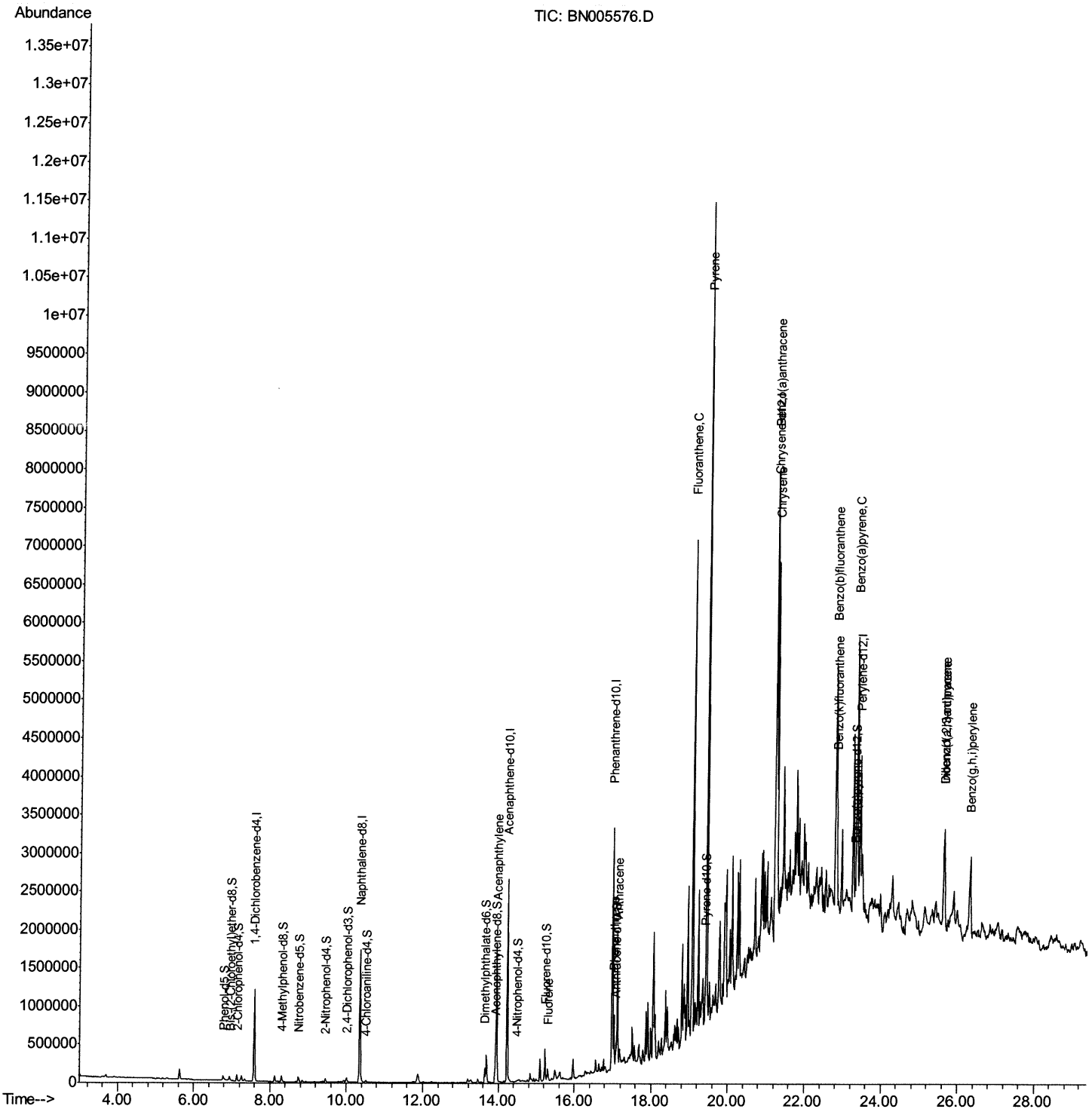
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 02:08:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM



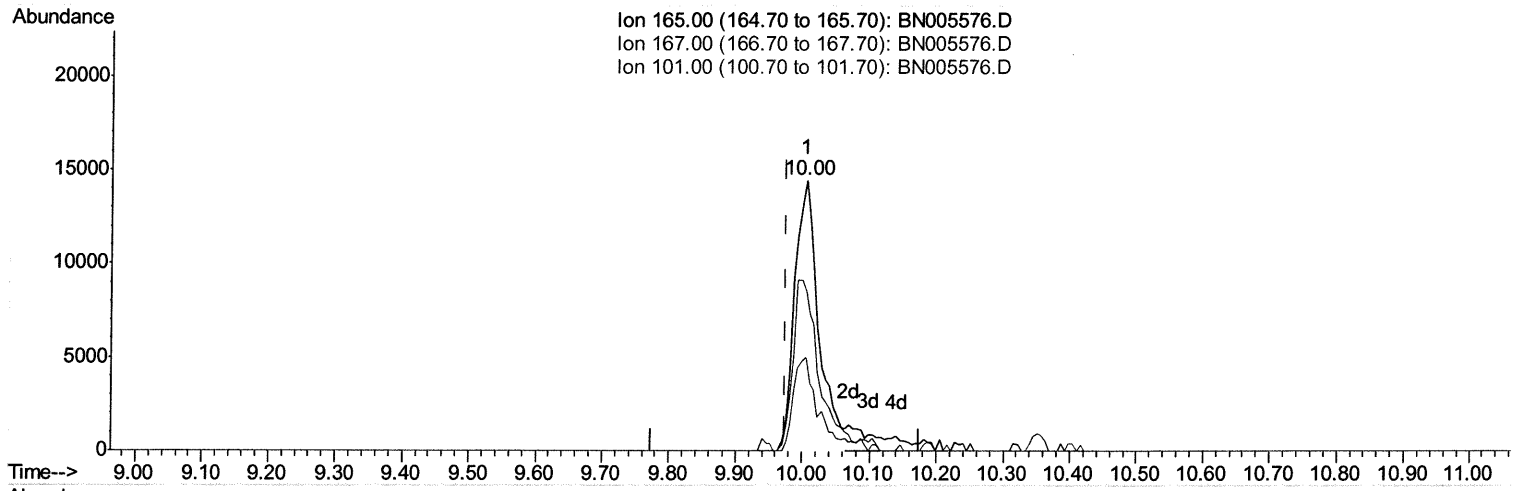
Quantitation Report (Qedit)

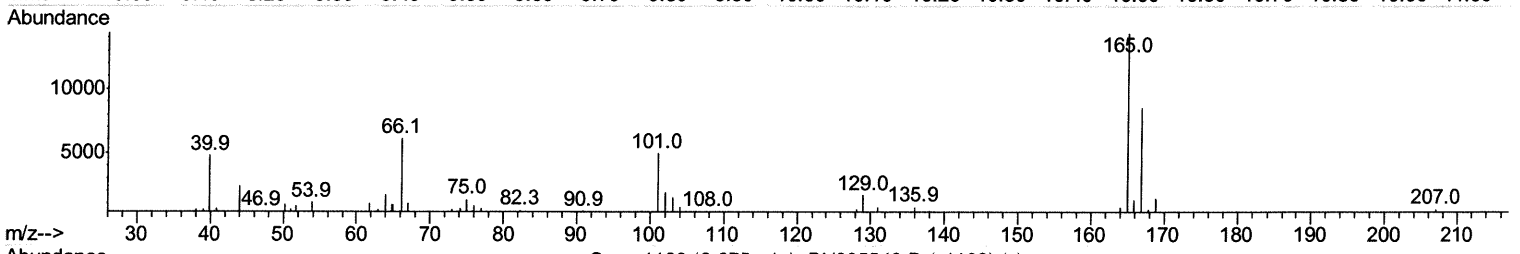
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 01:21:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

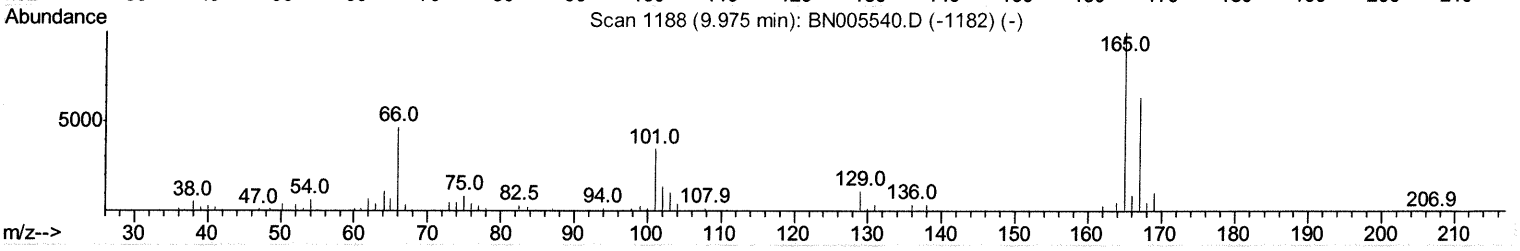
Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM





Scan 1188 (9.975 min): BN005540.D (-1182) (-)



TIC: BN005576.D

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

10.005min (+0.029) 1.71ng/ul

response 35858

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	59.32
101.00	37.50	34.49
0.00	0.00	0.00

