

(QT Reviewed)

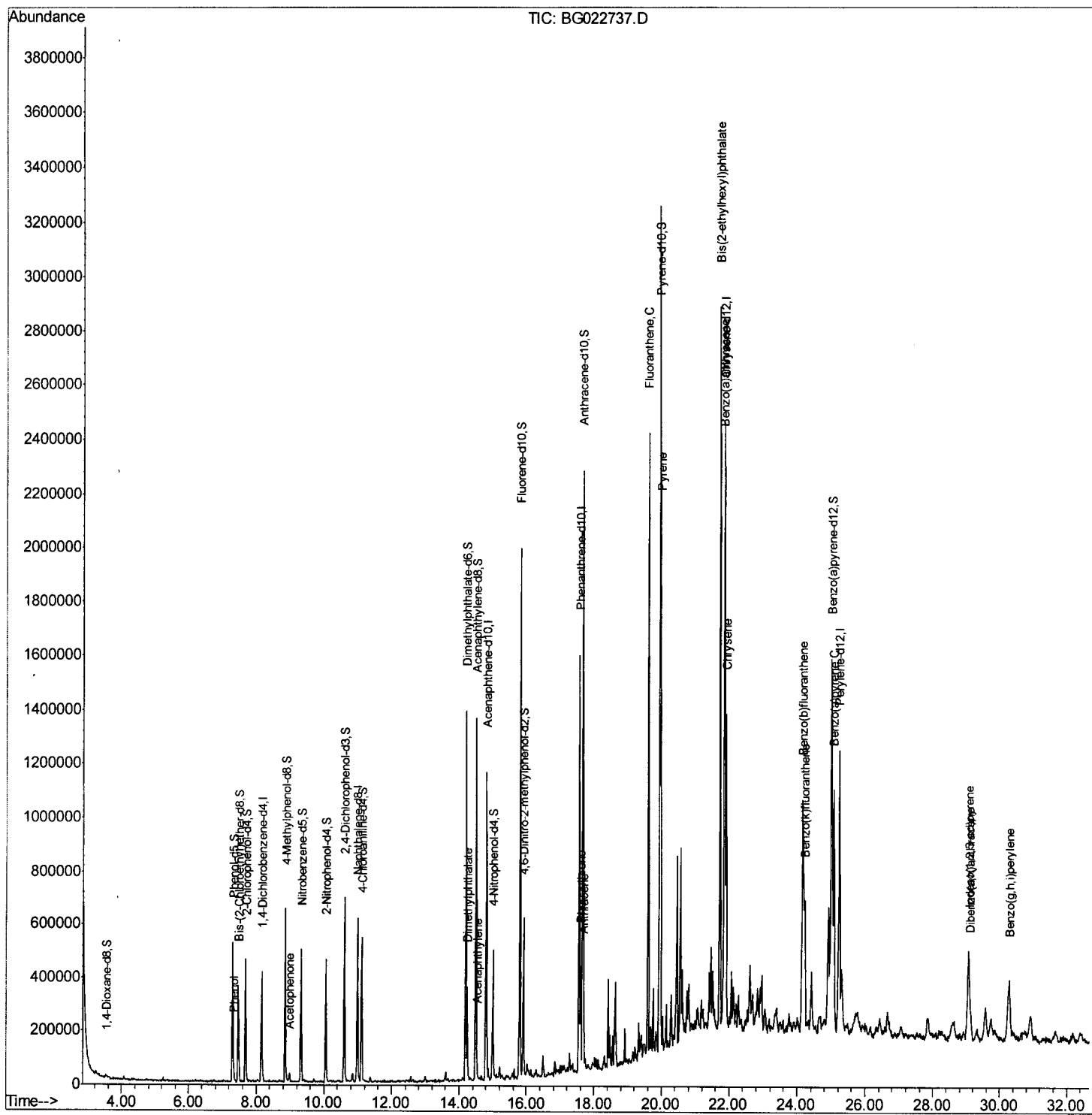
```
Data Path   : Z:\HPCHEM1\BNA_G\DATA\BG063016\  
Data File  : BG022737.D  
Acq On     : 30 Jun 2016   21:40  
Operator   : UM/SJ  
Sample     : H3759-09  
Misc       :  
ALS Vial   : 10      Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
BDHN9

Manual Integrations

sohil
7/1/2016 7:05:06 PM

Quant Time: Jul 01 04:35:37 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 01 03:35:17 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

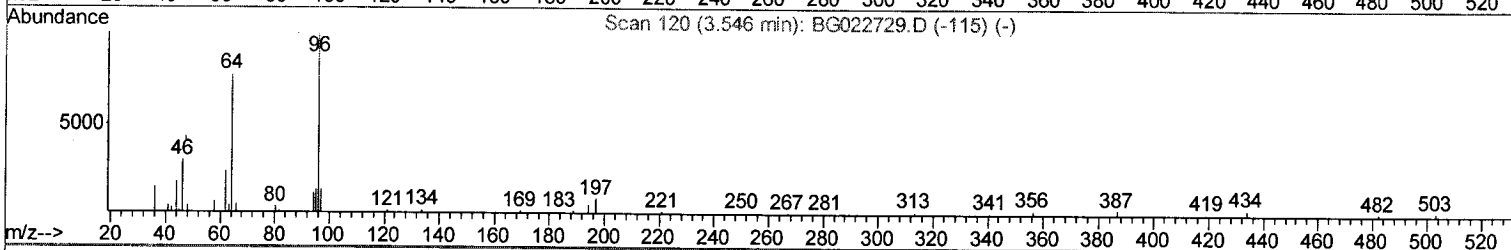
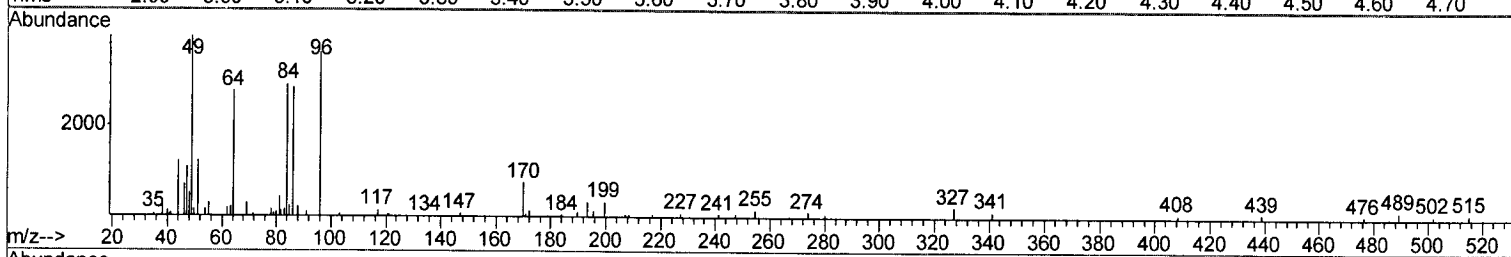
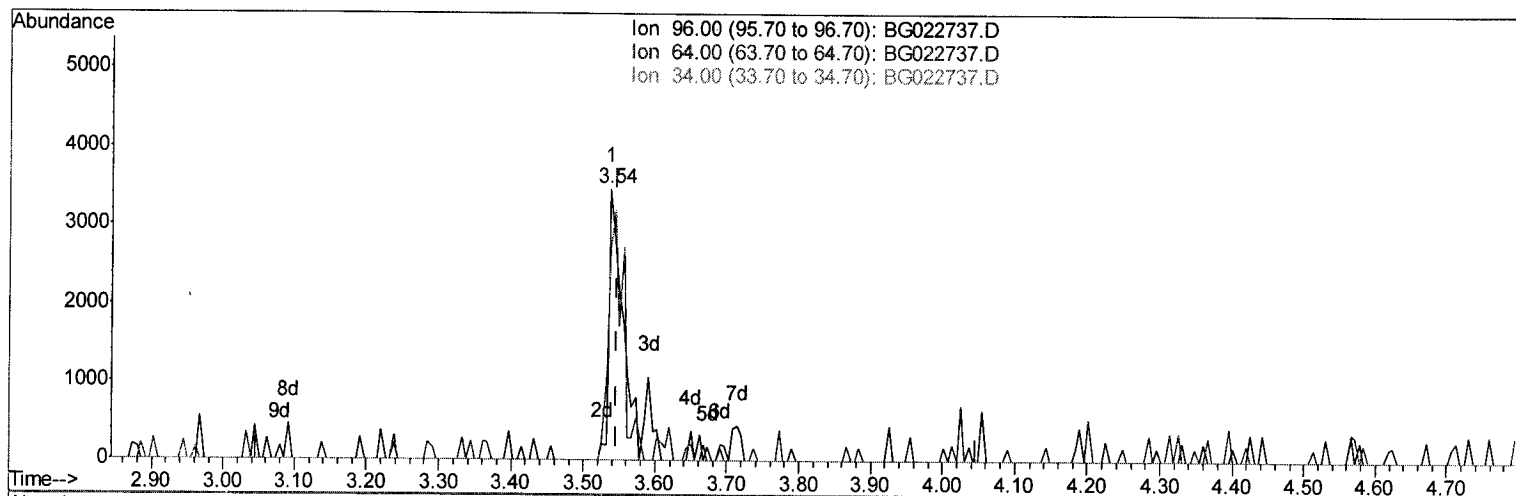
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
 Data File : BG022737.D
 Acq On : 30 Jun 2016 21:40
 Operator : UM/SJ
 Sample : H3759-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 BDHN9

Manual Integrations
 APPROVED

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Quant Time: Jul 01 04:32:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 03:35:17 2016
 Response via : Initial Calibration



TIC: BG022737.D

(3) 1,4-Dioxane-d8 (S)

3.538min (-0.009) 2.26ng/uL m *U.M.*

response 4617

07/02/16

