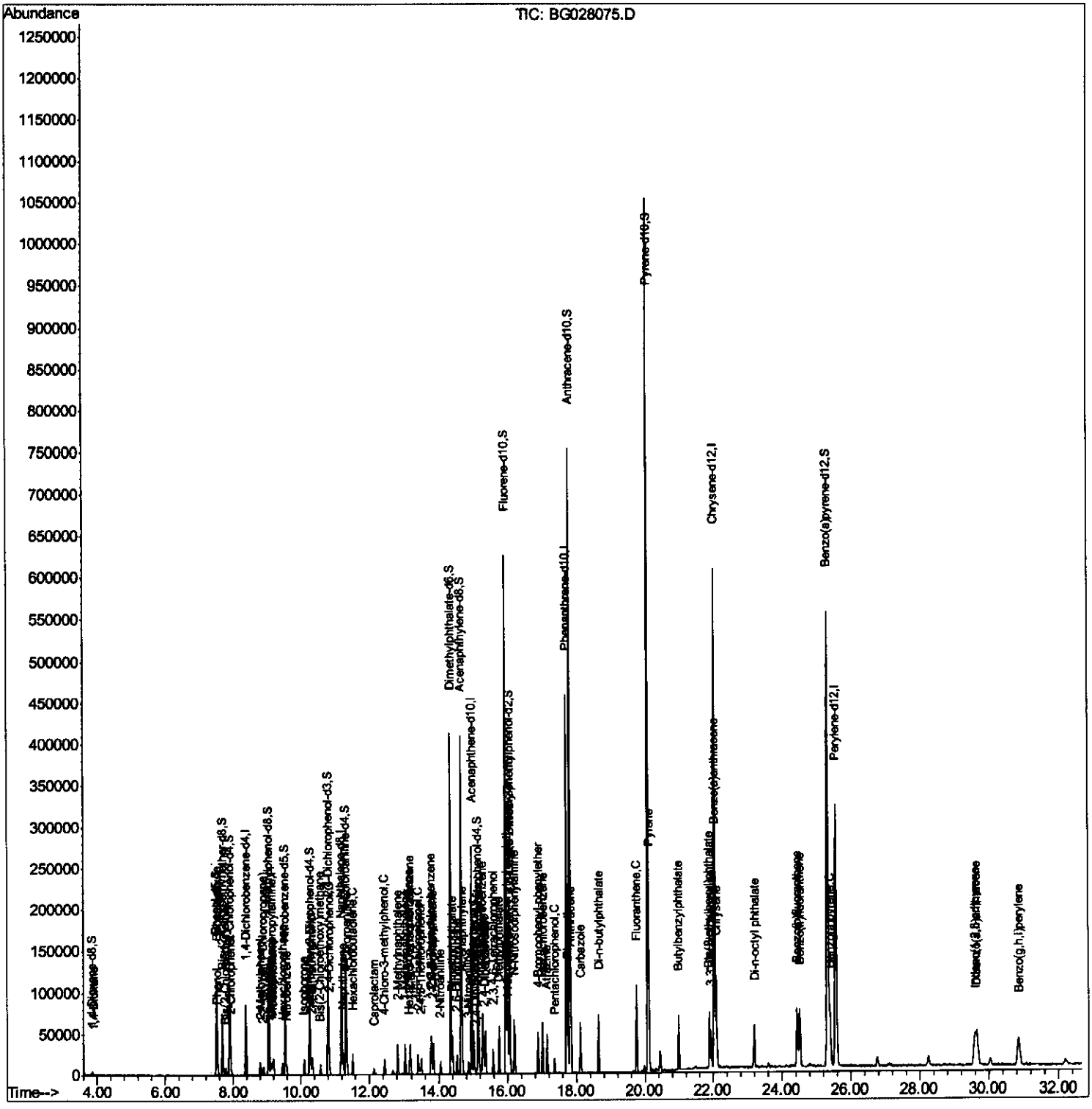
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:43:19 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
8/1/2017 2:55:19 PM

