

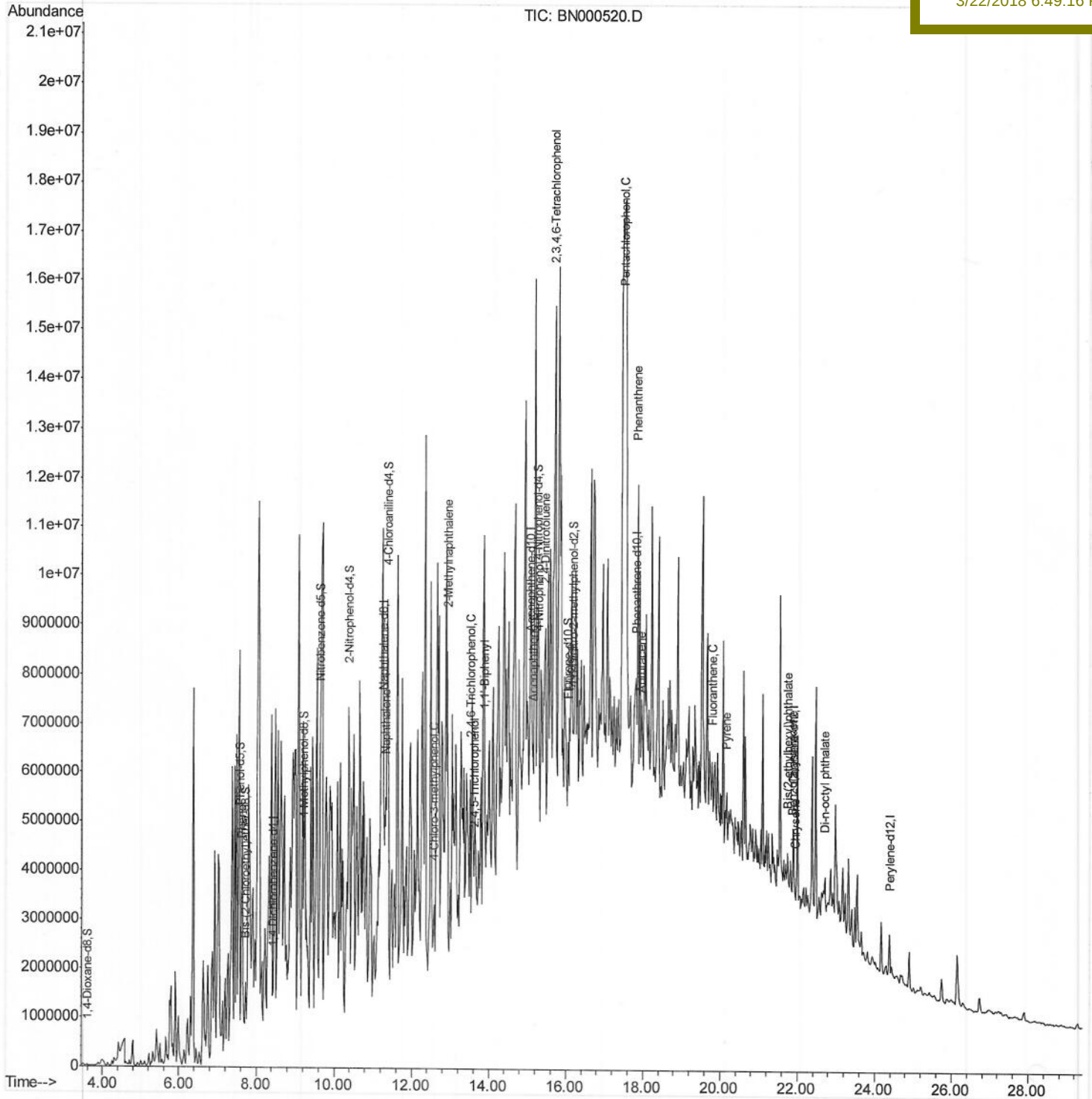
```
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_N\DATA\BN032118\  
Data File : BN000520.D  
Acq On    : 21 Mar 2018   15:18  
Operator  : JU/SJ  
Sample    : J1905-04MS  
Misc      :  
ALS Vial  : 9      Sample Multiplier: 1
```

Instrument :
BNA_N
ClientSampleId :
DAM40MS

Quant Time: Mar 23 11:56:34 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:34:06 2018
Response via : Initial Calibration

Manual Integrations

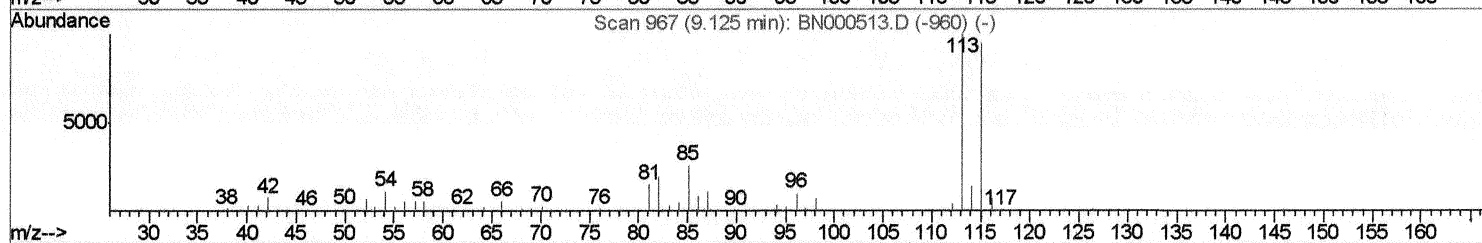
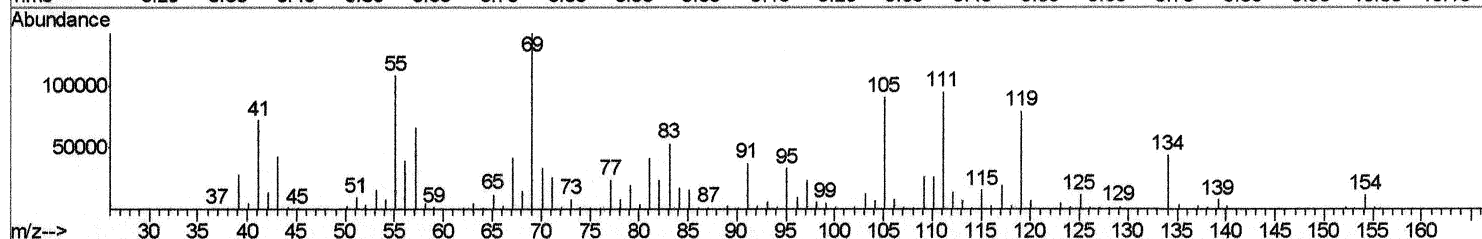
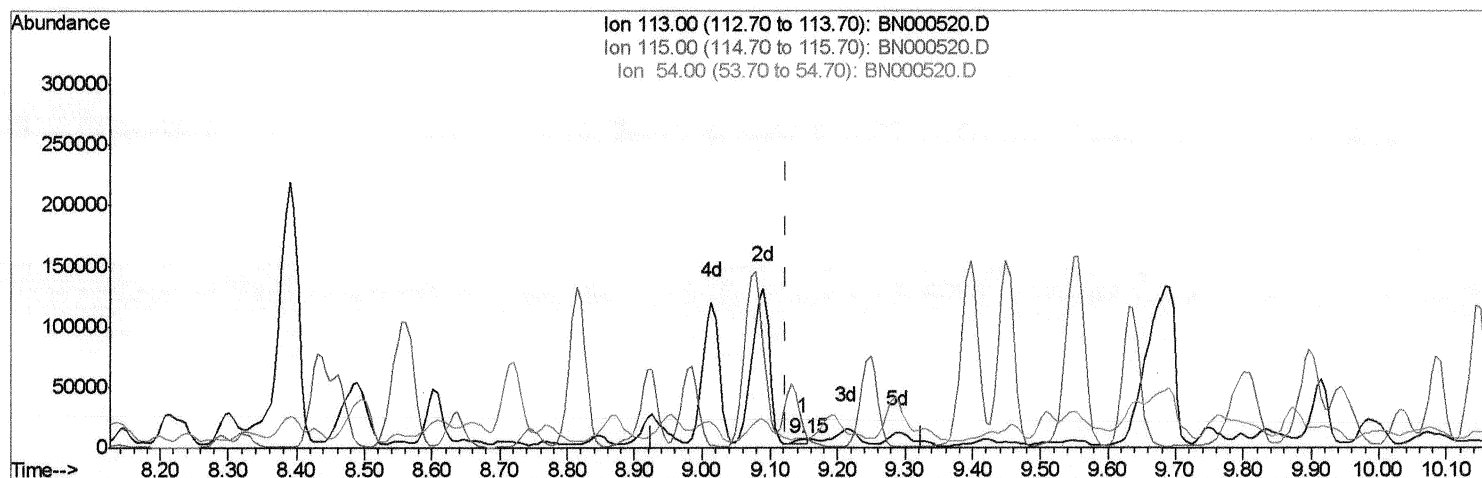
Sohil
3/22/2018 6:49:16 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(13) 4-Methylphenol-d8 (S)

