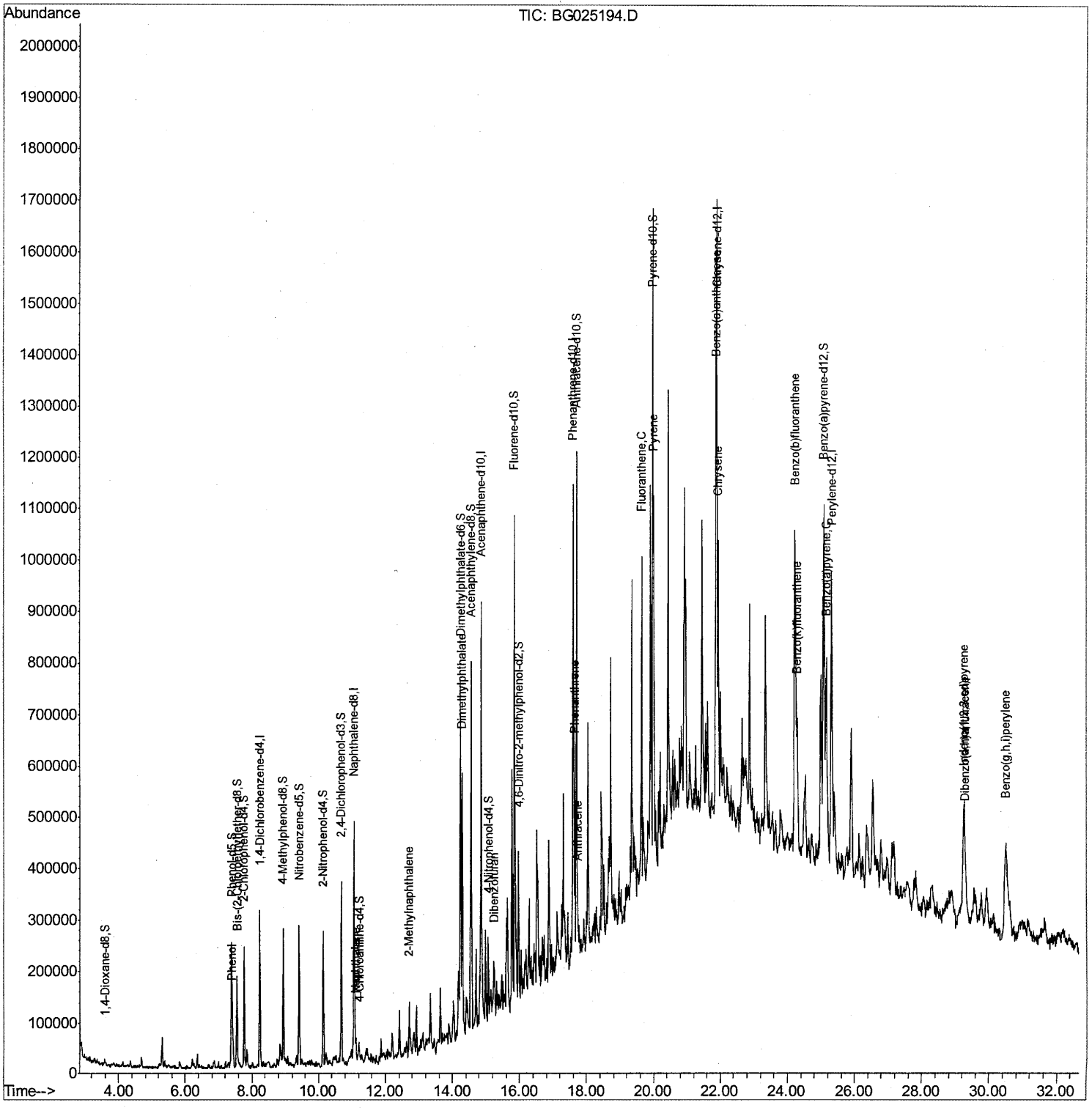
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 15 12:26:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
sohil
12/15/2016 5:44:34 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
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Quant Time: Dec 15 05:34:39 2016
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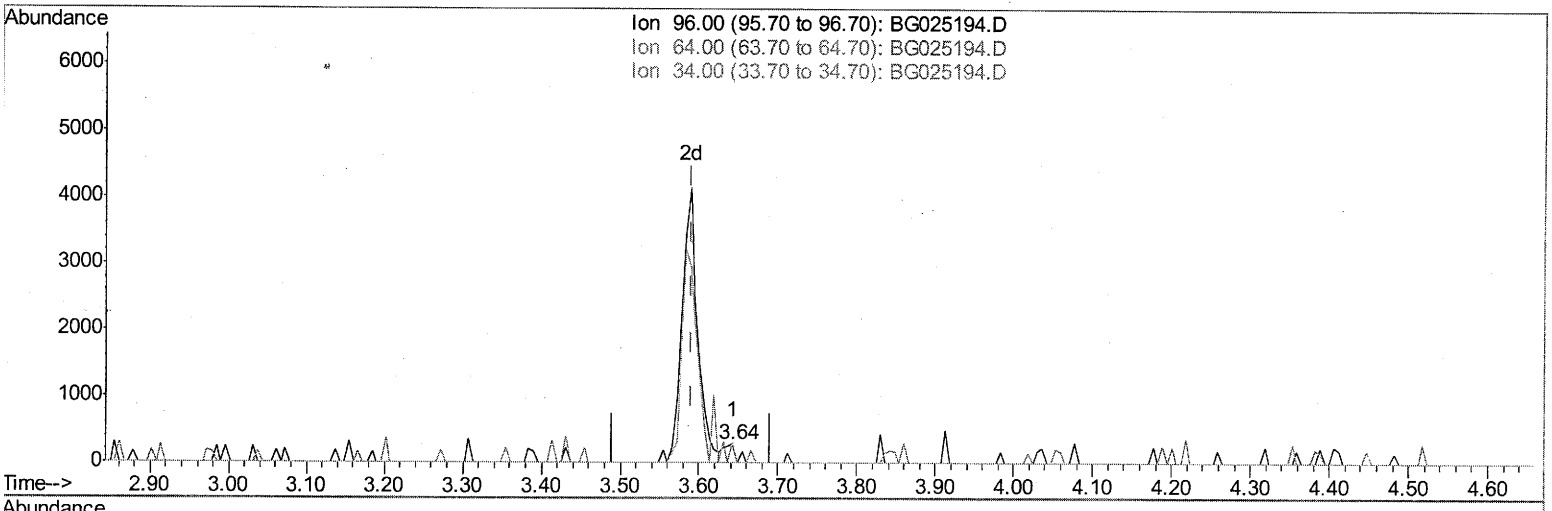
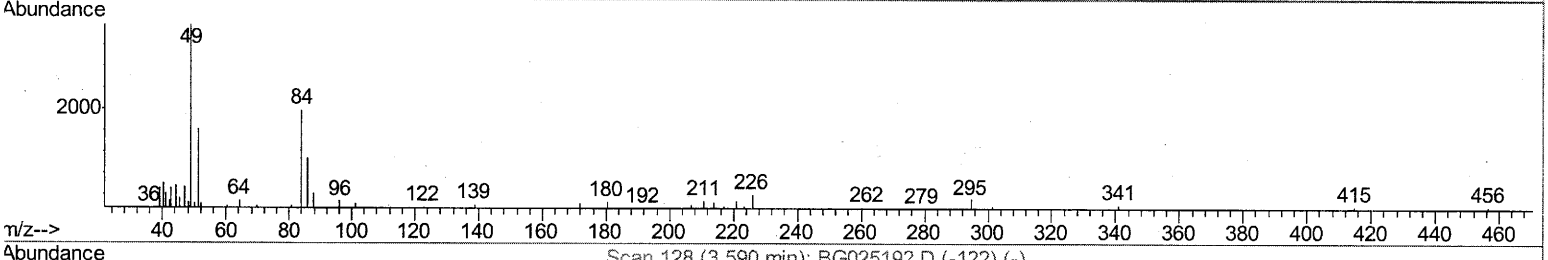
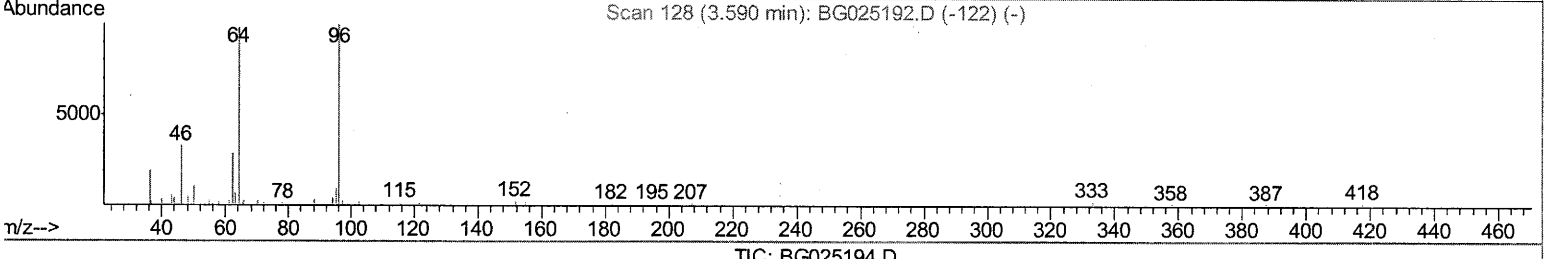
Manual Integrations APPROVED
sohil
12/15/2016 5:44:34 PM







