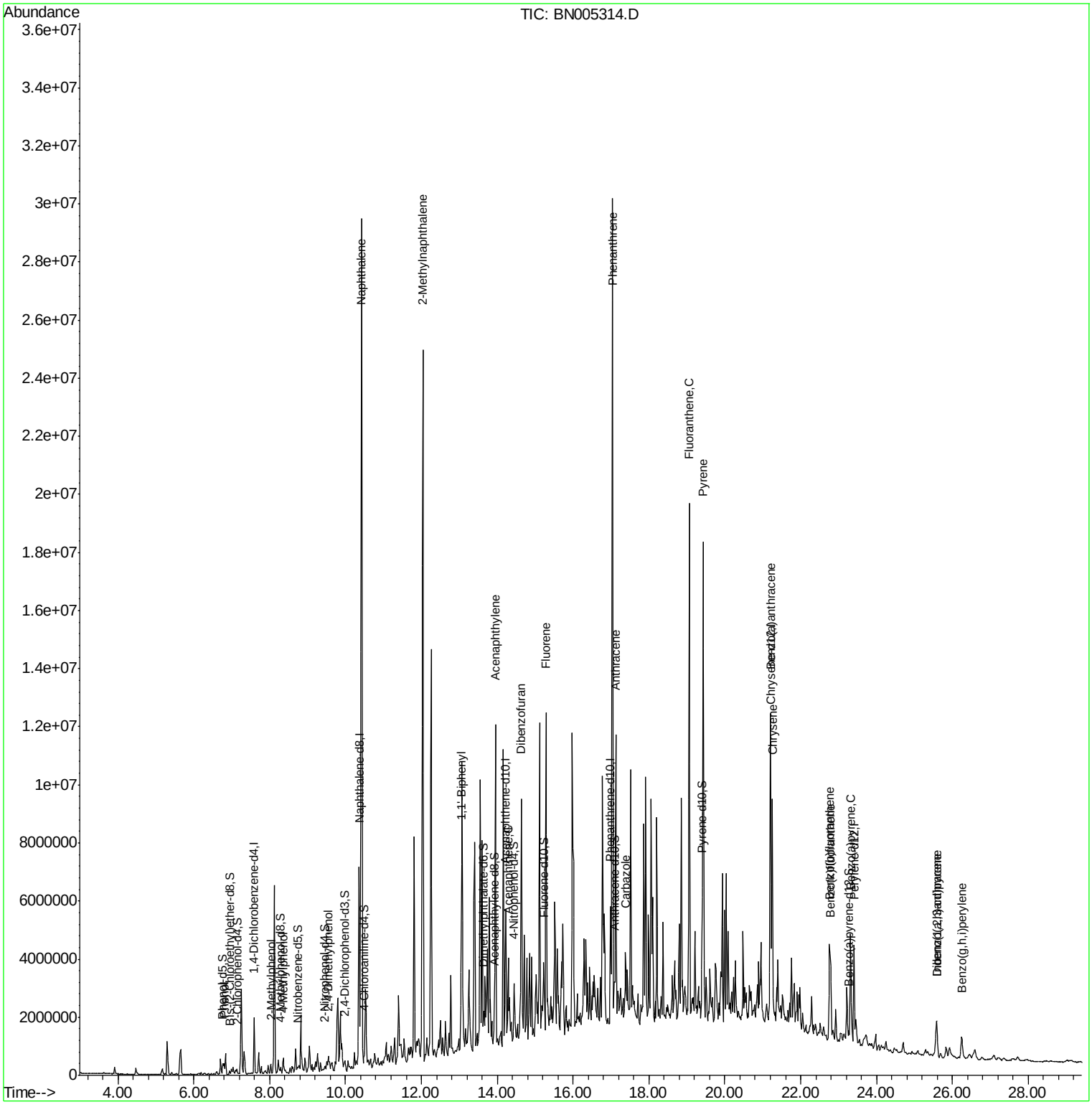
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 29 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM



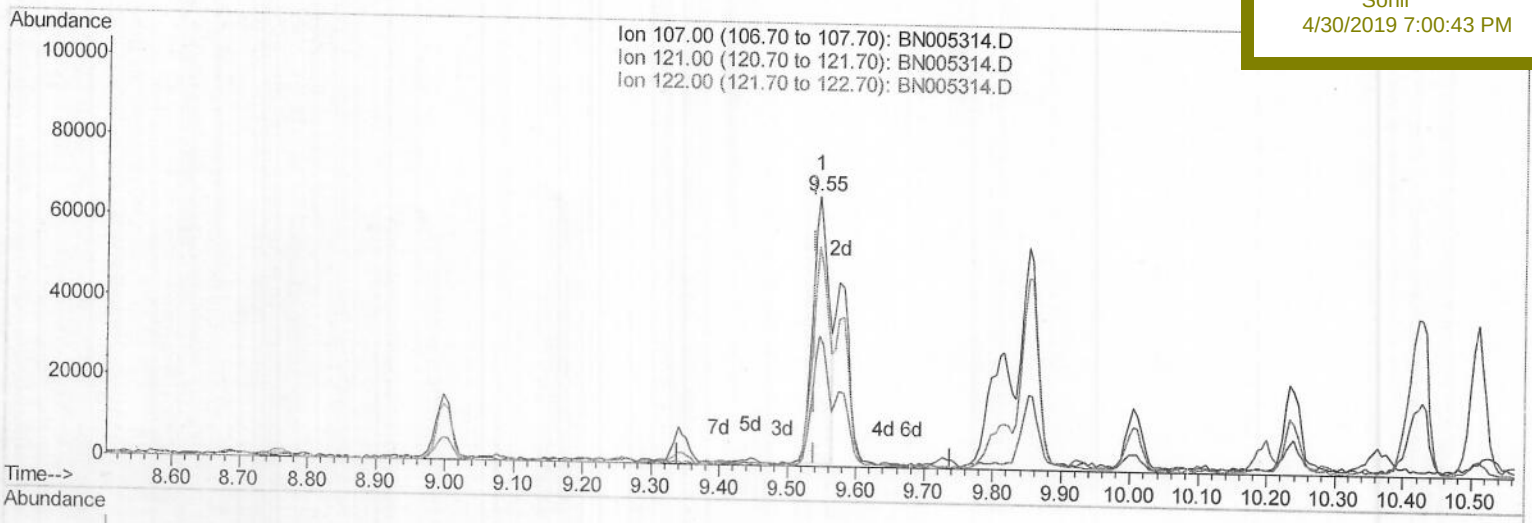
Quantitation Report (Qedit)

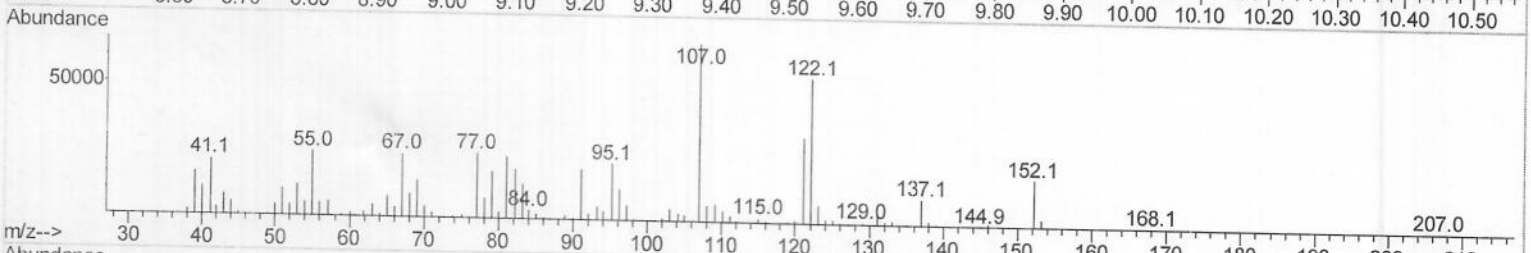
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

