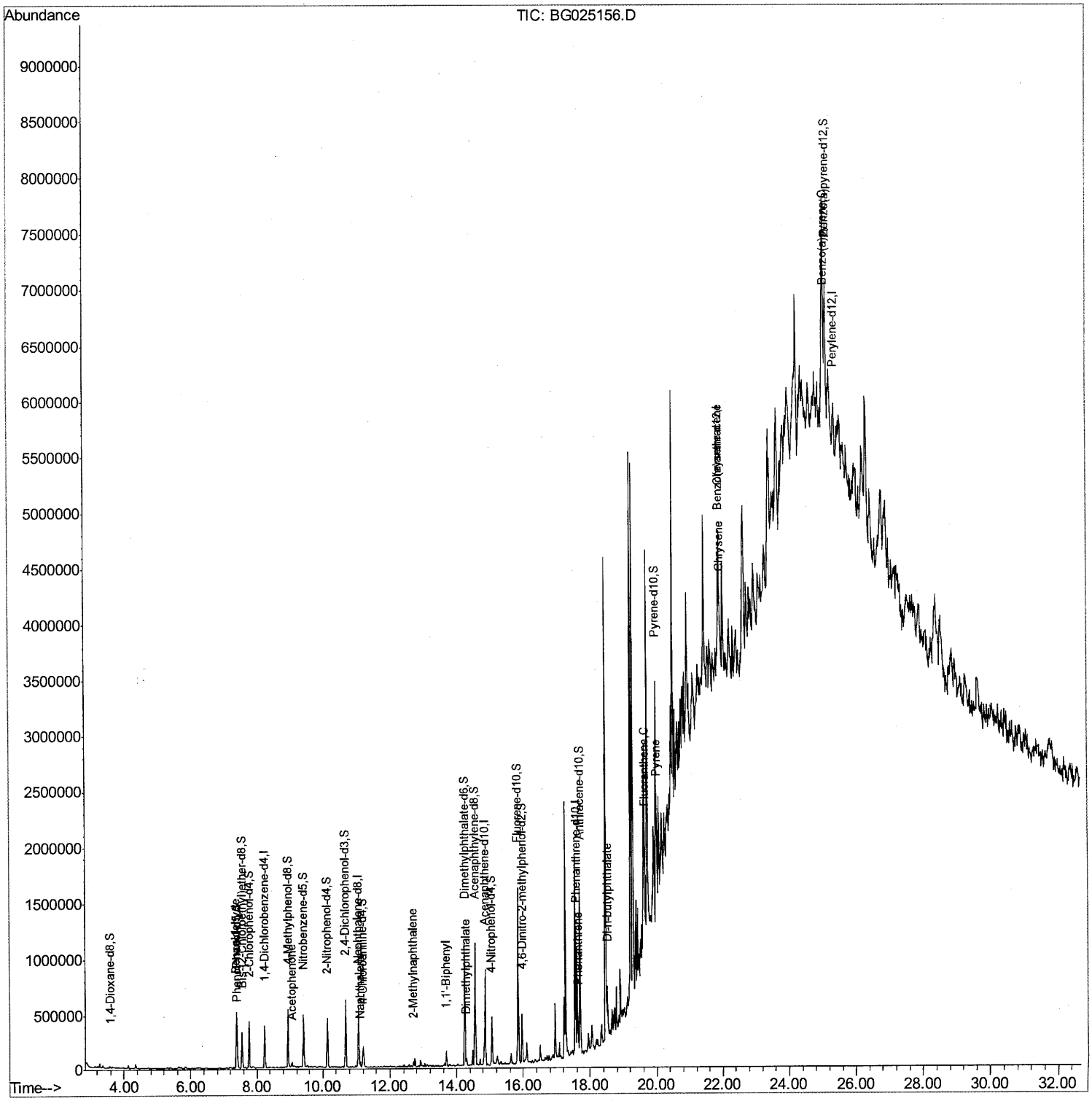
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:33:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
12/14/2016 6:17:34 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:22:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
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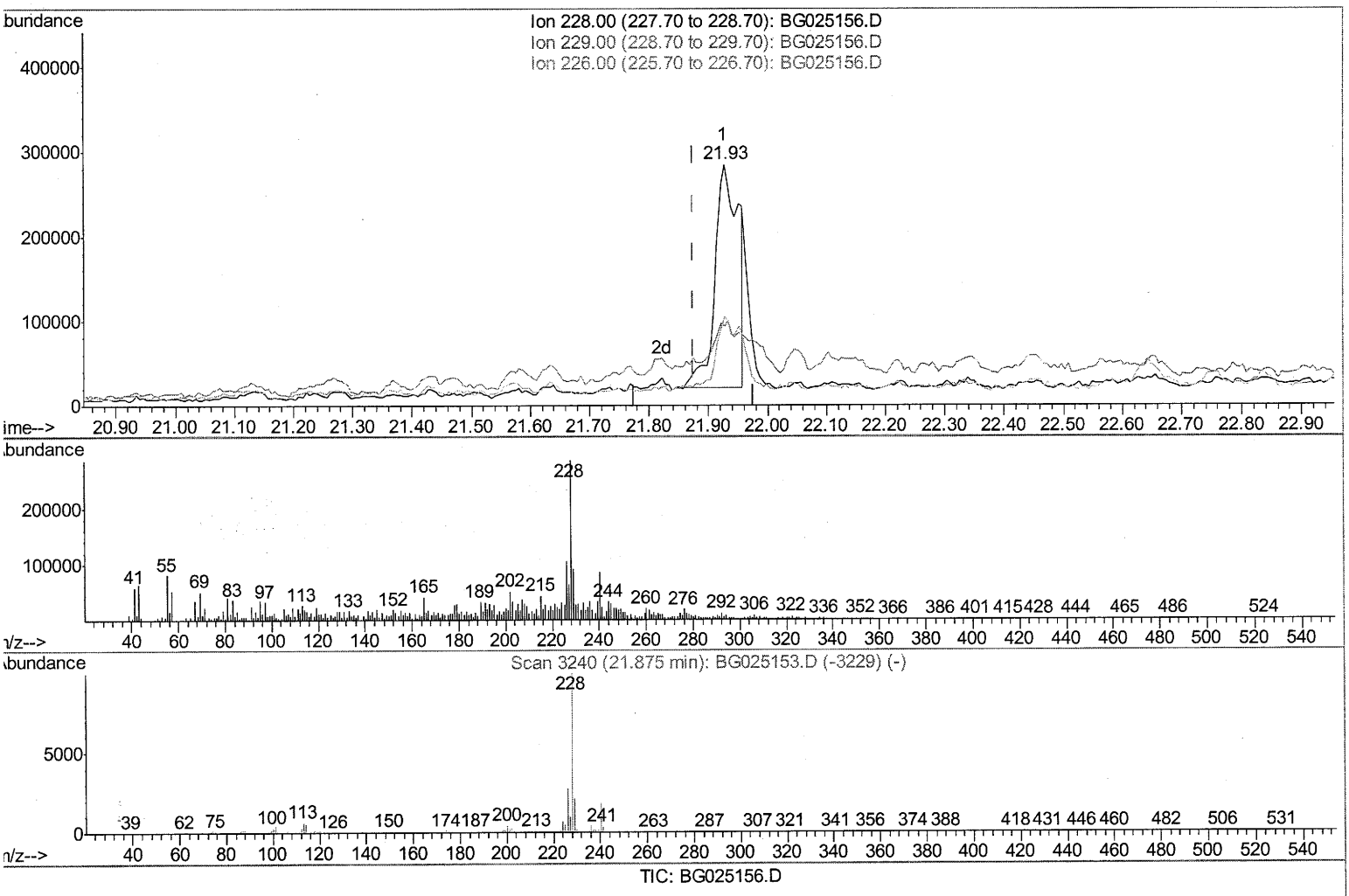

