

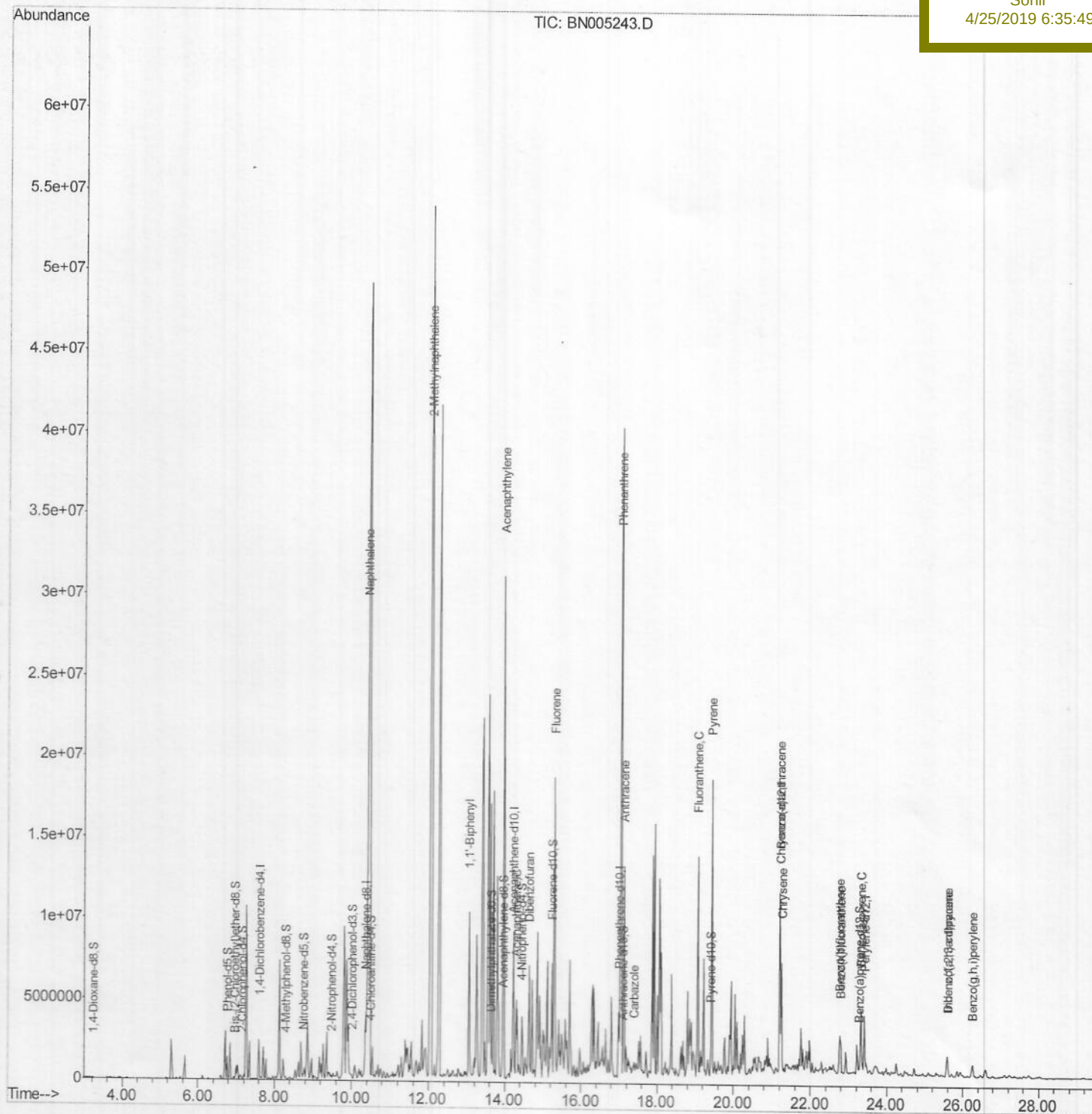
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
Data File : BN005243.D
Acq On : 24 Apr 2019 08:18
Operator : JU/SJ
Sample : K2402-10 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 26 23:06:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Instrument :
BNA_N
Client Sampled :
GAHJO

Manual Integrations
APPROVED

Sohil
4/25/2019 6:35:49 PM



Quantitation Report (Qedit)

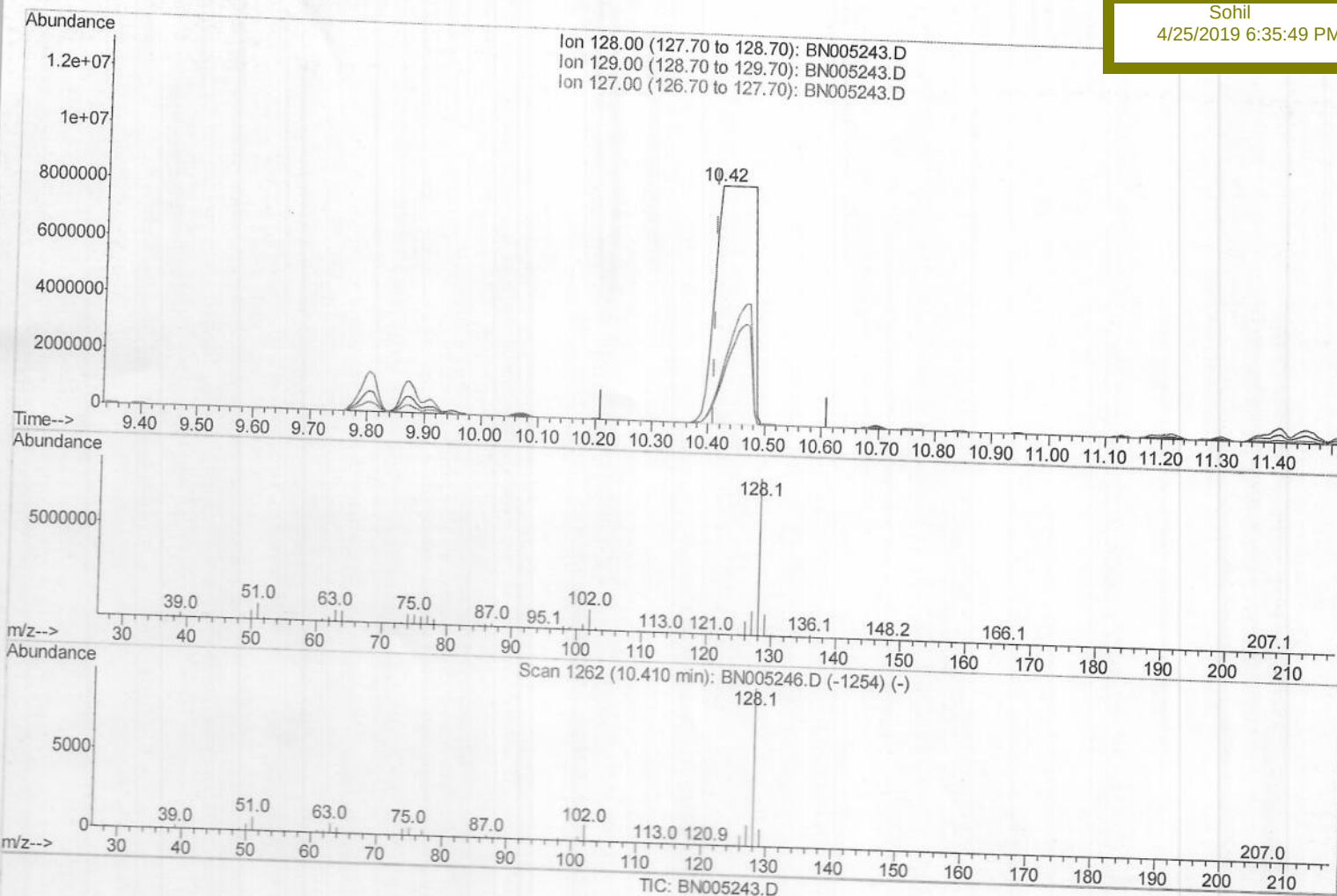
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\
 Data File : BN005243.D
 Acq On : 24 Apr 2019 08:18
 Operator : JU/SJ
 Sample : K2402-10 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 07:46:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 GAHJ0

Manual Integrations
 APPROVED

Sohil
 4/25/2019 6:35:49 PM



(28) Naphthalene

10.416min (+0.006) 345.98ng/ul m

response 39441340

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	14.03#
127.00	13.40	16.11#
0.00	0.00	0.00

SJ
 04/24/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 17:58:57 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