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	77.35
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

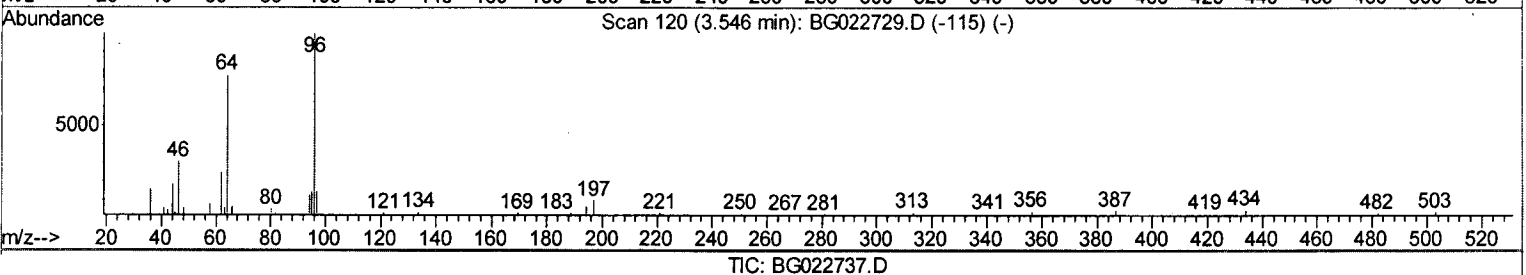
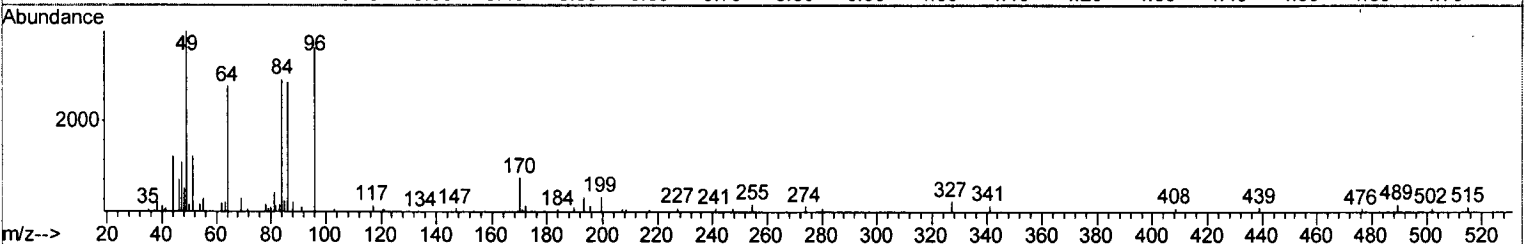
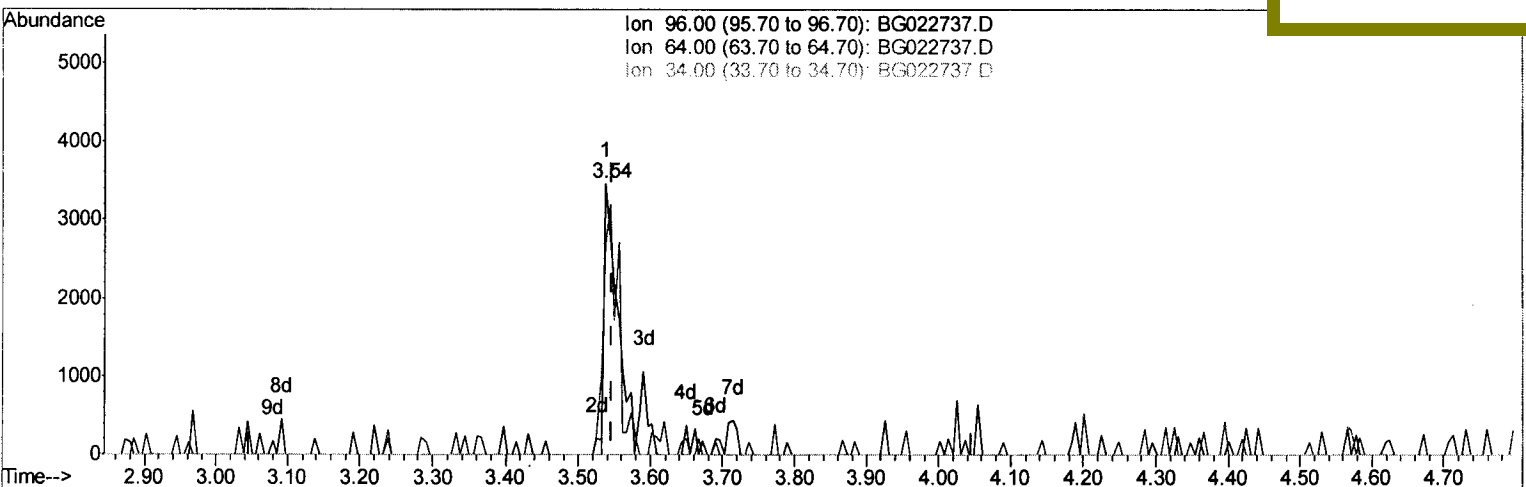
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
 Data File : BG022737.D
 Acq On : 30 Jun 2016 21:40
 Operator : UM/SJ
 Sample : H3759-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 BDHN9

Quant Time: Jul 01 04:32:43 2016
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Manual Integrations
APPROVED

sohil
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(3) 1,4-Dioxane-d8 (S)

3.538min (-0.009) 2.20ng/uL

response 4479

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	77.35
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

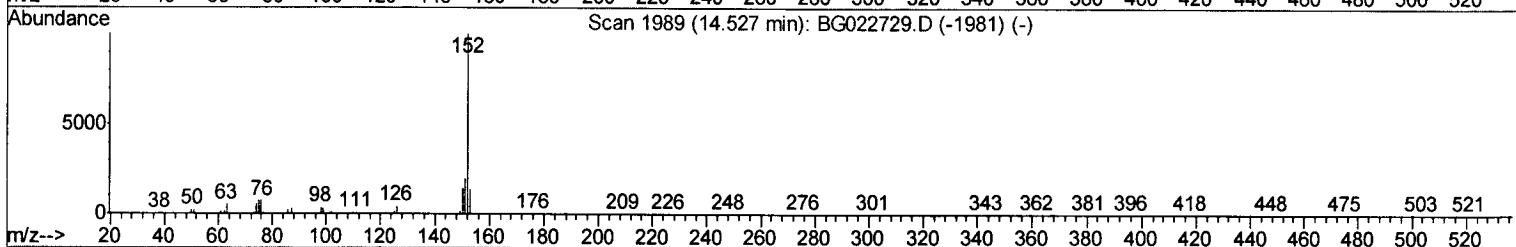
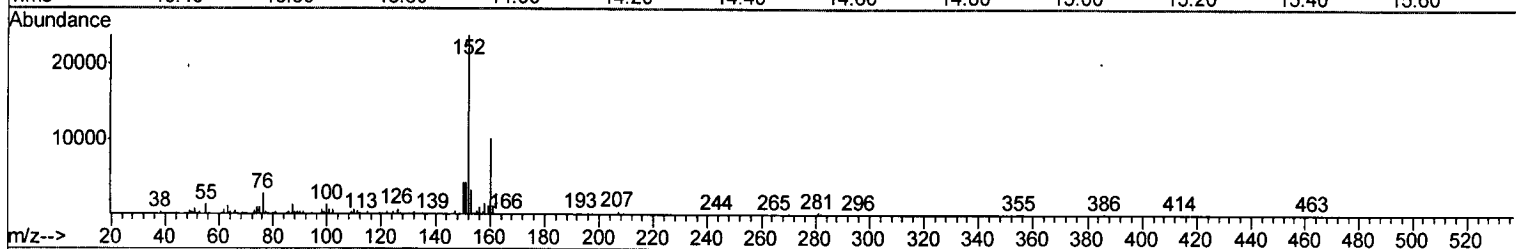
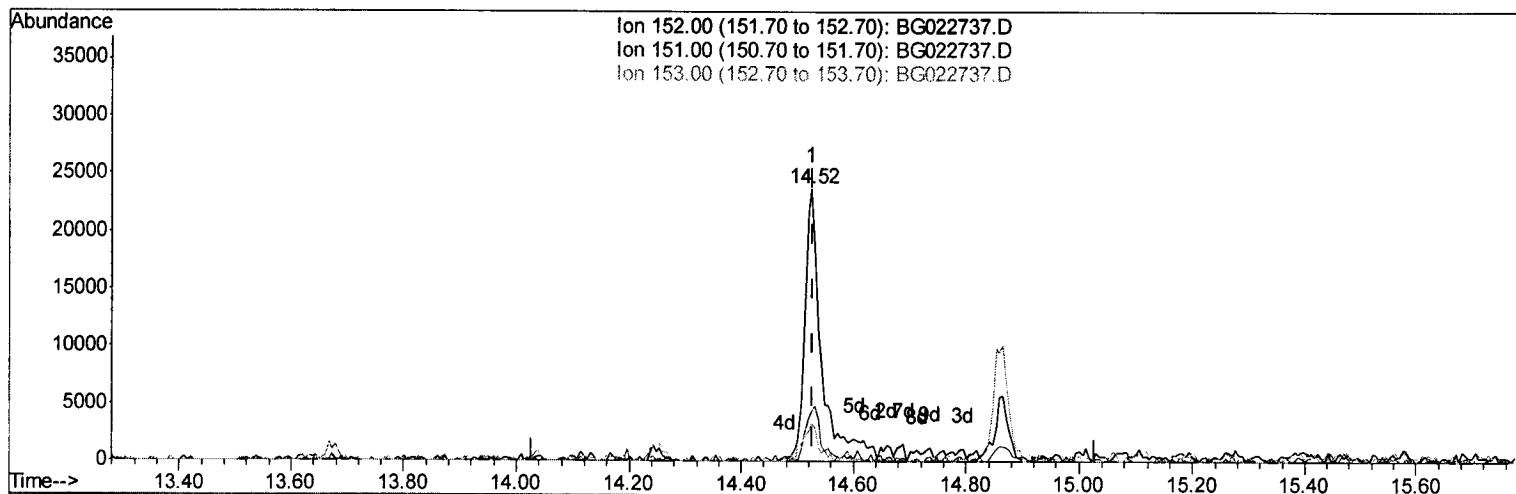
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
 Data File : BG022737.D
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 Operator : UM/SJ
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Instrument :
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Manual Integrations