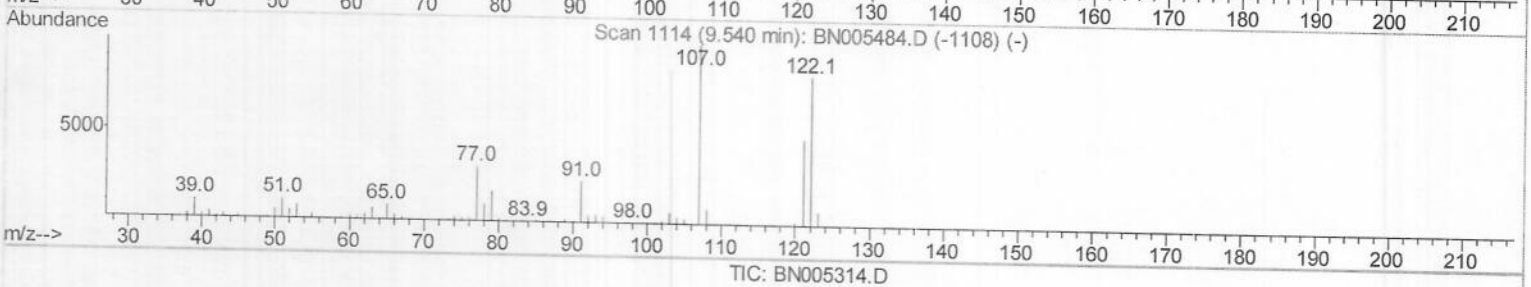
Quant Time: May 09 04:08:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(24) 2,4-Dimethylphenol

9.546min (+0.006) 3.11ng/ul

response 107489

Ion	Exp%	Act%
107.00	100	100
121.00	47.30	48.17
122.00	81.20	81.41
0.00	0.00	0.00

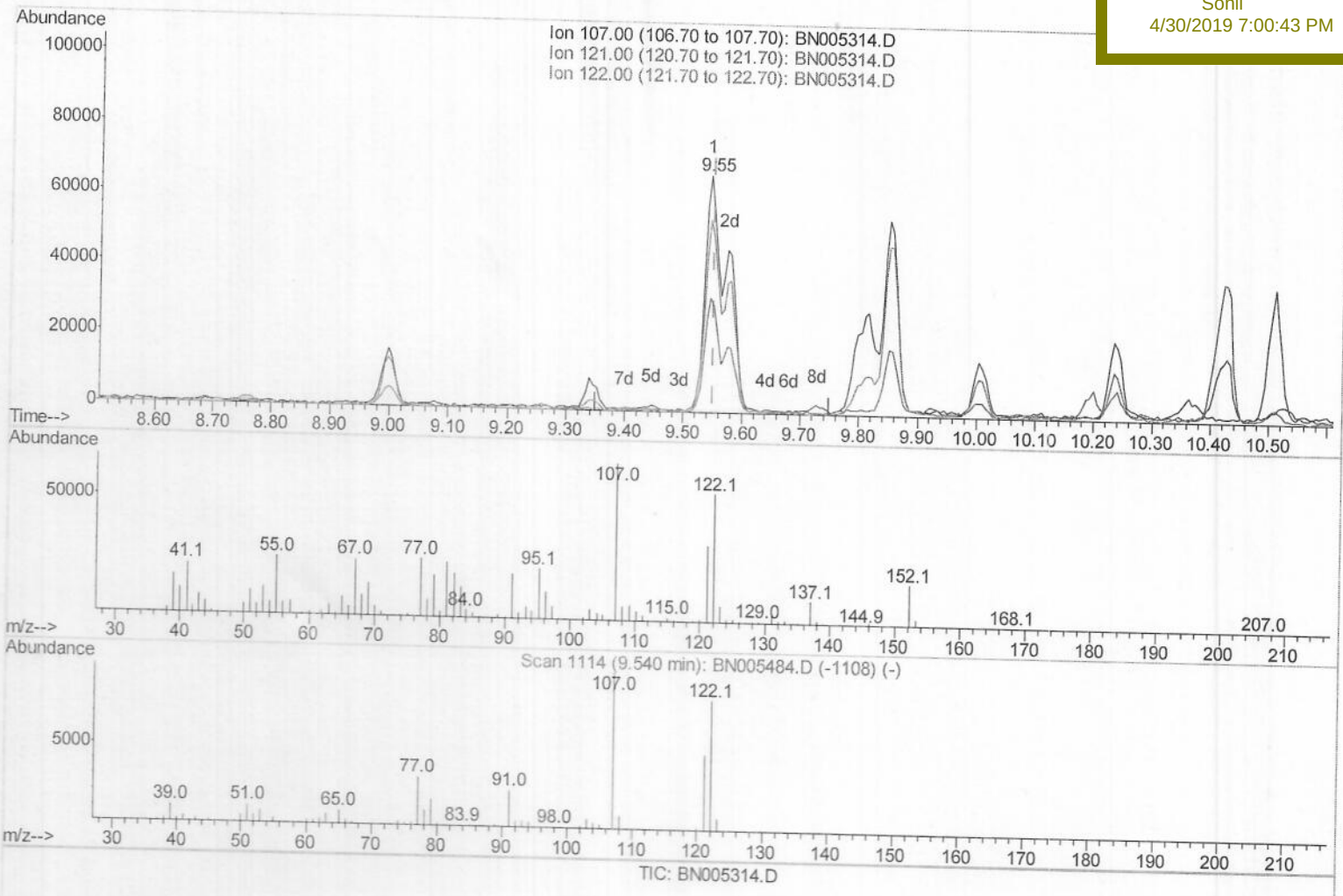
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 29 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM



TIC: BN005314.D

(24) 2,4-Dimethylphenol

9.546min (-0.006) 5.00ng/ul m 5504 | 30 | 19

response 172807

Ion	Exp%	Act%
107.00	100	100
121.00	47.30	48.17
122.00	81.20	81.41
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 29 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	479379	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1951307	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1198613	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2685573	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2512242	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	2420966	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	3922	0.40	ng/uL	0.00
5) Phenol-d5	6.78	99	88727	2.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	57011	2.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	72383	2.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	79362	2.70	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	43976	3.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	39312	3.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	75948	2.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	266793	9.27	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	250415	2.88	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	304757	2.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	43845	3.19	ng/ul	0.00
57) Fluorene-d10	15.23	176	224028	3.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	11120	0.92	ng/ul	0.00
70) Anthracene-d10	17.09	188	335322	2.98	ng/ul	0.00
78) Pyrene-d10	19.40	212	381137	2.97	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	314450	2.97	ng/ul	-0.04
Target Compounds						Qvalue
6) Phenol	6.80	94	201425	5.201	ng/ul	94
11) 2-Methylphenol	8.03	108	87237	3.006	ng/ul	95
16) 4-Methylphenol	8.36	108	177289	5.657	ng/ul	97
24) 2,4-Dimethylphenol	9.55	107	172807m	5.002	ng/ul	SJ 04/30/19
28) Naphthalene	10.41	128	22520504m	248.261	ng/ul	
34) 2-Methylnaphthalene	12.04	142	12141033	182.789	ng/ul	100 SJ 04/30/19
40) 1,1'-Biphenyl	13.06	154	1779226	19.922	ng/ul	99
47) Acenaphthylene	13.95	152	6036295	57.476	ng/ul#	97
49) Acenaphthene	14.29	153	1073842	14.977	ng/ul	99
53) Dibenzofuran	14.63	168	3919927	37.973	ng/ul	99
58) Fluorene	15.29	166	5251901	65.200	ng/ul	97
69) Phenanthrene	17.03	178	16526148m	126.355	ng/ul	SJ 04/30/19
71) Anthracene	17.12	178	6233384	46.784	ng/ul	100
74) Carbazole	17.39	167	1483891	12.965	ng/ul	98
76) Fluoranthene	19.06	202	10676149	73.592	ng/ul	100
79) Pyrene	19.43	202	10260904	63.435	ng/ul	99
82) Benzo(a)anthracene	21.20	228	4946191	31.648	ng/ul	92
84) Chrysene	21.25	228	3960706	27.306	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	3336605	24.518	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	933110m	7.179	ng/ul	SJ 04/30/19
90) Benzo(a)pyrene	23.32	252	2677983	20.935	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.58	276	1103322	7.801	ng/ul	96
92) Dibenzo(a,h)anthracene	25.59	278	342207	2.851	ng/ul#	93

