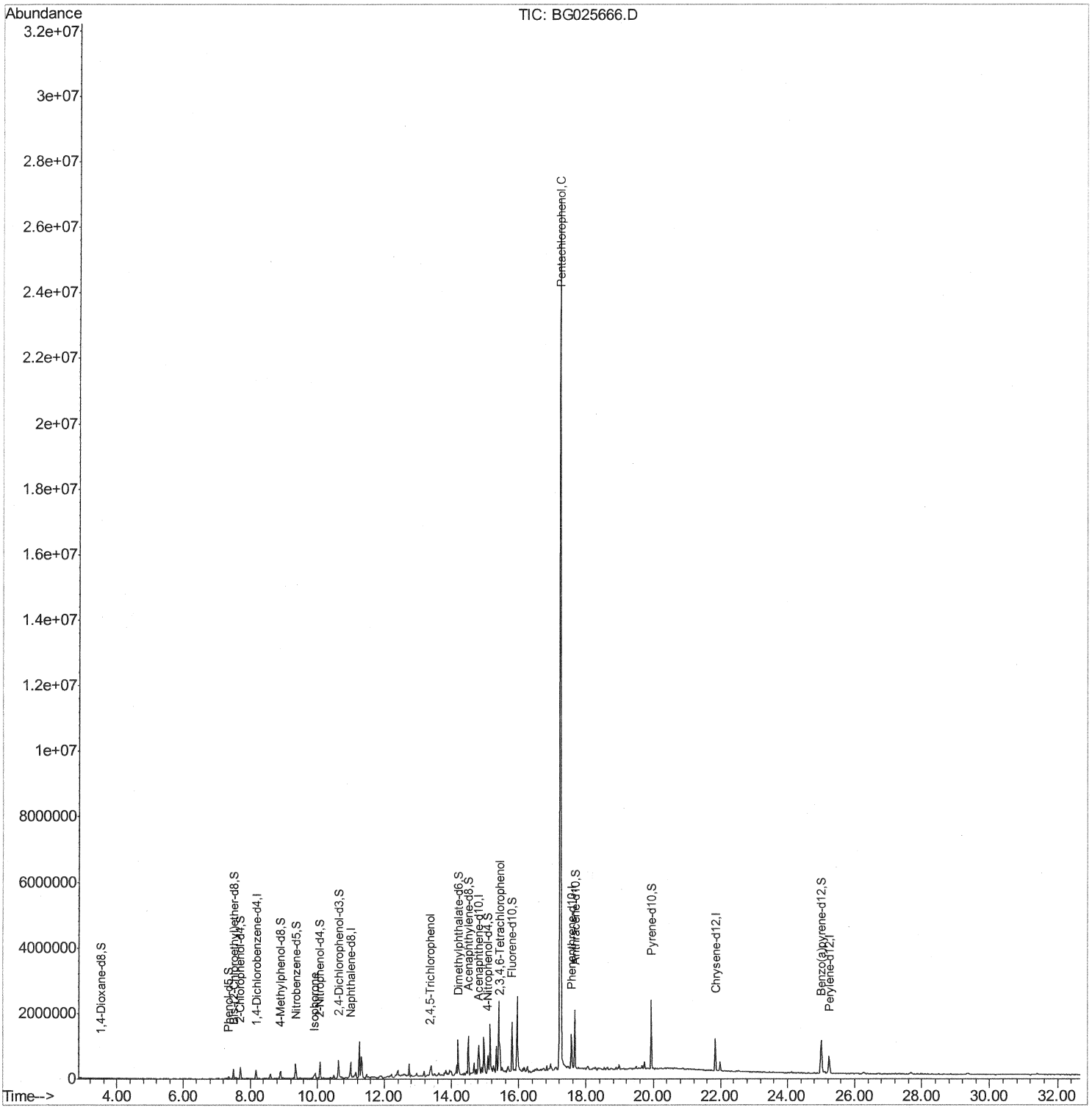
Data Path : Z:\HPCHEM1\BNA_G\Data\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 10:19:06 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 03:37:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
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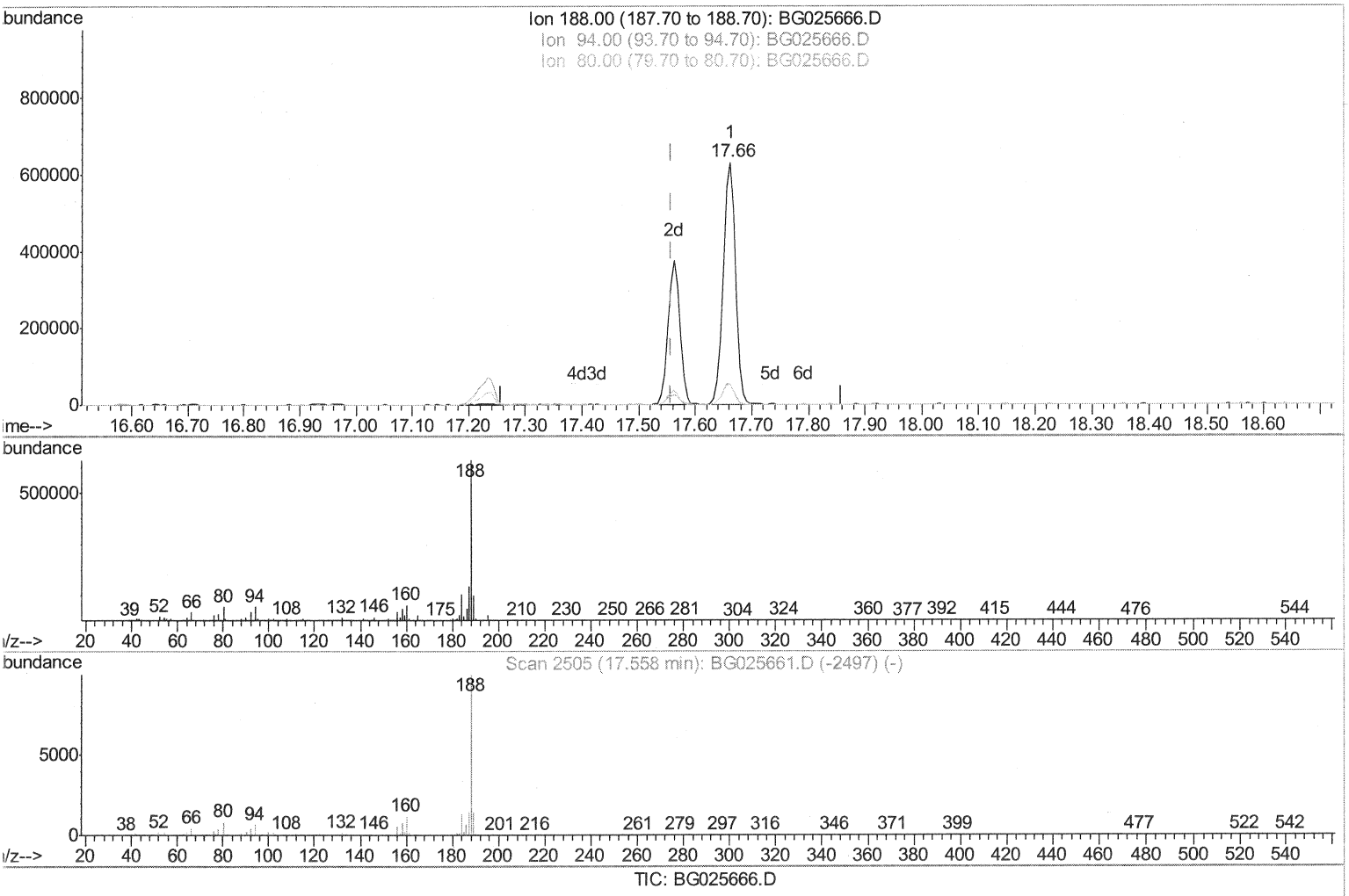