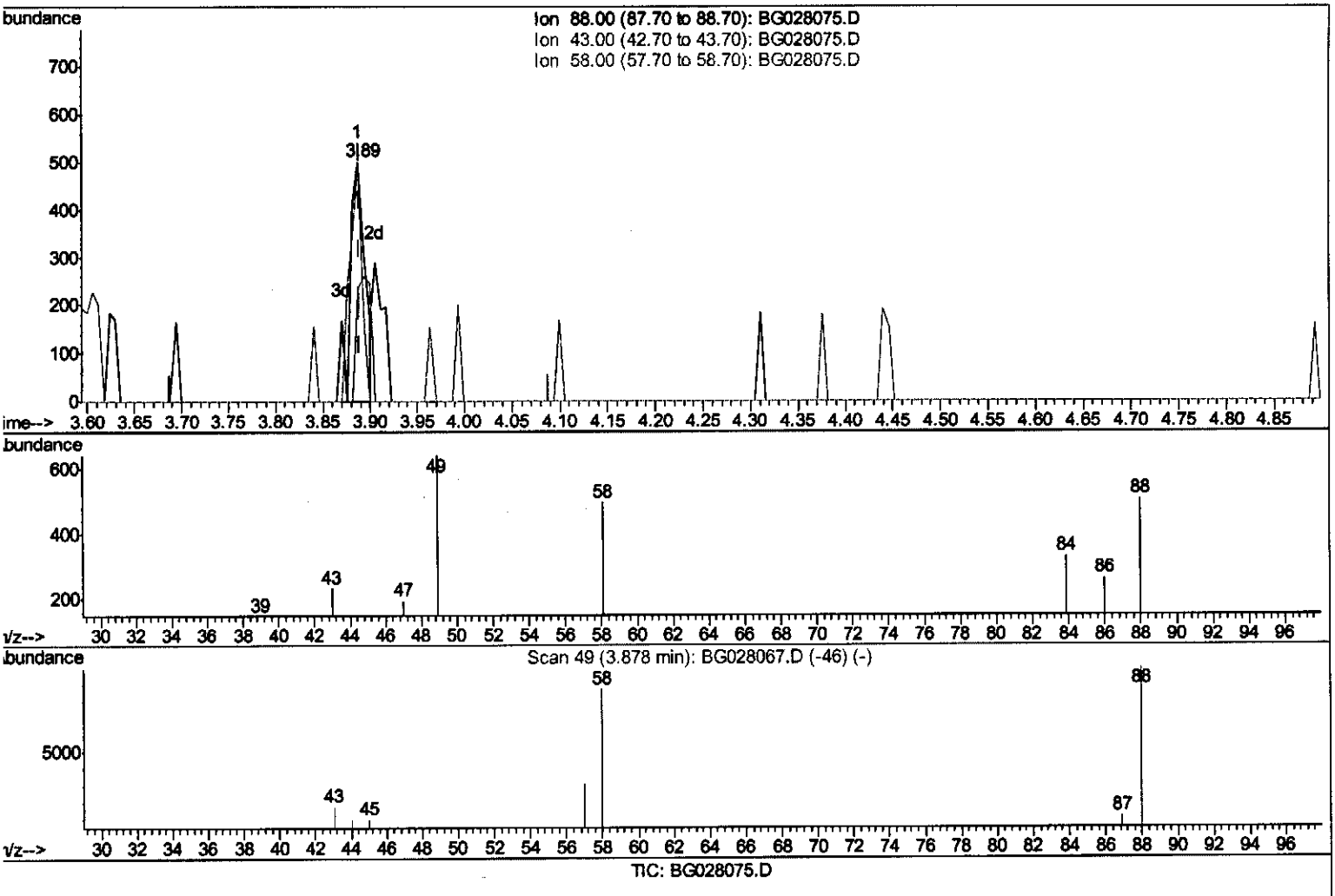


Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
8/1/2017 2:55:19 PM



TIC: BG028075.D

(2) 1,4-Dioxane

3.888min (-0.001) 1.02ng/uL

response 487

Ion	Exp%	Act%
88.00	100	100
43.00	36.20	46.61#
58.00	57.40	98.61#
0.00	0.00	0.00

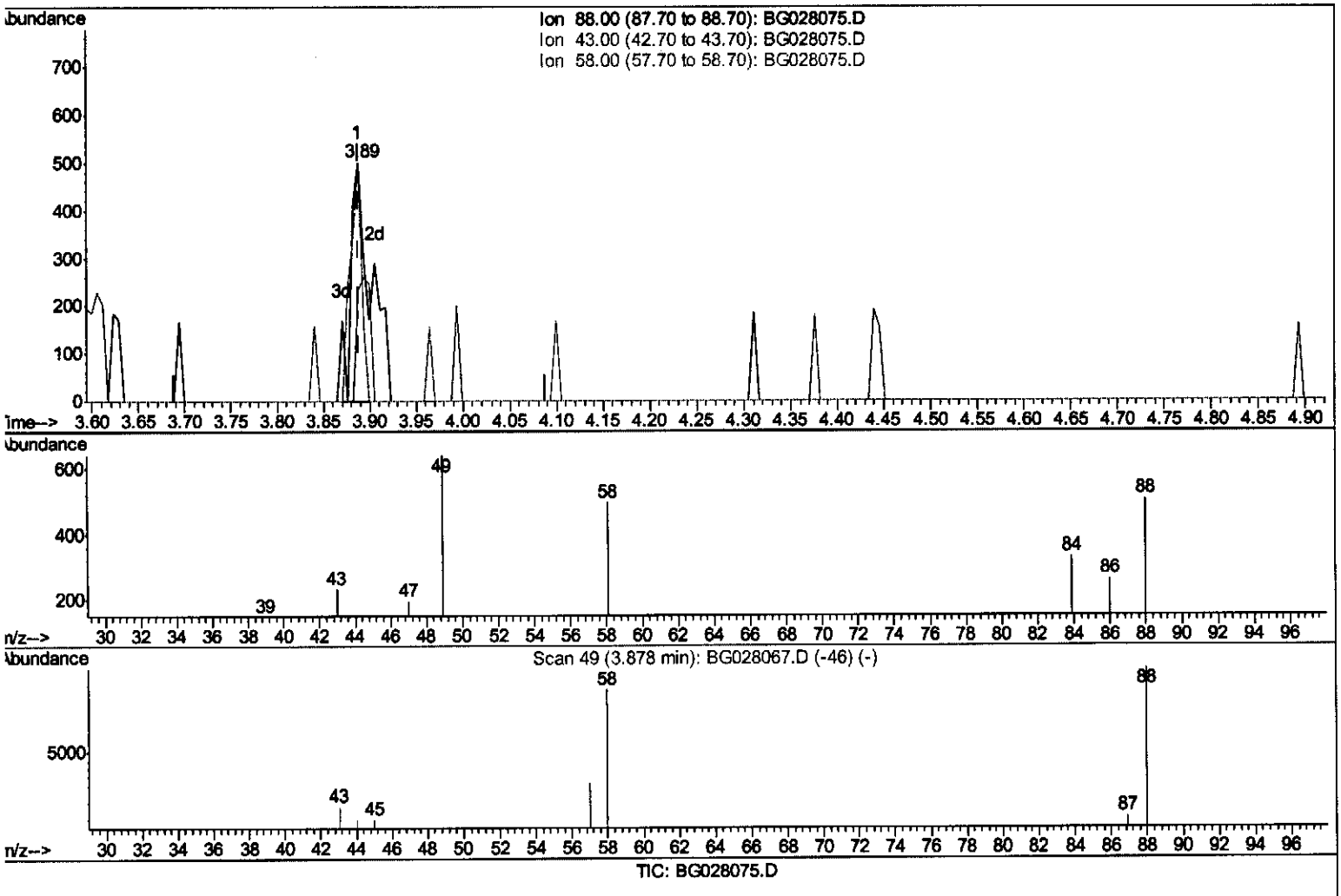
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
8/1/2017 2:55:19 PM



