

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

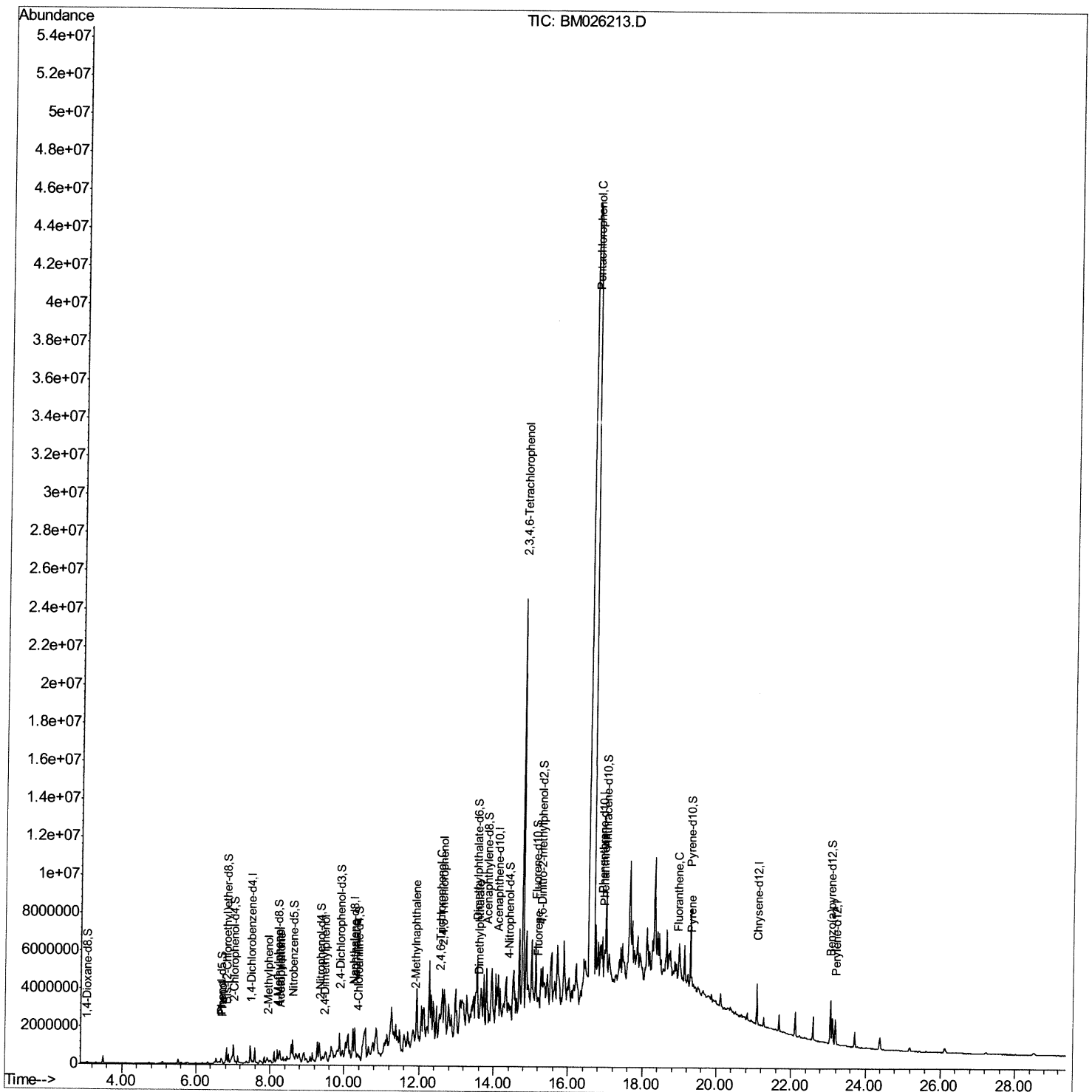
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 11:03:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
 Data File : BM026213.D
 Acq On : 02 Jun 2020 00:53
 Operator : JU/CG
 Sample : L2829-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

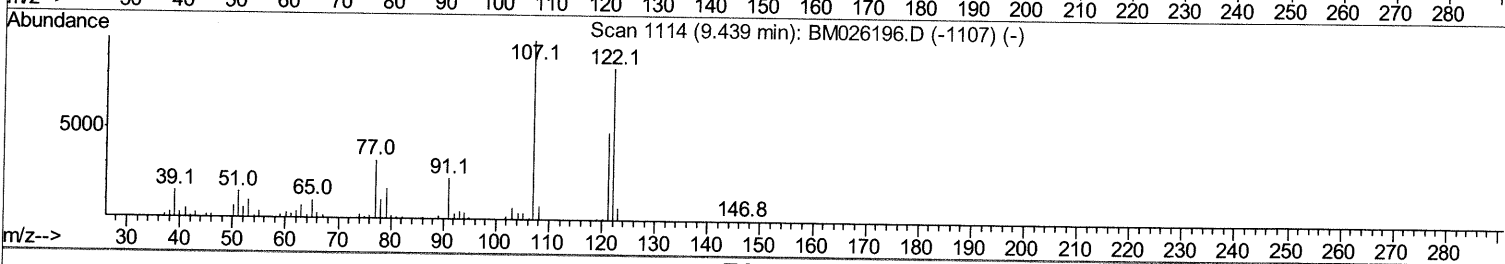
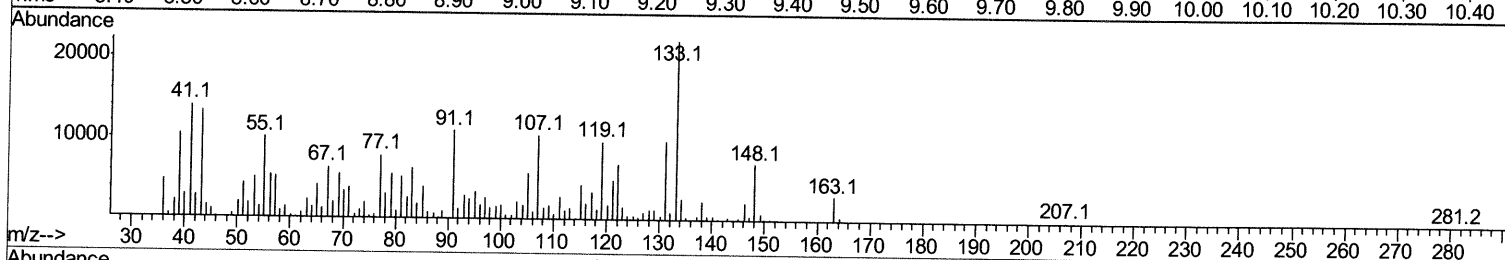
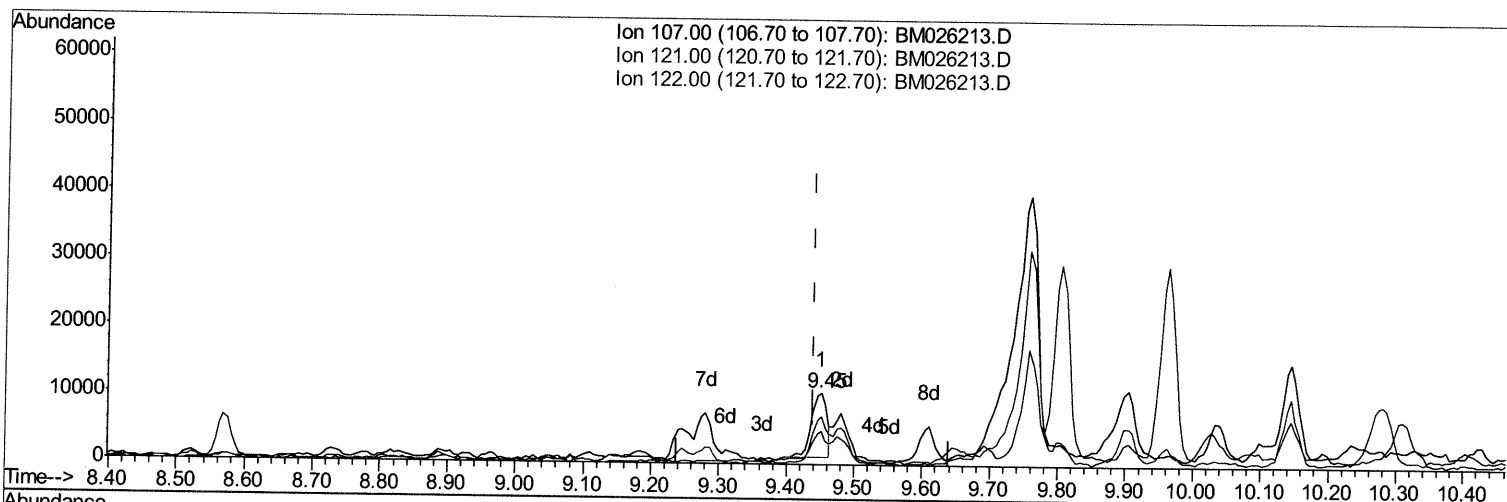
Instrument :
 BNA_M
 ClientSampleId :
 C5CE4

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:10:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 01 16:59:35 2020
 Response via : Initial Calibration



TIC: BM026213.D

(24) 2,4-Dimethylphenol

9.451min (+0.012) 1.01ng/ul

response 15538

Ion	Exp%	Act%
107.00	100	100
121.00	46.90	47.24
122.00	79.70	67.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
 Data File : BM026213.D
 Acq On : 02 Jun 2020 00:53
 Operator : JU/CG
 Sample : L2829-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