9.149min (+0.024) 0.40ng/ul

response 5703

Ion	Exp%	Act%
113	100	100
115	215.52	215.52
117	14.39	14.39
119	0.00	0.00

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

Client: Sampled : DAM40MS

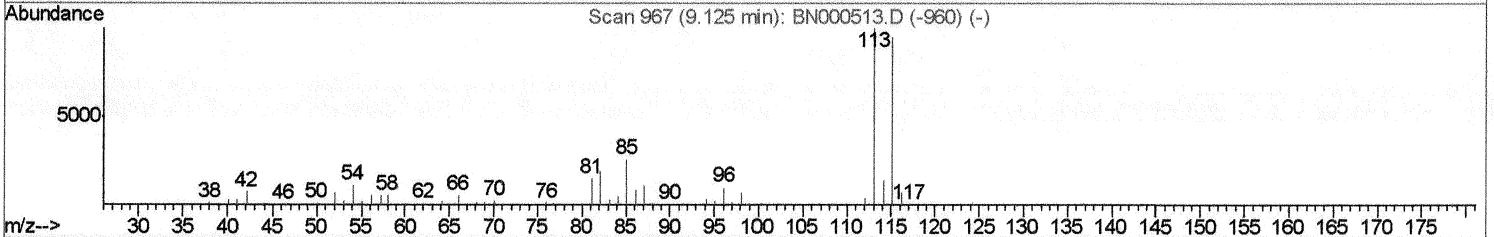
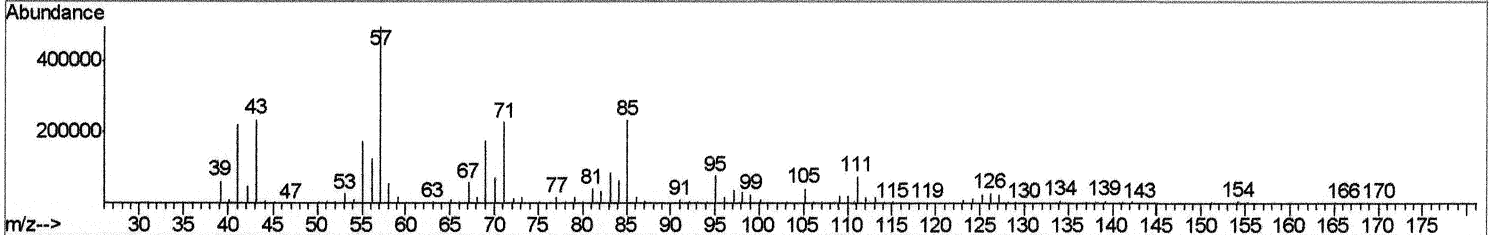
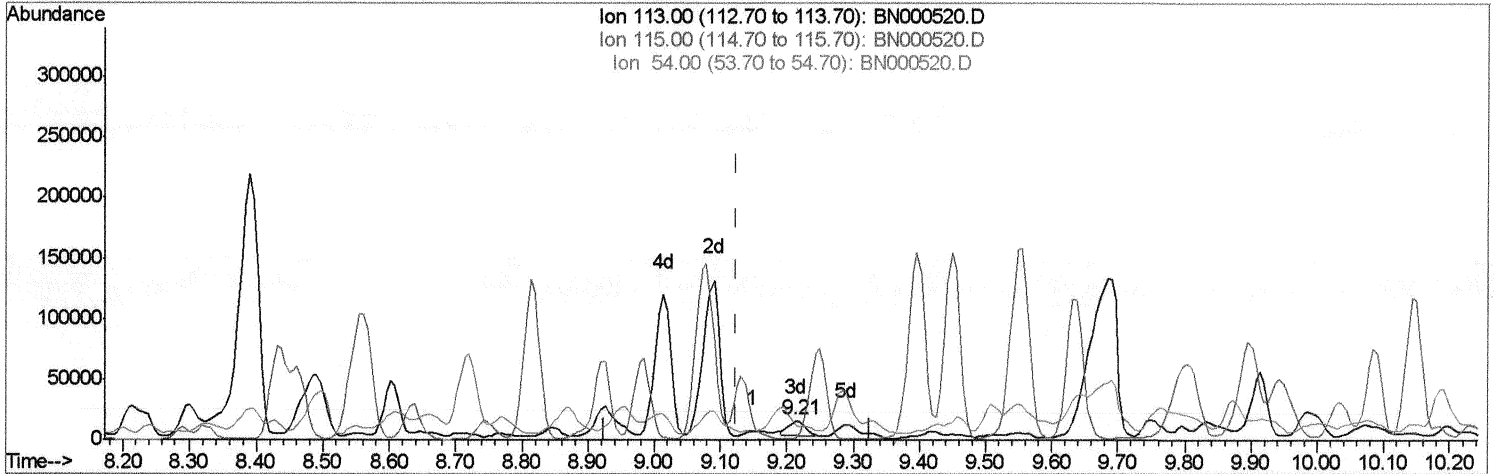
Instrument : BNA_N

SOM-EPA-BN031918.M Thu Mar 22 07:29:20 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(13) 4-Methylphenol-d8 (S)

9.213min (+0.089) 1.58ng/ul m

response 22586

Ion Exp% Act%

JU 3/23/18

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

Client Sample :
 BNA_N

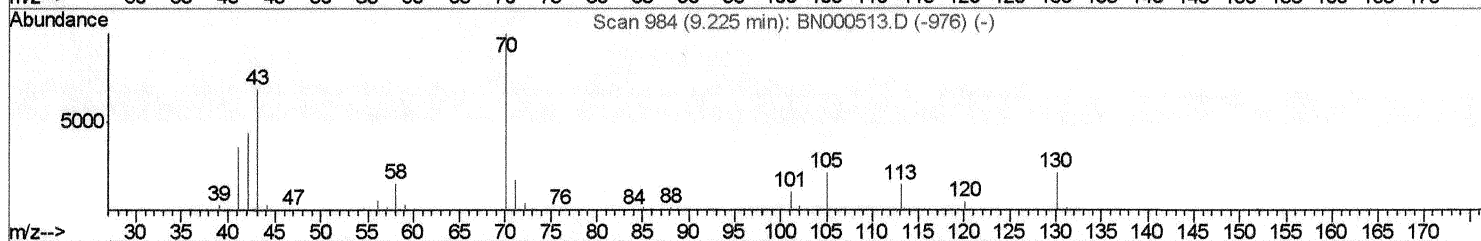
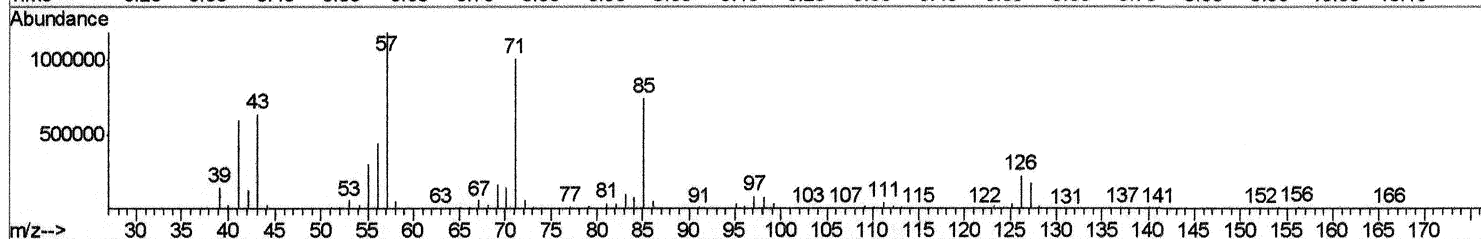
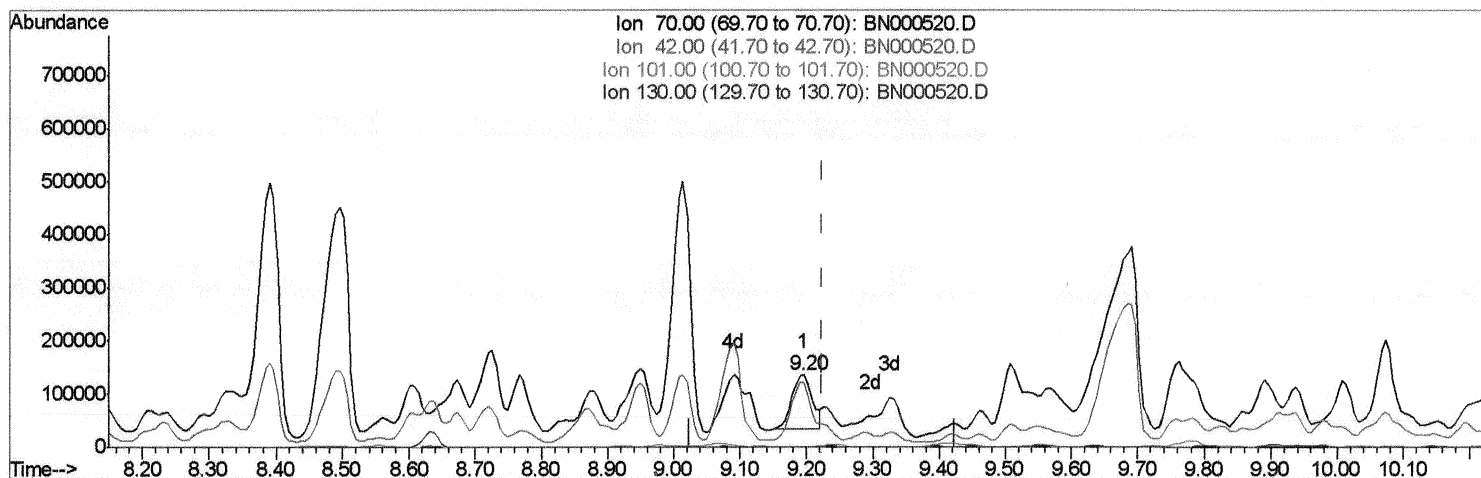
Instrument :

SOM-EPA-BN031918.M Thu Mar 22 07:29:29 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(15) N-Nitroso-di-n-propylamine (P)

9.196min (-0.029) 19.77ng/ul

response 219774

Ion Exp% Act%

00

88.13#

0.22#

0.00#

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

ClientSampled :

BNA_N

Instrument :

DAM40MS

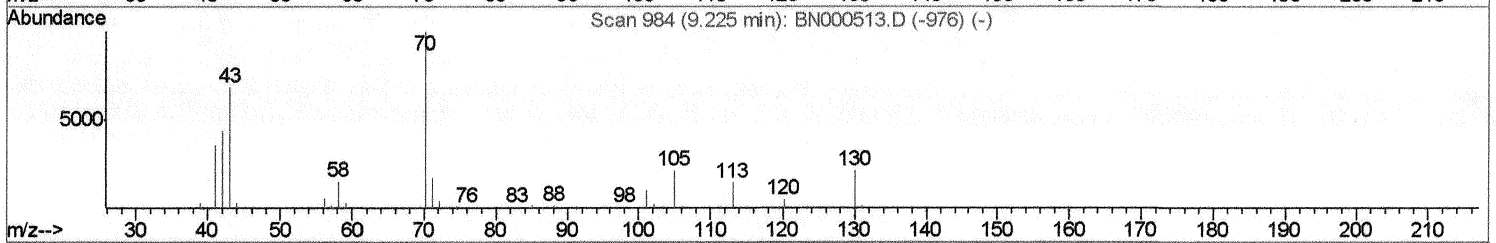
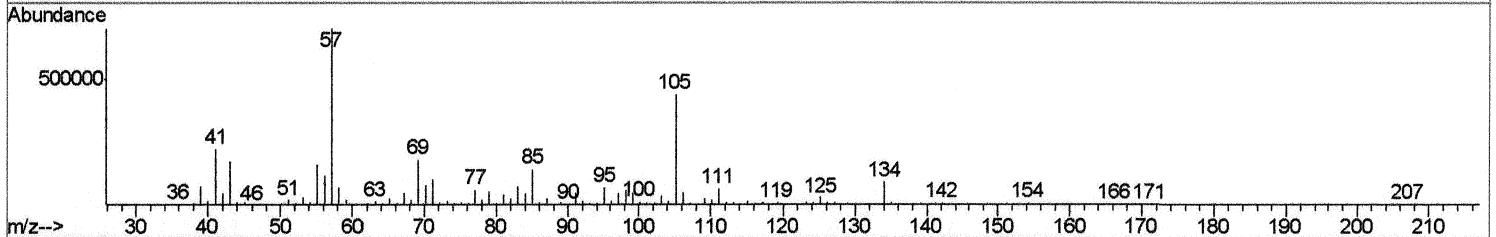
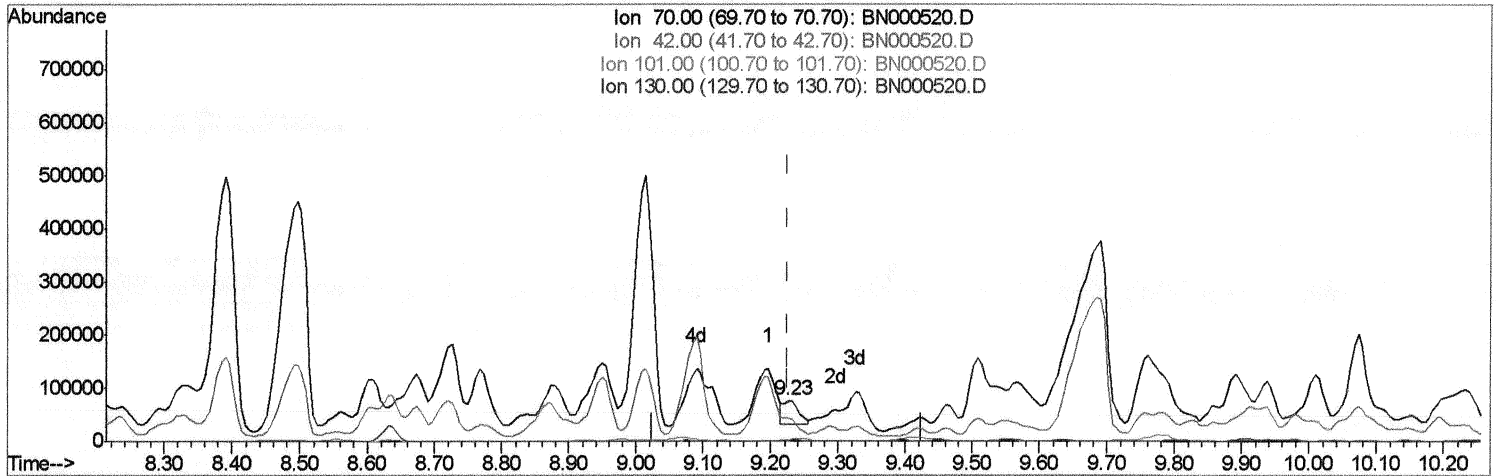
SOM-EPA-BN031918.M Thu Mar 22 07:29:35 2018