TIC: BG025194.D

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

3.642min (+0.052) 0.21ng/uL

response 326

Ion	Exp%	Act%
96.00	100	100
64.00	88.90	104.98
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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Manual Integrations APPROVED
sohil
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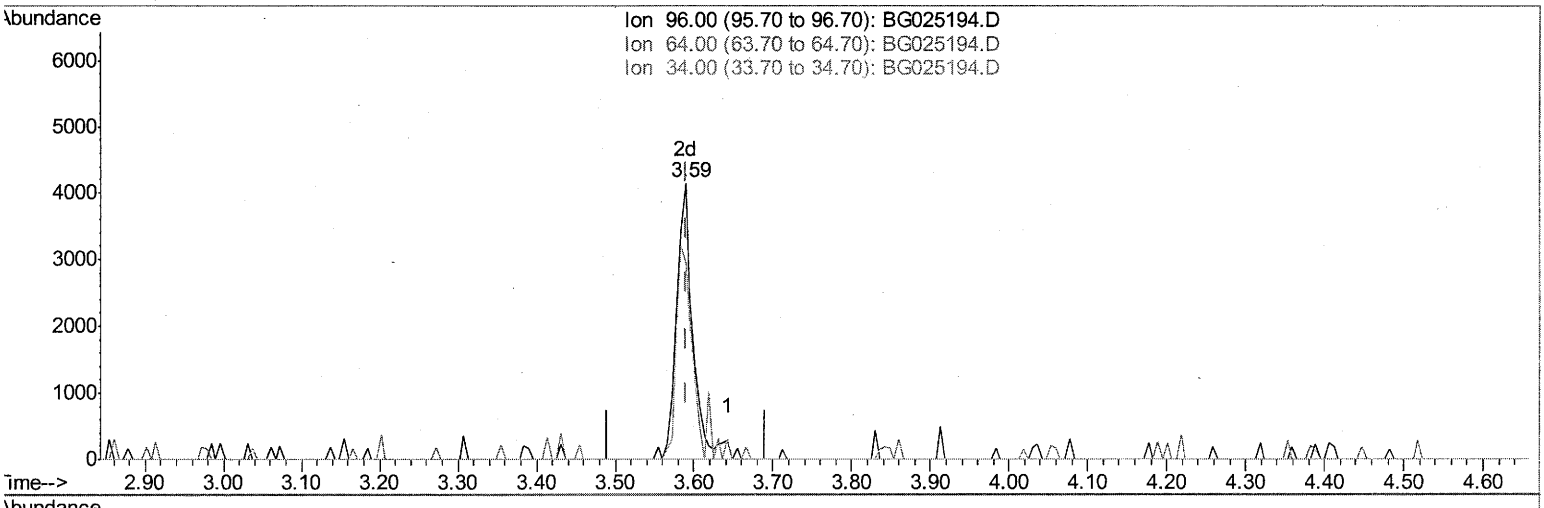

