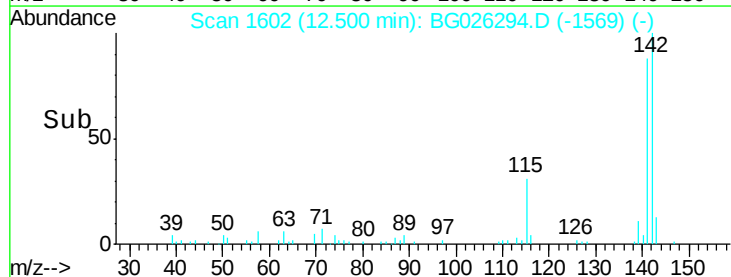
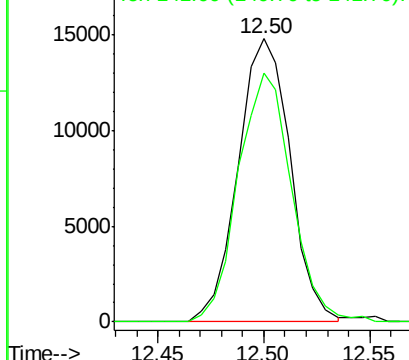
Lab File: BG026294.D

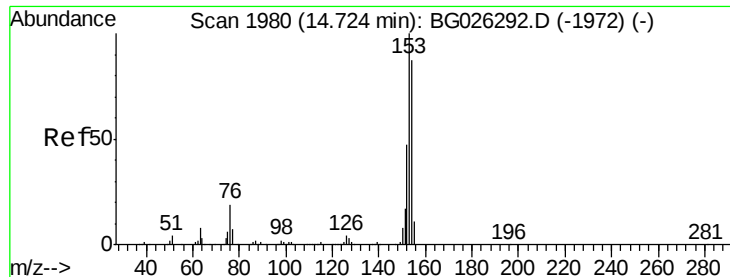
Acq: 17 Mar 2017 23:13

Tgt Ion:	142	Resp:	25301
Ion Ratio	Lower	Upper	
142	100		
141	87.9	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 3.02 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Instrument :

BNA_G

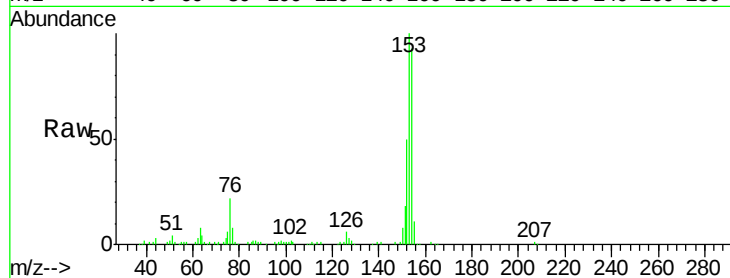
ClientSampleId :

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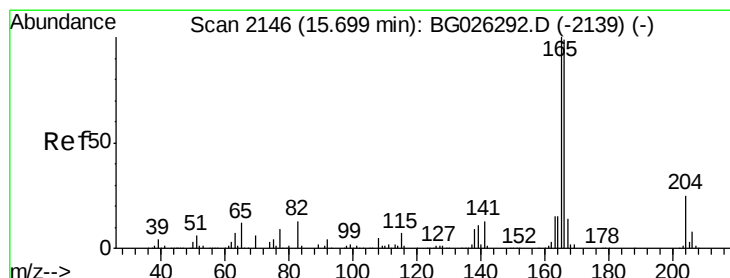
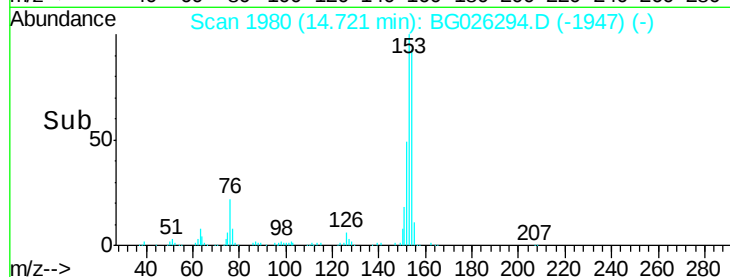
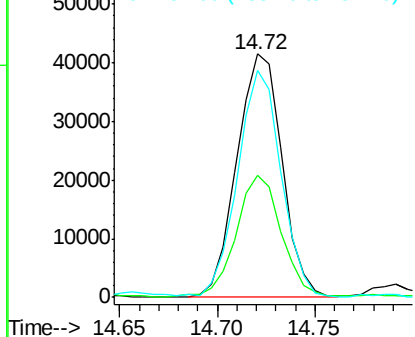
Tgt Ion:	153	Resp:	66624
Ion Ratio	Lower	Upper	
153	100		
152	50.1	37.9	56.9
154	93.4	71.6	107.4

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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: 3.18 ng/ul