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 29 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.24	276	879703	7.523	ng/ul	98

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

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM

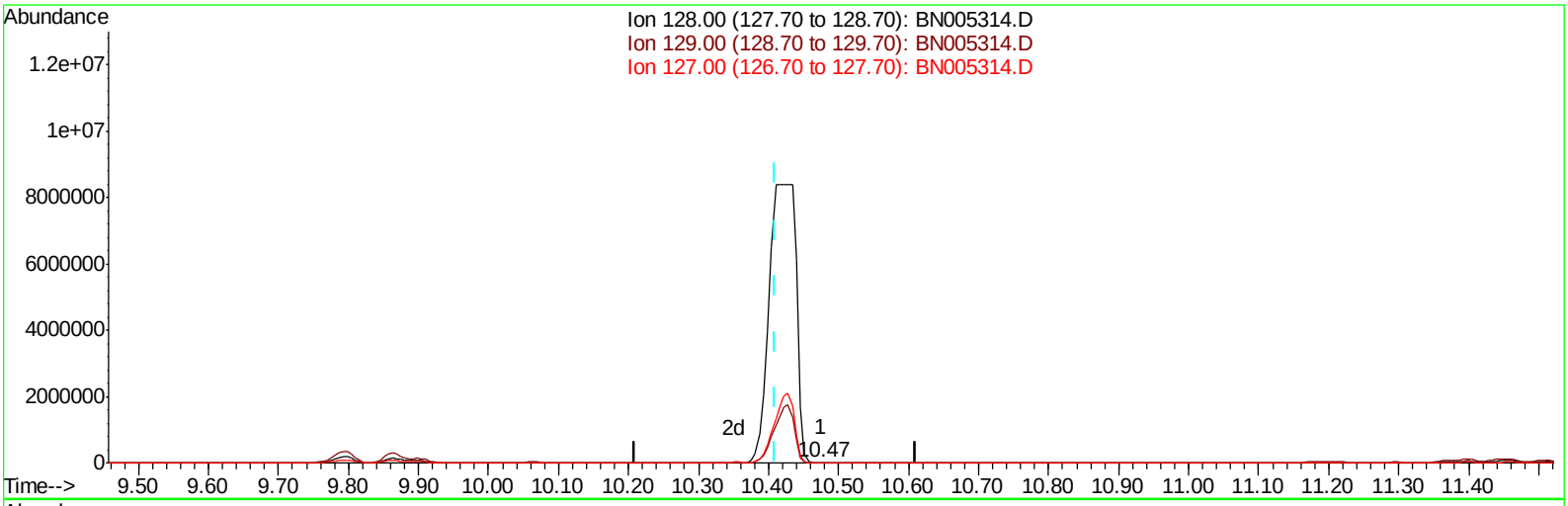
Quantitation Report (Qedit)

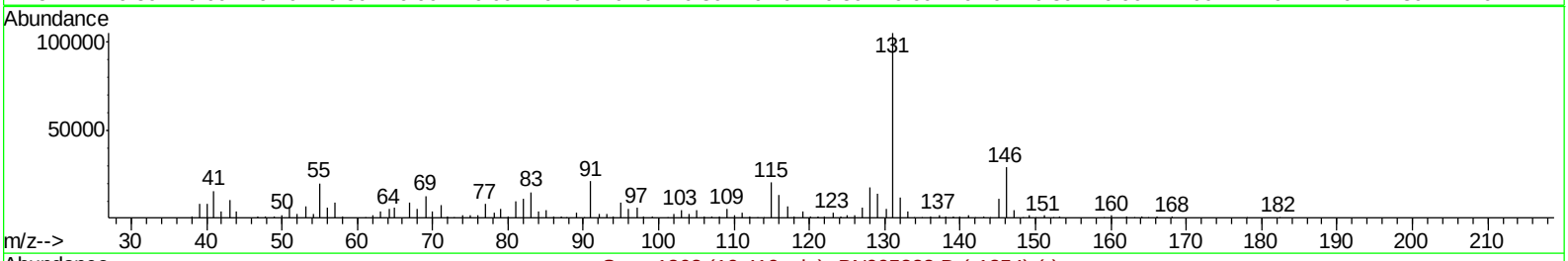
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

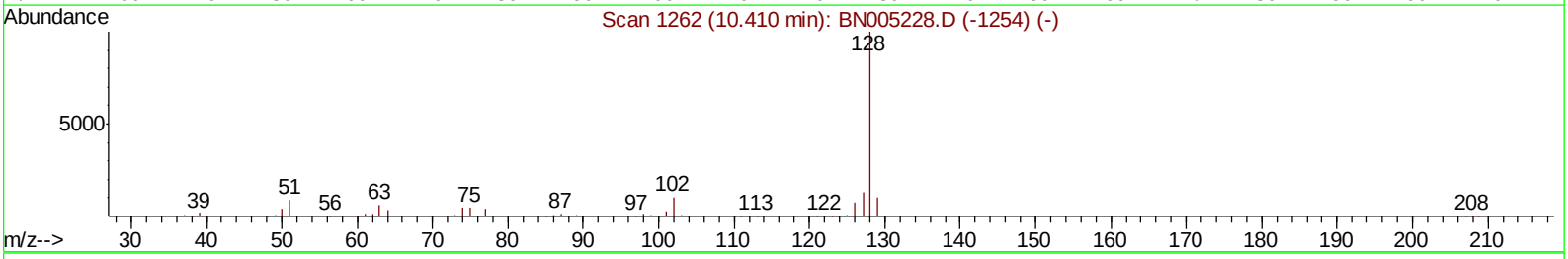
Quant Time: Apr 26 12:32:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(28) Naphthalene

10.475min (+0.065) 0.21ng/ul

response 19348

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	79.69#
127.00	13.40	32.54#
0.00	0.00	0.00

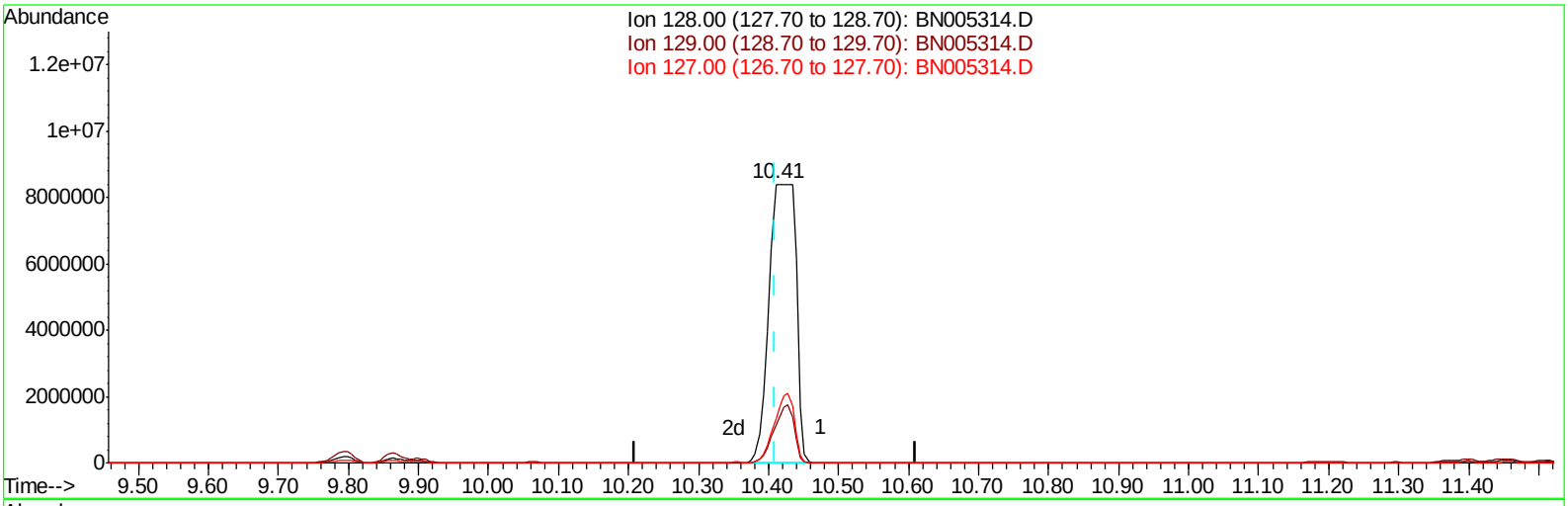
Quantitation Report (Qedit)