TIC: BG028075.D

(2) 1,4-Dioxane

3.888min (-0.001) 1.53ng/uL m

response 726

Ion	Exp%	Act%
88.00	100	100
43.00	36.20	46.61#
58.00	57.40	98.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
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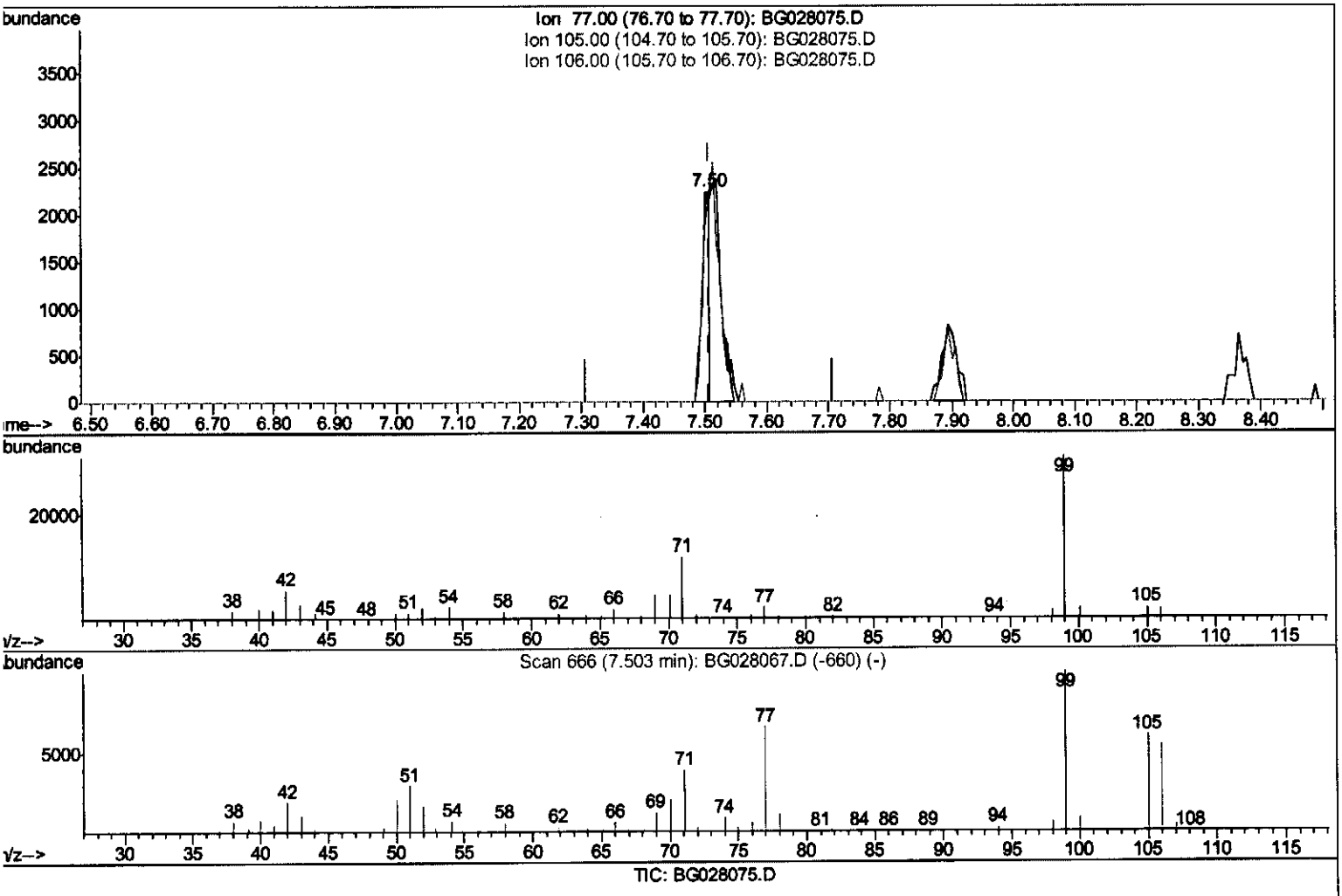


TIC: BG028075.D

(4) Benzaldehyde

7.501min (-0.007) 1.95ng/ul

response 2092

Ion	Exp%	Act%
77.00	100	100
105.00	88.80	91.98
106.00	86.90	84.89
0.00	0.00	0.00

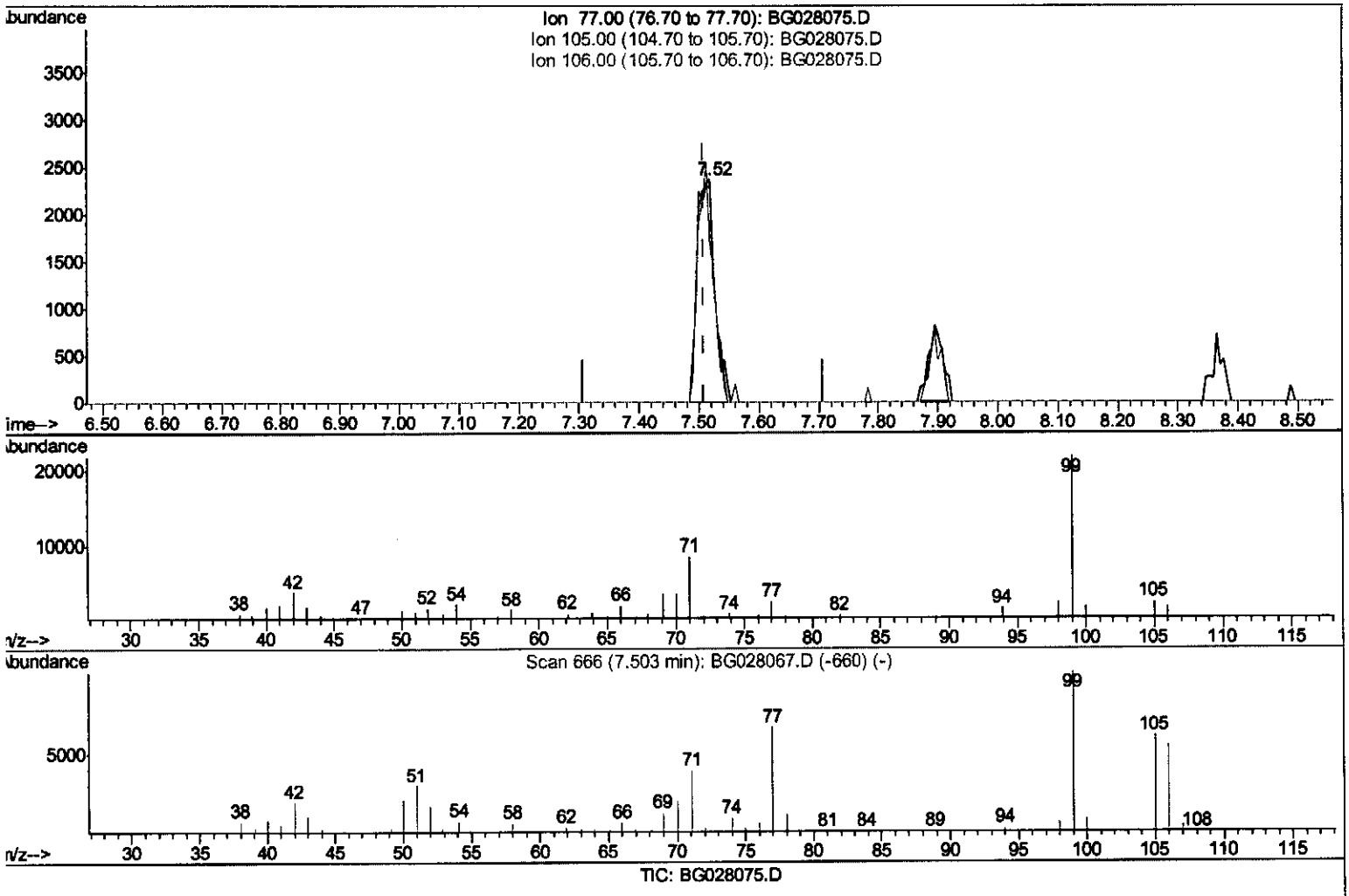
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
8/1/2017 2:55:19 PM