TIC: BG025156.D

(80) Benzo(a)anthracene

21.927min (+0.052) 18.50ng/ul

response 713341

Ion	Exp%	Act%
228.00	100	100
229.00	20.40	32.59#
226.00	27.40	36.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
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Misc :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
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Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
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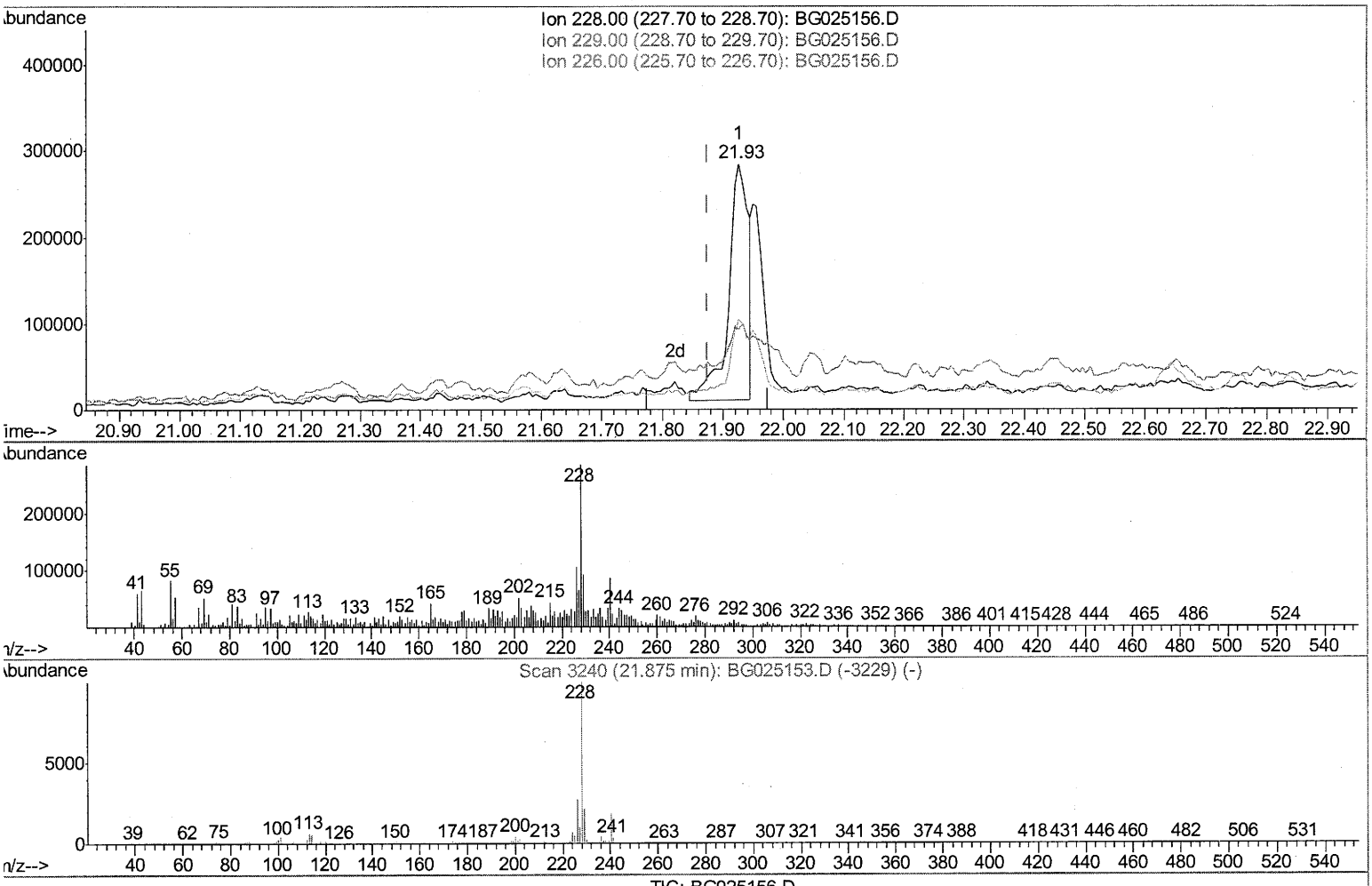