RT: 15.70 min Scan# 2146

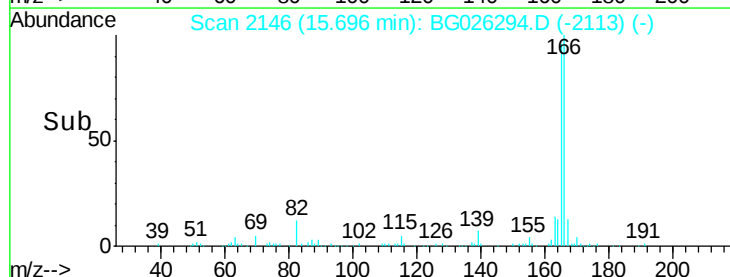
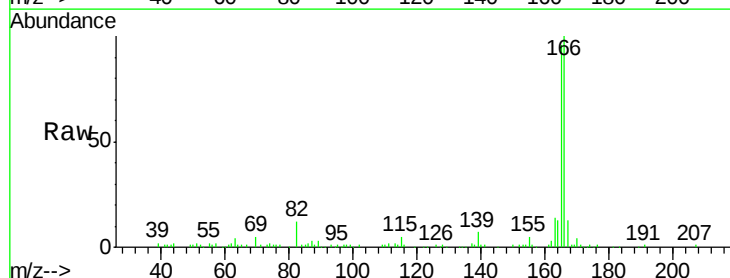
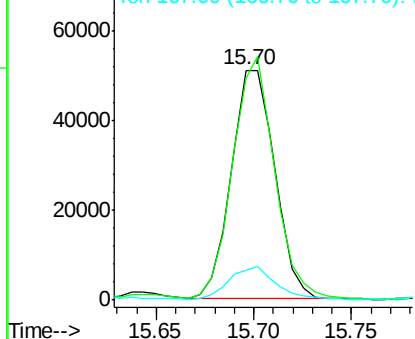
Delta R.T. -0.00 min

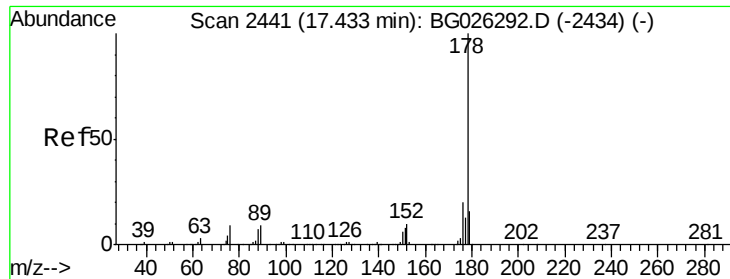
Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Tgt Ion:	166	Resp:	79068
Ion Ratio	Lower	Upper	
166	100		
165	96.4	80.0	120.0
167	12.9	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: 26.01 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Instrument :

BNA_G

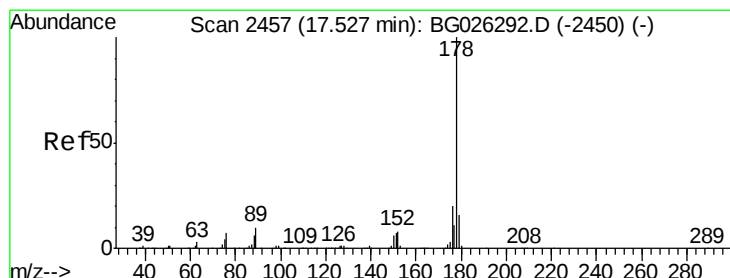
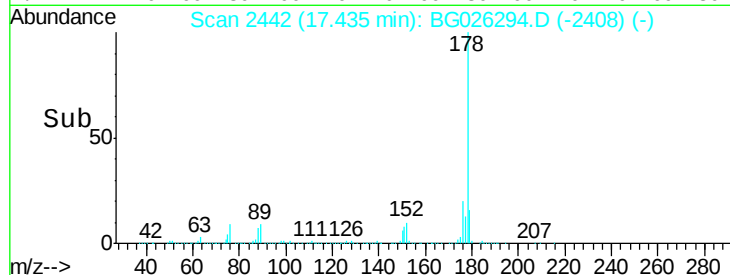
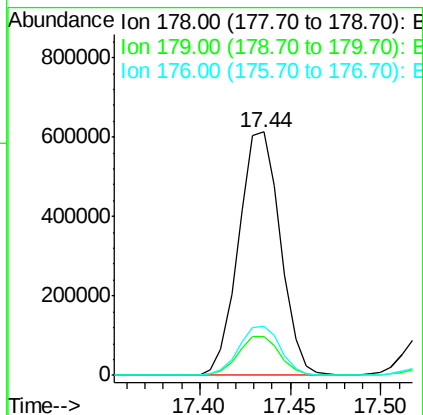
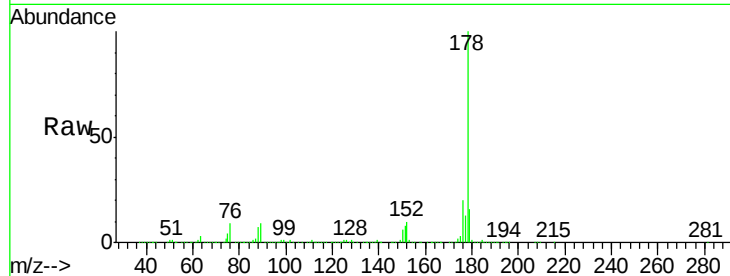
ClientSampleId :