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TIC: BG022737.D

(47) Acenaphthylene

14.525min (-0.003) 1.35ng/ul m *U.M.*
07/02/16
 response 50722

Ion	Exp%	Act%
152.00	100	100
151.00	21.90	18.23
153.00	13.90	14.12
0.00	0.00	0.00

Quantitation Report (Qedit)

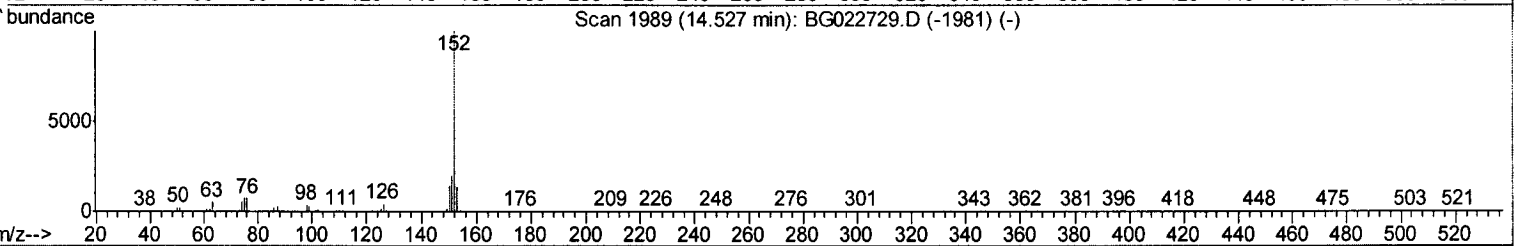
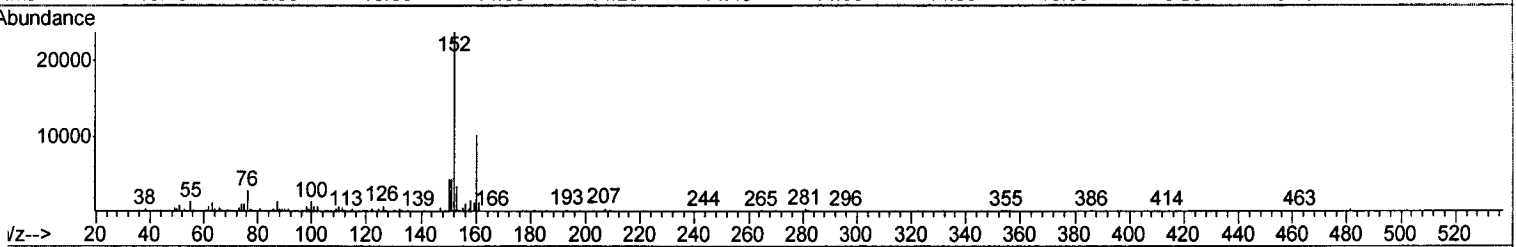
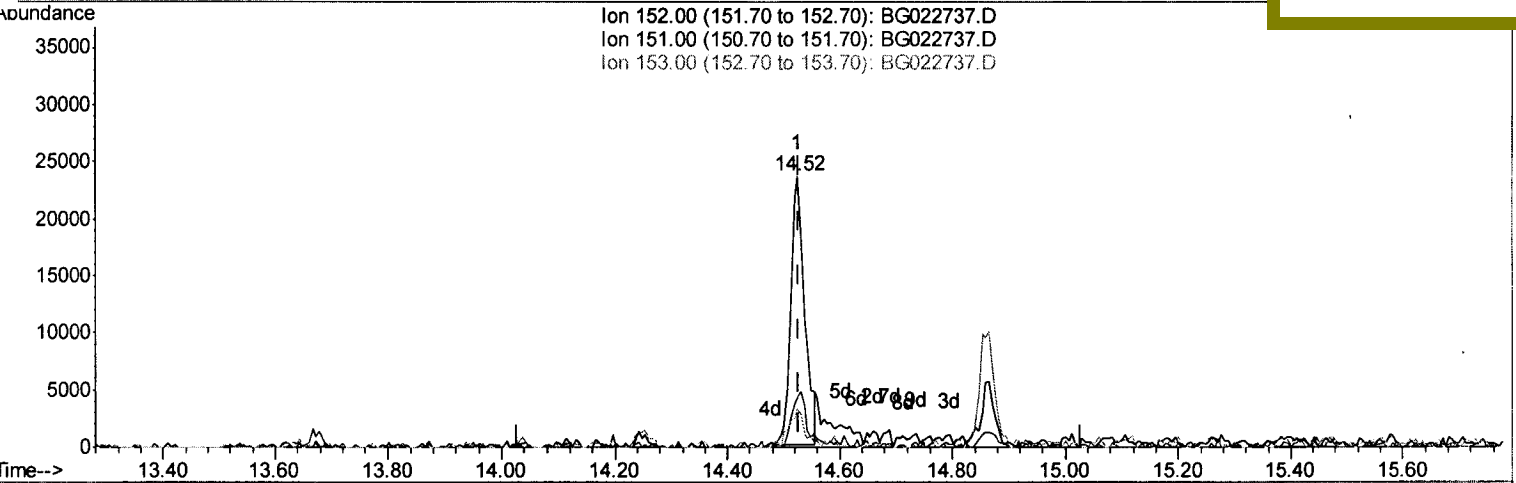
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
 Data File : BG022737.D
 Acq On : 30 Jun 2016 21:40
 Operator : UM/SJ
 Sample : H3759-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDHN9

Manual Integrations
 APPROVED

sohil
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TIC: BG022737.D

(47) Acenaphthylene

14.525min (-0.003) 1.06ng/ul

response 39610

Ion	Exp%	Act%
152.00	100	100
151.00	21.90	18.23
153.00	13.90	14.12
0.00	0.00	0.00

Quantitation Report (Qedit)

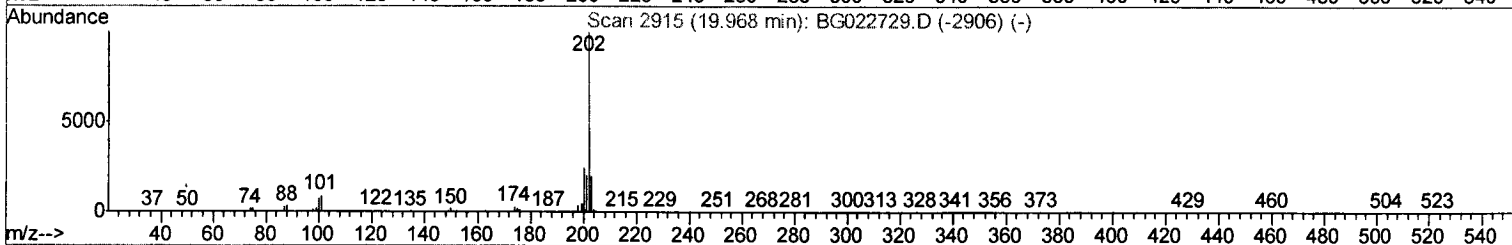
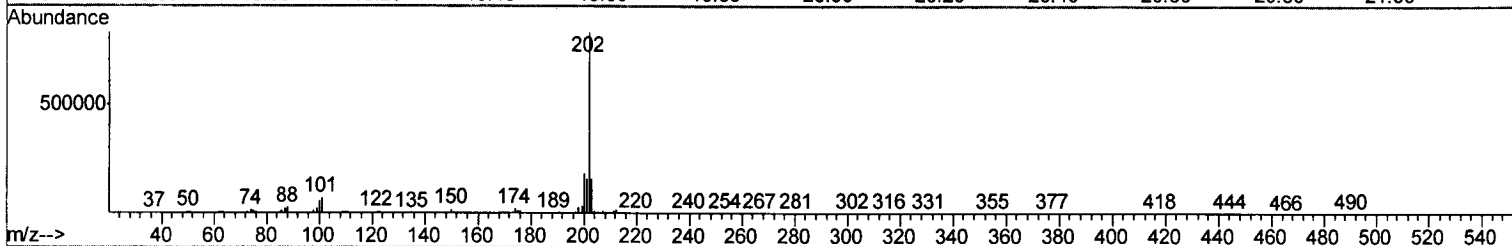
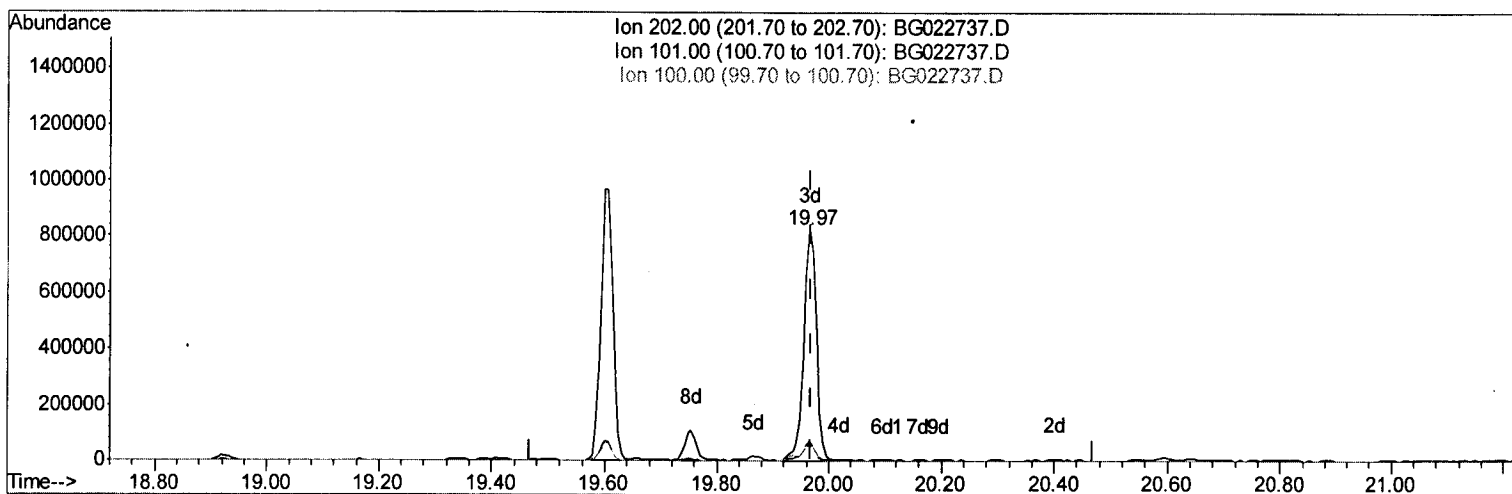
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Manual Integrations
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TIC: BG022737.D

