

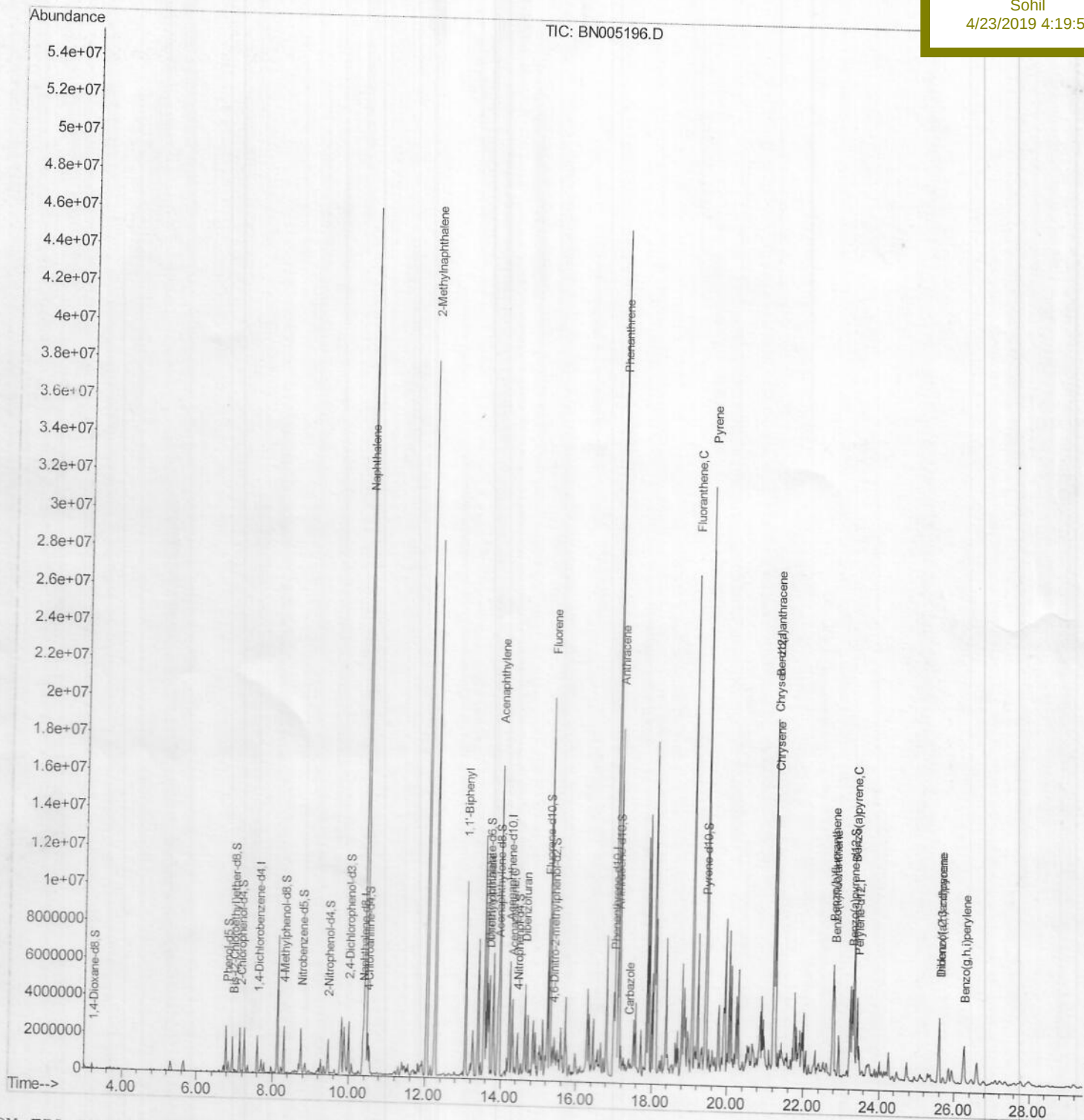
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005196.D
Acq On : 23 Apr 2019 04:29
Operator : JU/SJ
Sample : K2402-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:09:36 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 :
GAHH7

Manual Integrations
APPROVED

Sohil
4/23/2019 4:19:52 PM



Quantitation Report (Qedit)

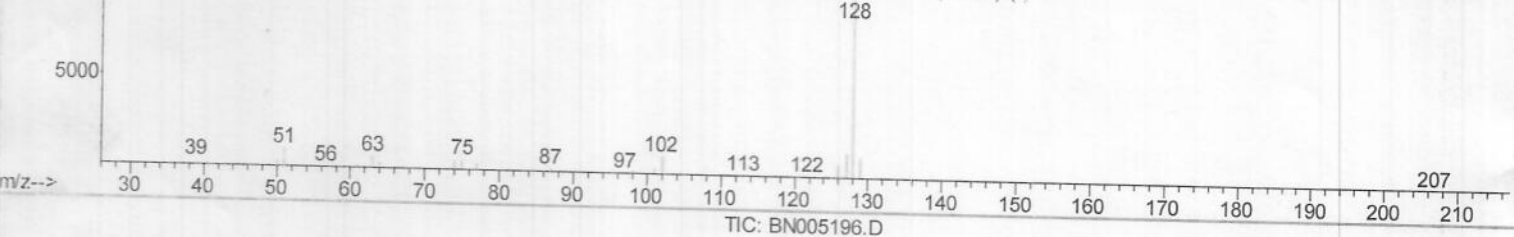
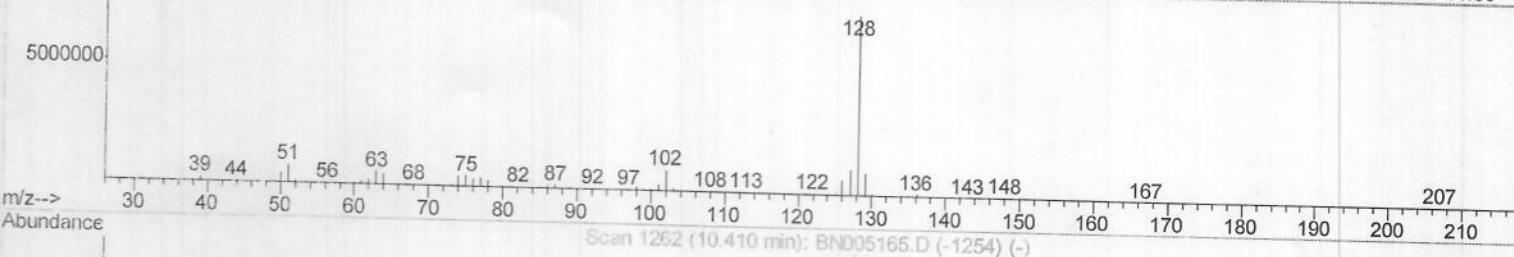
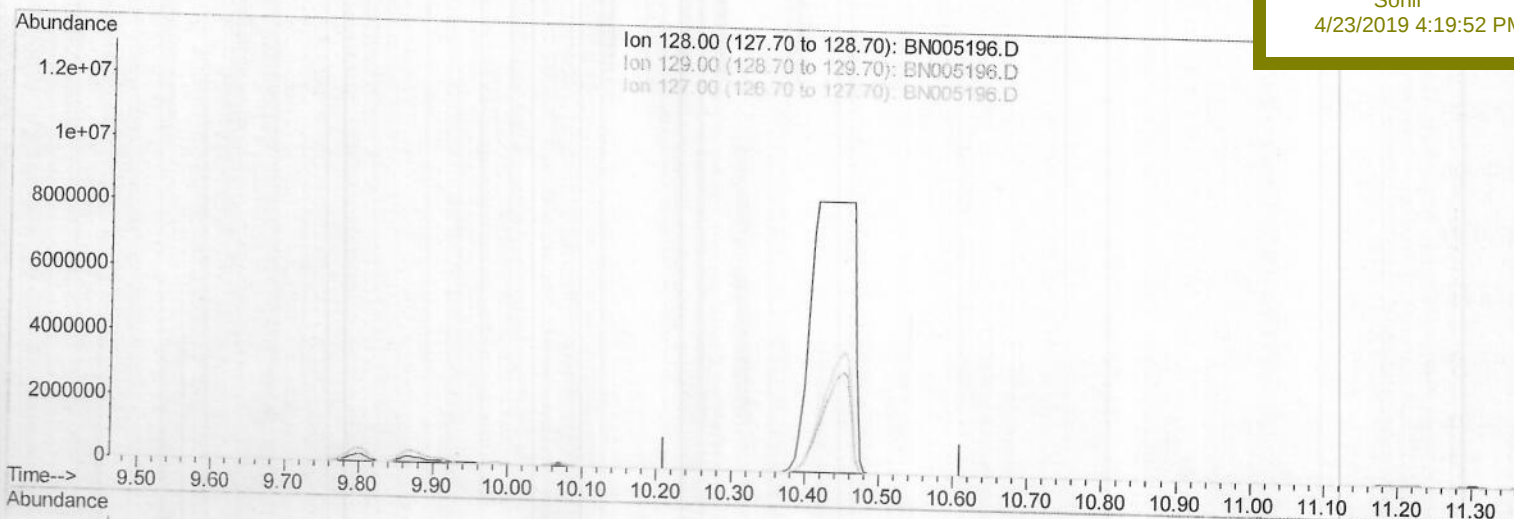
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005196.D
 Acq On : 23 Apr 2019 04:29
 Operator : JU/SJ
 Sample : K2402-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :
 GAHH7