TIC: BG025666.D

(61) Phenanthrene-d10 (I)

17.662min (+0.104) 20.00ng/ul

response 960544

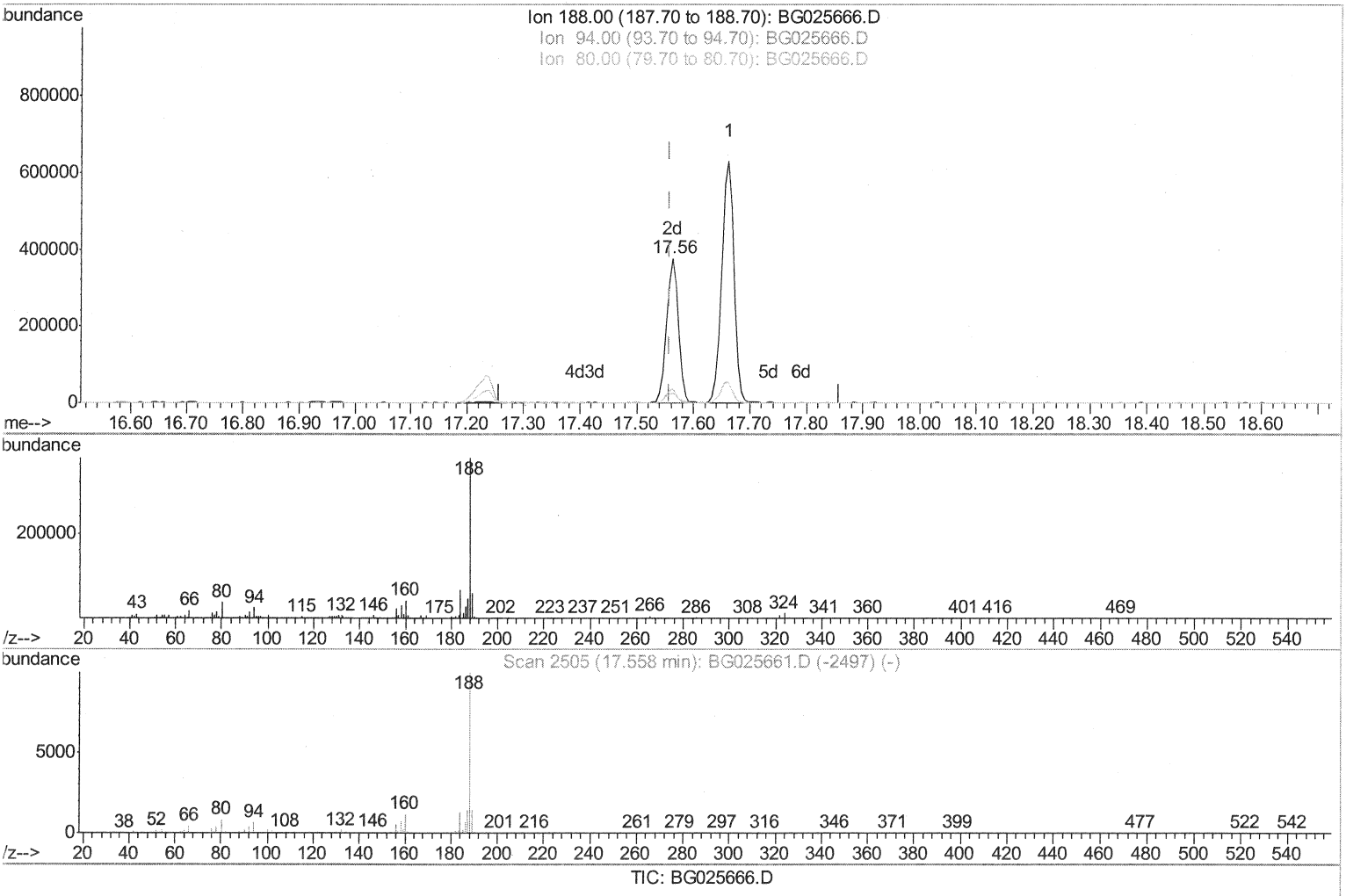
Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.74
80.00	9.50	8.80
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 03:37:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



TIC: BG025666.D

(61) Phenanthrene-d10 (I)

17.562min (+0.004) 20.00ng/ul m SJ 1/27/17

response 555002

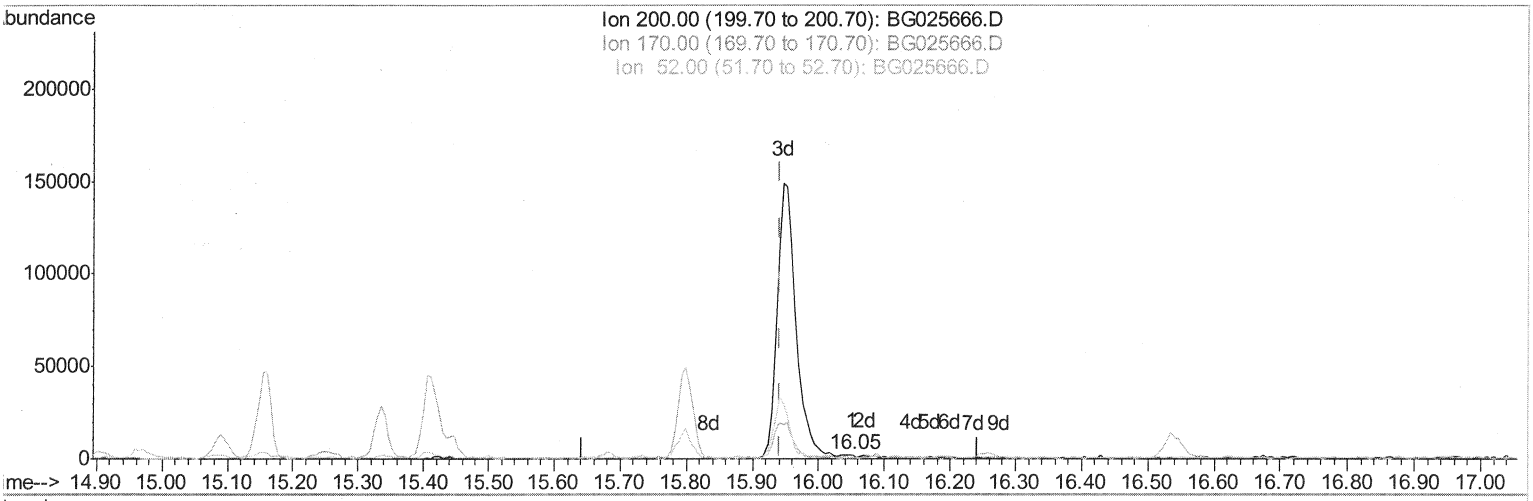
Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.59#
80.00	9.50	10.18
0.00	0.00	0.00

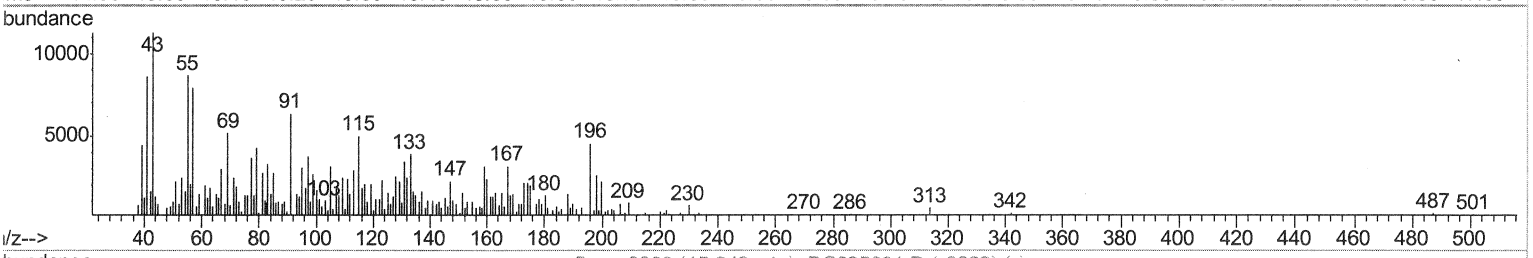
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