(4) Benzaldehyde

7.519min (+0.011) 4.51ng/ul m

response 4846

Ion	Exp%	Act%
77.00	100	100
105.00	88.80	97.08
106.00	86.90	70.74
0.00	0.00	0.00

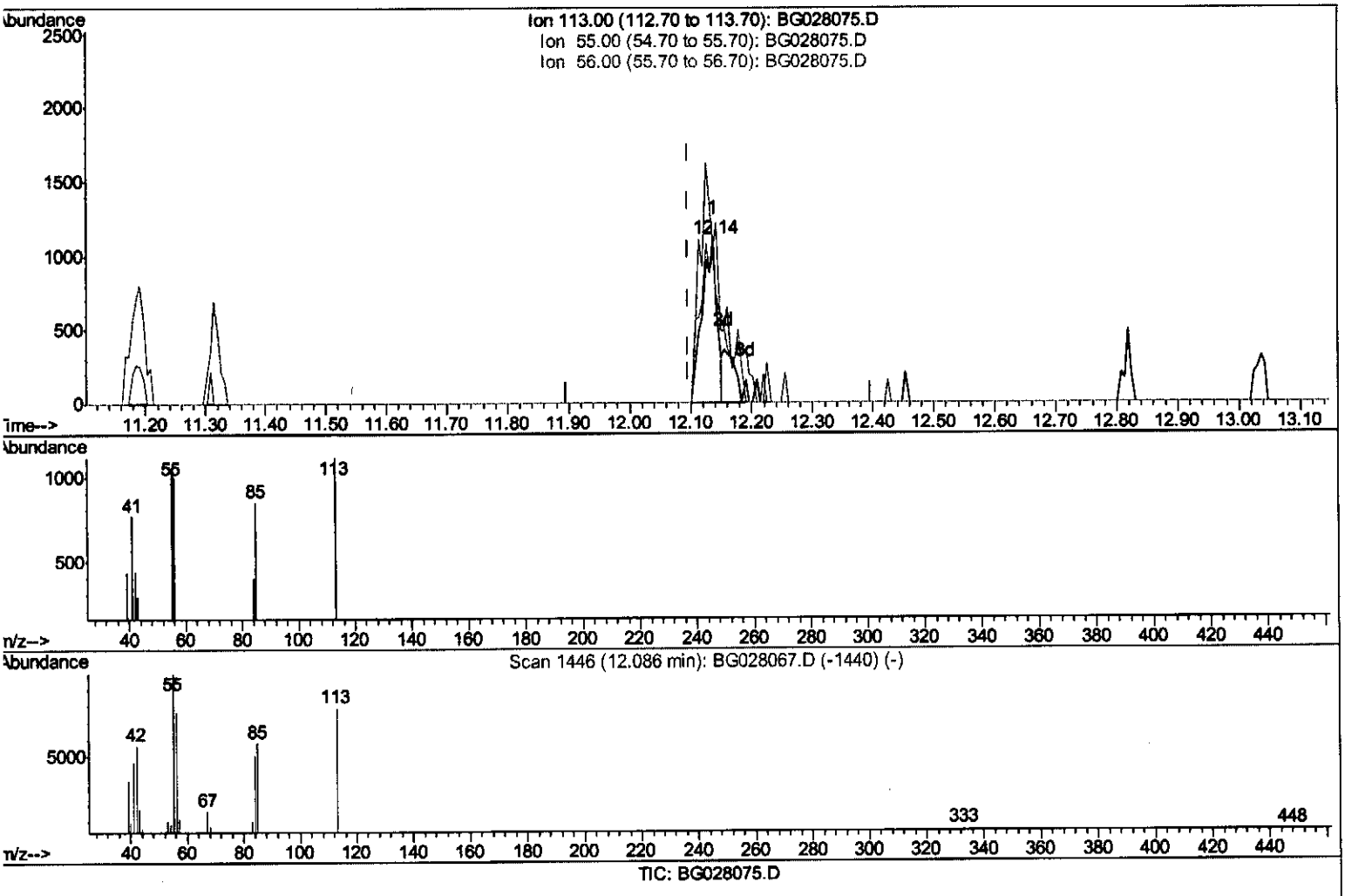
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
8/1/2017 2:55:19 PM



TIC: BG028075.D

(32) Caprolactam

12.137min (+0.040) 2.62ng/ul

response 1864

Ion	Exp%	Act%
113.00	100	100
55.00	164.60	94.35#
56.00	115.90	89.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
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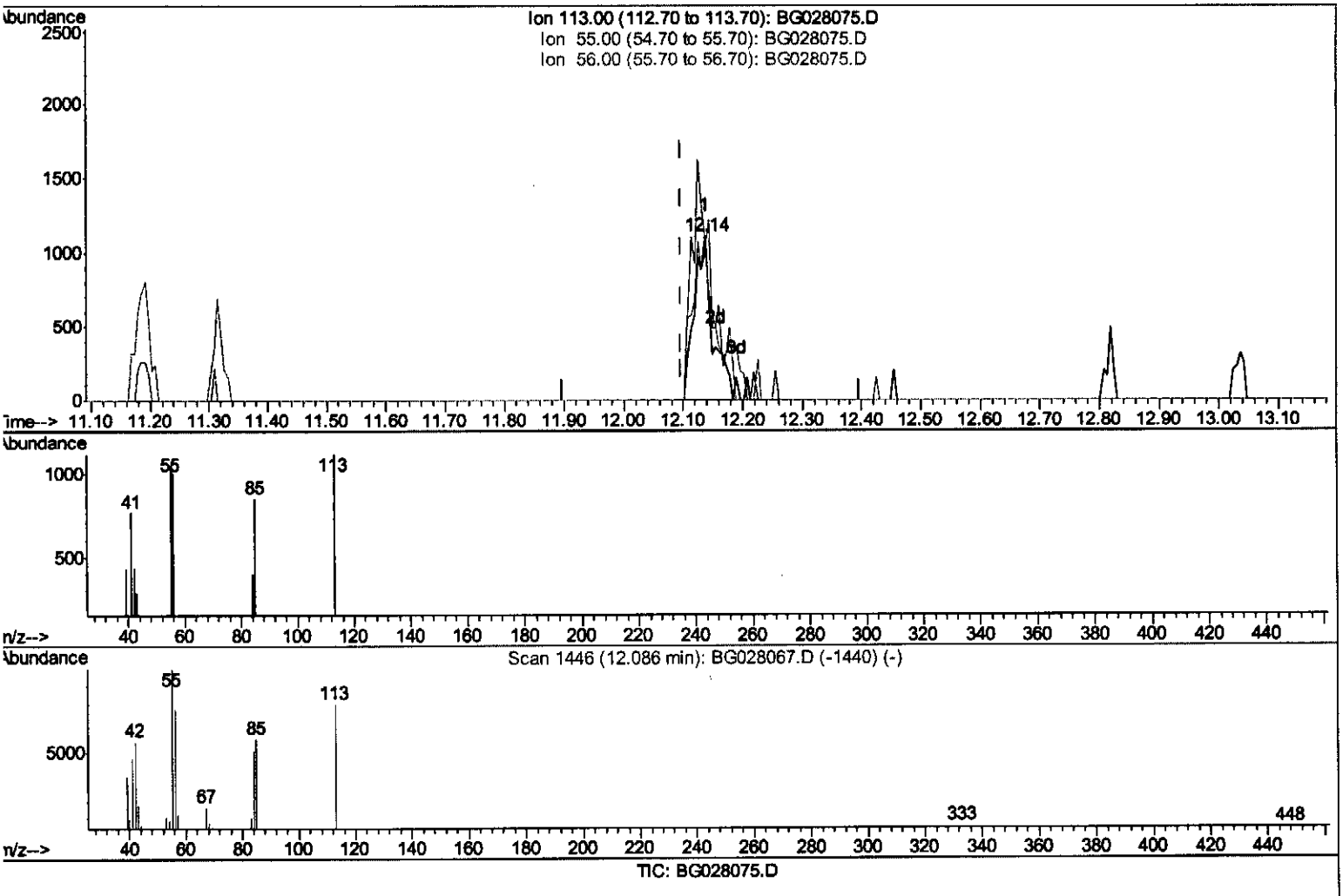