Manual Integrations
 APPROVED

Sohil
 4/23/2019 4:19:52 PM



(28) Naphthalene

10.410min (-10.410) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

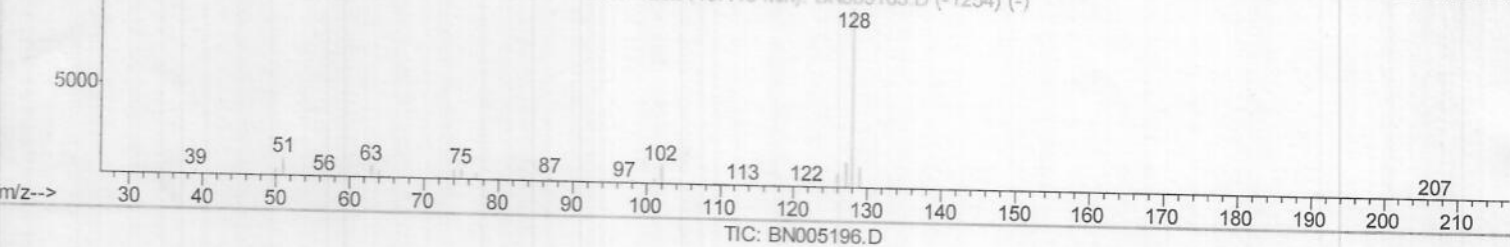
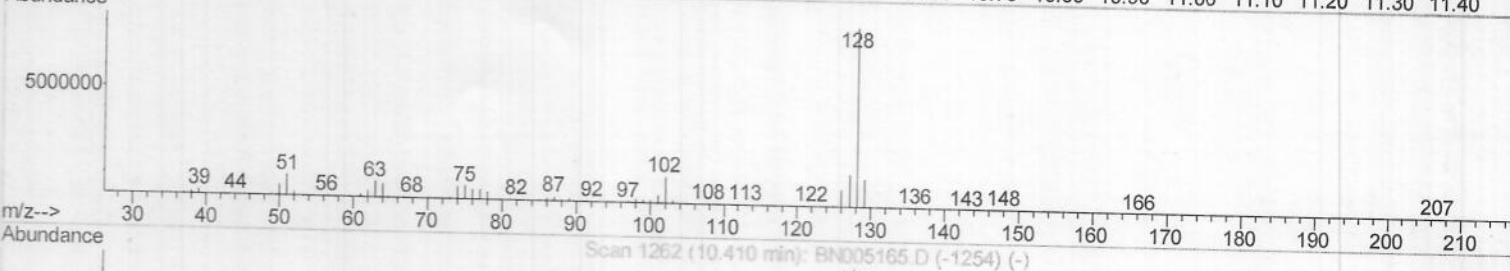
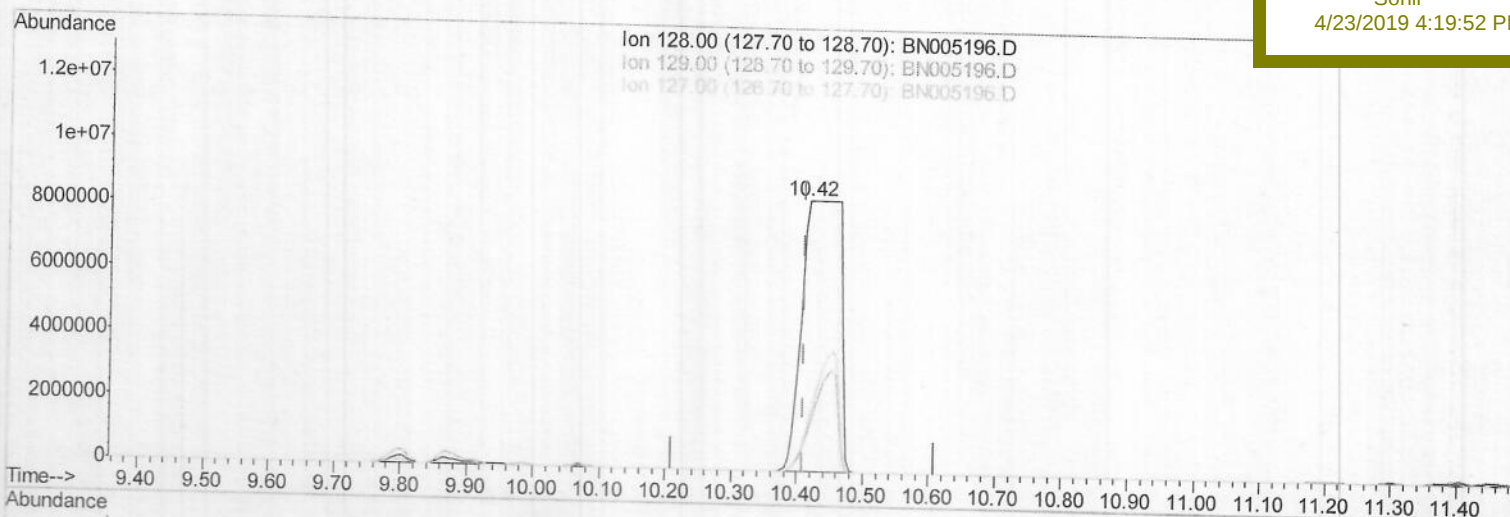
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005196.D
 Acq On : 23 Apr 2019 04:29
 Operator : JU/SJ
 Sample : K2402-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :
 GAHH7

Manual Integrations
 APPROVED

Sohil
 4/23/2019 4:19:52 PM



(28) Naphthalene

10.416min (+0.006) 283.89ng/ul m

response 33913296

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	15.44#
127.00	13.40	17.82#
0.00	0.00	0.00

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 04/23/19

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005196.D

Acq On : 23 Apr 2019 04:29

Operator : JU/SJ

Sample : K2402-05

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :

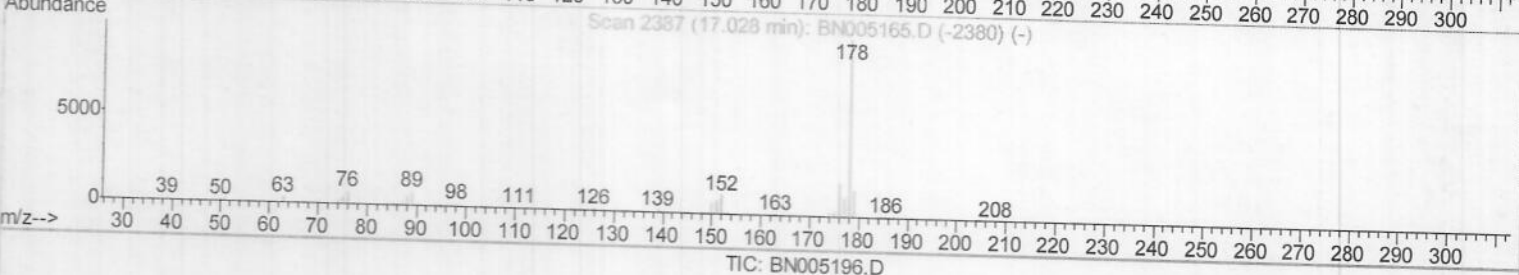
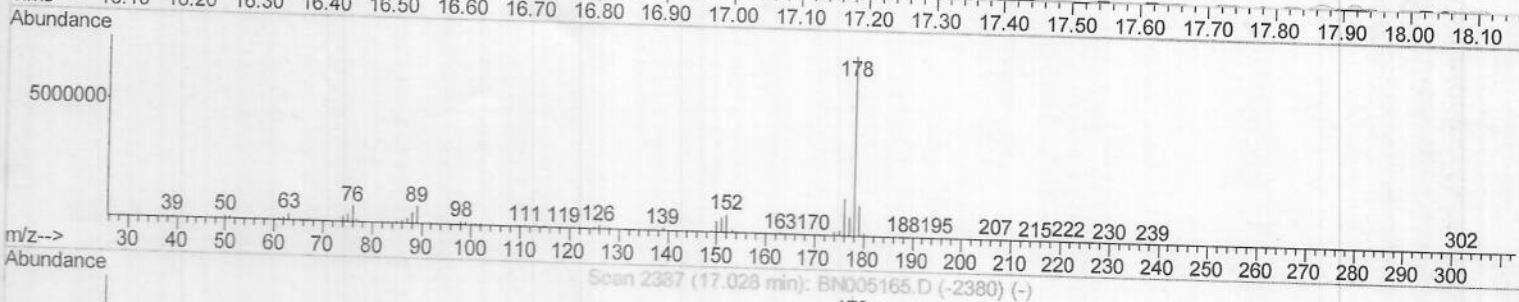
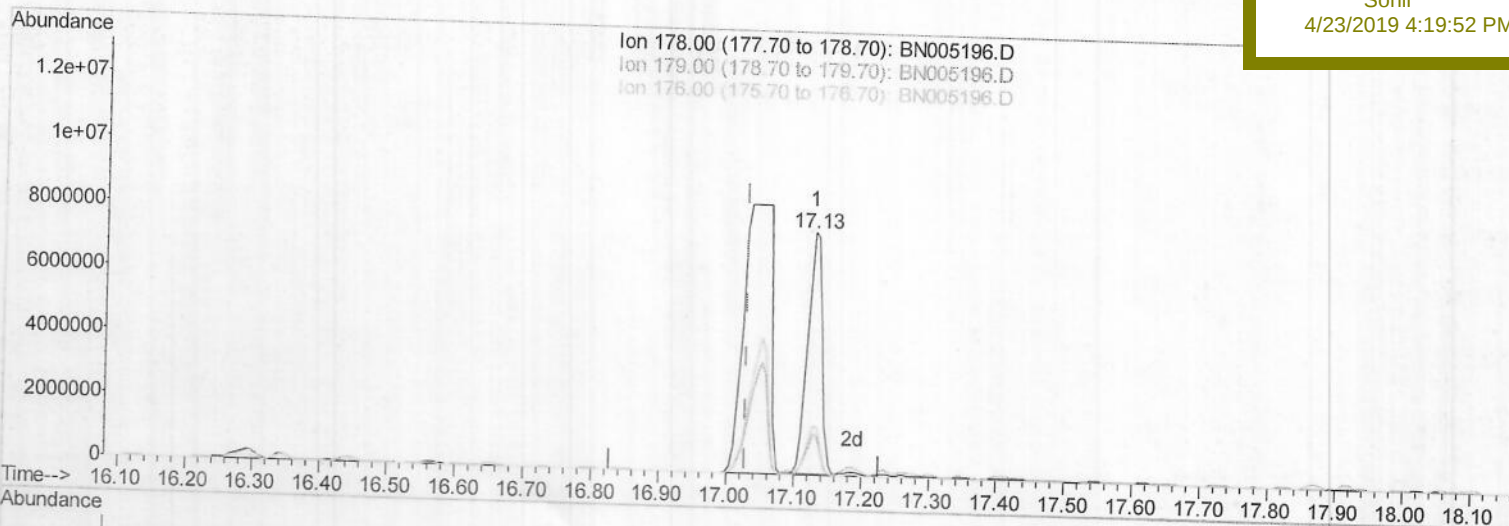
GAHH7

Manual Integrations

APPROVED

Sohil

4/23/2019 4:19:52 PM



(69) Phenanthrene

17.127min (+0.100) 70.92ng/ul

response 11226258

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.65
176.00	18.90	20.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005196.D
 Acq On : 23 Apr 2019 04:29
 Operator : JU/SJ
 Sample : K2402-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :