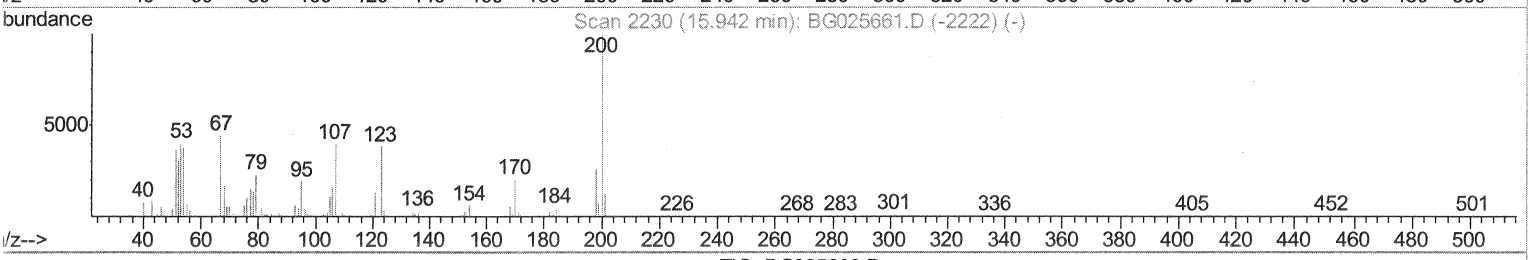
Quant Time: Jan 27 04:03:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM







TIC: BG025666.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.052min (+0.110) 0.91ng/ul

response 3099

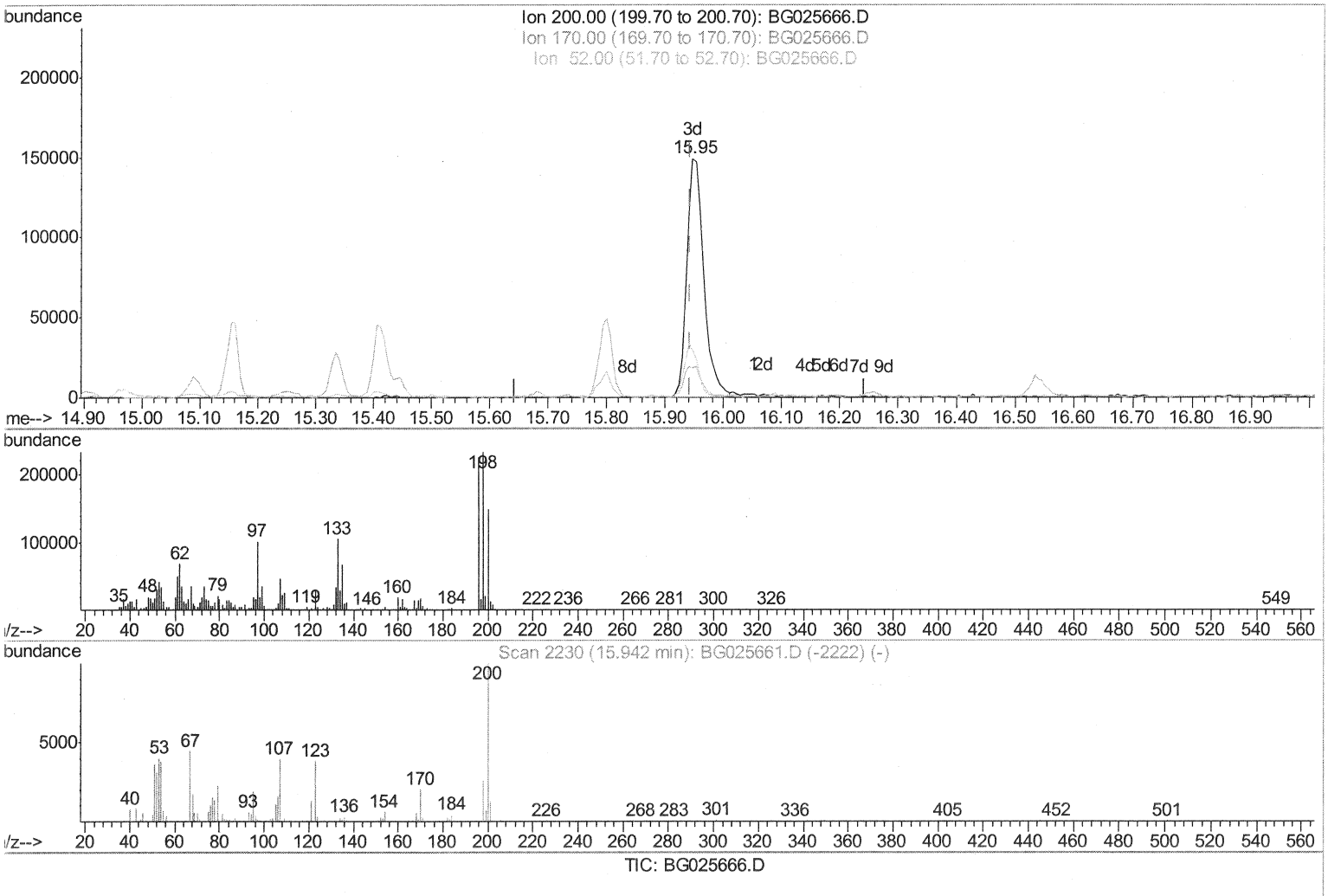
Ion	Exp%	Act%
200.00	100	100
170.00	23.20	16.96#
52.00	47.20	38.81
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:03:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



TIC: BG025666.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.946min (+0.004) 87.28ng/ul m SJ 1/27/17

response 298779

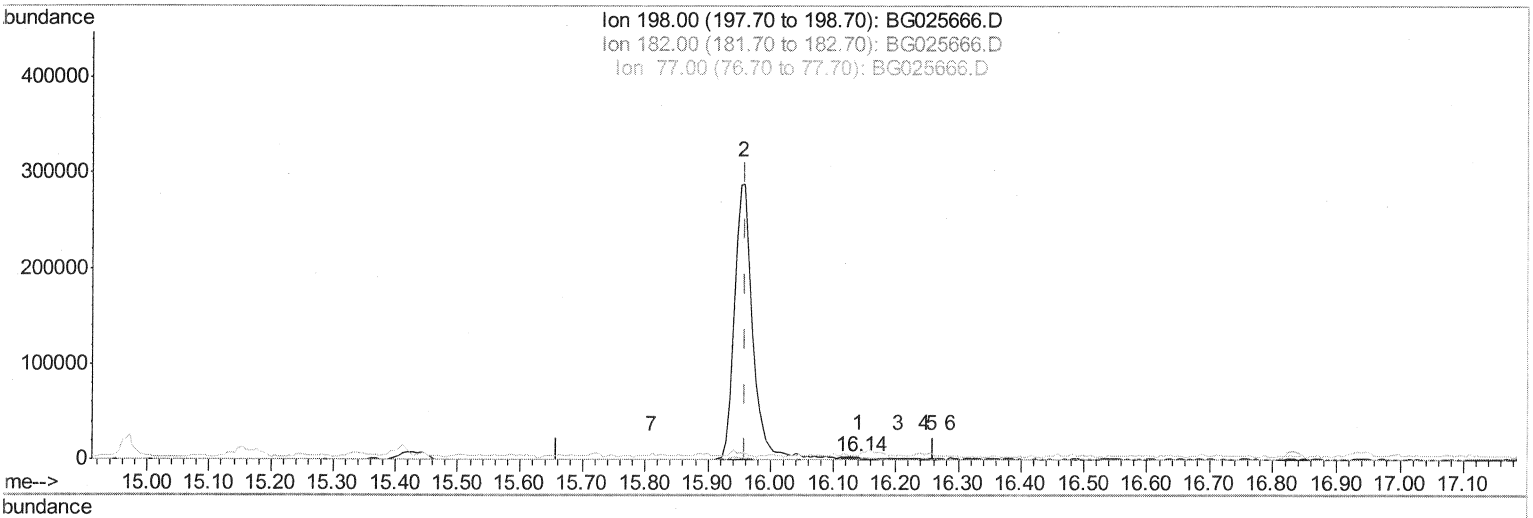
Ion	Exp%	Act%
200.00	100	100
170.00	23.20	12.45#
52.00	47.20	20.08#
0.00	0.00	0.00