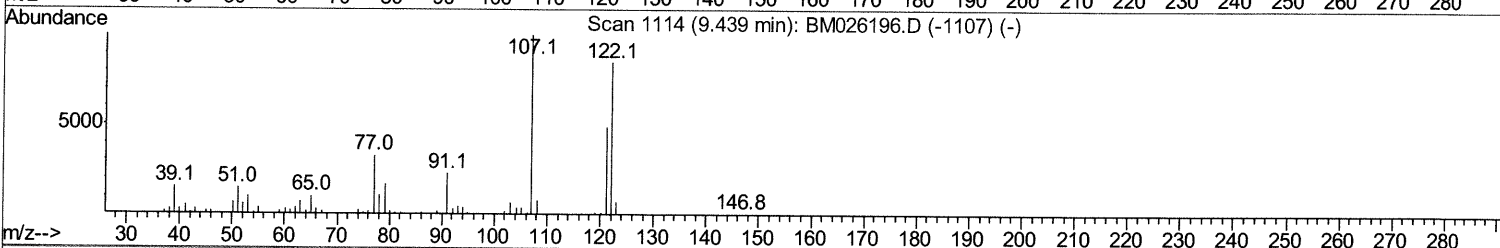
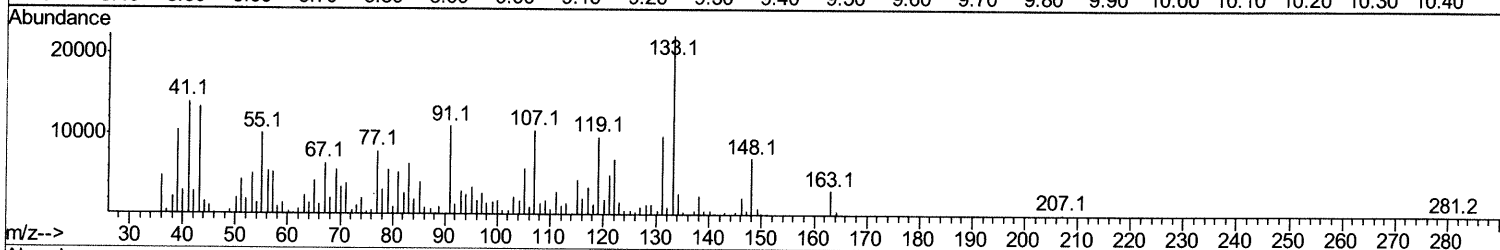
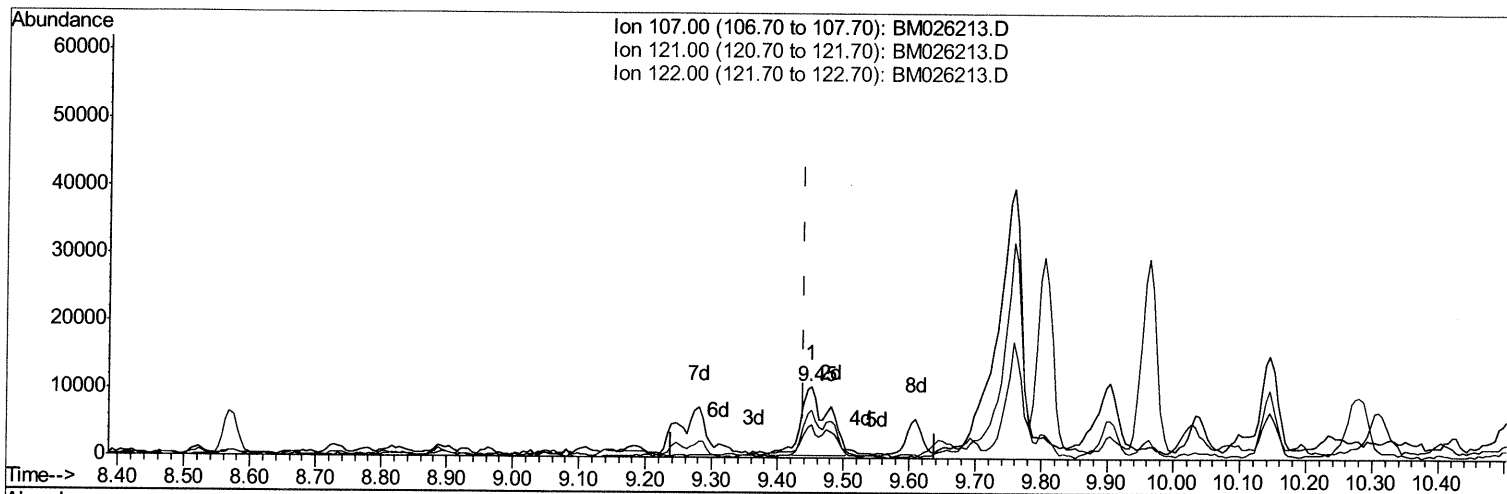
Instrument :
 BNA_M
 ClientSampleId :
 C5CE4

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:10:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 01 16:59:35 2020
 Response via : Initial Calibration



TIC: BM026213.D

(24) 2,4-Dimethylphenol

9.451min (+0.012) 1.89ng/ul m 6/6/04/20 JU

response 29123

Ion	Exp%	Act%
107.00	100	100
121.00	46.90	47.24
122.00	79.70	67.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

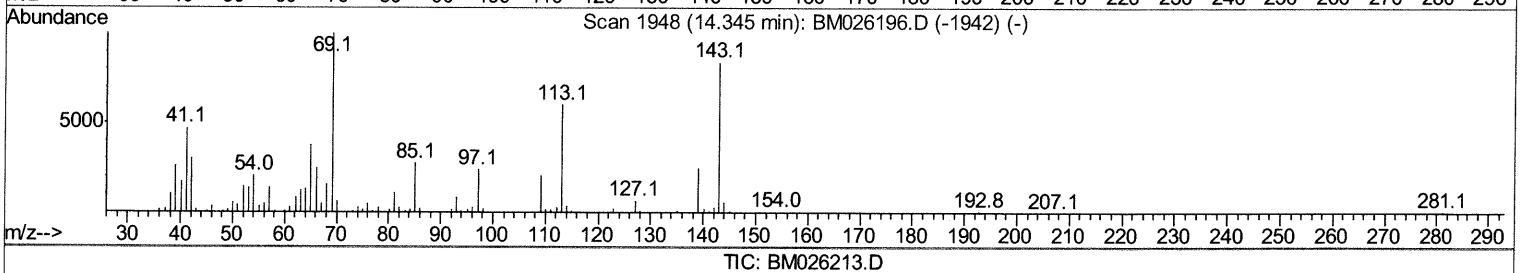
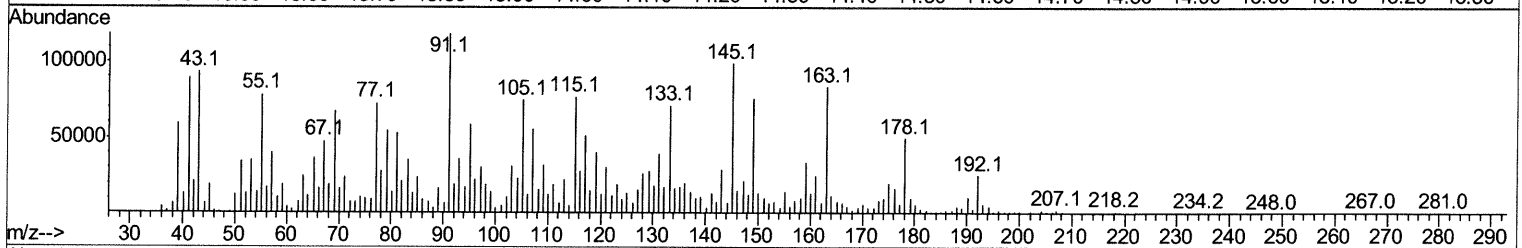
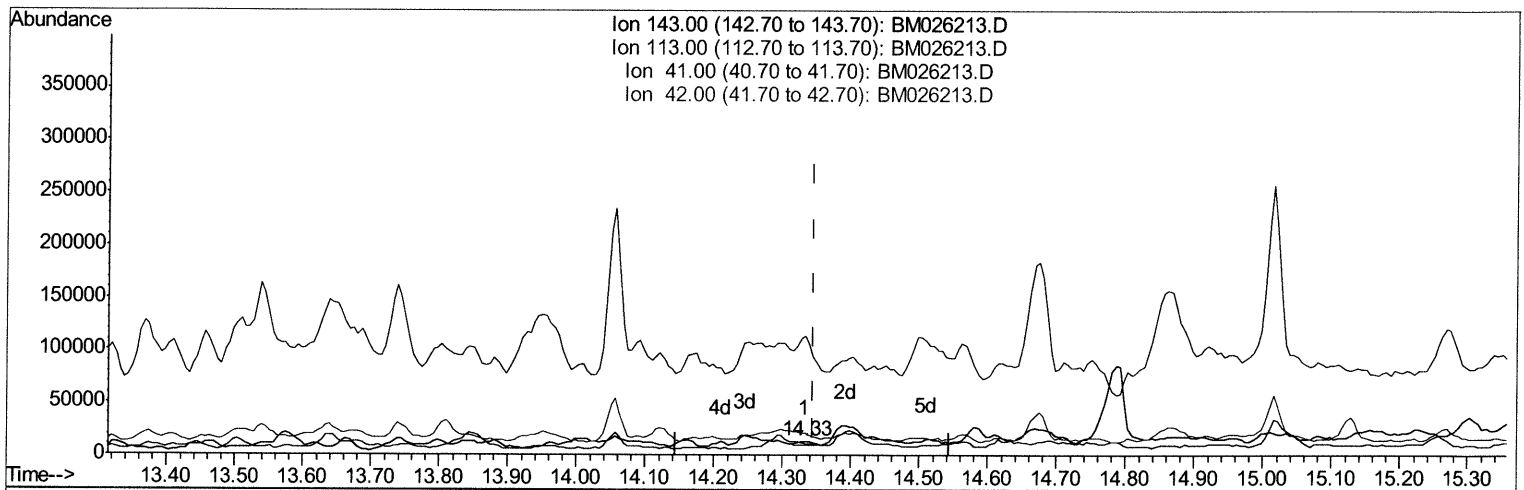
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:10:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



(52) 4-Nitrophenol-d4 (S)

14.333min (-0.012) 0.93ng/ul

response 6200

Ion	Exp%	Act%
143.00	100	100
113.00	78.70	81.49
41.00	55.00	852.44#
42.00	34.20	155.57#

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
 Data File : BM026213.D
 Acq On : 02 Jun 2020 00:53
 Operator : JU/CG
 Sample : L2829-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