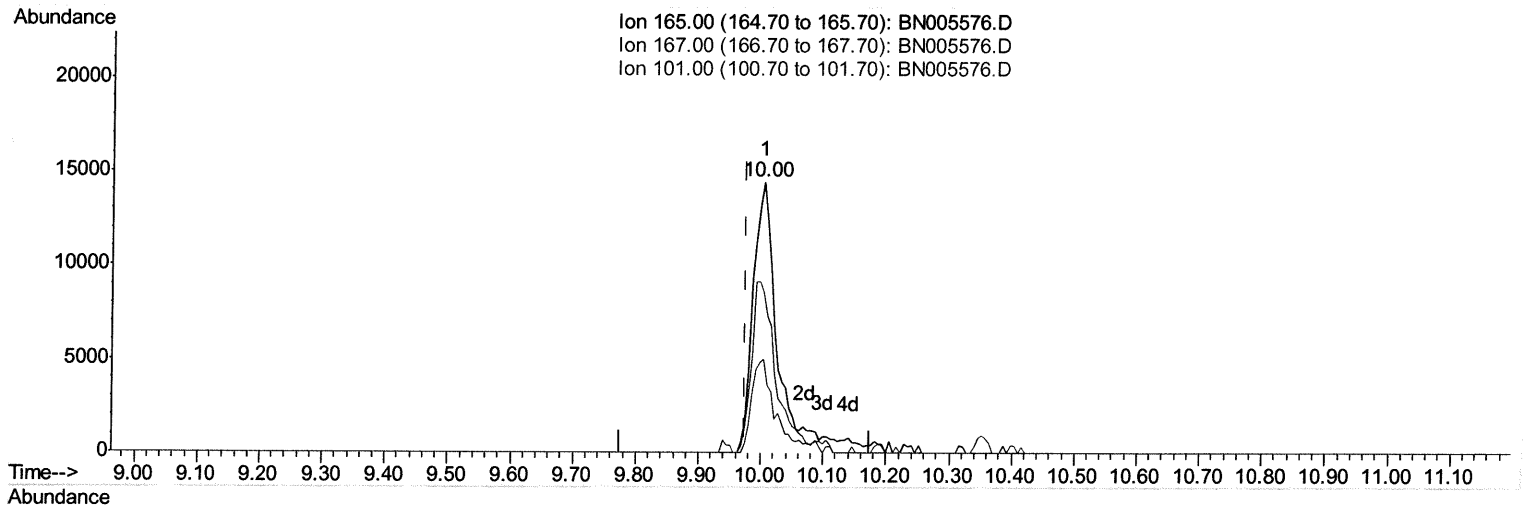
Quantitation Report (Qedit)

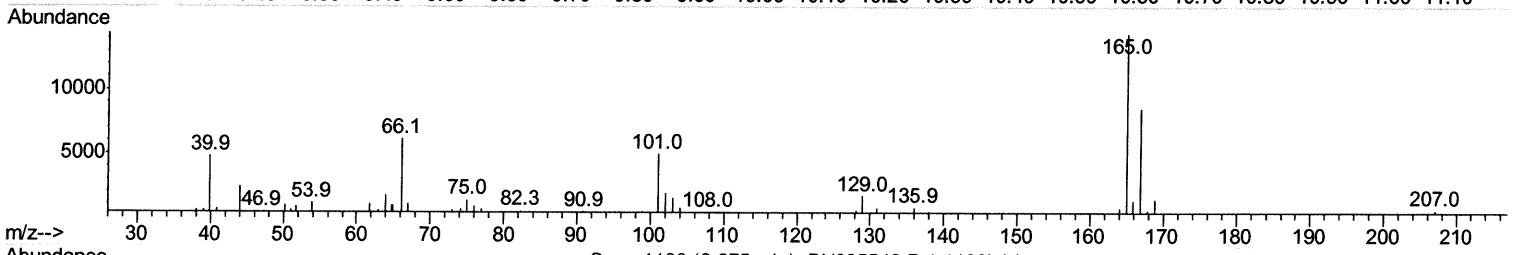
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 01:21:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

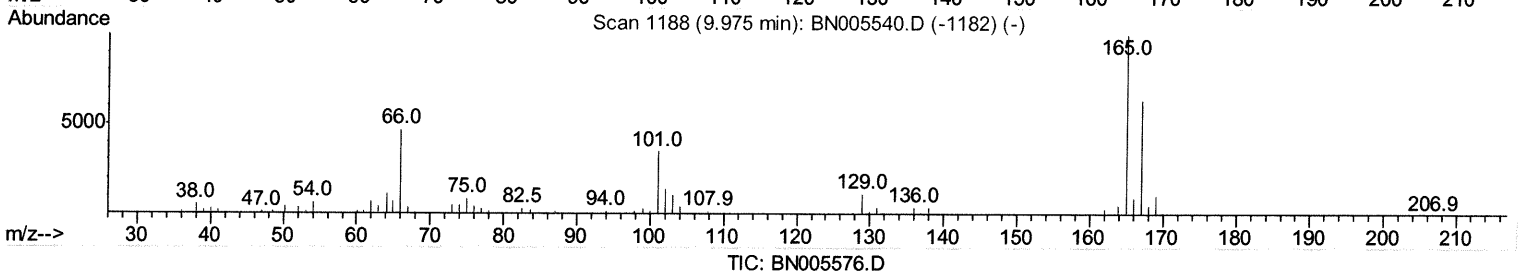
Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM





Scan 1188 (9.975 min): BN005540.D (-1182) (-)



TIC: BN005576.D

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

10.005min (+0.029) 1.97ng/ul m SJ 05/12/19

response 41333

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	59.32
101.00	37.50	34.49
0.00	0.00	0.00

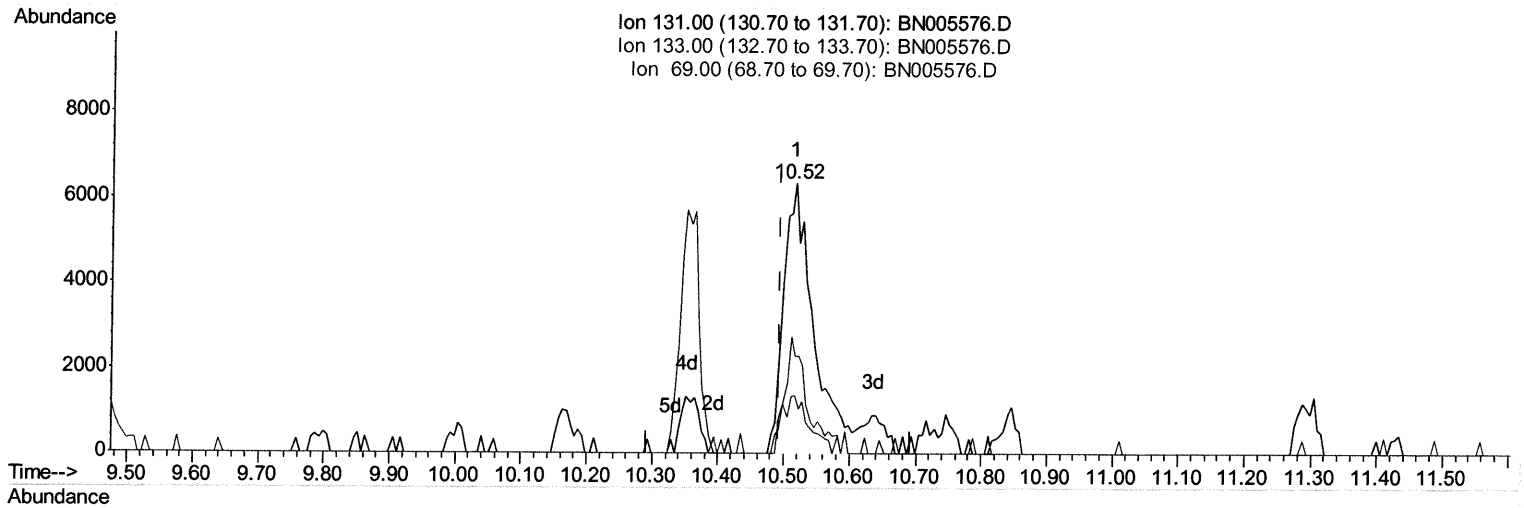
Quantitation Report (Qedit)

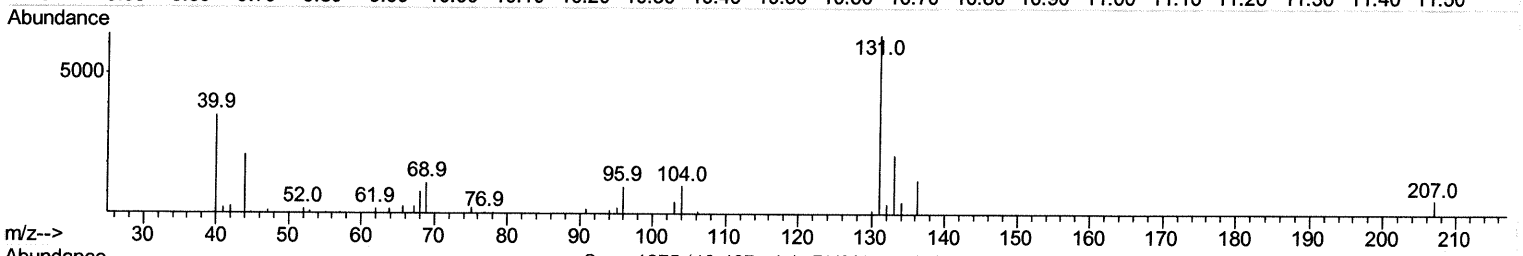
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

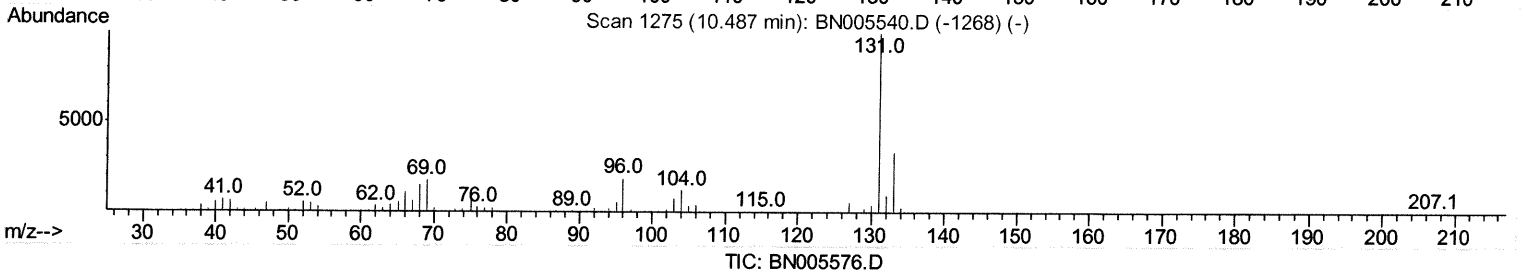
Quant Time: May 10 01:21:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM







TIC: BN005576.D

(29) 4-Chloroaniline-d4 (S)