Page: 1

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



(15) N-Nitroso-di-n-propylamine (P)

9.225min (+0.000) 6.09ng/ul m

response 67717

Ion Exp% Act%

100		
56.43		
3.86#		
1.06#		

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

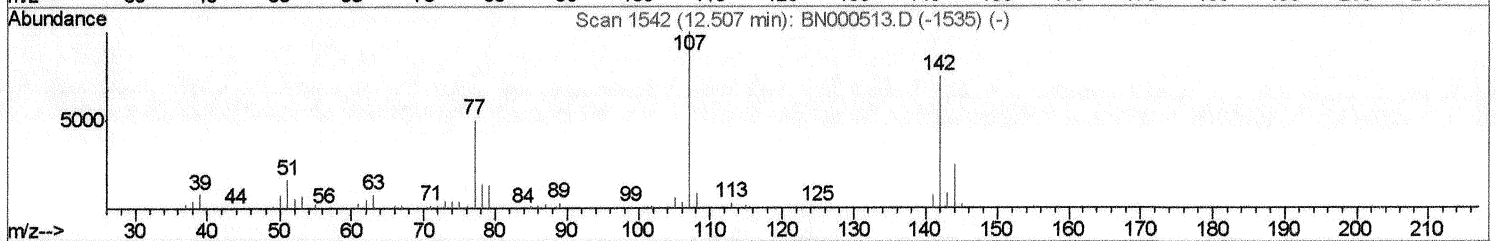
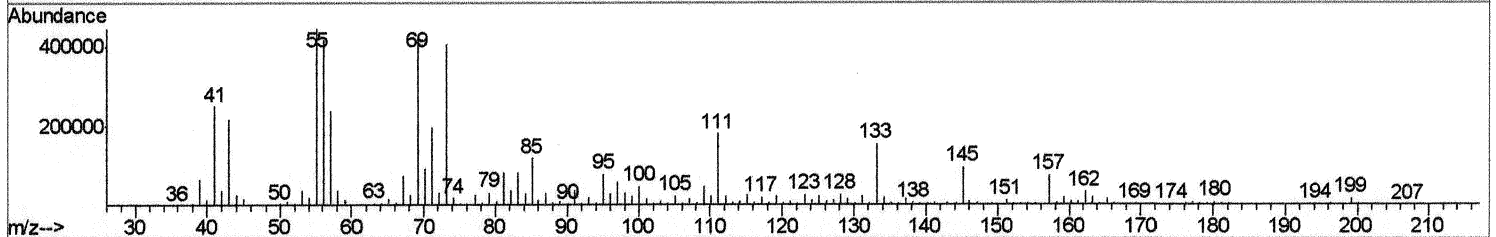
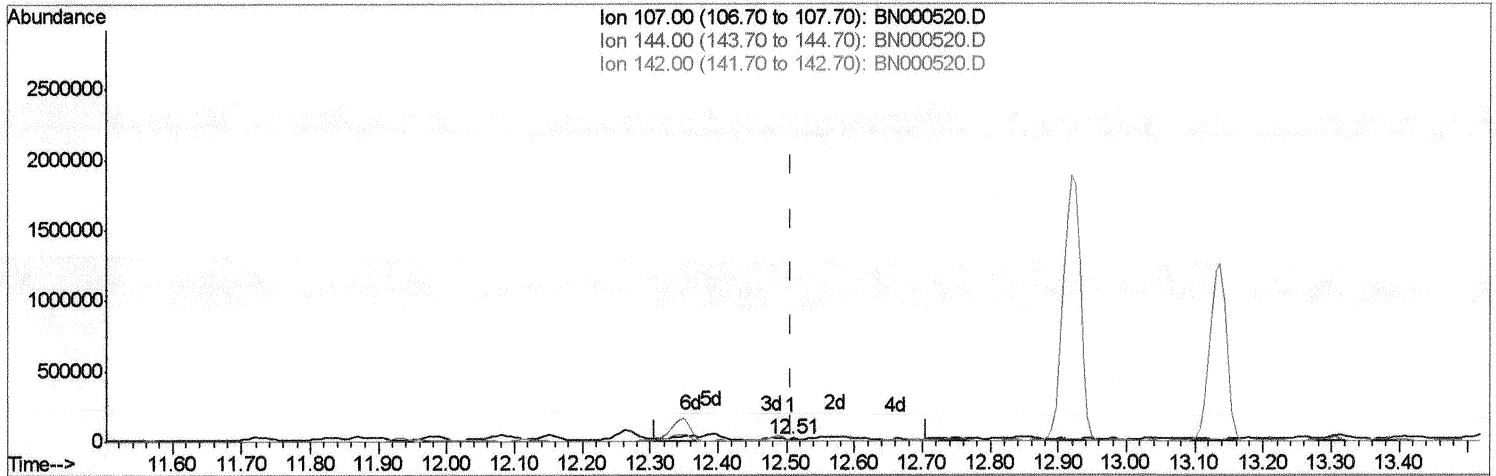
Instrument :
 BNA_N
 ClientSampled :
 DAM40MS

JU 3/23/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(33) 4-Chloro-3-methylphenol (C)

12.507min (+0.000) 0.09ng/ul

response 1042

Ion Exp% Act%

100

3/22/2018 6:49:16 PM

Sohil

24.44

APPROVED

10.20#

Manual Integrations

0.00

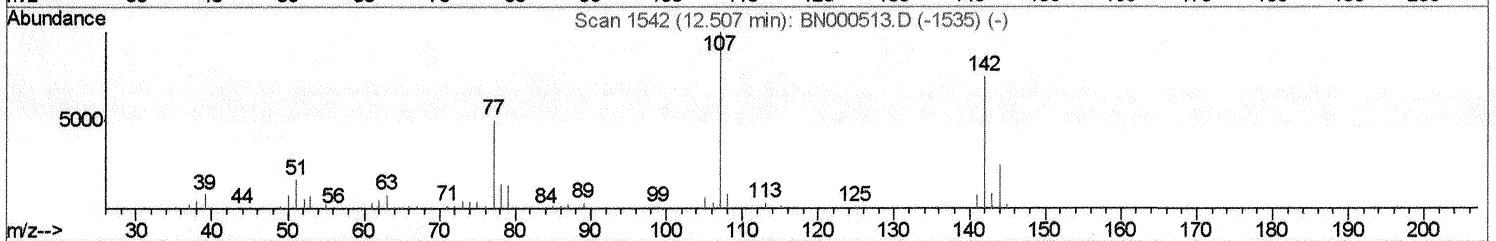
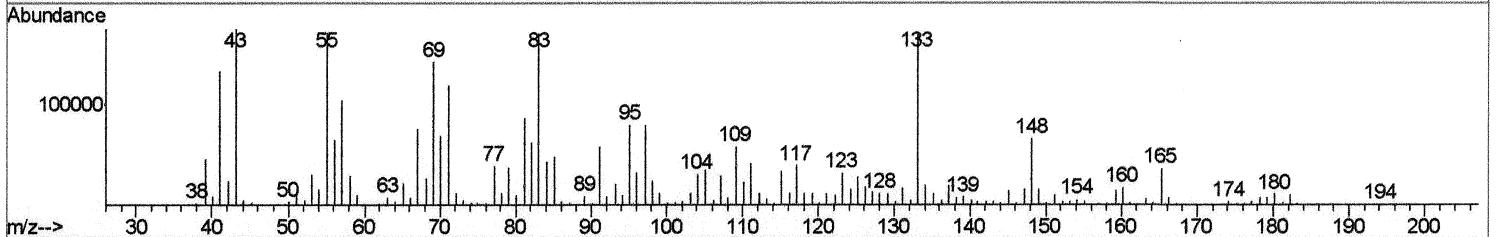
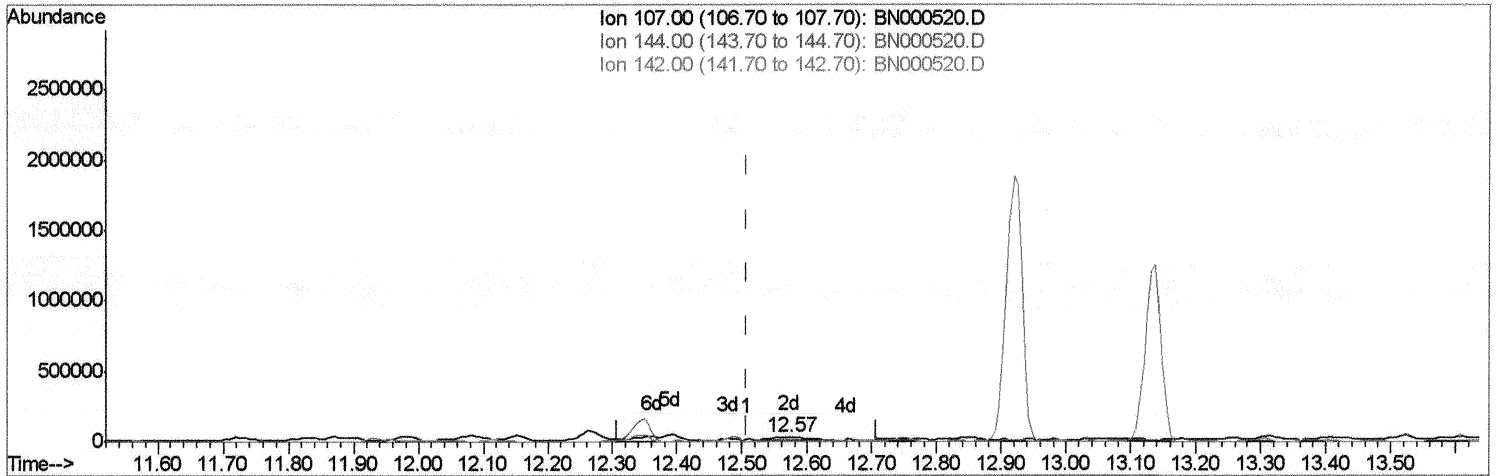
Client: Sampled :
 BNA_N
 Instrument :
 DAM40MS