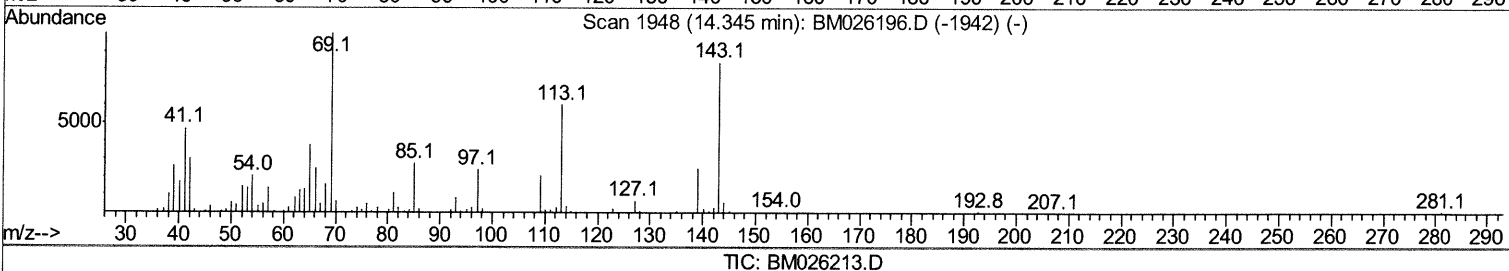
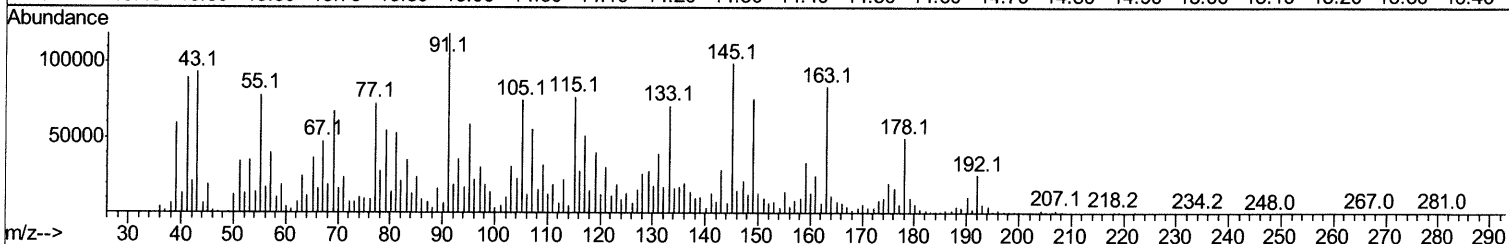
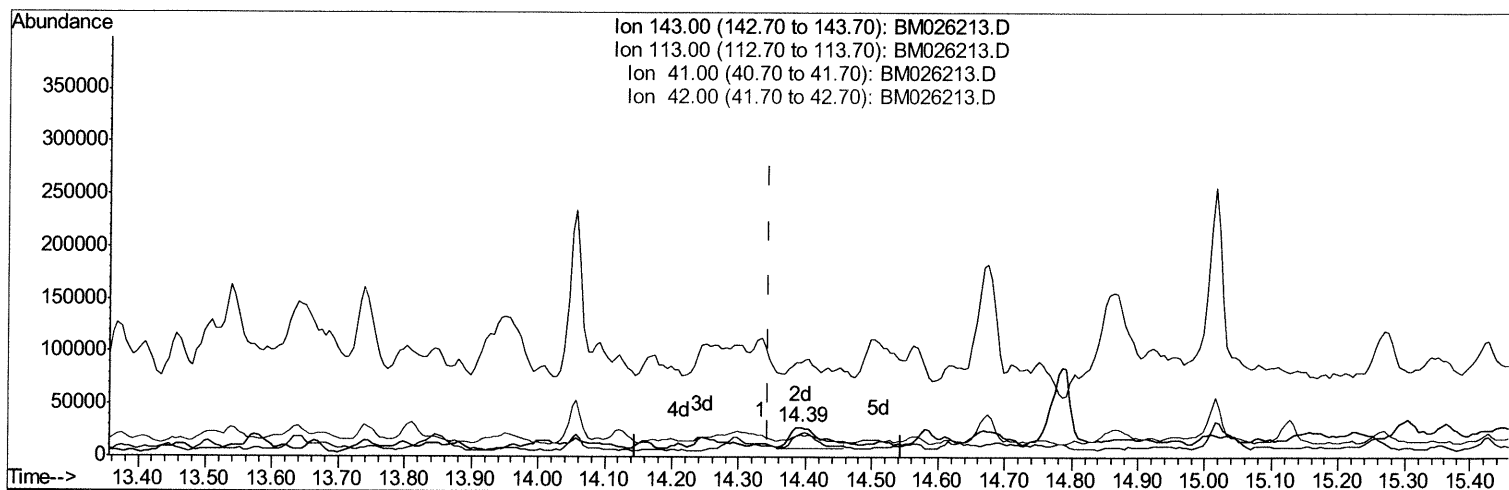
Instrument :
 BNA_M
 ClientSampleId :
 C5CE4

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:10:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 01 16:59:35 2020
 Response via : Initial Calibration



(52) 4-Nitrophenol-d4 (S)

14.392min (+0.047) 9.73ng/ul m

06/04/20 JU

response 64994

Ion	Exp%	Act%
143.00	100	100
113.00	78.70	76.36
41.00	55.00	313.98#
42.00	34.20	74.09#

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
 Data File : BM026213.D
 Acq On : 02 Jun 2020 00:53
 Operator : JU/CG
 Sample : L2829-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

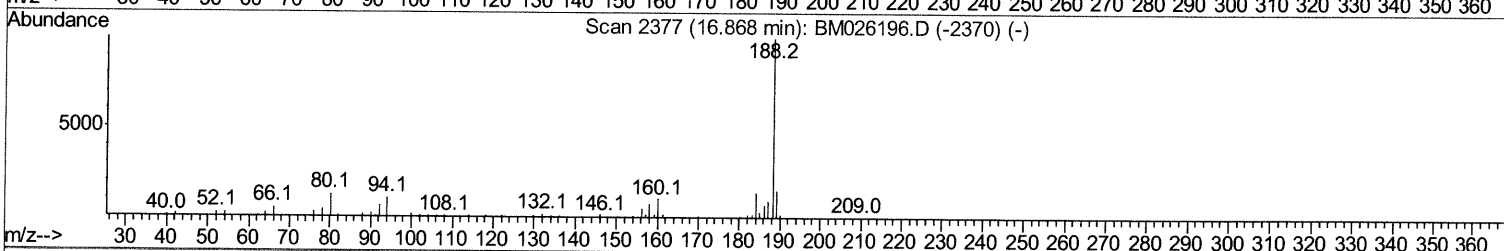
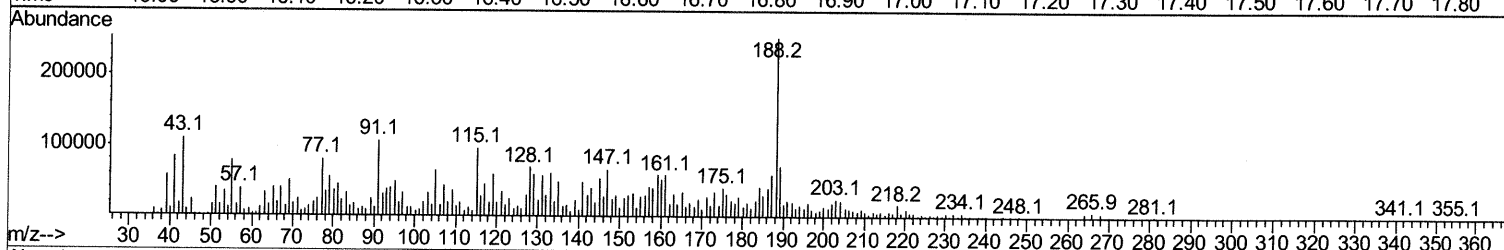
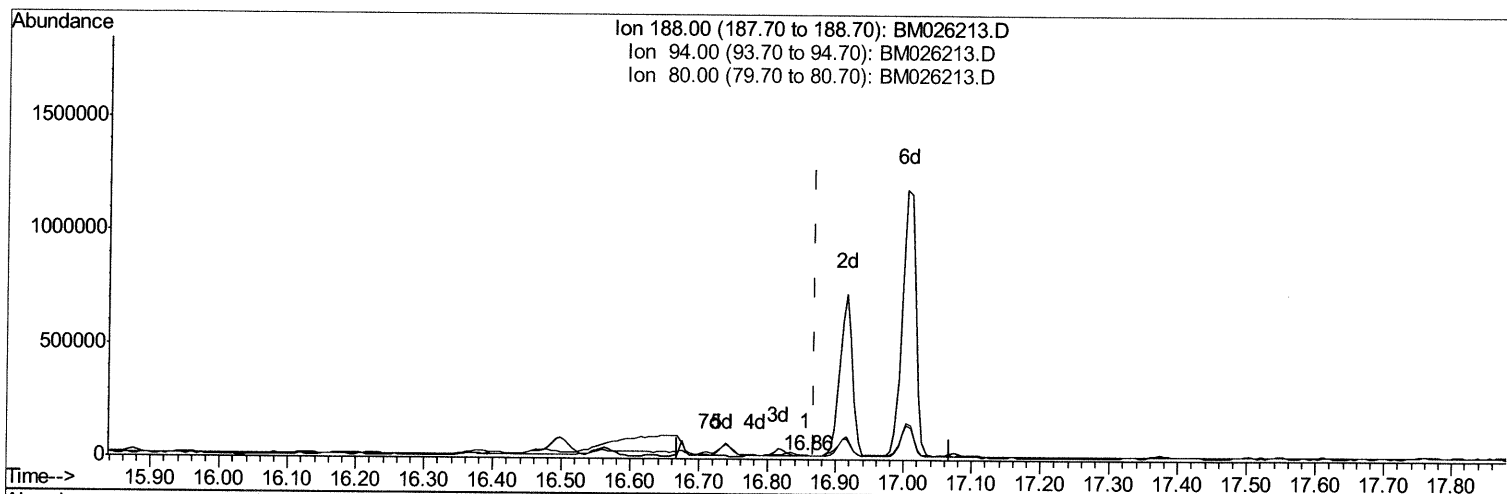
Instrument :
 BNA_M
 ClientSampleId :
 C5CE4