TIC: BG025156.D

(80) Benzo(a)anthracene

21.927min (+0.052) 16.16ng/ul m

response 622956

UM 12/14/16

Ion	Exp%	Act%
228.00	100	100
229.00	20.40	32.59#
226.00	27.40	36.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:22:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
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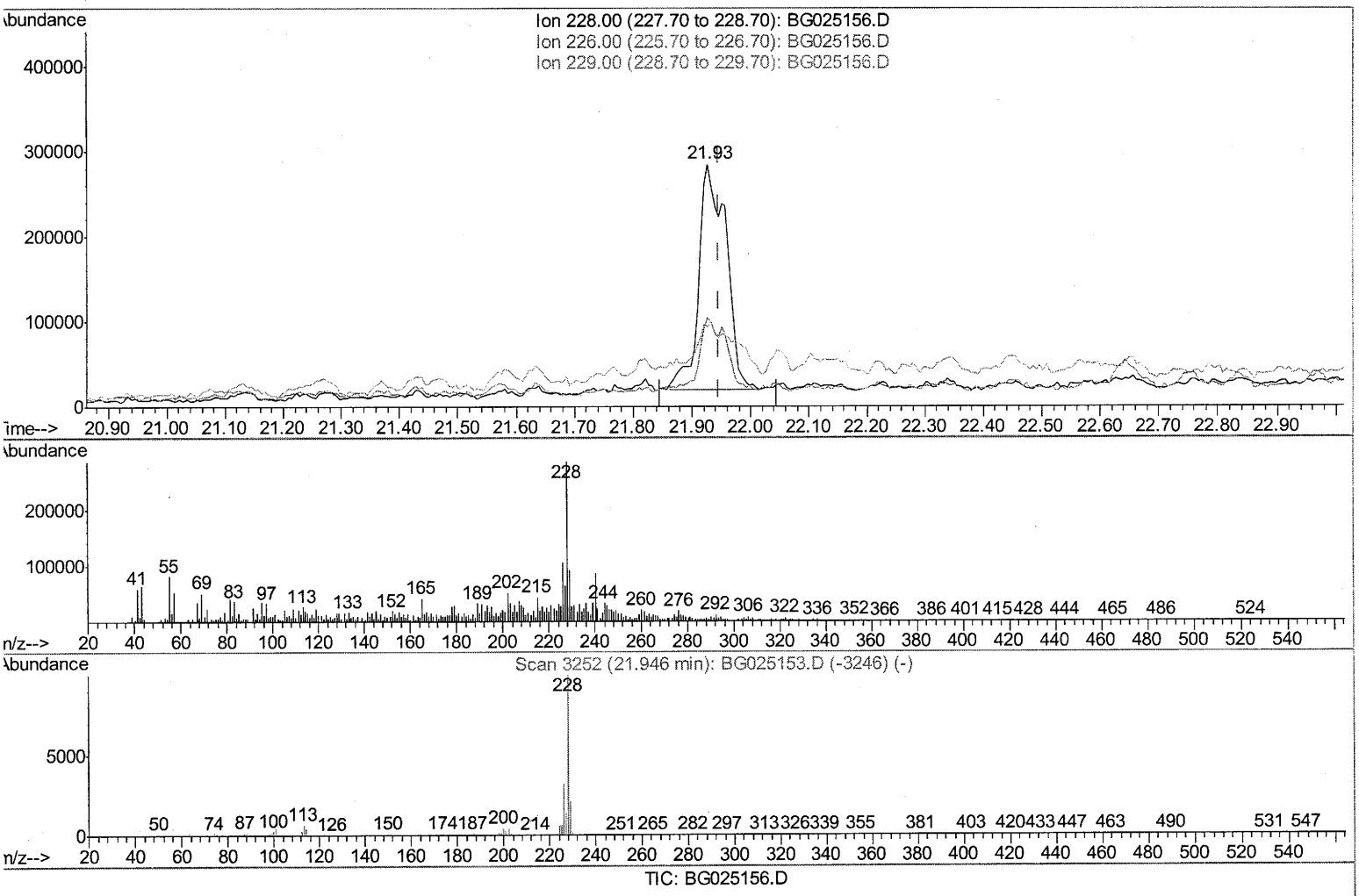