SOM-EPA-BN031918.M Thu Mar 22 07:31:10 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



(33) 4-Chloro-3-methylphenol (C)

12.572min (+0.065) 5.39ng/ul m

response 63337

Ion Exp% Act%

JU 3/23/18

3/22/2018 6:49:16 PM

SoH

APPROVED

Manual Integrations

Client Sampled :
 BNA_N

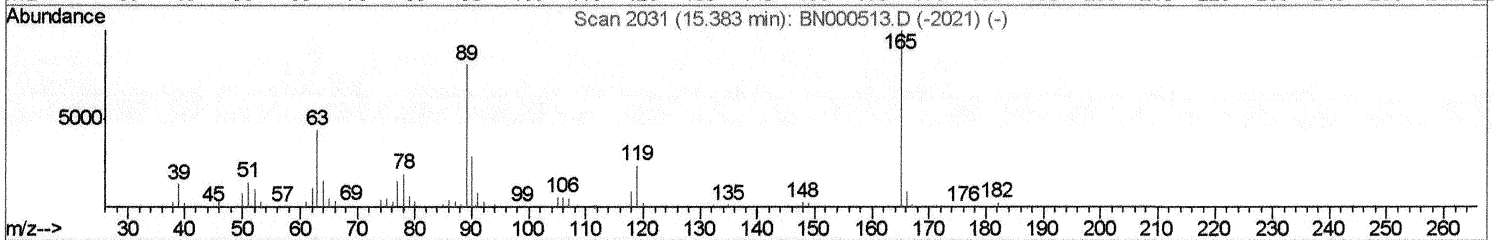
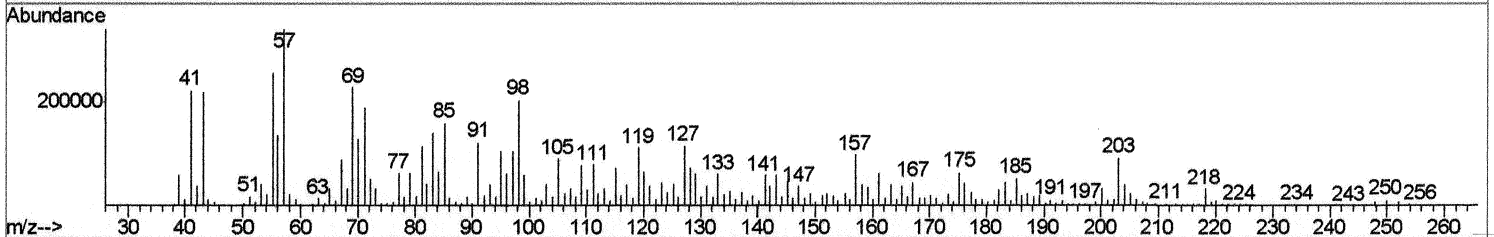
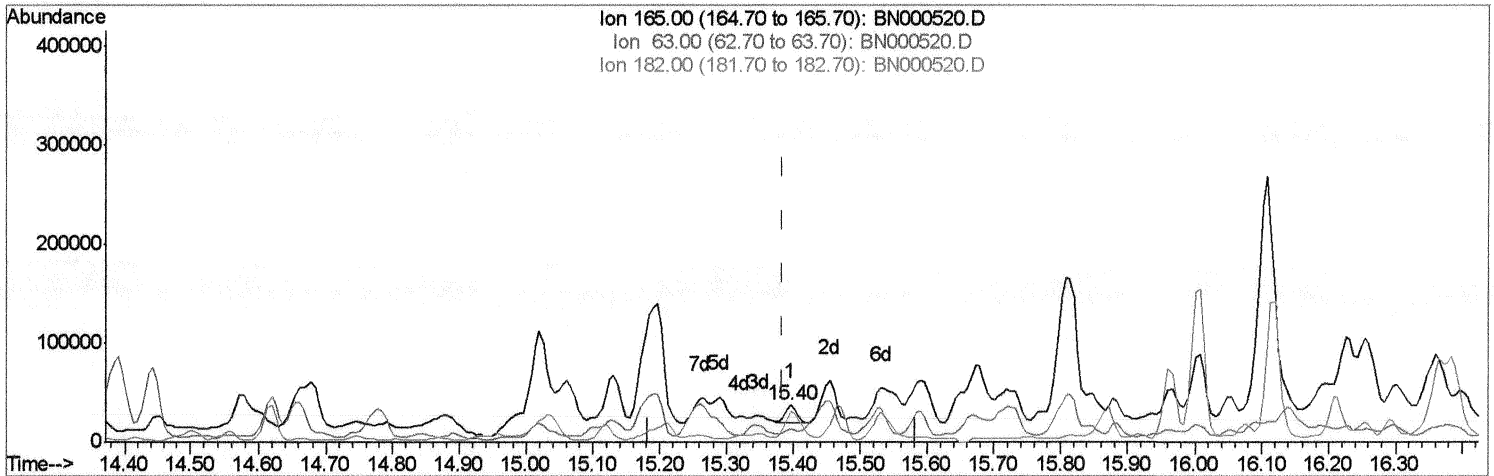
Instrument :
 DAM40MS

SOM-EPA-BN031918.M Thu Mar 22 07:31:19 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(54) 2,4-Dinitrotoluene

15.395min (+0.012) 2.56ng/ul

response 22037

Ion	Exp%	Act%
165.00	100	100
63.00	36.54	36.54
182.00	84.26	84.26
100.00	0.00	0.00

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

Client Sampled :
 BNA_N

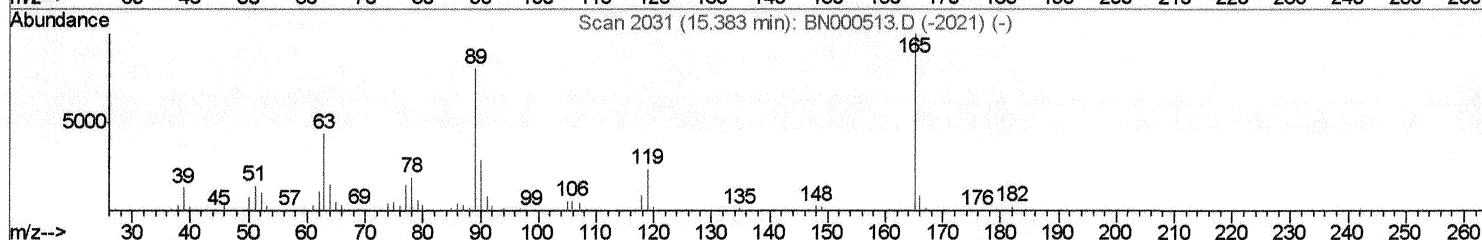
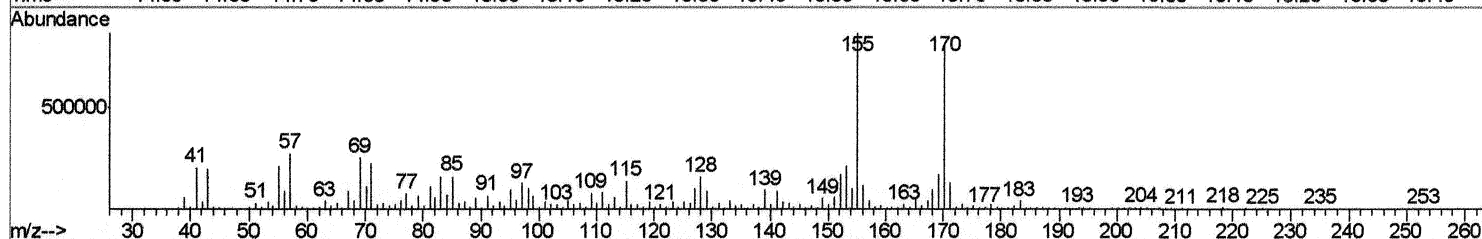
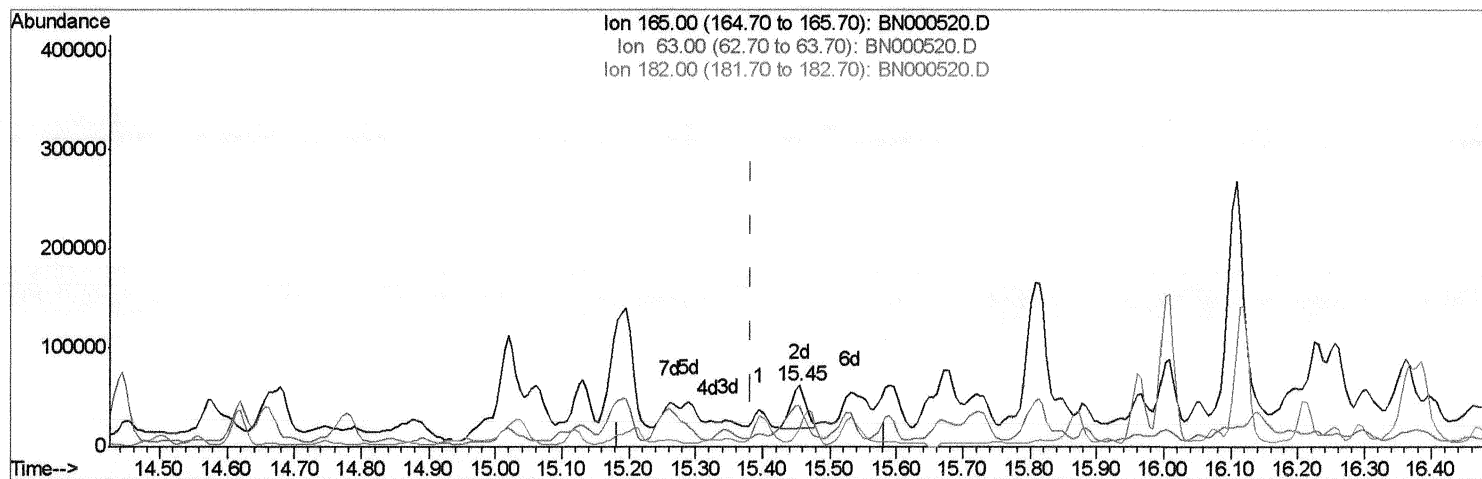
Instrument :

Thu Mar 22 07:33:32 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(54) 2,4-Dinitrotoluene

15.454min (+0.071) 7.81ng/ul m

response 67167

Ion Exp% Act%

165.00 100

3/22/2018 6:49:16 PM 67.57#

Sohil

APPROVED 30.59#

Manual Integrations 0.00

DAM40MS

ClientSample :