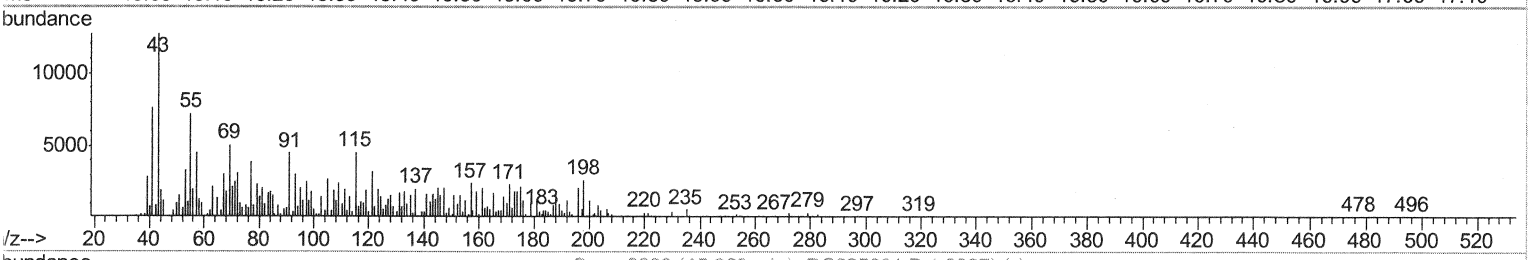
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

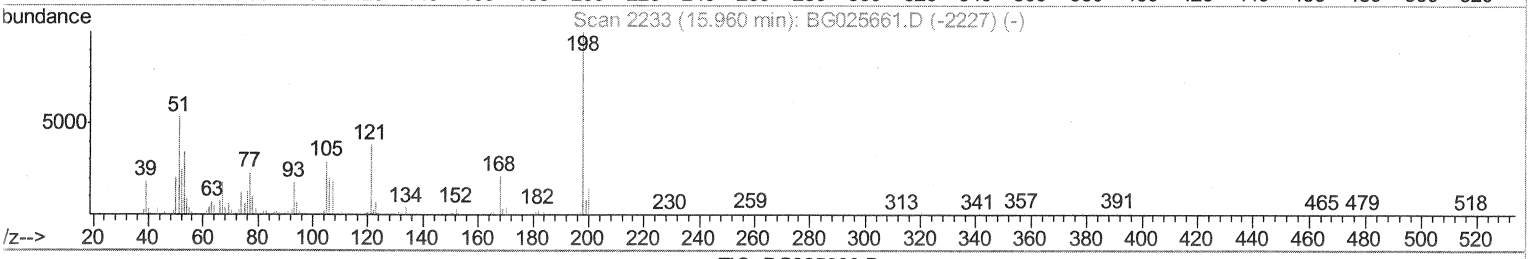
Quant Time: Jan 27 04:03:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM







TIC: BG025666.D

(63) 4,6-Dinitro-2-methylphenol

16.140min (+0.180) 1.07ng/ul

response 3768

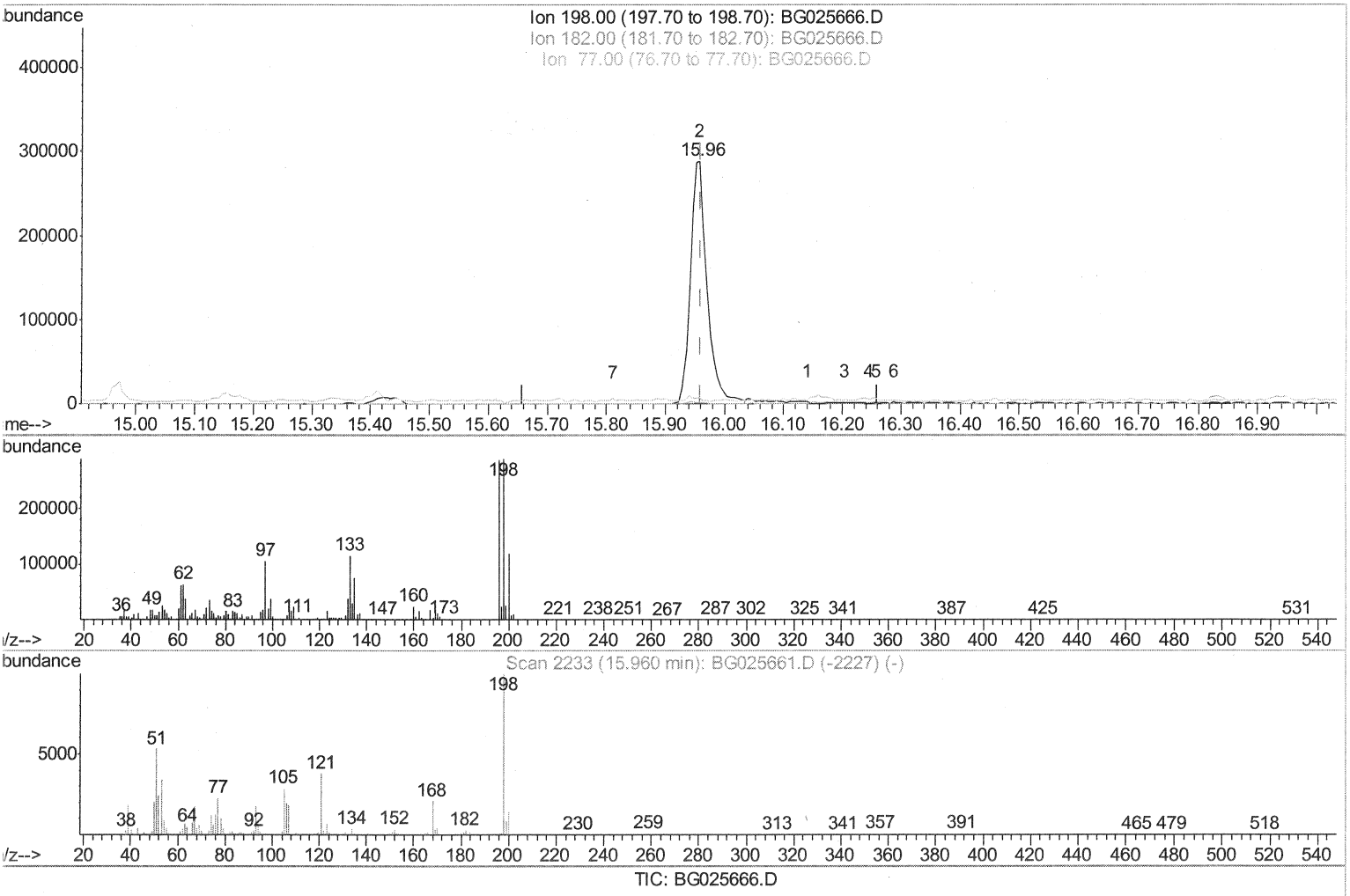
Ion	Exp%	Act%
198.00	100	100
182.00	6.10	18.46#
77.00	28.00	147.25#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:03:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