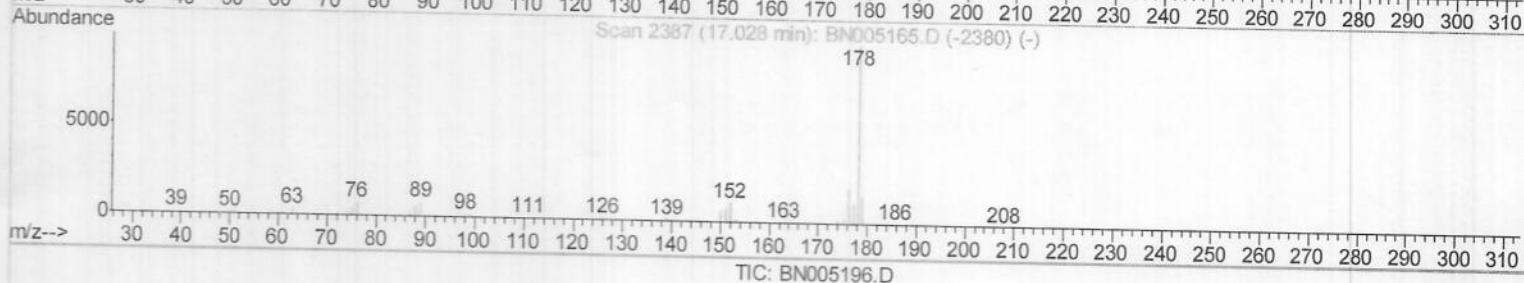
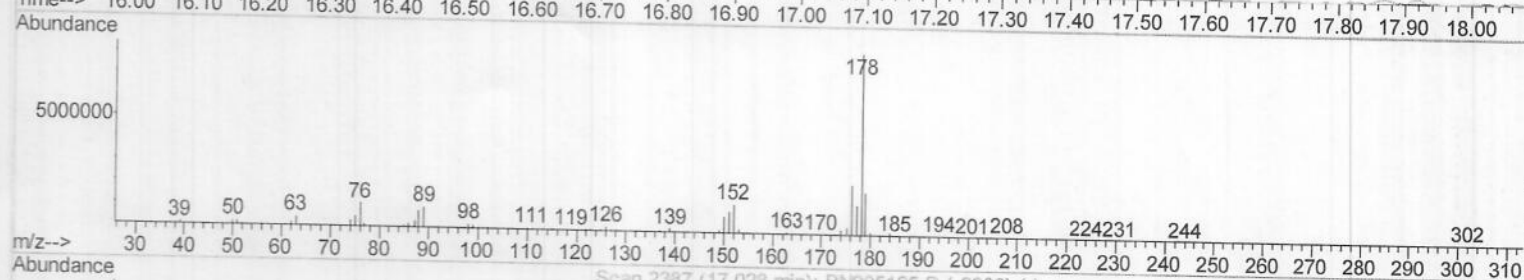
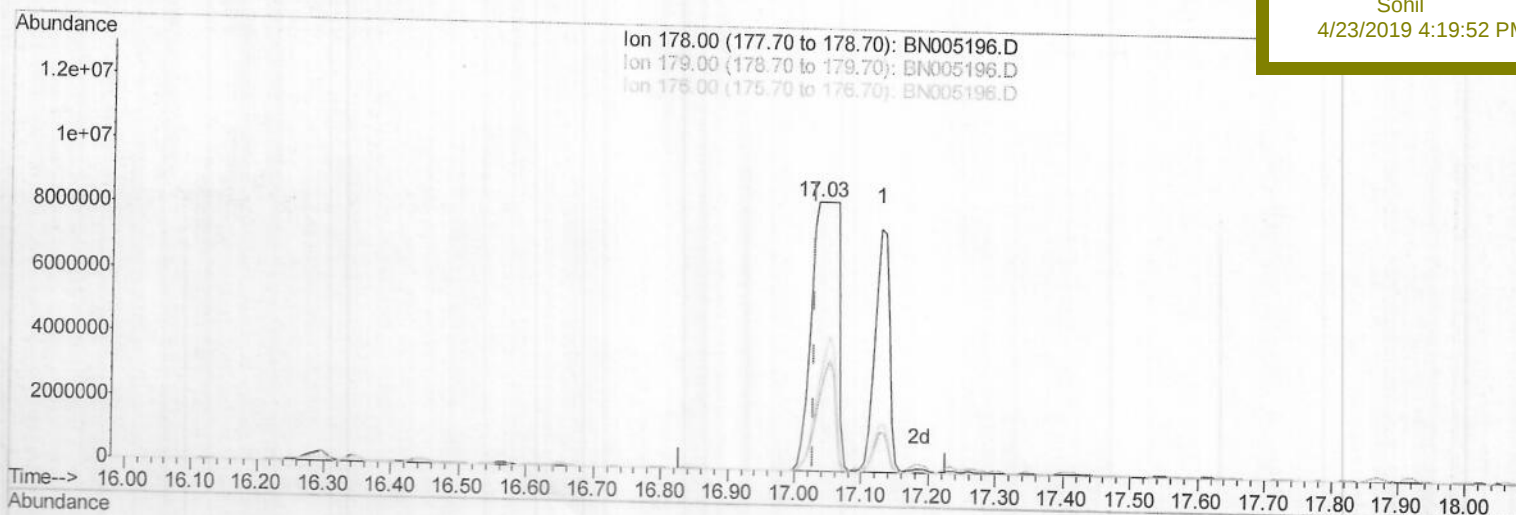
GAHH7

Manual Integrations

APPROVED

Sohil

4/23/2019 4:19:52 PM



(69) Phenanthrene

17.033min (+0.006) 150.73ng/ul m

response 23860340

Ion Exp% Act%

178.00 100 100

179.00 15.30 23.18#

176.00 18.90 27.67#

0.00 0.00 0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\

Data File : BN005196.D

Acq On : 23 Apr 2019 04:29

Operator : JU/SJ

Sample : K2402-05

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :

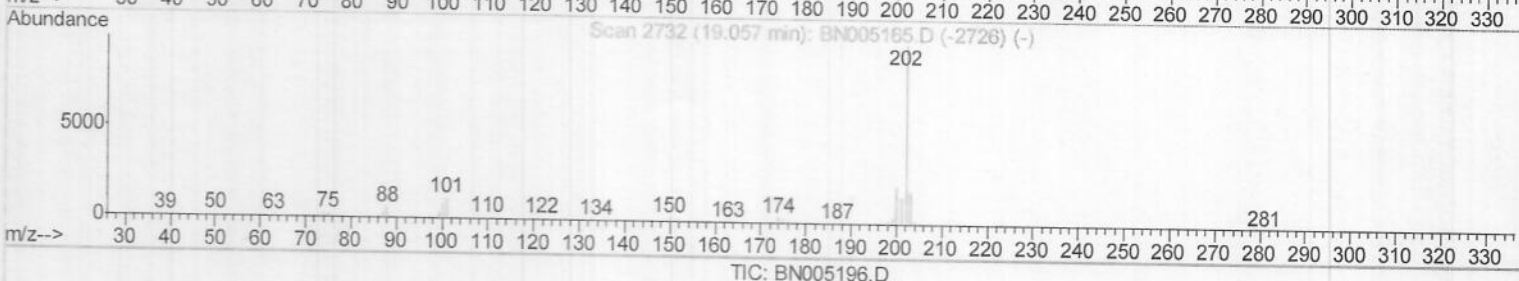
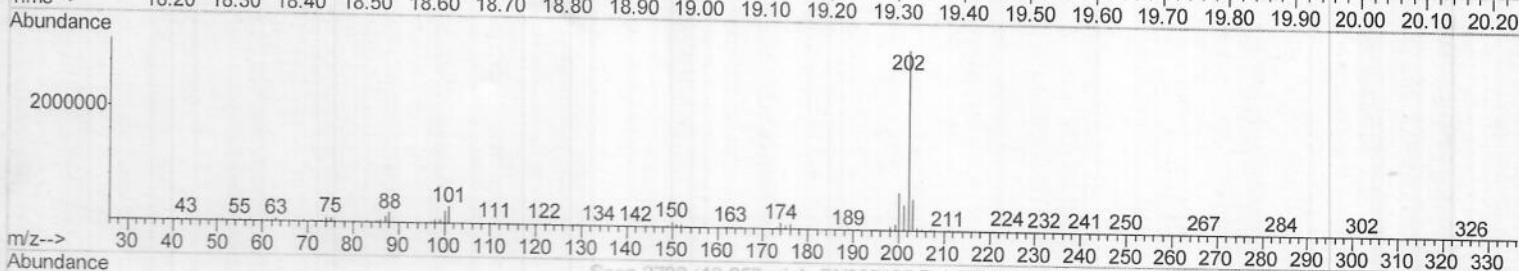
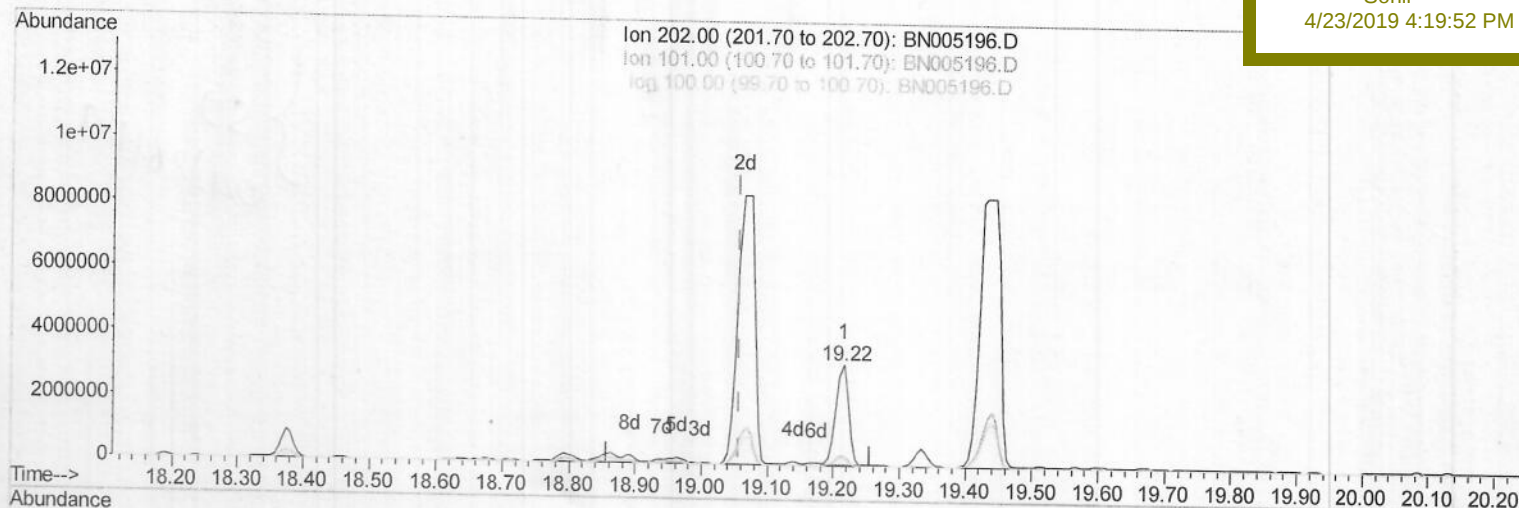
GAHH7