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:10:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 01 16:59:35 2020
 Response via : Initial Calibration



TIC: BM026213.D

(62) Phenanthrene-d10 (I)

16.856min (-0.012) 20.00ng/ul

response 7467

Ion	Exp%	Act%
188.00	100	100
94.00	10.10	97.74#
80.00	13.40	78.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

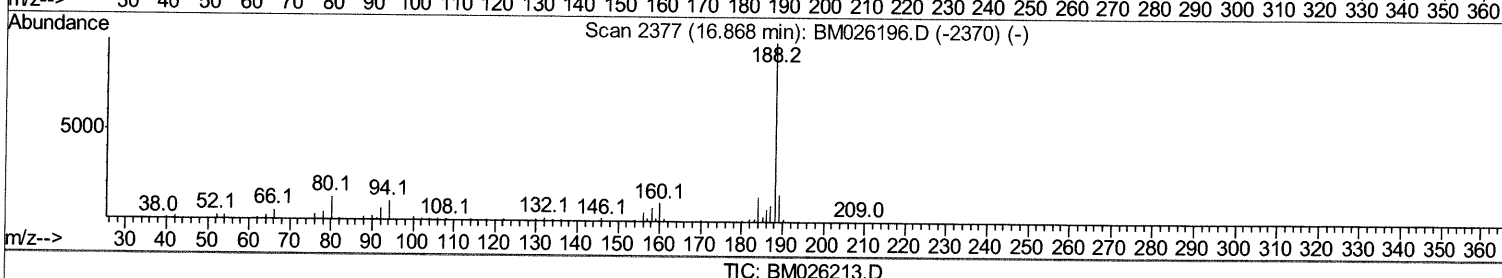
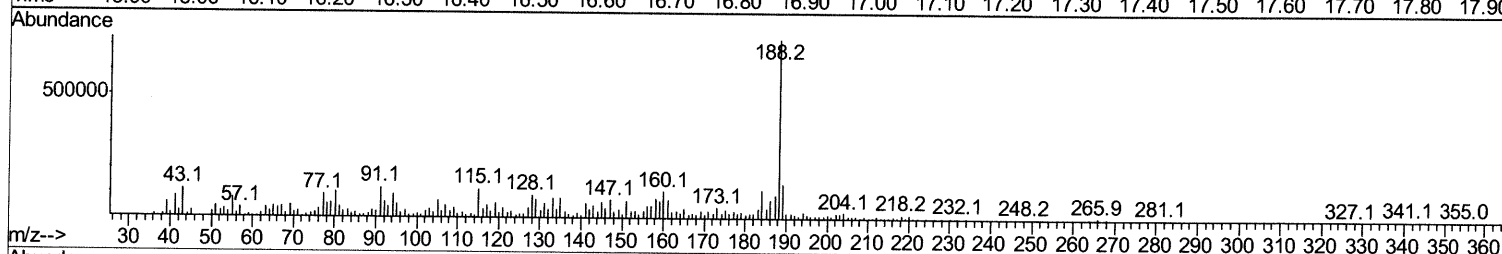
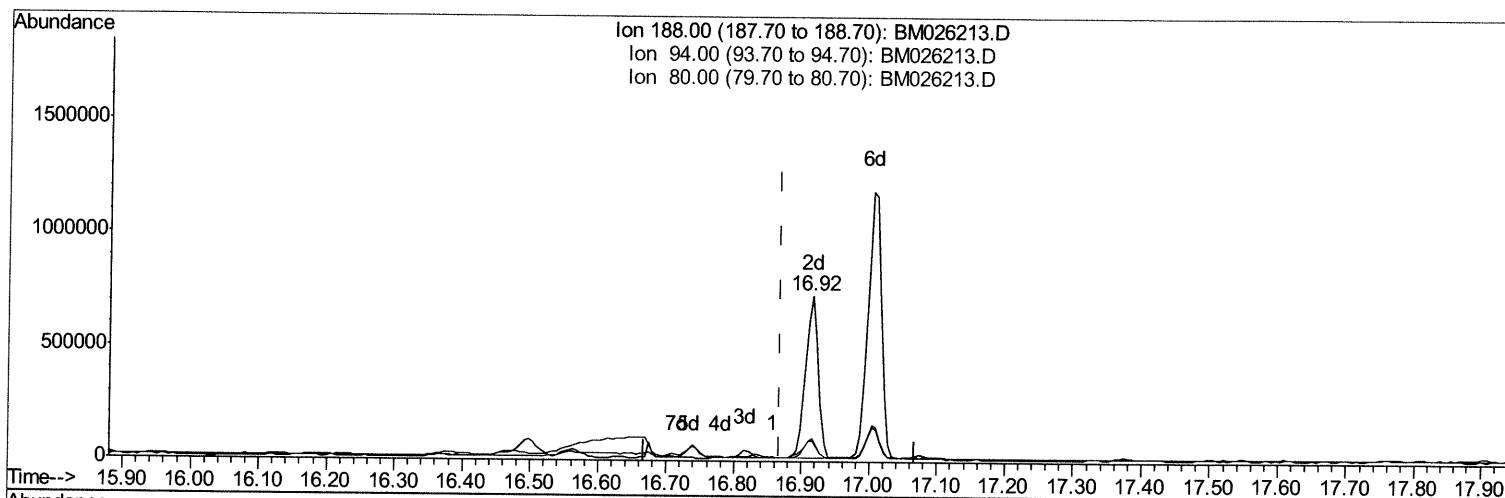
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:10:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

16.915min (+0.047) 20.00ng/ul m 06/04/20 JU

response 930788

Ion	Exp%	Act%
188.00	100	100
94.00	10.10	12.90#
80.00	13.40	14.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

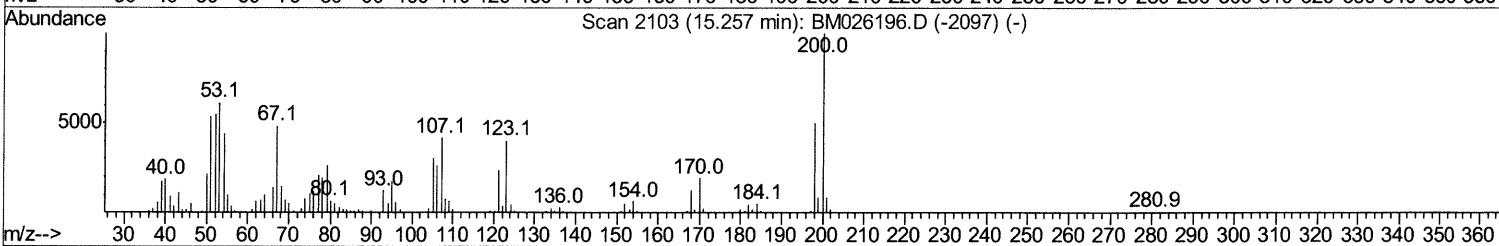
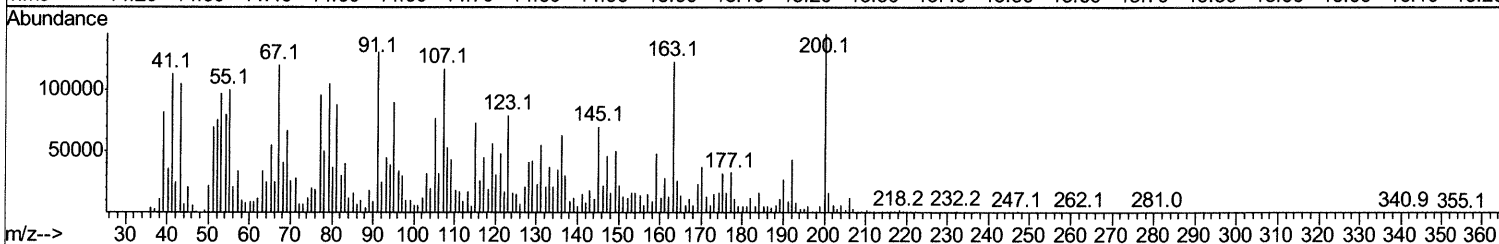
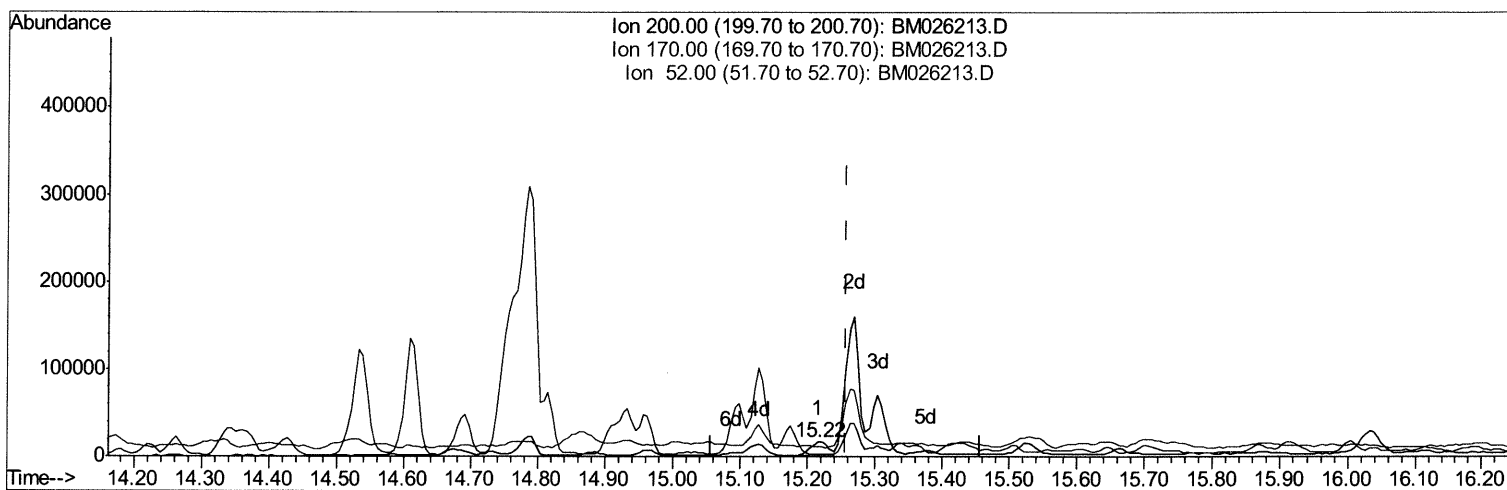
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:14:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