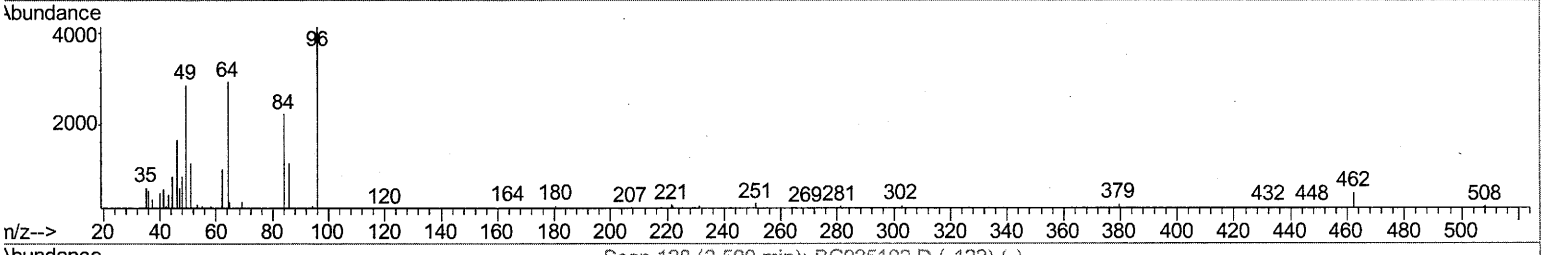

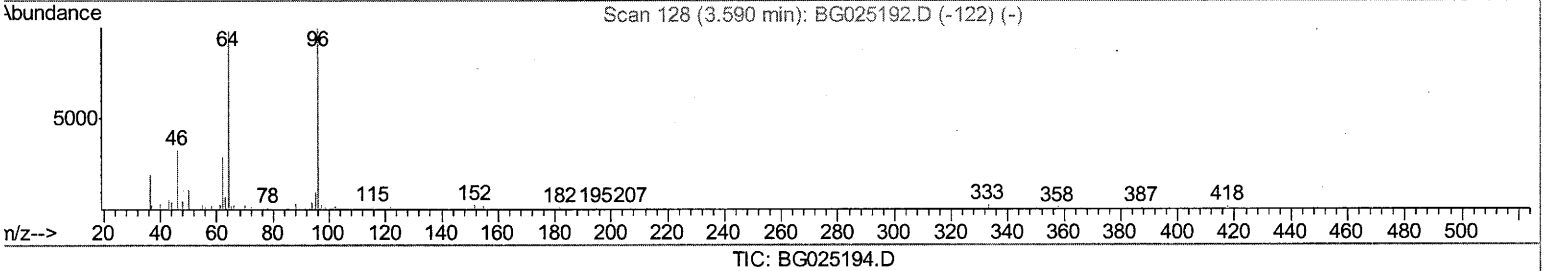

TIC: BG025194.D

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

3.589min (-0.001) 3.91ng/uL m

response 6041

Ion	Exp%	Act%
96.00	100	100
64.00	88.90	70.93#
34.00	0.00	0.00
0.00	0.00	0.00

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Quantitation Report (Qedit)

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Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 15 05:01:55 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
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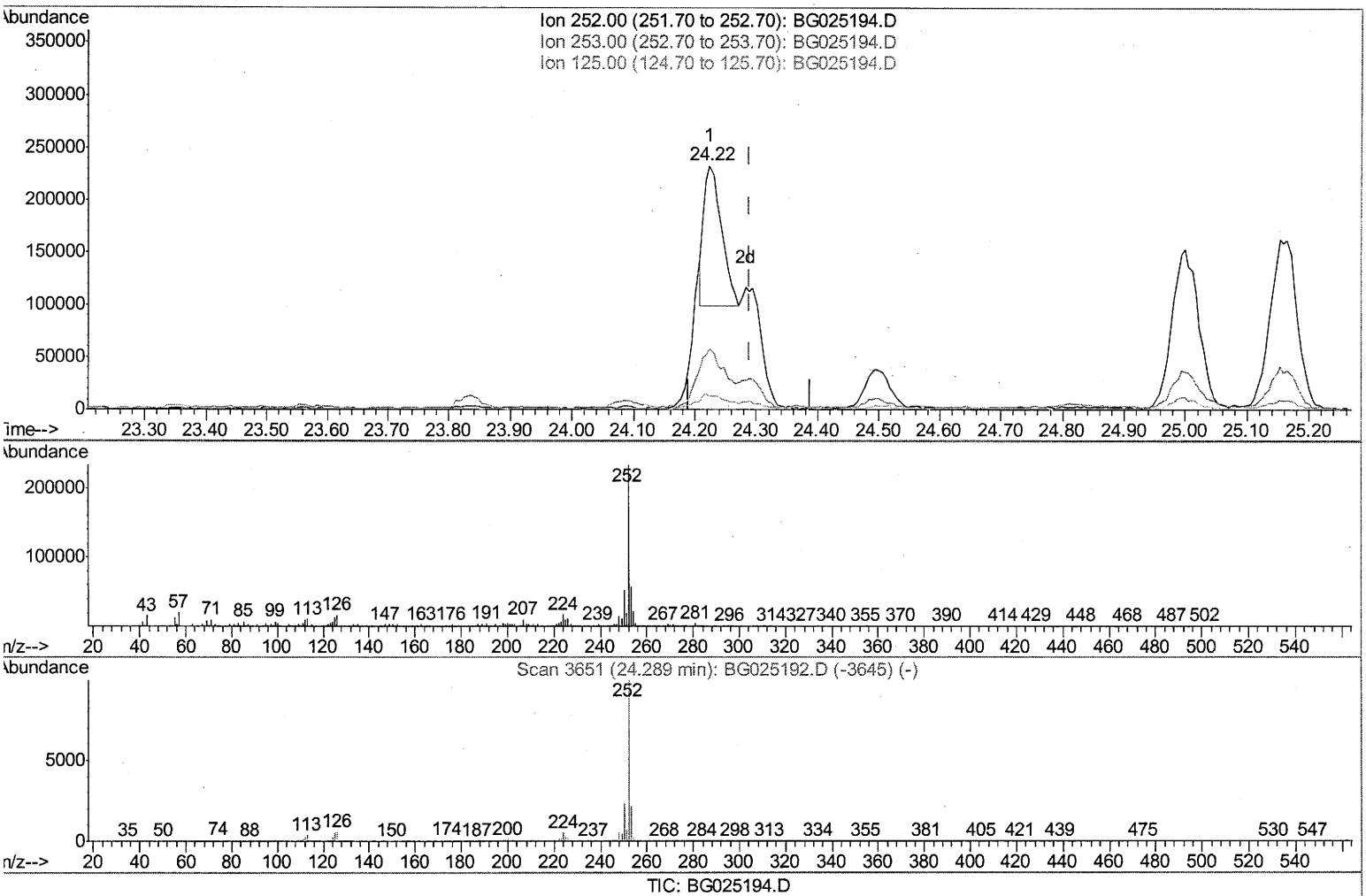