Manual Integrations

APPROVED

Sohil

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(76) Fluoranthene (C)

19.215min (+0.158) 23.51ng/ul

response 4127773

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	9.32
100.00	7.90	7.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\

Data File : BN005196.D

Acq On : 23 Apr 2019 04:29

Operator : JU/SJ

Sample : K2402-05

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :

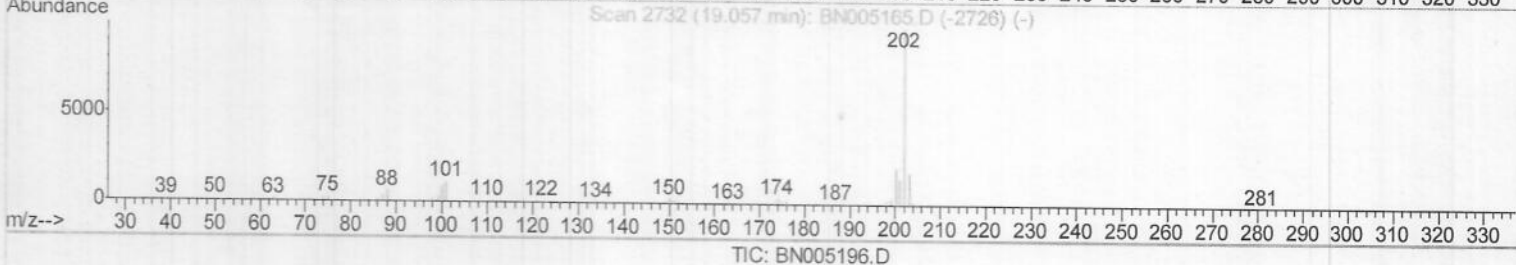
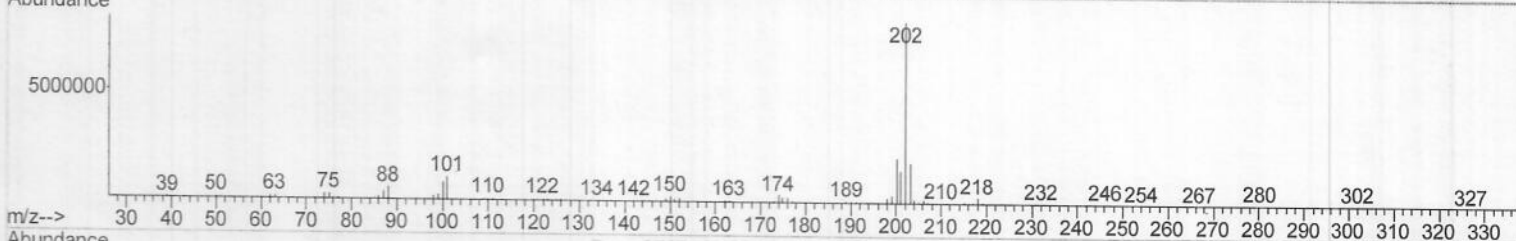
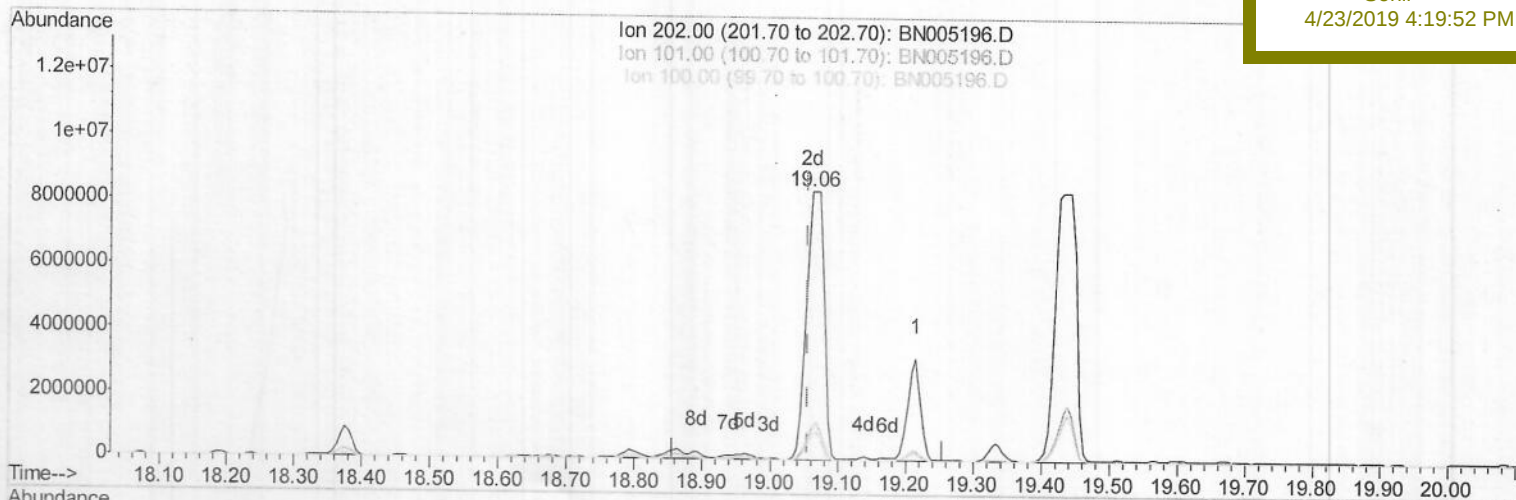
GAHH7

Manual Integrations

APPROVED

Sohil

4/23/2019 4:19:52 PM



(76) Fluoranthene (C)

19.062min (+0.006) 85.95ng/ul m

response 15092323

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	12.64
100.00	7.90	9.51#
0.00	0.00	0.00

SJ
08/123/19

Quantitation Report (Qedit)

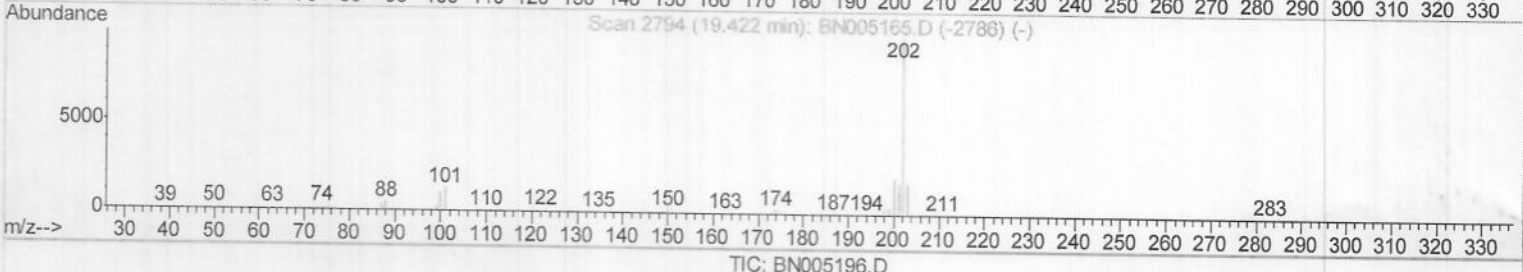
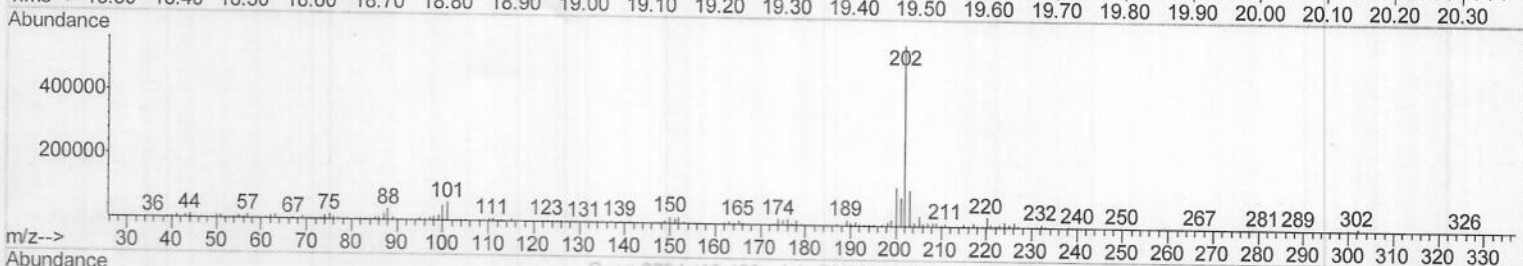
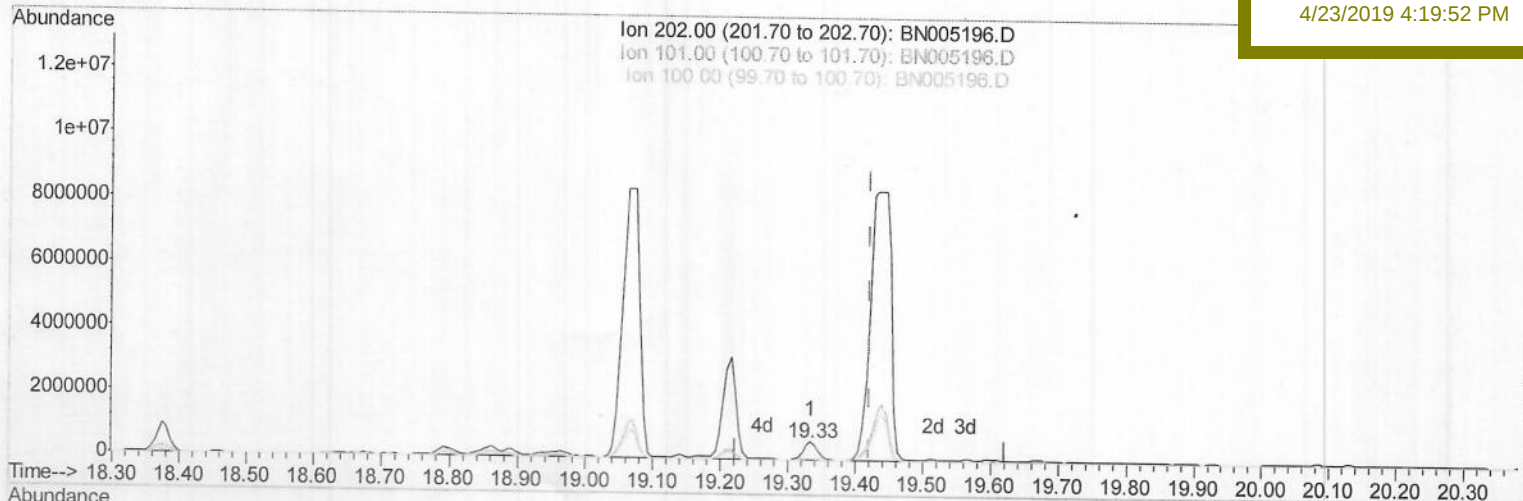
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005196.D
 Acq On : 23 Apr 2019 04:29
 Operator : JU/SJ
 Sample : K2402-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :
 GAHH7