BNA_N

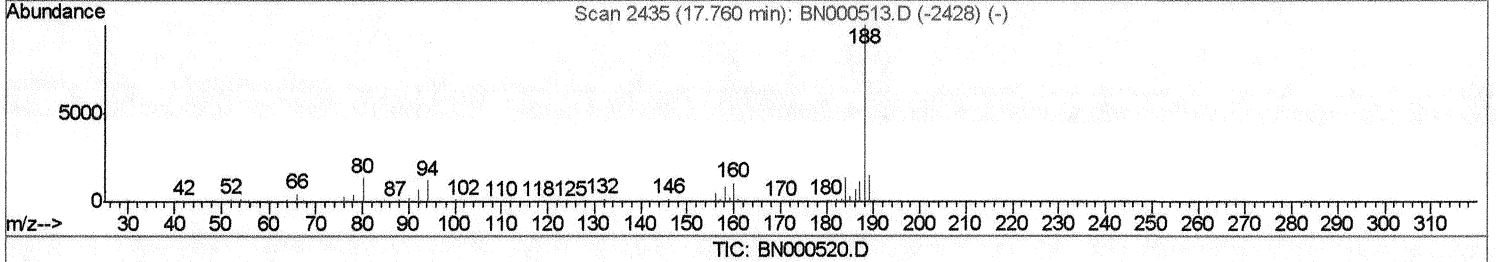
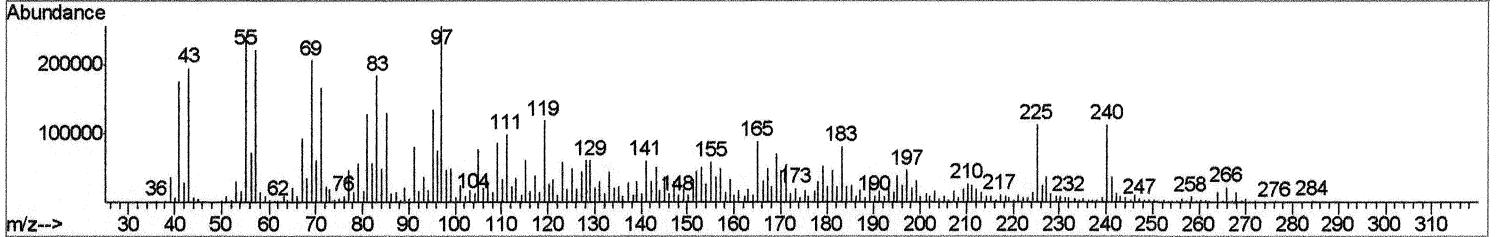
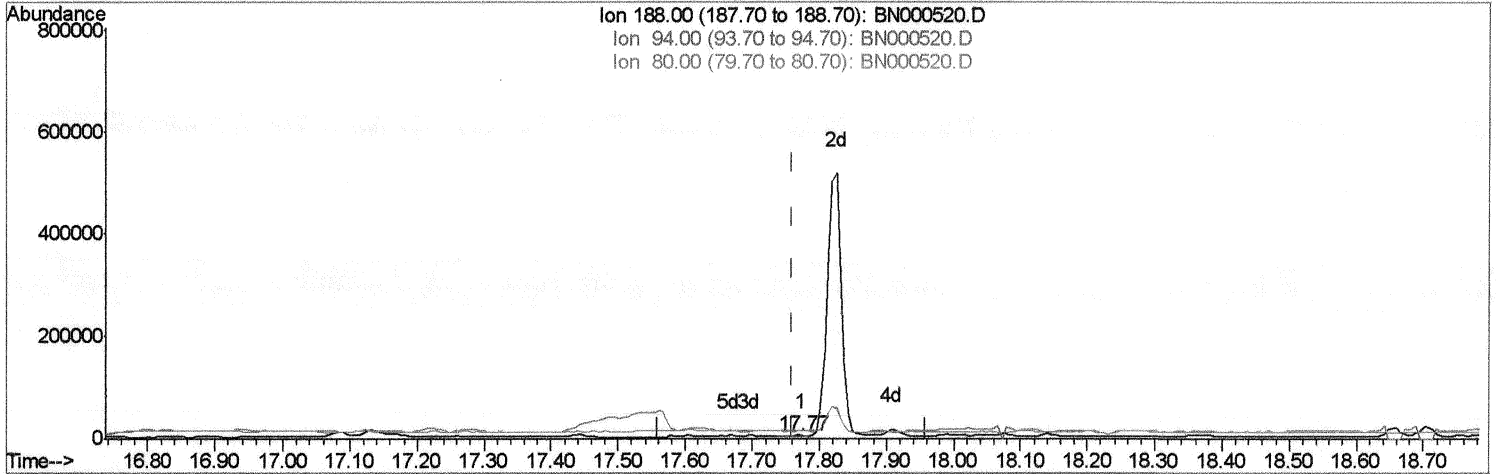
Instrument :

Thu Mar 22 07:33:40 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)
 17.772min (+0.012) 20.00ng/ul

response 3049

Ion	Exp%	Act%
188.00	100	100
94.00	54.67	54.67
80.00	43.27	43.27
100.00	0.00	0.00

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

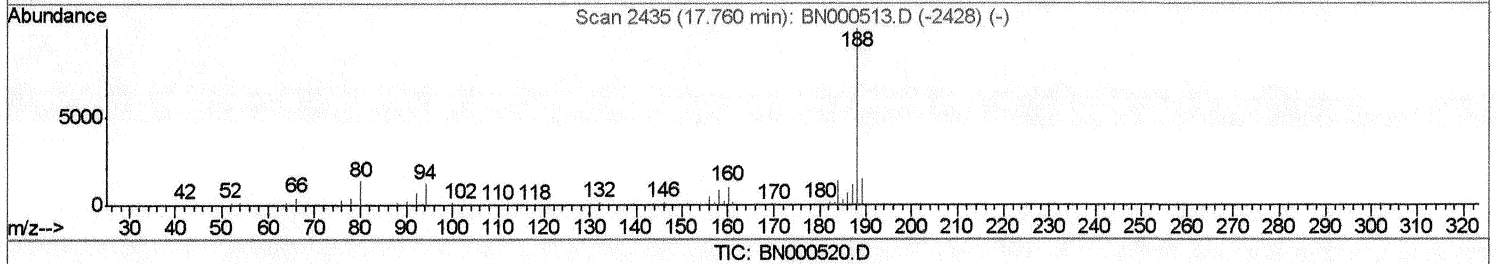
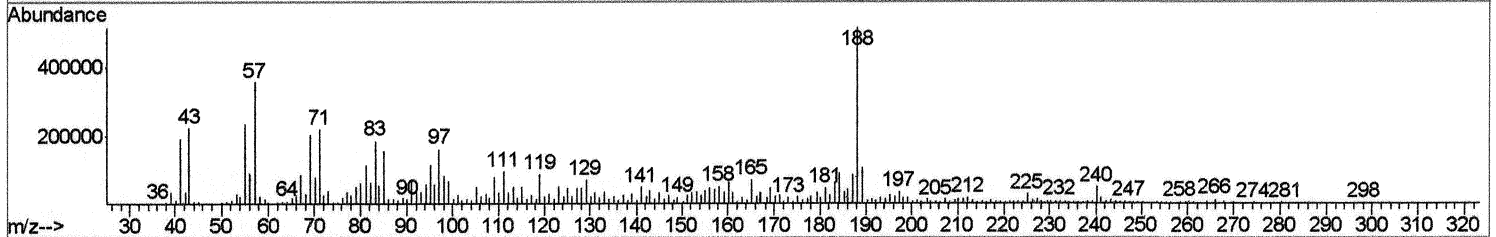
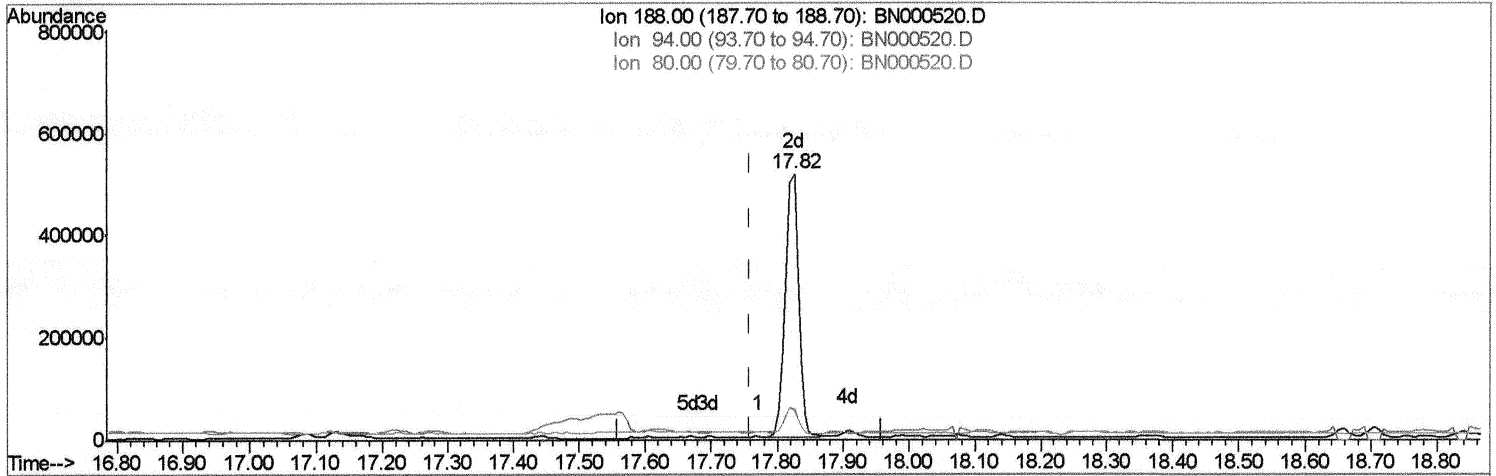
Instrument :
 BNA_N
 ClientSampled :
 DAM40MS

Thu Mar 22 07:33:55 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:28:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.825min (+0.065) 20.00ng/ul m

response 747219

Ion Exp% Act%

188.00 100

3/22/2018 6:49:16 PM

1.28#

2.04#

0.00

Manual Integrations

DAM40MS

ClientSampled :