TIC: BG025194.D

(86) Benzo(k)fluoranthene

24.224min (-0.065) 8.16ng/ul

response 271373

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	24.42
125.00	5.10	5.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 15 05:01:55 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
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QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
sohil
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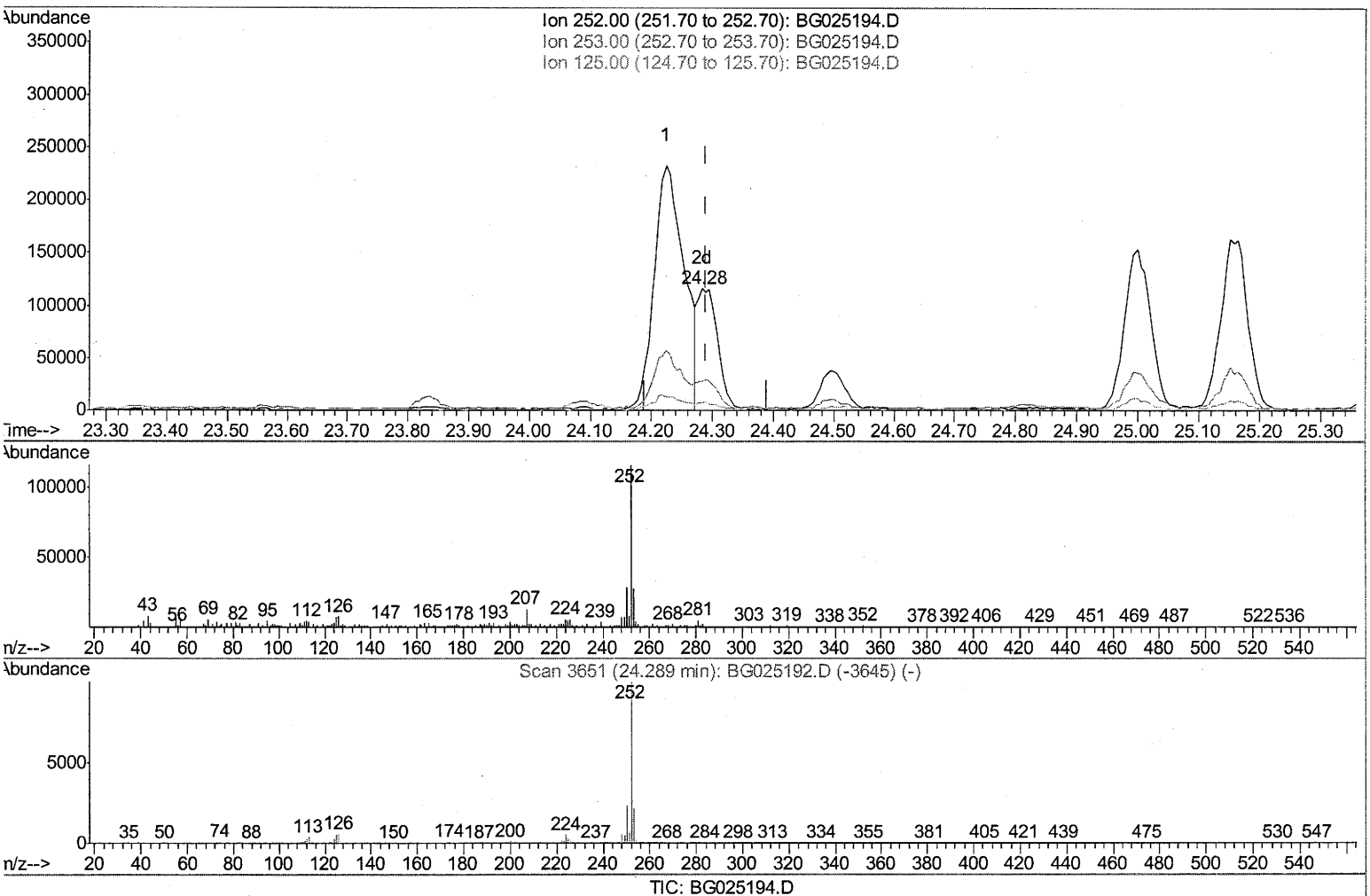

TIC: BG025194.D

(86) Benzo(k)fluoranthene

24.283min (-0.007) 7.94ng/ul m

response 263885

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	23.90
125.00	5.10	6.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025194.D
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
sohil
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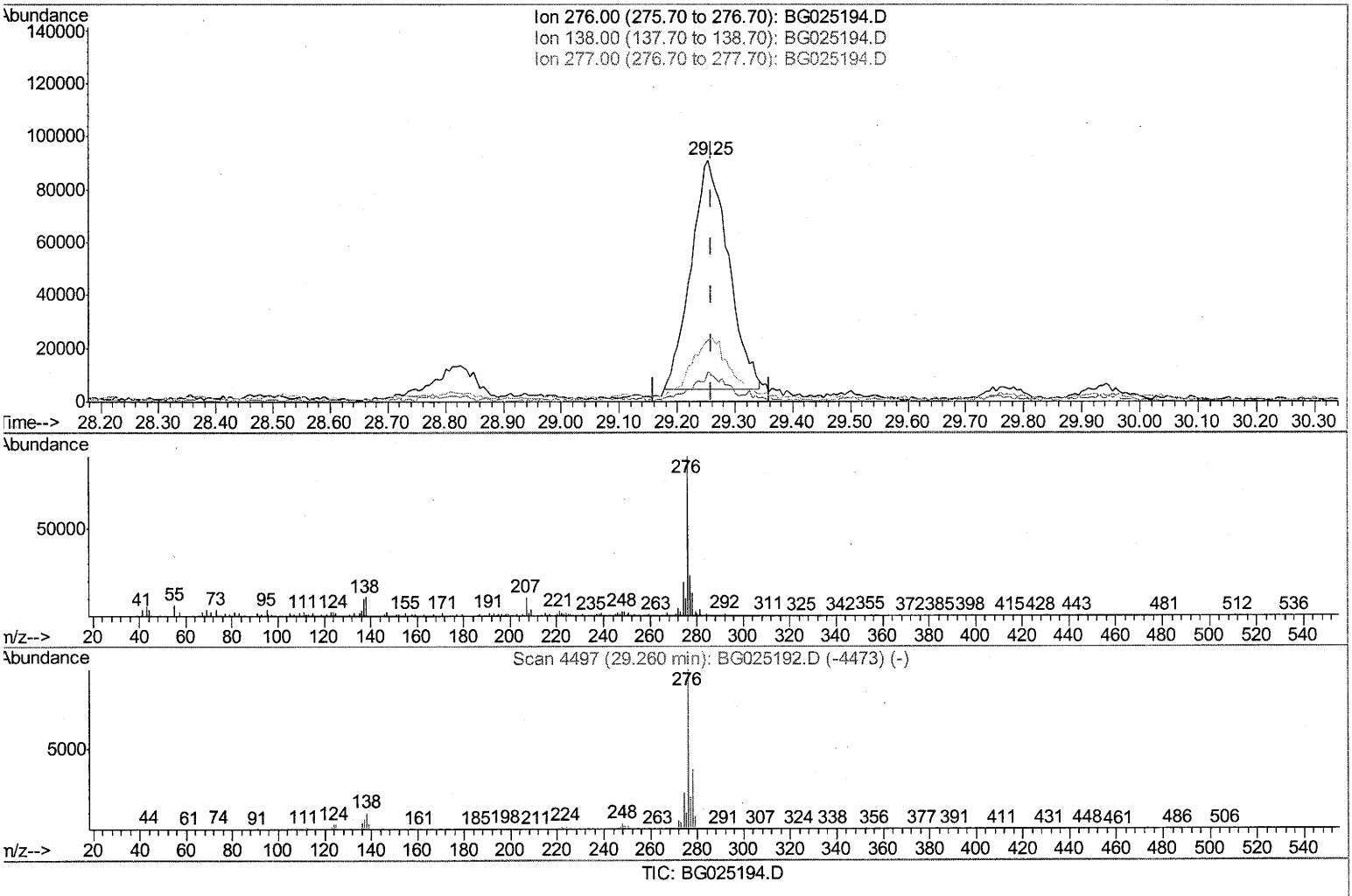

