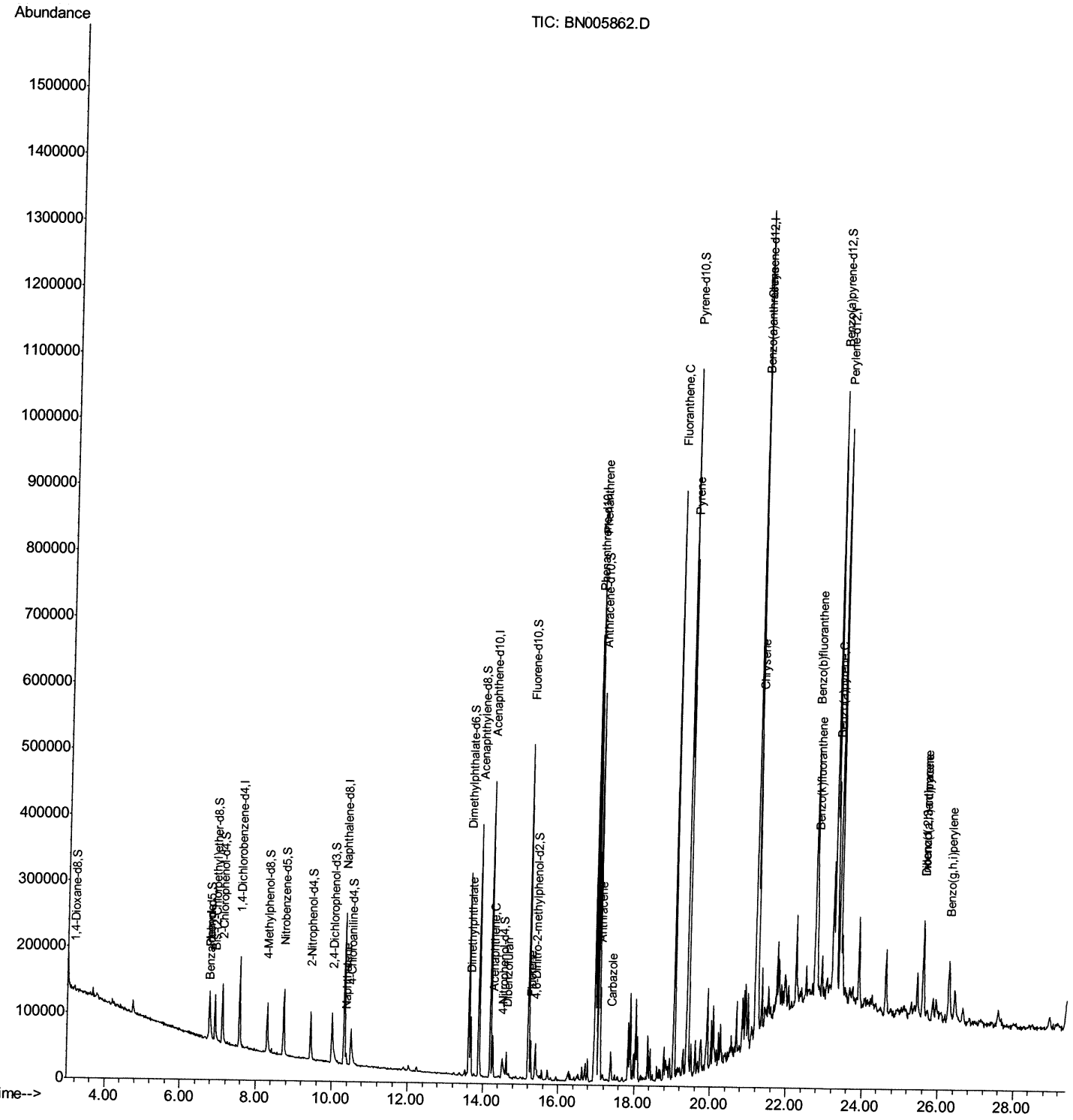
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 05:55:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 01:16:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

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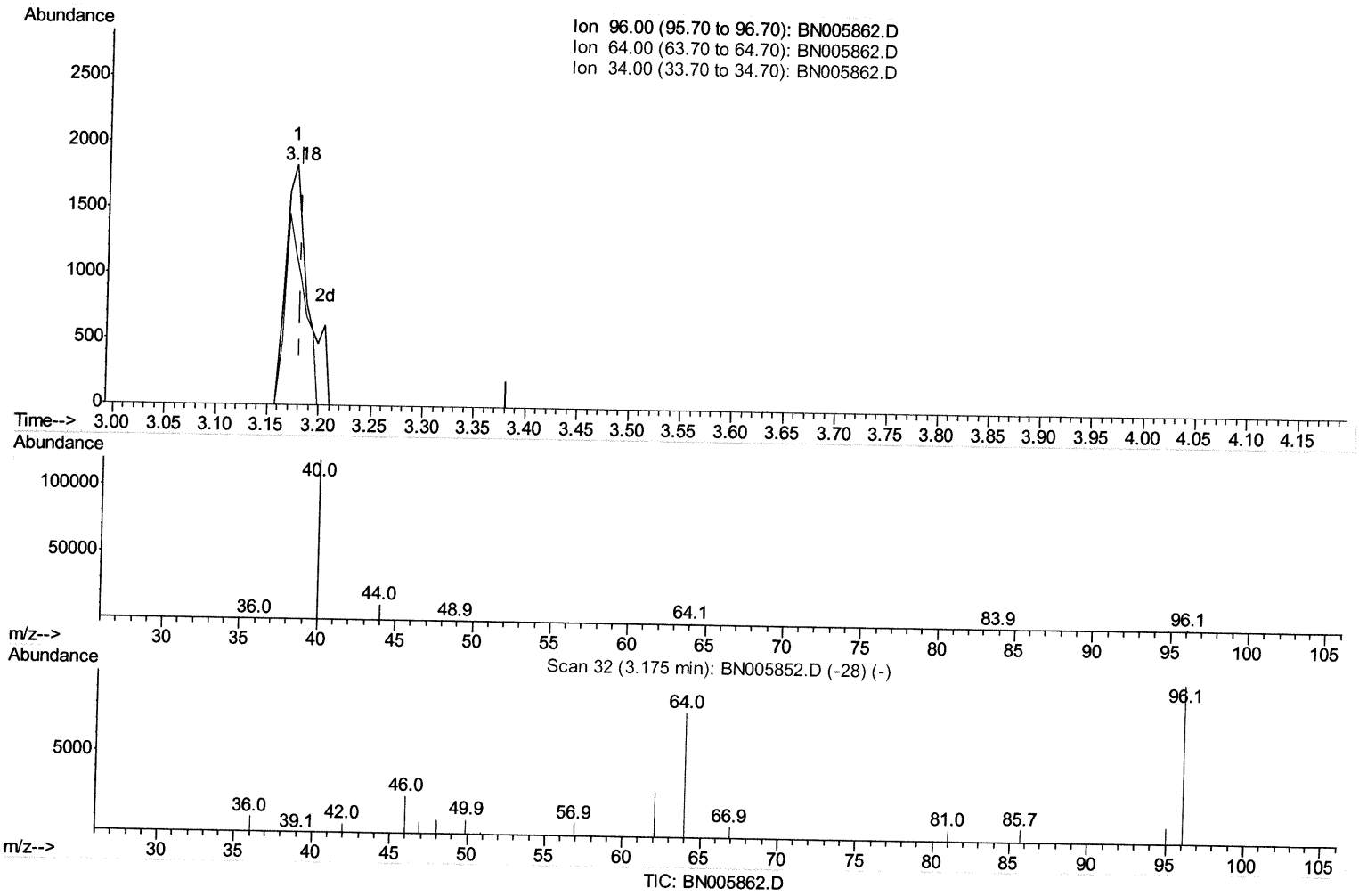
Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