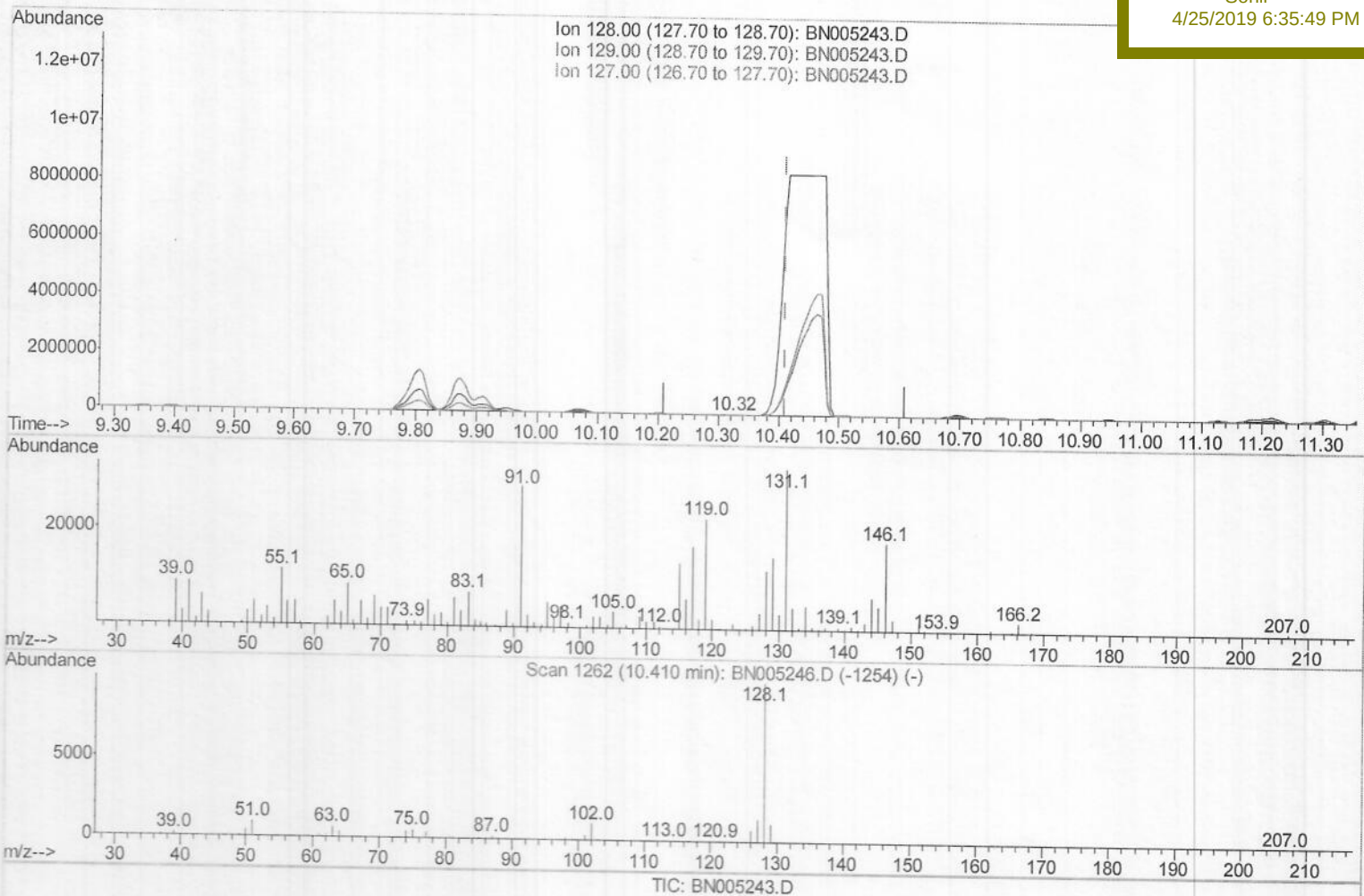
ClientSampleId :

GAHJ0

Manual Integrations
APPROVED

Sohil

4/25/2019 6:35:49 PM



(28) Naphthalene

10.322min (-0.088) 0.18ng/ul

response 20848

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	121.64#
127.00	13.40	29.90#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 07:46:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Apr 23 03:50:45 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

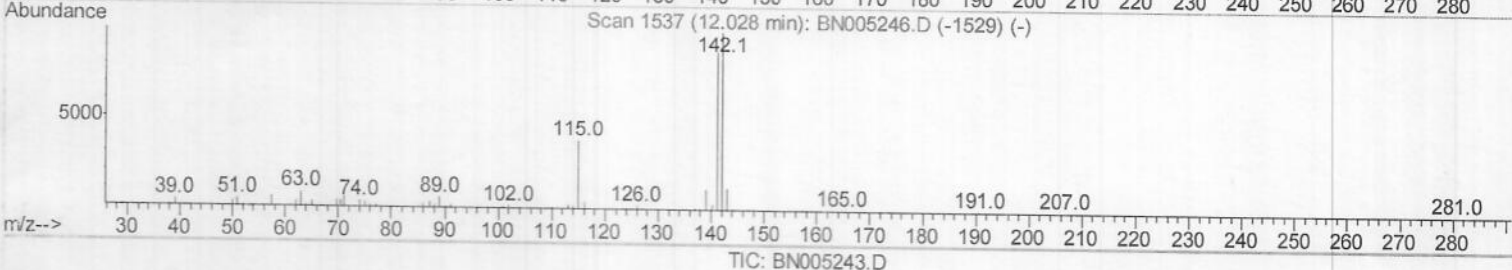
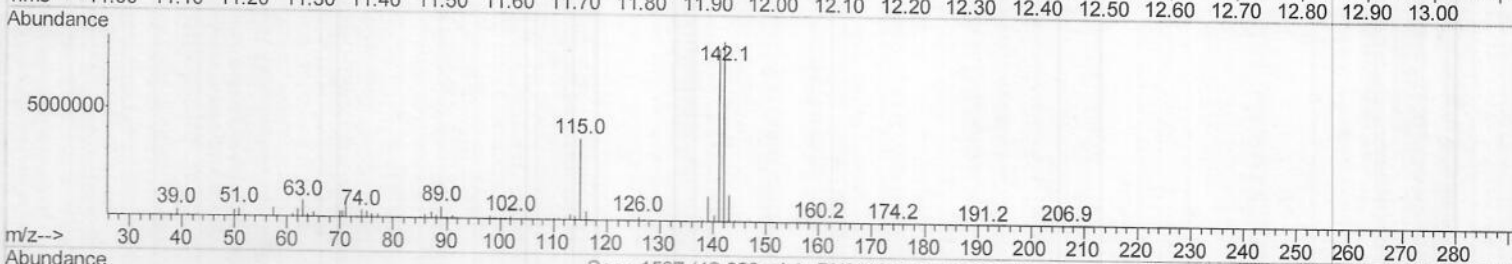
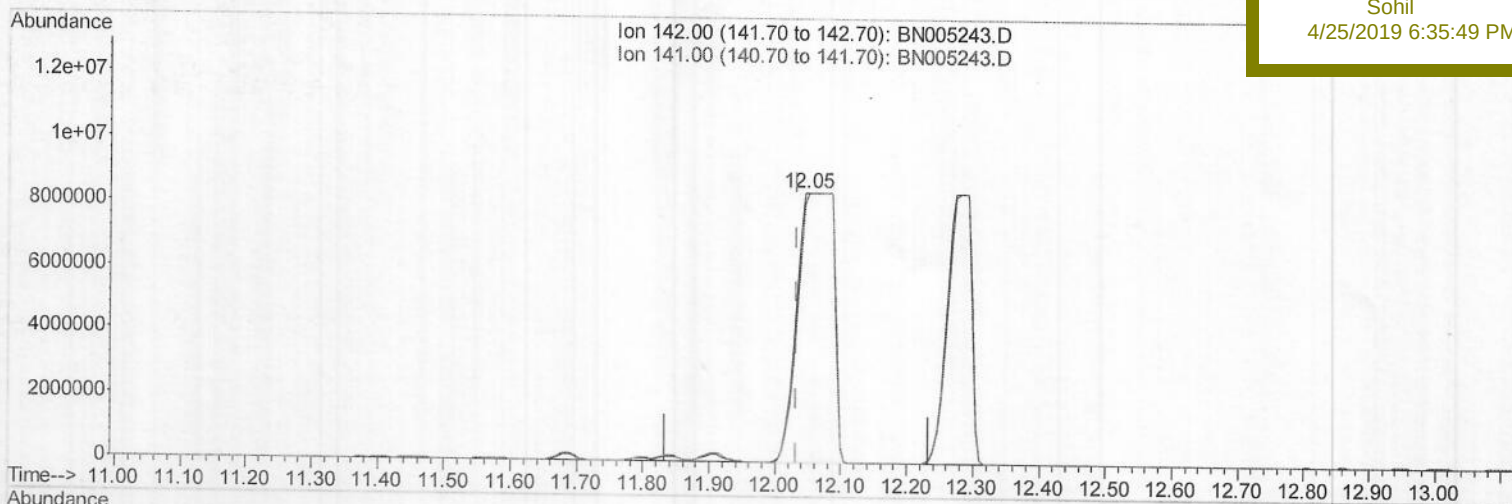
GAHJ0

