

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 04:25:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

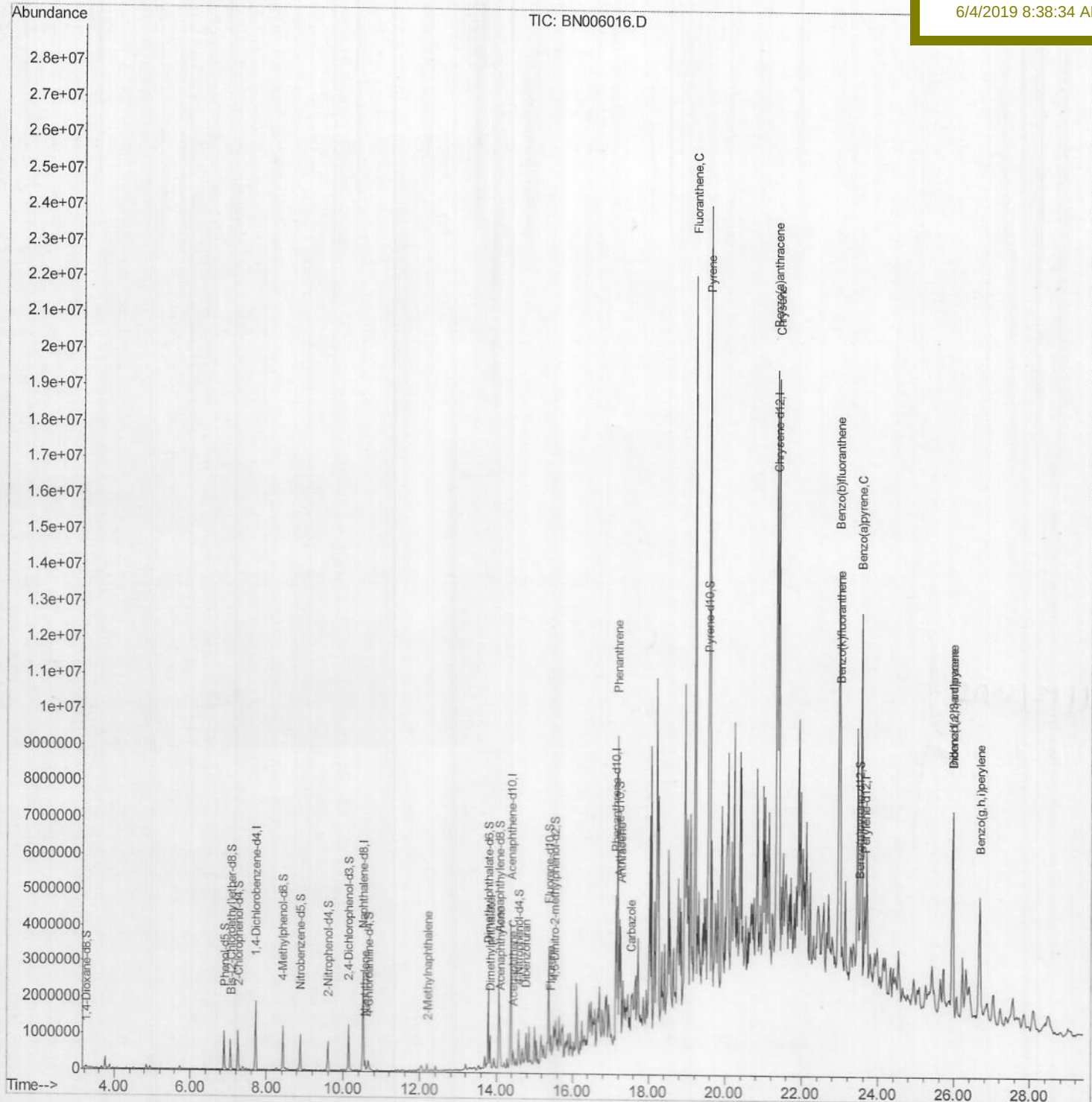
A42C8

Manual Integrations

APPROVED

Sohil

6/4/2019 8:38:34 AM



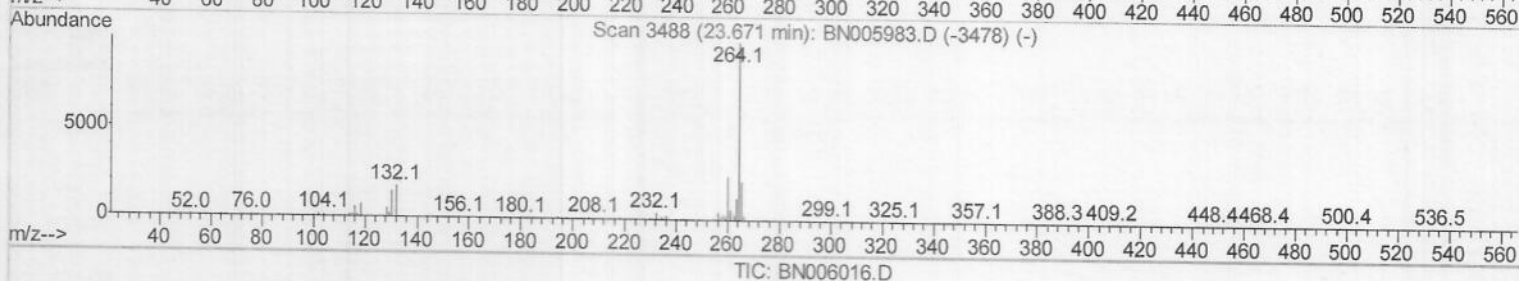
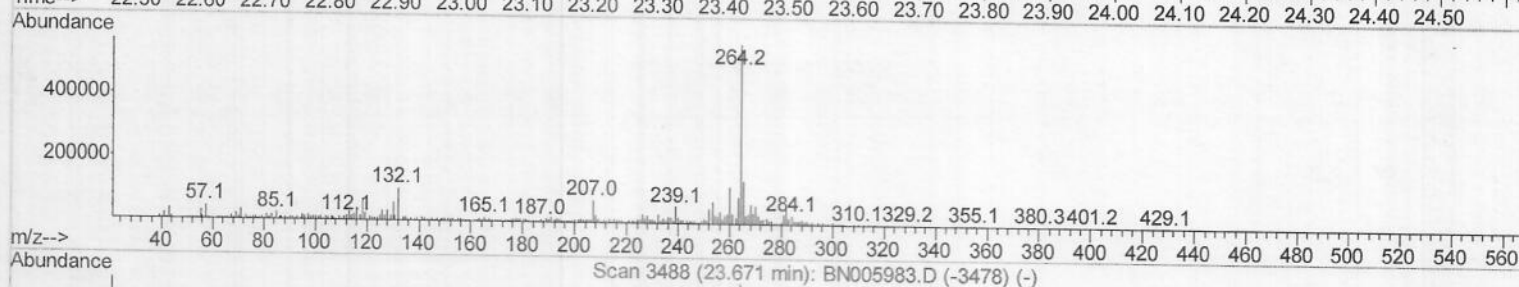
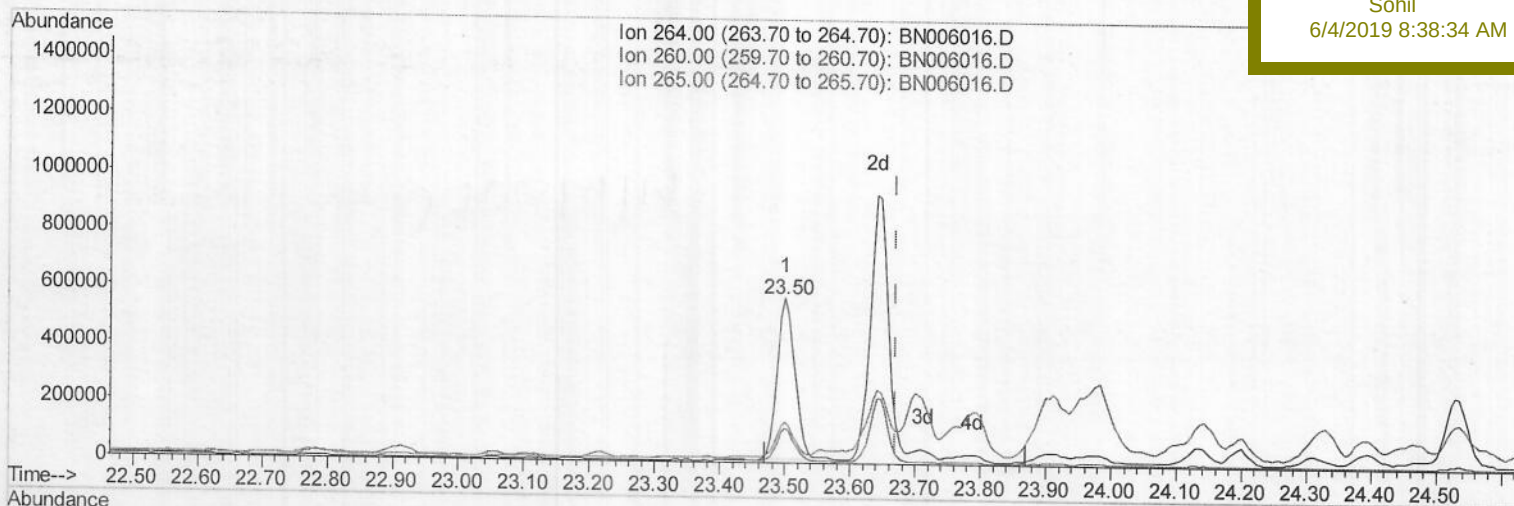
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\
Data File : BN006016.D
Acq On : 02 Jun 2019 05:32
Operator : JU/SJ
Sample : K2928-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 01:07:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampled :
A42C8