TIC: BG025194.D

(89) Indeno(1,2,3-cd)pyrene

29.253min (-0.007) 9.24ng/ul

response 386186

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	12.26
277.00	23.30	25.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 15 05:01:55 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
sohil
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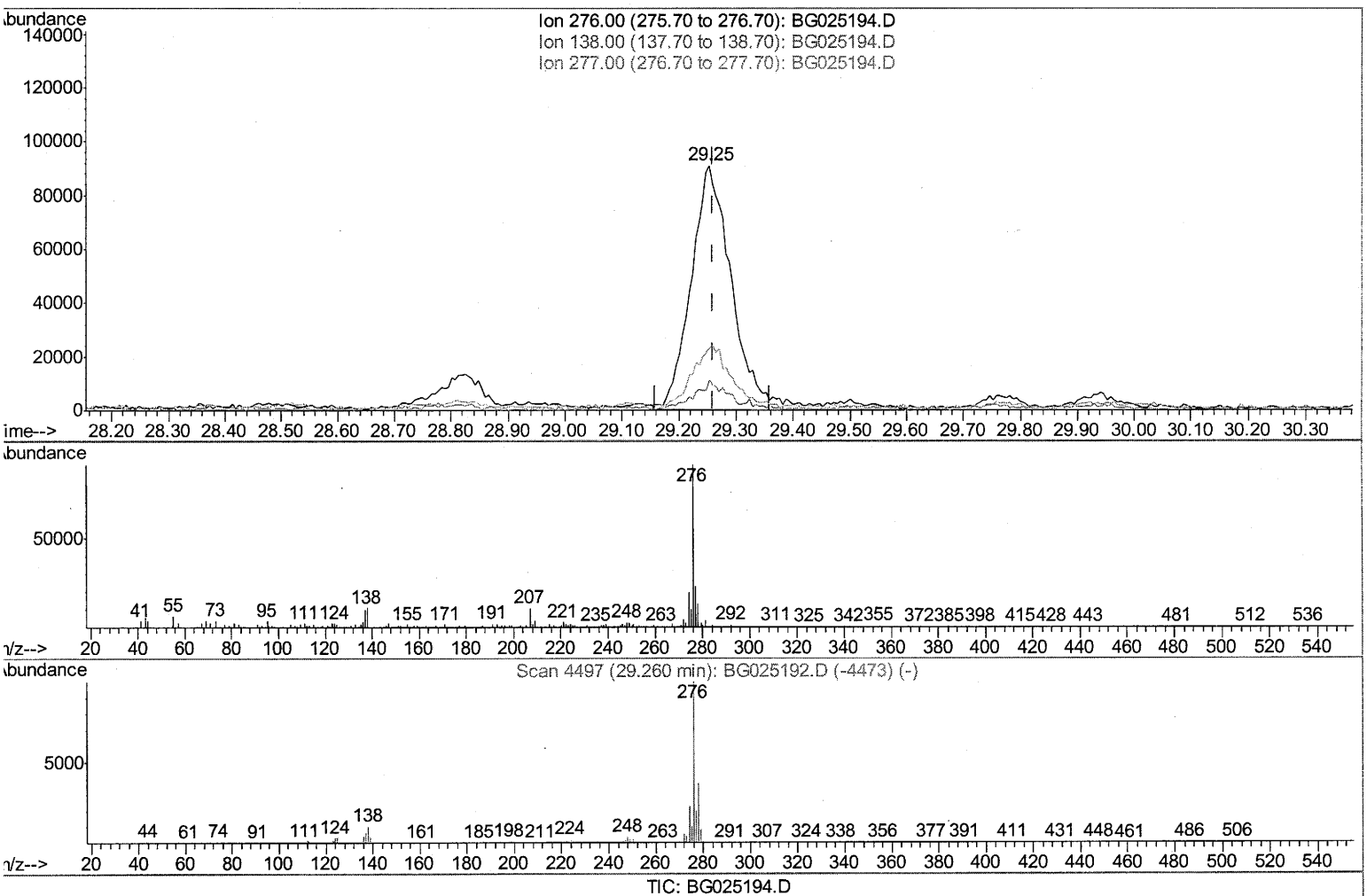