Manual Integrations

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Sohil

4/25/2019 6:35:49 PM



(34) 2-Methylnaphthalene

12.045min (+0.012) 390.33ng/ul m

response 32580969

Ion	Exp%	Act%
142.00	100	100
141.00	90.00	96.01
0.00	0.00	0.00
0.00	0.00	0.00

SJ
04/24/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 17:58:57 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

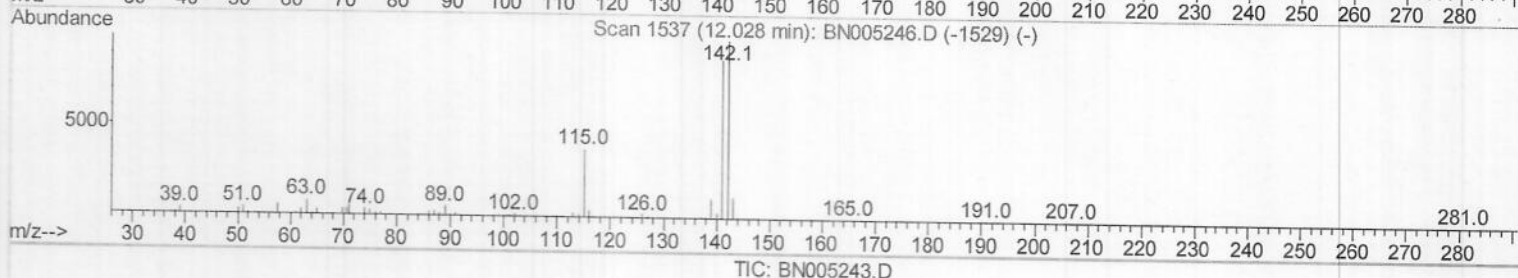
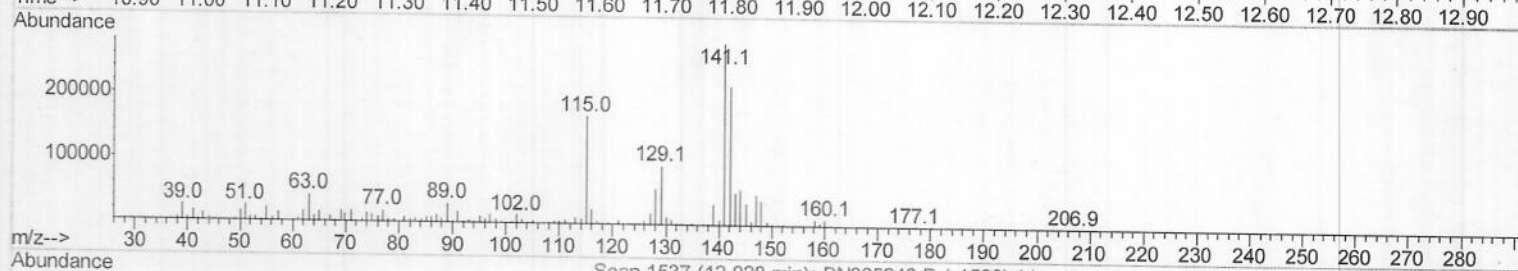
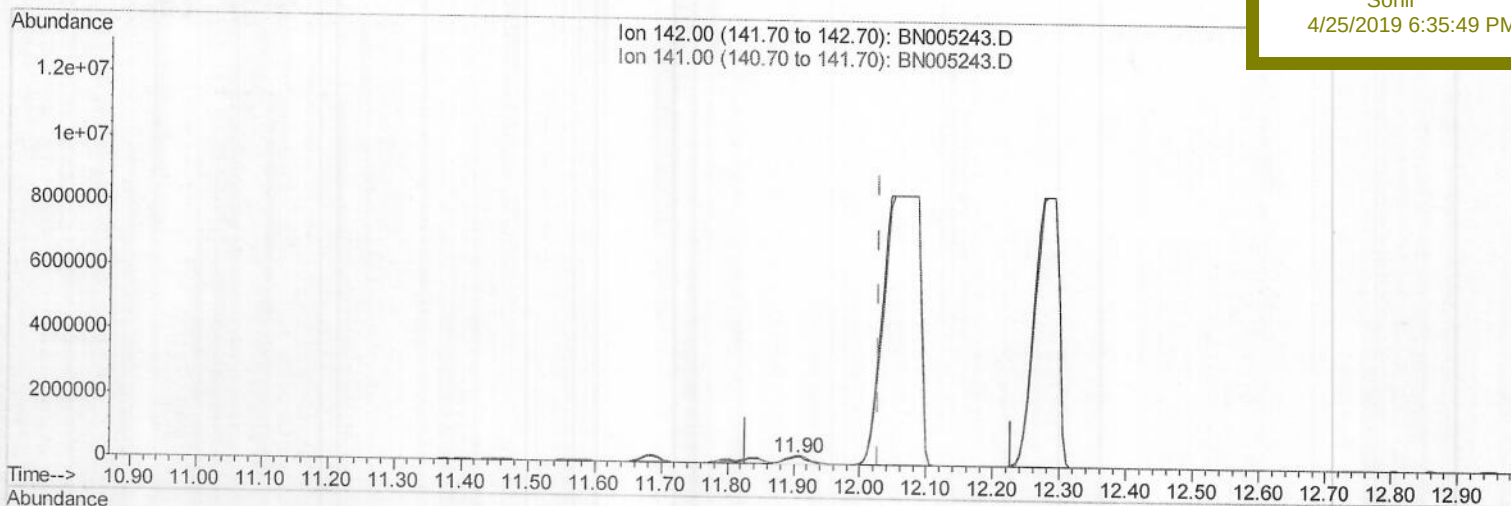
ClientSampleId :

GAHJ0

Manual Integrations
APPROVED

Sohil

4/25/2019 6:35:49 PM



(34) 2-Methylnaphthalene

11.904min (-0.123) 6.18ng/ul

response 516197

Ion	Exp%	Act%
142.00	100	100
141.00	90.00	130.76#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 07:46:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Apr 23 03:50:45 2019

Response via : Initial Calibration

Instrument :