Manual Integrations
APPROVED

Sohil
6/4/2019 8:38:34 AM



(85) Perylene-d12 (I)

23.500min (-0.171) 20.00ng/ul

response 1060763

Ion	Exp%	Act%
264.00	100	100
260.00	23.50	20.54
265.00	22.10	24.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 01:07:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

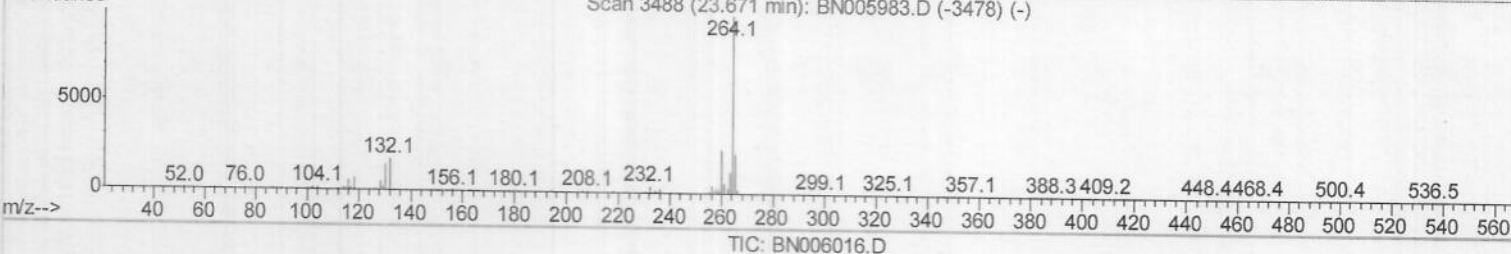
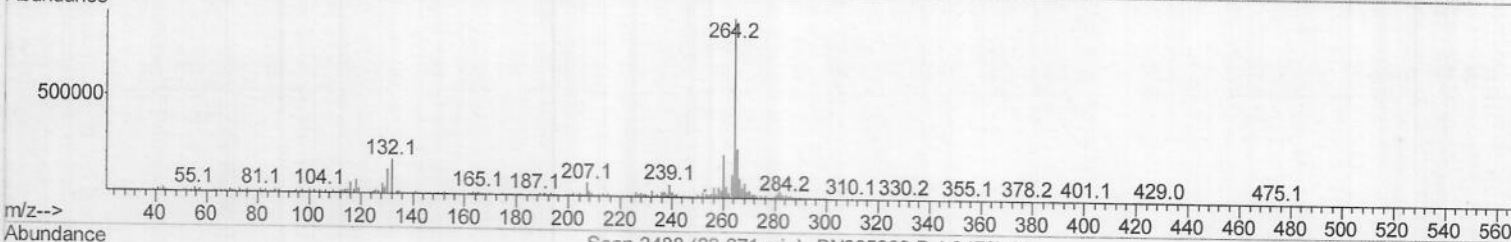
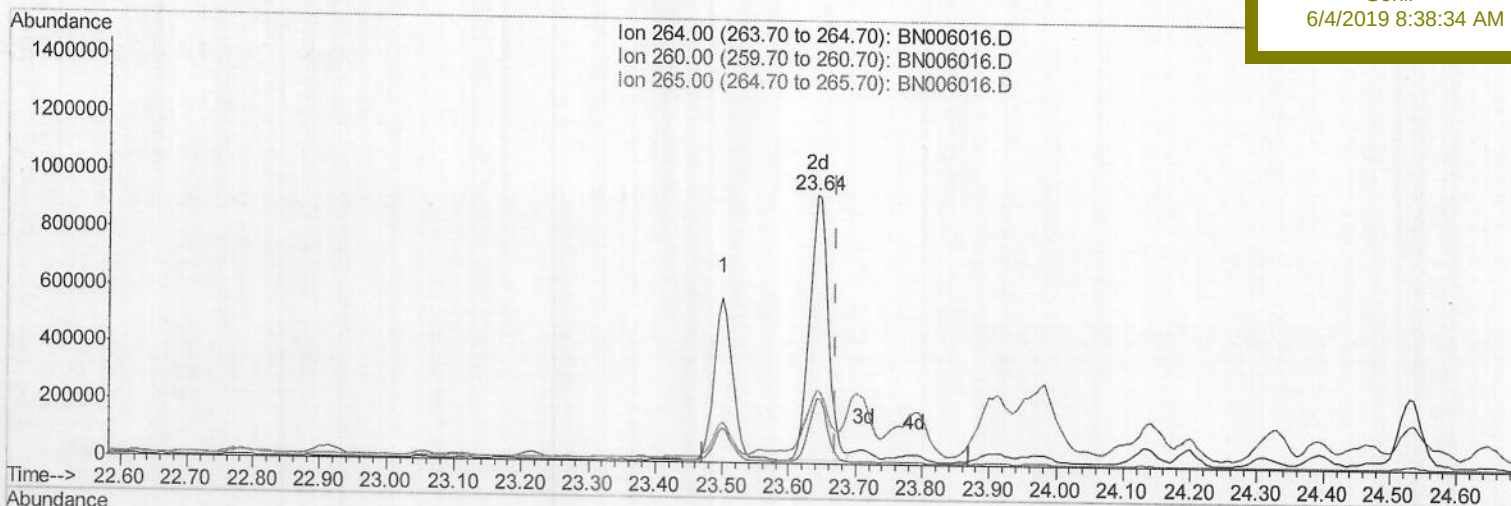
A42C8

Manual Integrations

APPROVED

Sohil

6/4/2019 8:38:34 AM



(85) Perylene-d12 (I)

23.641min (-0.029) 20.00ng/ul m

JU06/05/19

response 1820901

Ion	Exp%	Act%
264.00	100	100
260.00	23.50	23.99
265.00	22.10	27.48#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