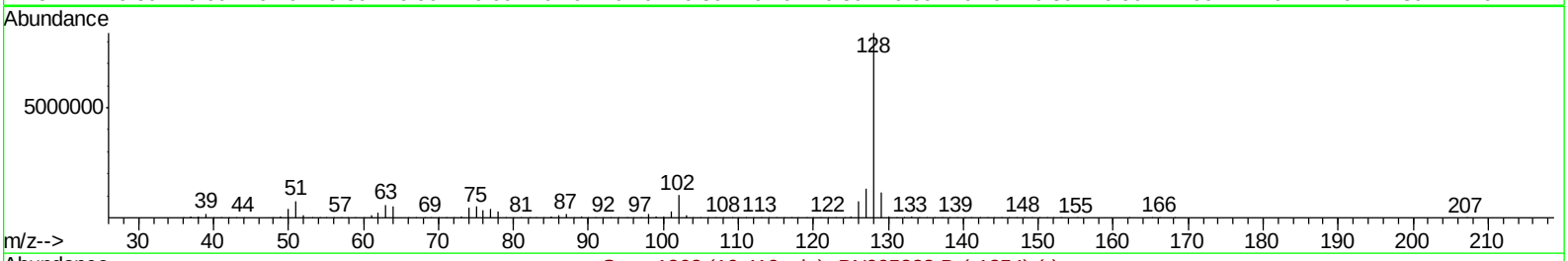
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

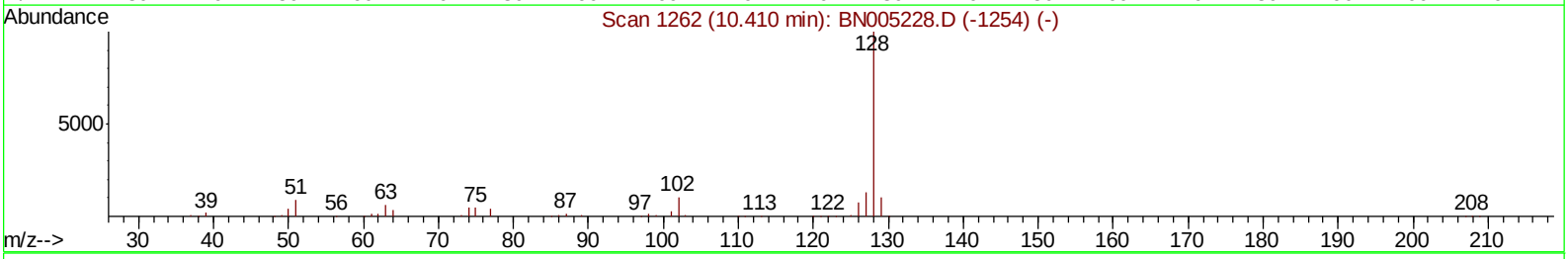
Quant Time: Apr 26 12:32:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(28) Naphthalene

10.410min (+0.000) 248.26ng/ul m

response 22520504

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	13.60
127.00	13.40	15.72
0.00	0.00	0.00

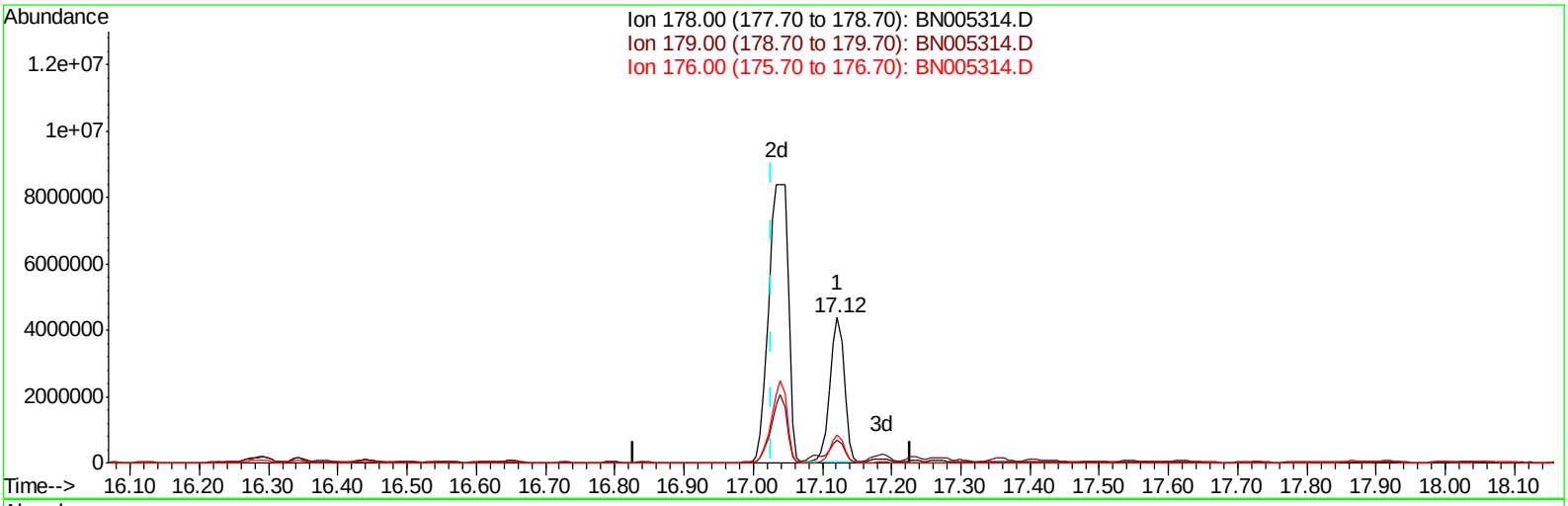
Quantitation Report (Qedit)

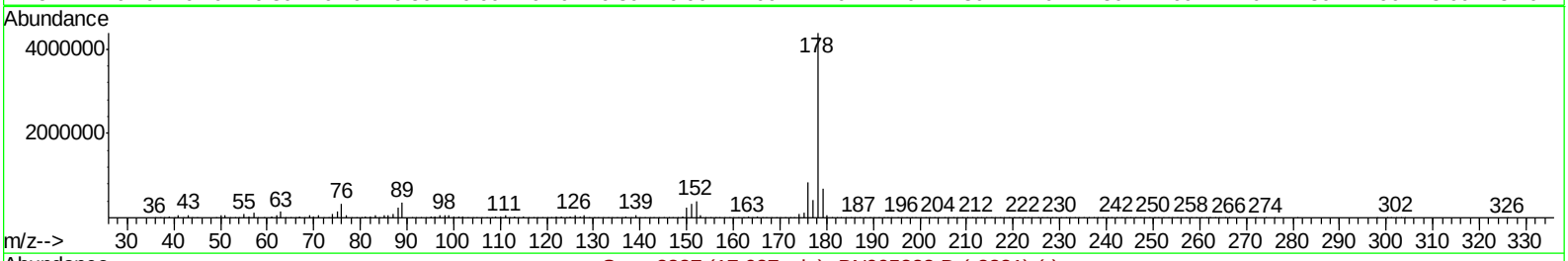
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