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Tgt Ion:	178	Resp:	975842
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.2	18.4
176	20.2	16.4	24.6

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#16

Anthracene

Concen: 4.03 ng/ul

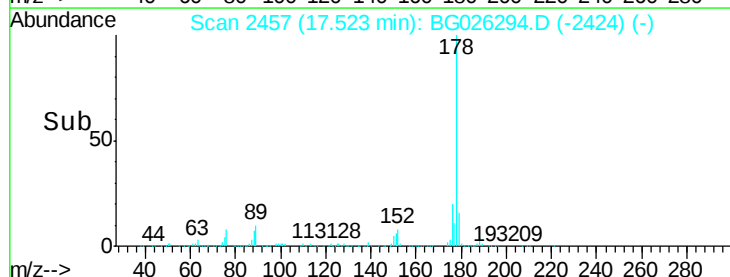
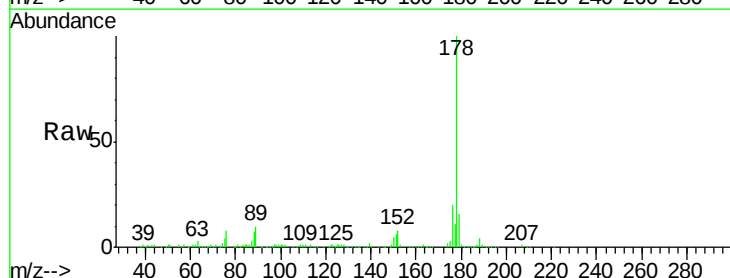
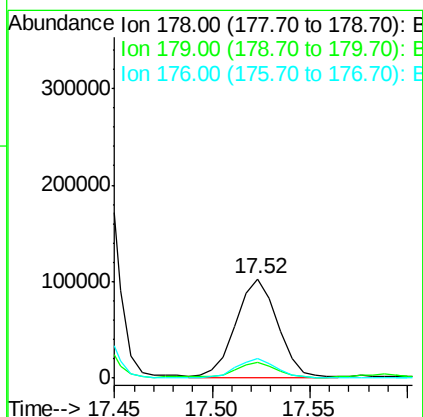
RT: 17.52 min Scan# 2457

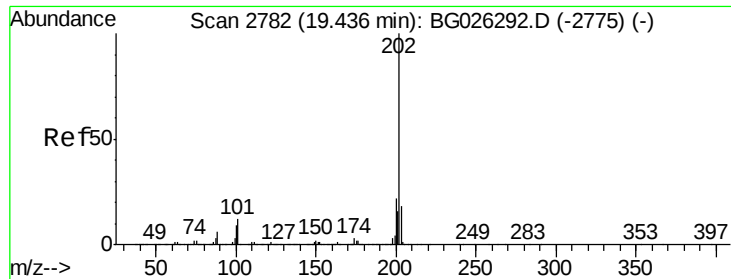
Delta R.T. -0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Tgt Ion:	178	Resp:	152661
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.7	19.1
176	19.5	15.8	23.8





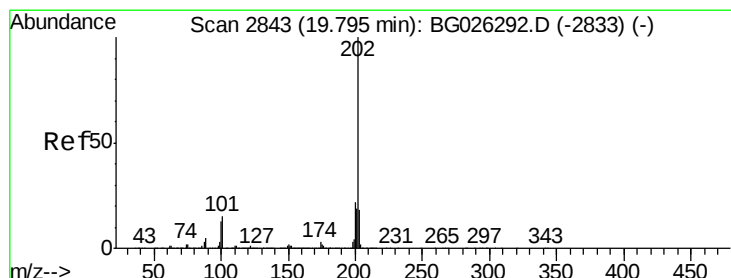
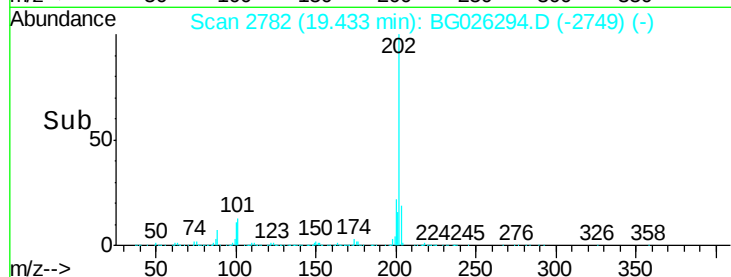
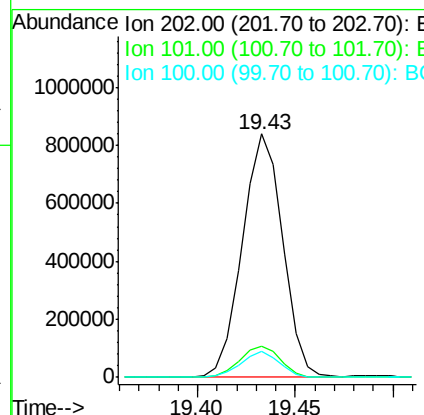
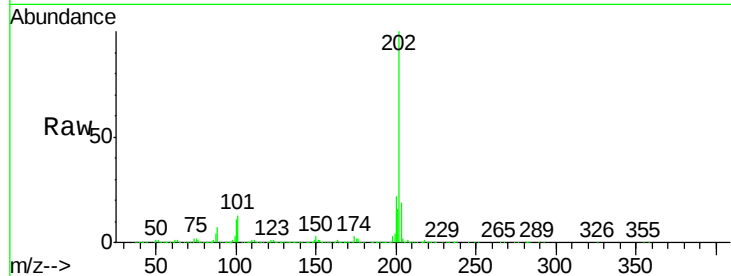
#17
Fluoranthene
 Concen: 30.81 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG026294.D
 Acq: 17 Mar 2017 23:13