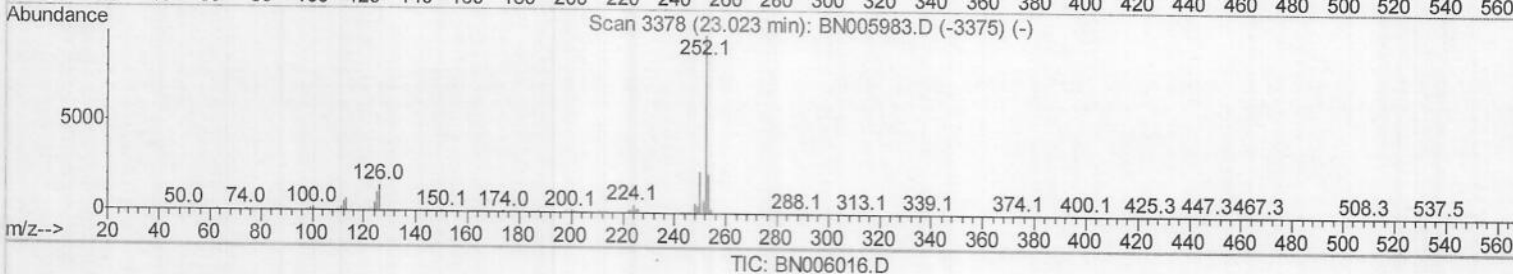
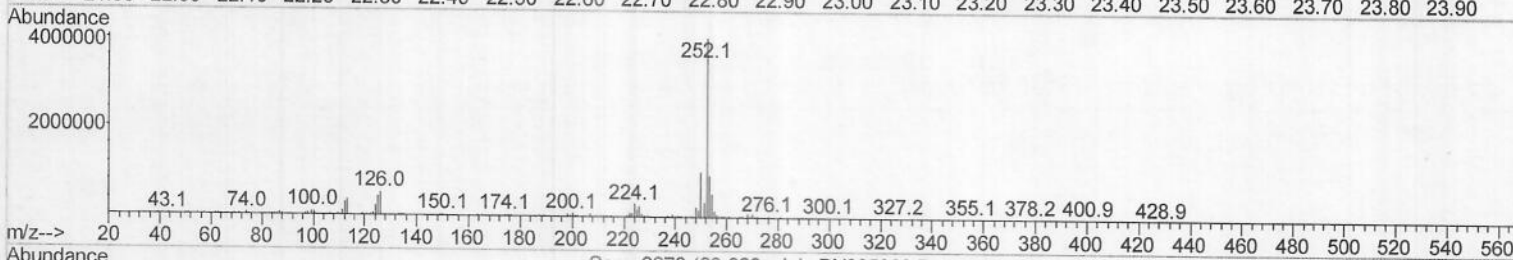
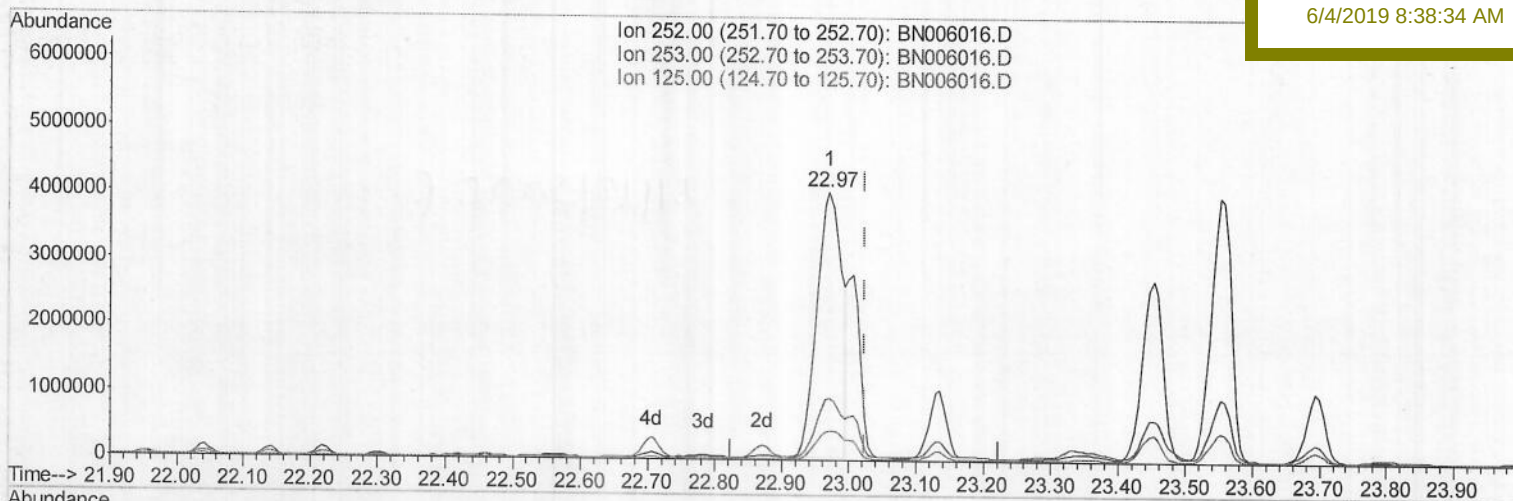
ClientSampleId :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



(88) Benzo(k)fluoranthene

22.970min (-0.053) 110.33ng/ul

response 10374877

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

252.00	100	100
--------	-----	-----

253.00	21.70	23.28
--------	-------	-------

125.00	9.40	11.01
--------	------	-------

0.00	0.00	0.00
------	------	------

Quantitation Report (Qedit)