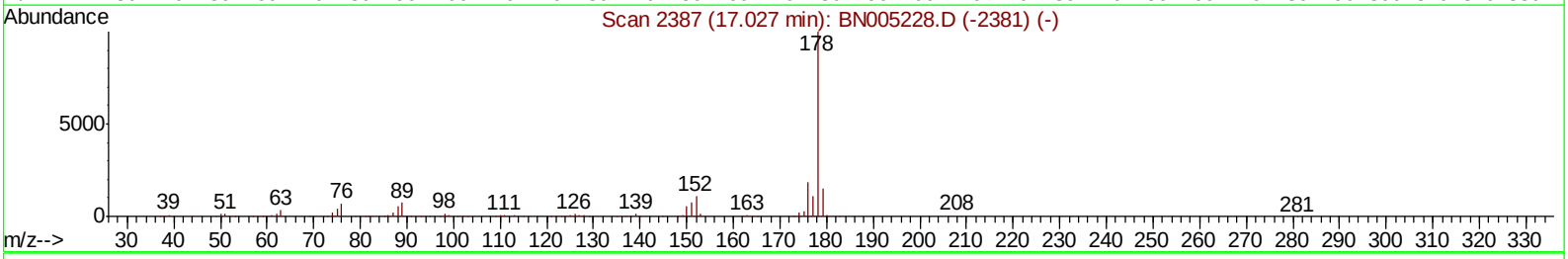
Quant Time: Apr 26 12:32:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(69) Phenanthrene

17.122min (+0.094) 47.74ng/ul

response 6243634

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.59
176.00	18.90	18.89
0.00	0.00	0.00

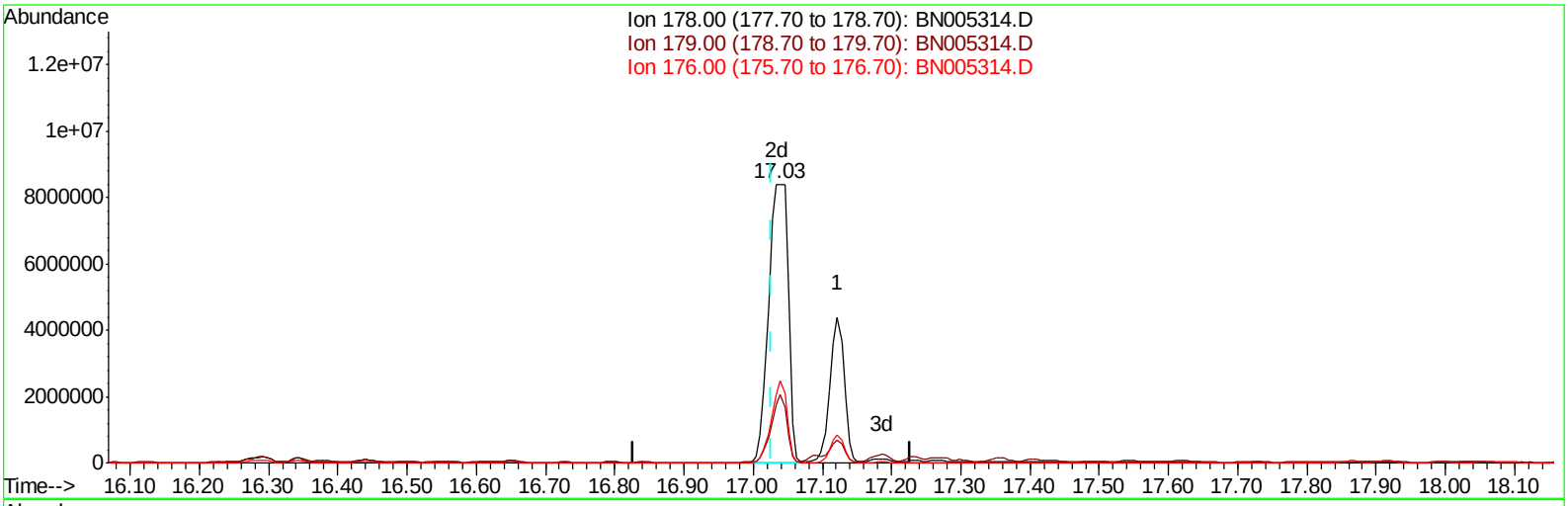
Quantitation Report (Qedit)

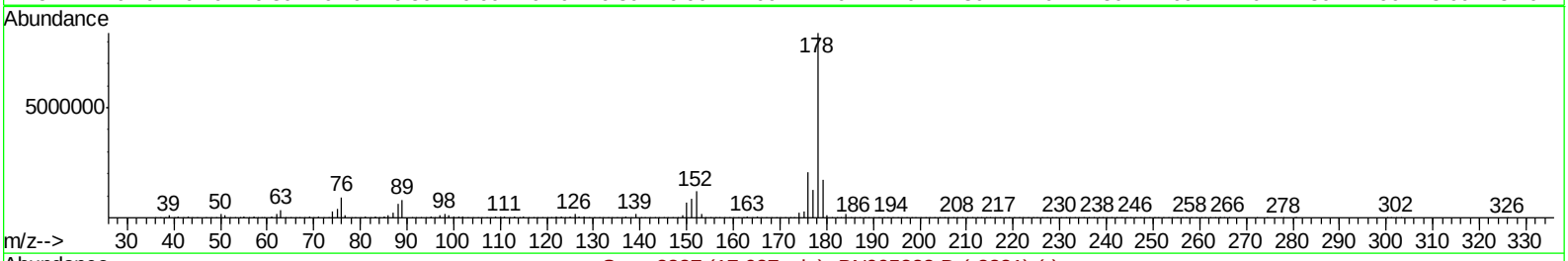
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

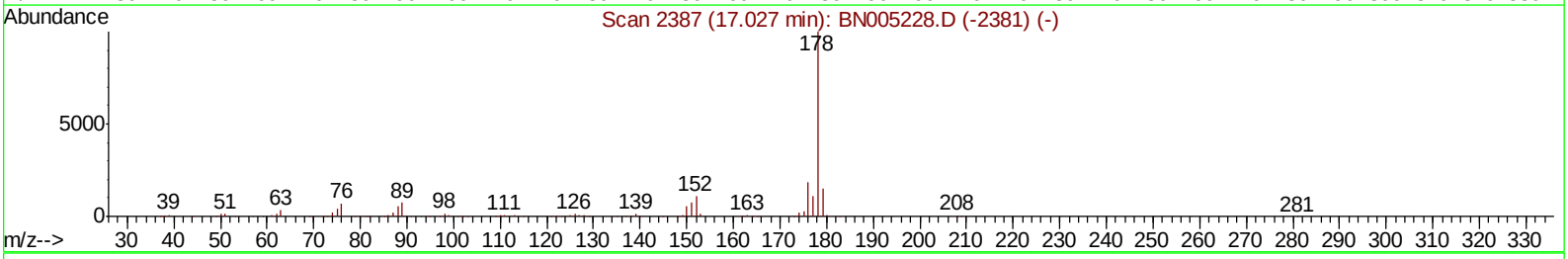
Quant Time: Apr 26 12:32:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(69) Phenanthrene

17.033min (+0.006) 126.35ng/ul m

response 16526148

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	20.89#
176.00	18.90	24.65#
0.00	0.00	0.00