Manual Integrations
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Sohil
 4/23/2019 4:19:52 PM



(79) Pyrene

19.333min (-0.089) 4.63ng/ul

response 764094

Ion	Exp%	Act%
202.00	100	100
101.00	12.90	10.23#
100.00	9.90	8.21
0.00	0.00	0.00

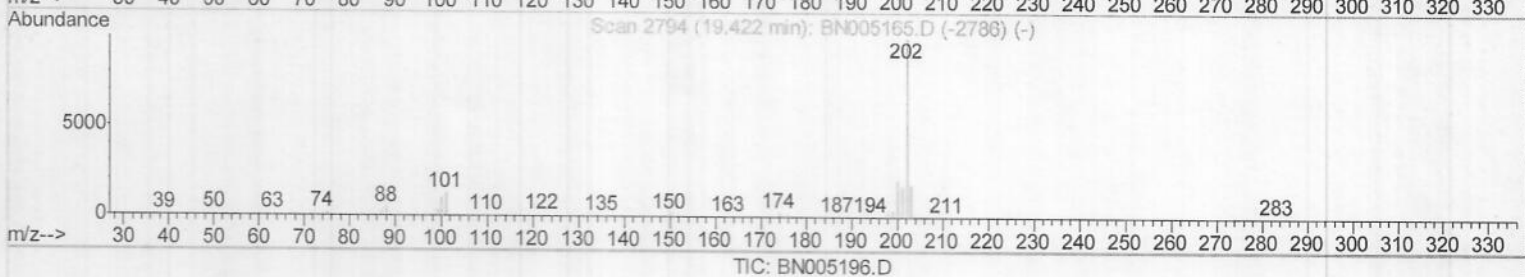
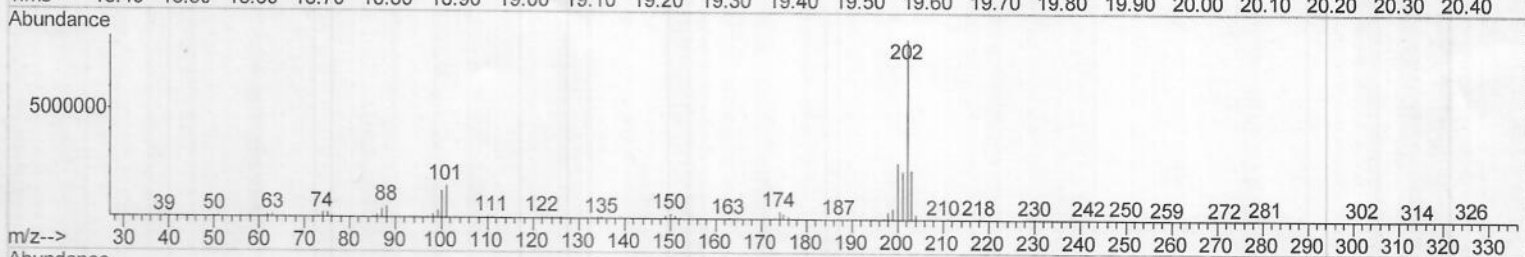
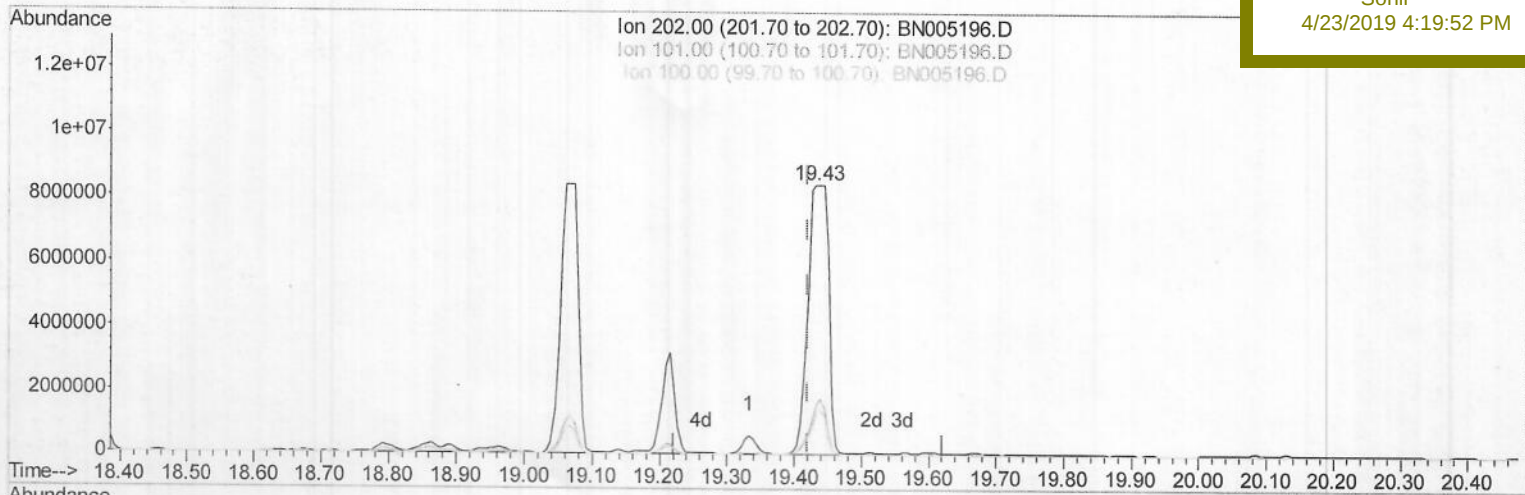
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005196.D
Acq On : 23 Apr 2019 04:29
Operator : JU/SJ
Sample : K2402-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :
GAHH7

Manual Integrations
APPROVED

Sohil
4/23/2019 4:19:52 PM



(79) Pyrene

19.433min (+0.011) 108.50ng/ul m

response 17886755

Ion	Exp%	Act%
202.00	100	100
101.00	12.90	18.16#
100.00	9.90	14.96#
0.00	0.00	0.00

SJ
04/23/19

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\

Data File : BN005196.D

Acq On : 23 Apr 2019 04:29

Operator : JU/SJ

Sample : K2402-05

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :

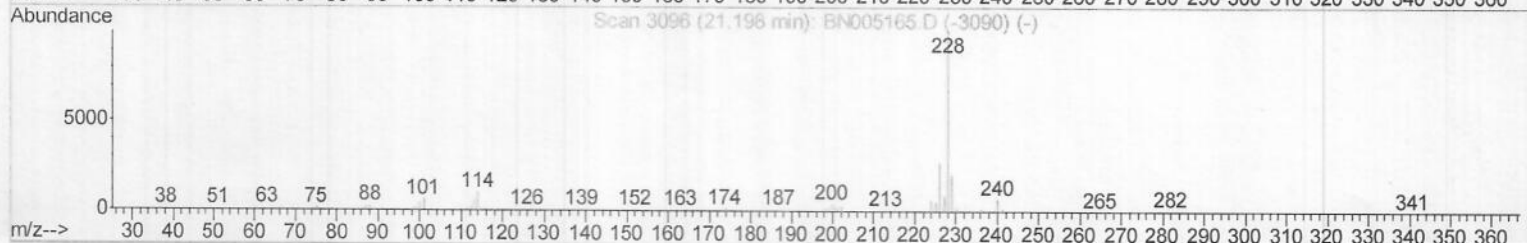
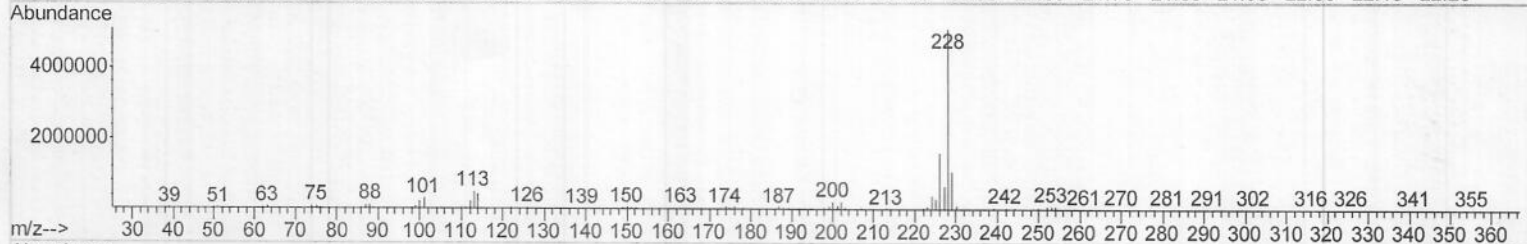
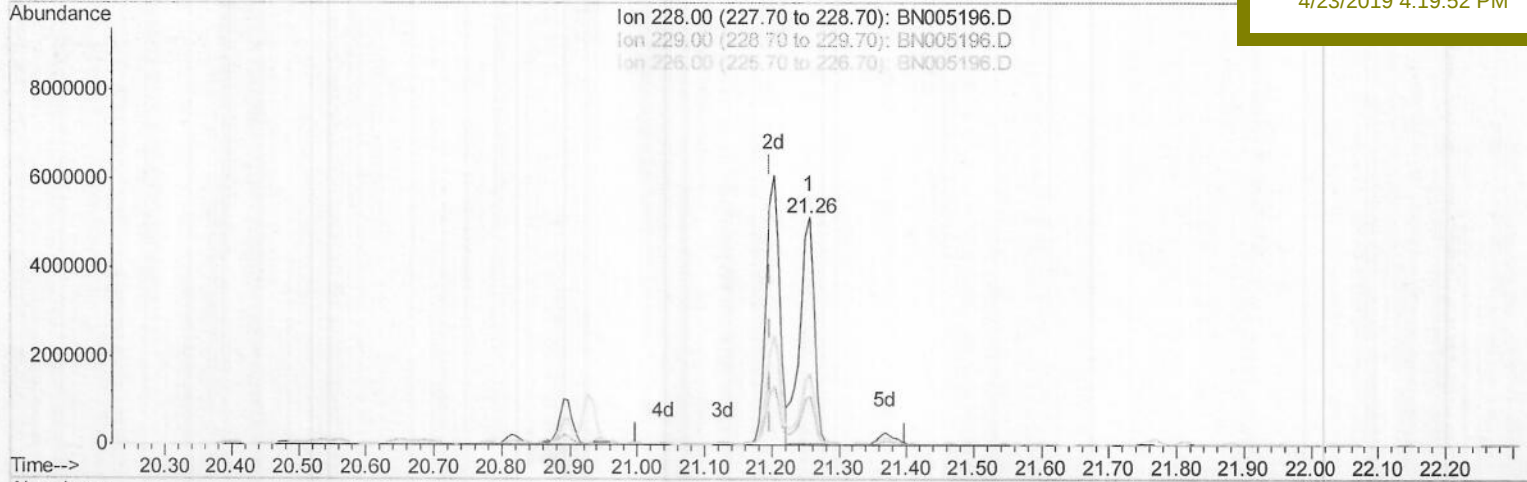
GAHH7