BNA_N

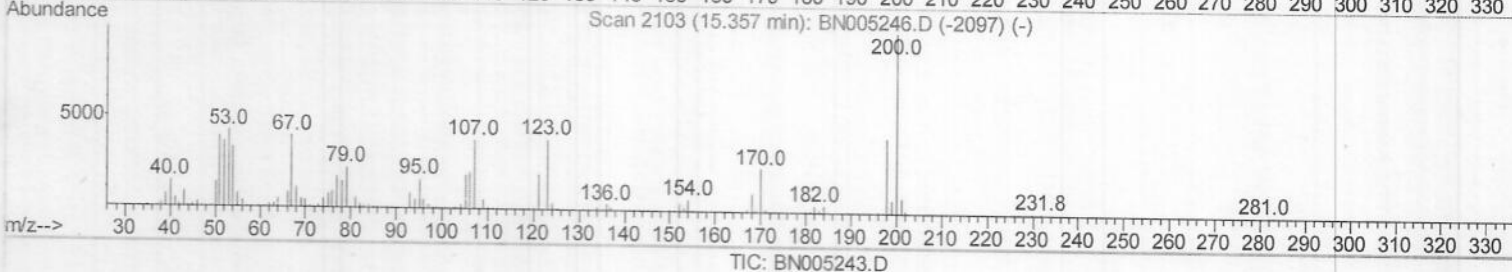
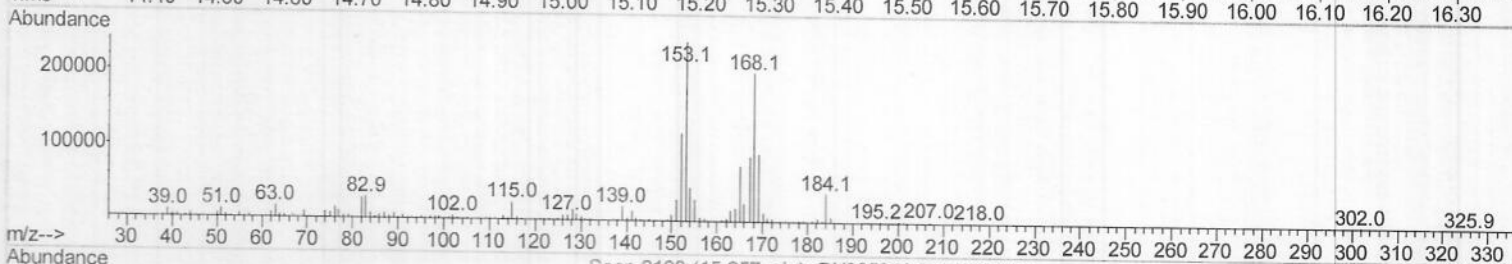
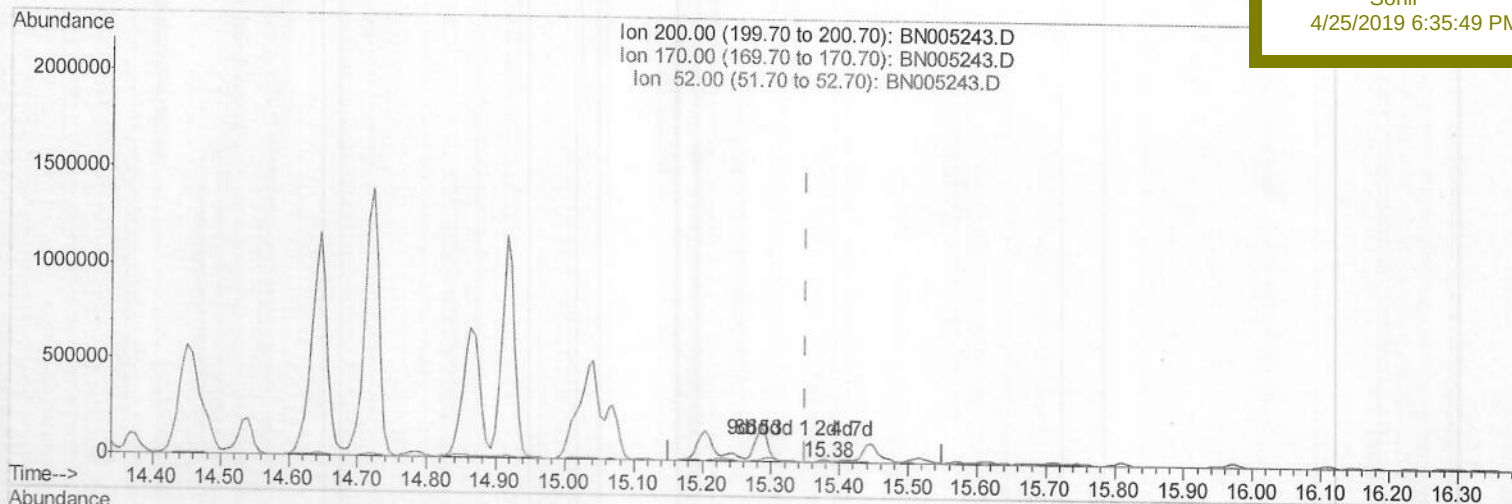
ClientSampleId :

GAHJ0

Manual Integrations
APPROVED

Sohil

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

15.381min (+0.029) 0.32ng/ul m

response 3841

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	924.53#
52.00	49.60	259.39#
0.00	0.00	0.00

S7
04/24/19

Quantitation Report (Qedit)

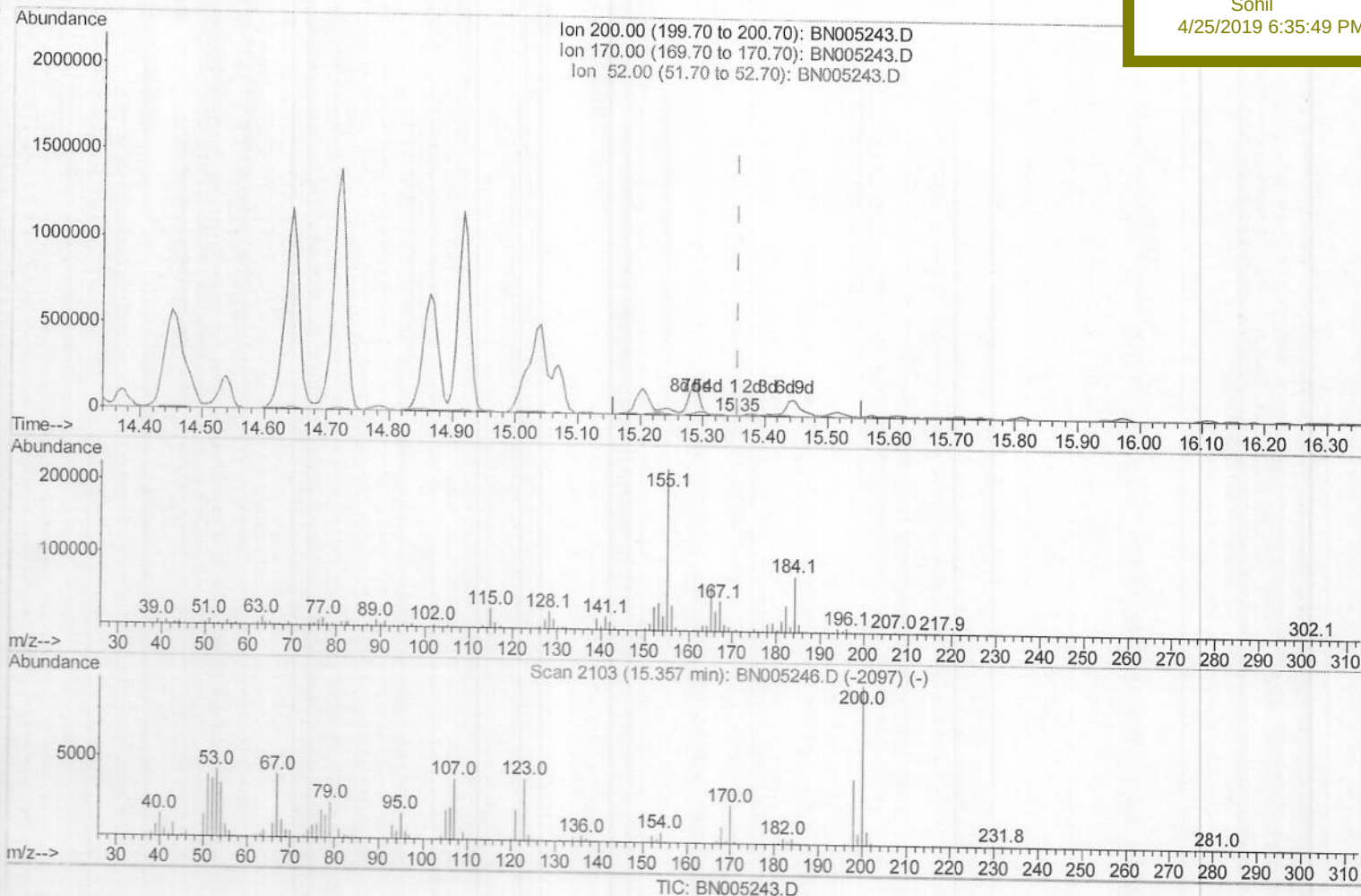
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\
 Data File : BN005243.D
 Acq On : 24 Apr 2019 08:18
 Operator : JU/SJ
 Sample : K2402-10 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 17:58:57 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 :
 GAHJ0

Manual Integrations
APPROVED

Sohil
 4/25/2019 6:35:49 PM



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

15.351min (-0.006) 0.03ng/ul

response 388

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	122.93#
52.00	49.60	173.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 07:46:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Apr 23 03:50:45 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