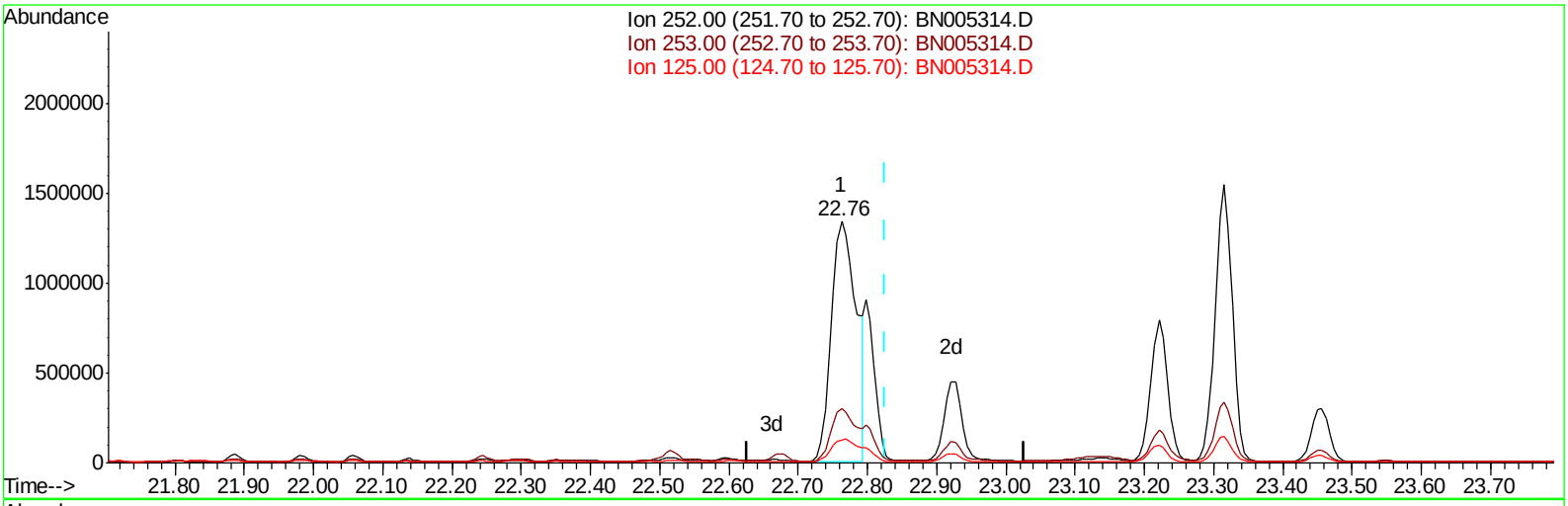
Quantitation Report (Qedit)

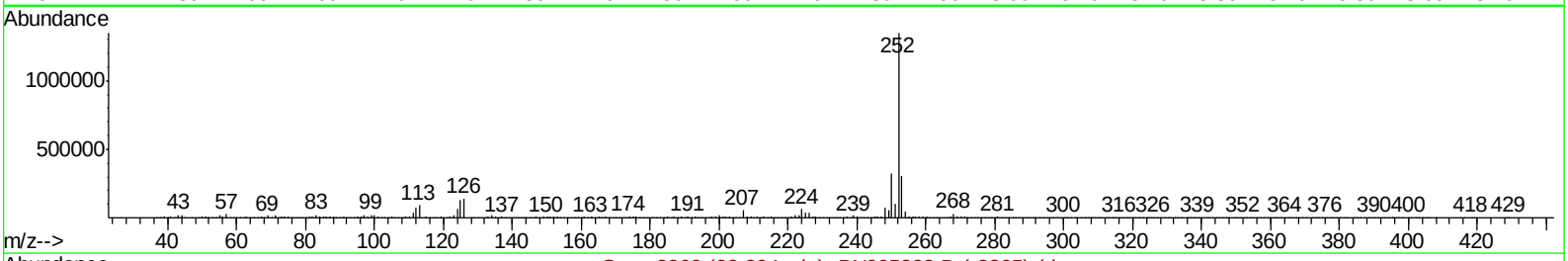
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

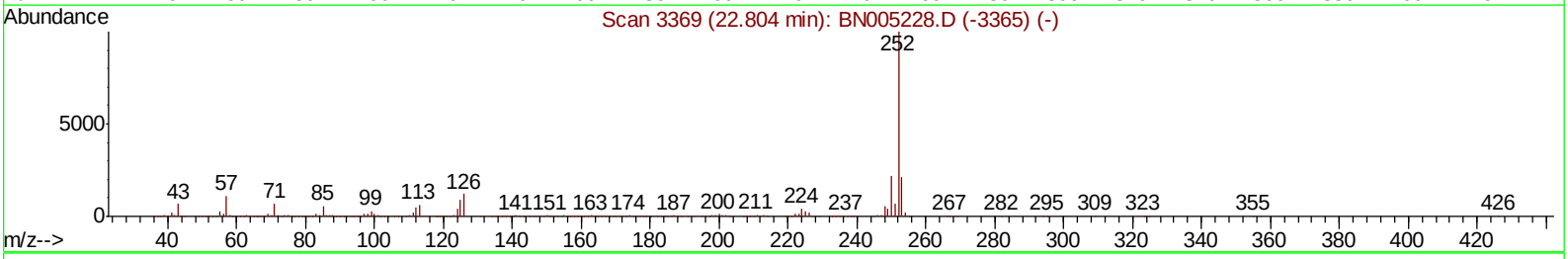
Quant Time: Apr 26 12:32:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(88) Benzo(k)fluoranthene

22.763min (-0.064) 25.67ng/ul

response 3336605

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.62
125.00	9.40	9.64
0.00	0.00	0.00

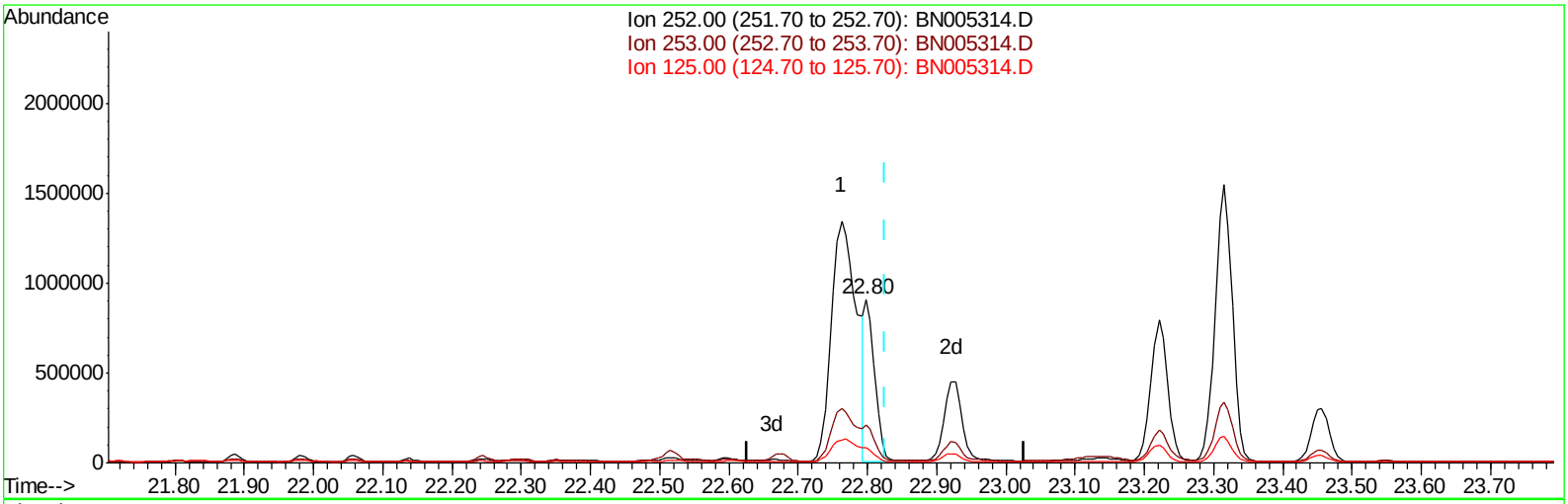
Quantitation Report (Qedit)

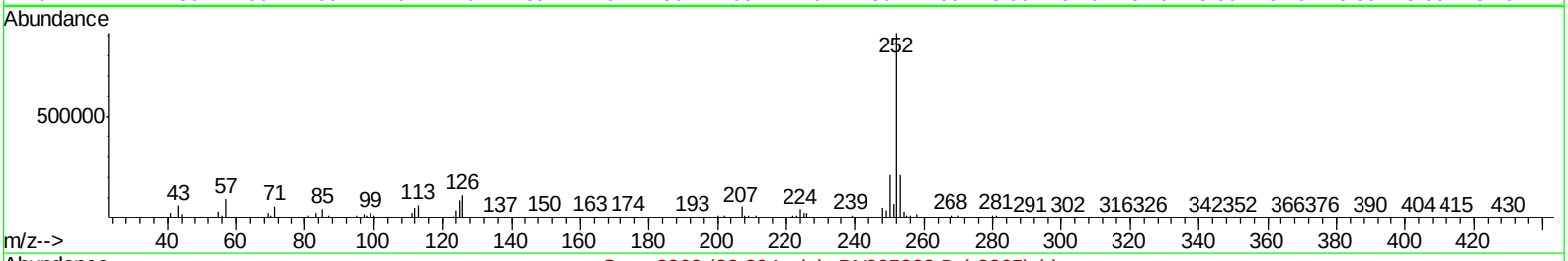
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