TIC: BN005862.D

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

3.175min (-0.006) 3.31ng/uL

response 2595

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	63.83
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
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Quant Time: May 23 01:16:24 2019
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BNA_N
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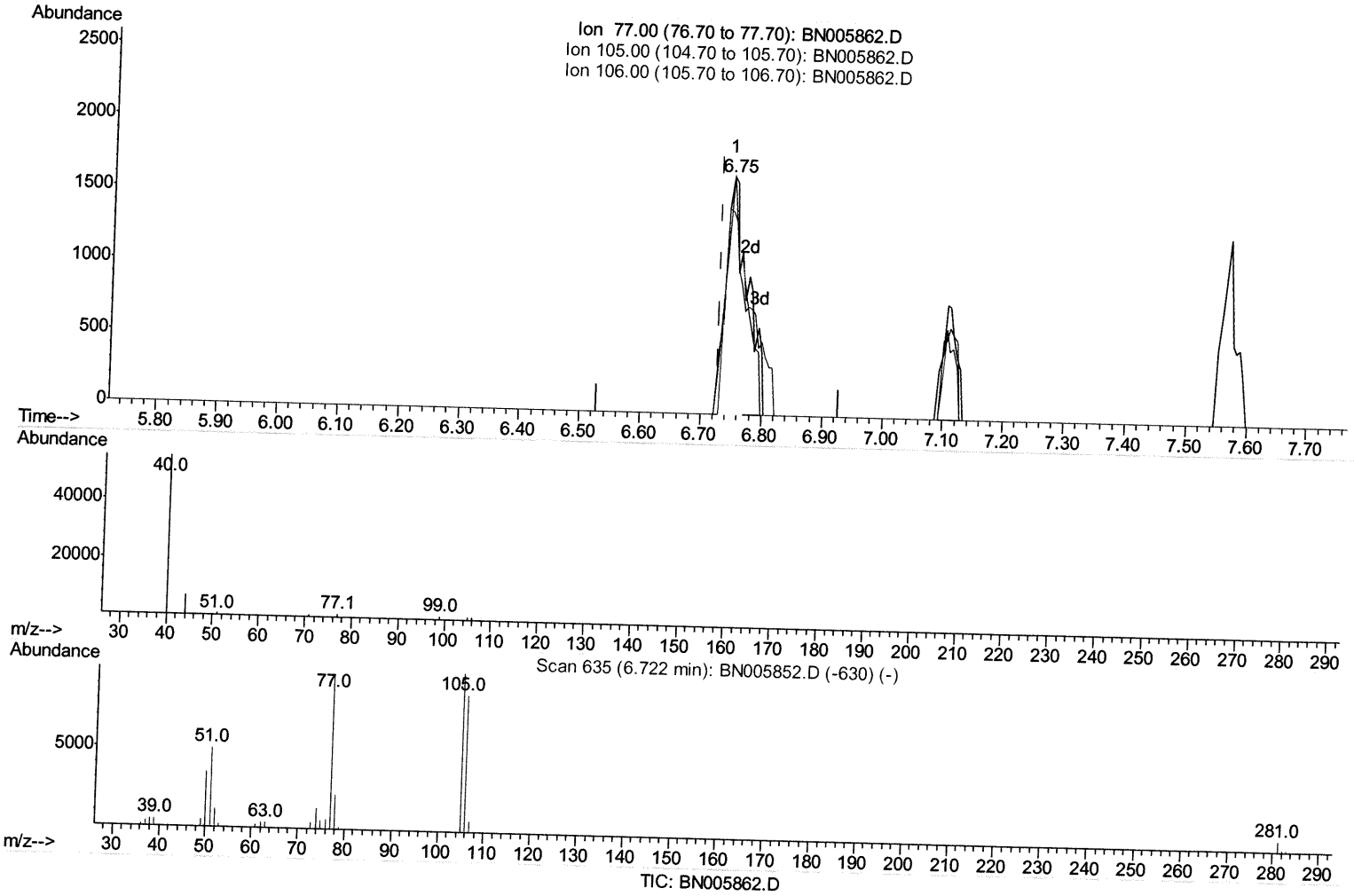
Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



TIC: BN005862.D

(4) Benzaldehyde

6.746min (+0.017) 1.25ng/ul

response 3076

Ion	Exp%	Act%
77.00	100	100
105.00	96.80	100.48
106.00	95.40	85.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 01:16:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
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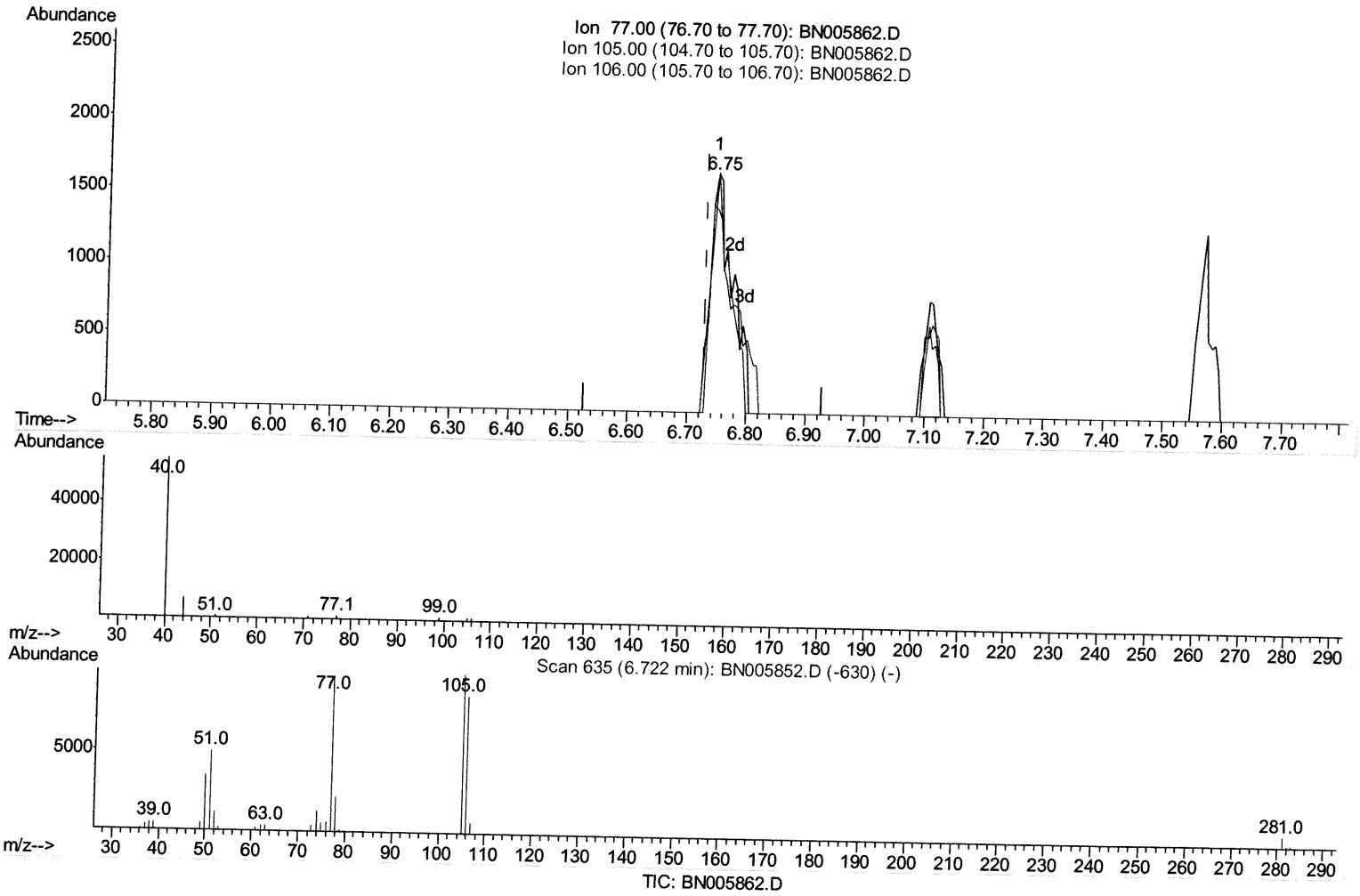
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