TIC: BG025666.D

(63) 4,6-Dinitro-2-methylphenol

15.958min (-0.002) 162.64ng/ul m SJ 1/27/17

response 573967

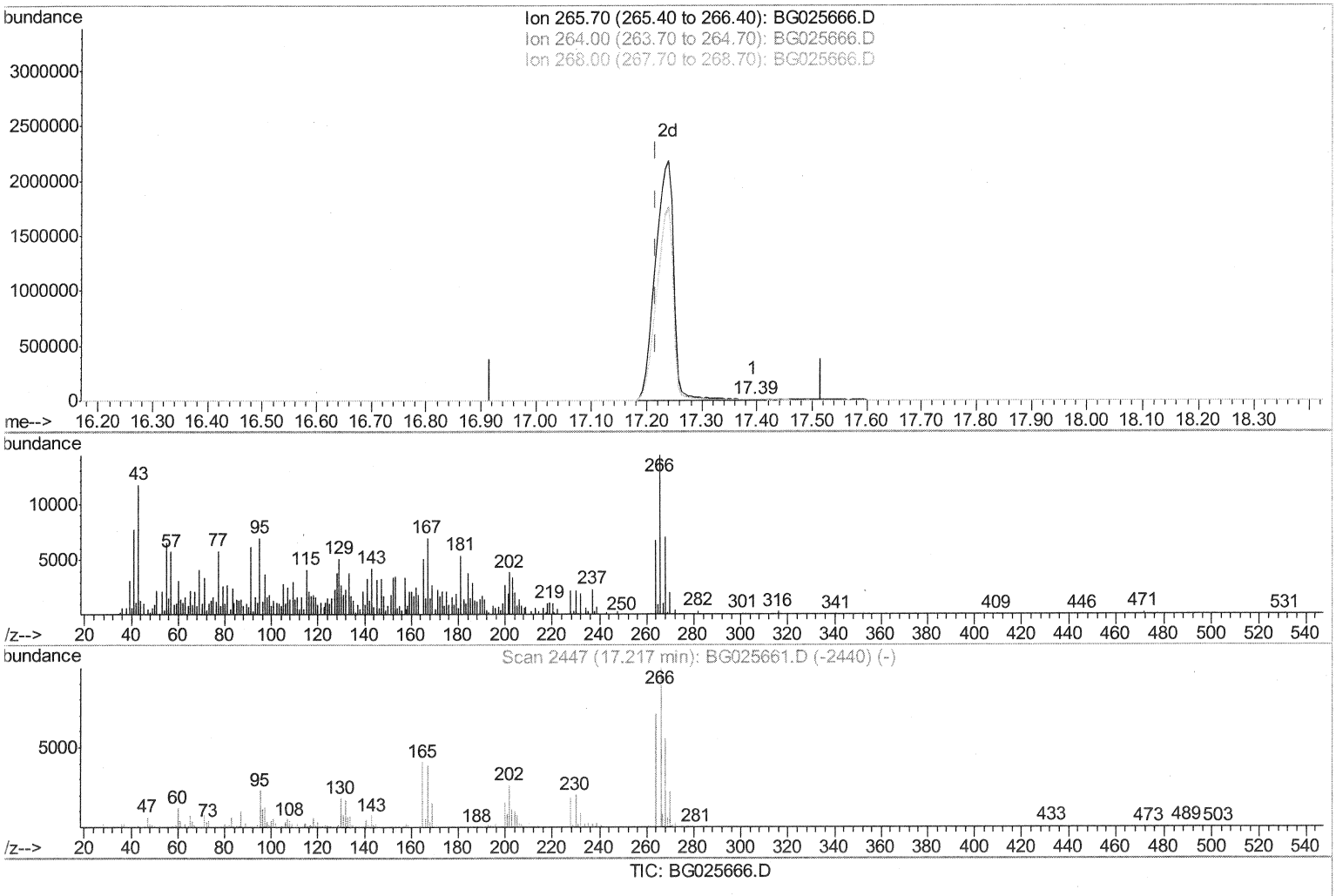
Ion	Exp%	Act%
198.00	100	100
182.00	6.10	0.41#
77.00	28.00	2.59#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:03:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



TIC: BG025666.D

(68) Pentachlorophenol (C)

17.392min (+0.174) 3.24ng/ul

response 9855

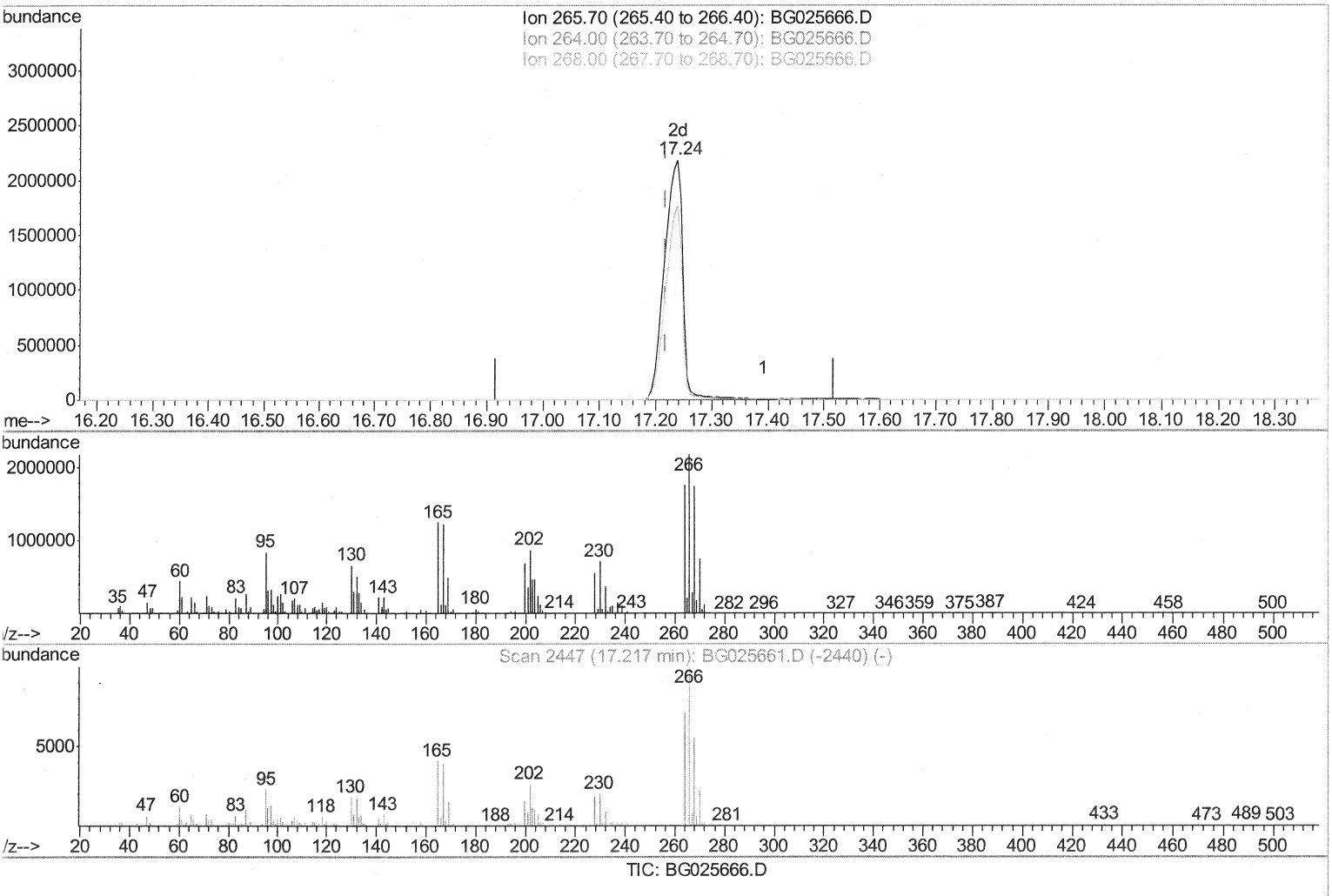
Ion	Exp%	Act%
265.70	100	100
264.00	58.90	47.33
268.00	70.30	49.43#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:03:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