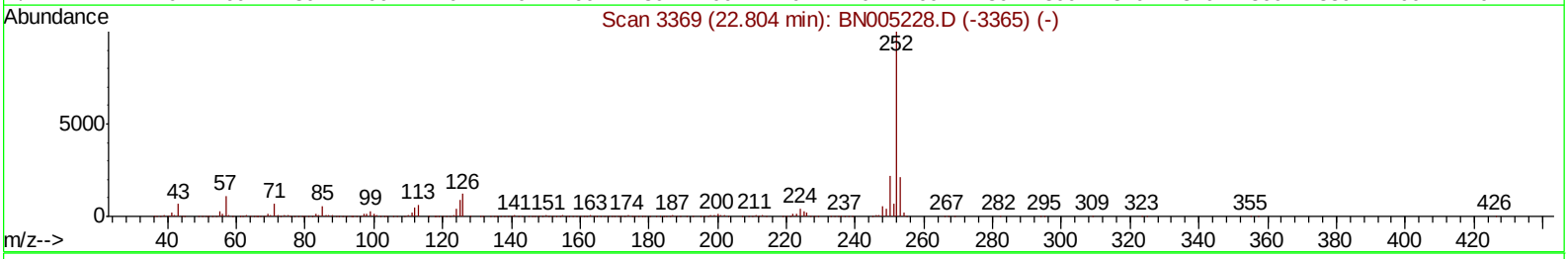
Quant Time: Apr 26 12:32:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(88) Benzo(k)fluoranthene

22.798min (-0.029) 7.18ng/ul m

response 933110

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.53
125.00	9.40	9.52
0.00	0.00	0.00

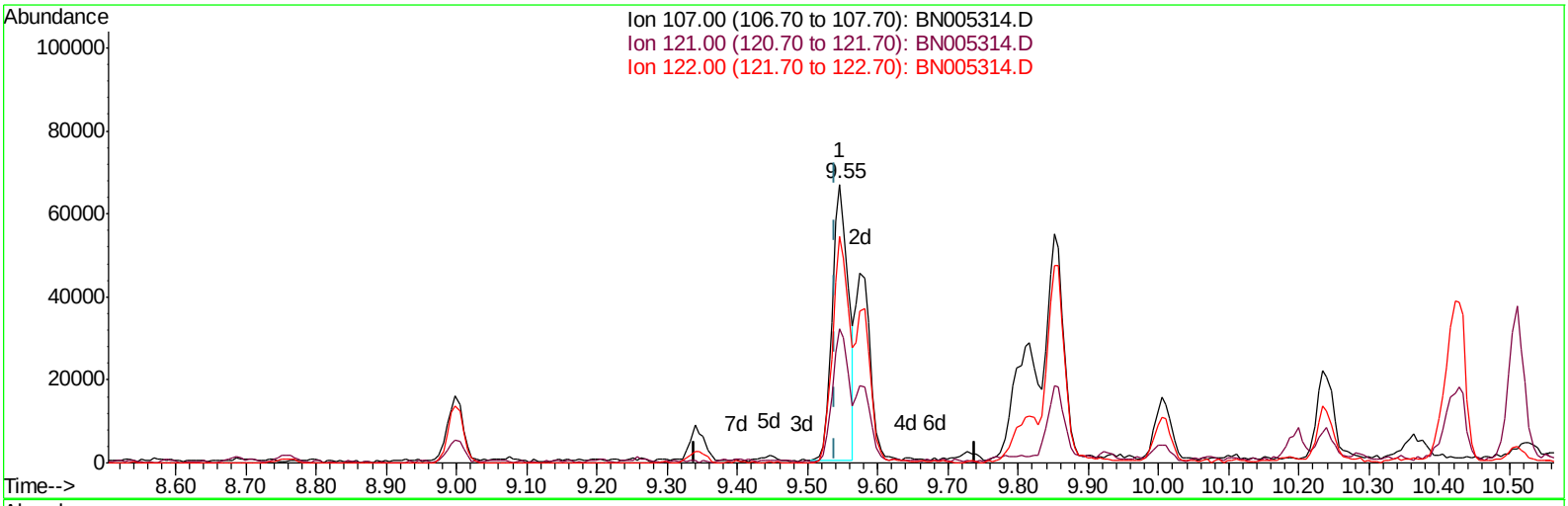
Quantitation Report (Qedit)

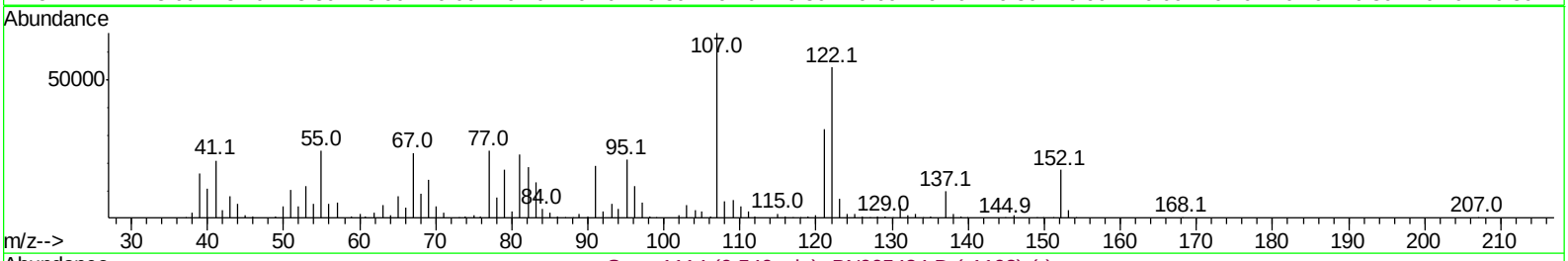
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

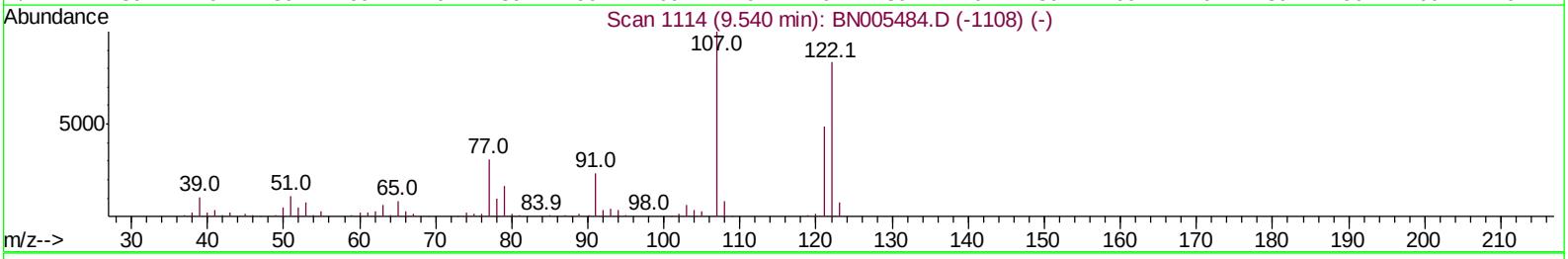
Quant Time: May 09 04:08:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(24) 2,4-Dimethylphenol

9.546min (+0.006) 3.11ng/ul

response 107489

Ion	Exp%	Act%
107.00	100	100
121.00	47.30	48.17
122.00	81.20	81.41
0.00	0.00	0.00