TIC: BG025156.D

(82) Chrysene

21.927min (-0.019) 23.95ng/ul

response 863766

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	36.85#
229.00	21.10	32.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:22:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
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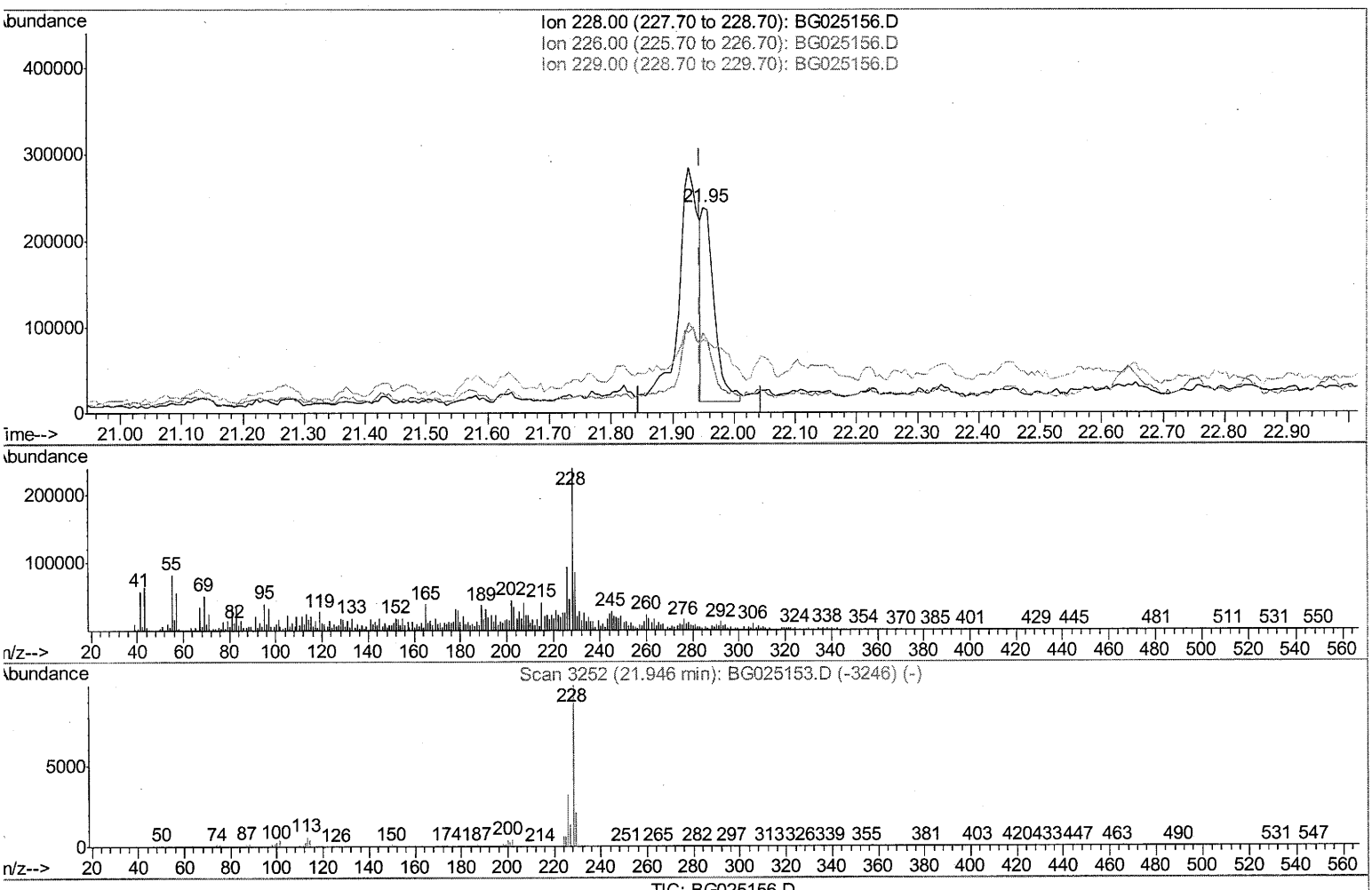

TIC: BG025156.D

(82) Chrysene

21.950min (+0.005) 8.74ng/ul m

response 315224

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	38.84#
229.00	21.10	35.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:22:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
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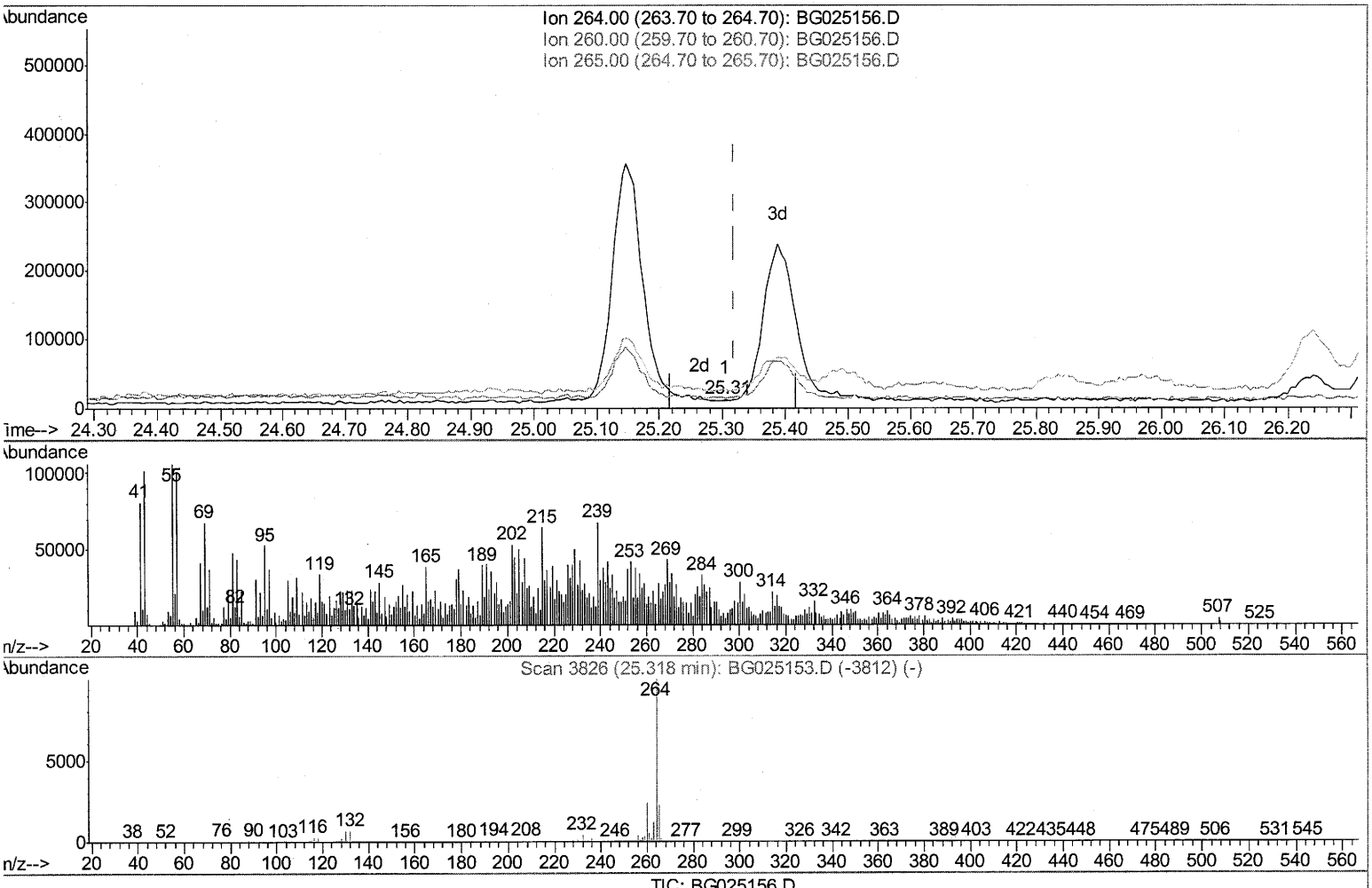