Instrument :
 BNA_G
 ClientSampled :
 CB2Z6

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1200155		
101	13.1		9.8	14.8
100	10.9		7.5	11.3

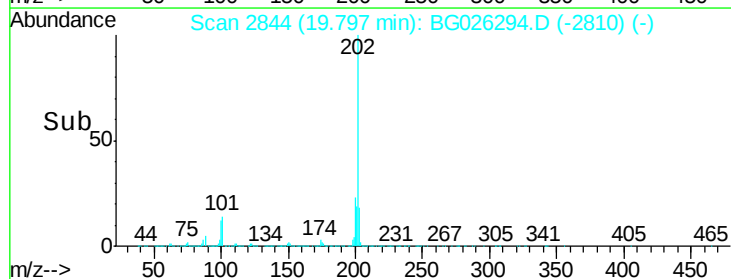
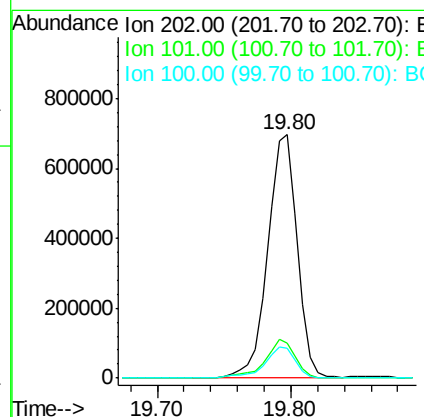
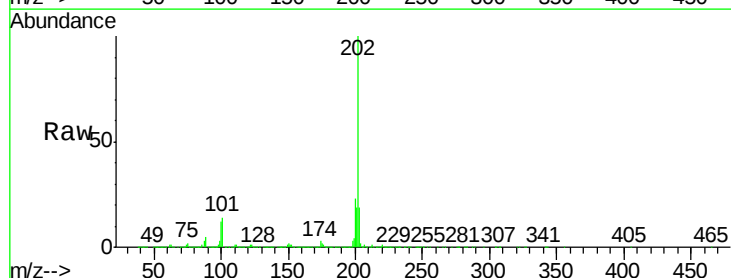
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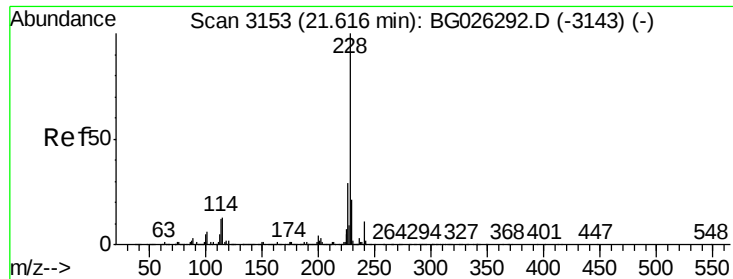
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#20
Pyrene
 Concen: 23.92 ng/ul
 RT: 19.80 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: BG026294.D
 Acq: 17 Mar 2017 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1060075		
101	14.4		11.2	16.8
100	12.2		9.8	14.6