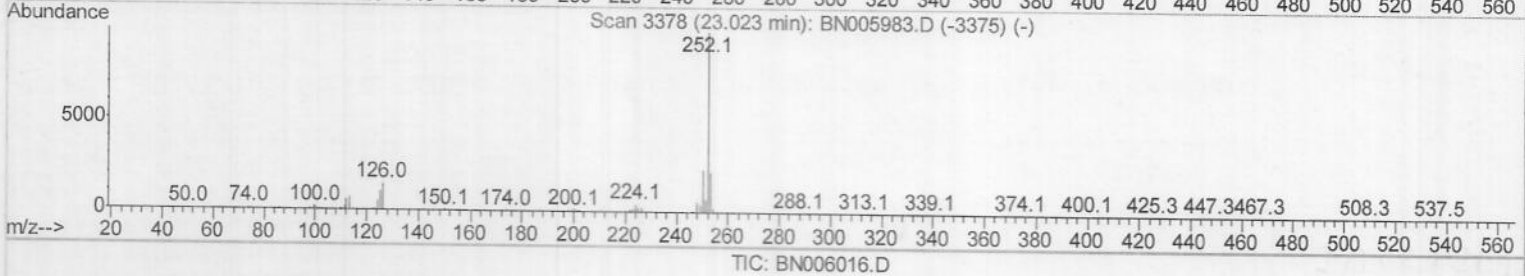
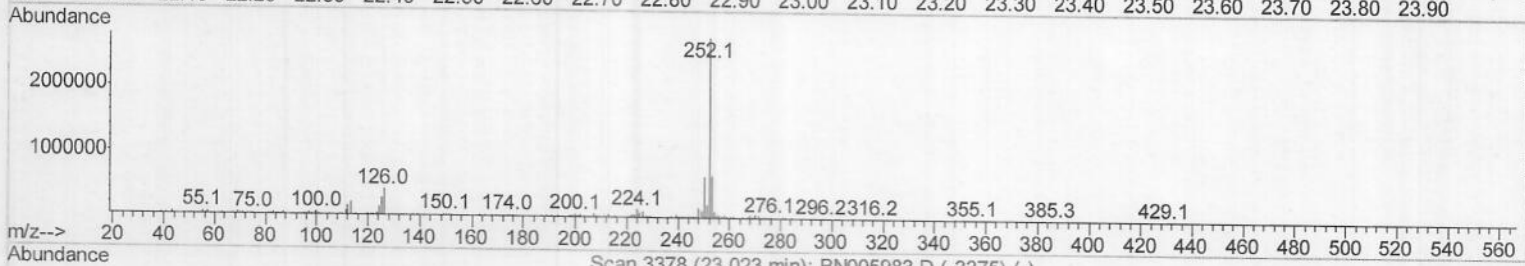
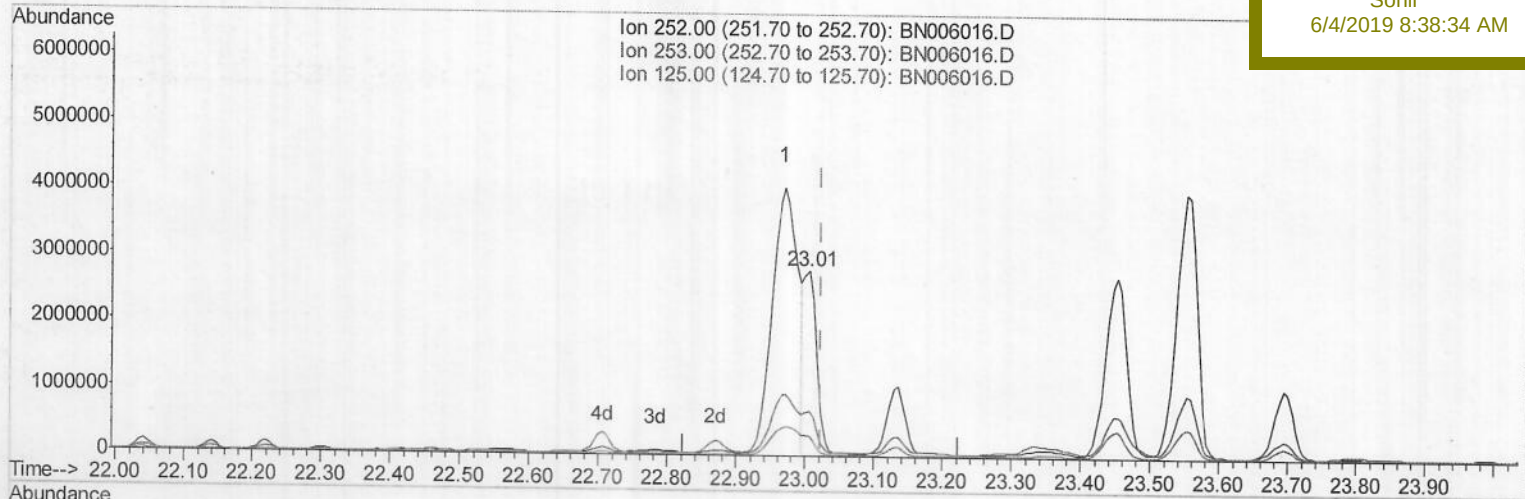
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\
 Data File : BN006016.D
 Acq On : 02 Jun 2019 05:32
 Operator : JU/SJ
 Sample : K2928-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 01 01:49:29 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 A42C8

Manual Integrations
 APPROVED

Sohil
 6/4/2019 8:38:34 AM



(88) Benzo(k)fluoranthene

23.006min (-0.018) 37.80ng/ul m

JU06/05/17

response 3554937

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	24.05
125.00	9.40	10.55
0.00	0.00	0.00

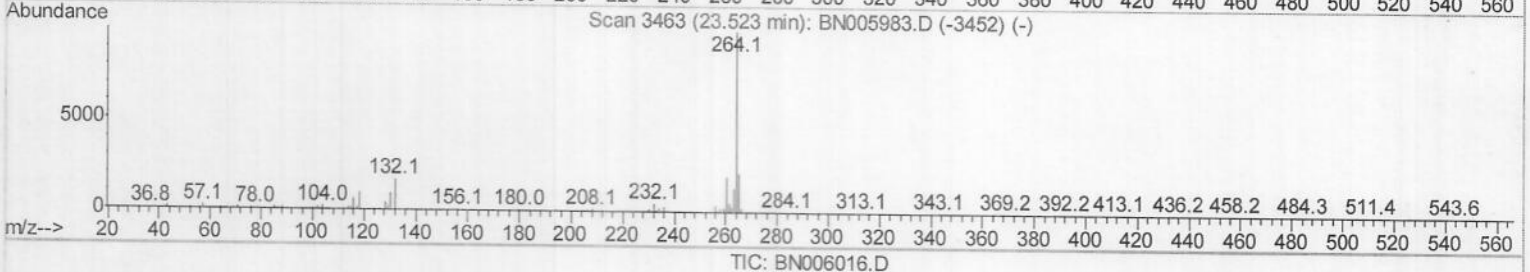
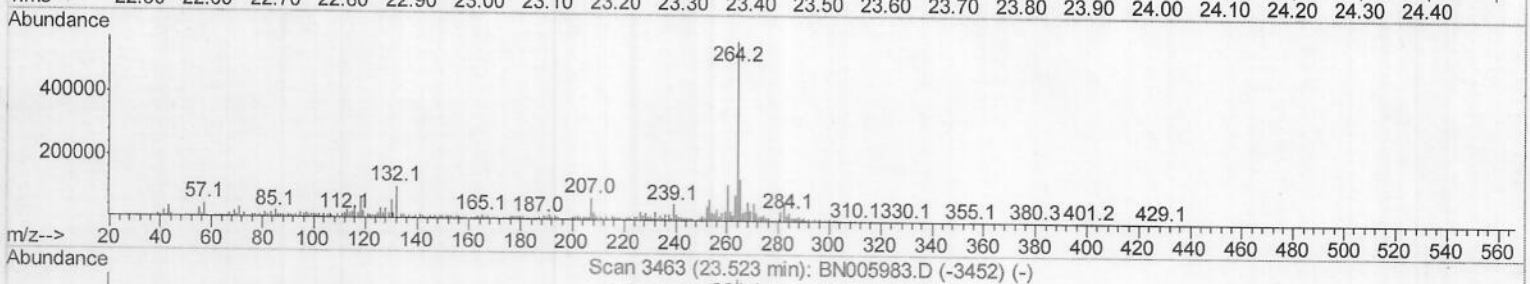
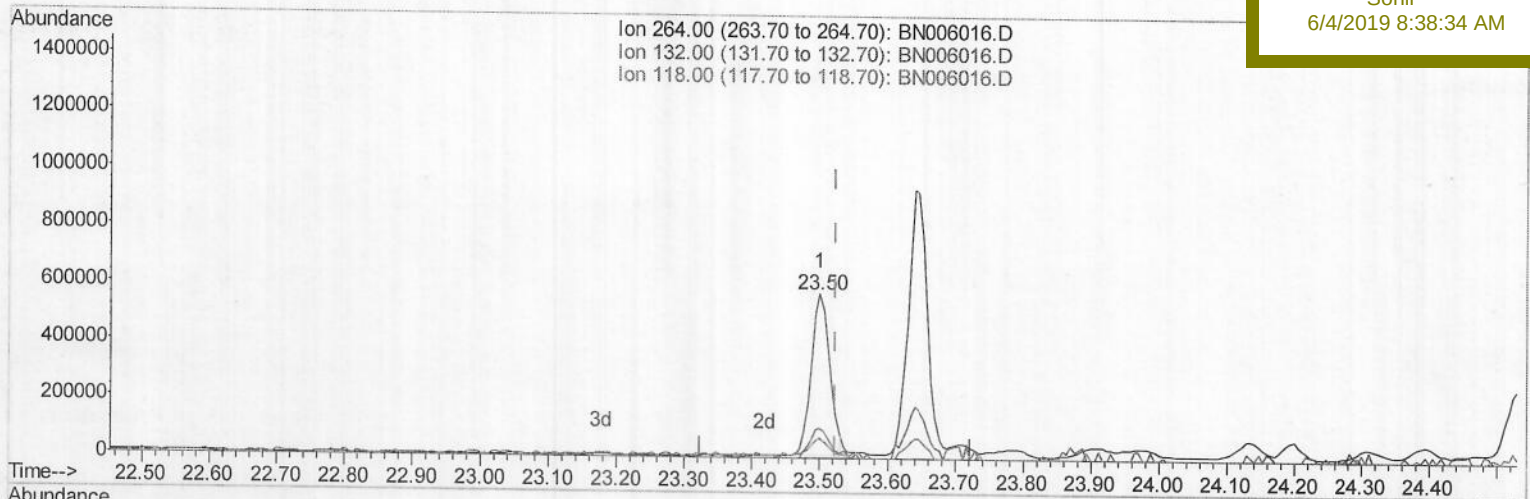
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\
Data File : BN006016.D
Acq On : 02 Jun 2019 05:32
Operator : JU/SJ
Sample : K2928-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42C8