(77) Pyrene

19.965min (-0.003) 20.40ng/ul m *U.M.*
07/02/16

response 1275369

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	8.50#
100.00	12.80	7.04#
0.00	0.00	0.00

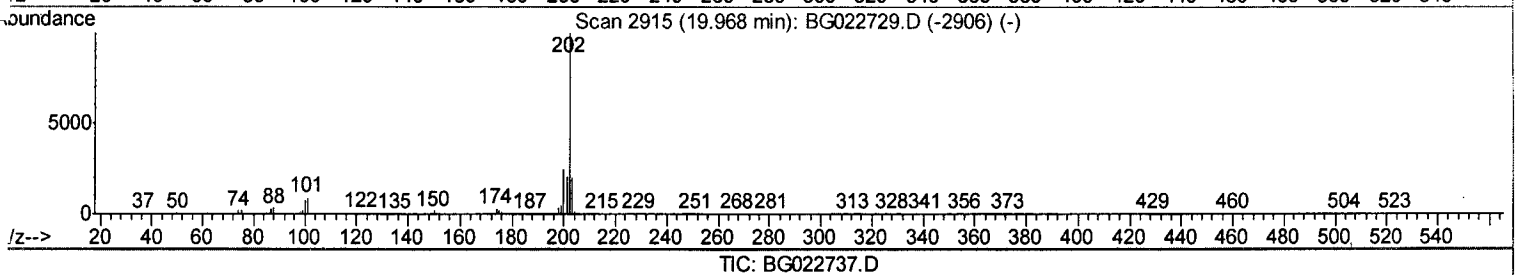
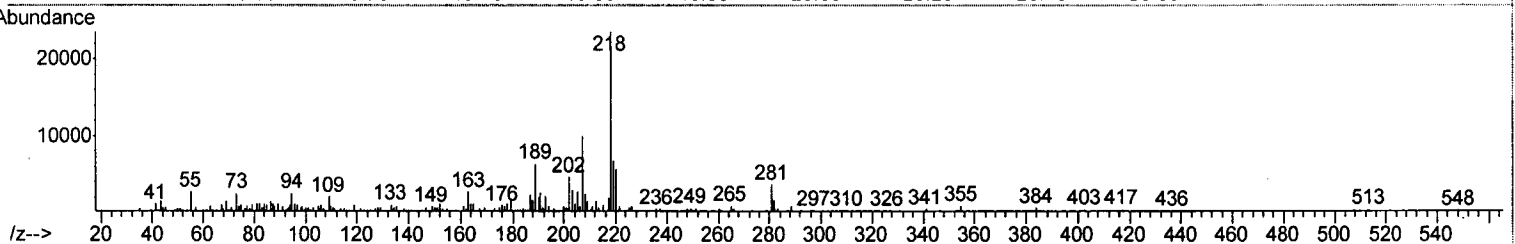
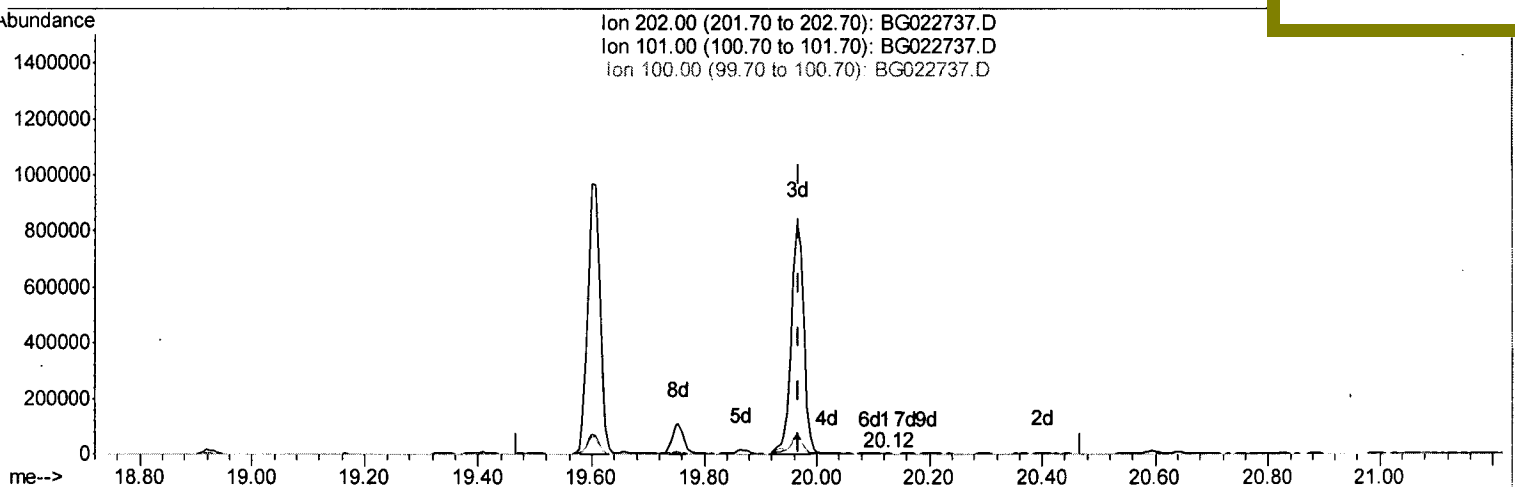
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Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDHN9

Manual Integrations
APPROVED

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(77) Pyrene

20.124min (+0.156) 0.03ng/ul

response 1679

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	13.01
100.00	12.80	13.91
0.00	0.00	0.00

Quantitation Report (Qedit)

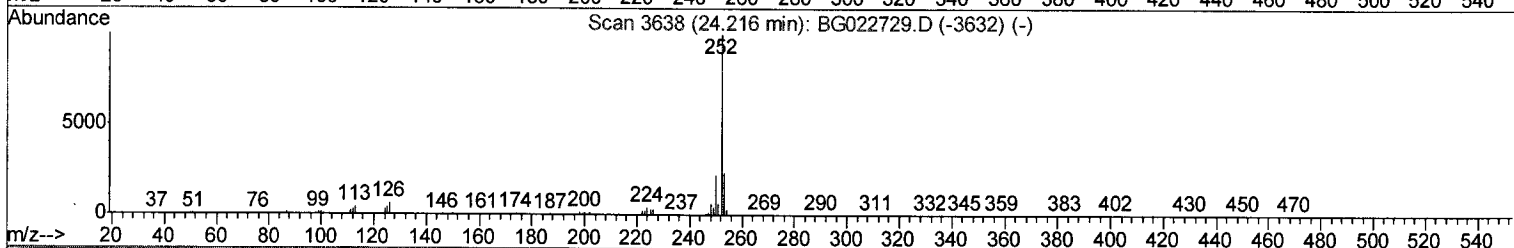
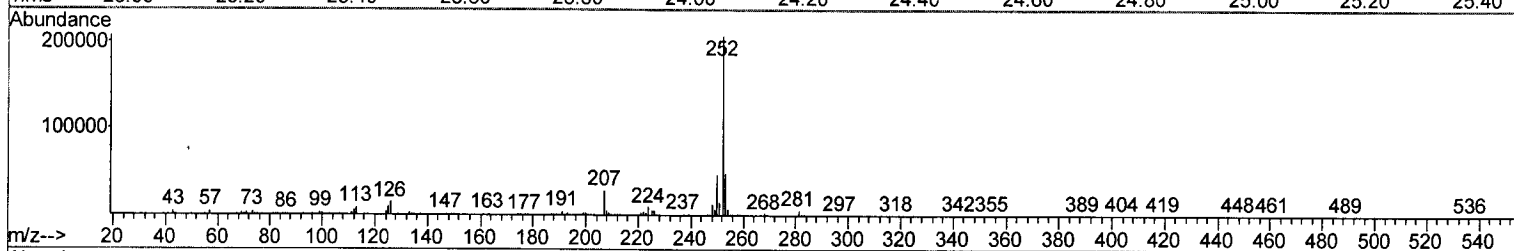
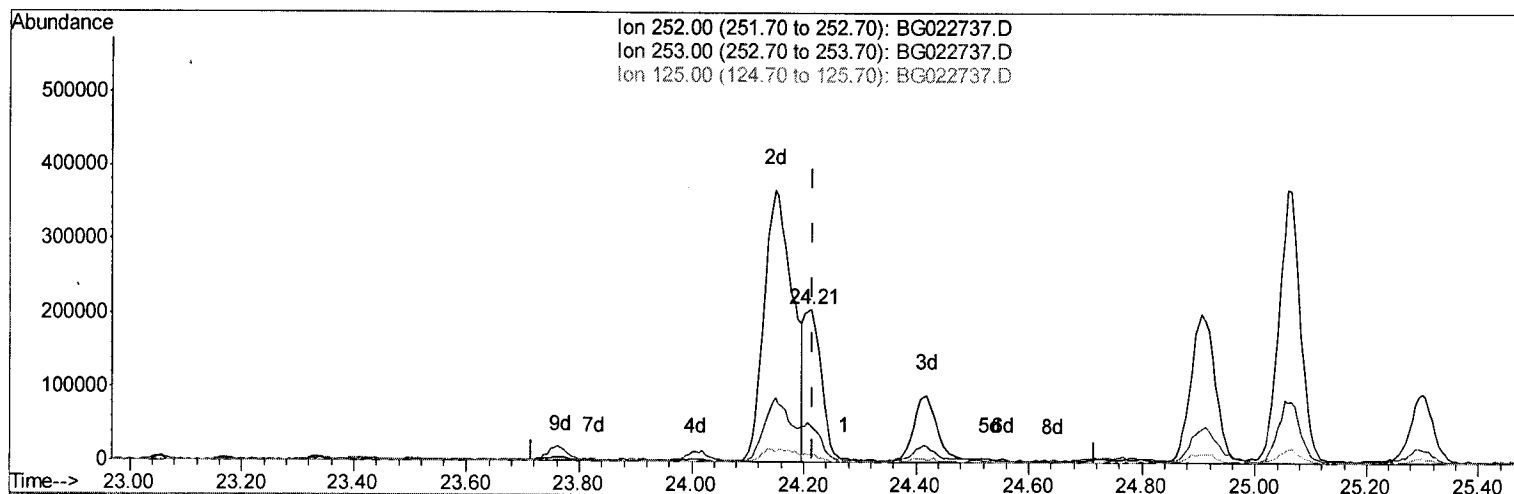
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 Data File : BG022737.D
 Acq On : 30 Jun 2016 21:40
 Operator : UM/SJ
 Sample : H3759-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDHN9

Manual Integrations
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TIC: BG022737.D

(86) Benzo(k)fluoranthene

24.213min (-0.003) 6.64ng/ul m

response 444921

U.M.