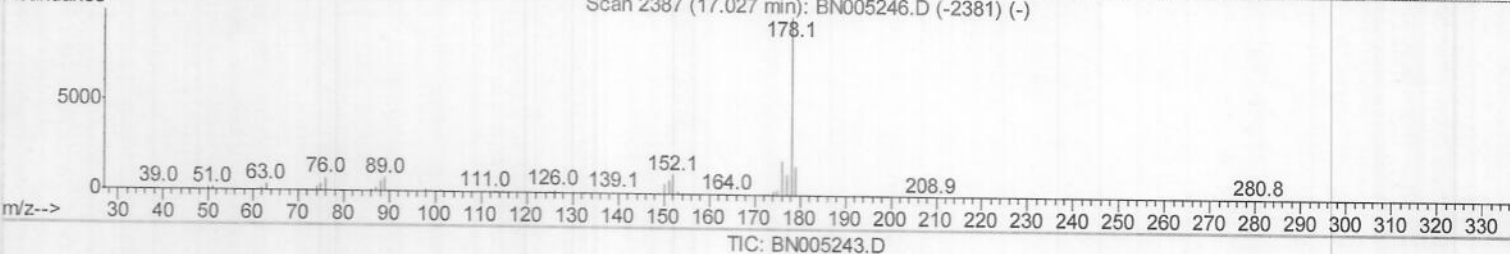
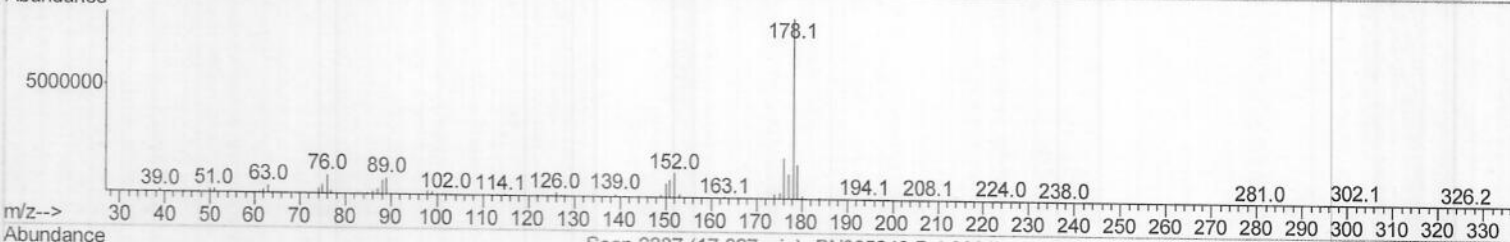
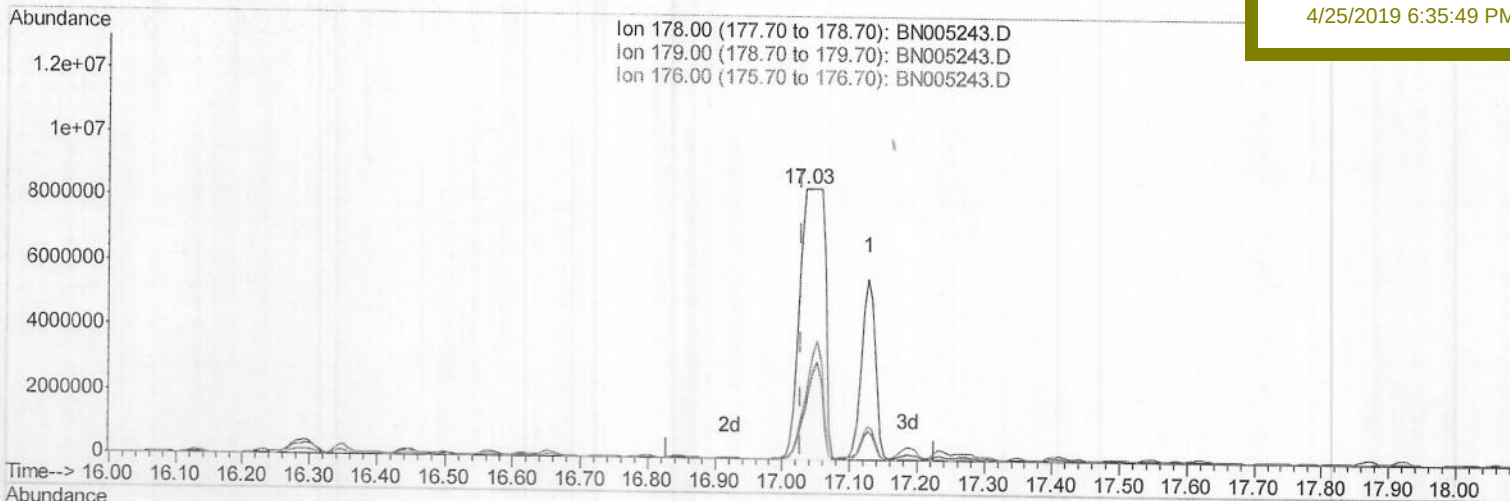
GAHJ0

Manual Integrations

APPROVED

Sohil

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(69) Phenanthrene

17.033min (+0.006) 166.22ng/ul m

response 21607731

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	19.03#
176.00	18.90	22.77#
0.00	0.00	0.00

SJ
04/24/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 17:58:57 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 :

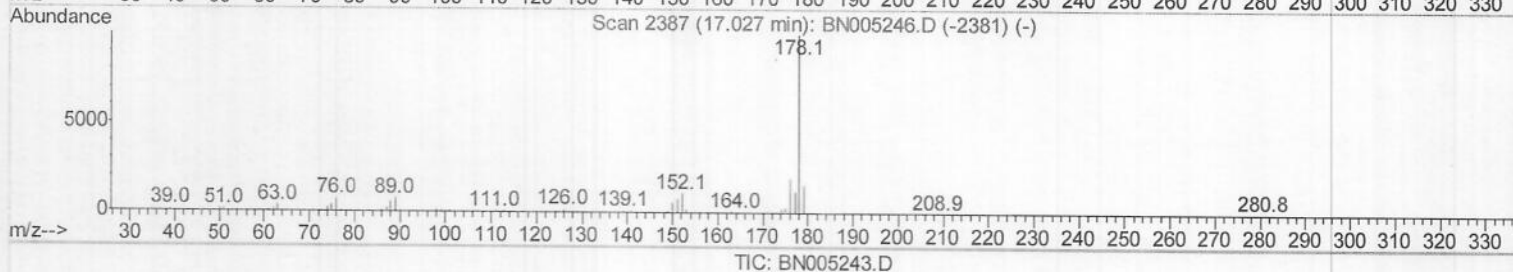
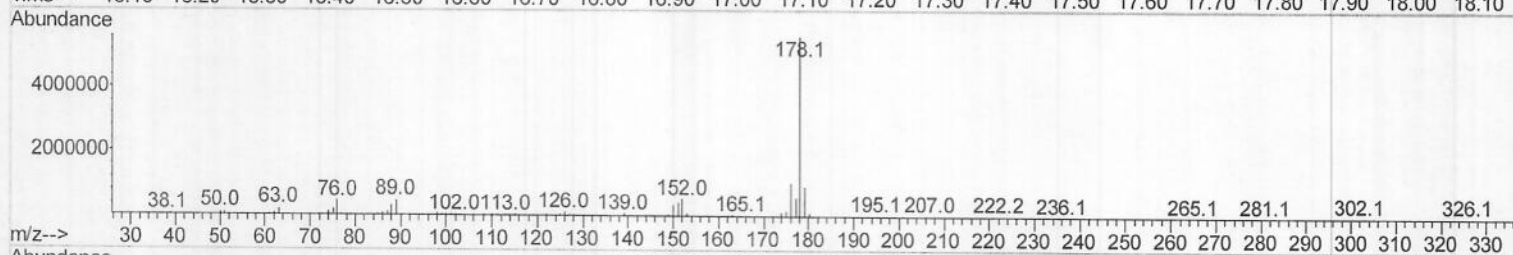
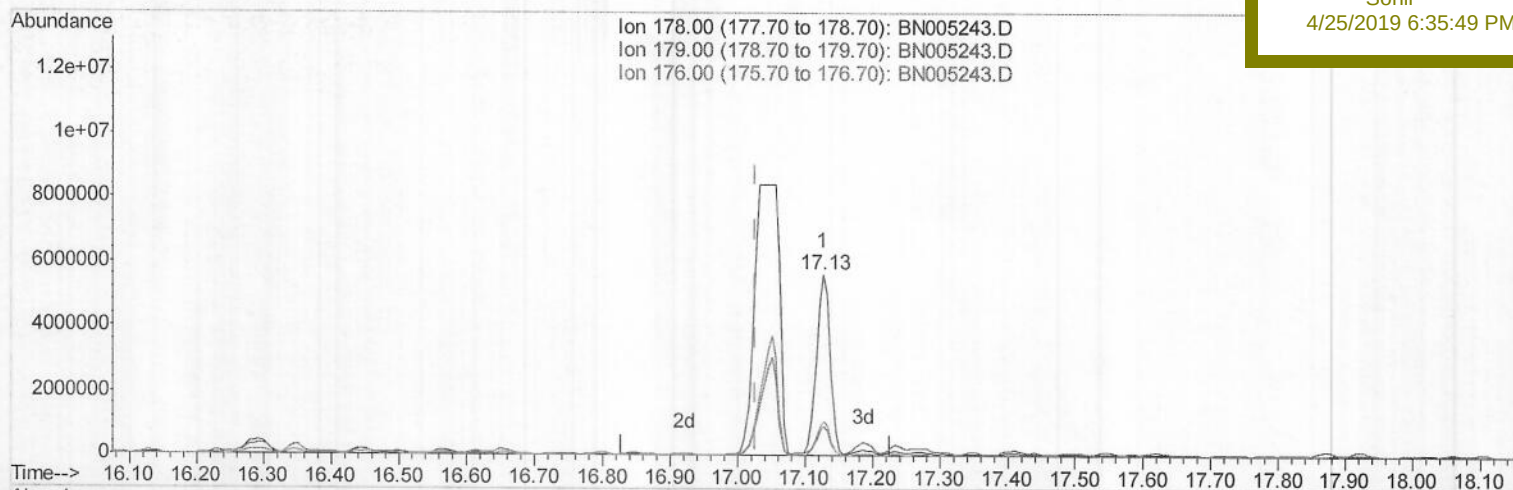
GAHJ0