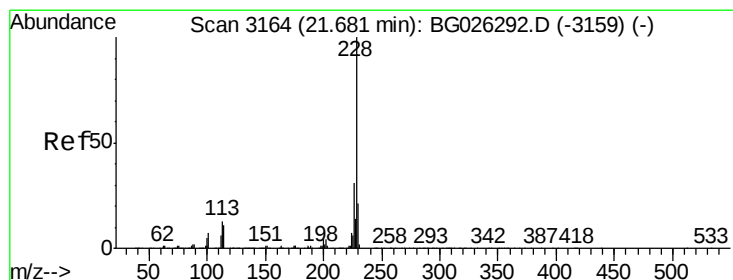
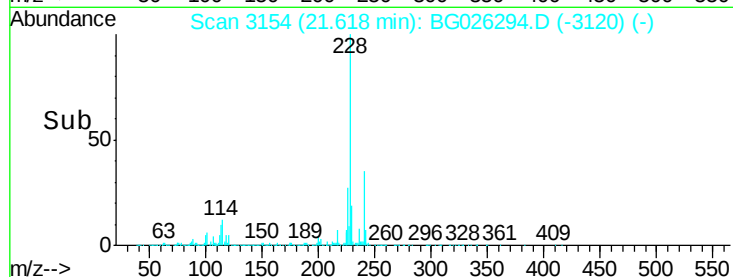
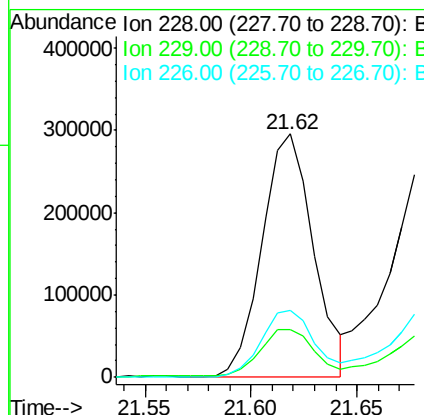
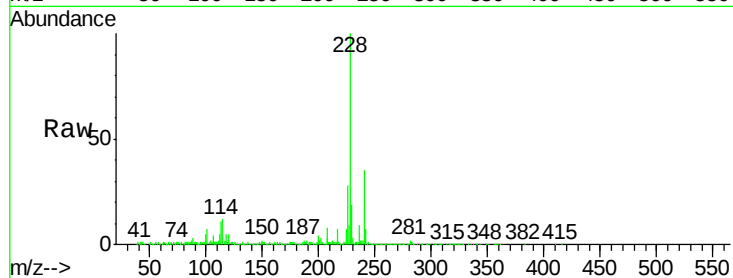
#21
Benzo(a)anthracene
Concen: 12.85 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.00 min
Lab File: BG026294.D
Acq: 17 Mar 2017 23:13

Instrument :
BNA_G
ClientSampleId :
CB2Z6

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.9	23.9
226	27.6	22.1	33.1

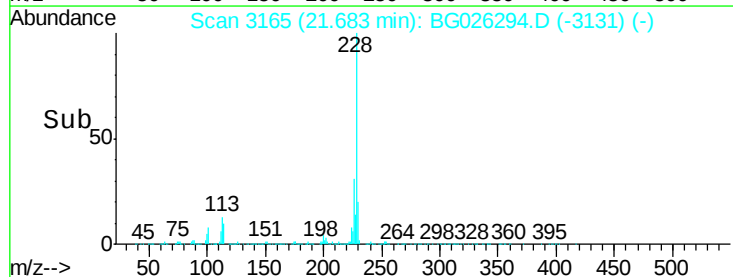
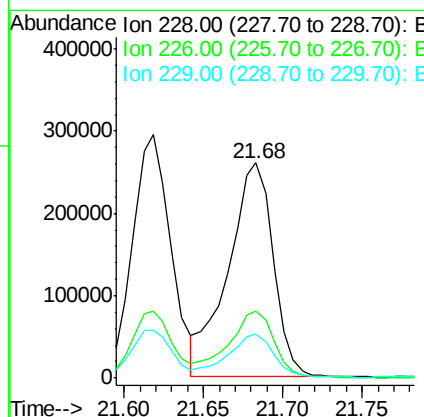
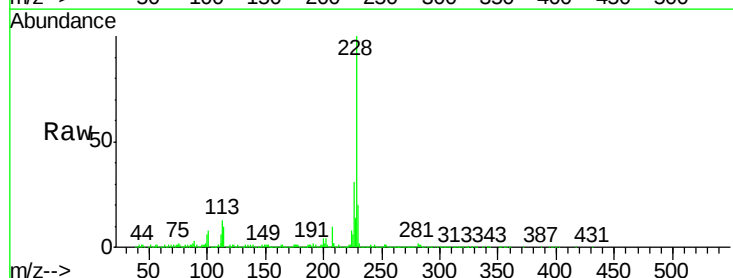
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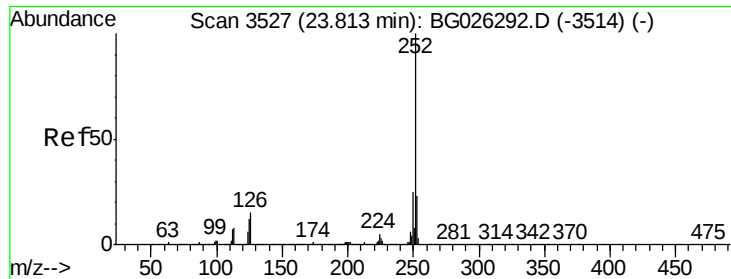
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#22
Chrysene
Concen: 14.21 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. 0.00 min
Lab File: BG026294.D
Acq: 17 Mar 2017 23:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.3	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 16.47 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Instrument :