TIC: BM026213.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.215min (-0.041) 5.18ng/ul

response 28138

Ion	Exp%	Act%
200.00	100	100
170.00	20.50	16.59
52.00	61.10	68.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

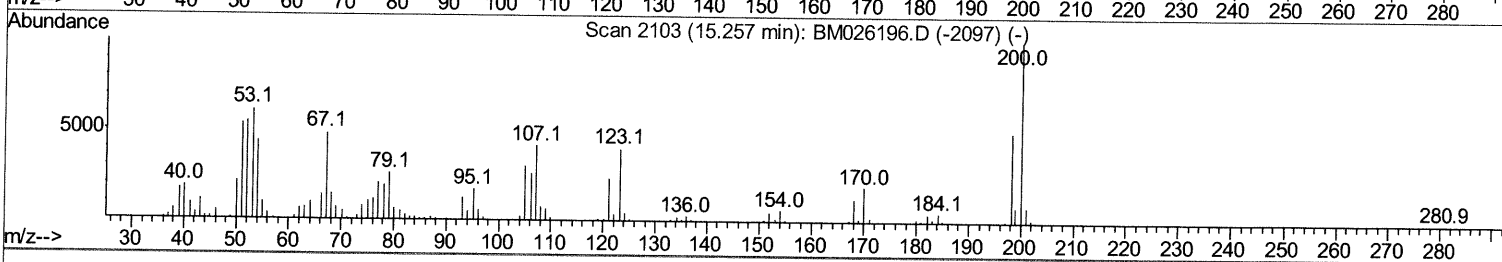
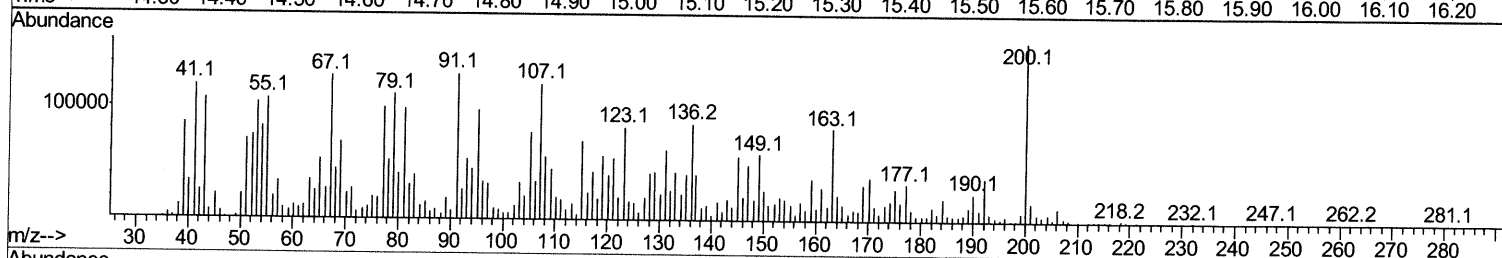
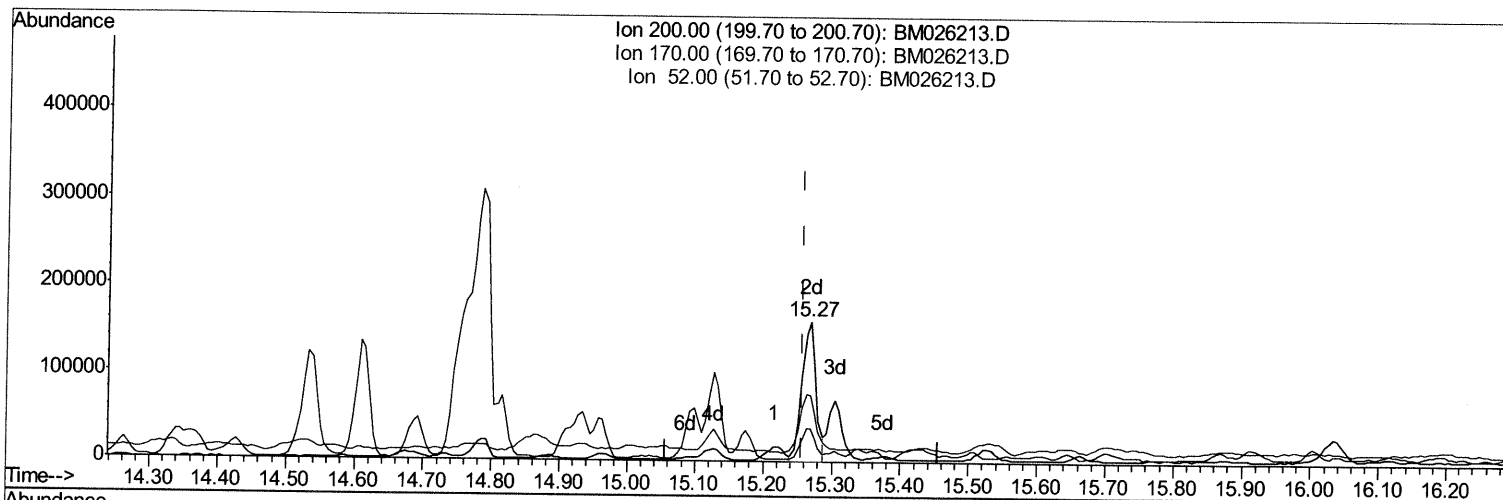
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:19:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



TIC: BM026213.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.268min (+0.012) 42.30ng/ul m 06/04/20 JU

response 229559

Ion	Exp%	Act%
200.00	100	100
170.00	20.50	23.74
52.00	61.10	46.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

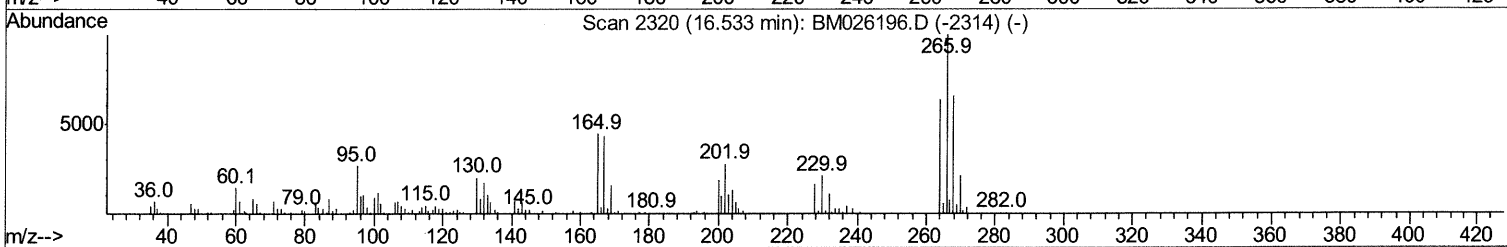
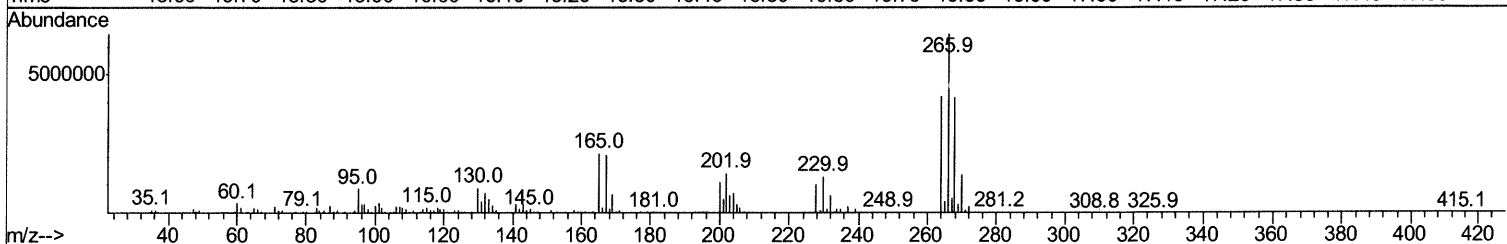
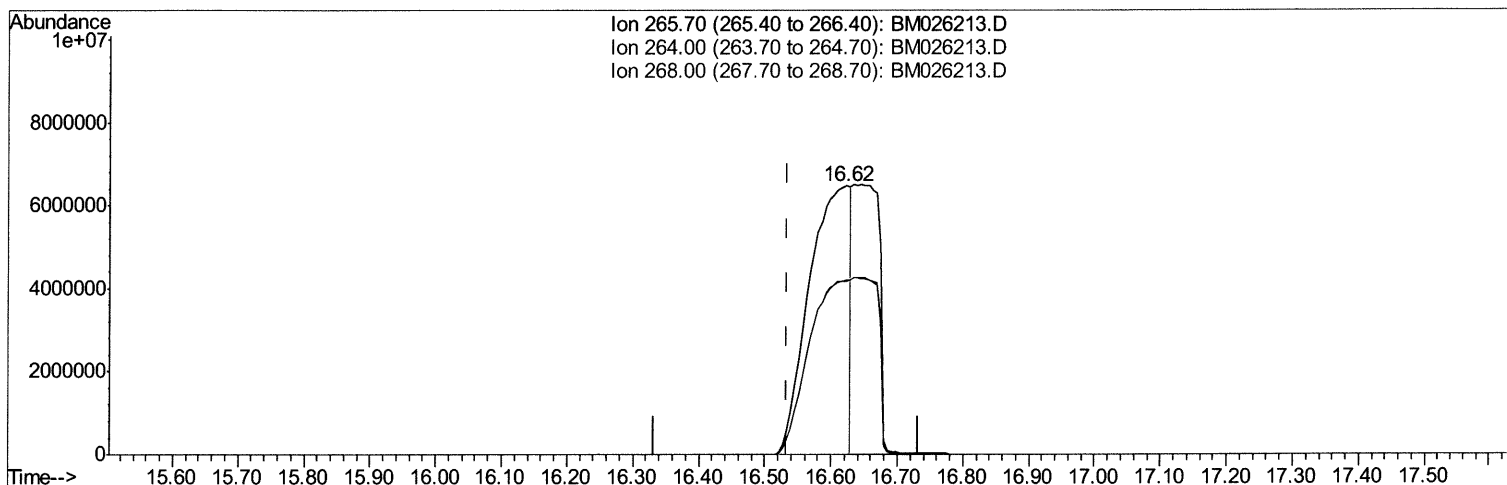
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