Manual Integrations

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TIC: BN005196.D

(82) Benzo(a)anthracene

21.256min (+0.058) 47.80ng/ul

response 7613610

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	21.39
226.00	26.80	31.25
0.00	0.00	0.00

Quantitation Report (Qedit)

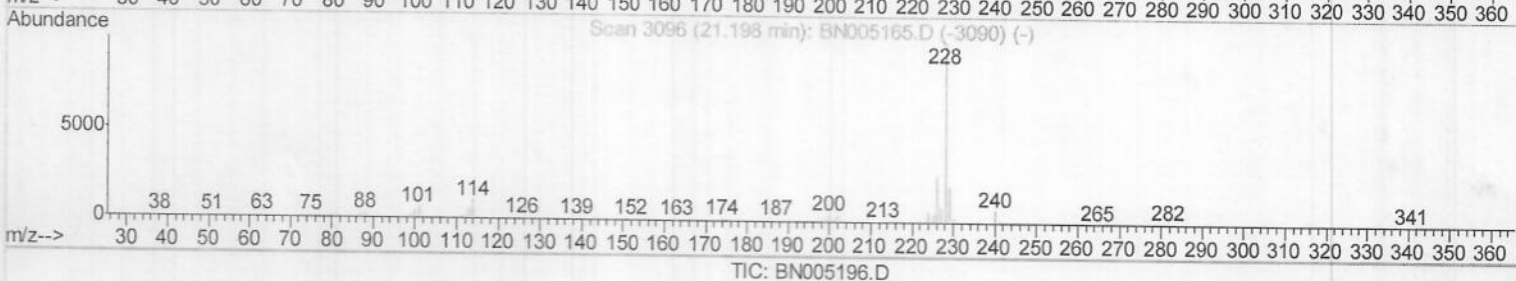
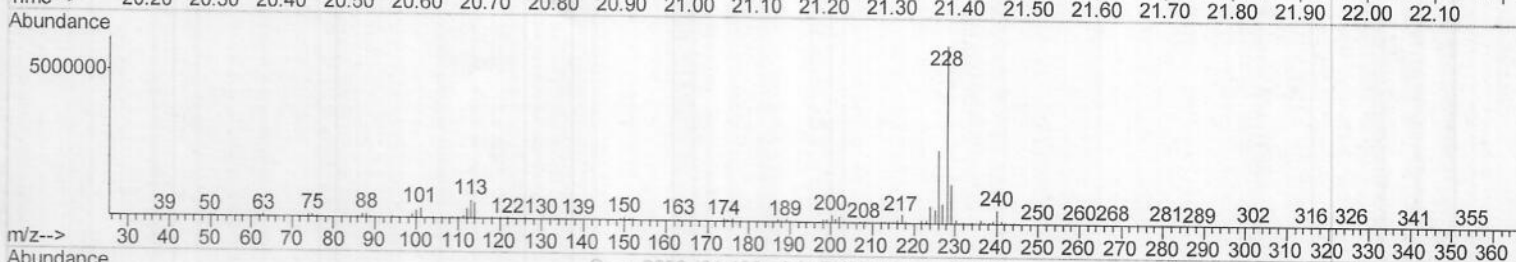
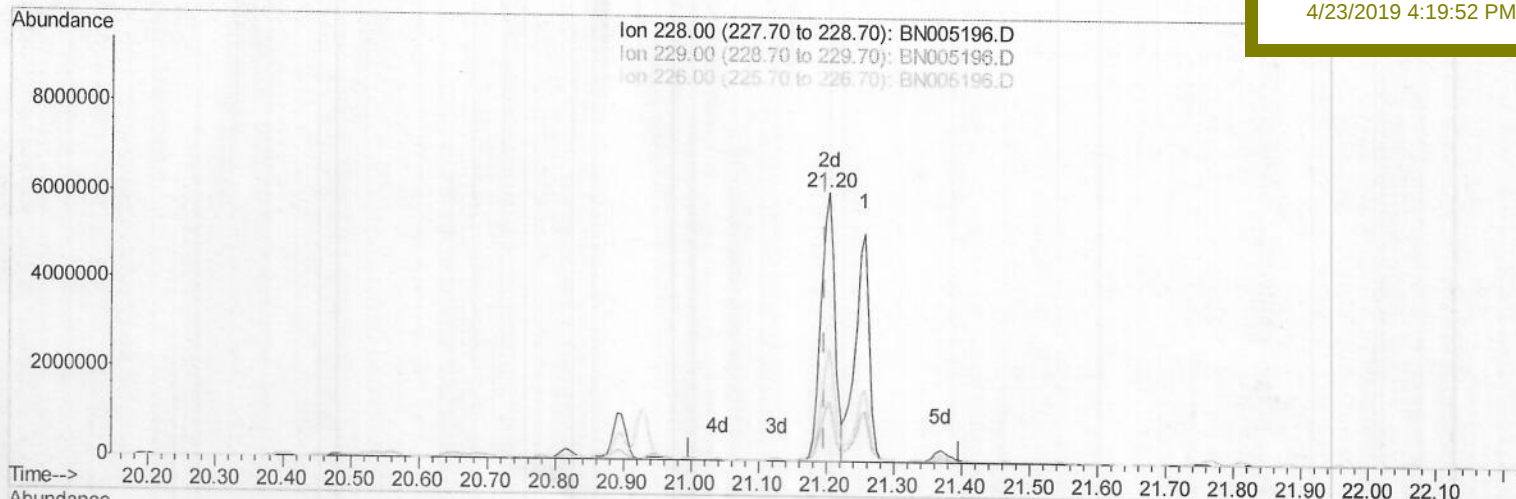
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005196.D
 Acq On : 23 Apr 2019 04:29
 Operator : JU/SJ
 Sample : K2402-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :
 GAHH7

Manual Integrations
 APPROVED

Sohil
 4/23/2019 4:19:52 PM



(82) Benzo(a)anthracene

21.204min (+0.006) 54.20ng/ul m

response 8633913

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	21.64
226.00	26.80	40.84#
0.00	0.00	0.00

SJ
 04/23/19

Quantitation Report (Qedit)

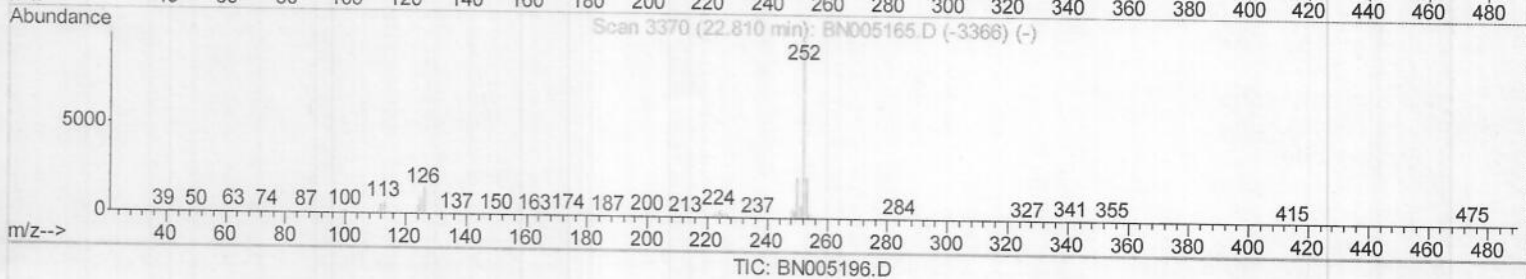
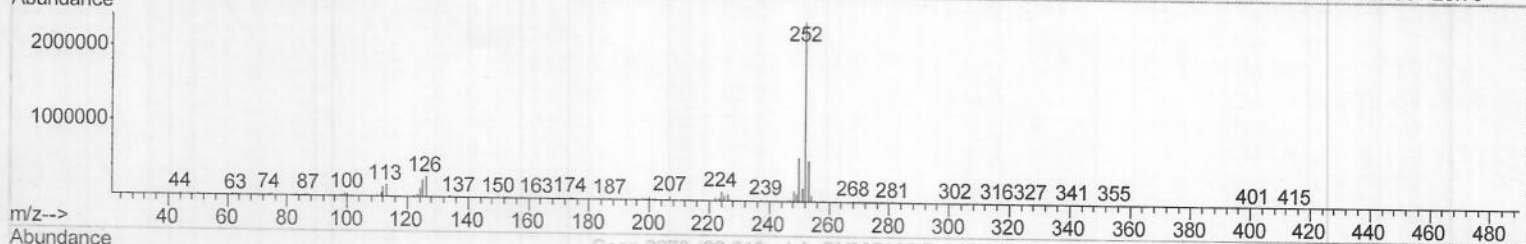
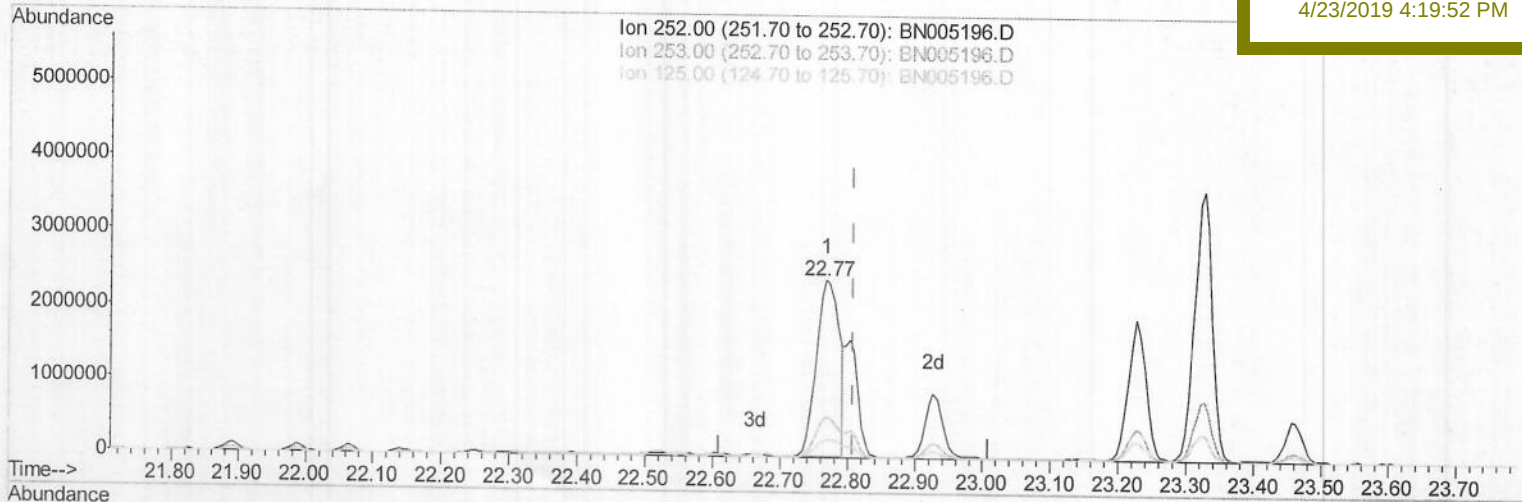
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005196.D
 Acq On : 23 Apr 2019 04:29
 Operator : JU/SJ
 Sample : K2402-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :
 GAHH7