TIC: BG025156.D

(83) Perylene-d12 (I)

25.305min (-0.013) 20.00ng/ul

response 1292

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	101.38#
265.00	20.60	198.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:22:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
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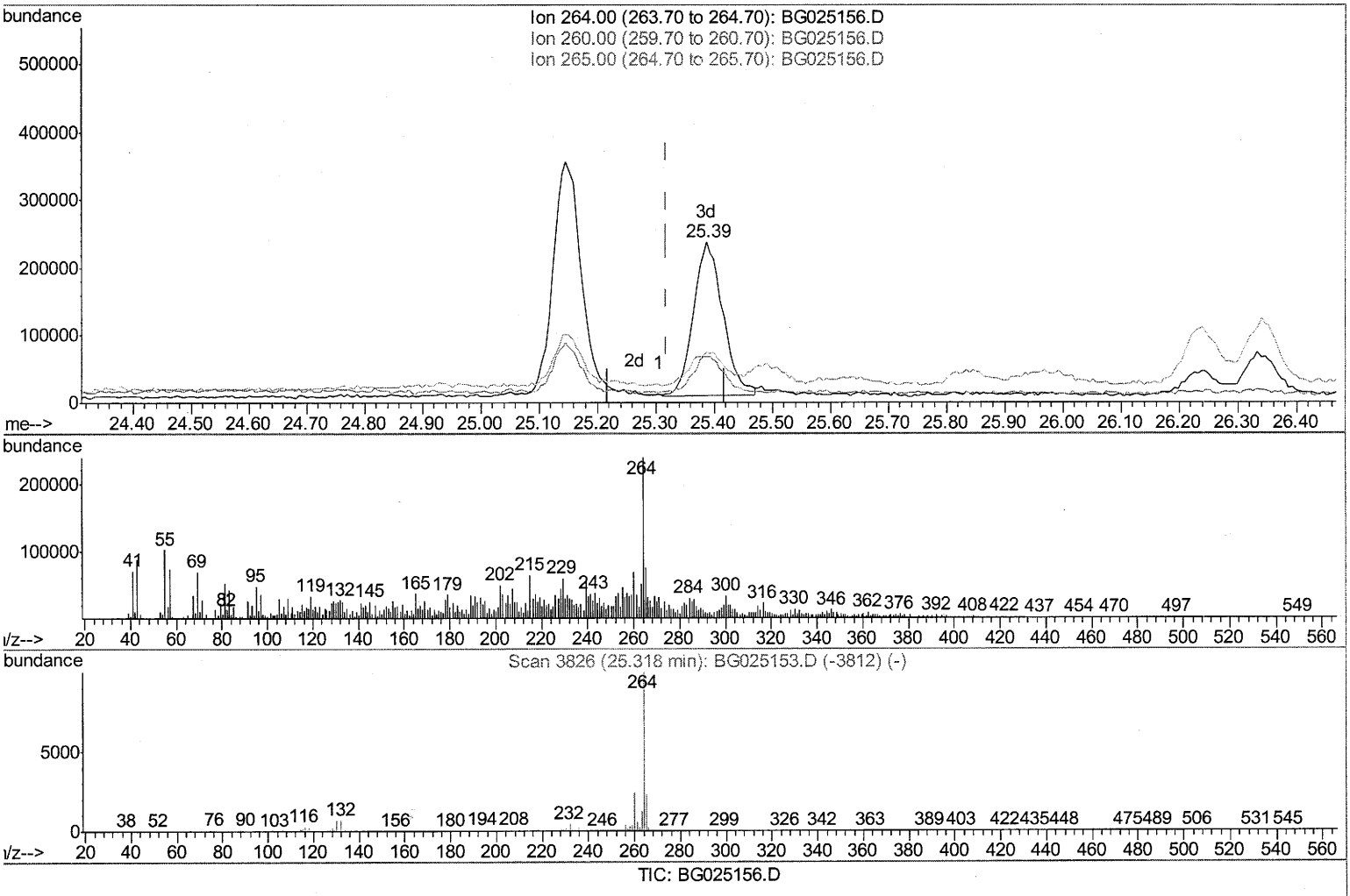


TIC: BG025156.D

(83) Perylene-d12 (I)

25.387min (+0.069) 20.00ng/ul m

response 801449

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	28.91#
265.00	20.60	31.67#
0.00	0.00	0.00