TIC: BG025666.D

(68) Pentachlorophenol (C)

17.239min (+0.022) 1661.21ng/ul m SJ 1/27/17

response 5057996

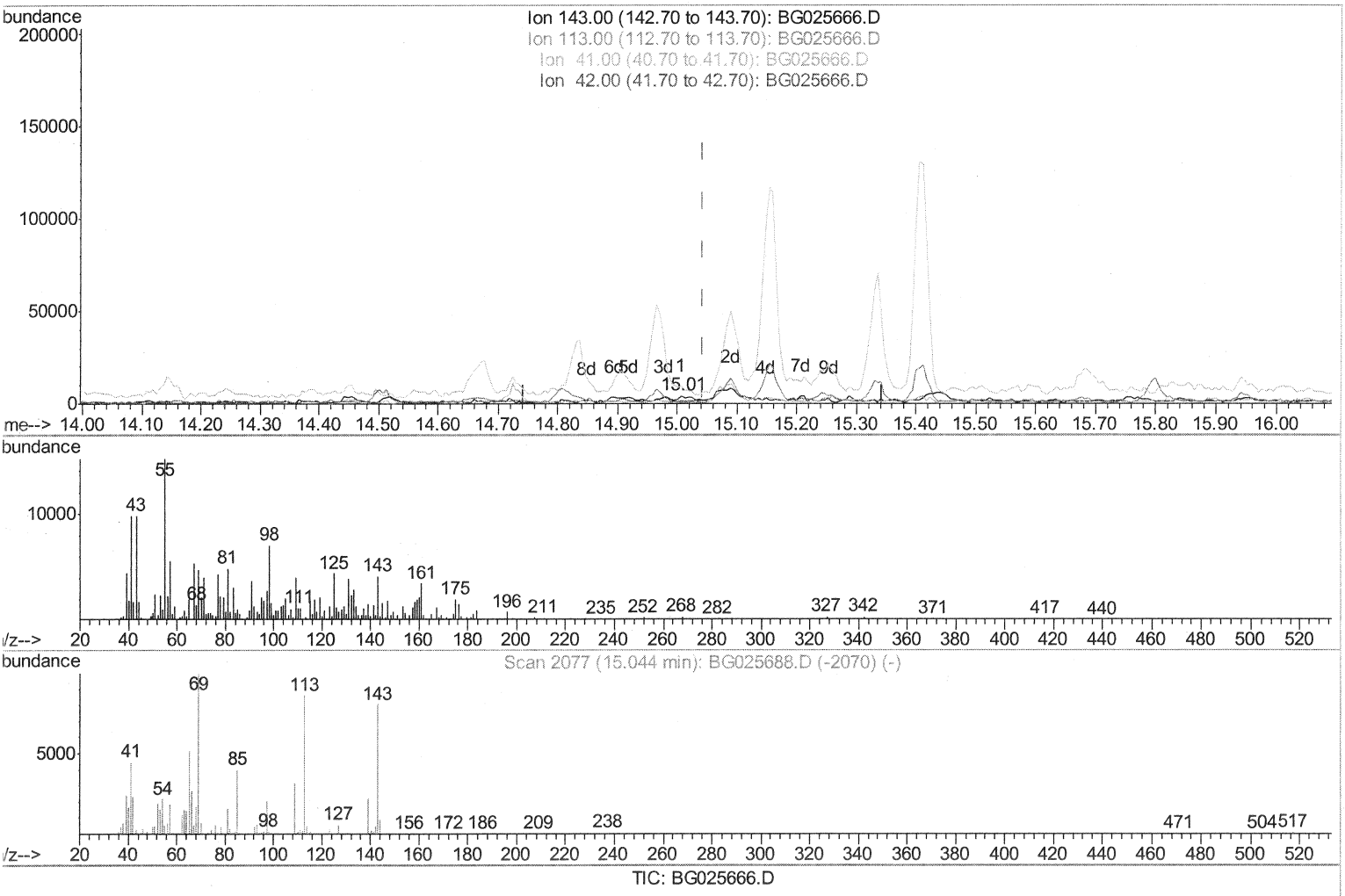
Ion	Exp%	Act%
265.70	100	100
264.00	58.90	80.93#
268.00	70.30	80.18
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:04:58 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



TIC: BG025666.D

(51) 4-Nitrophenol-d4 (S)

15.006min (-0.037) 1.58ng/ul

response 4024

Ion	Exp%	Act%
143.00	100	100
113.00	117.30	9.35#
41.00	58.00	233.20#
42.00	42.20	43.14