 07/02/16

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	23.59
125.00	13.30	5.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

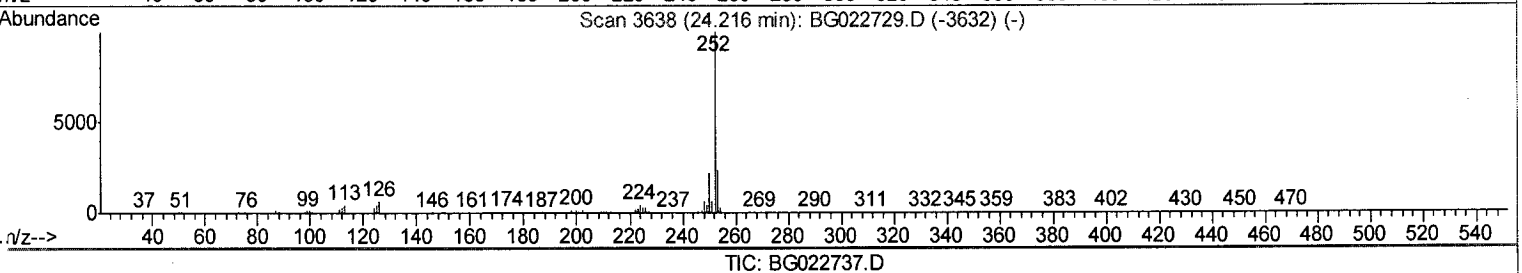
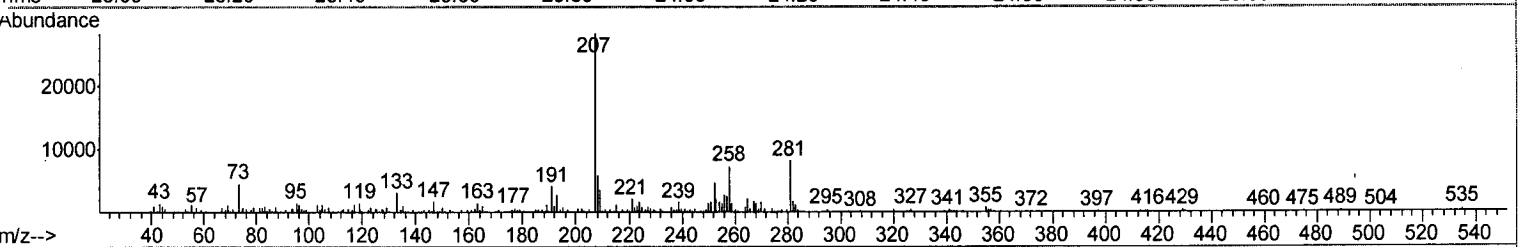
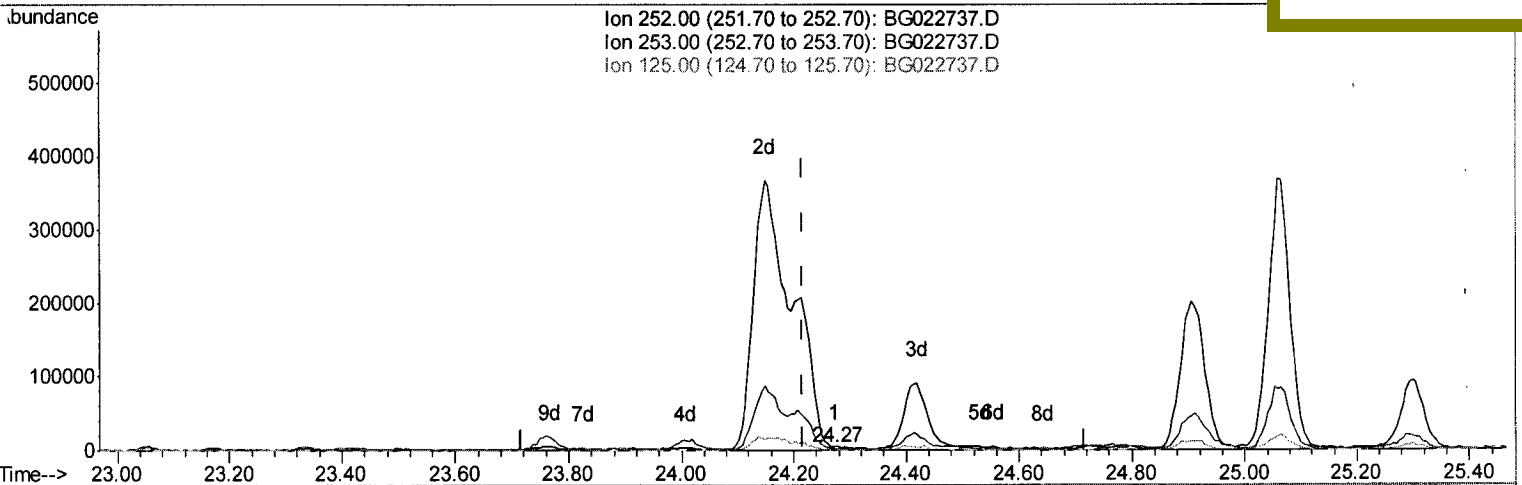
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDHN9

Manual Integrations
APPROVED

sohil
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
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Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.272min (+0.056) 0.04ng/ul

response 2444

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	48.76#
125.00	13.30	29.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

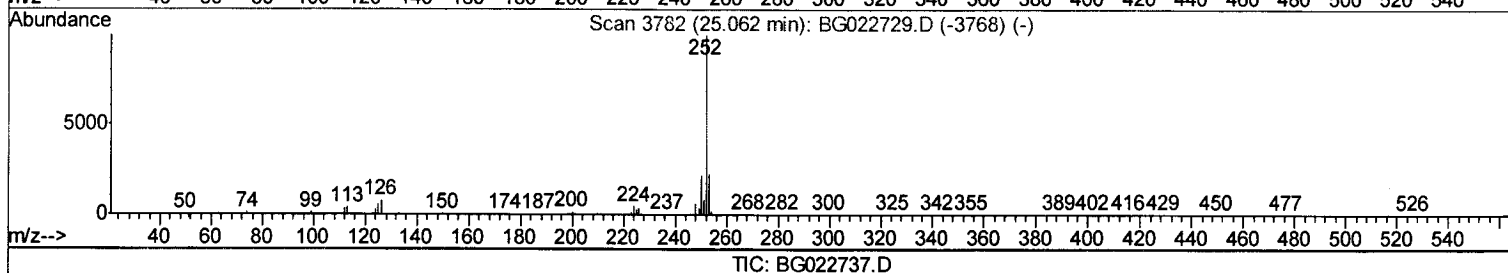
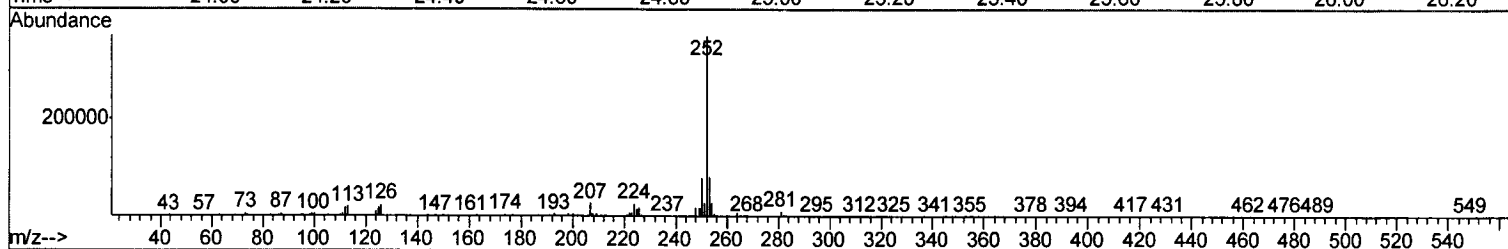
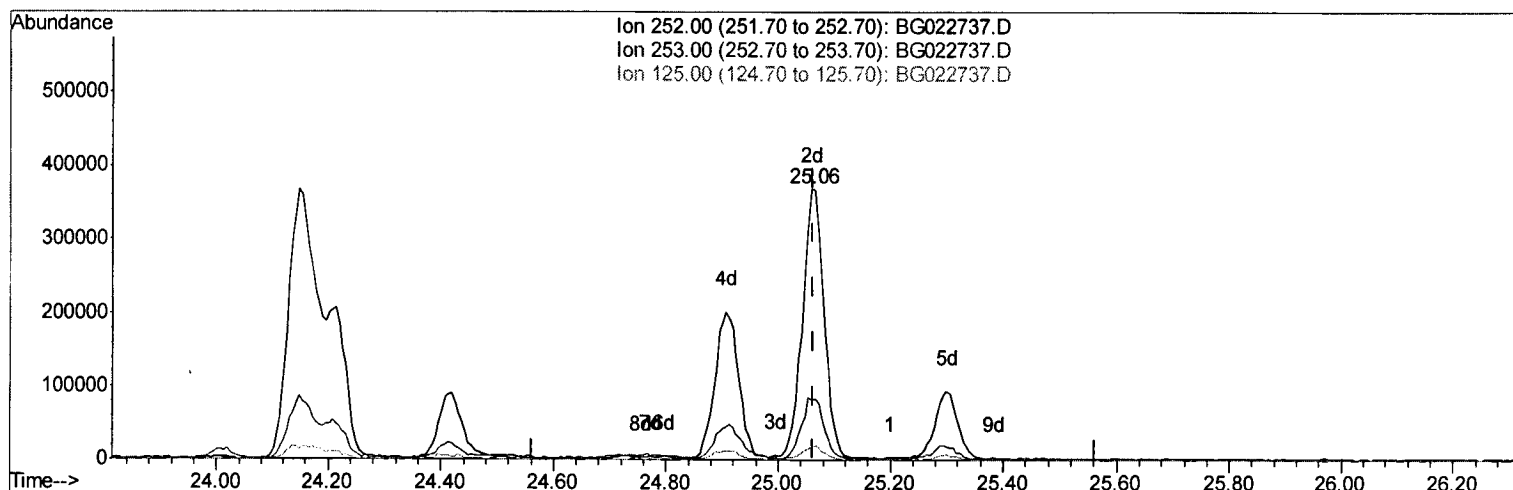
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 Sample : H3759-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDHN9

Manual Integrations
 APPROVED

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TIC: BG022737.D

(88) Benzo(a)pyrene (C)

25.059min (-0.003) 14.69ng/ul m

response 995955

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.08