UM
12/14/16

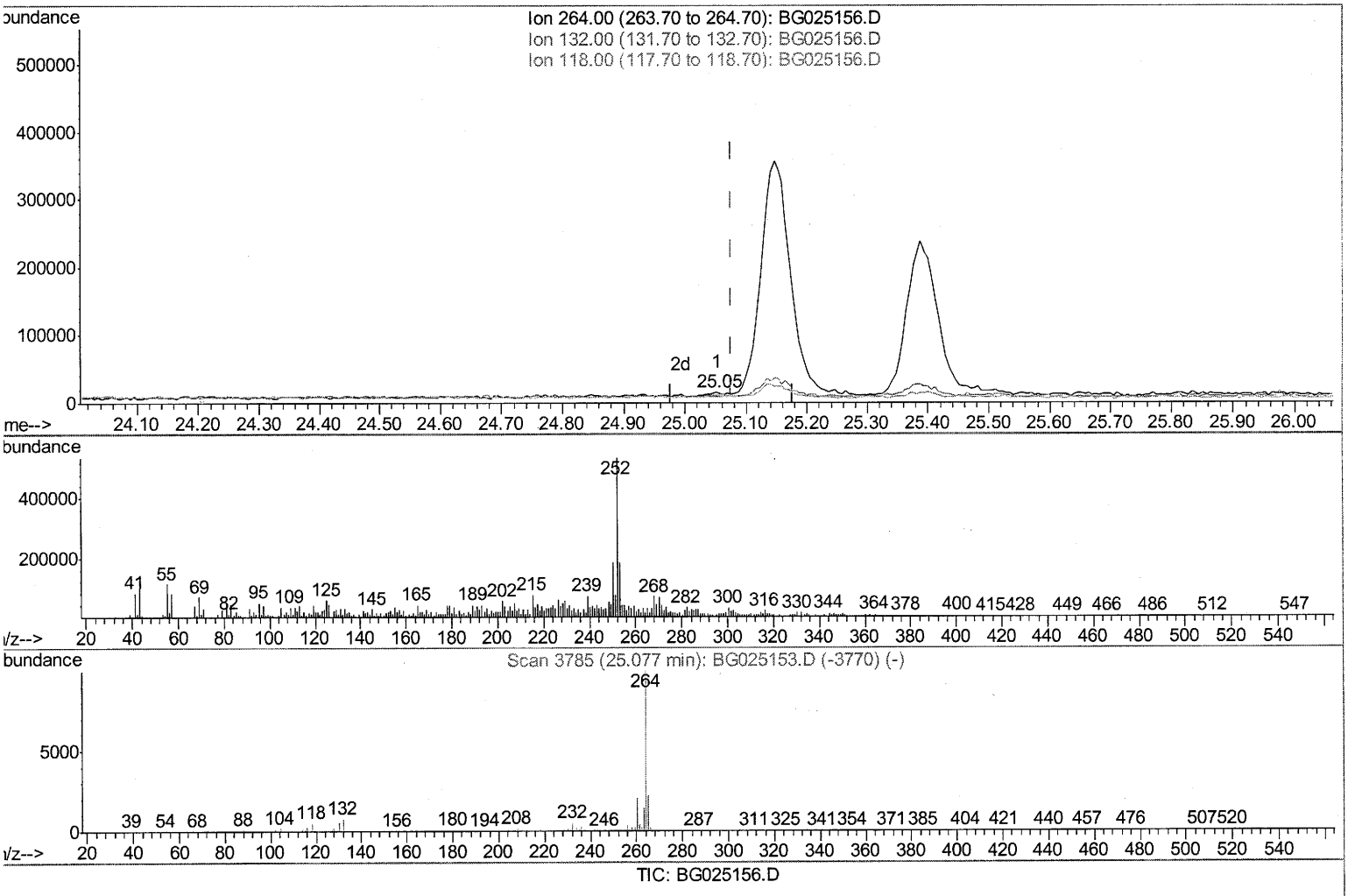
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:32:40 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
12/14/2016 6:17:34 PM



(87) Benzo(a)pyrene-d12 (S)

25.052min (-0.025) 0.33ng/ul

response 10721

Ion	Exp%	Act%
264.00	100	100
132.00	8.50	71.25#
118.00	6.00	71.43#
0.00	0.00	0.00

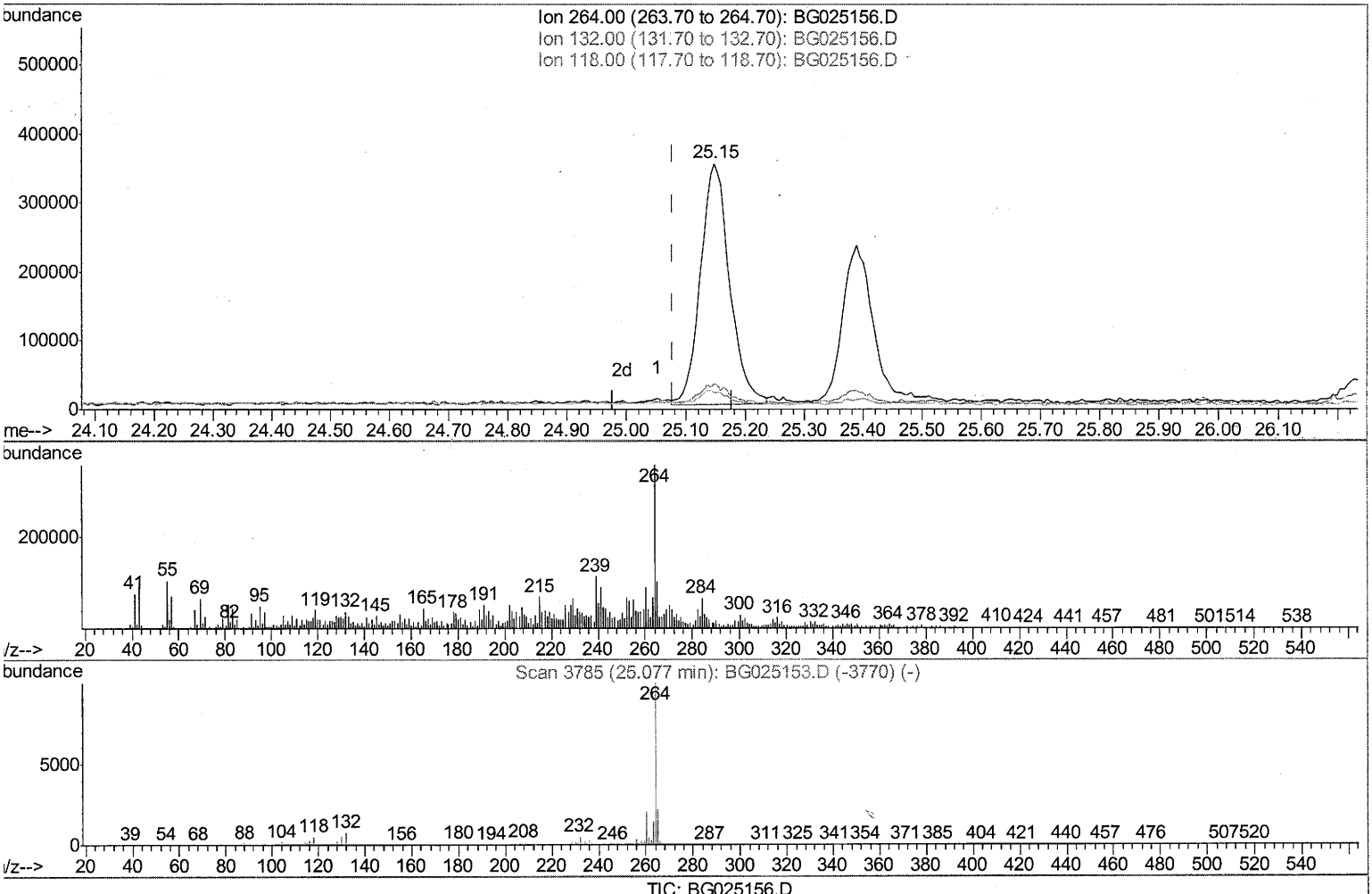
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:32:40 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
12/14/2016 6:17:34 PM