Data Path : Z:\HPCHEM1\BNA_G\Data\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:04:58 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
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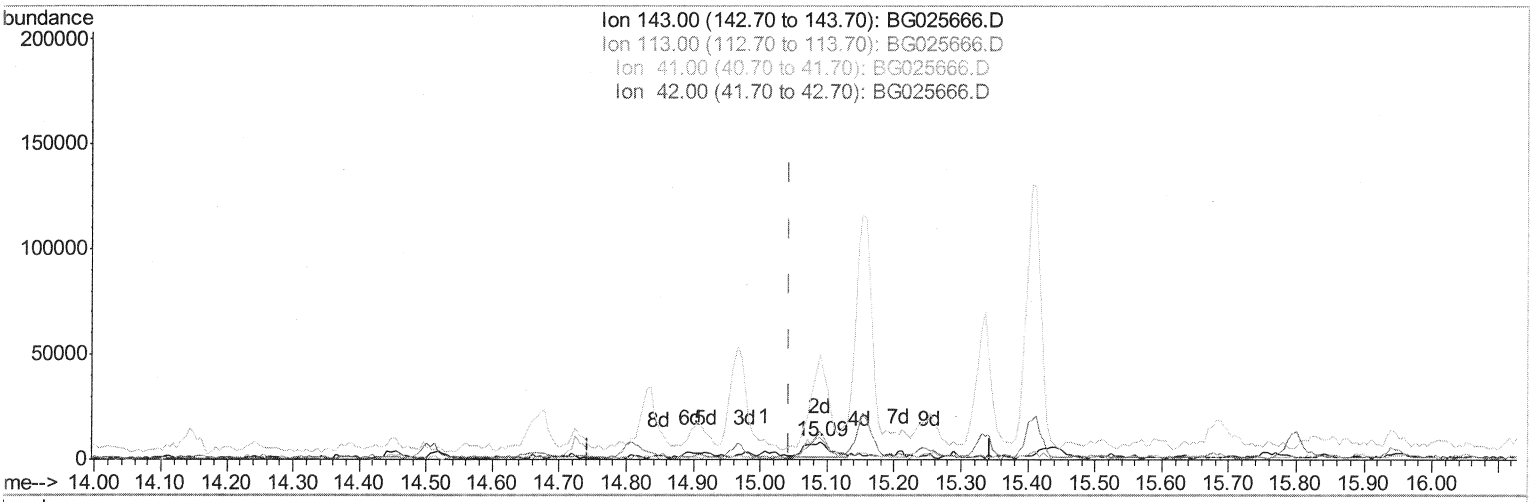
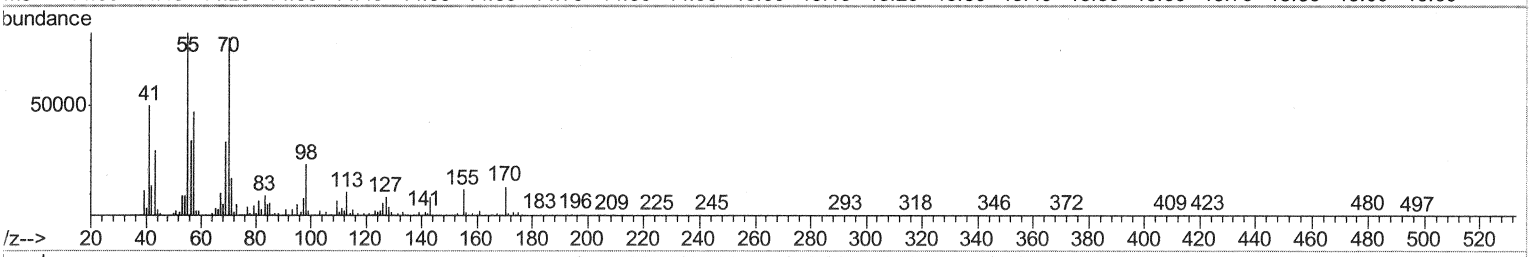
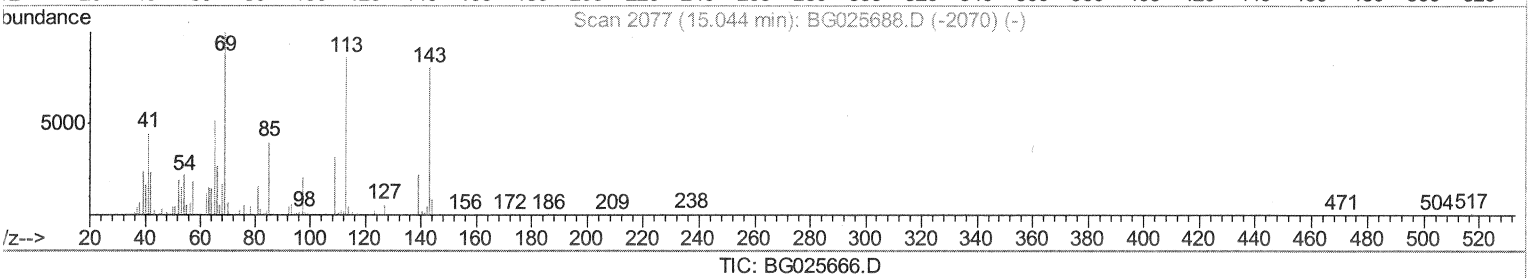






TIC: BG025666.D

(51) 4-Nitrophenol-d4 (S)

15.088min (+0.045) 7.62ng/ul m SJ 1/27/17

response 19472

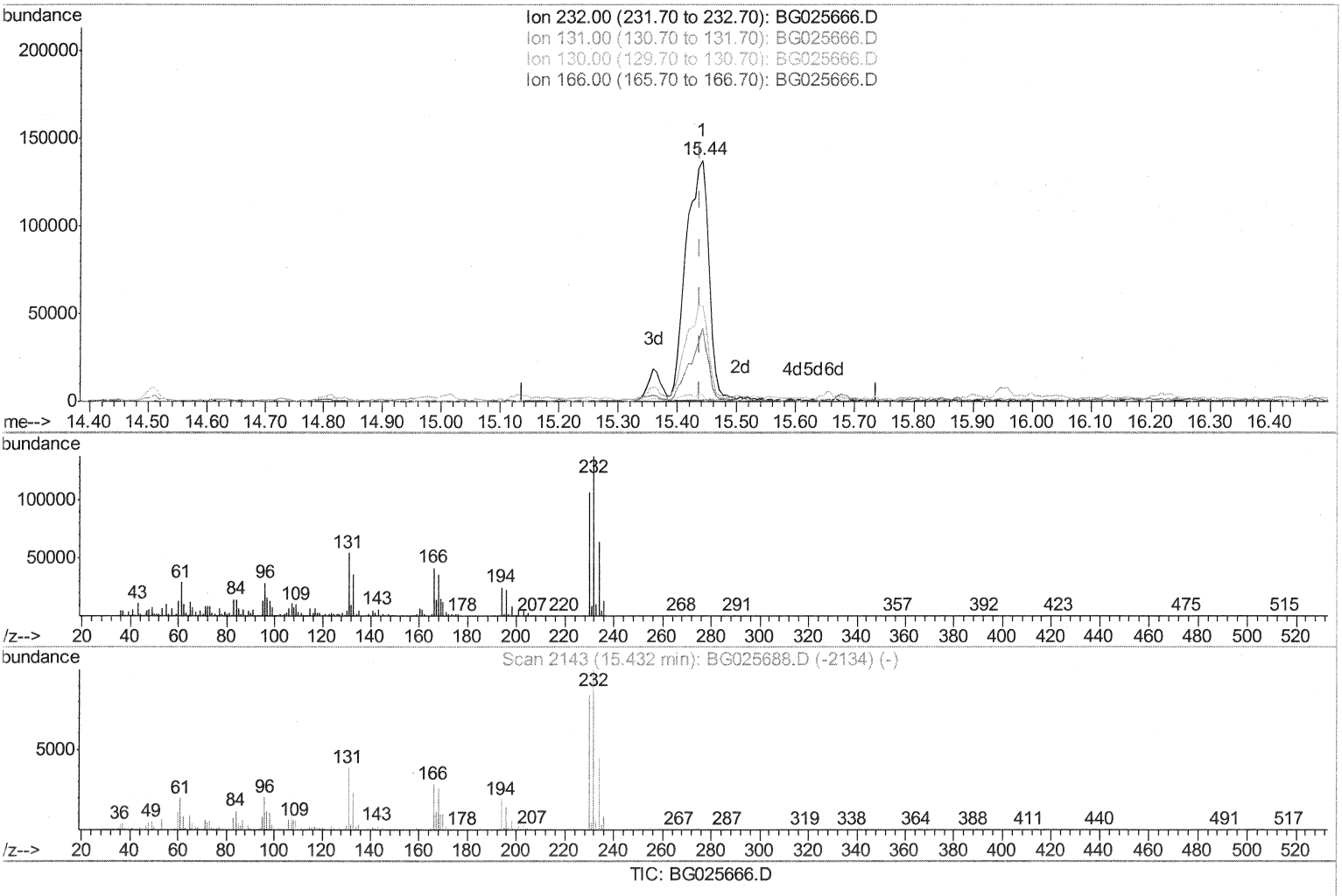
Ion	Exp%	Act%
143.00	100	100
113.00	117.30	125.16
41.00	58.00	582.00#
42.00	42.20	158.88#

Data Path : Z:\HPCHEM1\BNA_G\Data\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:04:58 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
mohammad
1/27/2017 3:05:30 PM



TIC: BG025666.D

(55) 2,3,4,6-Tetrachlorophenol

15.441min (+0.004) 67.82ng/ul

response 362114

Ion	Exp%	Act%
232.00	100	100
131.00	41.60	39.76
130.00	2.20	3.29#
166.00	27.40	30.55

Data Path : Z:\HPCHEM1\BNA_G\Data\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 04:04:58 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA9R4