BNA_G

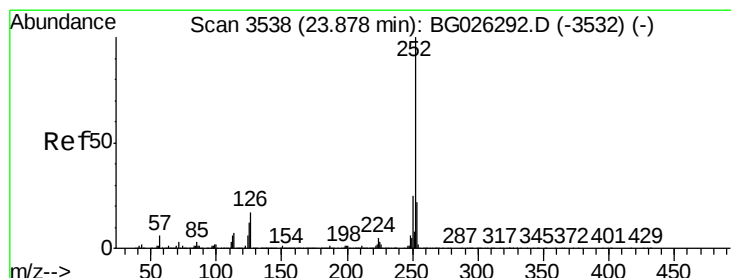
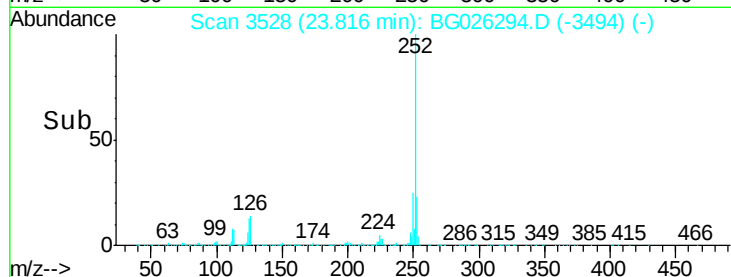
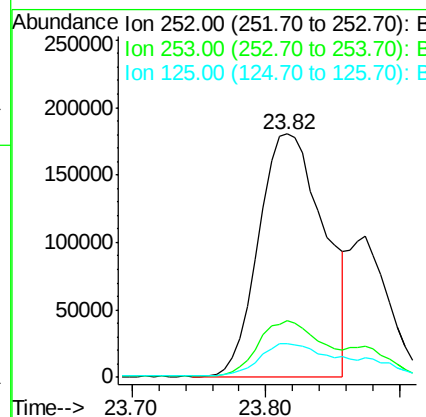
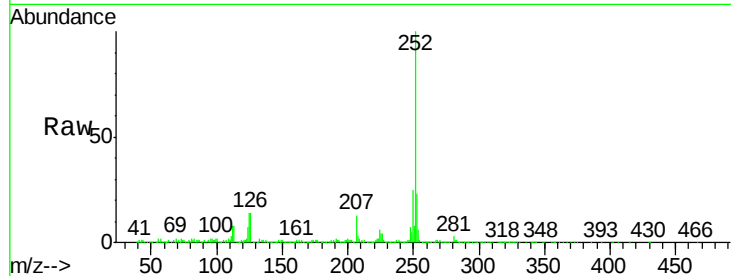
ClientSampled :

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Tgt Ion:	252	Resp:	610319
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	14.0	9.4	14.0

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#25

Benzo(k)fluoranthene

Concen: 6.18 ng/ul m

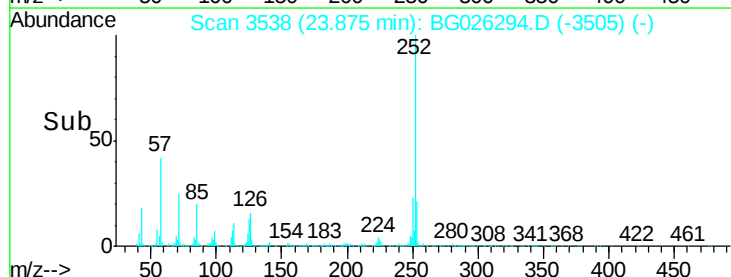
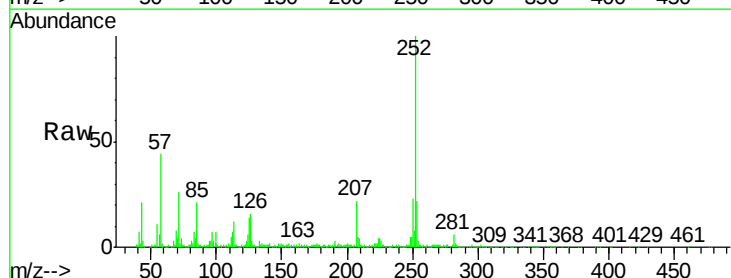
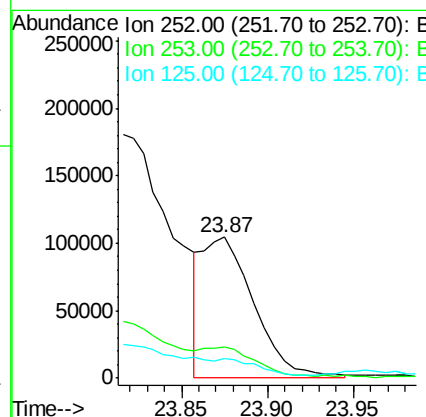
RT: 23.87 min Scan# 3538