Manual Integrations
APPROVED

Sohil
6/4/2019 8:38:34 AM



(89) Benzo(a)pyrene-d12 (S)

23.500min (-0.024) 13.24ng/ul

response 1075372

Ion	Exp%	Act%
264.00	100	100
132.00	16.60	18.10
118.00	10.40	12.21
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

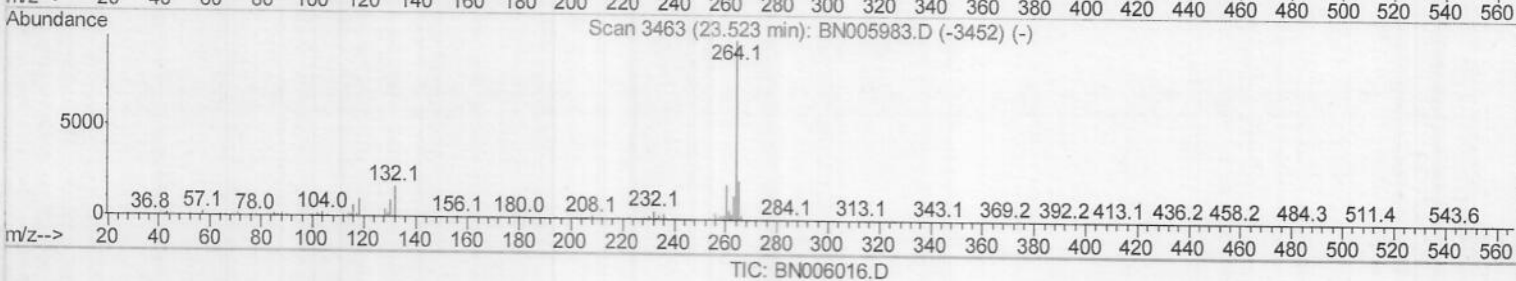
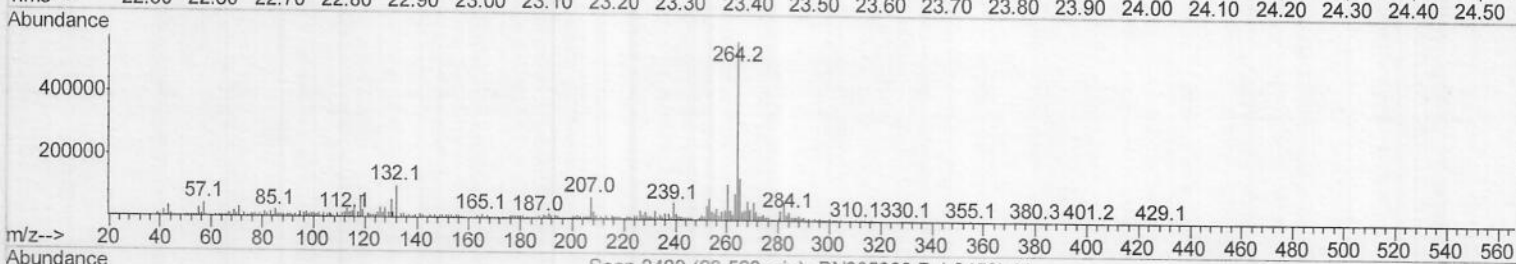
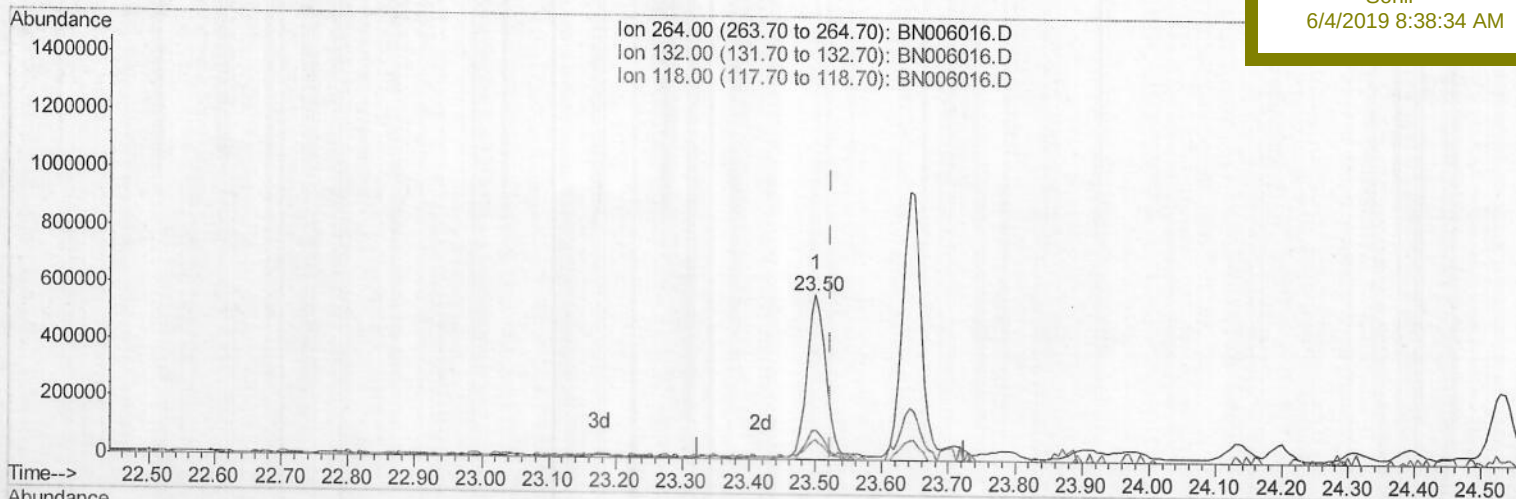
ClientSampleId :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



(89) Benzo(a)pyrene-d12 (S)

23.500min (-0.024) 13.77ng/ul m

JUN 06/05/19

response 1119176

Ion	Exp%	Act%
264.00	100	100
132.00	16.60	18.10
118.00	10.40	12.21
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