10.516min (+0.024) 0.92ng/ul

response 19849

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	36.04
69.00	18.90	21.44
0.00	0.00	0.00

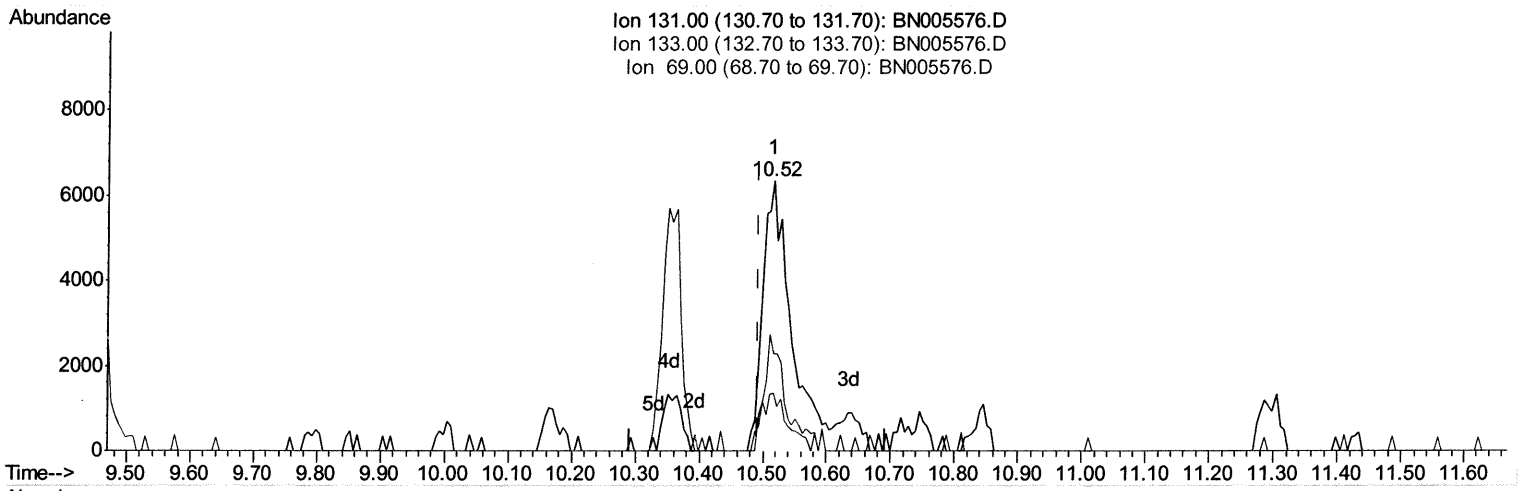
Quantitation Report (Qedit)

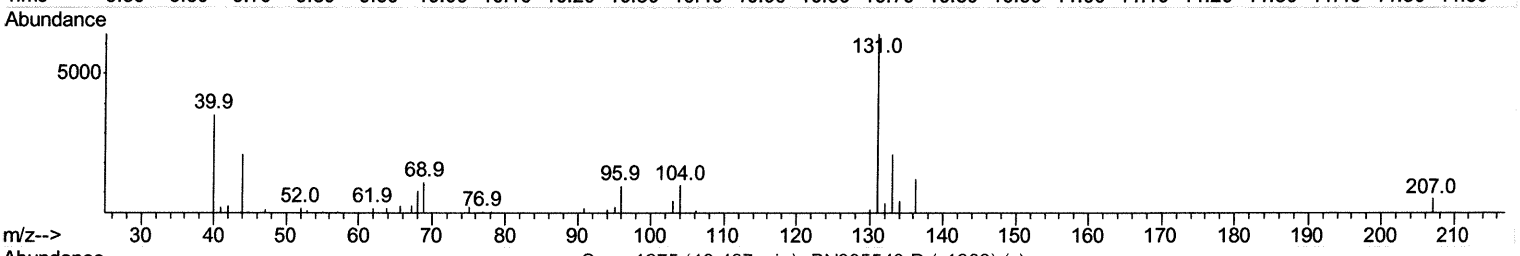
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

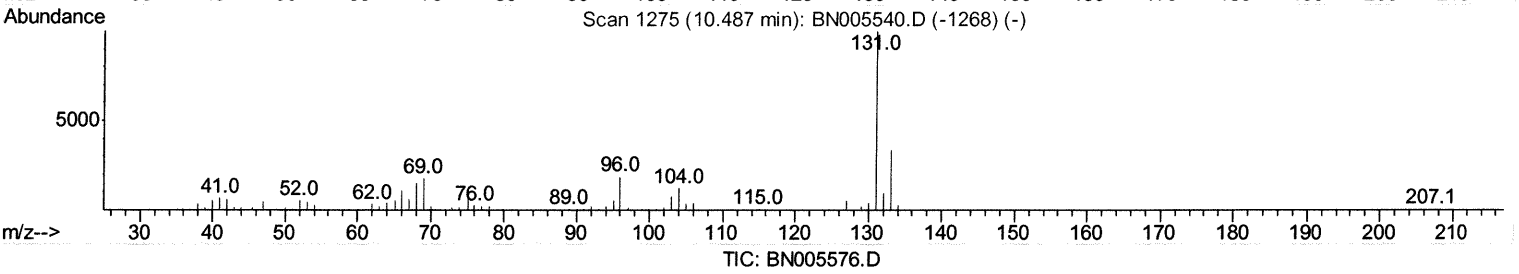
Quant Time: May 10 01:21:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM







TIC: BN005576.D

(29) 4-Chloroaniline-d4 (S)

10.516min (+0.024) 1.03ng/ul m SJ 05/12/19

response 22157

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	36.04
69.00	18.90	21.44
0.00	0.00	0.00

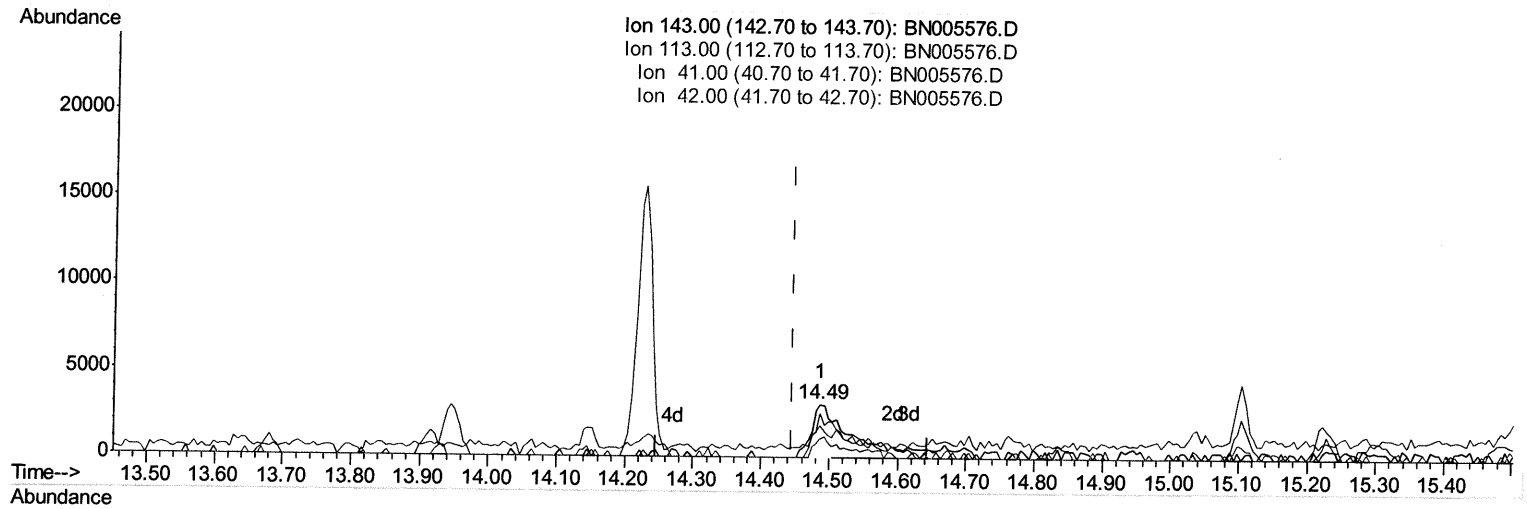
Quantitation Report (Qedit)

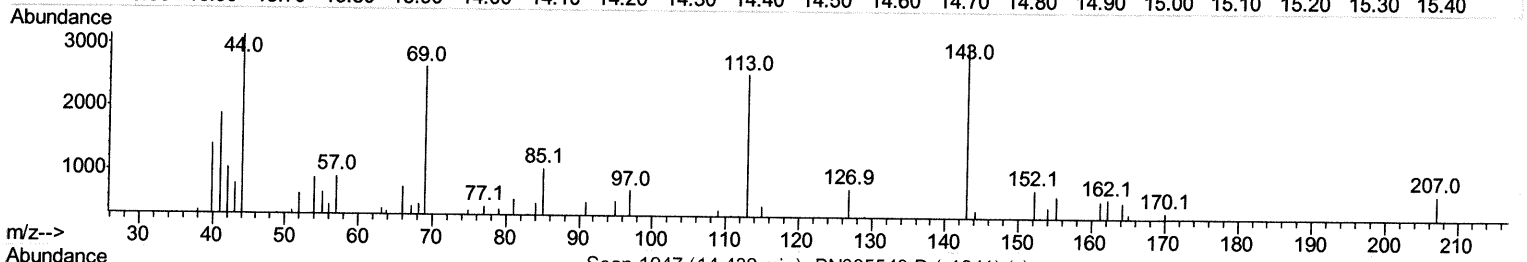
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 01:21:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