TIC: BM026213.D

(69) Pentachlorophenol (C)

16.621min (+0.088) 4042.15ng/ul

response 27131357

Ion	Exp%	Act%
265.70	100	100
264.00	61.60	64.98
268.00	65.50	64.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

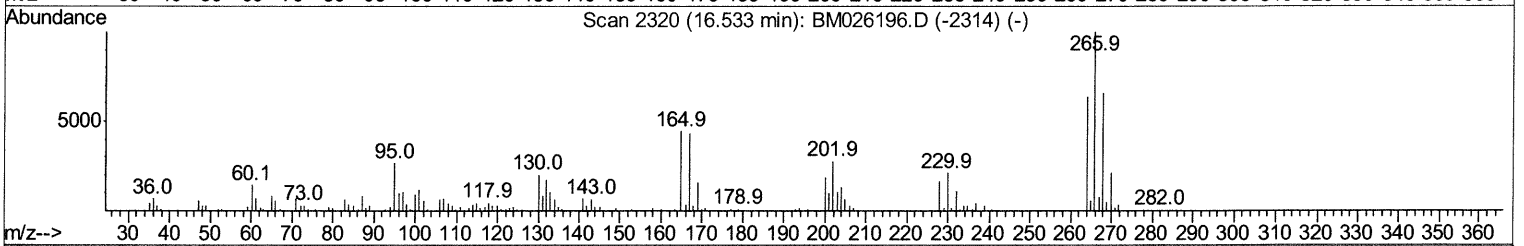
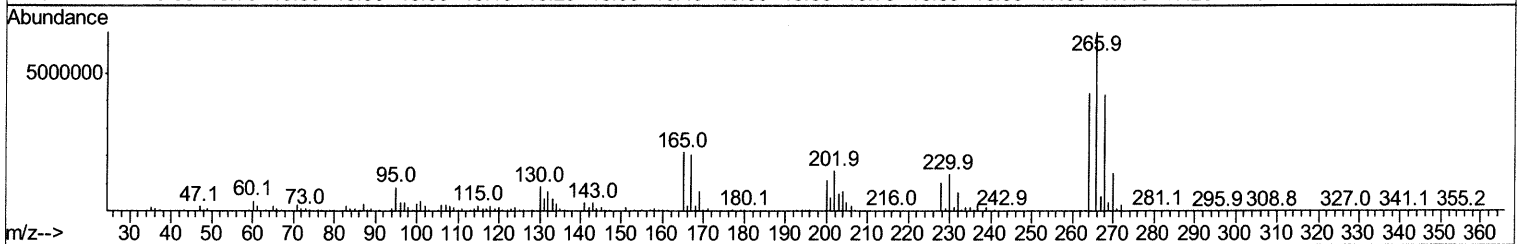
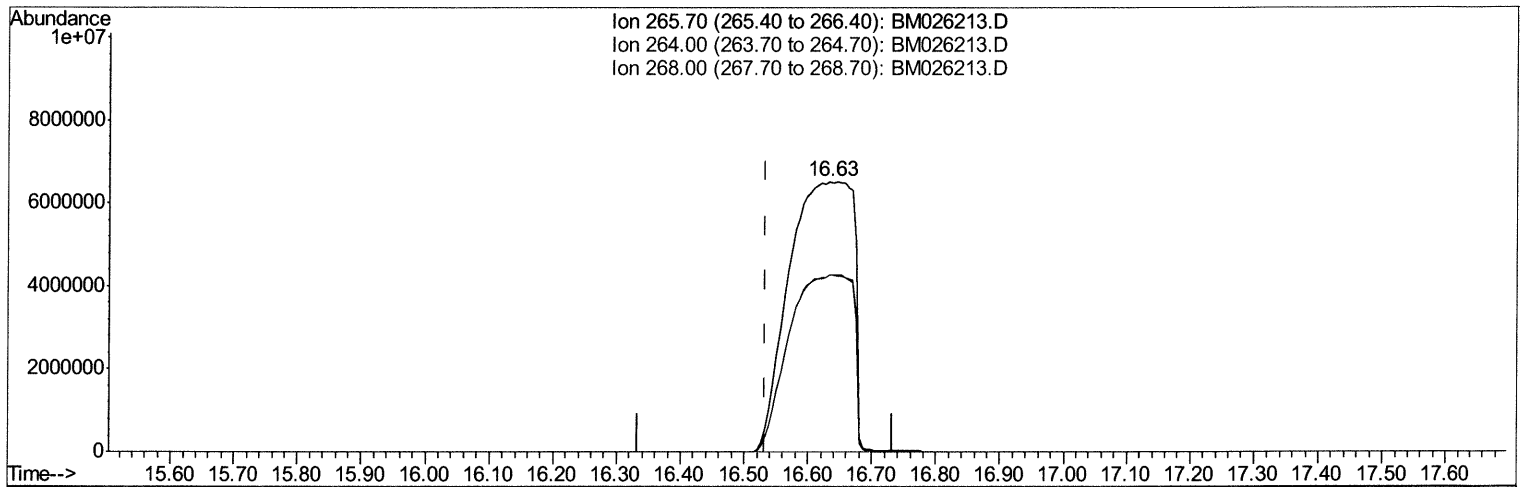
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:15:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



TIC: BM026213.D

(69) Pentachlorophenol (C)

16.633min (+0.100) 6707.20ng/ul m 06/04/20 JU

response 45019475

Ion	Exp%	Act%
265.70	100	100
264.00	61.60	65.62
268.00	65.50	65.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

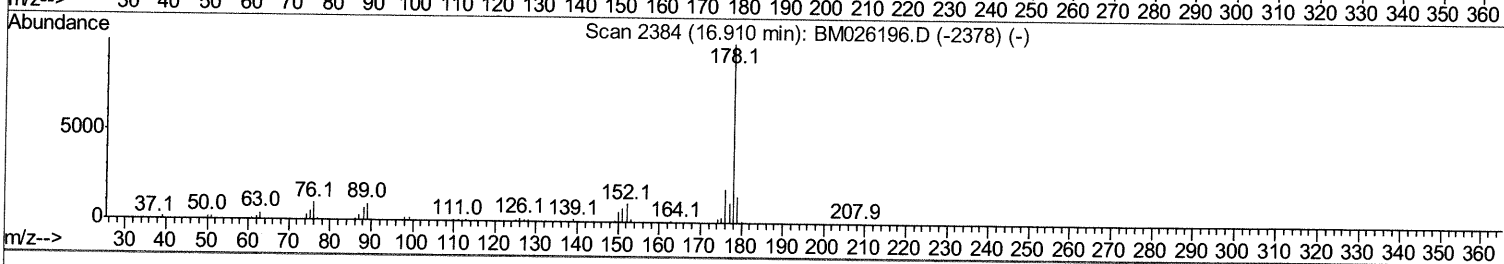
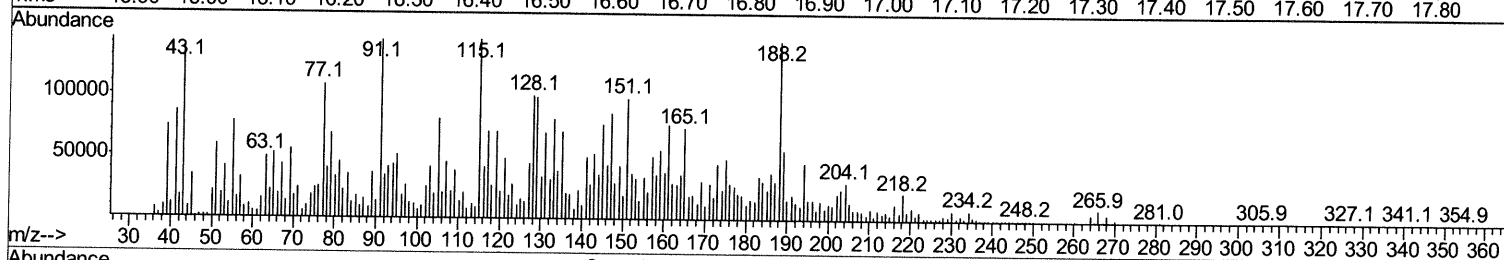
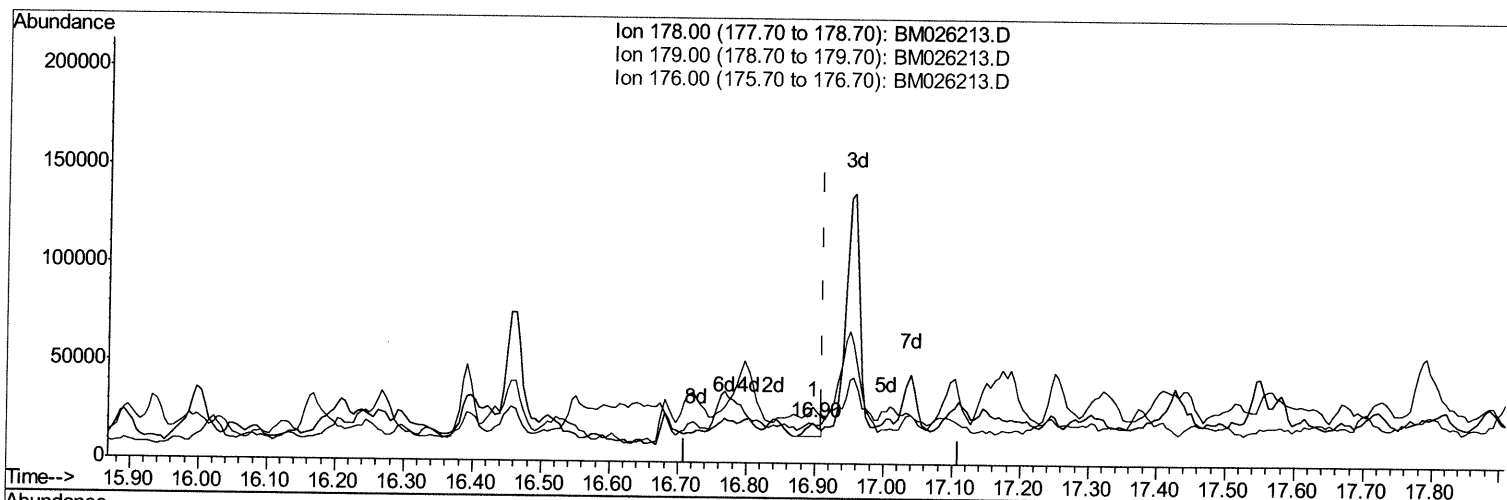
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:17:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