TIC: BG028075.D

(32) Caprolactam

12.137min (+0.040) 3.31ng/ul m

response 2355

Ion	Exp%	Act%
113.00	100	100
55.00	164.60	94.35#
56.00	115.90	89.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
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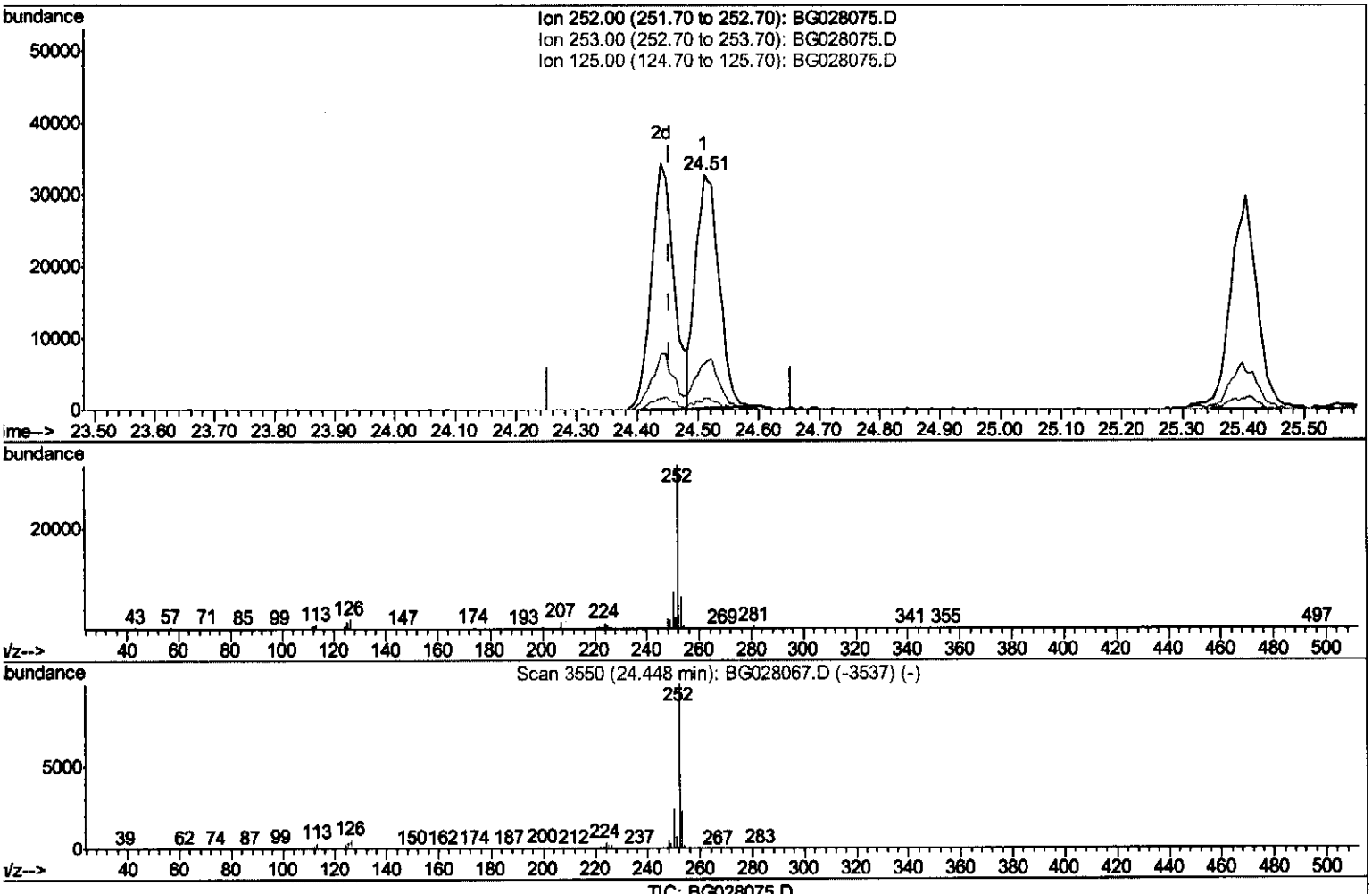