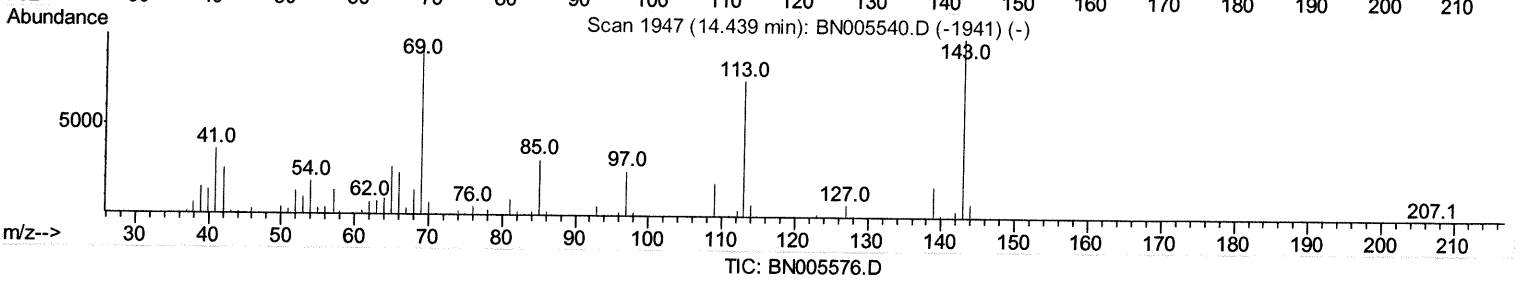
Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM





Scan 1947 (14.439 min): BN005540.D (-1941) (-)



TIC: BN005576.D

(51) 4-Nitrophenol-d4 (S)

14.487min (+0.041) 0.57ng/ul

response 5836

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	82.70
41.00	47.90	61.30#
42.00	31.70	34.02

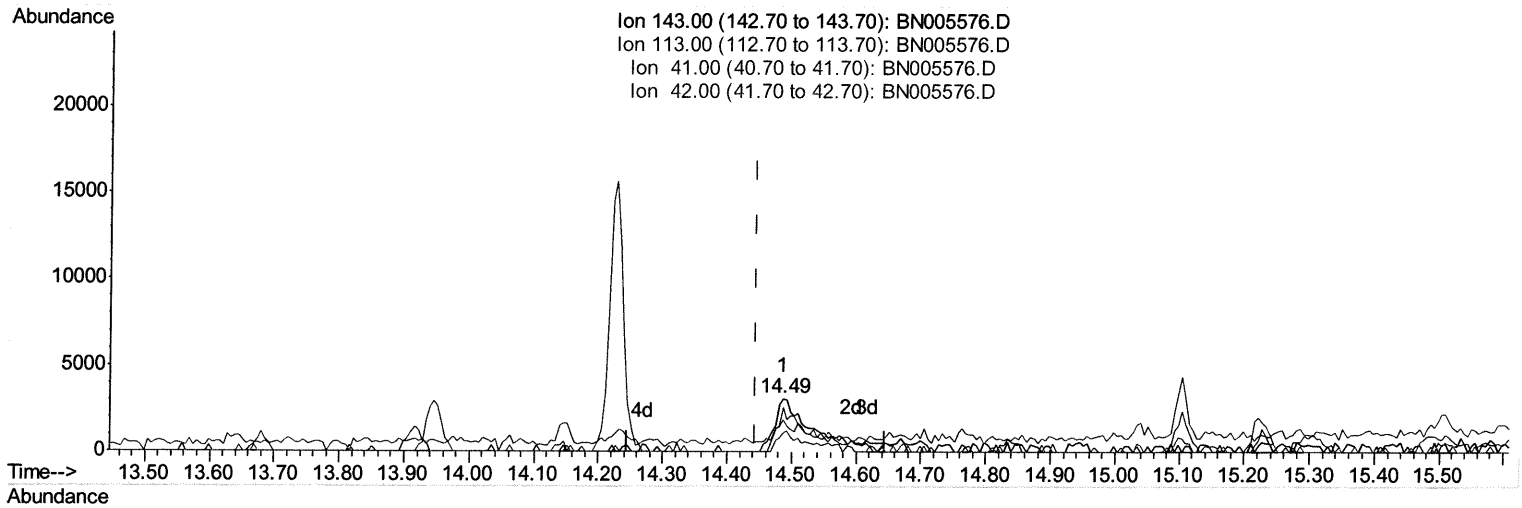
Quantitation Report (Qedit)

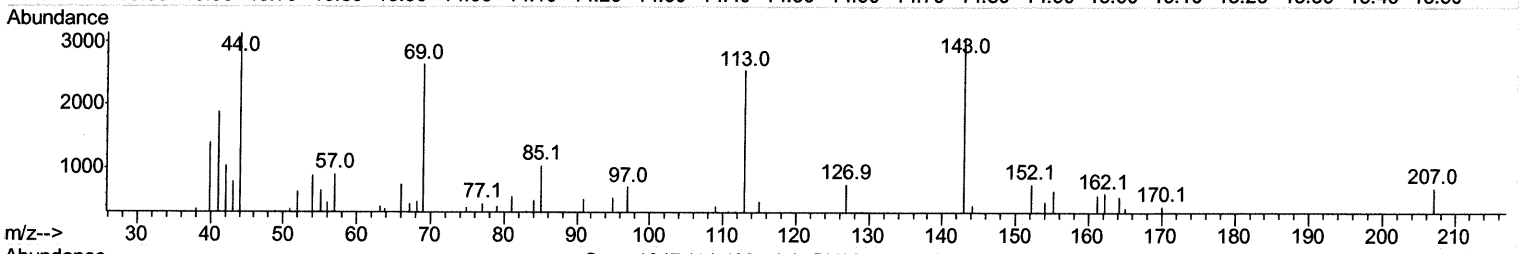
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

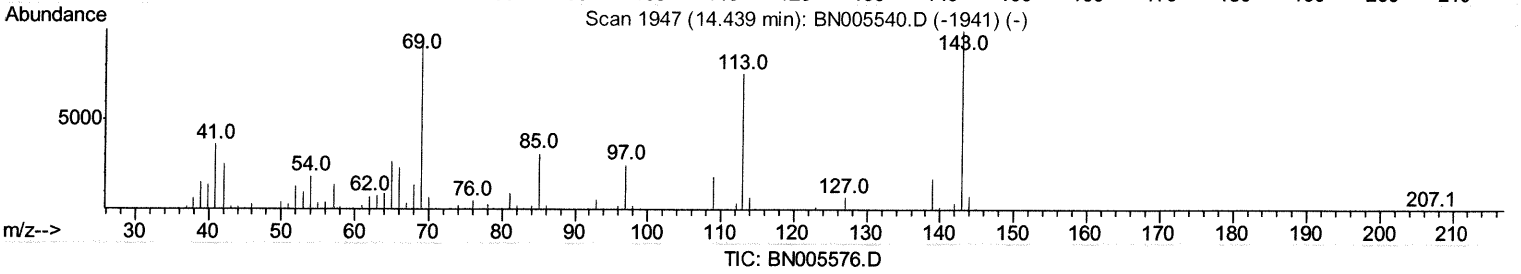
Quant Time: May 10 01:21:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM







TIC: BN005576.D

(51) 4-Nitrophenol-d4 (S)

14.487min (+0.041) 1.19ng/ul m SJOS 5/2/19

response 12216

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	82.70
41.00	47.90	61.30#
42.00	31.70	34.02

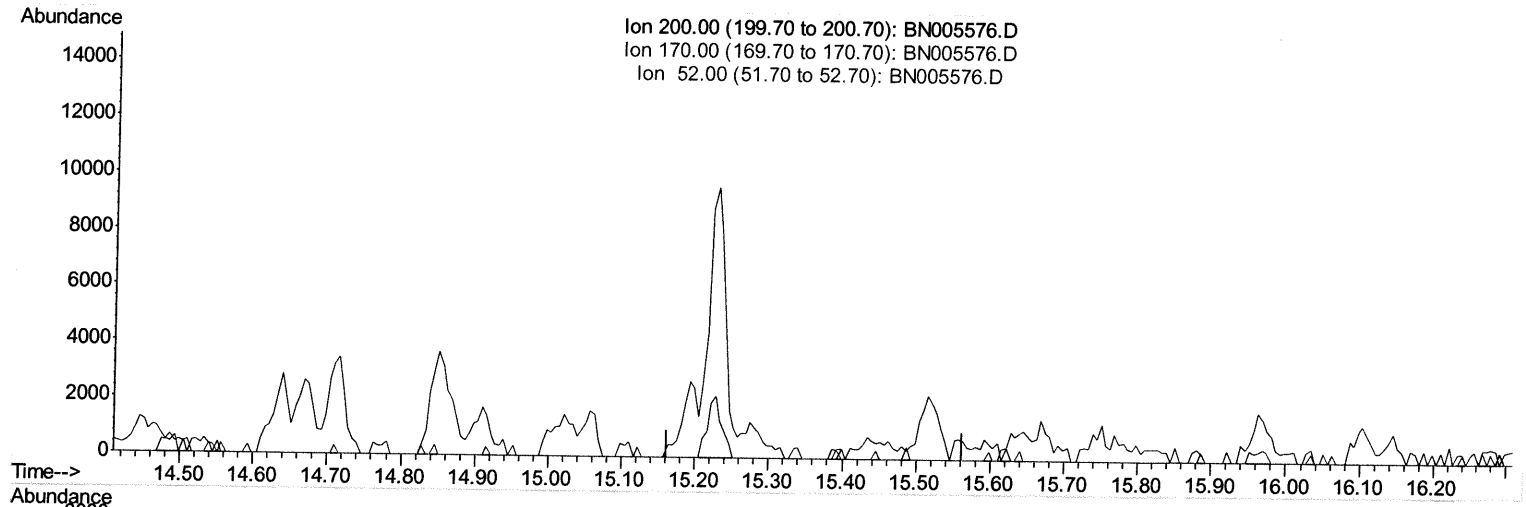
Quantitation Report (Qedit)