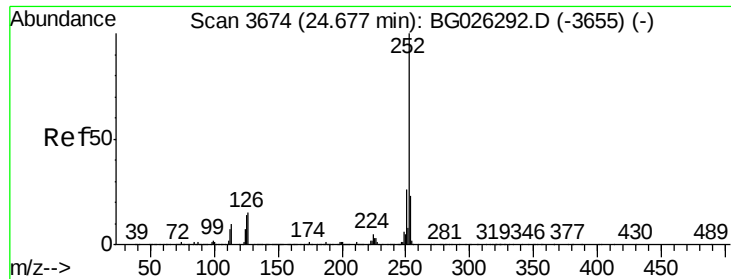
Delta R.T. -0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Tgt Ion:	252	Resp:	218798
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.4	26.2
125	14.1	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 11.09 ng/ul

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Instrument :

BNA_G

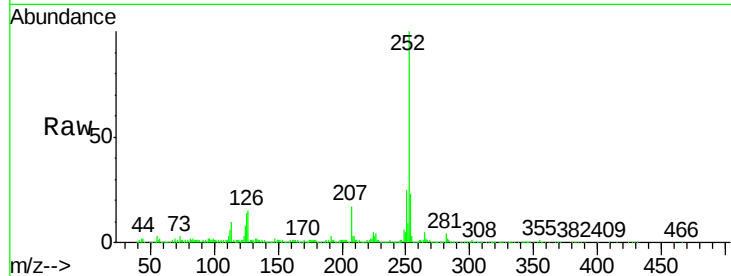
ClientSampleId :

CB2Z6

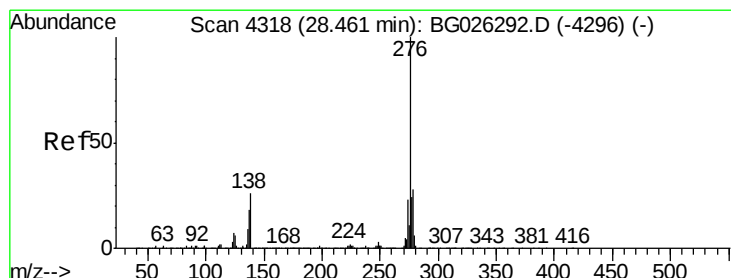
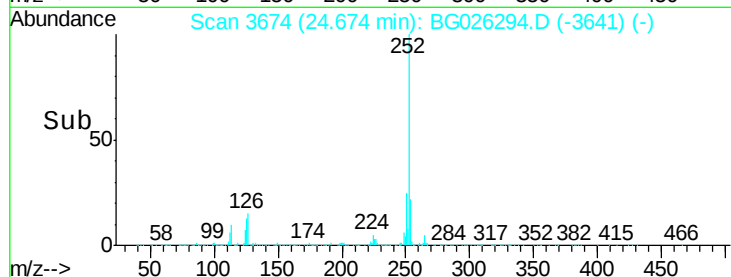
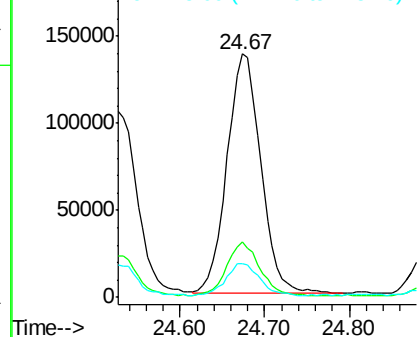
Tgt Ion:	252	Resp:	381742
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	13.8	9.4	14.2

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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



#28

Indeno(1,2,3-cd)pyrene

Concen: 5.64 ng/ul

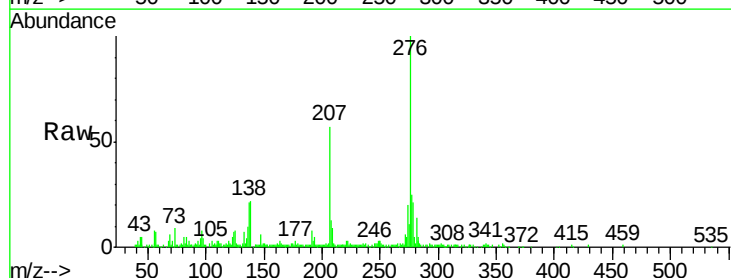
RT: 28.46 min Scan# 4319

Delta R.T. 0.00 min

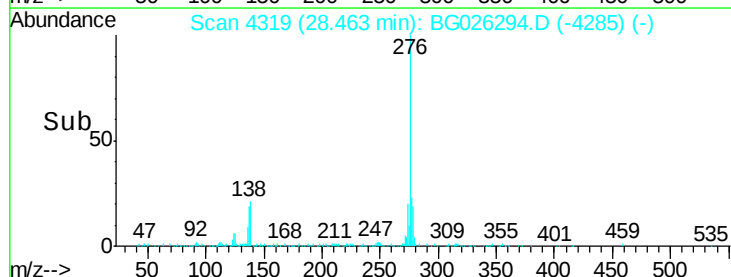
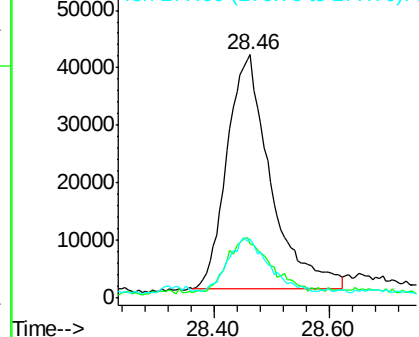
Lab File: BG026294.D