(88) Benzo(b)fluoranthene

24.510min (+0.058) 3.58ng/ul

response 86015

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	19.72
125.00	6.10	4.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
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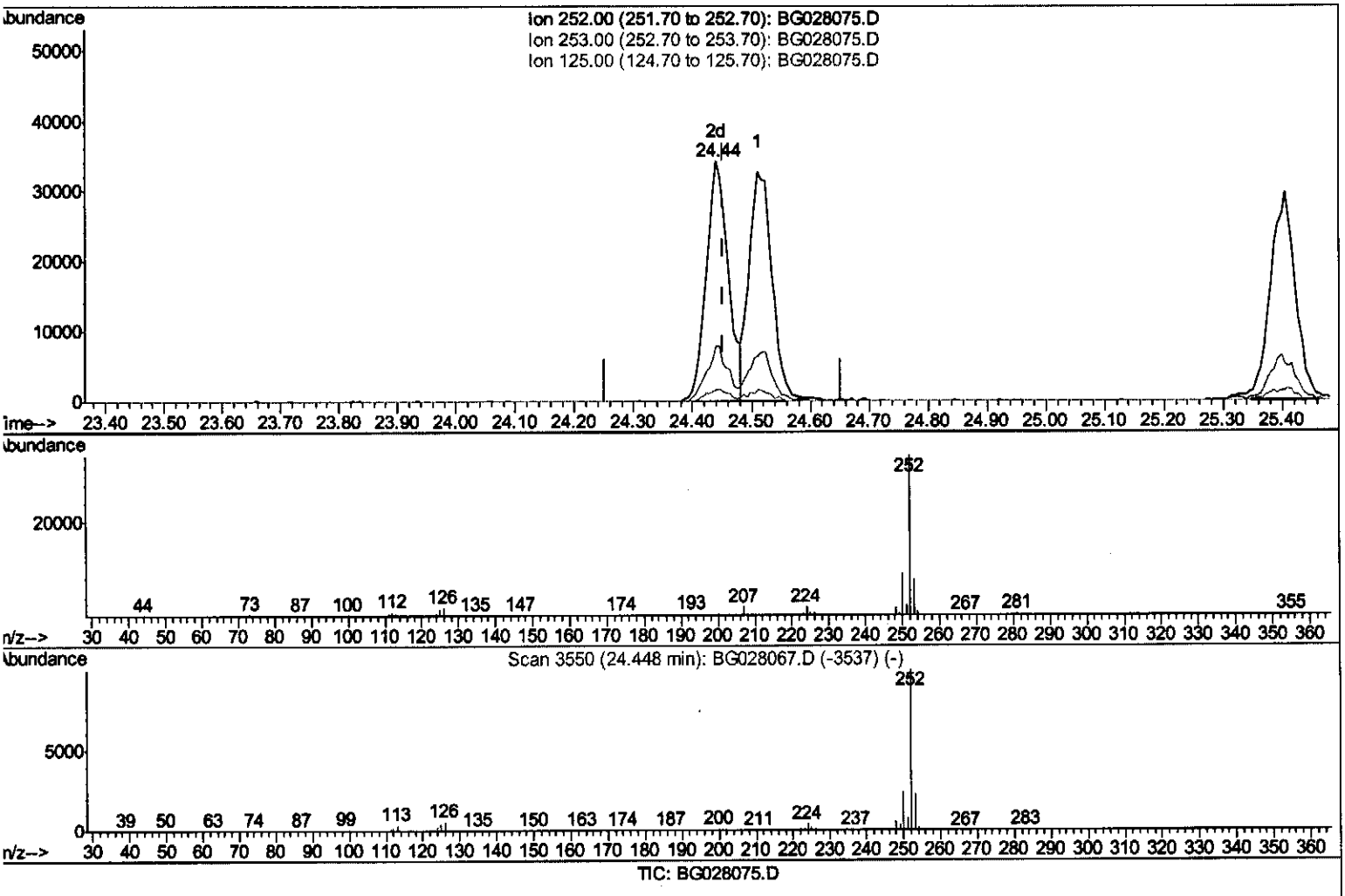

TIC: BG028075.D

(88) Benzo(b)fluoranthene

24.440min (-0.013) 3.71ng/ul m

response 89012

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.69
125.00	6.10	4.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
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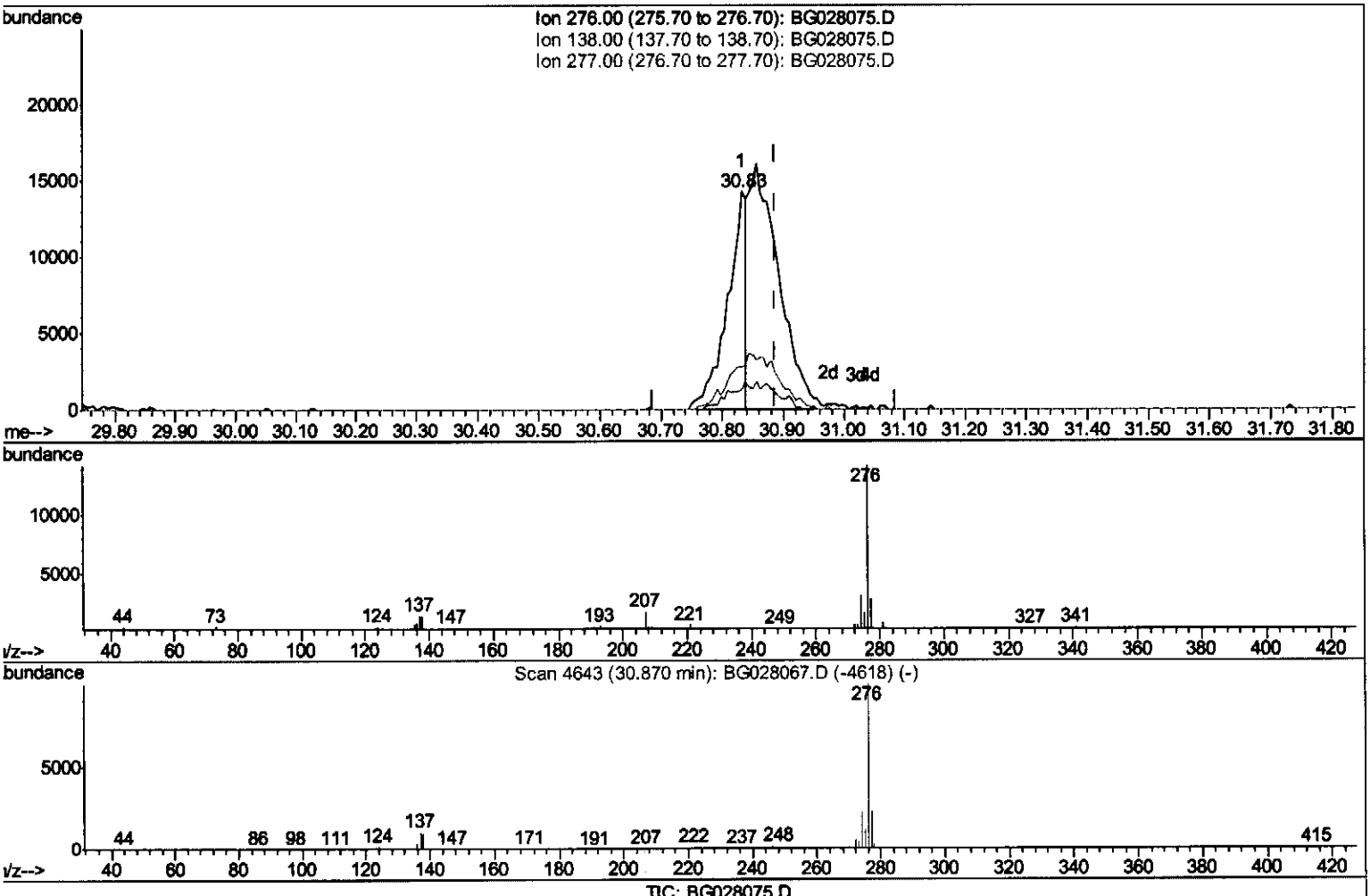