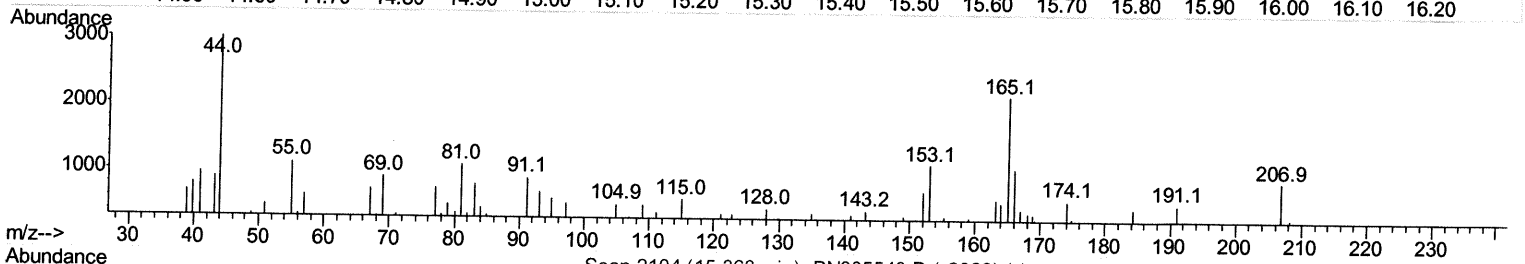
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

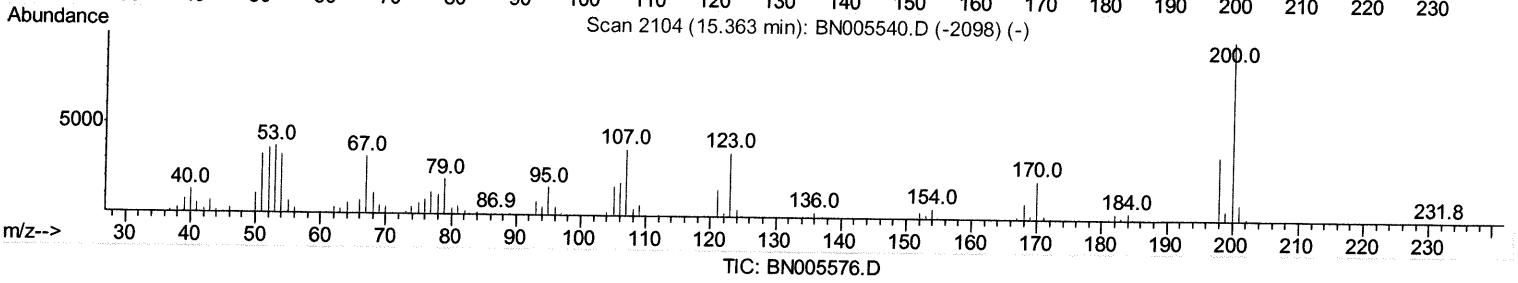
Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM







TIC: BN005576.D

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

15.363min (-15.363) 0.00ng/ul

response 0

Ion	Exp%	Act%
200.00	100	0.00
170.00	22.60	0.00#
52.00	49.60	0.00#
0.00	0.00	0.00

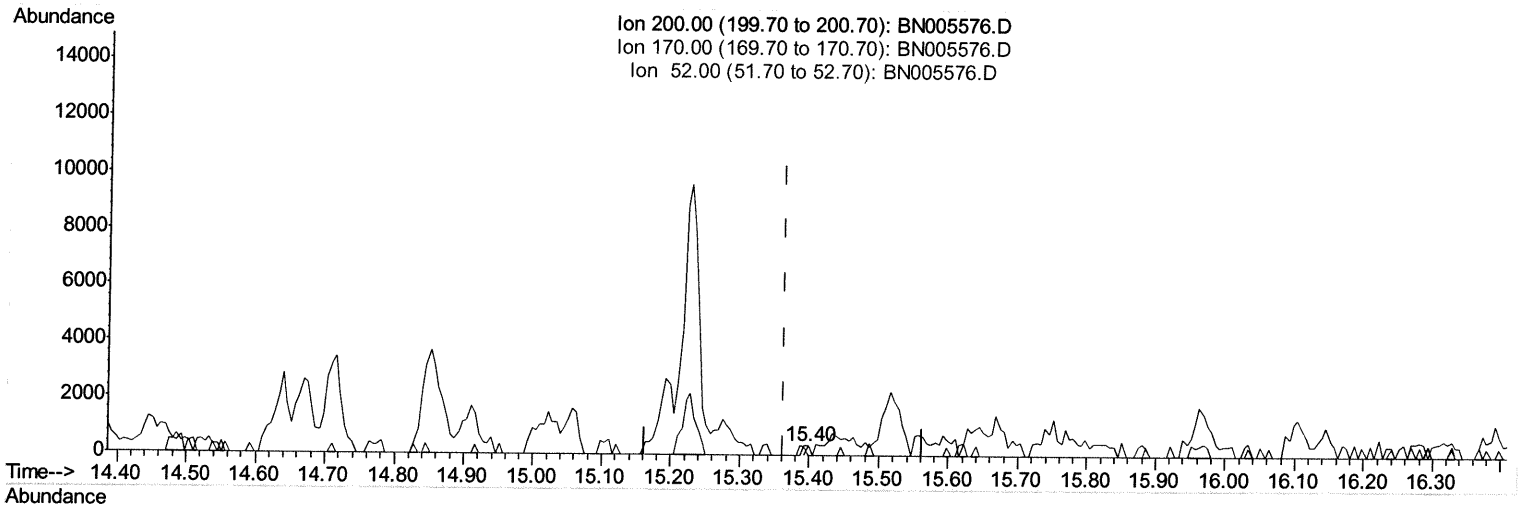
Quantitation Report (Qedit)

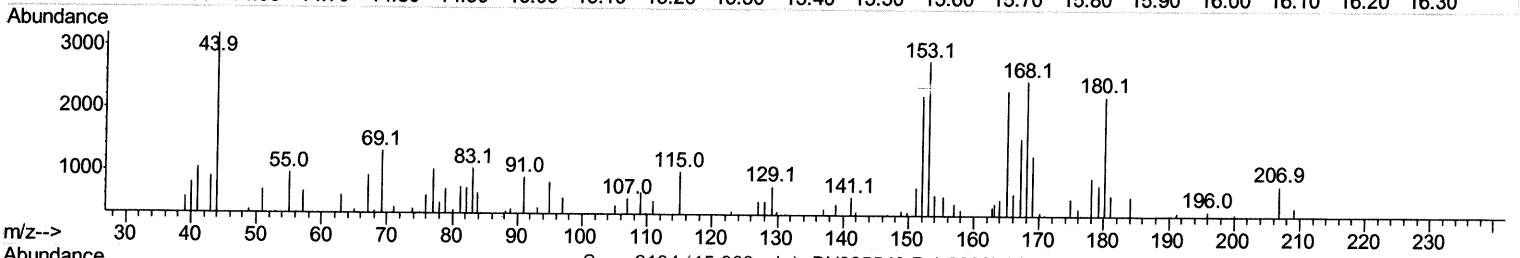
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

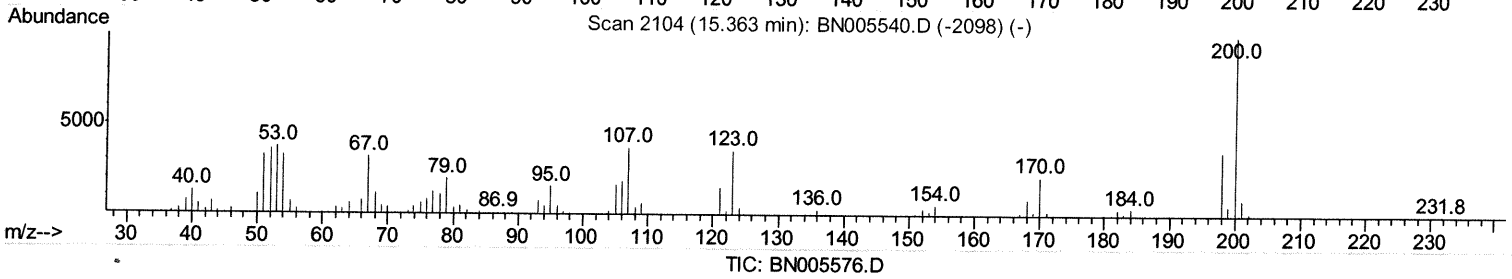
Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM





Scan 2104 (15.363 min): BN005540.D (-2098) (-)



TIC: BN005576.D

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

15.398min (+0.035) 0.01ng/ul m SJ 05/12/19

response 121

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	105.52#
52.00	49.60	0.00#
0.00	0.00	0.00

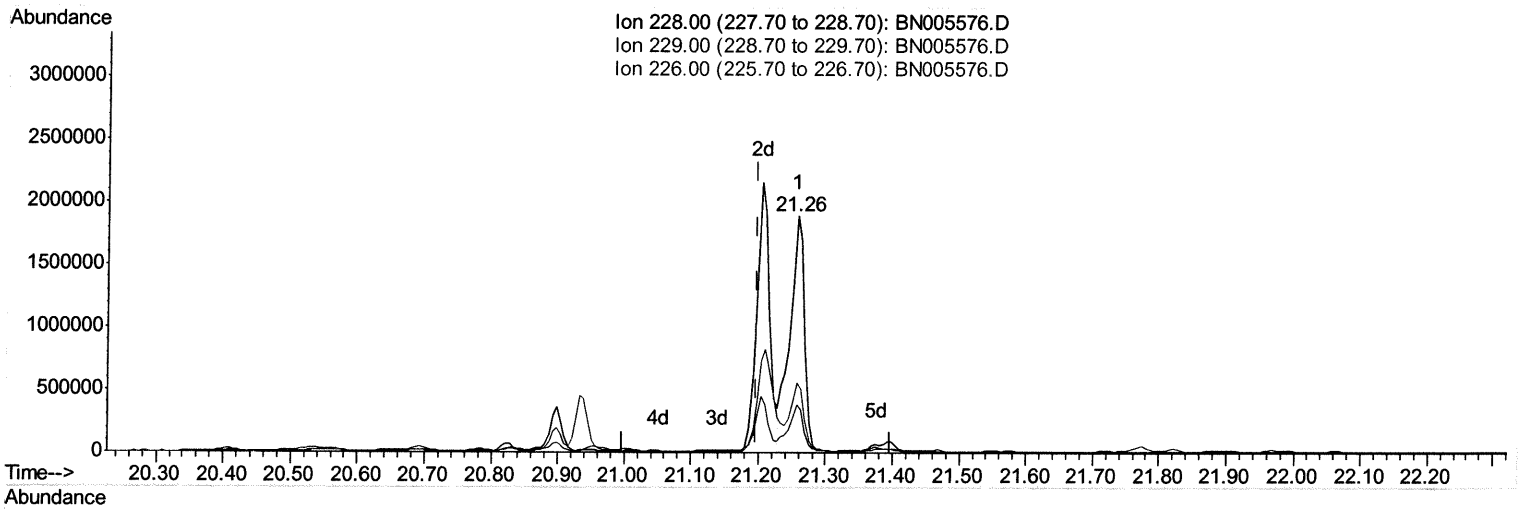
Quantitation Report (Qedit)