TIC: BG025194.D

(89) Indeno(1,2,3-cd)pyrene

29.253min (-0.007) 10.68ng/ul m

response 446116

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	12.26
277.00	23.30	25.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 15 05:01:55 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
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QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
sohil
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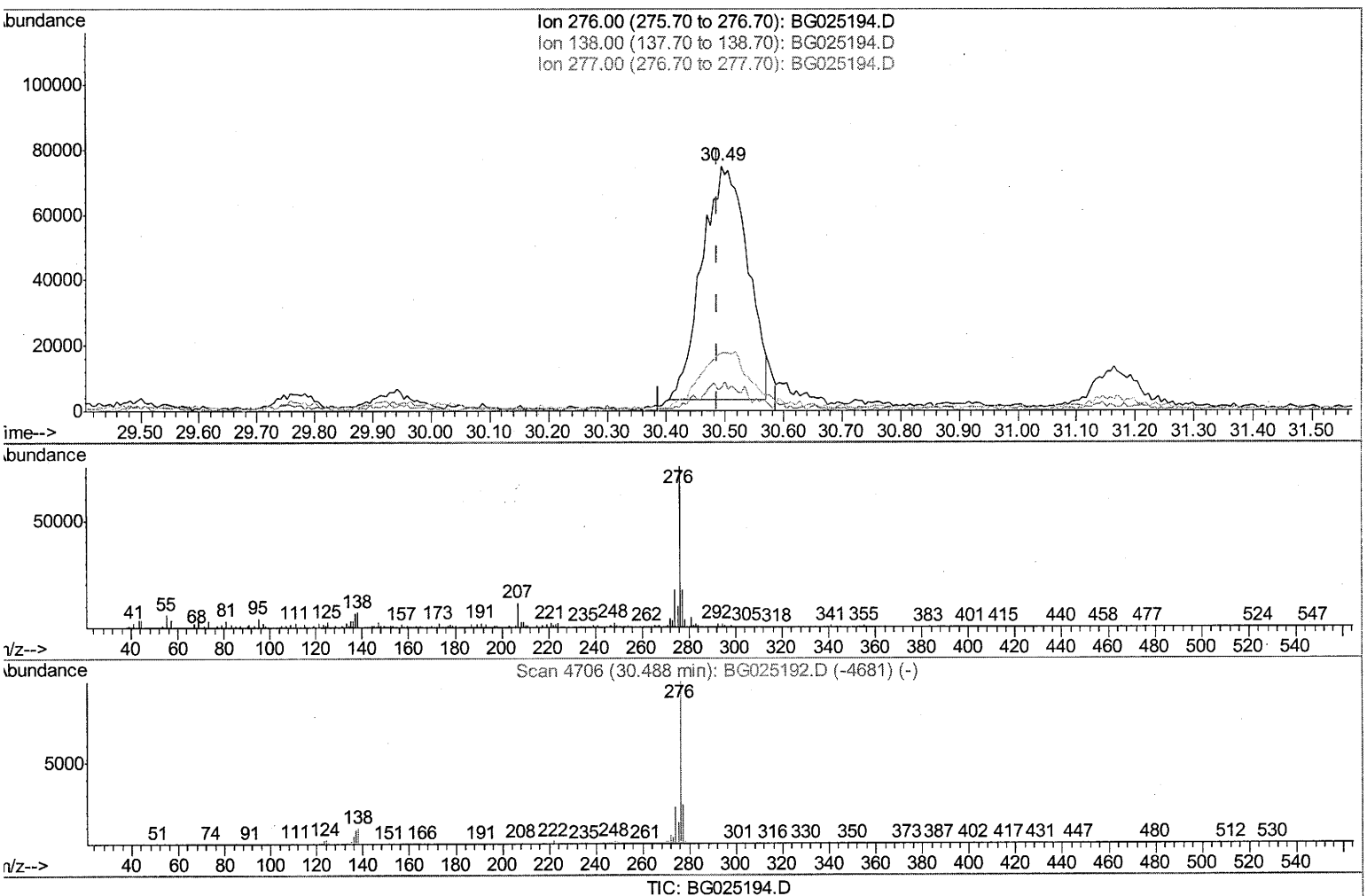

(91) Benzo(g,h,i)perylene

30.493min (+0.005) 11.02ng/ul

response 384377

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.59
277.00	22.00	23.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 15 05:01:55 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
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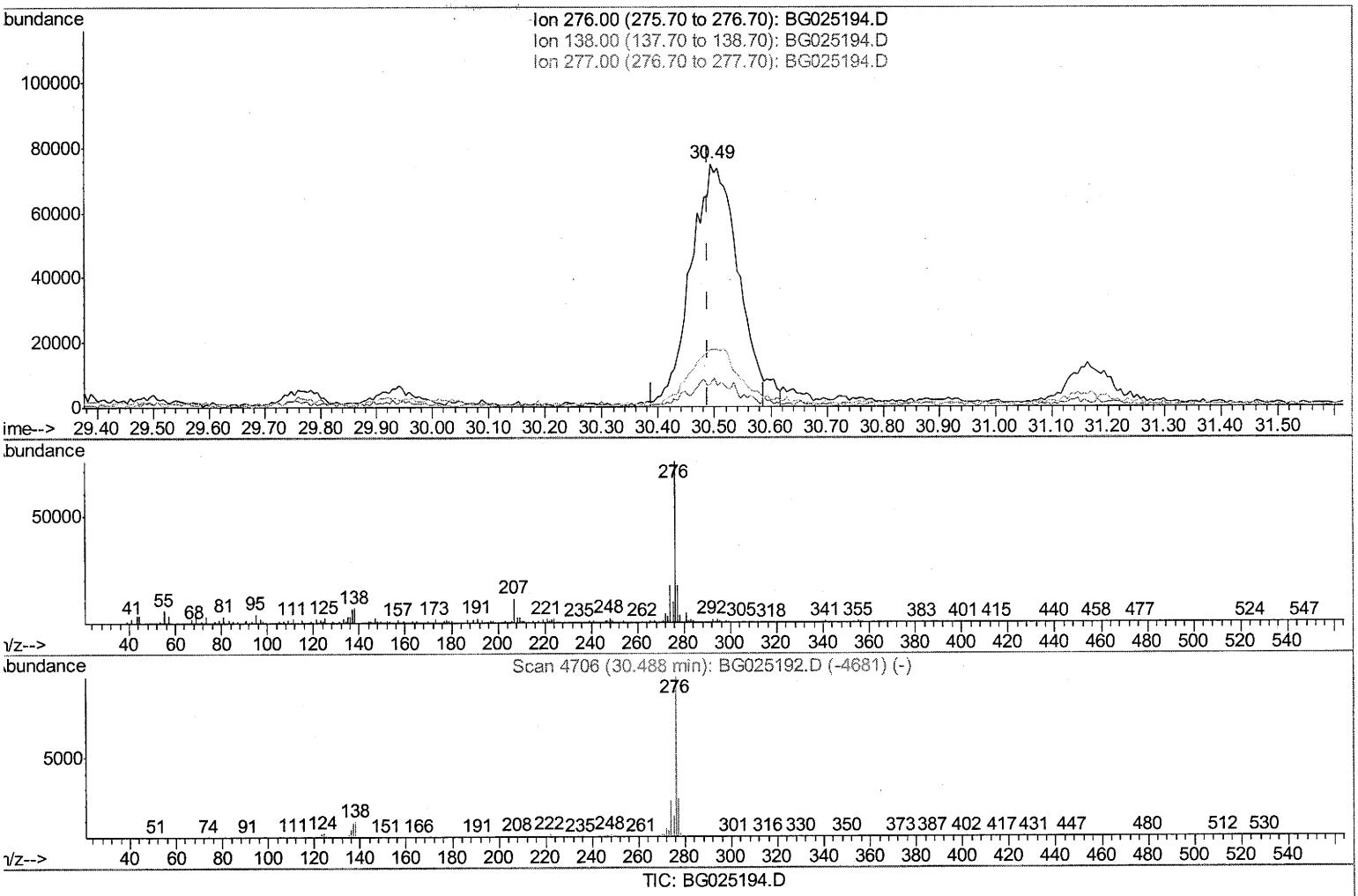