TIC: BN005862.D

(4) Benzaldehyde

6.746min (+0.017) 1.72ng/ul m JU 06/04/19

response 4240

Ion	Exp%	Act%
77.00	100	100
105.00	96.80	100.48
106.00	95.40	85.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 01:16:24 2019
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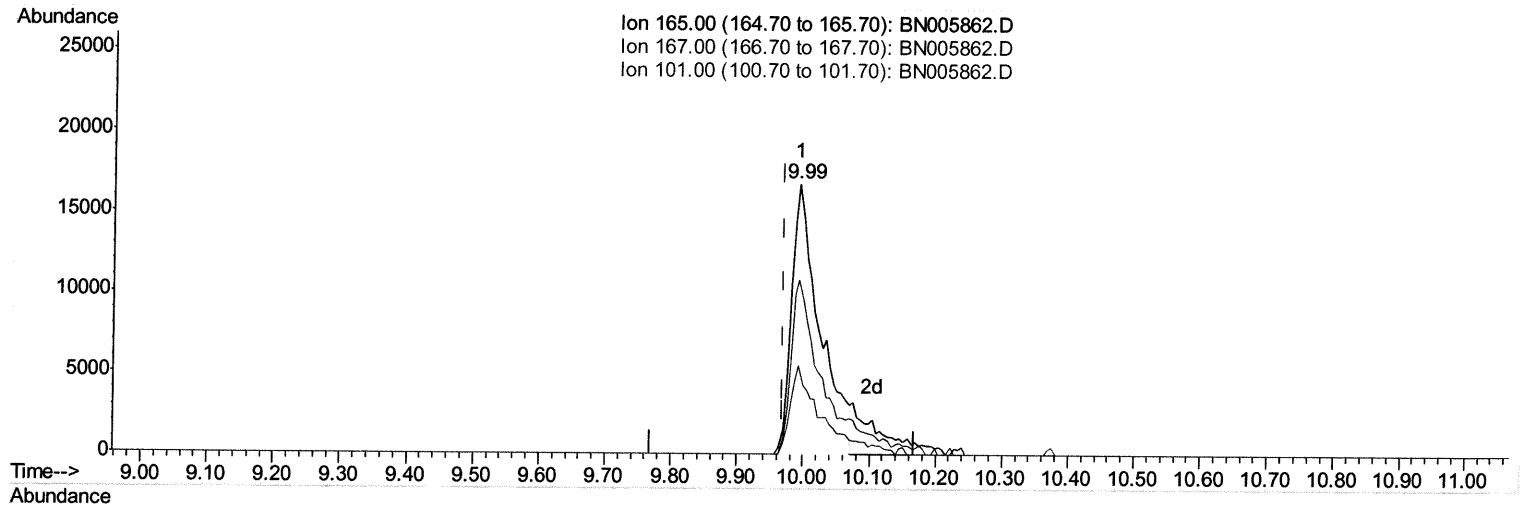
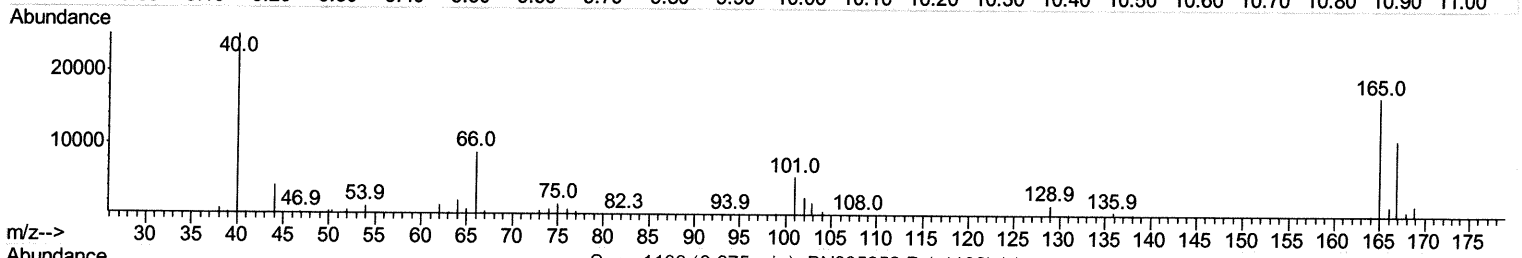
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

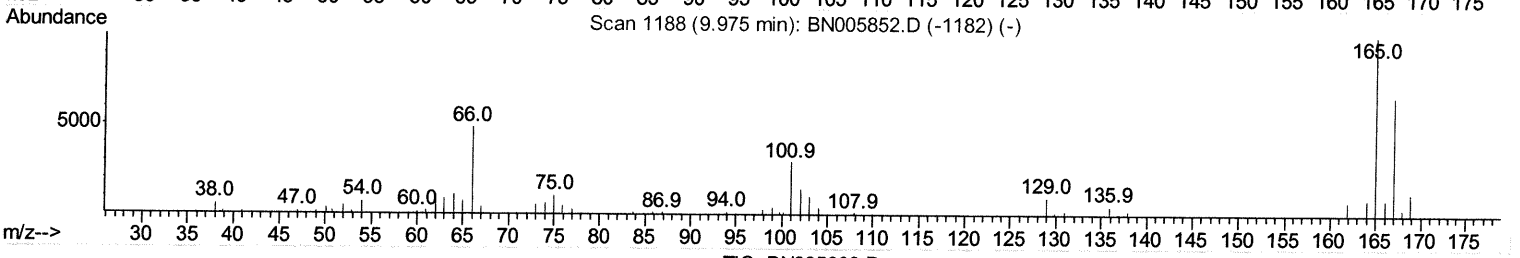
Instrument :
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM