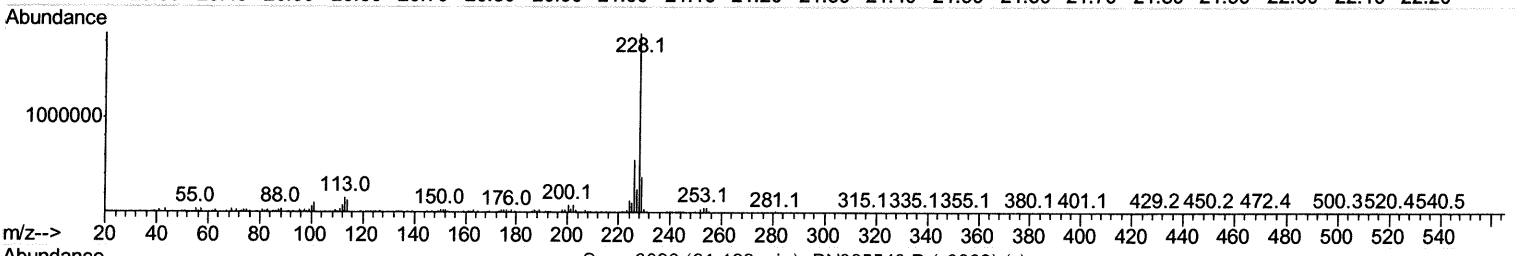
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

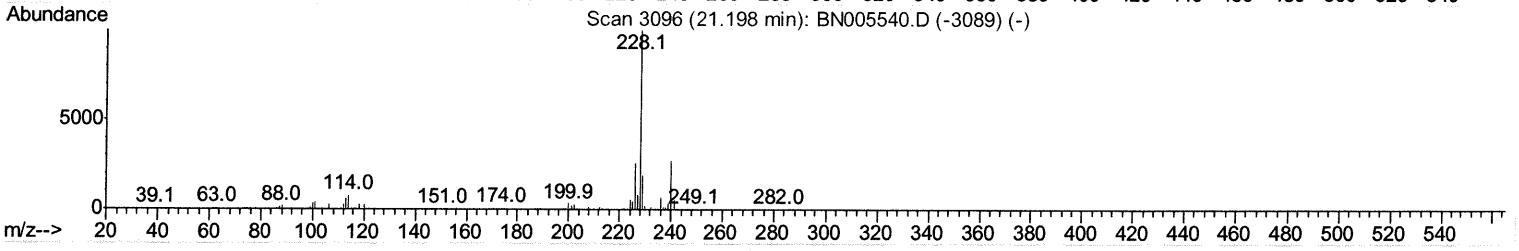
Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM





Scan 3096 (21.198 min): BN005540.D (-3089) (-)



TIC: BN005576.D

(82) Benzo(a)anthracene

21.257min (+0.059) 37.84ng/ul

response 2824573

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.18
226.00	26.80	29.47
0.00	0.00	0.00

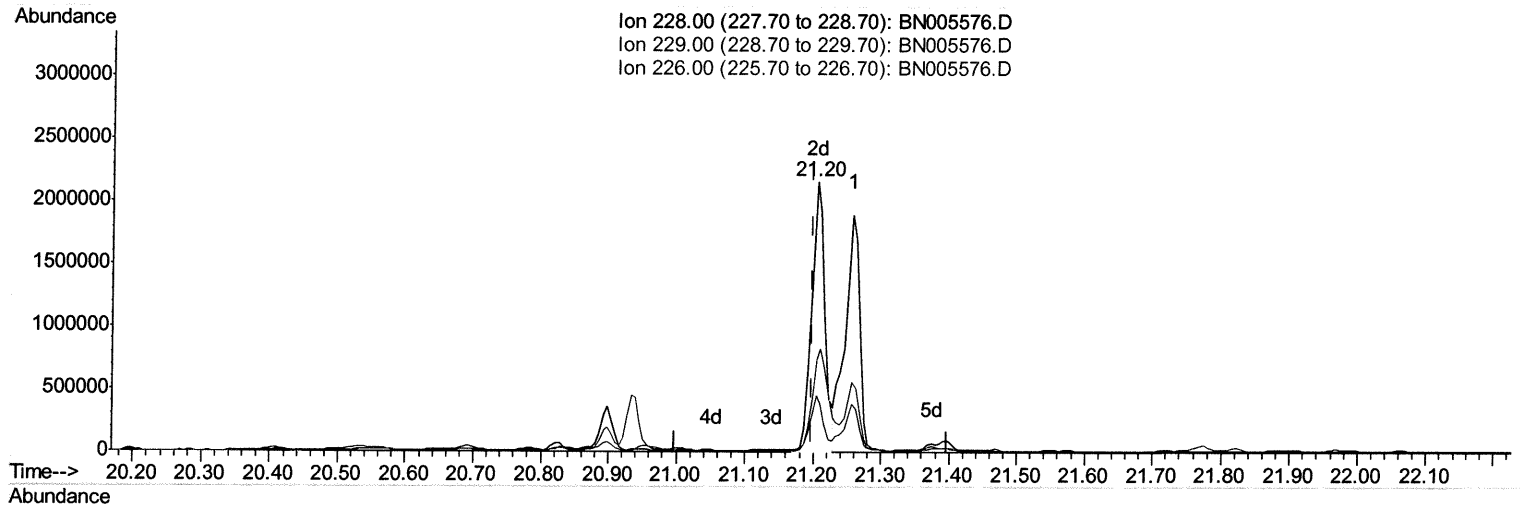
Quantitation Report (Qedit)

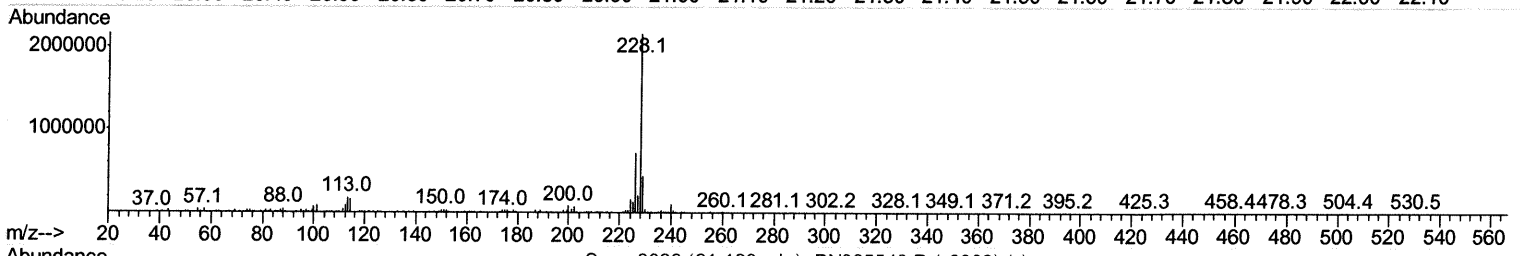
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

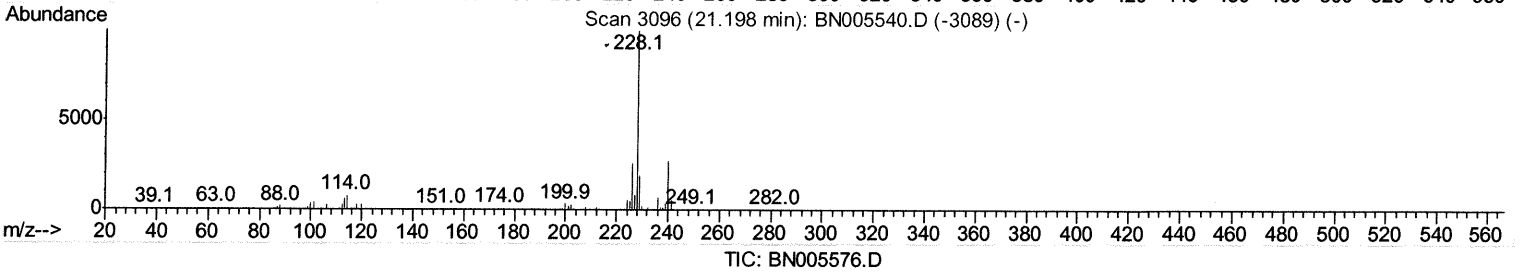
Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM







TIC: BN005576.D

(82) Benzo(a)anthracene

21.204min (+0.006) 39.21ng/ul m SJ 05/12/19

response 2927034

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.84
226.00	26.80	33.88#
0.00	0.00	0.00