Manual Integrations APPROVED
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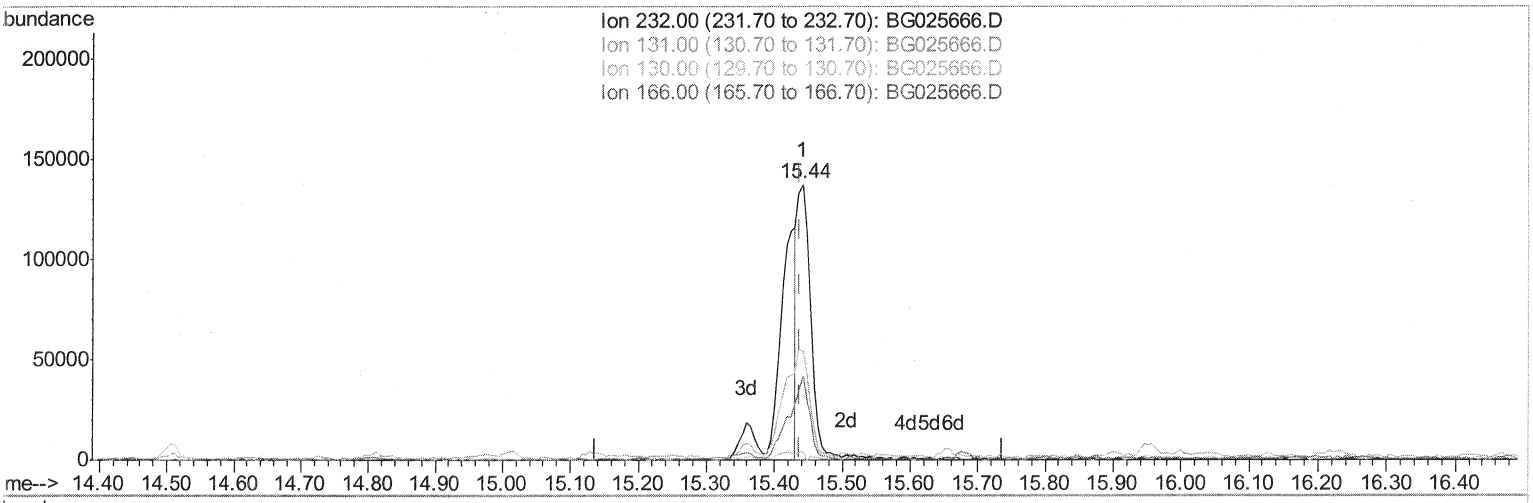

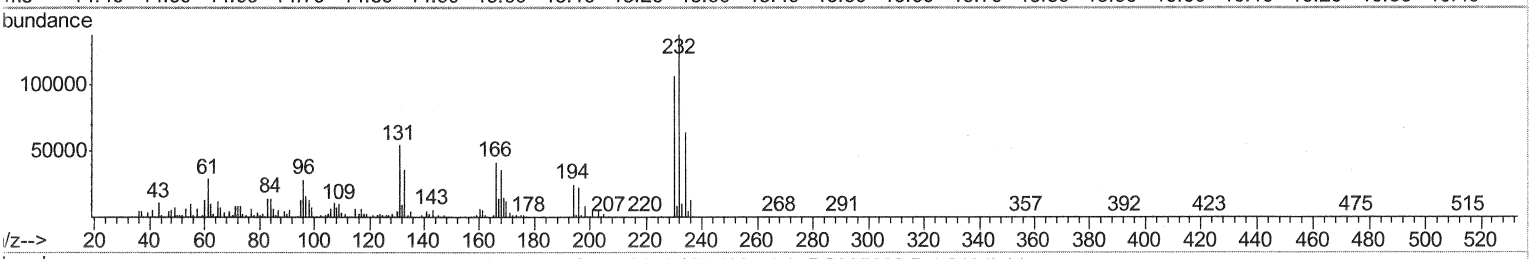

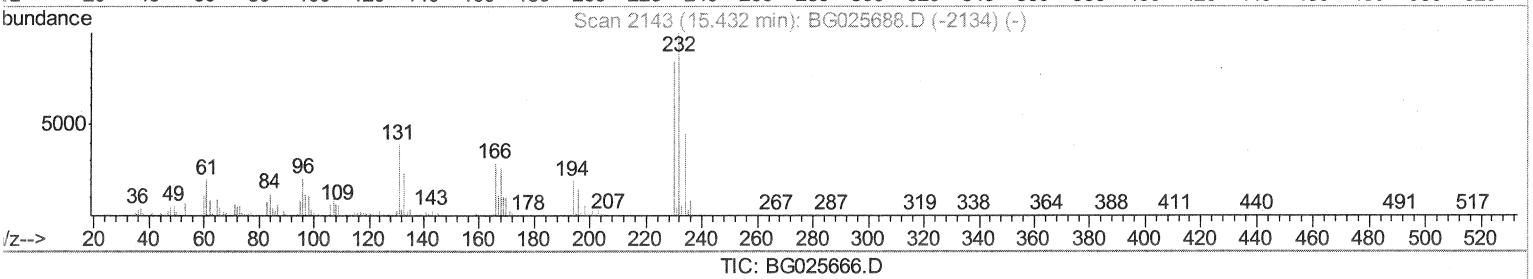

TIC: BG025666.D

(55) 2,3,4,6-Tetrachlorophenol

15.441min (+0.004) 34.74ng/ul m SJ 1/27/17

response 185503

Ion	Exp%	Act%
232.00	100	100
131.00	41.60	39.76
130.00	2.20	3.29#
166.00	27.40	30.55

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG012617\
Data File : BG025666.D
Acq On : 26 Jan 2017 14:38
Operator : SJ/MA
Sample : I1387-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 10:19:06 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : DA9R4

Manual Integrations APPROVED
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1/27/2017 3:05:30 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	8.18	152	72153	20.00	ng/ul	0.00	
18) Naphthalene-d8	11.01	136	323078	20.00	ng/ul	0.00	
35) Acenaphthene-d10	14.81	164	263945	20.00	ng/ul	0.00	
61) Phenanthrene-d10	17.56	188	555002m	20.00	ng/ul	0.00	SJ 1/27/17
75) Chrysene-d12	21.85	240	643079	20.00	ng/ul	0.00	
83) Perylene-d12	25.24	264	657918	20.00	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.51	96	1544	1.07	ng/uL	0.00	
5) Phenol-d5	7.35	99	44931	7.27	ng/ul	0.00	
7) Bis-(2-Chloroethyl)ether-d	7.49	67	153092	38.33	ng/ul	0.00	
9) 2-Chlorophenol-d4	7.71	132	131278	30.10	ng/ul	0.00	
13) 4-Methylphenol-d8	8.90	113	93573	17.80	ng/ul	0.00	
19) Nitrobenzene-d5	9.36	128	83995	36.68	ng/ul	0.00	
22) 2-Nitrophenol-d4	10.09	143	114109	41.76	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	10.63	165	187900	34.86	ng/ul	0.00	
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul		
43) Dimethylphthalate-d6	14.20	166	689517	36.99	ng/ul	0.00	
46) Acenaphthylene-d8	14.51	160	793777	39.43	ng/ul	0.00	
51) 4-Nitrophenol-d4	15.09	143	19472m	7.62	ng/ul	0.05	SJ 1/27/17
57) Fluorene-d10	15.80	176	624475	35.54	ng/ul	0.00	
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul		
70) Anthracene-d10	17.66	188	960544	40.65	ng/ul	0.00	
76) Pyrene-d10	19.94	212	1122180	41.94	ng/ul	0.00	
87) Benzo(a)pyrene-d12	25.01	264	1106957	40.03	ng/ul	0.00	
Target Compounds						Qvalue	
21) Isophorone	9.92	82	43555	3.16	ng/ul#	95	
39) 2,4,5-Trichlorophenol	13.36	196	39389	7.81	ng/ul	88	
55) 2,3,4,6-Tetrachlorophenol	15.44	232	185503m	34.74	ng/ul		SJ 1/27/17
68) Pentachlorophenol	17.24	266	5057996m	1661.21	ng/ul		

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