Scan 1188 (9.975 min): BN005852.D (-1182) (-)



TIC: BN005862.D

(26) 2,4-Dichlorophenol-d3 (S)

9.993min (+0.023) 15.48ng/ul

response 49432

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	64.67
101.00	37.50	32.94
0.00	0.00	0.00

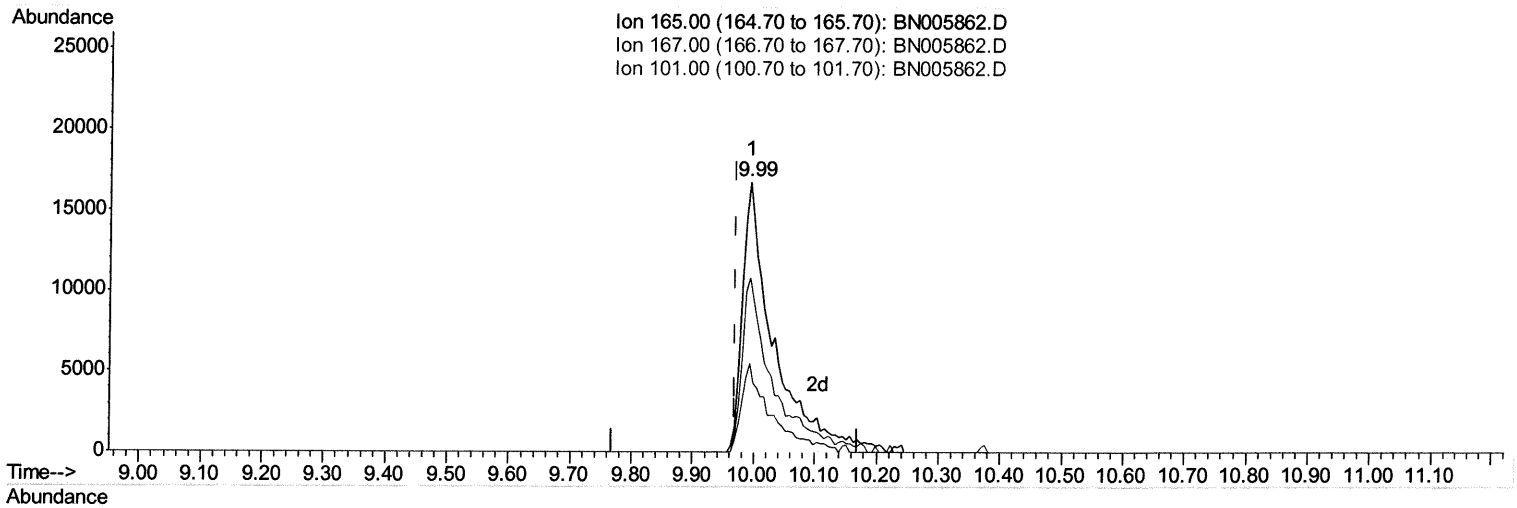
Quantitation Report (Qedit)

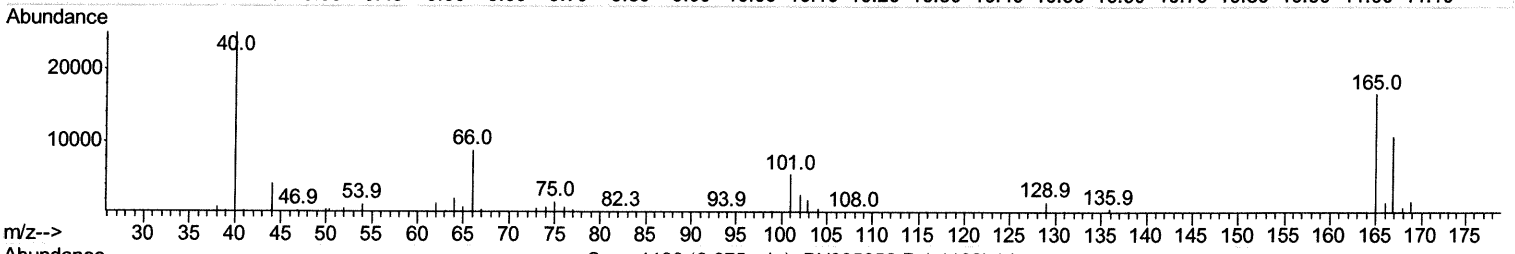
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 01:16:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

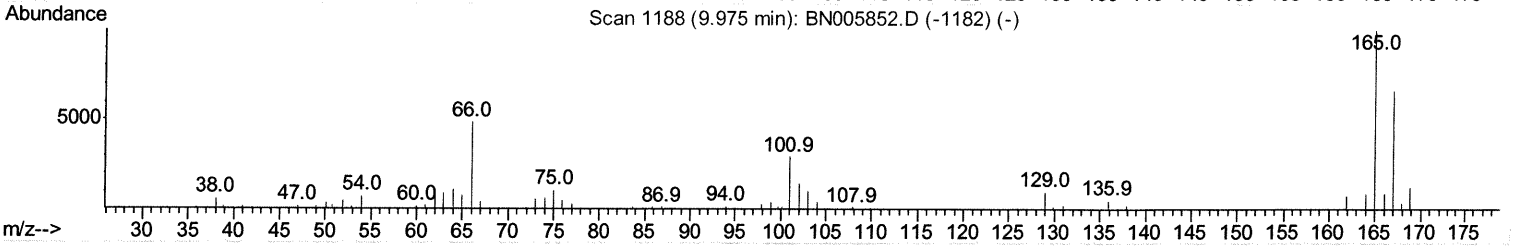
Instrument :
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM





Scan 1188 (9.975 min): BN005852.D (-1182) (-)



TIC: BN005862.D

(26) 2,4-Dichlorophenol-d3 (S)

9.993min (+0.023) 18.58ng/ul m JU 06/04/19

response 59320

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	64.67
101.00	37.50	32.94
0.00	0.00	0.00