TIC: BM026213.D

(70) Phenanthrene

16.898min (-0.012) 0.15ng/ul

response 8828

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	96.94#
176.00	18.60	138.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

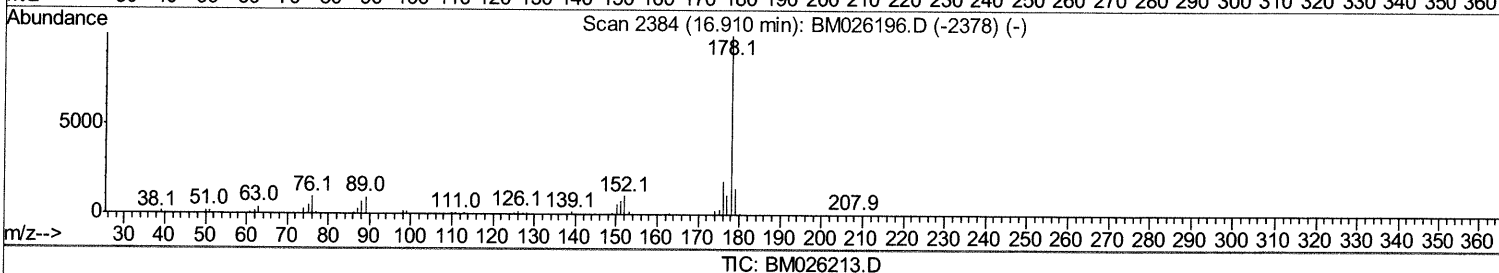
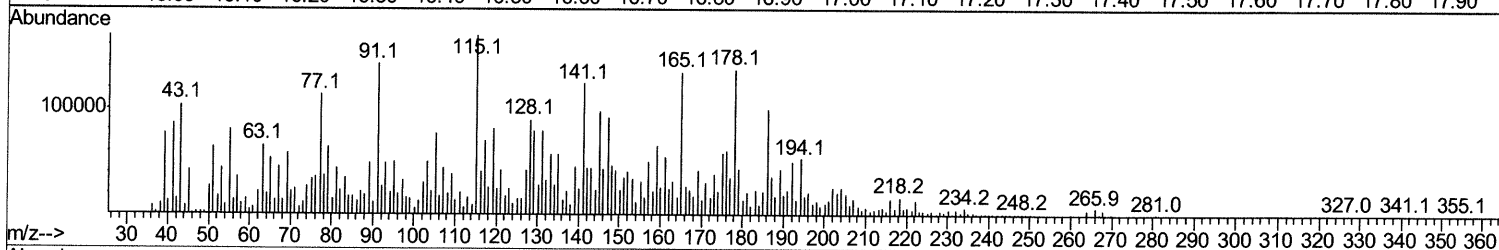
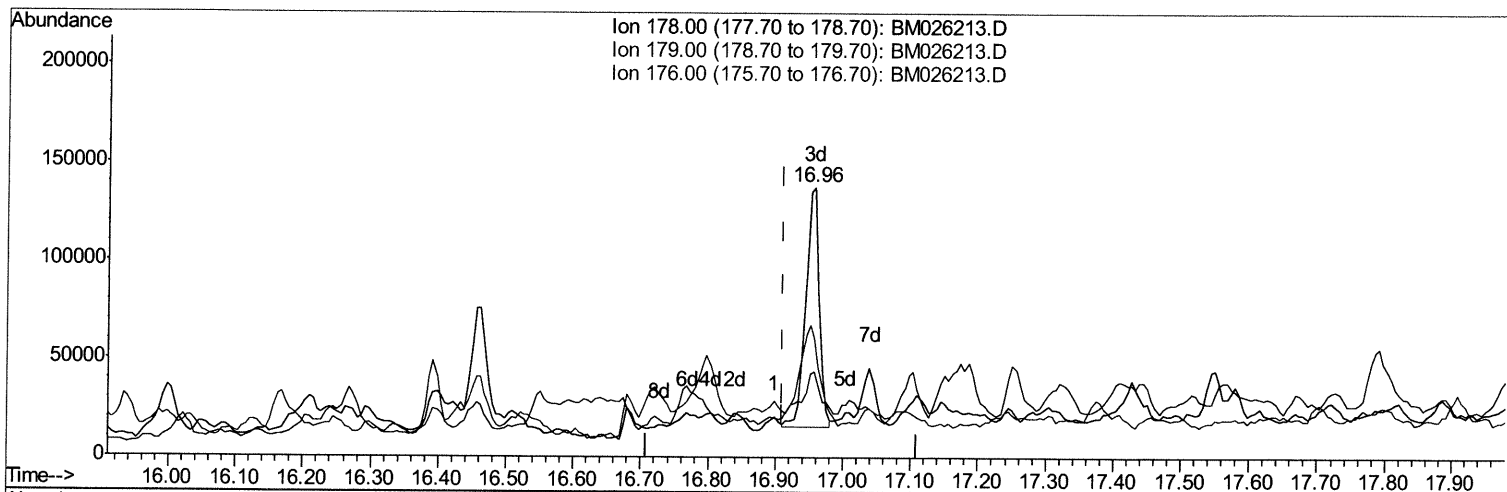
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:17:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



(70) Phenanthrene

16.956min (+0.047) 2.92ng/ul m

06/04/20 JU

response 171345

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	31.79#
176.00	18.60	44.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
 Data File : BM026213.D
 Acq On : 02 Jun 2020 00:53
 Operator : JU/CG
 Sample : L2829-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

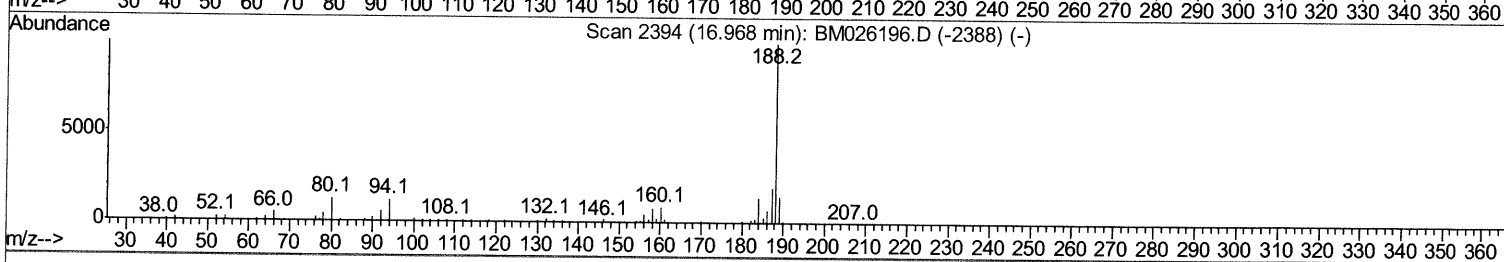
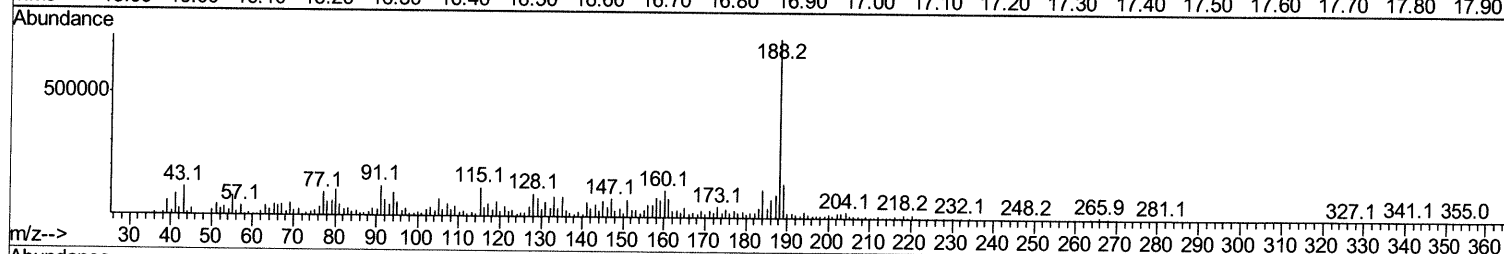
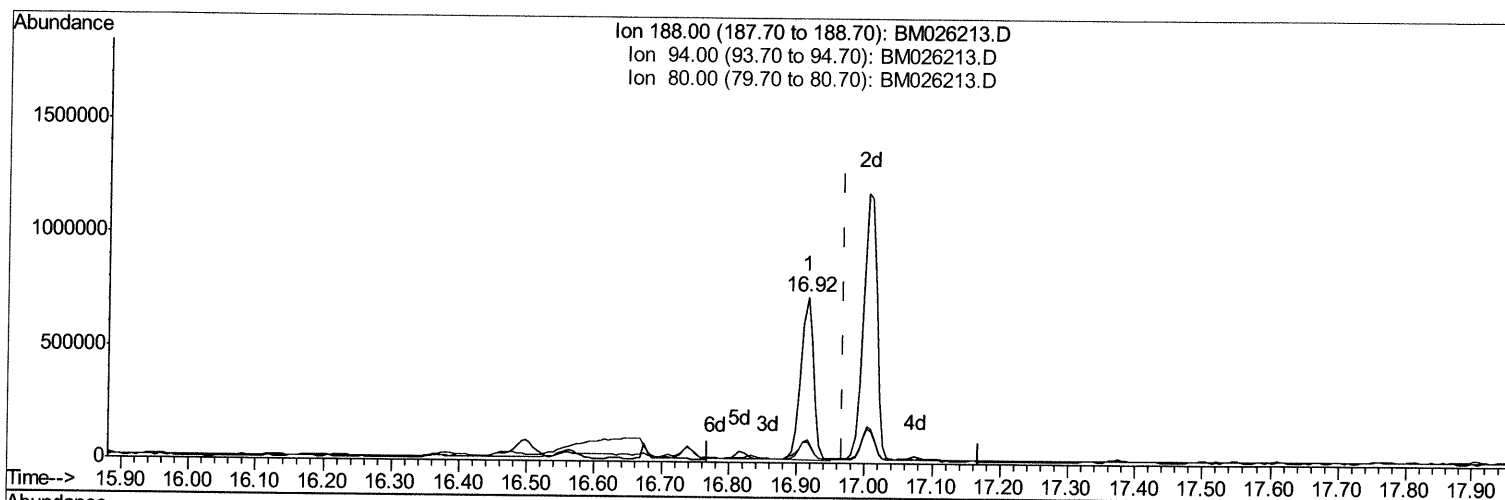
Instrument :
 BNA_M
 ClientSampleId :
 C5CE4