Manual Integrations
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Sohil
 4/23/2019 4:19:52 PM



(88) Benzo(k)fluoranthene

22.768min (-0.042) 35.86ng/ul

response 5644447

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.58
125.00	9.40	9.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\

Data File : BN005196.D

Acq On : 23 Apr 2019 04:29

Operator : JU/SJ

Sample : K2402-05

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :

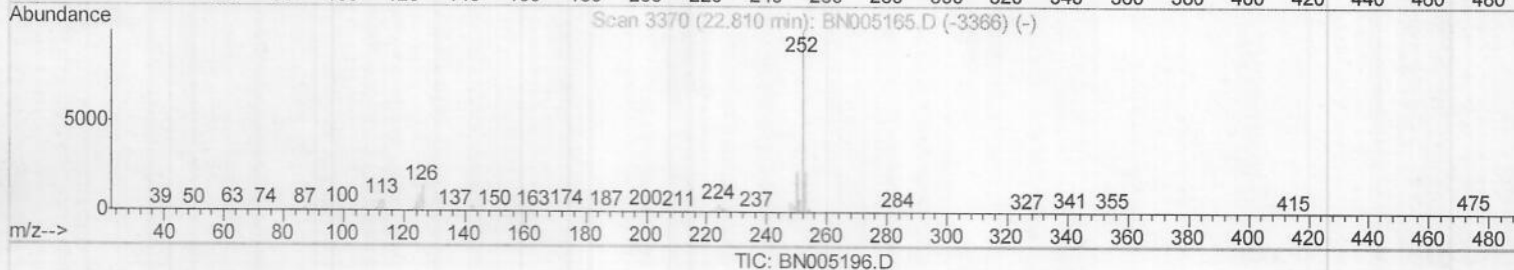
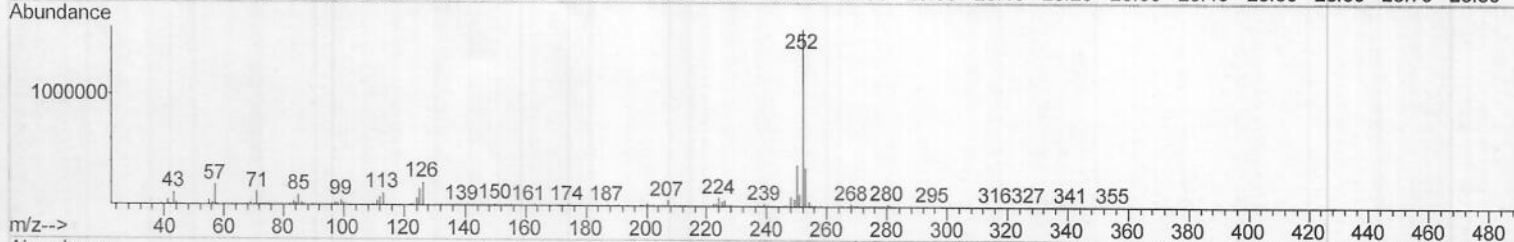
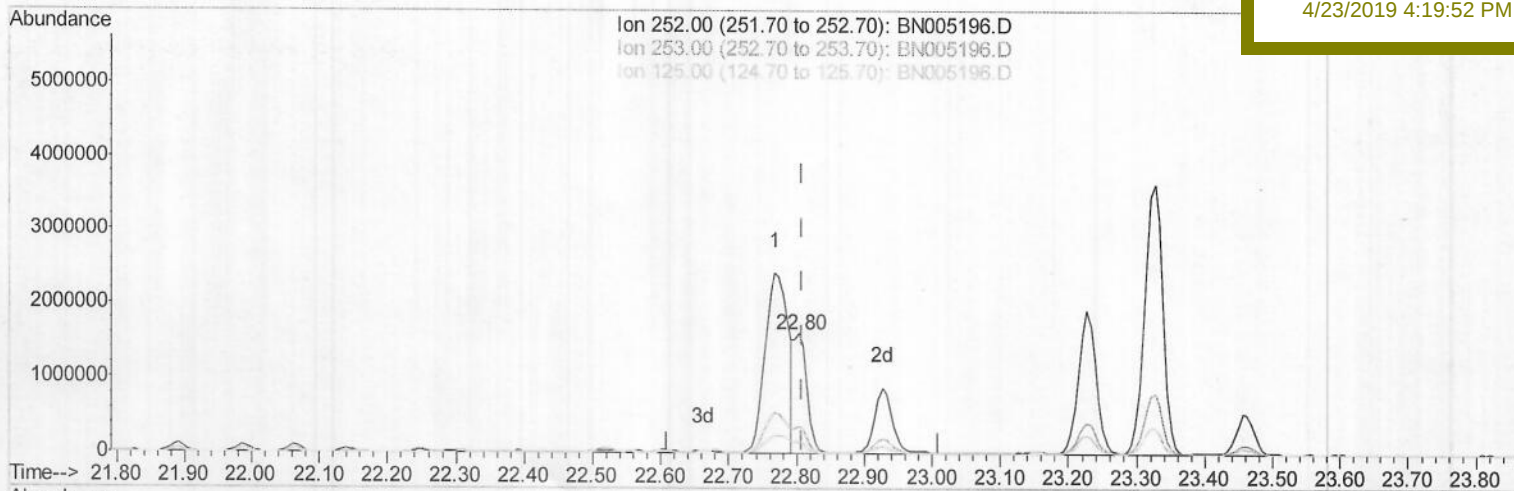
GAHH7

Manual Integrations

APPROVED

Sohil

4/23/2019 4:19:52 PM



(88) Benzo(k)fluoranthene

22.803min (-0.006) 13.91ng/ul m

response 2189170

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.28
125.00	9.40	9.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\

Data File : BN005196.D

Acq On : 23 Apr 2019 04:29

Operator : JU/SJ

Sample : K2402-05

Misc :

ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:04:27 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 :

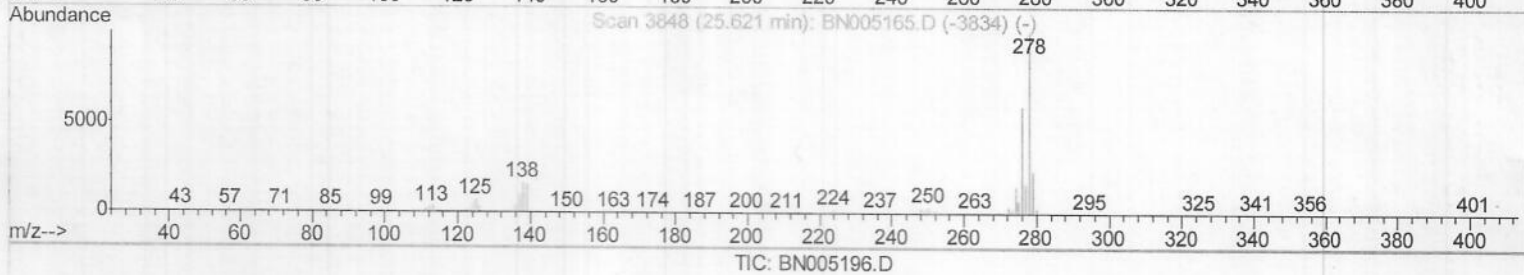
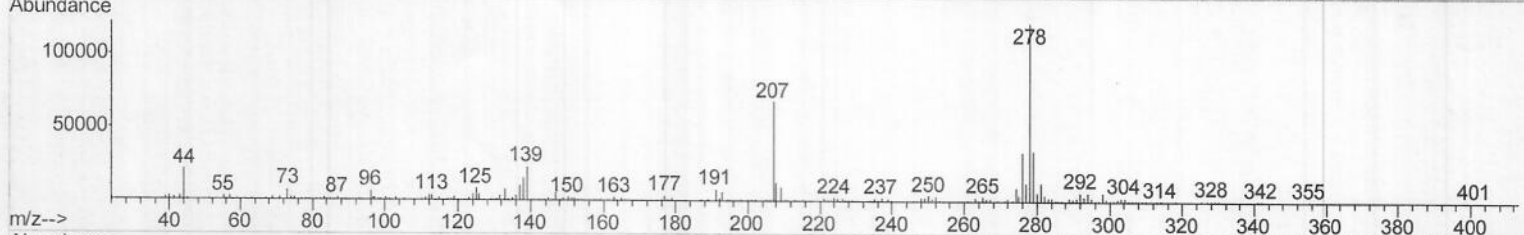
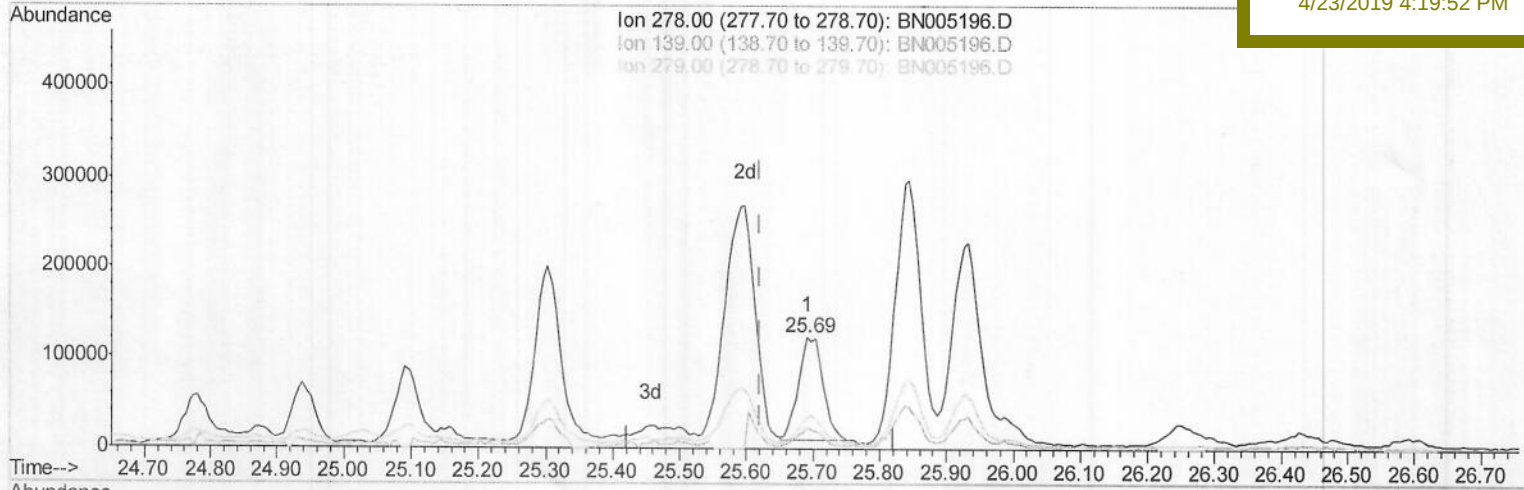
GAHH7