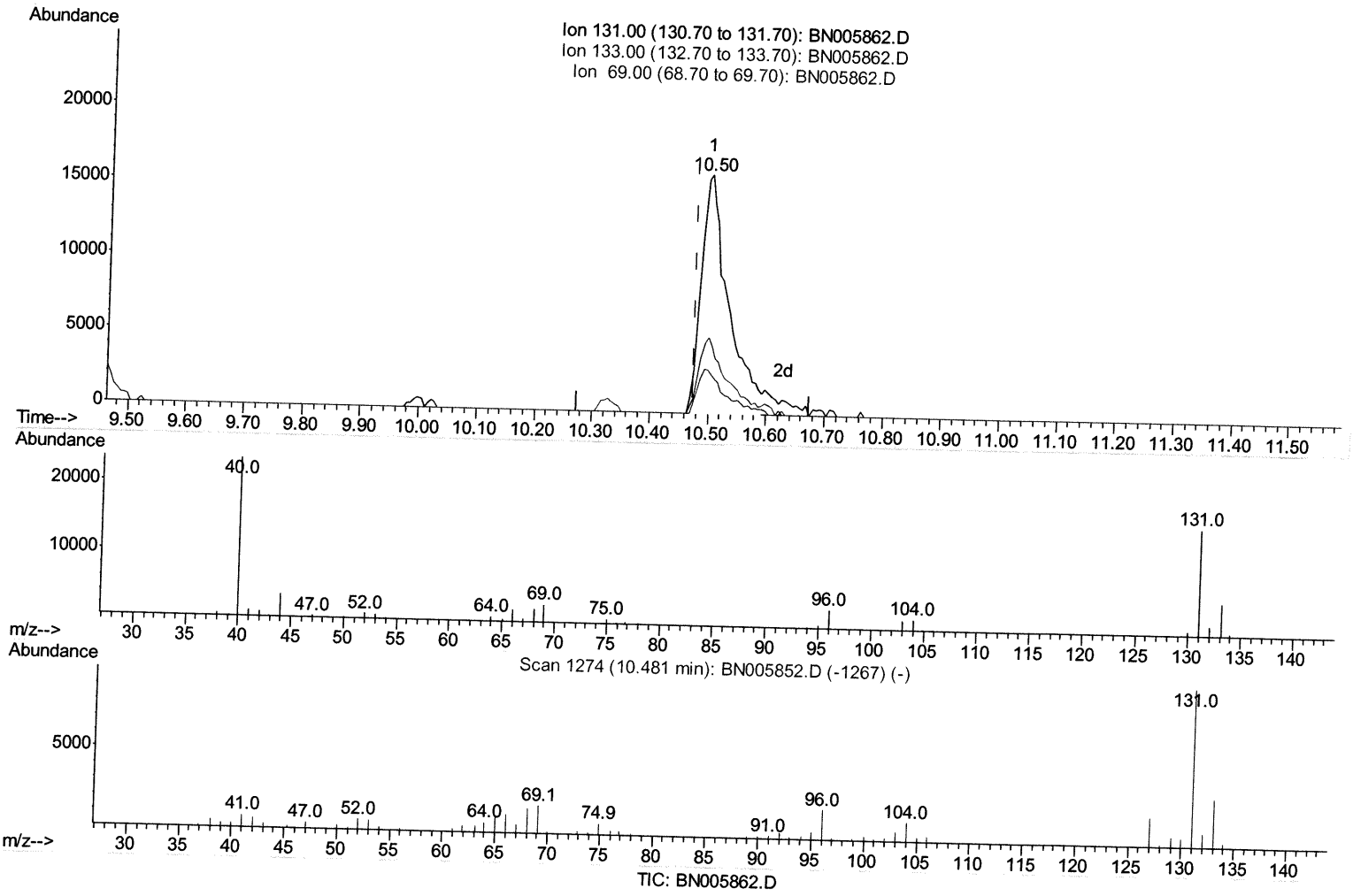
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 01:16:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



TIC: BN005862.D

(29) 4-Chloroaniline-d4 (S)

10.498min (+0.023) 14.45ng/ul

response 51249

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	31.76
69.00	18.90	18.03
0.00	0.00	0.00

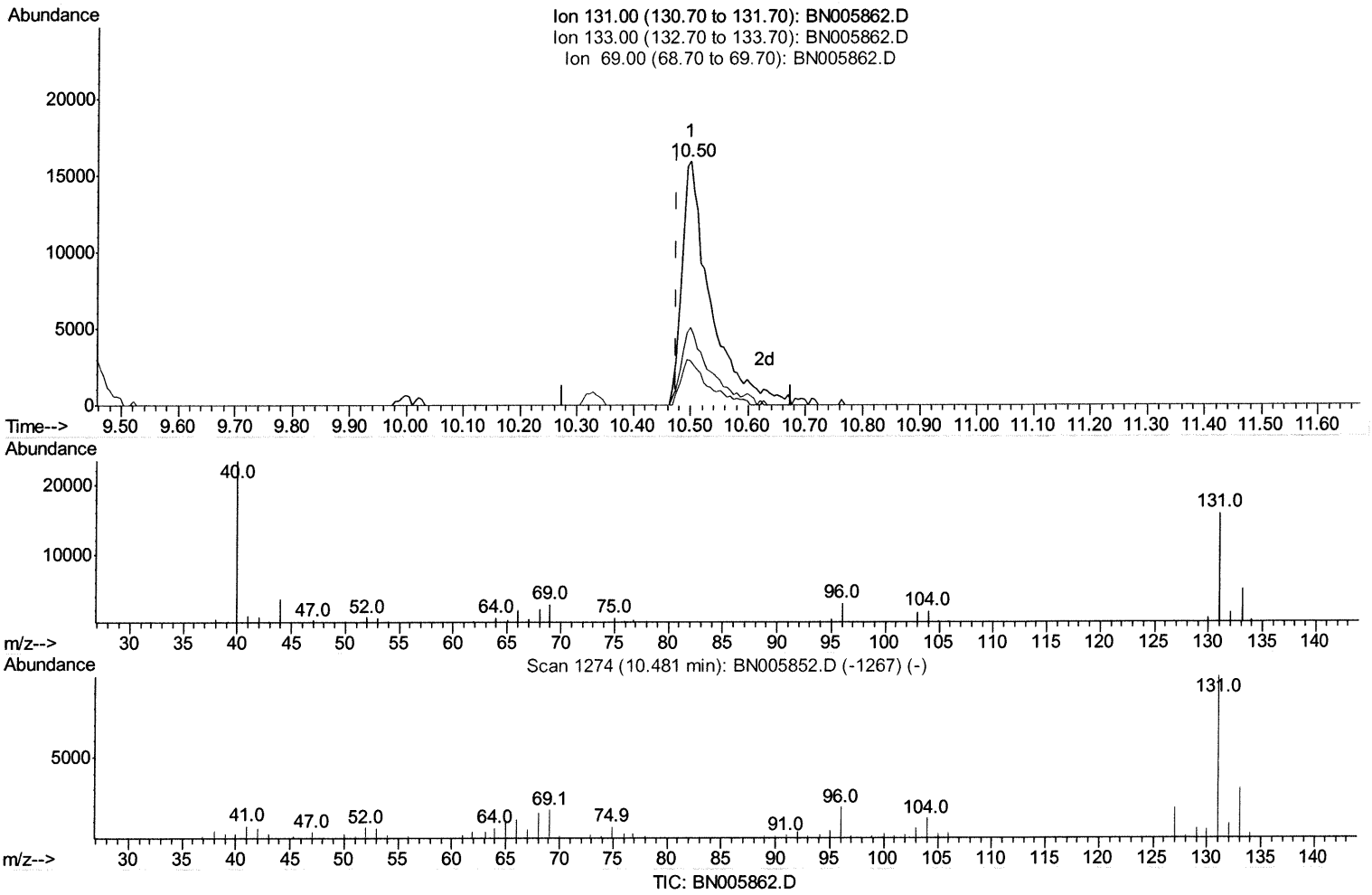
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 01:16:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



TIC: BN005862.D

(29) 4-Chloroaniline-d4 (S)

10.498min (+0.023) 15.61ng/ul m JU 06/04/19

response 55350

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	31.76
69.00	18.90	18.03
0.00	0.00	0.00