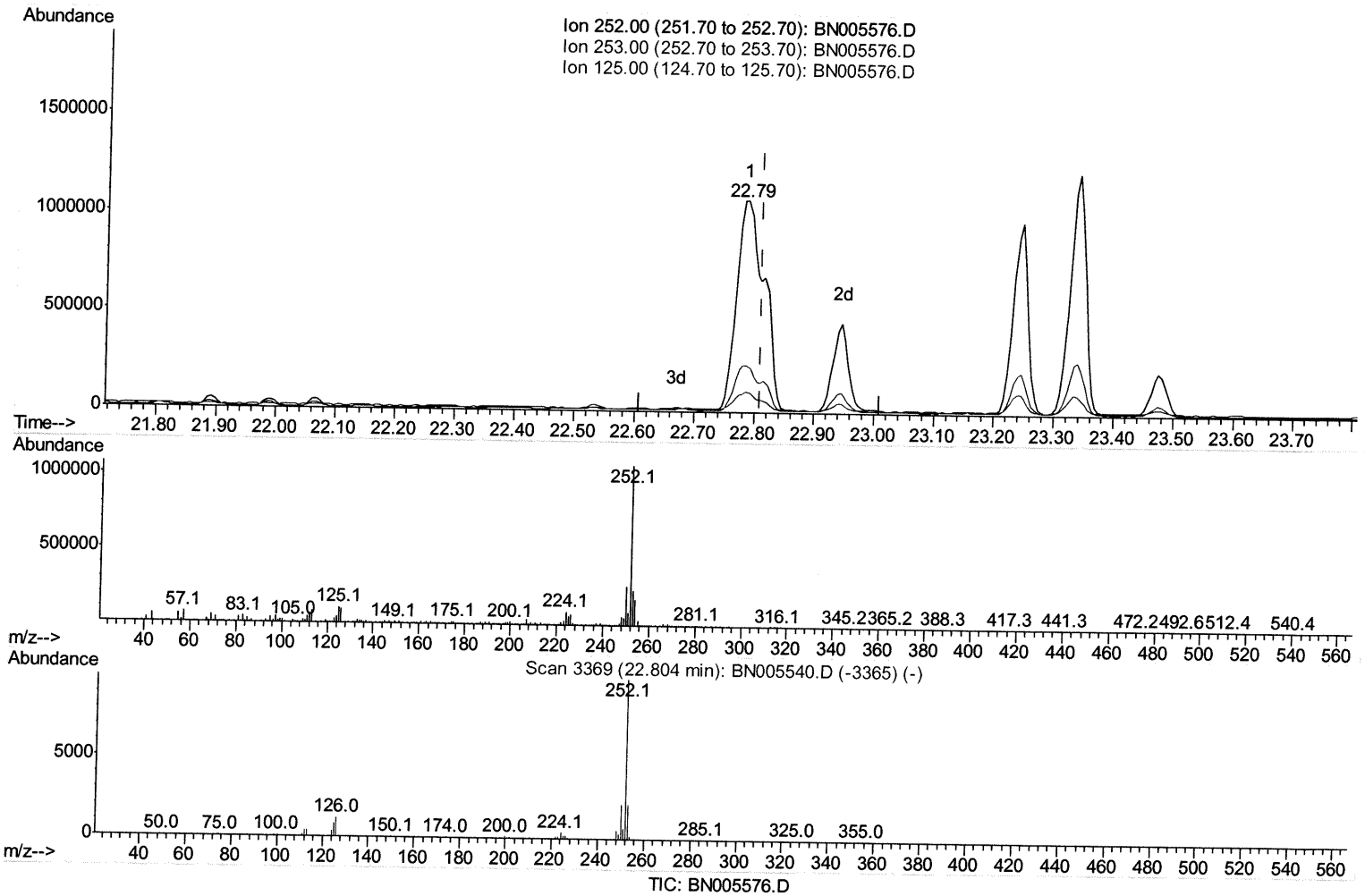
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM



TIC: BN005576.D

(88) Benzo(k)fluoranthene

22.786min (-0.023) 38.41ng/ul

response 2709721

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.09
125.00	9.40	9.89
0.00	0.00	0.00

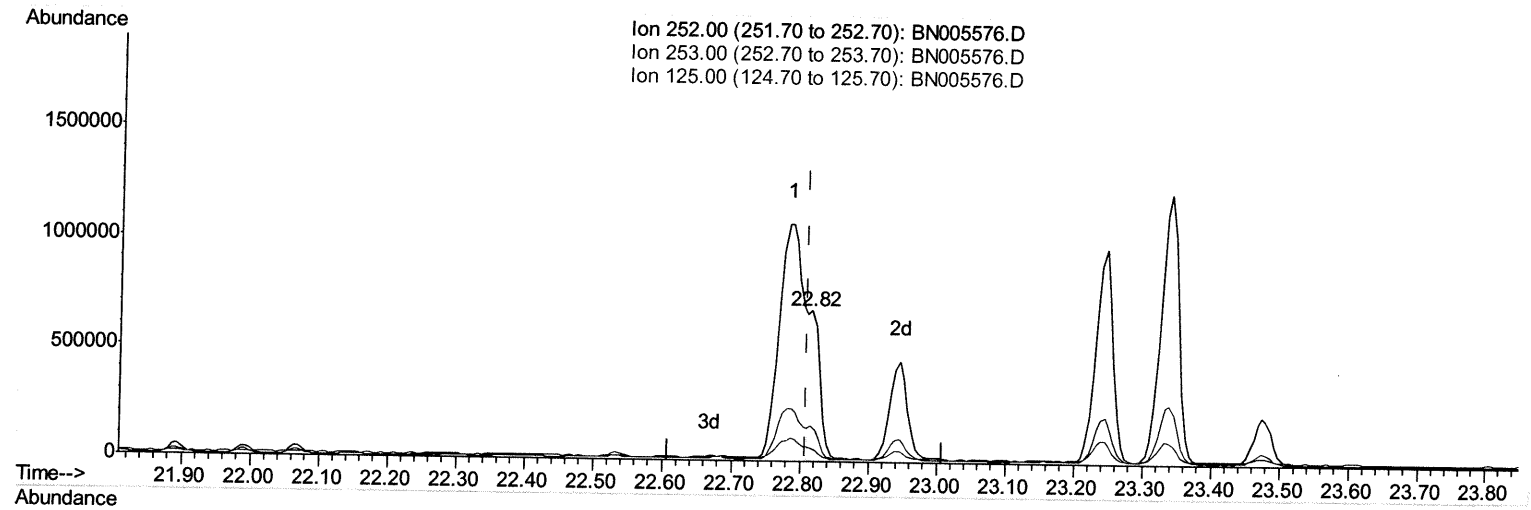
Quantitation Report (Qedit)

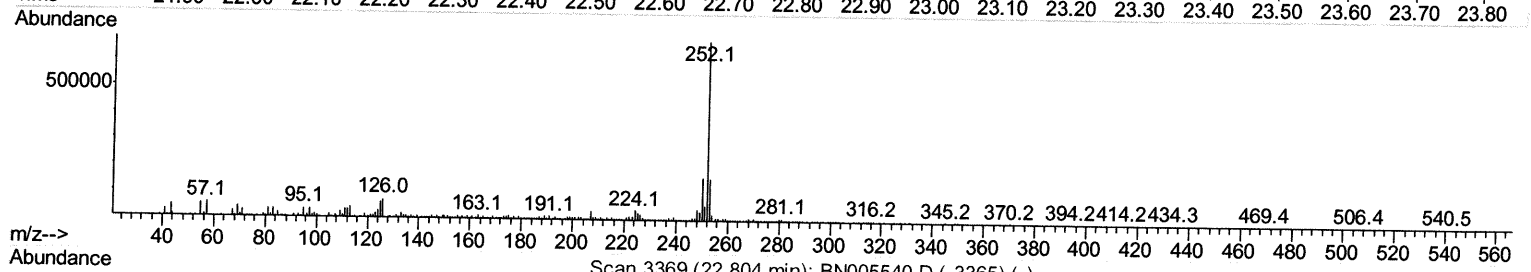
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

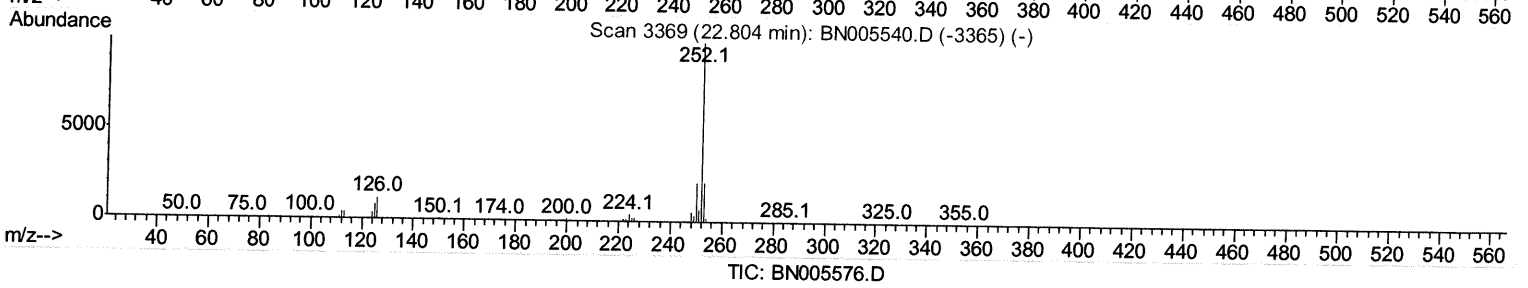
Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM







(88) Benzo(k)fluoranthene

22.816min (+0.006) 9.72ng/ul m SJ 05/12/19

response 685980

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.28
125.00	9.40	9.21
0.00	0.00	0.00