(87) Benzo(a)pyrene-d12 (S)

25.147min (+0.069) 36.93ng/ul m

response 1199109

UM 12/14/16

Ion	Exp%	Act%
264.00	100	100
132.00	8.50	10.48#
118.00	6.00	6.67
0.00	0.00	0.00

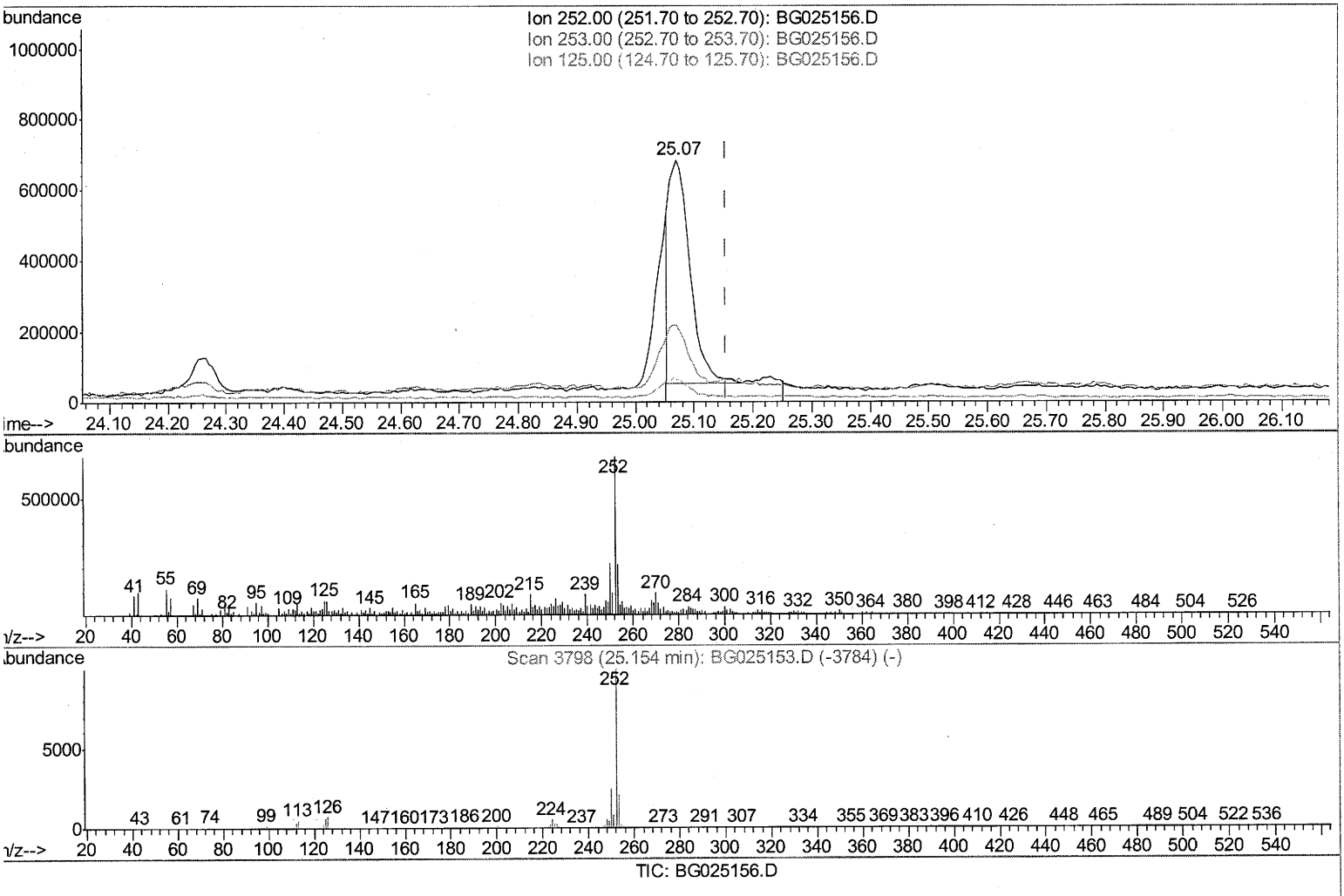
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:32:40 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
12/14/2016 6:17:34 PM



TIC: BG025156.D

(88) Benzo(a)pyrene (C)

25.070min (-0.083) 40.48ng/ul

response 1546809

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	31.84#
125.00	6.70	9.25#
0.00	0.00	0.00