(91) Benzo(g,h,i)perylene

30.493min (+0.005) 12.82ng/ul m

response 447149

UM 12/15/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.59
277.00	22.00	23.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121416\
Data File : BG025194.D
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Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 15 05:34:39 2016
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QLast Update : Thu Dec 15 04:58:54 2016
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Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
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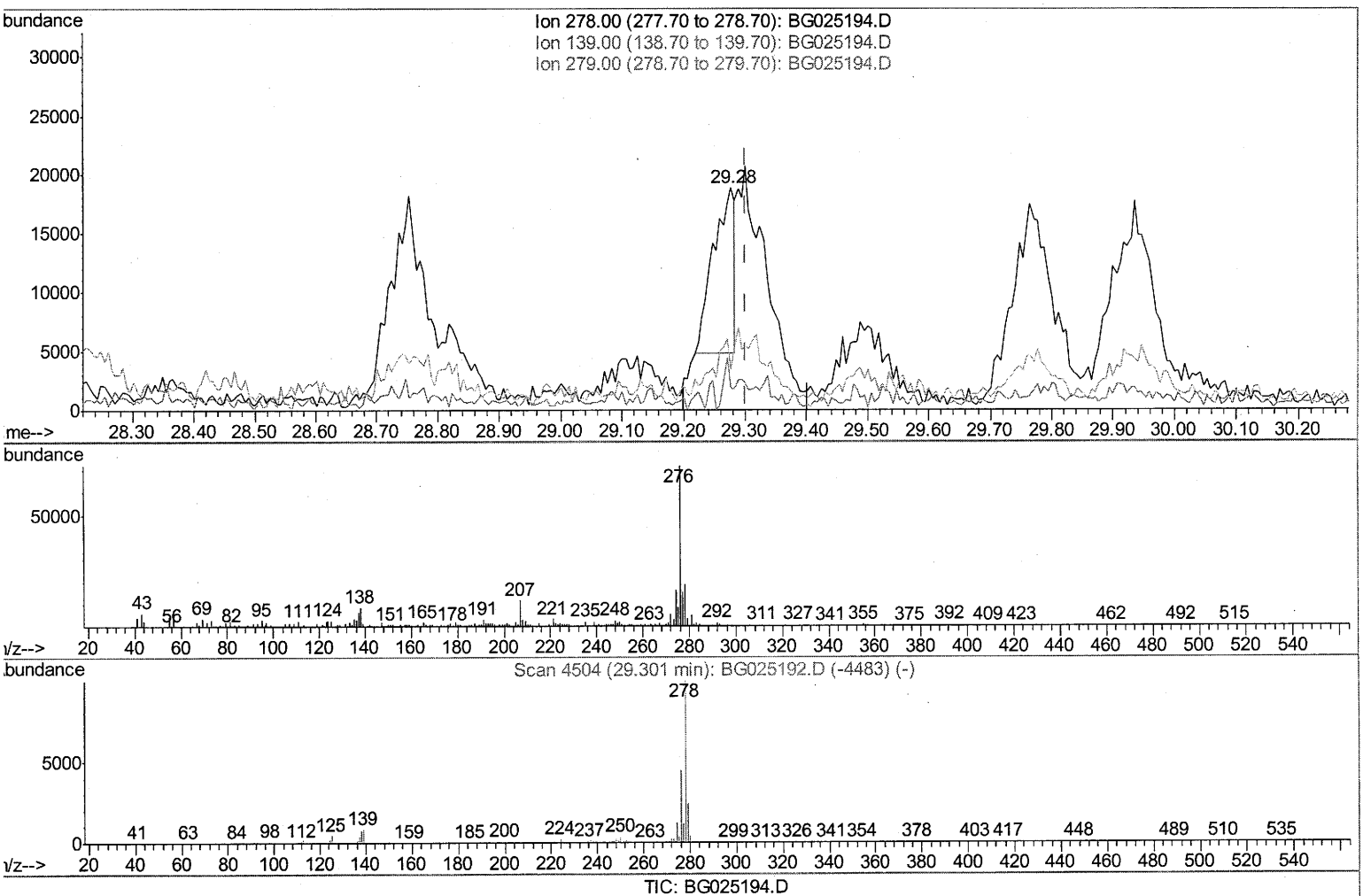

(90) Dibenzo(a,h)anthracene

29.277min (-0.024) 0.96ng/ul

response 33891

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	9.94
279.00	26.10	17.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