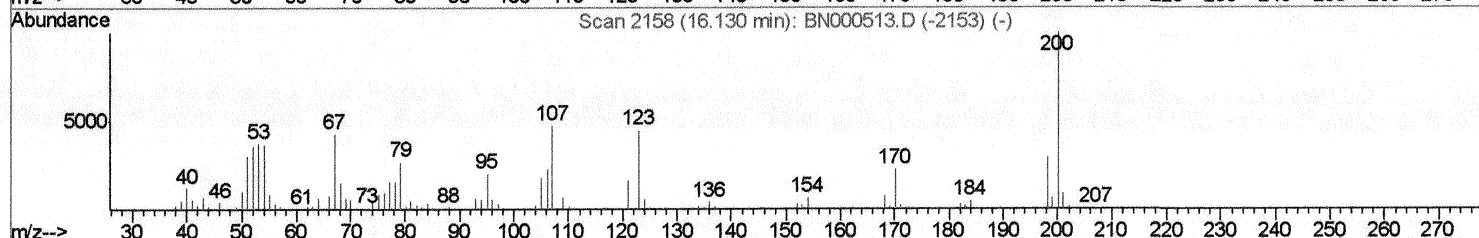
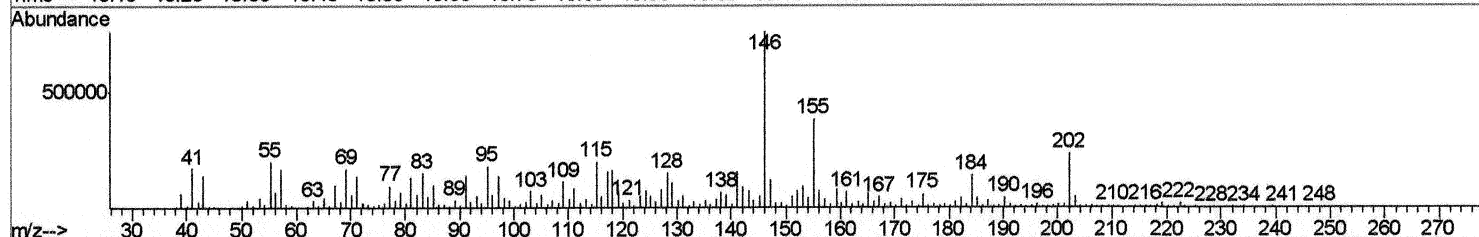
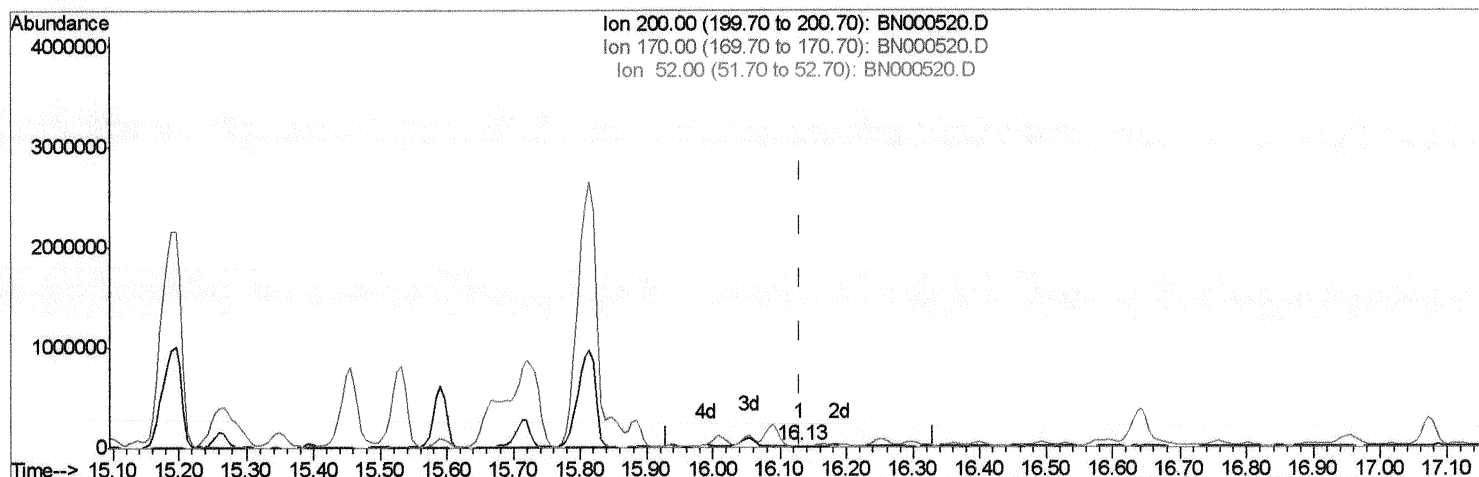
BNA_N

Instrument :

Thu Mar 22 07:34:09 2018

```
Data Path   : Z:\HPCHEM1\BNA N\DATA\BN032118\  
Data File  : BN000520.D  
Acq On     : 21 Mar 2018   15:18  
Operator   : JU/SJ  
Sample     : J1905-04MS  
Misc       :  
ALS Vial   : 9      Sample Multiplier: 1
```

Quant Time: Mar 22 07:33:42 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:34:06 2018
Response via : Initial Calibration



TIC: BN000520.D

Ion	Exp%	Act%
-----	------	------

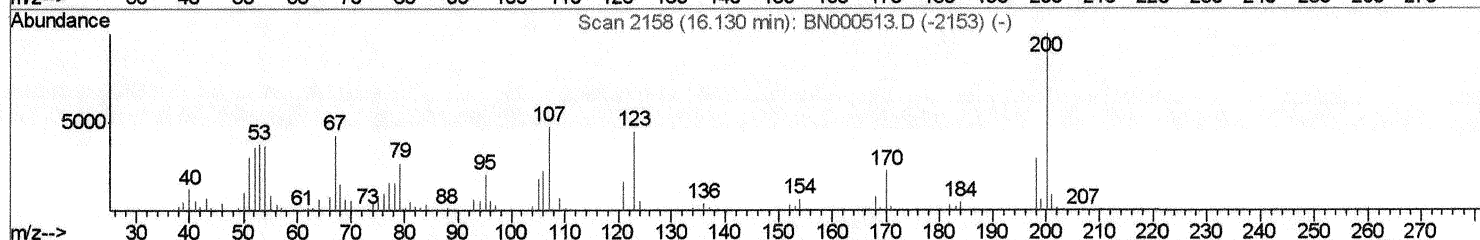
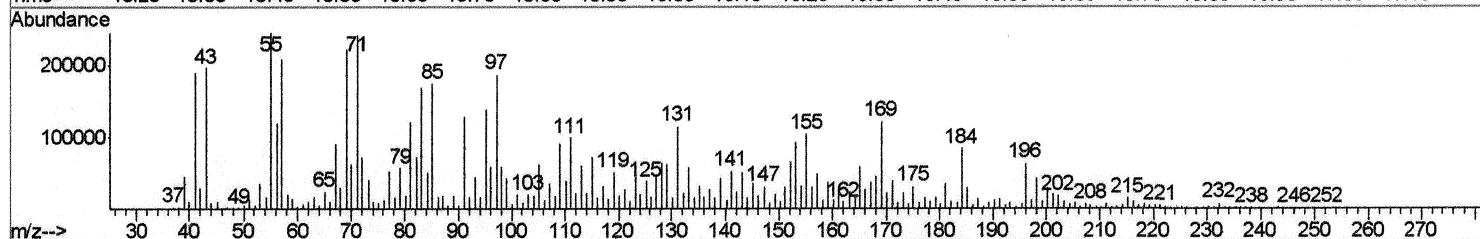
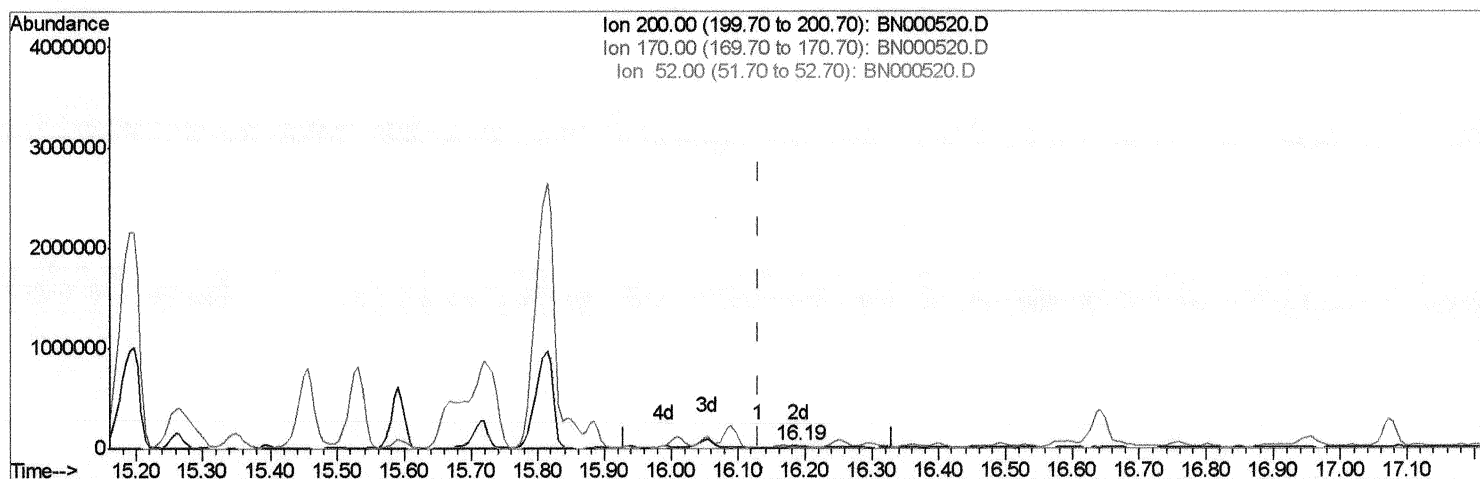
Manual Integrations

Instrument : BNA_N
ClientSampleId : DAM40MS

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:33:42 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