TIC: BG028075.D

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

30.832min (-0.054) 1.31ng/ul

response 30515

Ion	Exp%	Act%
276.00	100	100
138.00	14.00	9.14#
277.00	23.80	19.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:39:42 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
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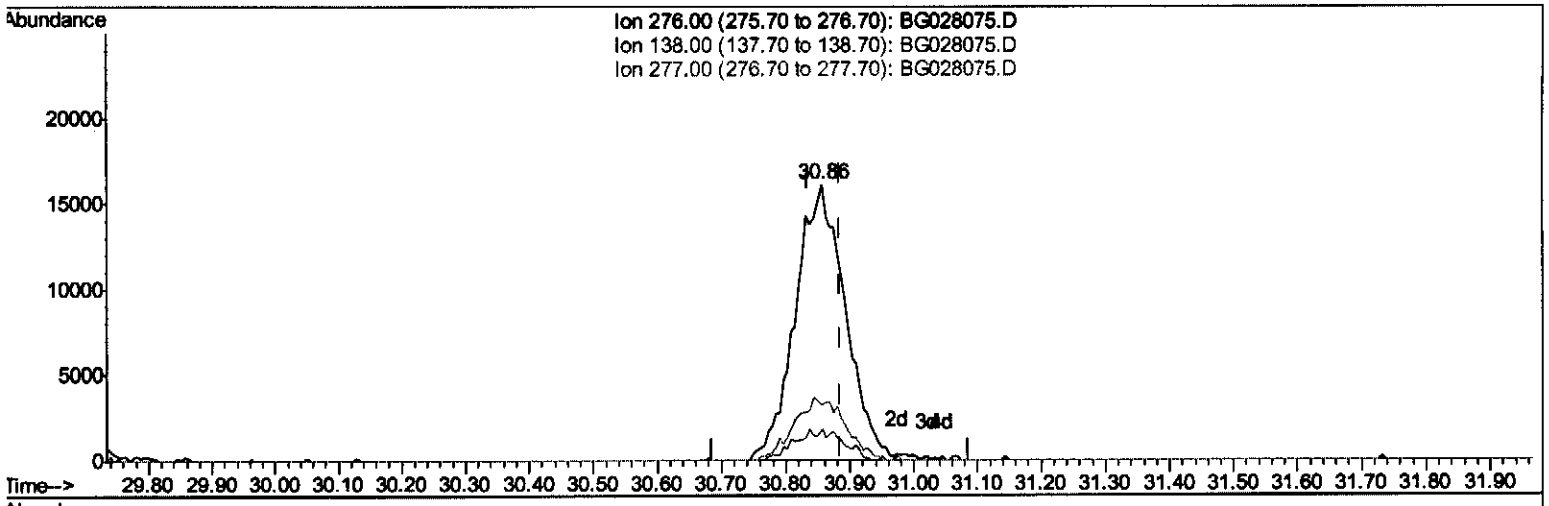

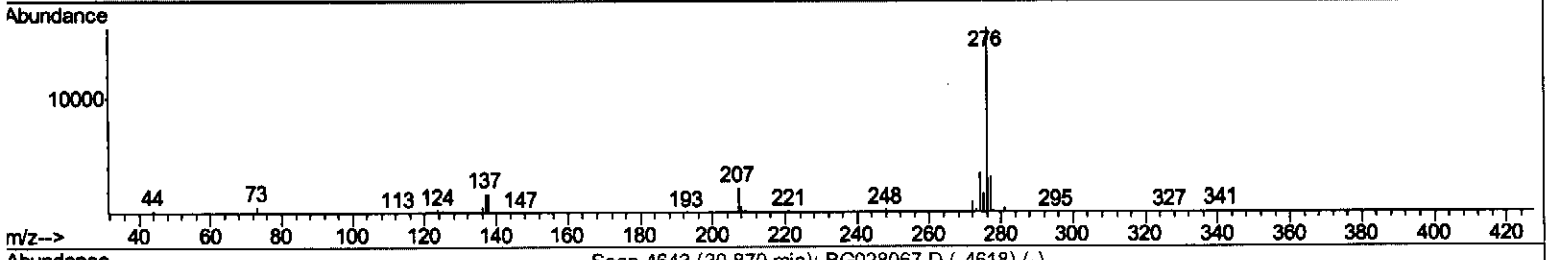

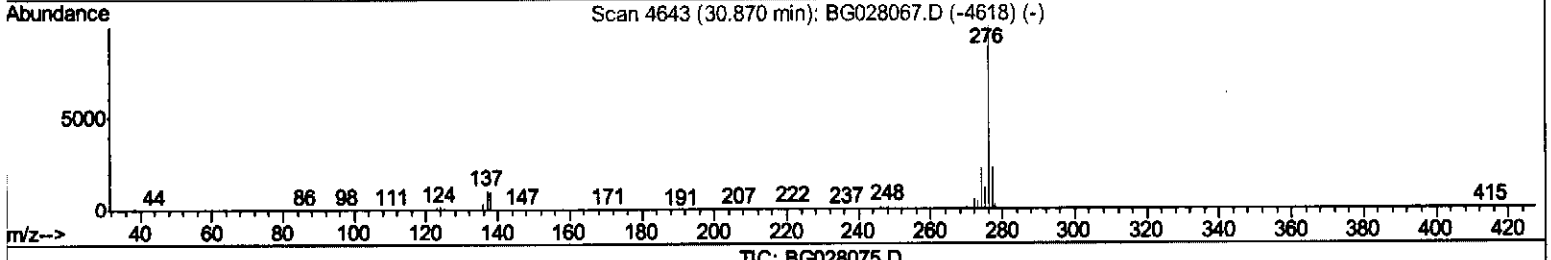

TIC: BG028075.D

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

30.856min (-0.030) 3.66ng/ul m

response 84992

Ion	Exp%	Act%
276.00	100	100
138.00	14.00	11.32
277.00	23.80	20.03
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:43:19 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : MDL-S-ML-06