125.00	15.00	5.01#
0.00	0.00	0.00

U.M.
 07/02/16

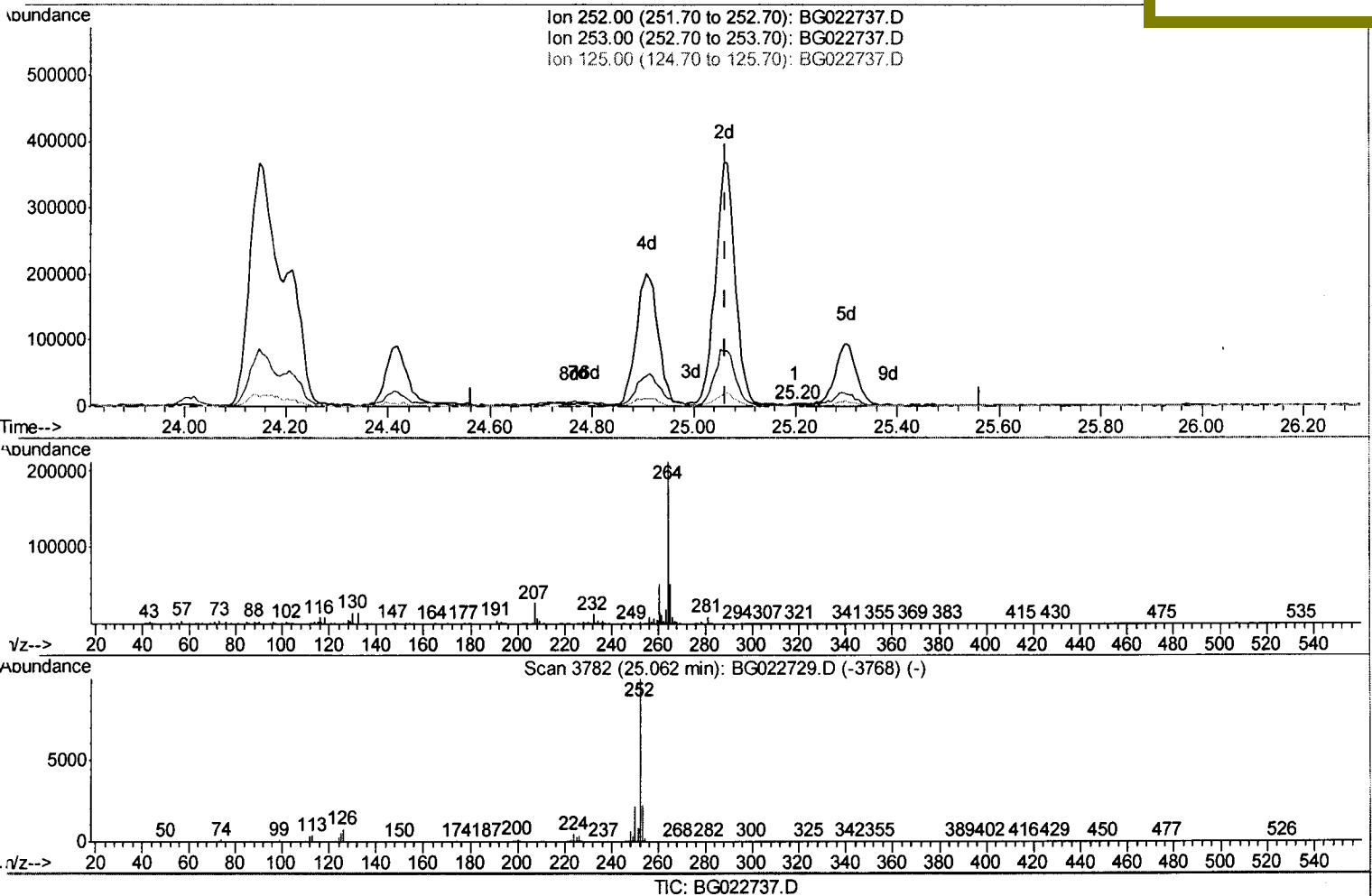
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleID :
BDHN9

Manual Integrations
APPROVED

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Quant Time: Jul 01 04:32:43 2016
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Response via : Initial Calibration



(88) Benzo(a)pyrene (C)

25.200min (+0.138) 0.02ng/ul

response 1194

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	25.14
125.00	15.00	15.53
0.00	0.00	0.00

Quantitation Report (Qedit)

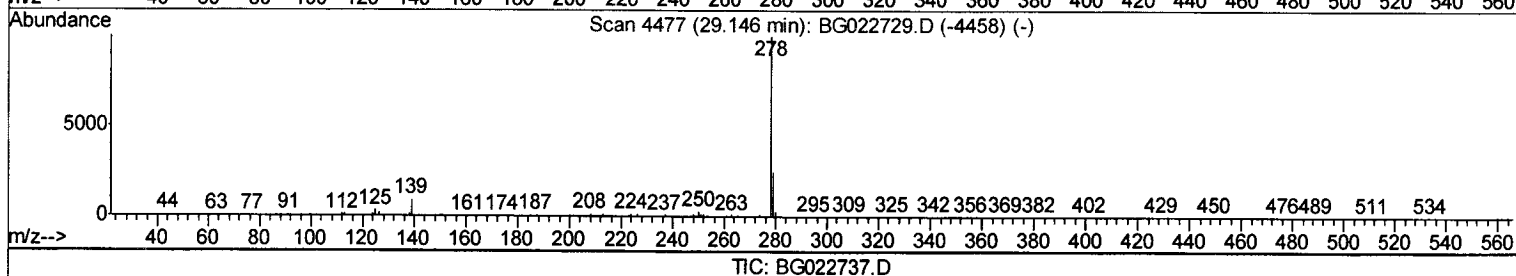
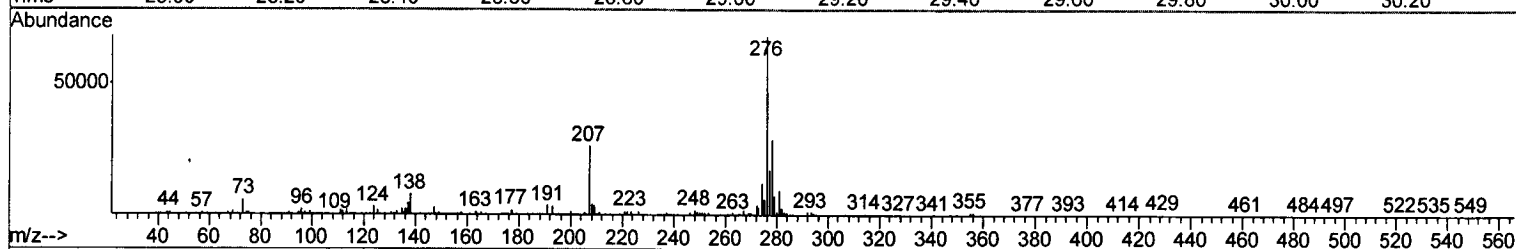
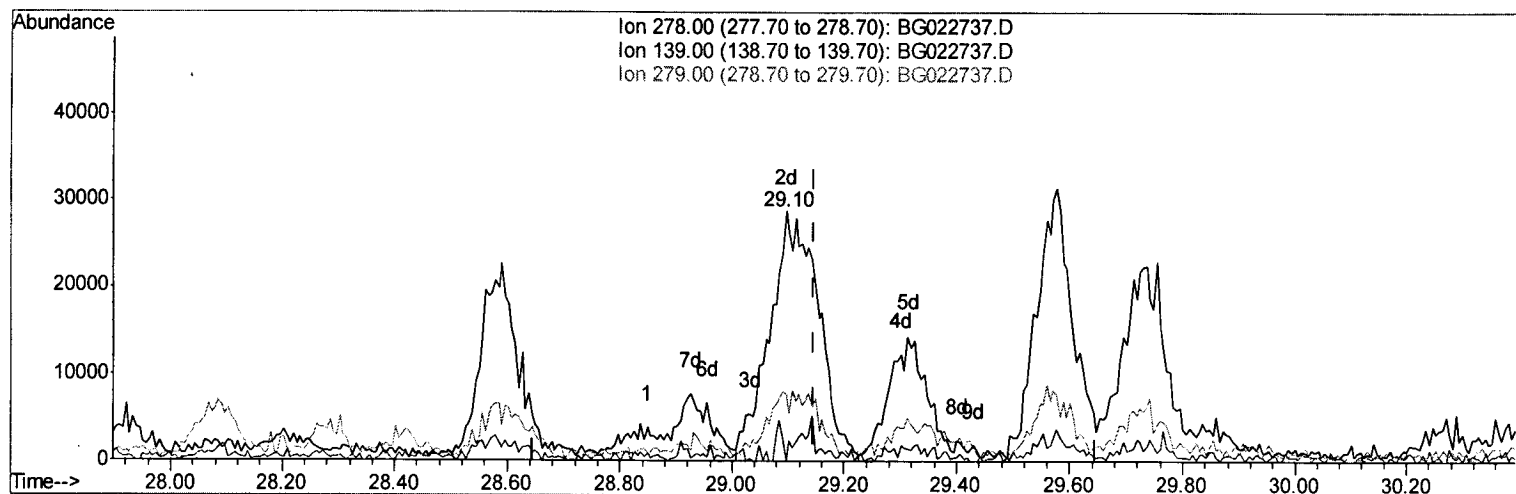
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 Sample : H3759-09
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 ALS Vial : 10 Sample Multiplier: 1

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 BDHN9

Manual Integrations
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TIC: BG022737.D

(90) Dibenzo(a,h)anthracene

29.096min (-0.050) 2.92ng/ul m

response 172825

Ion Exp% Act%

278.00 100 100

139.00 20.40 0.00#

279.00 23.90 26.67

0.00 0.00 0.00

U.M.