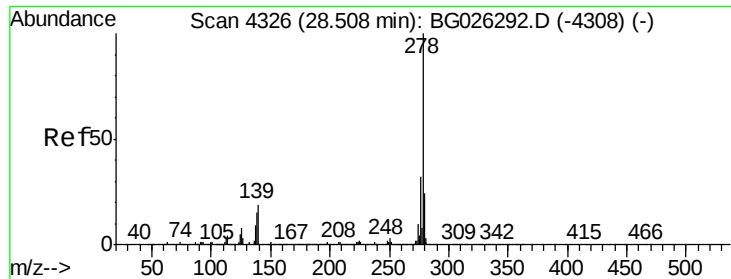
Acq: 17 Mar 2017 23:13

Tgt Ion:	276	Resp:	214572
Ion Ratio	Lower	Upper	
276	100		
138	22.2	17.8	26.6
277	24.6	19.4	29.0



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





#29

Dibenzo(a,h)anthracene

Concen: 1.98 ng/ul m

RT: 28.49 min Scan# 4324

Delta R.T. -0.02 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Instrument :

BNA_G

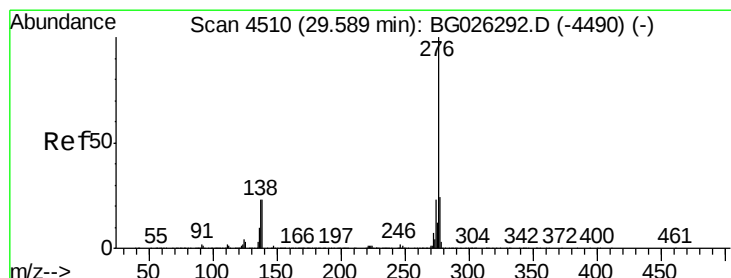
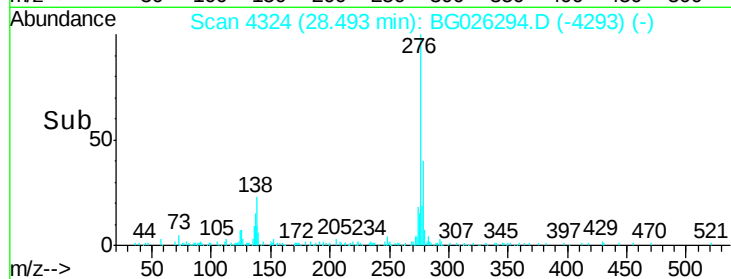
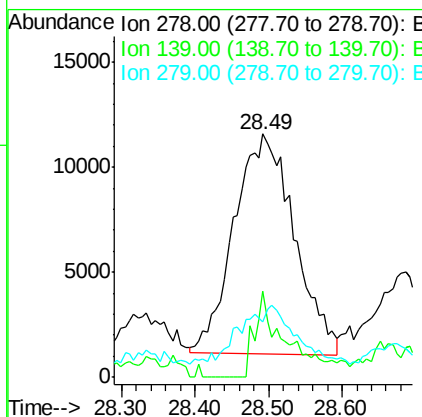
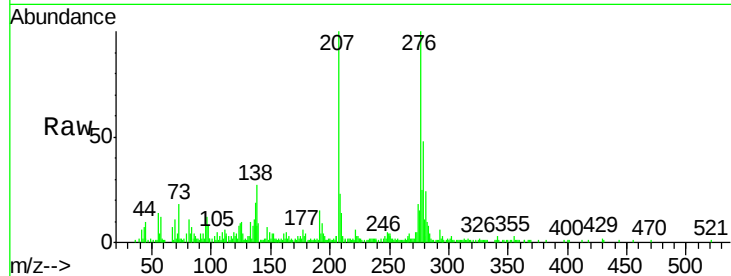
ClientSampleId :

CB2Z6

Tgt Ion:	278	Resp:	59741
Ion Ratio	Lower	Upper	
278	100		
139	18.2	14.0	21.0
279	23.0	20.6	31.0

Manual Integrations
APPROVED

mohammad
3/20/2017 12:55:01 PM



#30

Benzo(g,h,i)perylene

Concen: 4.87 ng/ul

RT: 29.59 min Scan# 4510

Delta R.T. -0.00 min

Lab File: BG026294.D

Acq: 17 Mar 2017 23:13

Tgt Ion:	276	Resp:	158551
Ion Ratio	Lower	Upper	
276	100		
138	23.6	19.0	28.4
277	24.0	19.7	29.5