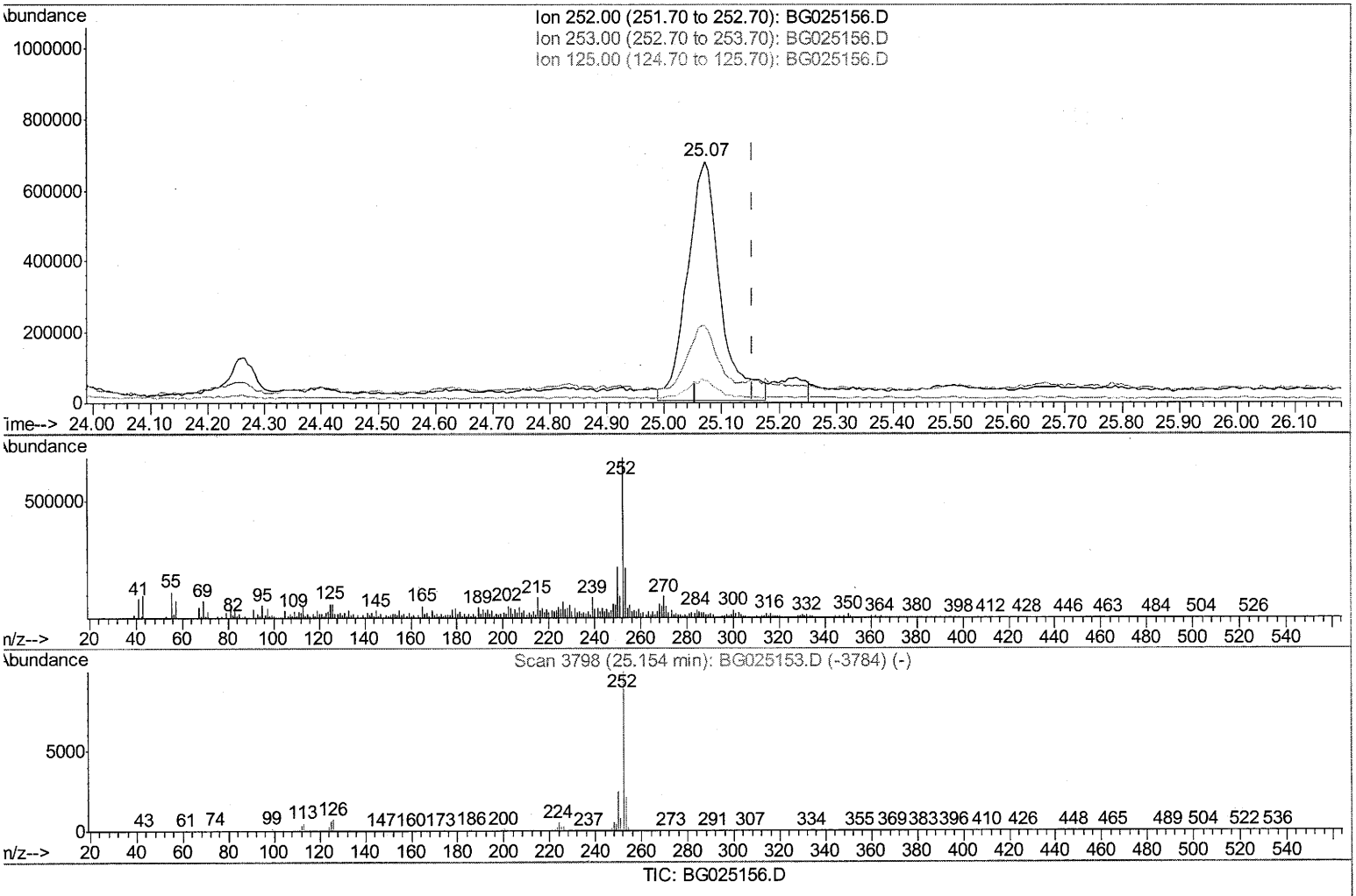
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 14 03:32:40 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P006-PCS-03

Manual Integrations APPROVED
sohil
12/14/2016 6:17:34 PM



TIC: BG025156.D

(88) Benzo(a)pyrene (C)

25.070min (-0.083) 70.88ng/ul m (UM)

response 2708577 12/14/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	31.84#
125.00	6.70	9.25#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025156.D
Acq On : 13 Dec 2016 22:09
Operator : UM/SJ
Sample : H5990-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P006-PCS-03

Manual Integrations APPROVED
sohil
12/14/2016 6:17:34 PM

Quant Time: Dec 14 03:33:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	101382	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	422275	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	310271	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	607084	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	741982	20.00	ng/ul	0.00
83) Perylene-d12	25.39	264	801449m	20.00	ng/ul	0.07
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	9449	4.81	ng/uL	0.00
5) Phenol-d5	7.38	99	255112	29.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	171214	31.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	179389	29.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	211218	28.90	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	99304	33.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	120977	32.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	223428	31.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	104512	14.83	ng/ul	0.01
43) Dimethylphthalate-d6	14.25	166	691188	32.39	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	807574	34.55	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	101221	27.60	ng/ul	0.00
57) Fluorene-d10	15.85	176	625648	31.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	104316	27.79	ng/ul	0.00
70) Anthracene-d10	17.70	188	910446	35.53	ng/ul	0.00
76) Pyrene-d10	19.98	212	1023499	33.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.15	264	1199109m	36.93	ng/ul	0.07
Target Compounds						Qvalue
4) Benzaldehyde	7.37	77	30448	4.62	ng/ul	94
6) Phenol	7.41	94	18846	2.10	ng/ul	96
14) Acetophenone	9.07	105	21895	1.97	ng/ul#	81
28) Naphthalene	11.12	128	27992	1.43	ng/ul#	95
34) 2-Methylnaphthalene	12.70	142	22234	1.44	ng/ul#	79
40) 1,1'-Biphenyl	13.69	154	65491	3.48	ng/ul#	94
44) Dimethylphthalate	14.29	163	41266	1.97	ng/ul	96
69) Phenanthrene	17.64	178	150650	5.20	ng/ul	99
73) Di-n-butylphthalate	18.52	149	147970	4.72	ng/ul	97
74) Fluoranthene	19.64	202	45120	1.31	ng/ul#	68
77) Pyrene	20.01	202	137161	3.85	ng/ul#	89
80) Benzo(a)anthracene	21.93	228	622956m	16.16	ng/ul	
82) Chrysene	21.95	228	315224m	8.74	ng/ul	
88) Benzo(a)pyrene	25.07	252	2708577m	70.88	ng/ul	

UM 12/14/16

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