 07/02/16

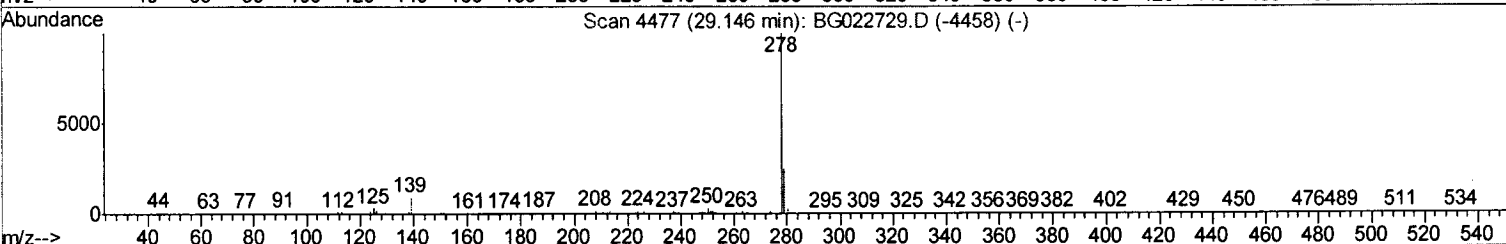
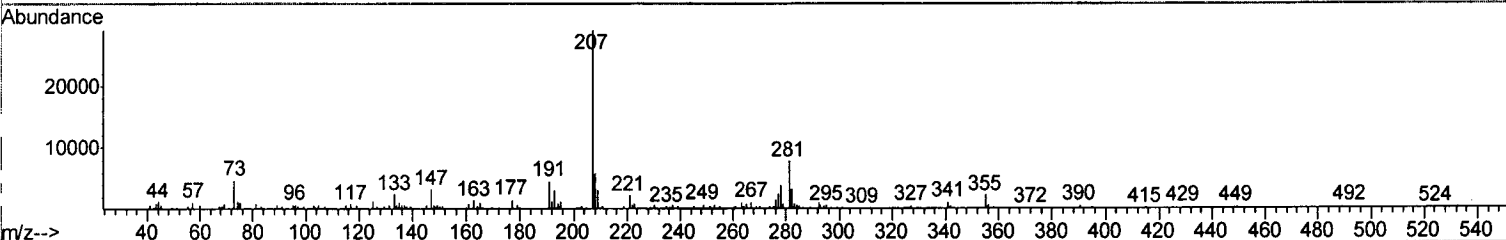
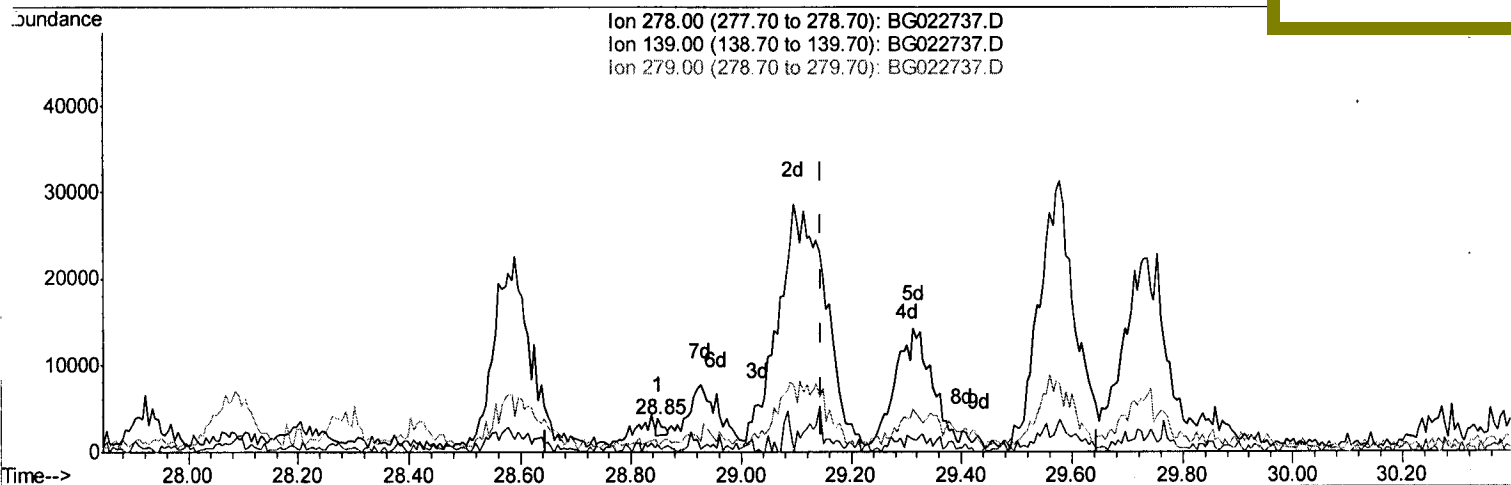
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TIC: BG022737.D

(90) Dibenzo(a,h)anthracene

28.849min (-0.297) 0.03ng/ul

response 1512

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	21.39
279.00	23.90	23.11
0.00	0.00	0.00

Quantitation Report (Qedit)

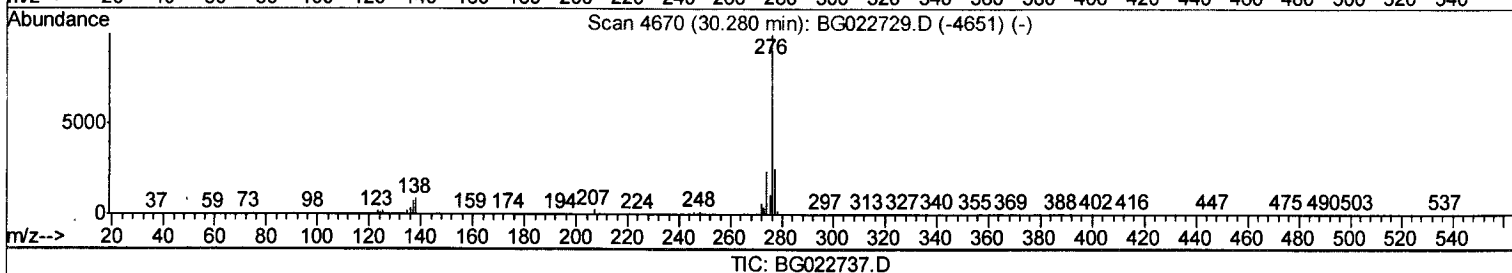
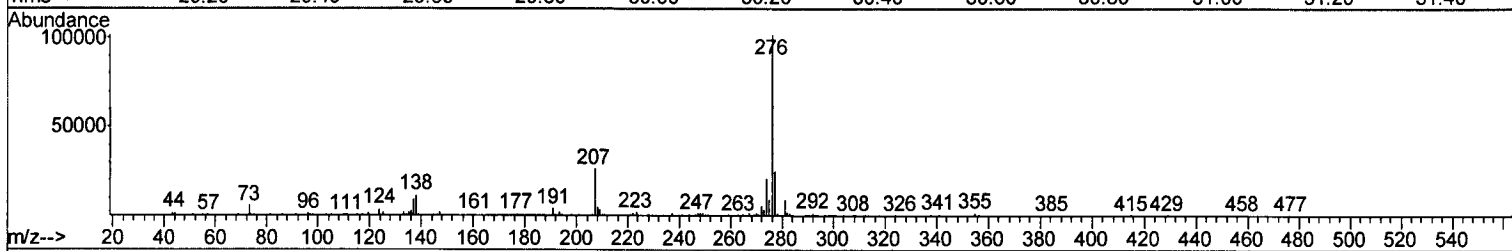
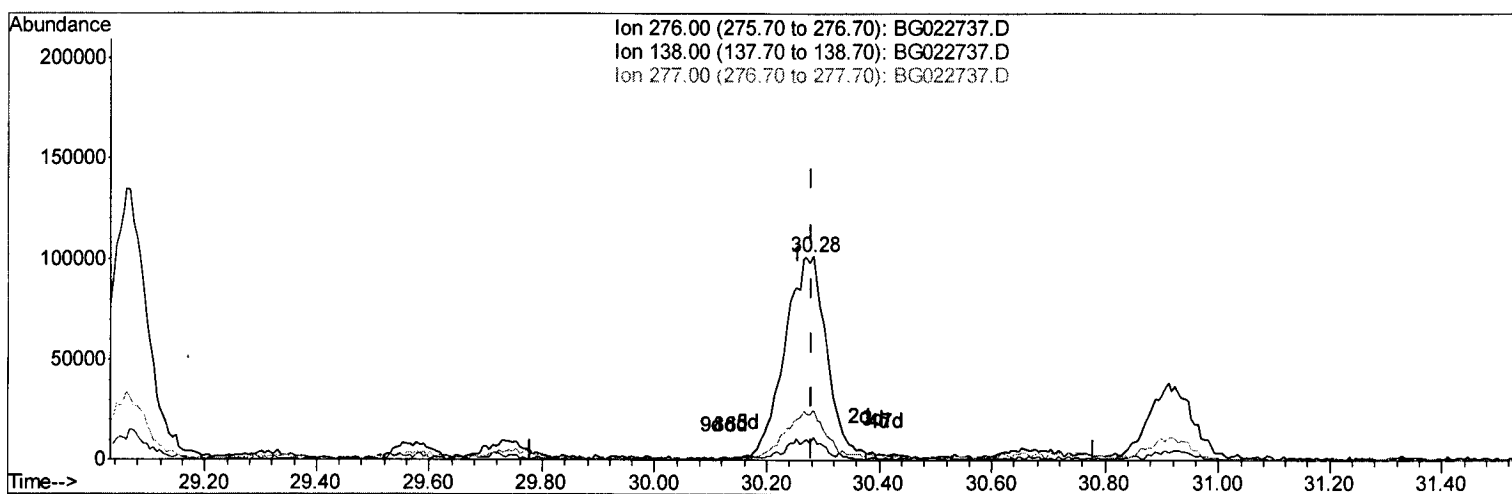
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Instrument :
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 Client Sampled :
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TIC: BG022737.D

(91) Benzo(g,h,i)perylene

30.283min (+0.003) 9.46ng/ul m

response 531569

U.M.
 07/02/16

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	11.33#
277.00	21.20	24.90
0.00	0.00	0.00

Quantitation Report (Qedit)

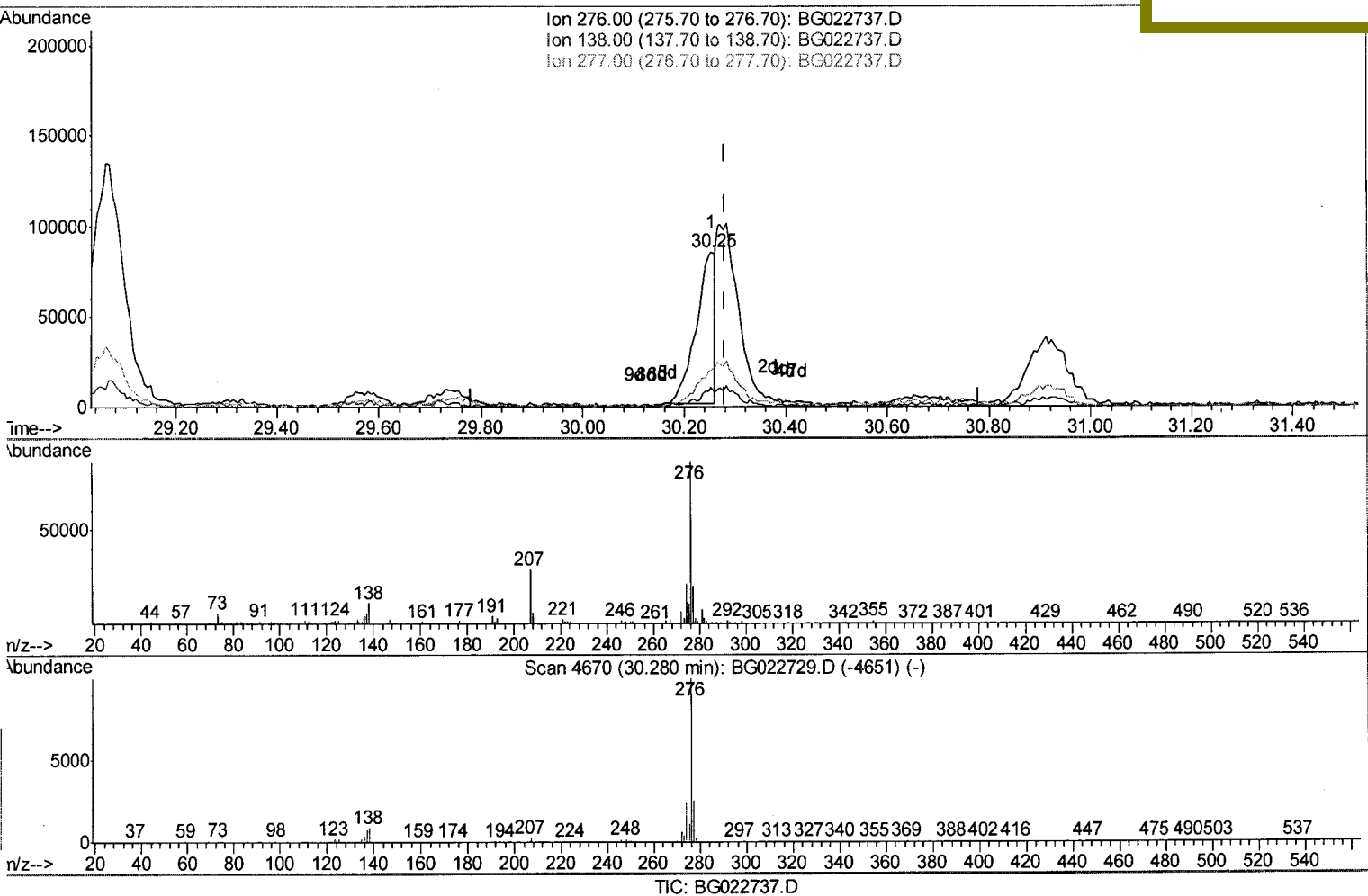
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(91) Benzo(g,h,i)perylene

30.253min (-0.026) 3.84ng/ul

response 215556

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	13.07#
277.00	21.20	23.38
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
 Data File : BG022737.D
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 Operator : UM/SJ
 Sample : H3759-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 BDHN9

Quant Time: Jul 01 04:35:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 03:35:17 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sohil
 7/1/2016 7:05:06 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	113990	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	513029	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	400322	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	968235	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	1117081	20.00	ng/ul	0.00
83) Perylene-d12	25.22	264	1141993	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	4617m	2.26	ng/uL	0.00