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

16.190min (+0.059) 6.17ng/ul m

response 26387

Ion Exp% Act%

Ion	Exp%	Act%
200		
75.07#		
20.09#		
0.00		

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

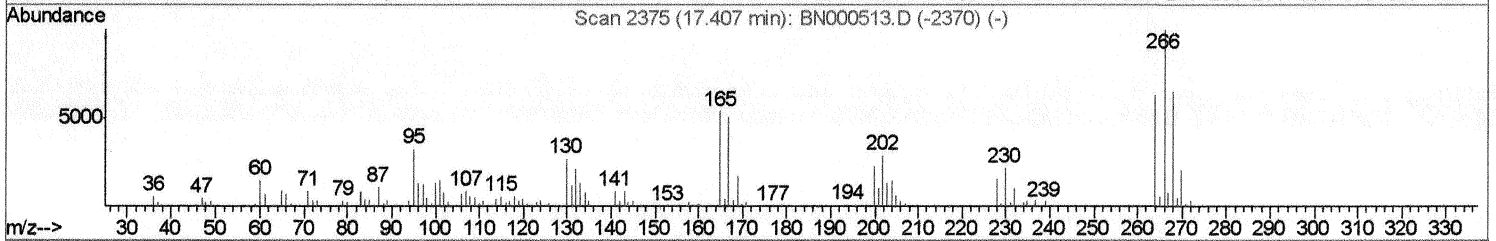
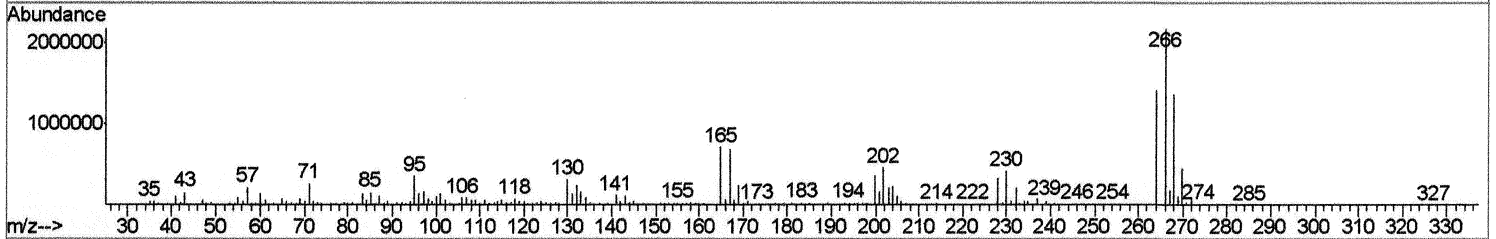
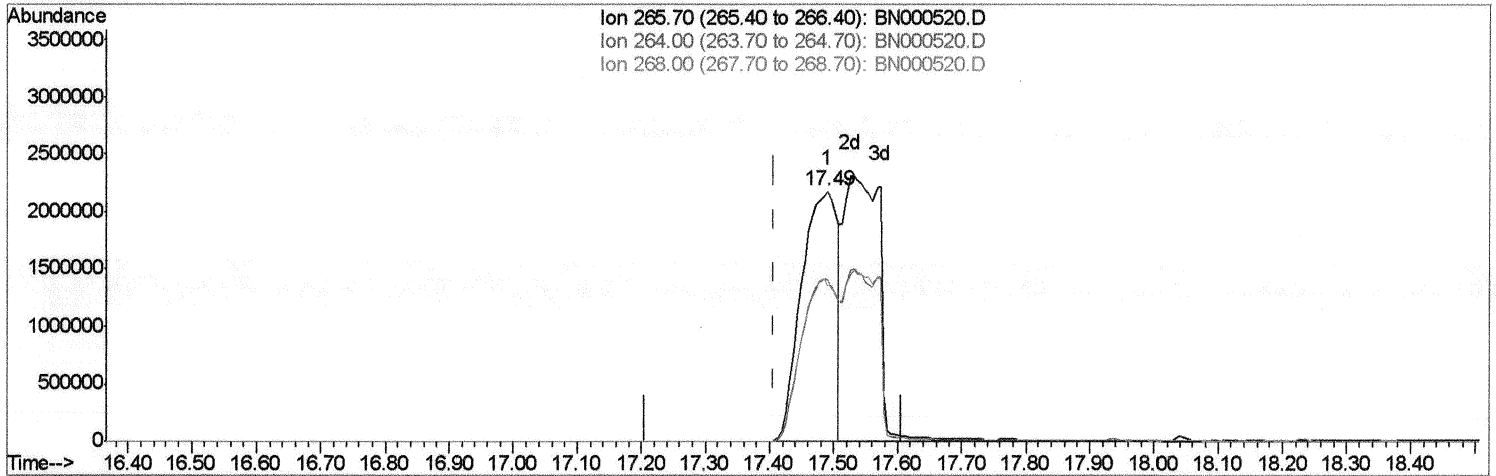
Instrument :
 BNA_N
 ClientSample :
 DAM40MS

JU 3/23/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:33:42 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(68) Pentachlorophenol (C)

17.489min (+0.083) 1991.11ng/ul

response 8453572

Ion Exp% Act%

Ion	Exp%	Act%
265.70	100	100
266.40	64.88	64.88
267.10	62.30	62.30
268.00	0.00	0.00

3/22/2018 6:49:16 PM

Sohil

APPROVED

Manual Integrations

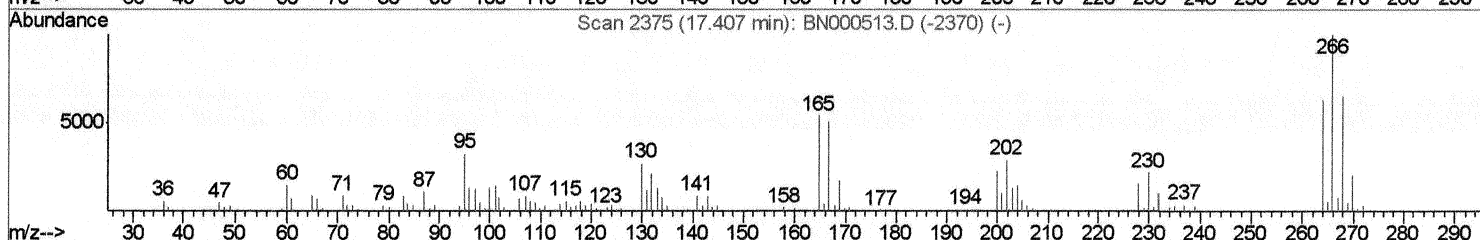
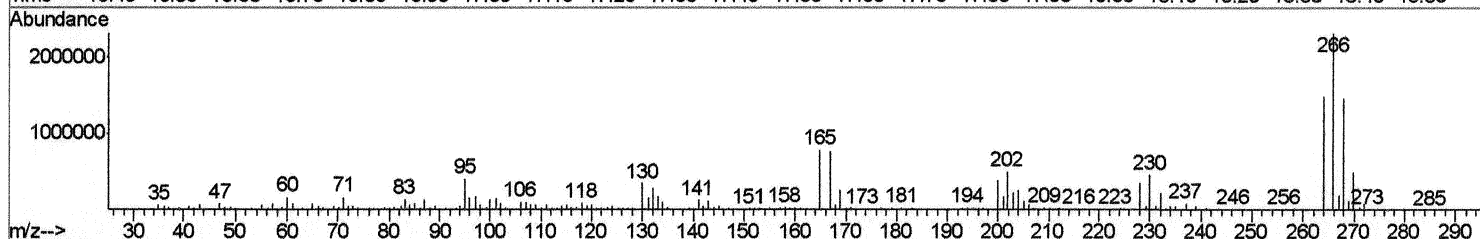
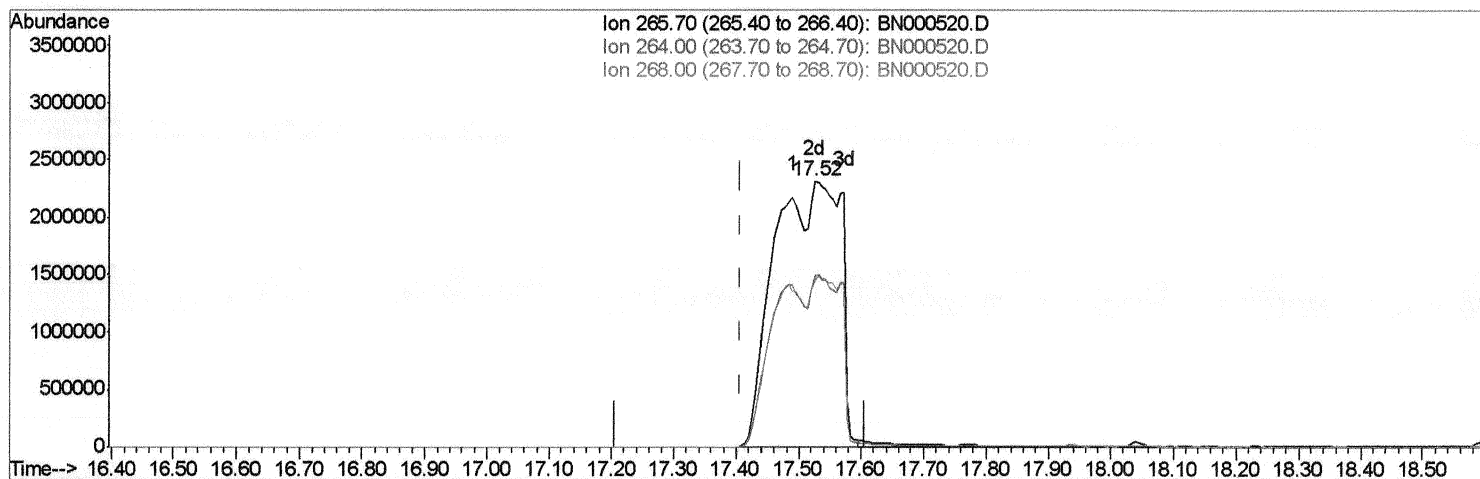
Client Sampled :
 BNA_N
 Instrument :
 DAM40MS

Thu Mar 22 07:34:51 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:33:42 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(68) Pentachlorophenol (C)

17.525min (+0.118) 4041.49ng/ul m

response 17158743

Ion Exp% Act%

Ion	Exp%	Act%
266.00	100	100
266.00	64.39	64.39
266.00	63.08	63.08
266.00	0.00	0.00

3/22/2018 6:49:16 PM

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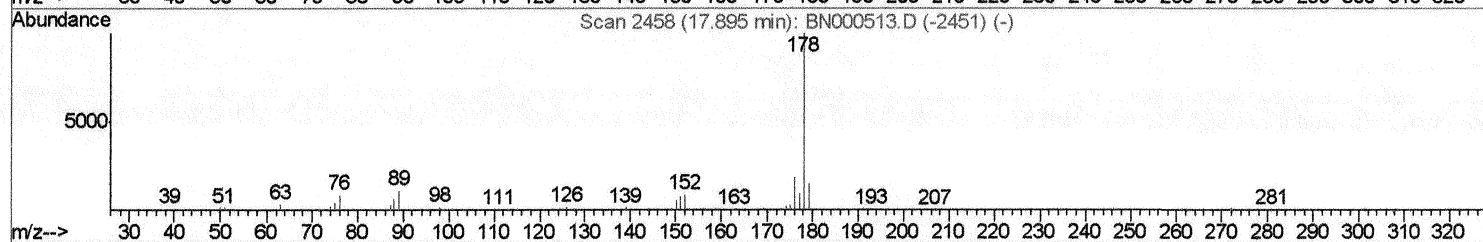
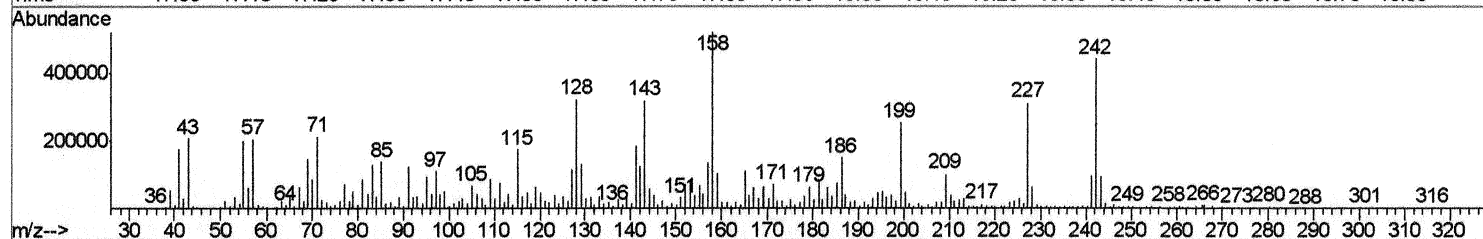
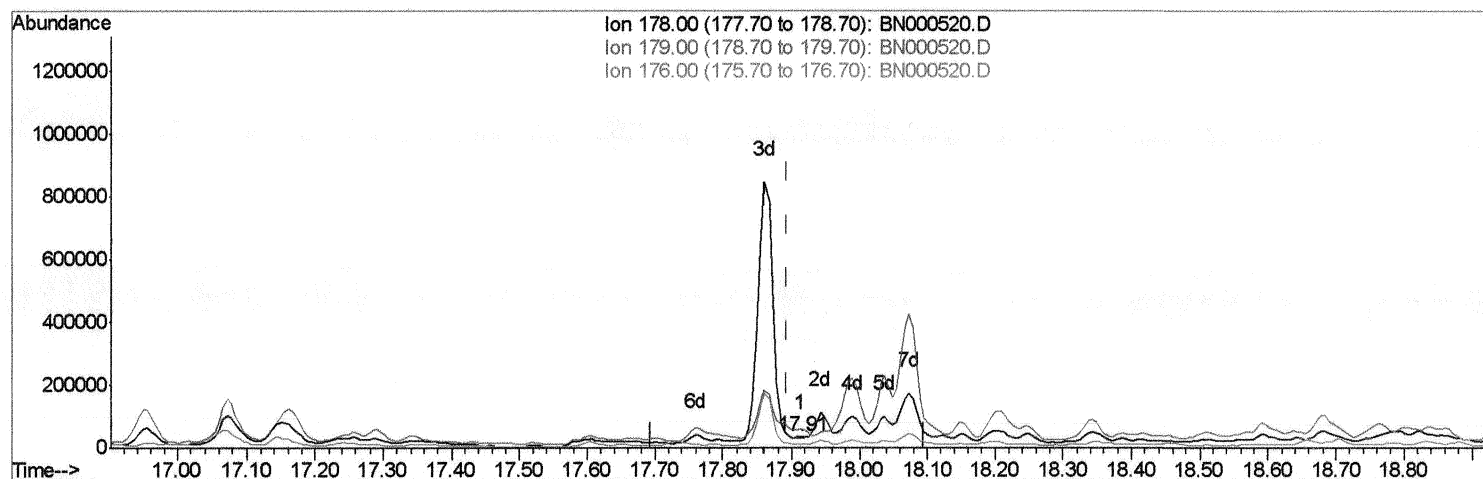
Manual Integrations