Manual Integrations

APPROVED

Sohil

4/25/2019 6:35:49 PM



(69) Phenanthrene

17.128min (+0.100) 61.75ng/ul

response 8027715

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.13
176.00	18.90	18.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 07:46:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Apr 23 03:50:45 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

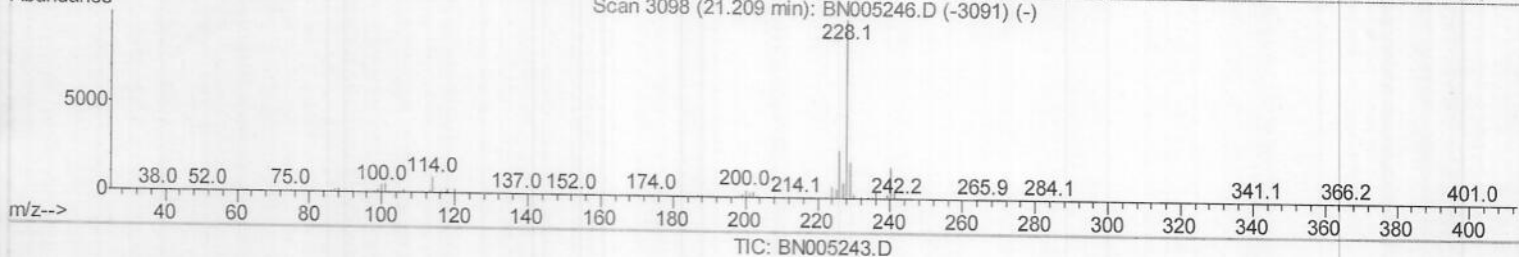
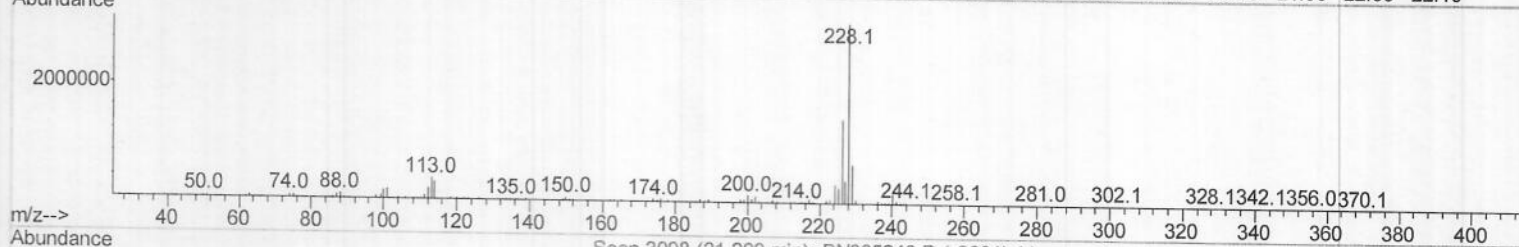
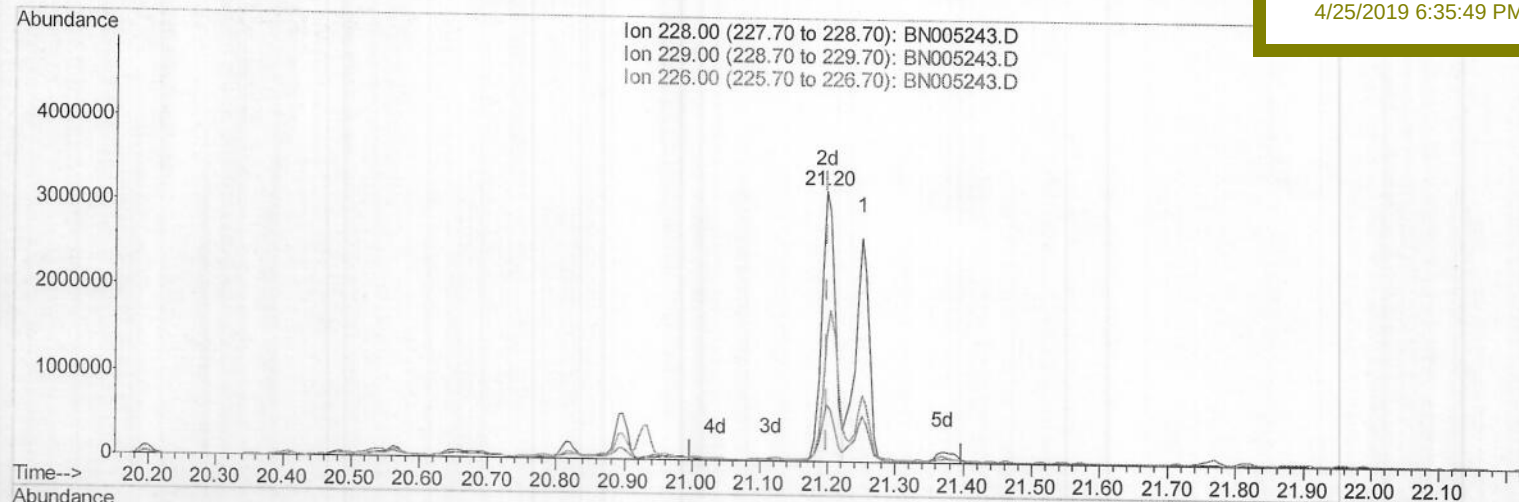
GAHJ0

Manual Integrations

APPROVED

Sohil

4/25/2019 6:35:49 PM



(82) Benzo(a)anthracene

21.198min (-0.000) 32.28ng/ul m

response 4326208

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	21.29
226.00	26.80	45.67#
0.00	0.00	0.00

SJ
04/24/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042319\

Data File : BN005243.D

Acq On : 24 Apr 2019 08:18

Operator : JU/SJ

Sample : K2402-10 10X

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 17:58:57 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 :