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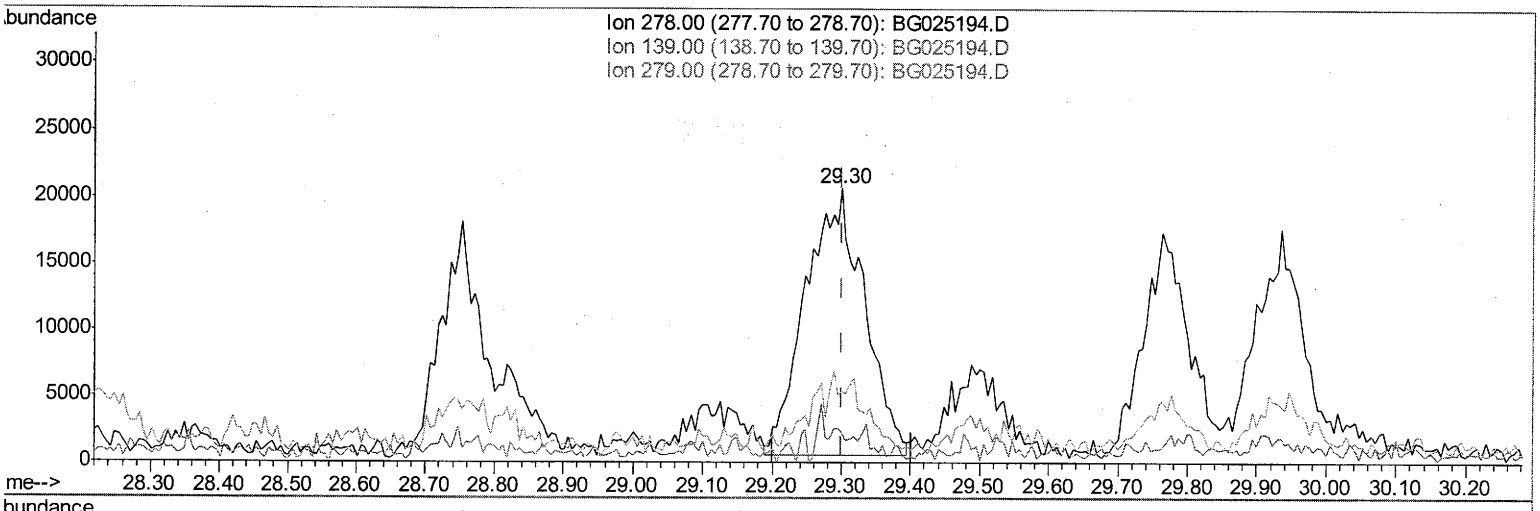
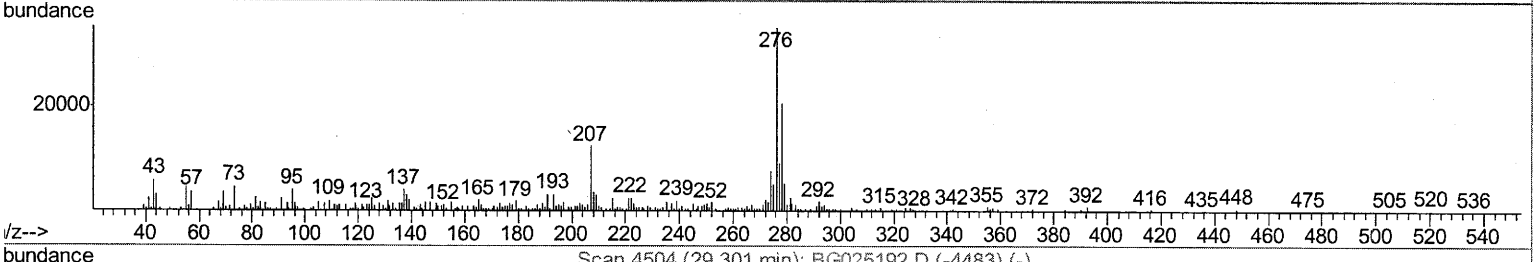
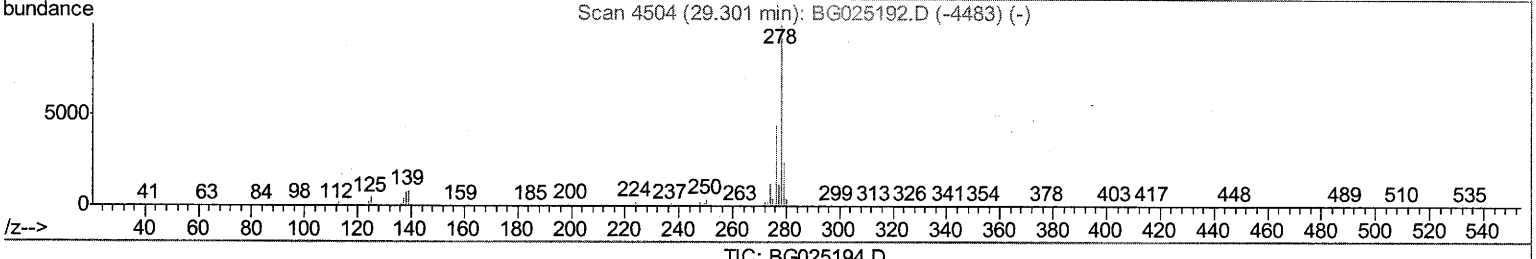
Instrument :
BNA_G
ClientSampleId :
DA843

Manual Integrations APPROVED
sohil
12/15/2016 5:44:34 PM







TIC: BG025194.D

(90) Dibenzo(a,h)anthracene

29.300min (-0.001) 3.36ng/ul m

response 118370

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	11.14#
279.00	26.10	25.83
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

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Manual Integrations APPROVED
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12/15/2016 5:44:34 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	79750	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	373083	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	294802	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	574635	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	688358	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	705273	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	6041m	3.91	ng/uL	0.00
5) Phenol-d5	7.38	99	125196	18.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	93775	22.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	102674	21.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	102337	17.80	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	58209	22.03	ng/ul	0.00
22) 2-Nitrophenol-d4	10.13	143	68029	20.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	131300	20.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	17186	2.76	ng/ul	0.02
43) Dimethylphthalate-d6	14.25	166	435391	21.47	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	506455	22.80	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	31088	8.92	ng/ul	0.01
57) Fluorene-d10	15.85	176	405038	21.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	61474	17.30	ng/ul	0.00
70) Anthracene-d10	17.70	188	571520	23.56	ng/ul	0.00
76) Pyrene-d10	19.98	212	678872	23.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	666982	23.34	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.41	94	26362	3.73	ng/ul	93
28) Naphthalene	11.12	128	35818	2.07	ng/ul	97
34) 2-Methylnaphthalene	12.70	142	40602	2.97	ng/ul	99
44) Dimethylphthalate	14.29	163	256090	12.85	ng/ul	97
53) Dibenzofuran	15.25	168	37713	1.61	ng/ul	90
69) Phenanthrene	17.64	178	212461	7.75	ng/ul	97
71) Anthracene	17.73	178	41143	1.46	ng/ul#	93
74) Fluoranthene	19.64	202	422519	12.96	ng/ul	100
77) Pyrene	20.01	202	460163	13.91	ng/ul	97
80) Benzo(a)anthracene	21.87	228	354527	9.91	ng/ul	97
82) Chrysene	21.94	228	443548	13.26	ng/ul	98
85) Benzo(b)fluoranthene	24.22	252	788434	22.54	ng/ul	96
86) Benzo(k)fluoranthene	24.28	252	263885m	7.94	ng/ul	
88) Benzo(a)pyrene	25.15	252	490153	14.58	ng/ul	94
89) Indeno(1,2,3-cd)pyrene	29.25	276	446116m	10.68	ng/ul	
90) Dibenzo(a,h)anthracene	29.30	278	118370m	3.36	ng/ul	
91) Benzo(g,h,i)perylene	30.49	276	447149m	12.82	ng/ul	

UM 12/15/16

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