Manual Integrations

APPROVED

Sohil

4/23/2019 4:19:52 PM



(92) Dibenzo(a,h)anthracene

25.692min (+0.070) 1.98ng/ul

response 287825

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	18.79
279.00	24.20	28.07
0.00	0.00	0.00

Quantitation Report (Qedit)

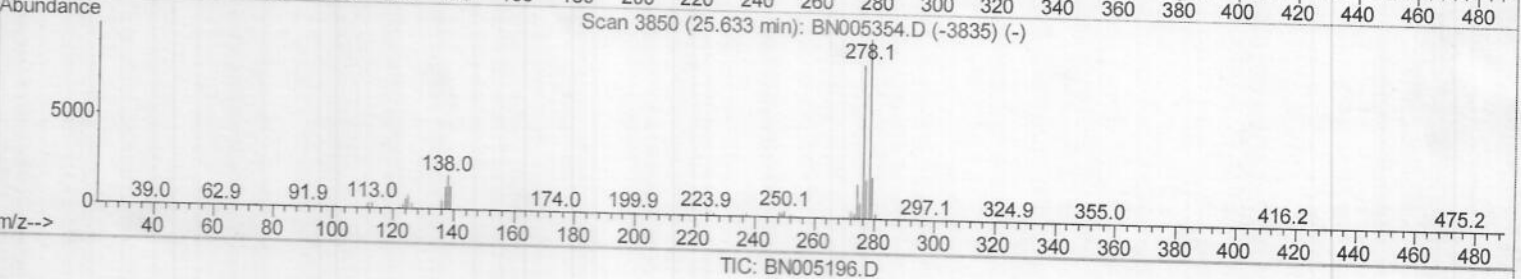
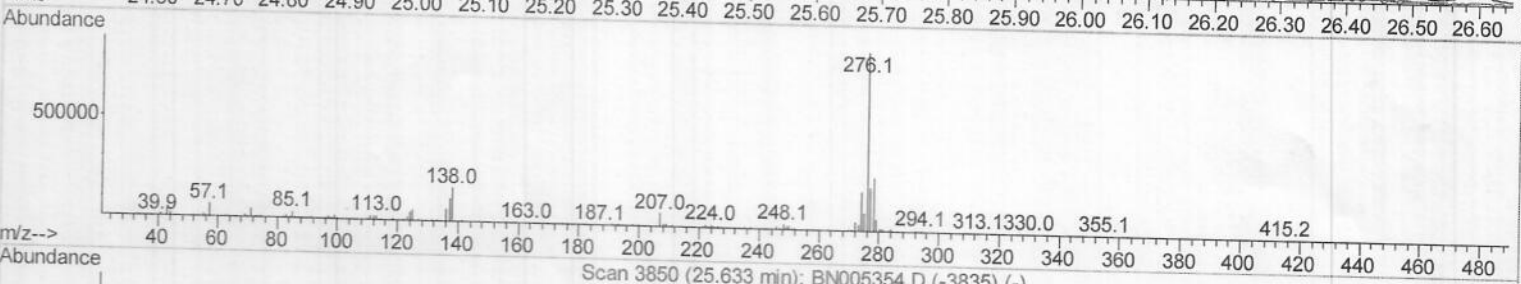
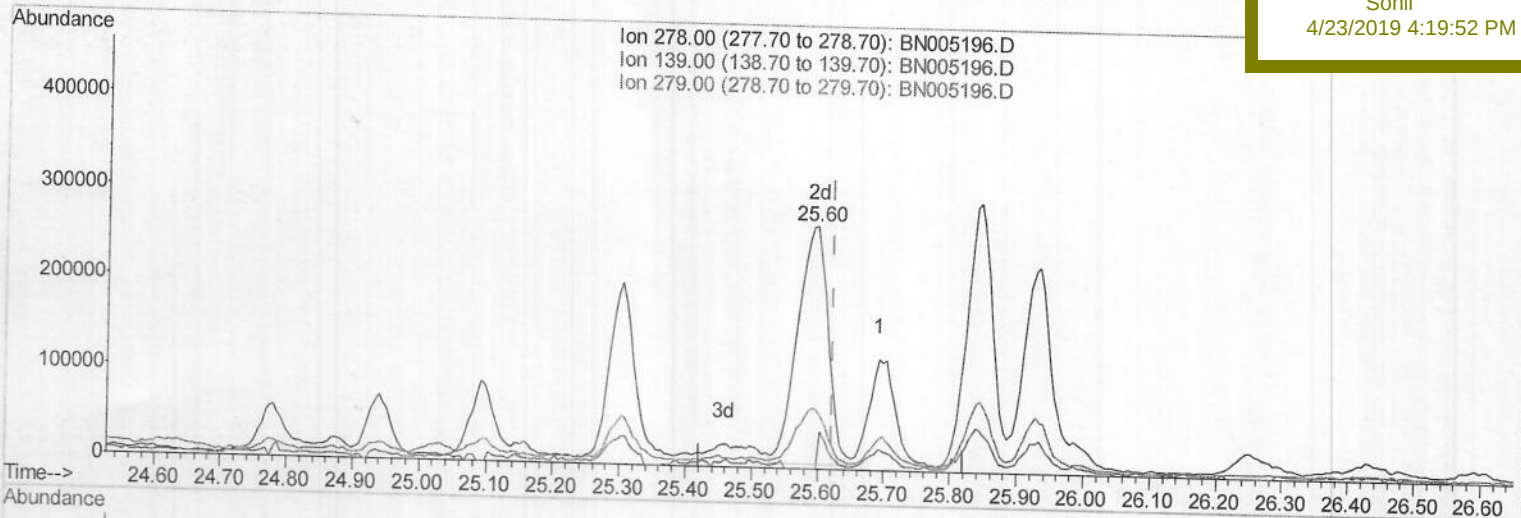
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042219\
 Data File : BN005196.D
 Acq On : 23 Apr 2019 04:29
 Operator : JU/SJ
 Sample : K2402-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 23 05:09:36 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 :
 GAHH7

Manual Integrations
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 4/23/2019 4:19:52 PM



(92) Dibenzo(a,h)anthracene

25.597min (-0.024) 5.74ng/ul m

response 835048

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	0.00#
279.00	24.20	23.69
0.00	0.00	0.00

SJ
 04/23/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	484710	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	2569685	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1606496	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	3250407	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2560408	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2932289	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	103284	10.29	ng/uL	0.00
5) Phenol-d5	6.77	99	1218250	32.00	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.95	67	784268	33.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	981495	33.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	864250	29.04	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	493808	31.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	535054	33.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	961539	26.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	1043951	27.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2952011	25.31	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	3570214	24.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	391468	21.26	ng/ul	0.00
57) Fluorene-d10	15.23	176	2367927	24.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	278319	19.04	ng/ul	0.01
70) Anthracene-d10	17.09	188	3363082	24.68	ng/ul	0.00
78) Pyrene-d10	19.40	212	3462495	26.44	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	3261175	25.45	ng/ul	0.00

Target Compounds

				Qvalue	
28) Naphthalene	10.42	128	33913296m	283.887 ng/ul	
34) 2-Methylnaphthalene	12.05	142	20029221	228.983 ng/ul	89
40) 1,1'-Biphenyl	13.06	154	5258508	43.931 ng/ul	100
44) Dimethylphthalate	13.70	163	867939	7.469 ng/ul	100
47) Acenaphthylene	13.96	152	9268064	65.842 ng/ul#	96
49) Acenaphthene	14.30	153	1657935	17.253 ng/ul	98
53) Dibenzofuran	14.63	168	1742018	12.591 ng/ul	95
58) Fluorene	15.30	166	9873607	91.455 ng/ul	97
69) Phenanthrene	17.03	178	23860340m	150.729 ng/ul	
71) Anthracene	17.13	178	11209153	69.510 ng/ul	97
74) Carbazole	17.39	167	398636	2.878 ng/ul	97
76) Fluoranthene	19.06	202	15092323m	85.955 ng/ul	
79) Pyrene	19.43	202	17886755m	108.499 ng/ul	
82) Benzo(a)anthracene	21.20	228	8633913m	54.205 ng/ul	
84) Chrysene	21.26	228	7612004	51.492 ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	5644447	34.244 ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	2189170m	13.906 ng/ul	
90) Benzo(a)pyrene	23.33	252	6639864	42.856 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	2687588	15.690 ng/ul	98
92) Dibenzo(a,h)anthracene	25.60	278	835048m	5.744 ng/ul	
93) Benzo(g,h,i)perylene	26.25	276	2285843	16.139 ng/ul	98

S7
 04/23/19

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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