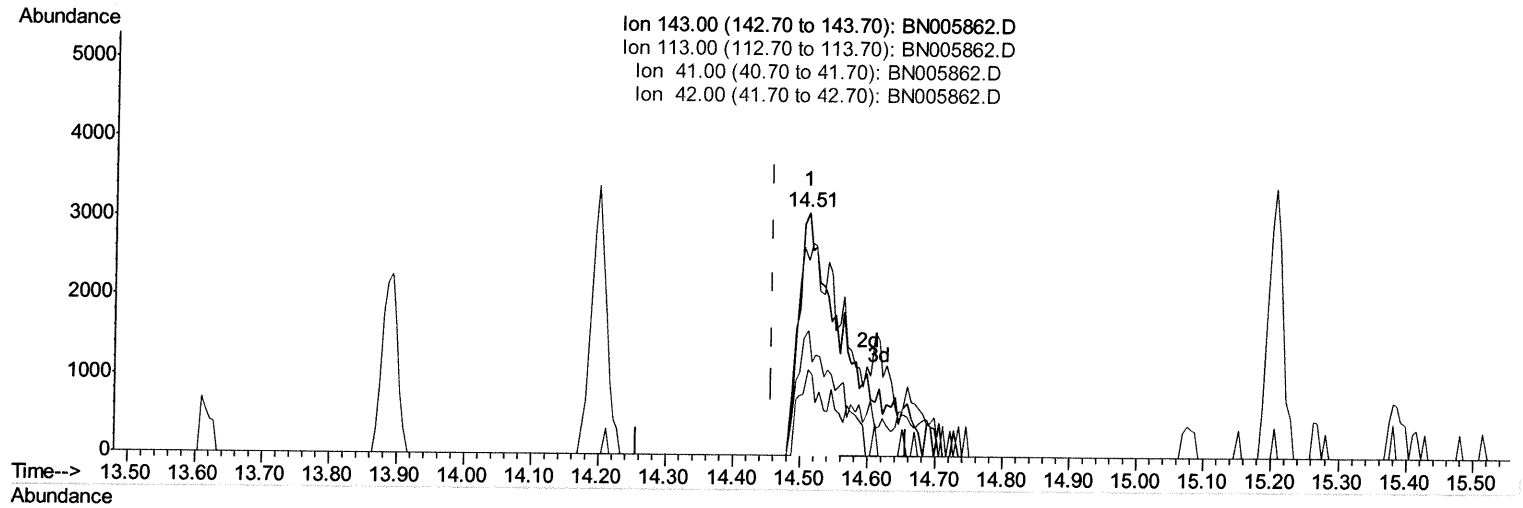
Quantitation Report (Qedit)

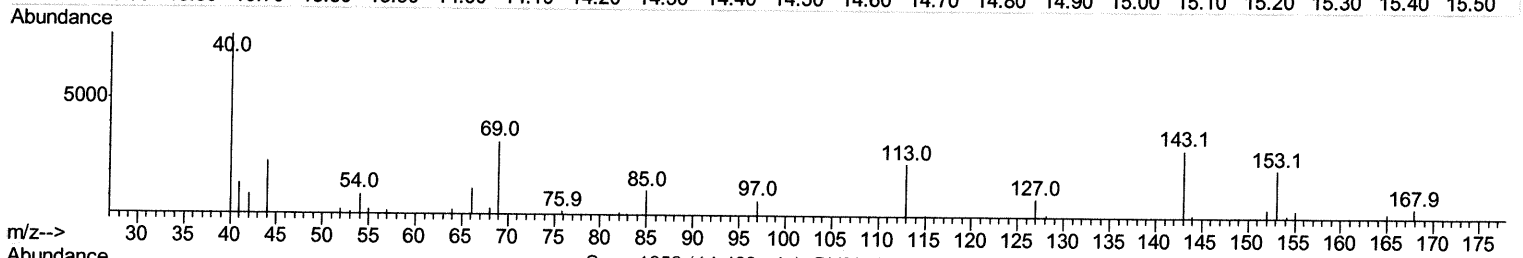
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

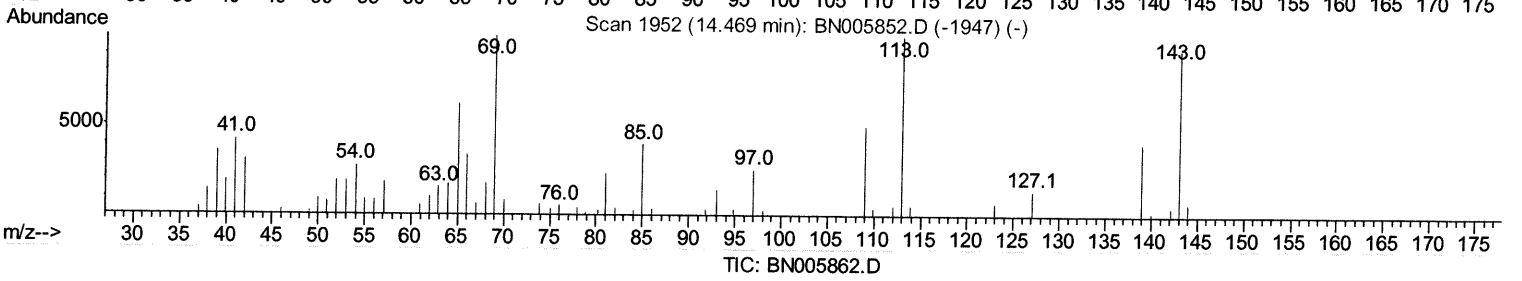
Quant Time: May 23 01:16:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM







TIC: BN005862.D

(51) 4-Nitrophenol-d4 (S)

14.510min (+0.053) 5.97ng/ul

response 9358

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	80.11
41.00	47.90	51.30
42.00	31.70	35.61

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 01:16:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