5) Phenol-d5	7.31	99	301852	25.17	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.47	67	182807	27.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	202520	25.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	230037	24.70	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	104154	25.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	130689	26.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	249398	24.17	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	259567	29.71	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	903350	27.78	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	994035	26.67	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	111513	21.84	ng/ul	0.00
57) Fluorene-d10	15.79	176	840962	27.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	133140	21.38	ng/ul	0.00
70) Anthracene-d10	17.66	188	1290648	28.68	ng/ul	0.00
76) Pyrene-d10	19.94	212	1570967	29.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.99	264	1614805	29.76	ng/ul	0.00

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Target Compounds

					Qvalue	
6) Phenol	7.34	94	15363	1.25	ng/ul#	55
14) Acetophenone	8.99	105	19282	1.28	ng/ul	98
44) Dimethylphthalate	14.24	163	205941	6.20	ng/ul	98
47) Acenaphthylene	14.52	152	50722m	1.35	ng/ul	
69) Phenanthrene	17.60	178	232483	4.69	ng/ul	100
71) Anthracene	17.69	178	209811	4.12	ng/ul	98
74) Fluoranthene	19.60	202	1456456	28.23	ng/ul#	86
77) Pyrene	19.97	202	1275369m	20.40	ng/ul	
80) Benzo(a)anthracene	21.83	228	1021317	15.59	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.72	149	1078620	34.47	ng/ul#	94
82) Chrysene	21.90	228	889579	14.91	ng/ul	96
85) Benzo(b)fluoranthene	24.15	252	1303520	18.27	ng/ul#	89
86) Benzo(k)fluoranthene	24.21	252	444921m	6.64	ng/ul	
88) Benzo(a)pyrene	25.06	252	995955m	14.69	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.06	276	592365	8.26	ng/ul#	77
90) Dibenzo(a,h)anthracene	29.10	278	172825m	2.92	ng/ul	
91) Benzo(g,h,i)perylene	30.28	276	531569m	9.46	ng/ul	

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