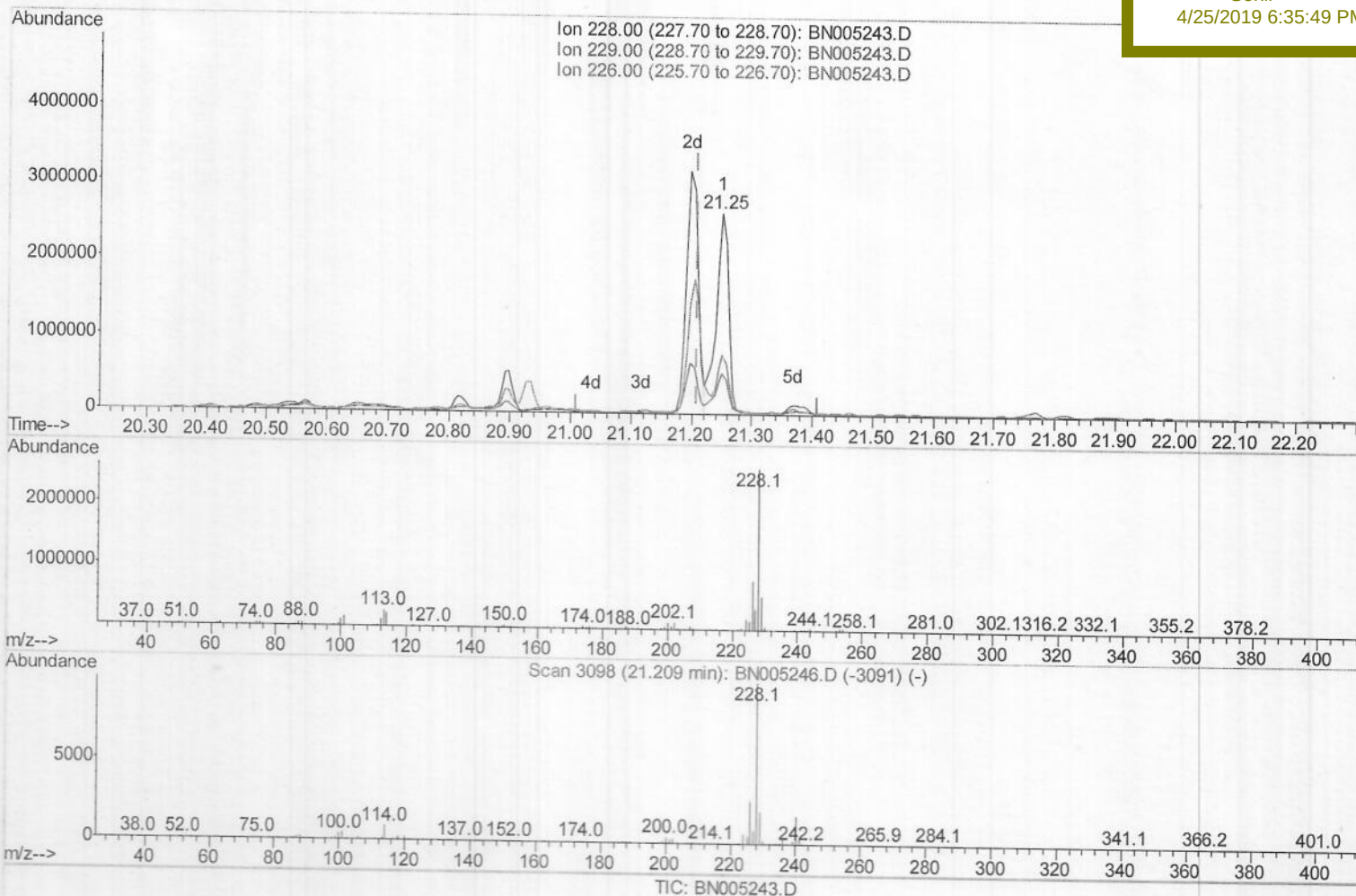
GAHJ0

Manual Integrations

APPROVED

Sohil

4/25/2019 6:35:49 PM



(82) Benzo(a)anthracene

21.251min (+0.041) 27.51ng/ul

response 3686791

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.89
226.00	26.80	30.24
0.00	0.00	0.00

Quantitation Report (Qedit)

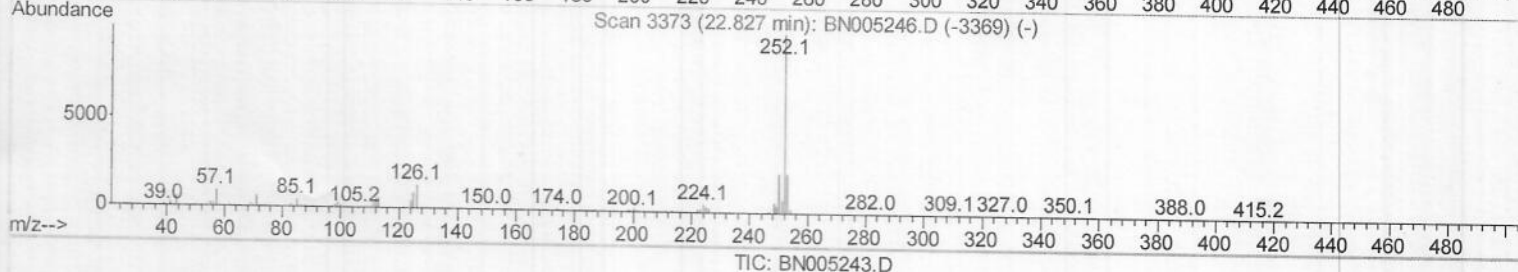
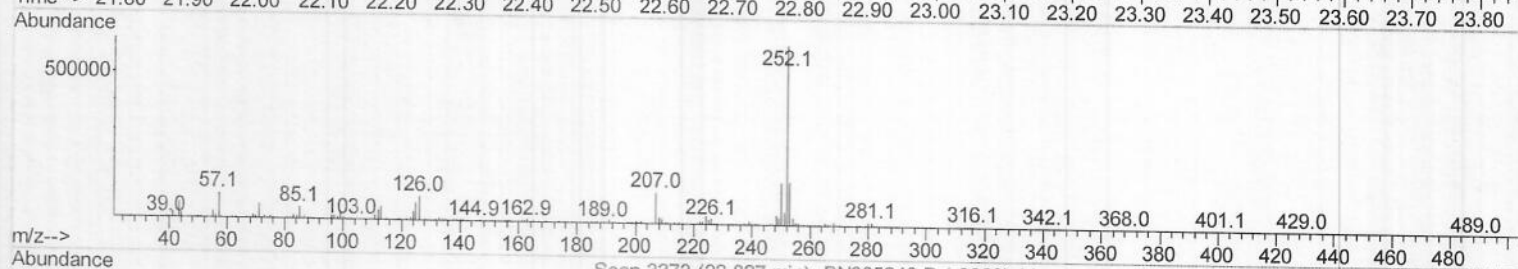
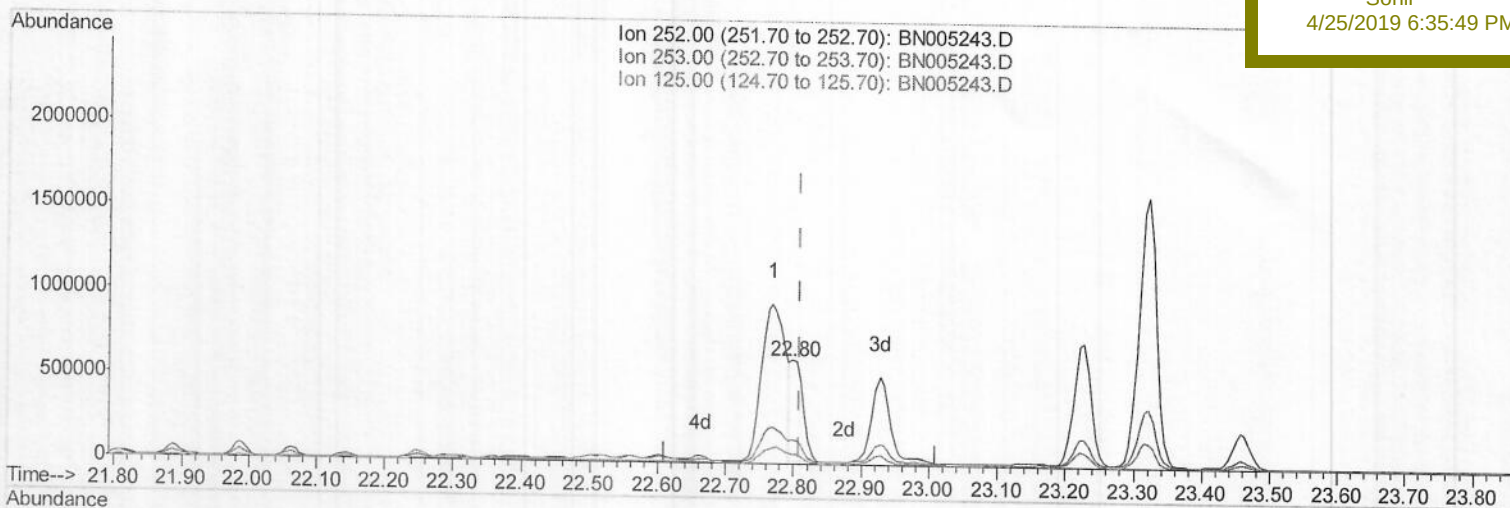
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\
 Data File : BN005243.D
 Acq On : 24 Apr 2019 08:18
 Operator : JU/SJ
 Sample : K2402-10 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 07:46:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 GAHJ0