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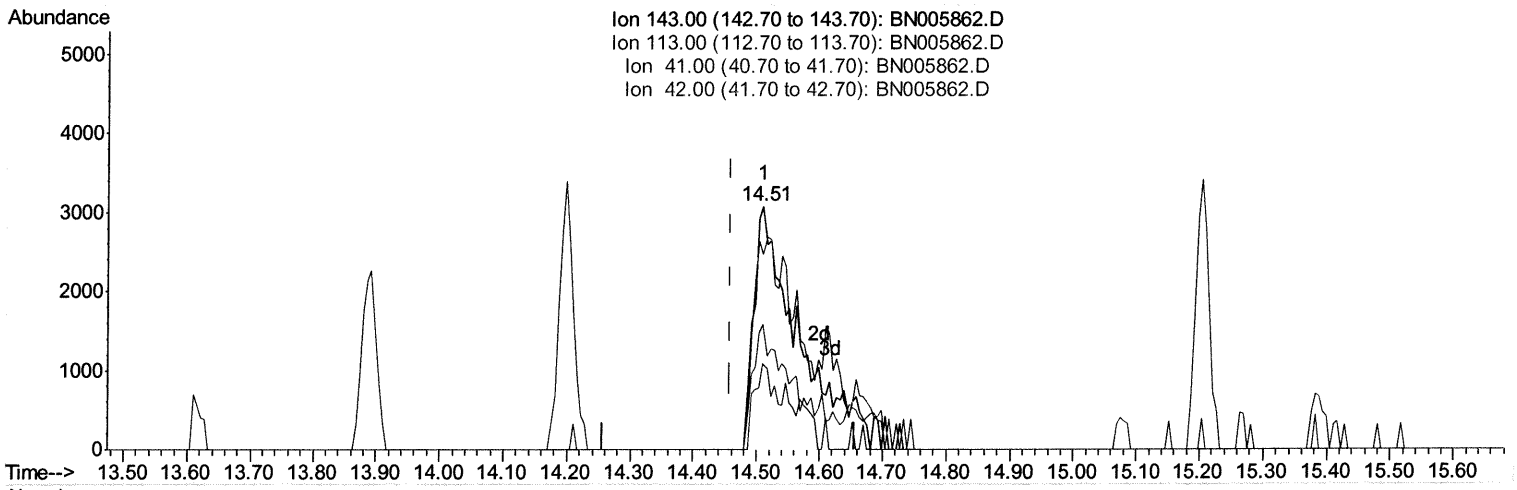
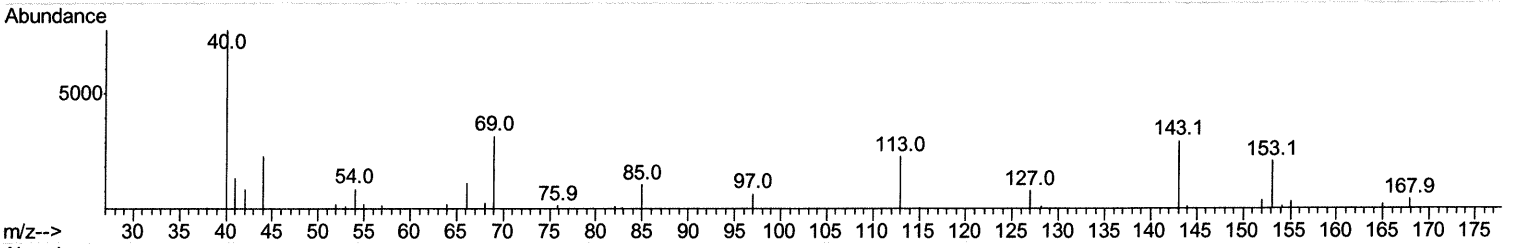
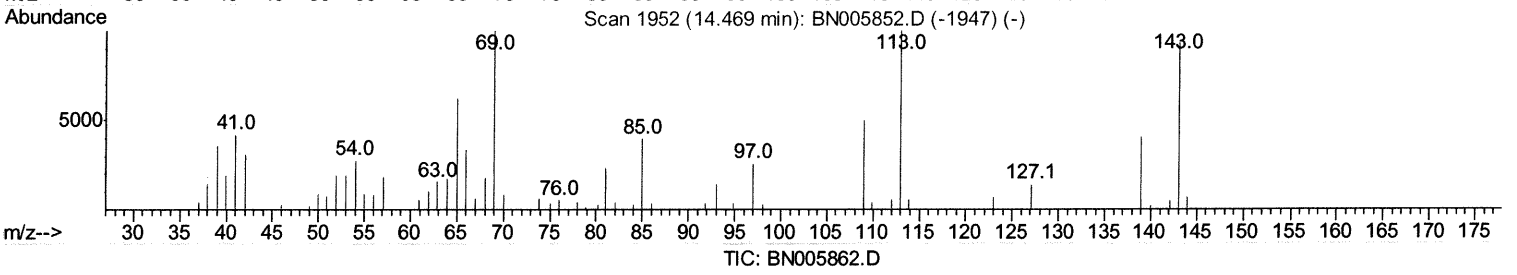
BNA_N
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM







TIC: BN005862.D

(51) 4-Nitrophenol-d4 (S)

14.510min (+0.053) 9.56ng/ul m JU 06/04/19

response 14978

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	80.11
41.00	47.90	51.30
42.00	31.70	35.61

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
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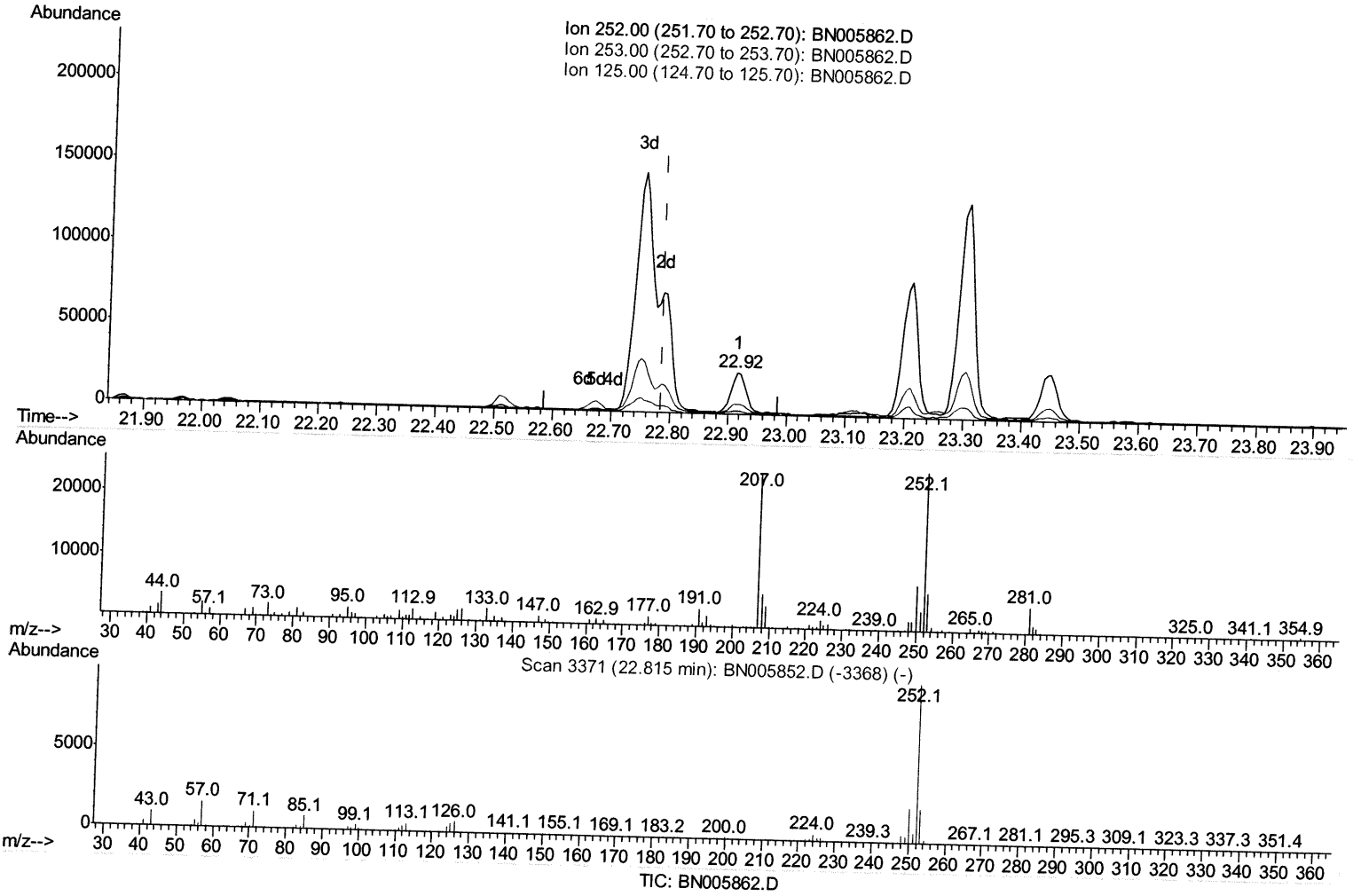
ClientSampleId :
A42A2