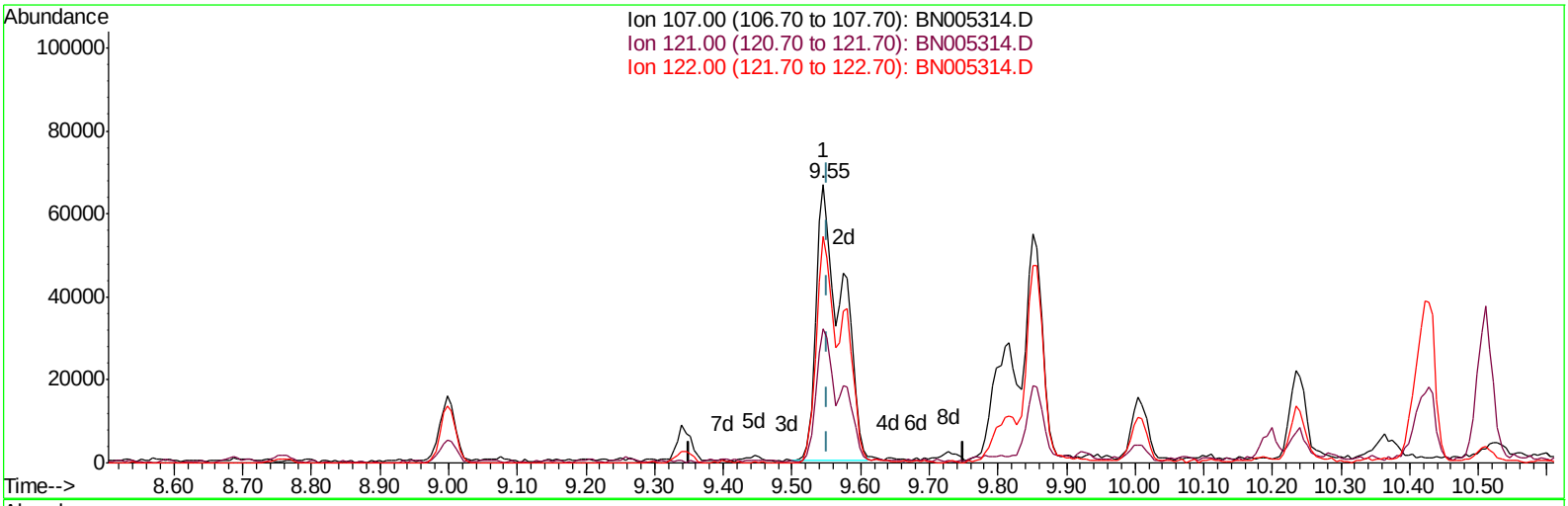
Quantitation Report (Qedit)

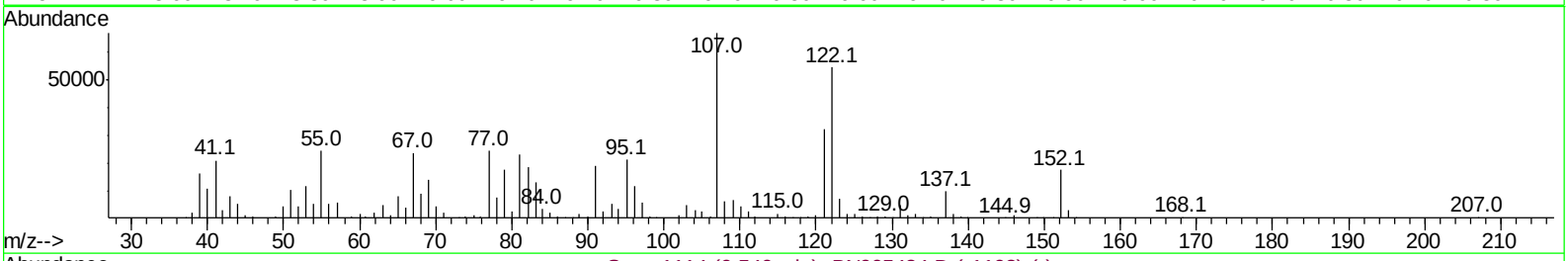
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

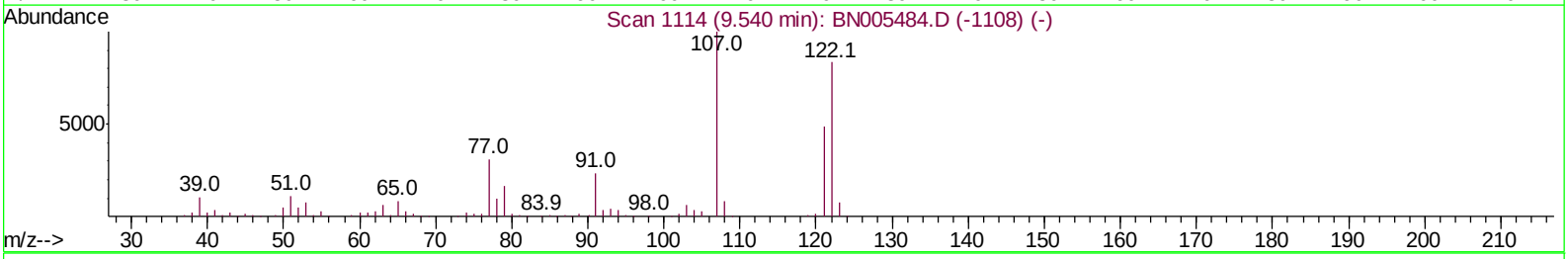
Quant Time: Apr 29 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM







TIC: BN005314.D

(24) 2,4-Dimethylphenol

9.546min (-0.006) 5.00ng/ul m

response 172807

Ion	Exp%	Act%
107.00	100	100
121.00	47.30	48.17
122.00	81.20	81.41
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 29 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	479379	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1951307	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1198613	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2685573	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2512242	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	2420966	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	3922	0.40	ng/uL	0.00
5) Phenol-d5	6.78	99	88727	2.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	57011	2.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	72383	2.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	79362	2.70	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	43976	3.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	39312	3.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	75948	2.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	266793	9.27	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	250415	2.88	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	304757	2.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	43845	3.19	ng/ul	0.00
57) Fluorene-d10	15.23	176	224028	3.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	11120	0.92	ng/ul	0.00
70) Anthracene-d10	17.09	188	335322	2.98	ng/ul	0.00
78) Pyrene-d10	19.40	212	381137	2.97	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	314450	2.97	ng/ul	-0.04
Target Compounds						Qvalue
6) Phenol	6.80	94	201425	5.201	ng/ul	94
11) 2-Methylphenol	8.03	108	87237	3.006	ng/ul	95
16) 4-Methylphenol	8.36	108	177289	5.657	ng/ul	97
24) 2,4-Dimethylphenol	9.55	107	172807m	5.002	ng/ul	
28) Naphthalene	10.41	128	22520504m	248.261	ng/ul	
34) 2-Methylnaphthalene	12.04	142	12141033	182.789	ng/ul	100
40) 1,1'-Biphenyl	13.06	154	1779226	19.922	ng/ul	99
47) Acenaphthylene	13.95	152	6036295	57.476	ng/ul#	97
49) Acenaphthene	14.29	153	1073842	14.977	ng/ul	99
53) Dibenzofuran	14.63	168	3919927	37.973	ng/ul	99
58) Fluorene	15.29	166	5251901	65.200	ng/ul	97
69) Phenanthrene	17.03	178	16526148m	126.355	ng/ul	
71) Anthracene	17.12	178	6233384	46.784	ng/ul	100
74) Carbazole	17.39	167	1483891	12.965	ng/ul	98
76) Fluoranthene	19.06	202	10676149	73.592	ng/ul	100
79) Pyrene	19.43	202	10260904	63.435	ng/ul	99
82) Benzo(a)anthracene	21.20	228	4946191	31.648	ng/ul	92
84) Chrysene	21.25	228	3960706	27.306	ng/ul	97
87) Benzo(b)fluoranthene	22.76	252	3336605	24.518	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	933110m	7.179	ng/ul	
90) Benzo(a)pyrene	23.32	252	2677983	20.935	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.58	276	1103322	7.801	ng/ul	96
92) Dibenzo(a,h)anthracene	25.59	278	342207	2.851	ng/ul#	93

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005314.D
Acq On : 26 Apr 2019 11:04
Operator : JU/SJ
Sample : K2481-22 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHX5

Manual Integrations APPROVED
Sohil
4/30/2019 7:00:43 PM

Quant Time: Apr 29 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.24	276	879703	7.523	ng/ul	98

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