Manual Integrations
 APPROVED

Sohil
 4/25/2019 6:35:49 PM



(88) Benzo(k)fluoranthene

22.798min (-0.012) 5.67ng/ul m

response 761358

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	23.69
125.00	9.40	9.73
0.00	0.00	0.00

SJ
 04/24/19

Quantitation Report (Qedit)

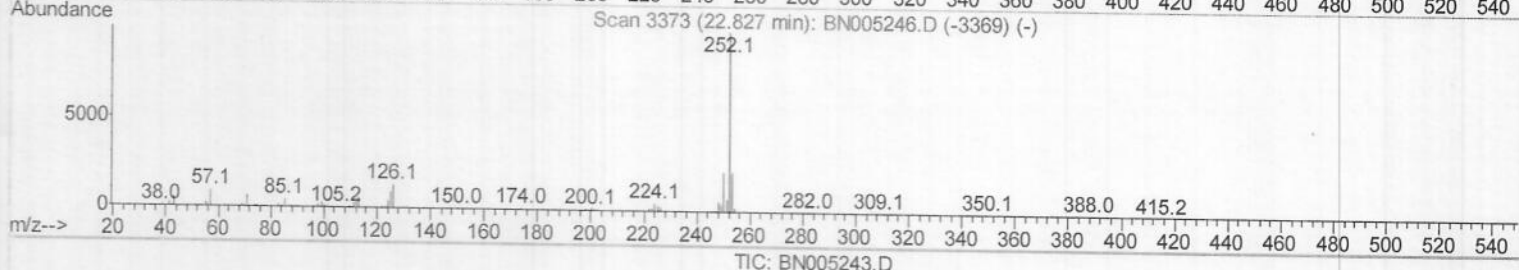
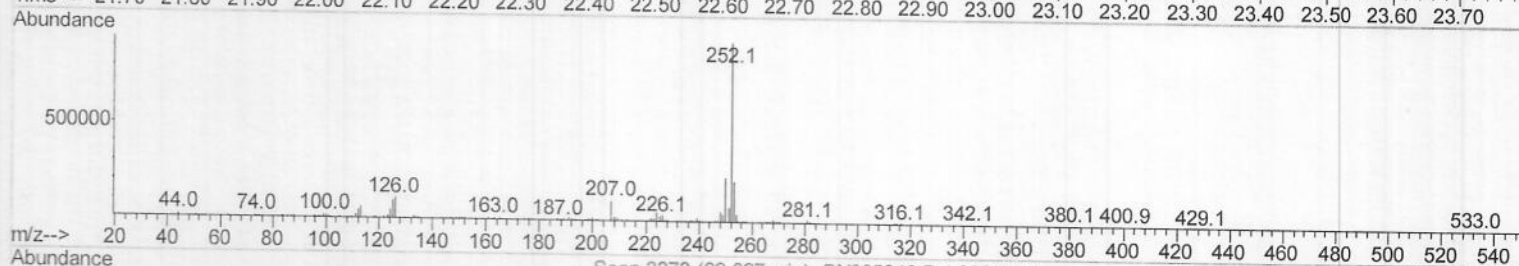
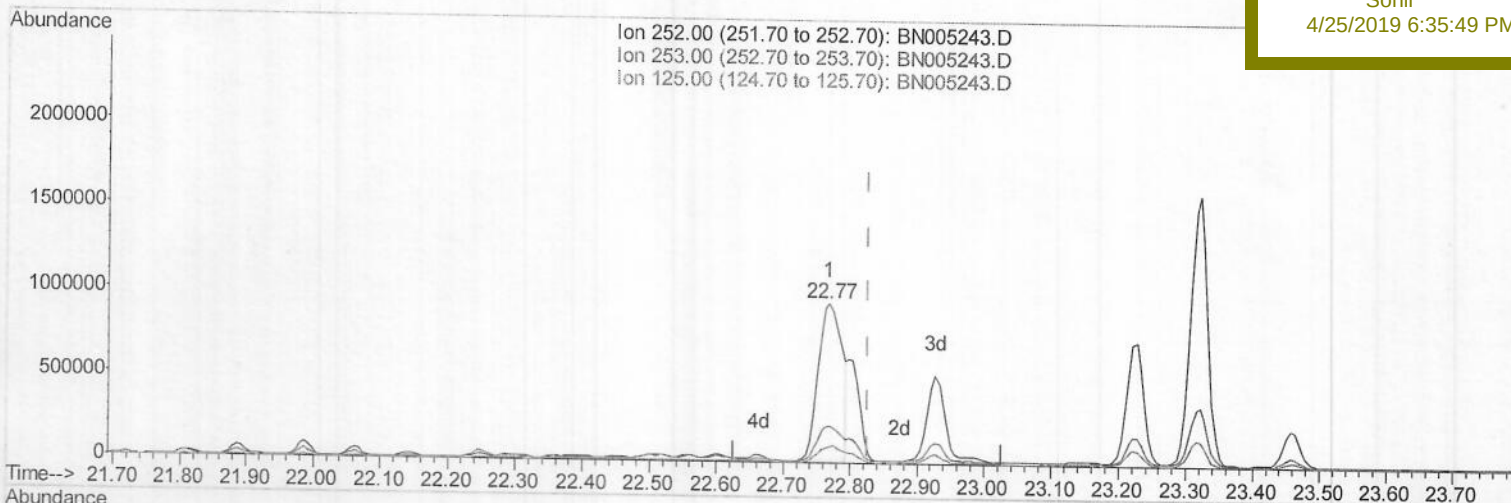
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\
 Data File : BN005243.D
 Acq On : 24 Apr 2019 08:18
 Operator : JU/SJ
 Sample : K2402-10 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 25 17:58:57 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 :
 GAHJ0

Manual Integrations
 APPROVED

Sohil
 4/25/2019 6:35:49 PM



(88) Benzo(k)fluoranthene

22.768min (-0.059) 17.11ng/ul

response 2295830

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.84
125.00	9.40	10.09
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
 Data File : BN005243.D
 Acq On : 24 Apr 2019 08:18
 Operator : JU/SJ
 Sample : K2402-10 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 26 23:06:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sample ID :
 GAHJ0

Manual Integrations
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Internal Standards	R.T.	Q Ion	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	620530	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	2452187	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	1395778	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2669229	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2154102	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2501318	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	Q Ion	Response	Conc	Units	Dev (Min)
3) 1,4-Dioxane-d8	3.22	96	13845	1.08	ng/uL	0.00
5) Phenol-d5	6.78	99	85162	1.75	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.95	67	59560	1.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	68333	1.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	43758	1.15	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	40423	2.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	32827	2.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	67363	1.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	116763	3.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	276456	2.73	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	306908	2.47	ng/ul	0.01
51) 4-Nitrophenol-d4	14.44	143	34559	2.16	ng/ul	0.00
57) Fluorene-d10	15.23	176	216944	2.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	3841m	0.32	ng/ul	0.03
70) Anthracene-d10	17.09	188	287815	2.57	ng/ul	0.00
78) Pyrene-d10	19.40	212	295157	2.68	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	280645	2.57	ng/ul	0.00

Target Compounds	R.T.	Q Ion	Response	Conc	Units	Qvalue
28) Naphthalene	10.42	128	39441340m	345.982	ng/ul	
34) 2-Methylnaphthalene	12.05	142	32580969m	390.328	ng/ul	
40) 1,1'-Biphenyl	13.06	154	5157207	49.589	ng/ul	100
47) Acenaphthylene	13.96	152	17424920	142.479	ng/ul#	84
49) Acenaphthene	14.30	153	1849746	22.155	ng/ul	98
53) Dibenzofuran	14.63	168	2181950	18.151	ng/ul	95
58) Fluorene	15.30	166	9258810	98.707	ng/ul	98
69) Phenanthrene	17.03	178	21607731m	166.219	ng/ul	
71) Anthracene	17.13	178	8027715	60.620	ng/ul	99
74) Carbazole	17.39	167	314618	2.766	ng/ul#	92
76) Fluoranthene	19.06	202	7873302	54.604	ng/ul	99
79) Pyrene	19.43	202	11544463	83.236	ng/ul	99
82) Benzo(a)anthracene	21.20	228	4326208m	32.283	ng/ul	
84) Chrysene	21.25	228	3686791	29.643	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	2295830	16.328	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	761358m	5.670	ng/ul	
90) Benzo(a)pyrene	23.32	252	2819619	21.334	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	994701	6.807	ng/ul	96
92) Dibenzo(a,h)anthracene	25.60	278	332135	2.678	ng/ul	93
93) Benzo(g,h,i)perylene	26.25	276	835058	6.911	ng/ul	99

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