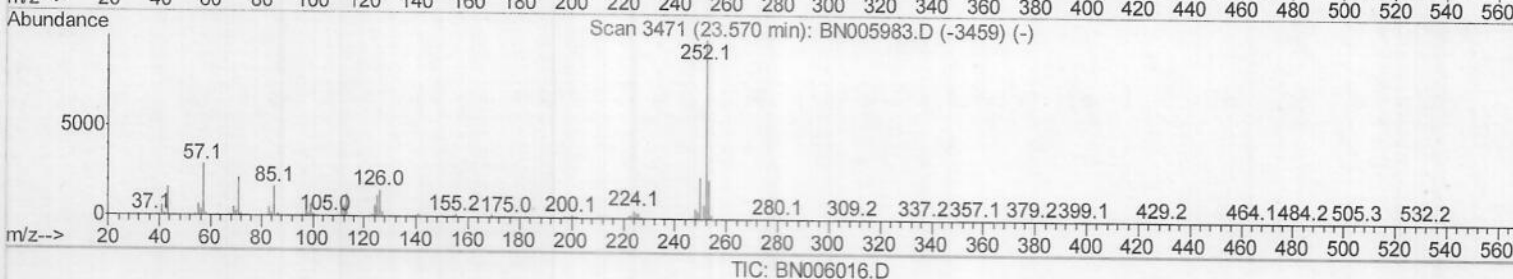
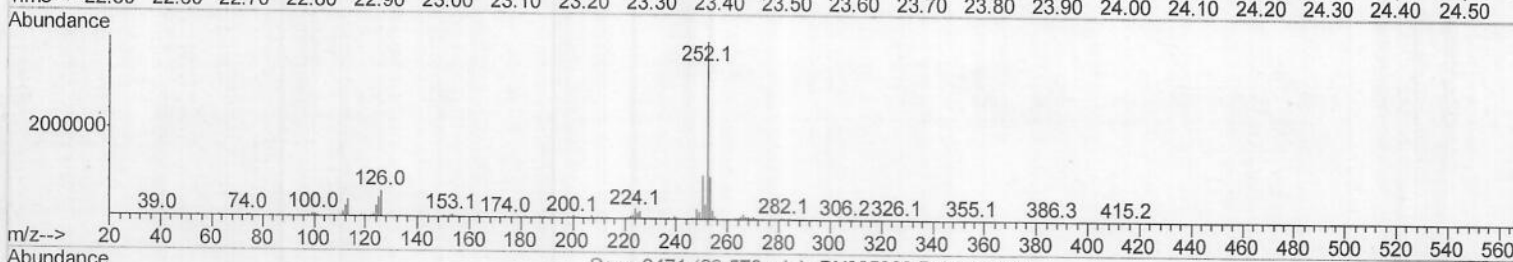
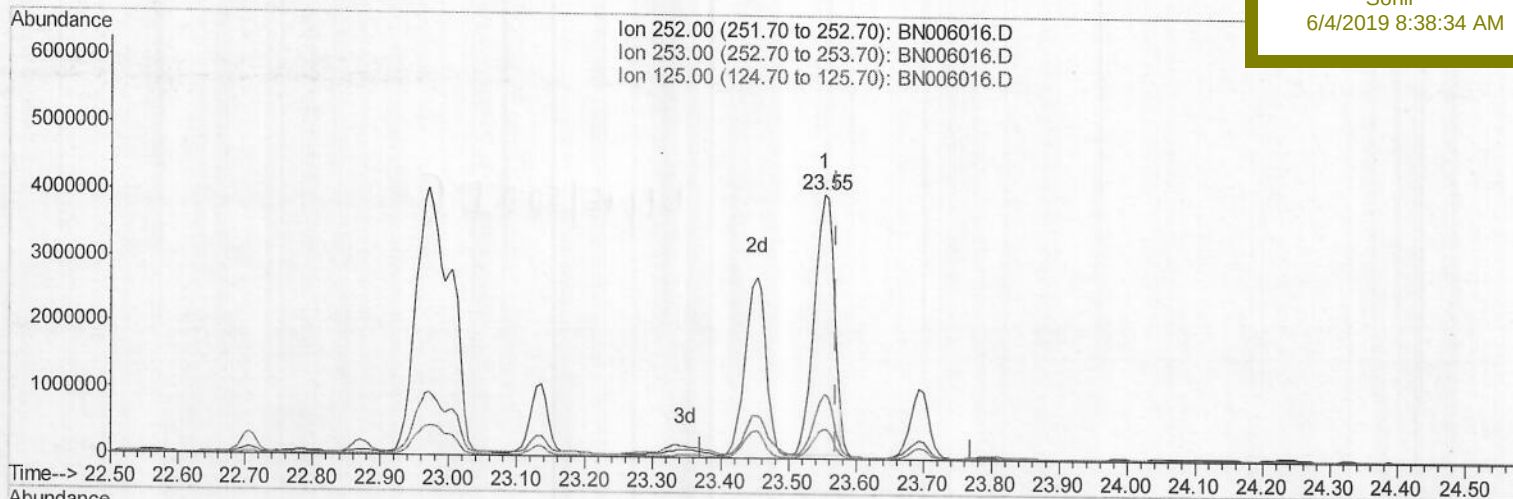
ClientSampleId :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



(90) Benzo(a)pyrene (C)

23.553min (-0.018) 83.92ng/ul

response 8093822

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.73
125.00	10.80	11.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

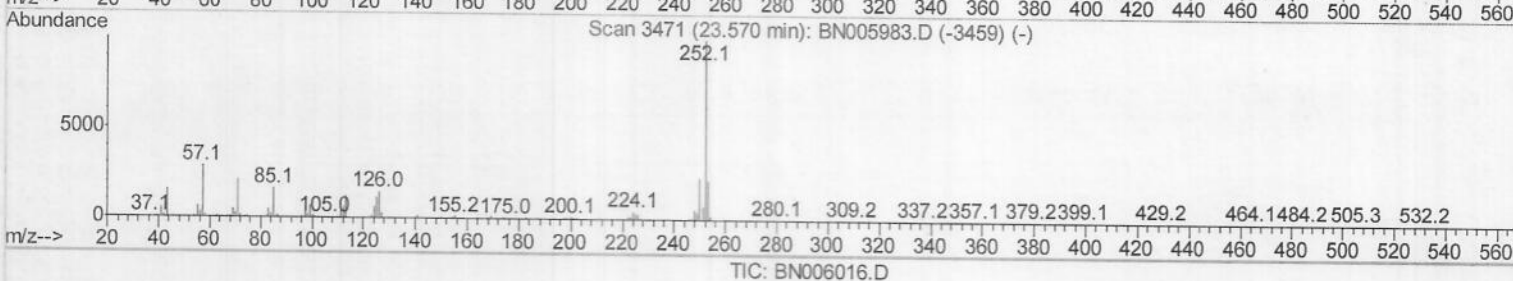
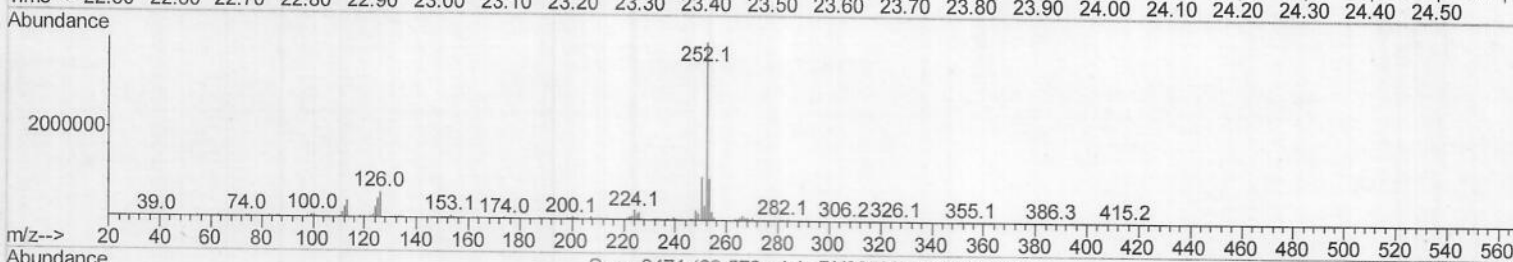
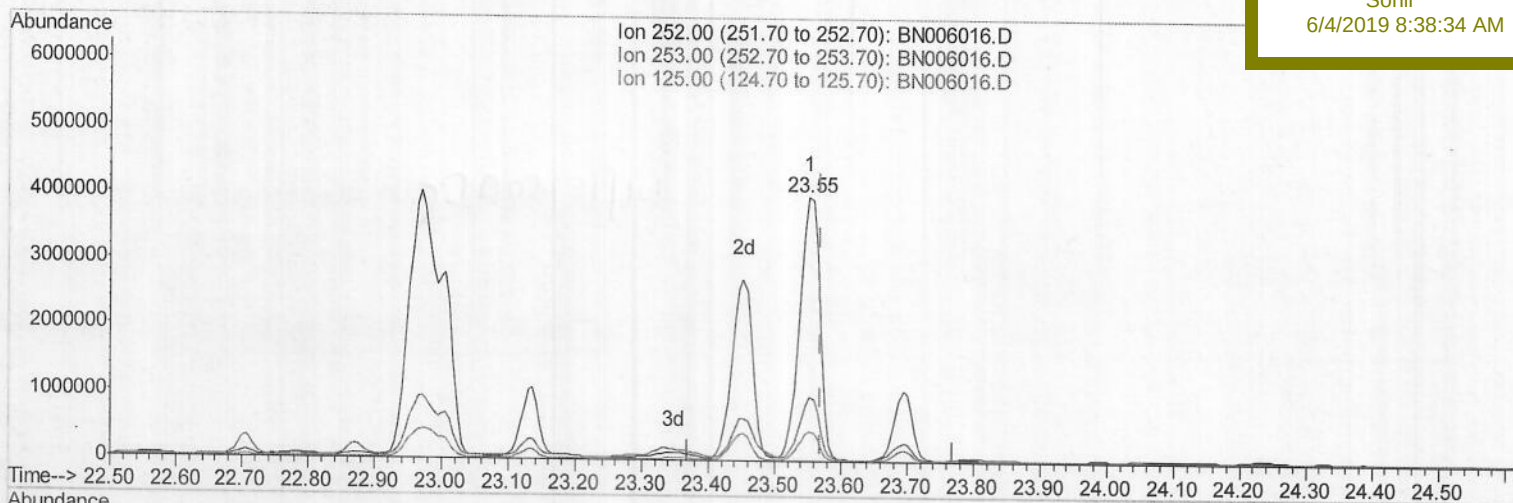
ClientSampleId :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