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:17:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 01 16:59:35 2020
 Response via : Initial Calibration



TIC: BM026213.D

(71) Anthracene-d10 (S)

16.915min (-0.053) 20.43ng/ui

response 937097

Ion	Exp%	Act%
188.00	100	100
94.00	12.10	12.90
80.00	12.20	14.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
Data File : BM026213.D
Acq On : 02 Jun 2020 00:53
Operator : JU/CG
Sample : L2829-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

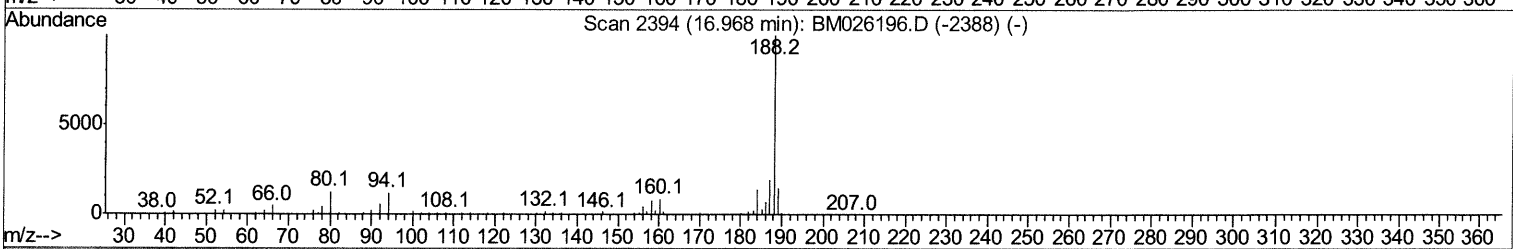
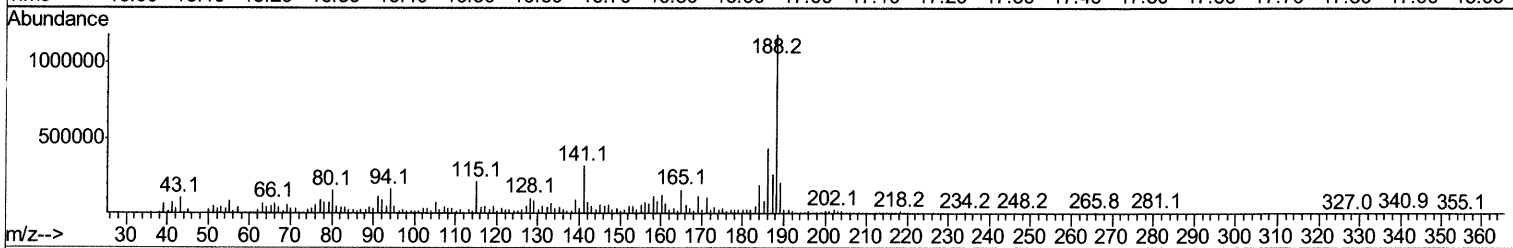
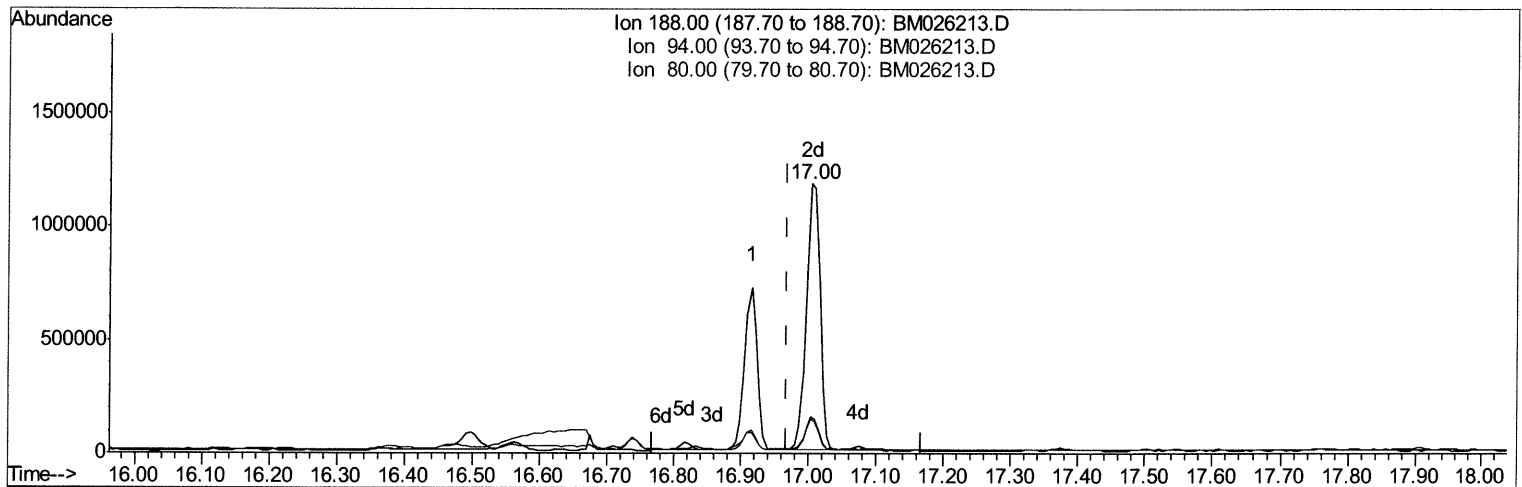
Instrument :
BNA_M
ClientSampleId :
C5CE4

Manual Integrations
APPROVED

mohammad
6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 04:17:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 01 16:59:35 2020
Response via : Initial Calibration



TIC: BM026213.D

(71) Anthracene-d10 (S)

17.004min (+0.035) 36.09ng/ul m

06/04/20 JU

response 1655206

Ion	Exp%	Act%
188.00	100	100
94.00	12.10	13.70
80.00	12.20	12.78
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060120\
 Data File : BM026213.D
 Acq On : 02 Jun 2020 00:53
 Operator : JU/CG
 Sample : L2829-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5CE4

Manual Integrations
 APPROVED

mohammad
 6/2/2020 3:22:03 PM

6/2/2020 3:22:03 PM

Quant Time: Jun 02 11:03:24 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jun 01 16:59:35 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	168651	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	689412	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	470407	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	930788m >	20.00	ng/ul >	0.05
78) Chrysene-d12	21.08	240	935572	20.00	ng/ul	0.01
86) Perylene-d12	23.20	264	891907	20.00	ng/ul	0.01

06/04/20 JU

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	24922	4.46	ng/uL	0.00
5) Phenol-d5	6.67	99	136222	8.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	360218	34.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	356181	29.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	236719	20.53	ng/ul	0.00
19) Nitrobenzene-d5	8.62	128	226202	40.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.33	143	242409	43.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.87	165	392413	35.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	21576	1.91	ng/ul	-0.02
44) Dimethylphthalate-d6	13.56	166	1219806	32.34	ng/ul	0.01
47) Acenaphthylene-d8	13.81	160	1516610	33.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	64994m >	9.73	ng/ul >	0.05
58) Fluorene-d10	15.13	176	1068912	32.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.27	200	229559m 3	42.30	ng/ul 3	0.01
71) Anthracene-d10	17.00	188	1655206m 3	36.09	ng/ul 3	0.04
79) Pyrene-d10	19.29	212	1710494	35.59	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.06	264	1468756	30.94	ng/ul	0.01

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Target Compounds

					Ovalue	
6) Phenol	6.70	94	27111	1.581	ng/ul	95
11) 2-Methylphenol	7.93	108	12239	1.036	ng/ul	100
14) Acetophenone	8.27	105	136373	7.050	ng/ul#	41
16) 4-Methylphenol	8.26	108	14127	1.099	ng/ul	94
24) 2,4-Dimethylphenol	9.45	107	29123m >	1.886	ng/ul >	96
28) Naphthalene	10.28	128	673361	15.975	ng/ul#	87
34) 2-Methylnaphthalene	11.90	142	296741	10.466	ng/ul	98
39) 2,4,6-Trichlorophenol	12.55	196	10844	1.106	ng/ul	97
40) 2,4,5-Trichlorophenol	12.63	196	96527	8.918	ng/ul	98
45) Dimethylphthalate	13.60	163	121084	3.057	ng/ul#	30
56) 2,3,4,6-Tetrachlorophenol	14.79	232	5105699	560.889	ng/ul#	97
59) Fluorene	15.18	166	46771	1.189	ng/ul#	83
69) Pentachlorophenol	16.63	266	45019475m 3	6707.198	ng/ul 3	96
70) Phenanthrene	16.96	178	171345m 3	2.922	ng/ul 3	96
77) Fluoranthene	18.95	202	78843	1.282	ng/ul#	73
80) Pyrene	19.32	202	174873	2.663	ng/ul#	95

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