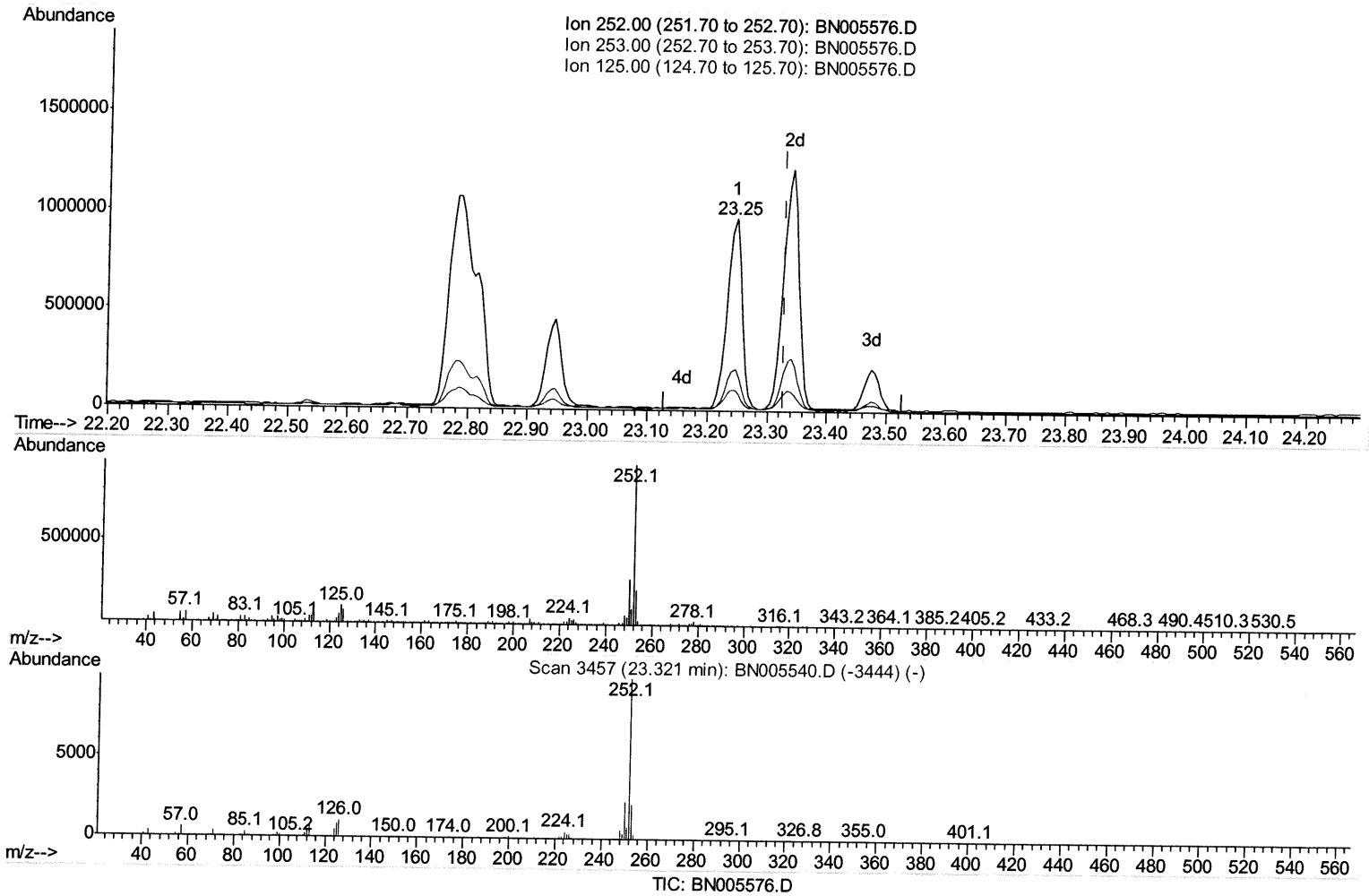
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM



(90) Benzo(a)pyrene (C)

23.245min (-0.082) 23.96ng/ul

response 1663561

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.84
125.00	10.80	10.92
0.00	0.00	0.00

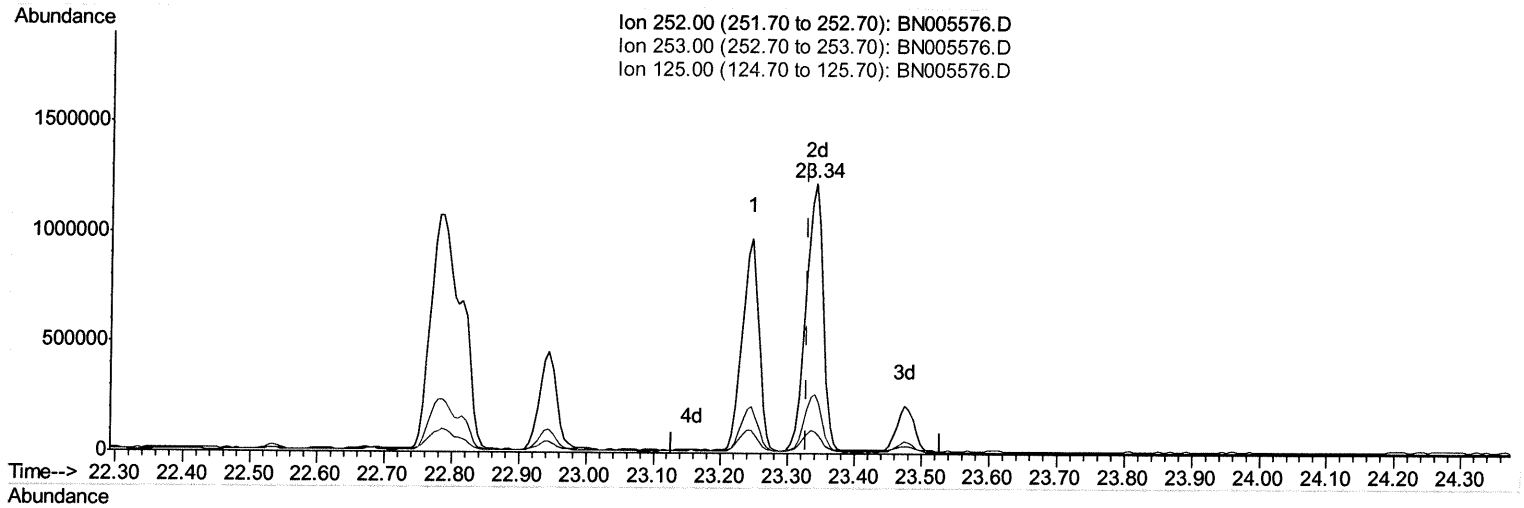
Quantitation Report (Qedit)

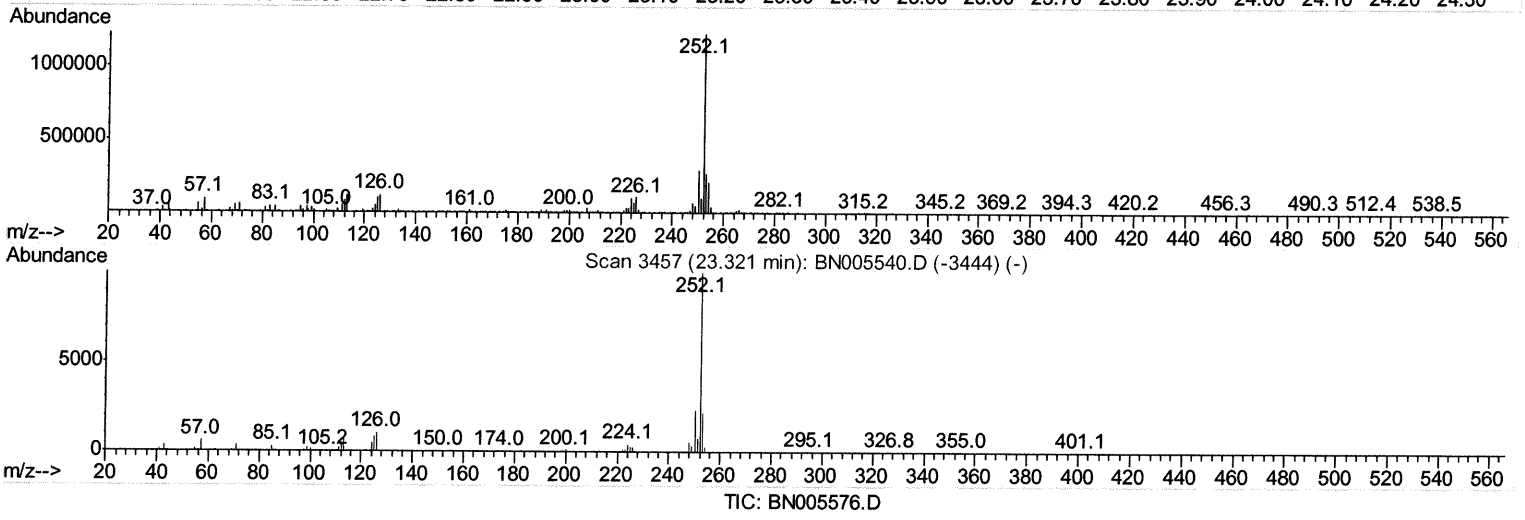
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 10 02:05:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM





(90) Benzo(a)pyrene (C)

23.339min (+0.012) 31.57ng/ul m SJ 05/12/19

response 2191969

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.87
125.00	10.80	8.31#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ89

Manual Integrations APPROVED
Sohil
5/10/2019 1:19:40 PM

Quant Time: May 10 02:08:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	340219	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1464877	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	894387	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1910326	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1200005	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1313997	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.21	96	1685	0.24	ng/uL	0.00
5) Phenol-d5	6.78	99	46552	1.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	26456	1.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	41038	2.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	36120	1.73	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	19546	2.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	17626	1.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	41333m	1.97	ng/ul	0.03 SJ05/12/19
29) 4-Chloroaniline-d4	10.52	131	22157m	1.03	ng/ul	0.02 SJ 05/12/19
43) Dimethylphthalate-d6	13.64	166	132966	2.05	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	170938	2.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	12216m	1.19	ng/ul	0.04 SJ 05/12/19
57) Fluorene-d10	15.23	176	121662	2.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	121m	0.01	ng/ul	0.04 SJ 05/12/19
70) Anthracene-d10	17.08	188	182697	2.28	ng/ul	0.00
78) Pyrene-d10	19.40	212	162042	2.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	128009	2.23	ng/ul	0.01
Target Compounds						Qvalue
47) Acenaphthylene	13.95	152	1338254	17.077	ng/ul	99
58) Fluorene	15.30	166	72265	1.202	ng/ul#	61
69) Phenanthrene	17.03	178	425476	4.573	ng/ul	100
71) Anthracene	17.12	178	920962	9.717	ng/ul	99
76) Fluoranthene	19.06	202	3882966	37.628	ng/ul	96
79) Pyrene	19.43	202	7019672	90.852	ng/ul	95
82) Benzo(a)anthracene	21.20	228	2927034m	39.209	ng/ul	SJ 05/12/19
84) Chrysene	21.26	228	2829274	40.836	ng/ul	99
87) Benzo(b)fluoranthene	22.79	252	2709721	36.686	ng/ul	99
88) Benzo(k)fluoranthene	22.82	252	685980m	9.724	ng/ul	SJ 05/12/19
90) Benzo(a)pyrene	23.34	252	2191969m	31.572	ng/ul	SJ 05/12/19
91) Indeno(1,2,3-cd)pyrene	25.63	276	1299617	16.931	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.62	278	436206	6.696	ng/ul	96
93) Benzo(g,h,i)perylene	26.30	276	1312572	20.680	ng/ul#	94

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