(90) Benzo(a)pyrene (C)

23.553min (-0.018) 86.45ng/ul m

response 8337658

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.73
125.00	10.80	11.22
0.00	0.00	0.00

) JU06105/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

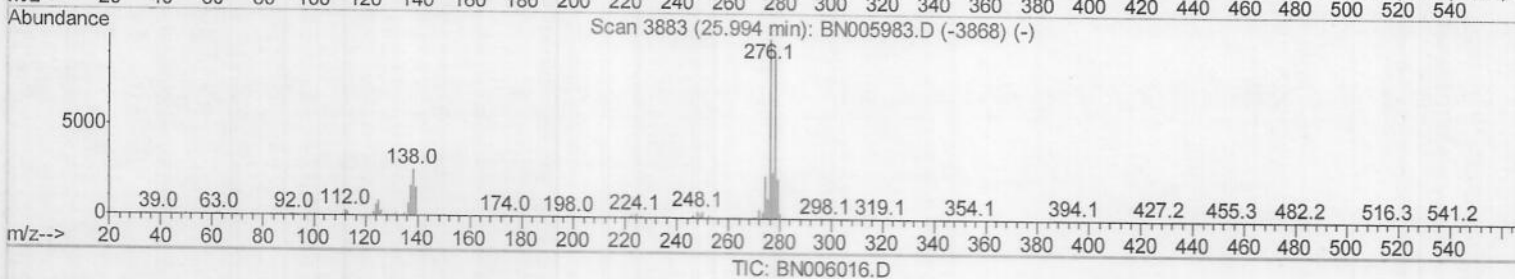
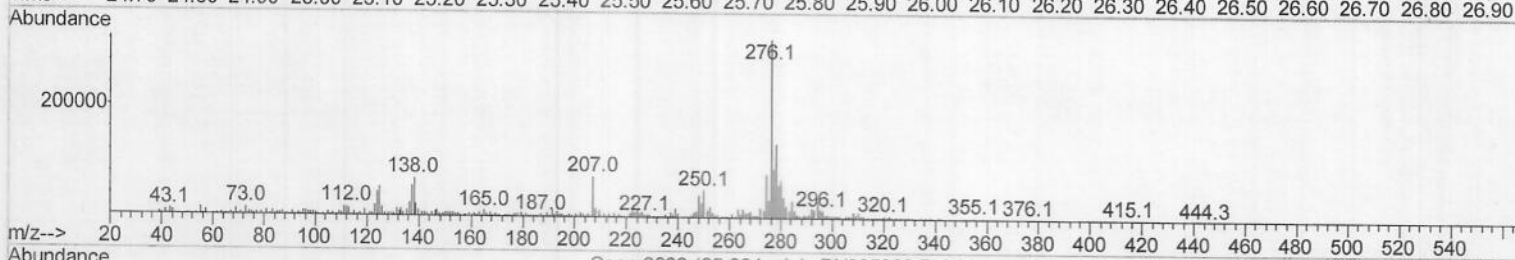
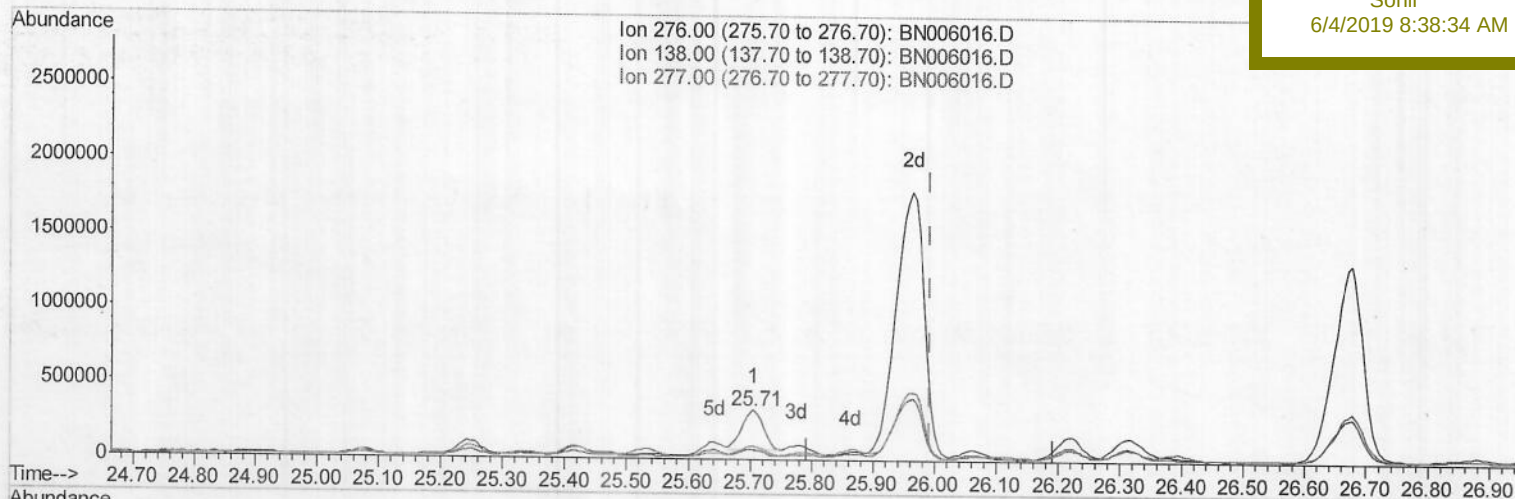
ClientSampleId :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