Manual Integrations APPROVED
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8/1/2017 2:55:19 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	28769	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	132754	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.97	164	106891	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.72	188	325231	20.00	ng/ul	0.00
78) Chrysene-d12	22.05	240	436993	20.00	ng/ul	0.00
86) Perylene-d12	25.57	264	431353	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.85	96	2664	6.00	ng/uL	0.00
5) Phenol-d5	7.51	99	64054	29.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.68	67	34849	32.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	58561	31.97	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	59429	30.64	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	31120	33.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.26	143	39331	33.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	70782	30.43	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	88681	37.80	ng/ul	0.00
44) Dimethylphthalate-d6	14.36	166	330466	34.16	ng/ul	0.00
47) Acenaphthylene-d8	14.67	160	333579	31.87	ng/ul	0.00
52) 4-Nitrophenol-d4	15.15	143	43612	30.01	ng/ul	0.00
58) Fluorene-d10	15.96	176	295252	33.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.07	200	67981	29.35	ng/ul	0.00
71) Anthracene-d10	17.82	188	517975	33.26	ng/ul	0.00
79) Pyrene-d10	20.10	212	654971	33.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.33	264	659585	33.24	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.89	88	726m	1.525	ng/uL	
4) Benzaldehyde	7.52	77	4846m	4.507	ng/ul	
6) Phenol	7.54	94	7150	3.393	ng/ul#	84
8) Bis(2-Chloroethyl)ether	7.78	93	5371	3.600	ng/ul#	83
10) 2-Chlorophenol	7.93	128	6193	3.670	ng/ul	91
11) 2-Methylphenol	8.80	108	5664	3.447	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.89	45	6820	3.482	ng/ul#	87
14) Acetophenone	9.19	105	10807	3.835	ng/ul	97
15) N-Nitroso-di-n-propylamine	9.16	70	5398	4.080	ng/ul#	90
16) 4-Methylphenol	9.12	108	6991	3.835	ng/ul	100
17) Hexachloroethane	9.45	117	2638	3.908	ng/ul#	83
20) Nitrobenzene	9.58	77	7042	3.534	ng/ul#	80
21) Isophorone	10.09	82	14765	3.878	ng/ul#	92
23) 2-Nitrophenol	10.29	139	4546	3.992	ng/ul	94
24) 2,4-Dimethylphenol	10.33	107	8245	3.620	ng/ul#	84
25) Bis(2-Chloroethoxy)methane	10.57	93	8503	3.844	ng/ul#	93
27) 2,4-Dichlorophenol	10.83	162	8339	3.762	ng/ul#	90
28) Naphthalene	11.24	128	22893	3.821	ng/ul	97
30) 4-Chloroaniline	11.34	127	6805	3.048	ng/ul	94
31) Hexachlorobutadiene	11.51	225	7201	3.755	ng/ul	91
32) Caprolactam	12.14	113	2355m	3.311	ng/ul	
33) 4-Chloro-3-methylphenol	12.44	107	7956	3.684	ng/ul	98
34) 2-Methylnaphthalene	12.82	142	20011	3.870	ng/ul	98

JDU 08/4/17

JDU 8/6/17

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:43:19 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
8/1/2017 2:55:19 PM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	13.04	142	19726	3.934 ng/ul	94
37) 1,2,4,5-Tetrachlorobenzene	13.18	216	15600	3.788 ng/ul#	91
38) Hexachlorocyclopentadiene	13.15	237	5293	2.192 ng/ul#	82
39) 2,4,6-Trichlorophenol	13.41	196	7919	3.222 ng/ul#	84
40) 2,4,5-Trichlorophenol	13.49	196	9025	3.456 ng/ul	91
41) 1,1'-Biphenyl	13.81	154	29054	3.740 ng/ul	98
42) 2-Chloronaphthalene	13.86	162	23703	3.783 ng/ul	95
43) 2-Nitroaniline	14.06	65	4949	3.351 ng/ul	98
45) Dimethylphthalate	14.41	163	36328	4.099 ng/ul#	97
46) 2,6-Dinitrotoluene	14.54	165	6747	3.793 ng/ul#	76
48) Acenaphthylene	14.70	152	38503	3.882 ng/ul	95
49) 3-Nitroaniline	14.87	138	5458	3.692 ng/ul#	80
50) Acenaphthene	15.04	153	25742	3.790 ng/ul	95
51) 2,4-Dinitrophenol	15.09	184	2206	1.943 ng/ul#	90
53) 4-Nitrophenol	15.17	109	4680	3.960 ng/ul	86
54) Dibenzofuran	15.37	168	41510	4.020 ng/ul#	86
55) 2,4-Dinitrotoluene	15.32	165	10659	4.012 ng/ul	91
56) 2,3,4,6-Tetrachlorophenol	15.59	232	9207	3.311 ng/ul#	90
57) Diethylphthalate	15.76	149	34864	3.747 ng/ul	98
59) Fluorene	16.01	166	34594	3.861 ng/ul	93
60) 4-Chlorophenyl-phenylether	16.00	204	20835	3.893 ng/ul	98
61) 4-Nitroaniline	16.04	138	6389	3.638 ng/ul	91
64) 4,6-Dinitro-2-methylphenol	16.09	198	7971	3.592 ng/ul#	83
65) N-Nitrosodiphenylamine	16.21	169	28809	3.509 ng/ul	96
66) 4-Bromophenyl-phenylether	16.90	248	14853	3.552 ng/ul	94
67) Hexachlorobenzene	17.03	284	18053	3.796 ng/ul#	91
68) Atrazine	17.15	200	12880	3.288 ng/ul	98
69) Pentachlorophenol	17.37	266	5384	2.168 ng/ul	91
70) Phenanthrene	17.77	178	61942	3.831 ng/ul	98
72) Anthracene	17.85	178	63947	3.798 ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	13.78	216	15806	3.484 ng/uL	97
74) Pentachlorobenzene	15.29	250	24214	3.592 ng/uL	95
75) Carbazole	18.12	167	50724	3.679 ng/ul	99
76) Di-n-butylphthalate	18.65	149	55009	3.593 ng/ul	100
77) Fluoranthene	19.76	202	80653	3.903 ng/ul#	93
80) Pyrene	20.12	202	91325	4.026 ng/ul#	94
81) Butylbenzylphthalate	20.99	149	22208	3.295 ng/ul#	92
82) 3,3'-Dichlorobenzidine	21.94	252	25579	3.199 ng/ul#	92
83) Benzo(a)anthracene	22.03	228	90986	3.920 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.90	149	31567	3.201 ng/ul	93
85) Chrysene	22.11	228	85706	4.036 ng/ul	97
87) Di-n-octyl phthalate	23.21	149	53190	3.128 ng/ul	100
88) Benzo(b)fluoranthene	24.44	252	89012m	3.707 ng/ul	
89) Benzo(k)fluoranthene	24.51	252	86015	3.674 ng/ul#	96
91) Benzo(a)pyrene	25.40	252	88023	3.809 ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	29.60	276	100567	3.586 ng/ul#	89
93) Dibenzo(a,h)anthracene	29.65	278	86943	3.615 ng/ul#	91
94) Benzo(g,h,i)perylene	30.86	276	84992m	3.656 ng/ul	

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073117\
Data File : BG028075.D
Acq On : 31 Jul 2017 18:04
Operator : SJ/JU
Sample : MDL-S-ML-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 18:43:19 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-S-ML-06

Manual Integrations APPROVED
Sohil
8/1/2017 2:55:19 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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