Instrument :
 BNA_N
 ClientSample :
 DAM40MS

Thu Mar 22 07:35:00 2018

```
Data Path   : Z:\HPCHEM1\BNA N\DATA\BN032118\  
Data File  : BN000520.D  
Acq On     : 21 Mar 2018   15:18  
Operator   : JU/SJ  
Sample     : J1905-04MS  
Misc       :  
ALS Vial   : 9      Sample Multiplier: 1
```

Quant Time: Mar 22 07:33:42 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:34:06 2018
Response via : Initial Calibration



TIC: BN000520.D

Ion	Exp%	Act%
-----	------	------

100

171.37#

33.66#

Manual Integrat

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ClientSampleId:

Instrument :

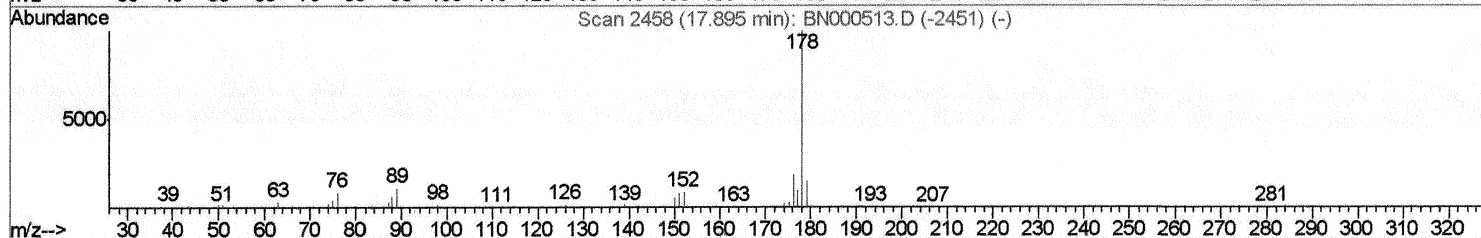
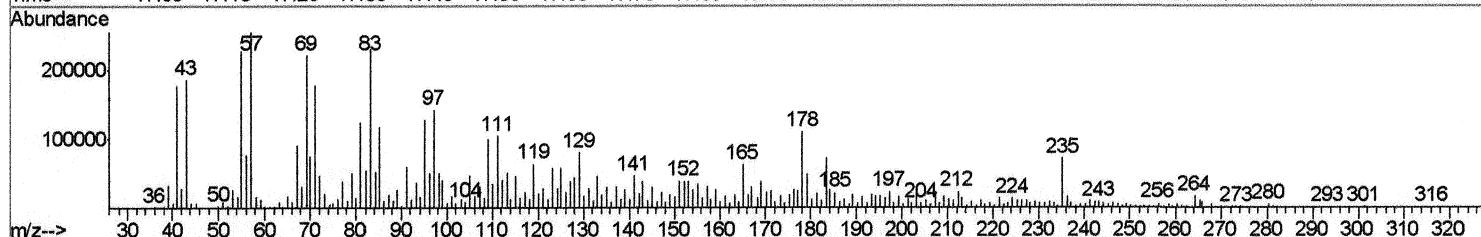
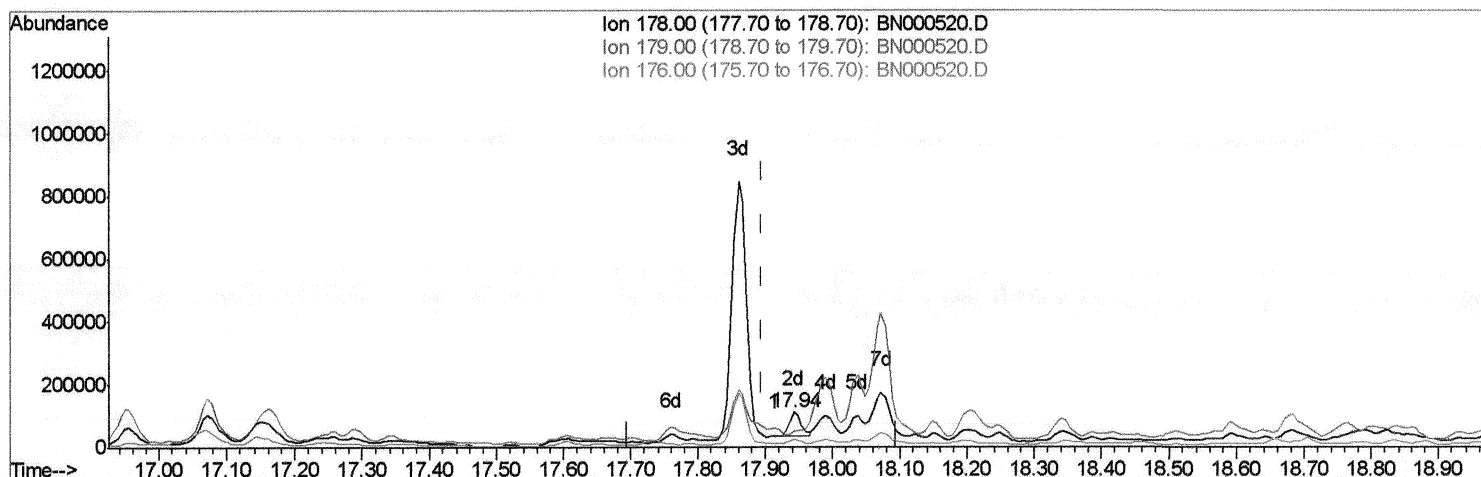
100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%

Thu Mar 22 07:35:11 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 07:33:42 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration



TIC: BN000520.D

(71) Anthracene

17.942min (+0.047) 2.15ng/ul m

response 95031

Ion Exp% Act%

Ion	Exp%	Act%
178	100	44.89#
179	44.89#	24.54#
176	24.54#	0.00

3/22/2018 6:49:16 PM

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Manual Integrations

ClientSampled :
 BNA_N

Instrument :

Thu Mar 22 07:35:19 2018

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 DAM40MS

Manual Integrations
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 3/22/2018 6:49:16 PM

Quant Time: Mar 23 11:56:34 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	196753	20.00	ng/ul	0.02
18) Naphthalene-d8	11.28	136	682955	20.00	ng/ul	0.02
35) Acenaphthene-d10	15.06	164	385014	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.82	188	747219m)	20.00	ng/ul	0.07
75) Chrysene-d12	21.90	240	627301	20.00	ng/ul	0.02
83) Perylene-d12	24.39	264	613160	20.00	ng/ul	0.02

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	16391	2.98	ng/uL	0.00
5) Phenol-d5	7.57	99	22459	1.22	ng/ul	0.02
7) Bis-(2-Chloroethyl) ether-d	7.73	67	71546	6.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.96	132	7493	0.54	ng/ul	0.02
13) 4-Methylphenol-d8	9.21	113	22586m)	1.58	ng/ul	0.09
19) Nitrobenzene-d5	9.63	128	32586	5.87	ng/ul	0.04
22) 2-Nitrophenol-d4	10.38	143	103922	18.09	ng/ul	0.05
26) 2,4-Dichlorophenol-d3	10.90	165	9682	0.94	ng/ul	0.04
29) 4-Chloroaniline-d4	11.38	131	372369	35.22	ng/ul	0.00
43) Dimethylphthalate-d6	14.44	166	23756	0.78	ng/ul	0.02
46) Acenaphthylene-d8	14.75	160	29532	0.74	ng/ul	0.02
51) 4-Nitrophenol-d4	15.26	143	131376	23.26	ng/ul	0.04
57) Fluorene-d10	16.05	176	37884	1.46	ng/ul	0.04
62) 4,6-Dinitro-2-methylphenol	16.19	200	26387m)	6.17	ng/ul	0.06
70) Anthracene-d10	17.91	188	19102	0.53	ng/ul	0.05
76) Pyrene-d10	20.14	212	29680	0.86	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.22	264	12422	0.43	ng/ul	0.02

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Phenol	7.61	94	20921	1.117	ng/ul#	1
28) Naphthalene	11.33	128	2010382	56.054	ng/ul	96
33) 4-Chloro-3-methylphenol	12.57	107	63337m)	5.389	ng/ul	
34) 2-Methylnaphthalene	12.92	142	3318597	138.594	ng/ul	100
38) 2,4,6-Trichlorophenol	13.52	196	31991	4.077	ng/ul	95
39) 2,4,5-Trichlorophenol	13.60	196	26843	3.281	ng/ul	96
40) 1,1'-Biphenyl	13.89	154	415245	12.669	ng/ul#	91
49) Acenaphthene	15.12	153	232167	8.662	ng/ul#	78
52) 4-Nitrophenol	15.29	109	253171	58.004	ng/ul#	10
54) 2,4-Dinitrotoluene	15.45	165	67167m)	7.814	ng/ul	
55) 2,3,4,6-Tetrachlorophenol	15.71	232	3354444	536.949	ng/ul#	77
58) Fluorene	16.11	166	344928	11.923	ng/ul#	80
68) Pentachlorophenol	17.52	266	17158743m)	4041.487	ng/ul	
69) Phenanthrene	17.86	178	1236269	28.719	ng/ul#	92
71) Anthracene	17.94	178	95031m)	2.153	ng/ul	
74) Fluoranthene	19.81	202	347477	8.123	ng/ul#	75
77) Pyrene	20.17	202	377384	8.237	ng/ul#	74
80) Benzo(a)anthracene	21.88	228	76940	1.841	ng/ul#	81
81) Bis(2-ethylhexyl)phthalate	21.75	149	247485	7.490	ng/ul	95
82) Chrysene	21.94	228	75526	1.928	ng/ul#	80
84) Di-n-octyl phthalate	22.71	149	306296	5.935	ng/ul	100

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:34:06 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DAM40MS

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

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