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



TIC: BN005862.D

(88) Benzo(k)fluoranthene

22.915min (+0.129) 1.20ng/ul

response 42628

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	24.91
125.00	9.40	7.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
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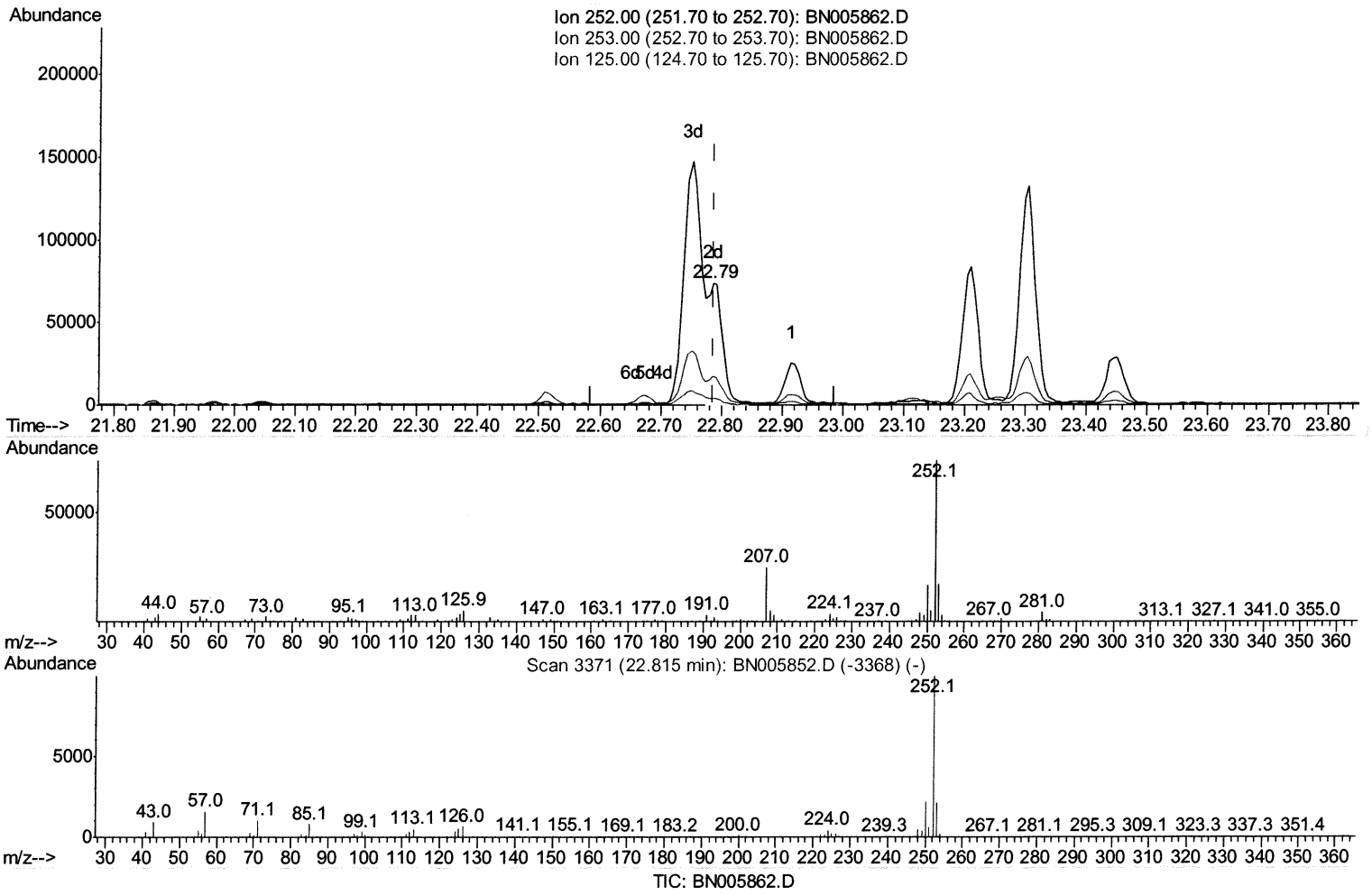
Manual Integrations APPROVED
mohammad
5/23/2019 3:30:59 PM



(88) Benzo(k)fluoranthene

22.786min (-0.000) 3.28ng/ul m JU 06/04/19

response 116570

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.36
125.00	9.40	5.33#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
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Manual Integrations APPROVED
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5/23/2019 3:30:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	43941	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	199608	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	144567	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	410135	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	529391	20.00	ng/ul	0.00
85) Perylene-d12	23.40	264	666859	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	2595	3.31	ng/uL	0.00
5) Phenol-d5	6.77	99	62122	18.29	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.91	67	36416	20.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	52937	19.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	39878	13.73	ng/ul	0.02
19) Nitrobenzene-d5	8.72	128	26266	18.12	ng/ul	0.01
22) 2-Nitrophenol-d4	9.43	143	27932	16.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	59320m	18.58	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	55350m	15.61	ng/ul	0.02
43) Dimethylphthalate-d6	13.62	166	230861	20.75	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	276989	20.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	14978m	9.56	ng/ul	0.05
57) Fluorene-d10	15.20	176	212478	22.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	14814	6.01	ng/ul	0.02
70) Anthracene-d10	17.06	188	358979	20.26	ng/ul	0.00
78) Pyrene-d10	19.37	212	490006	18.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	626298	20.94	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.75	77	4240m	1.725	ng/ul	
28) Naphthalene	10.37	128	12111	1.270	ng/ul#	96
44) Dimethylphthalate	13.67	163	64222	5.856	ng/ul	99
49) Acenaphthene	14.26	153	25697	2.914	ng/ul	100
53) Dibenzofuran	14.62	168	22709	1.736	ng/ul	98
58) Fluorene	15.26	166	29315	2.755	ng/ul	94
69) Phenanthrene	17.00	178	459643	22.609	ng/ul	99
71) Anthracene	17.10	178	95532	4.615	ng/ul	96
74) Carbazole	17.39	167	30514	1.672	ng/ul	97
76) Fluoranthene	19.04	202	535941	21.322	ng/ul#	88
79) Pyrene	19.40	202	496915	15.285	ng/ul#	86
82) Benzo(a)anthracene	21.18	228	269769	8.089	ng/ul	98
84) Chrysene	21.23	228	259525	8.255	ng/ul	97
87) Benzo(b)fluoranthene	22.75	252	301883	8.229	ng/ul#	96
88) Benzo(k)fluoranthene	22.79	252	116570m	3.284	ng/ul	
90) Benzo(a)pyrene	23.30	252	239517	6.742	ng/ul#	94
91) Indeno(1,2,3-cd)pyrene	25.59	276	143838	3.312	ng/ul#	89
92) Dibenzo(a,h)anthracene	25.59	278	37591	1.028	ng/ul#	81
93) Benzo(g,h,i)perylene	26.26	276	121862	3.357	ng/ul#	91

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