(91) Indeno(1,2,3-cd)pyrene

25.706min (-0.288) 5.73ng/ul

response 648073

Ion	Exp%	Act%
276.00	100	100
138.00	22.40	21.31
277.00	24.60	27.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

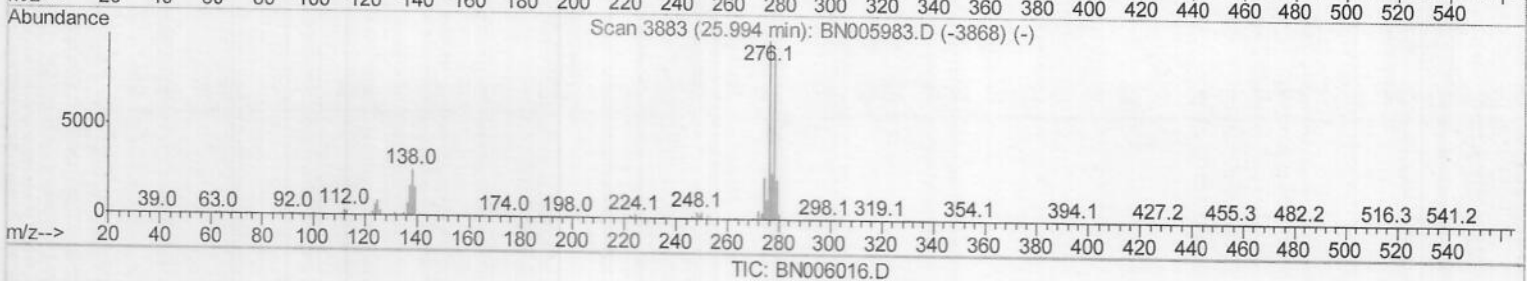
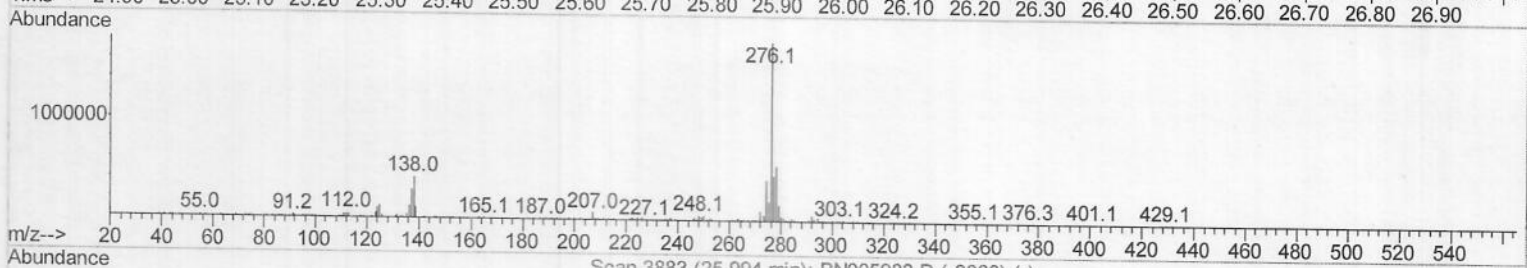
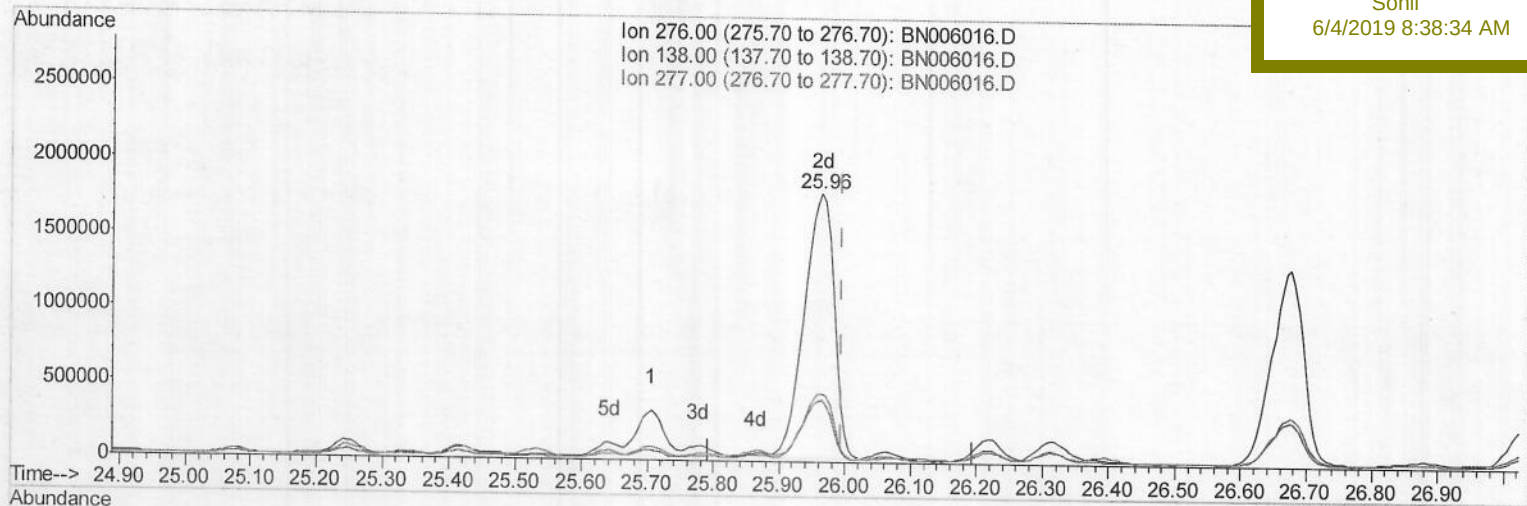
A42C8

Manual Integrations

APPROVED

Sohil

6/4/2019 8:38:34 AM



(91) Indeno(1,2,3-cd)pyrene

25.964min (-0.029) 48.93ng/ul m

)JU06/05/19

response 5537858

Ion	Exp%	Act%
276.00	100	100
138.00	22.40	22.68
277.00	24.60	25.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

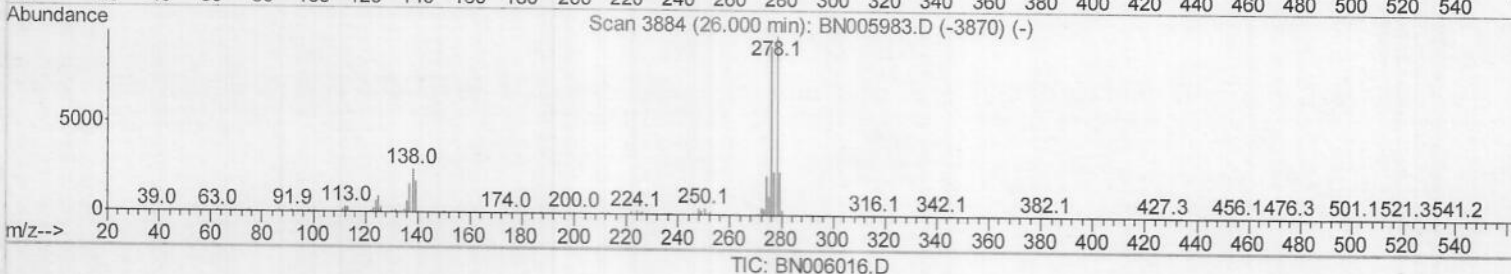
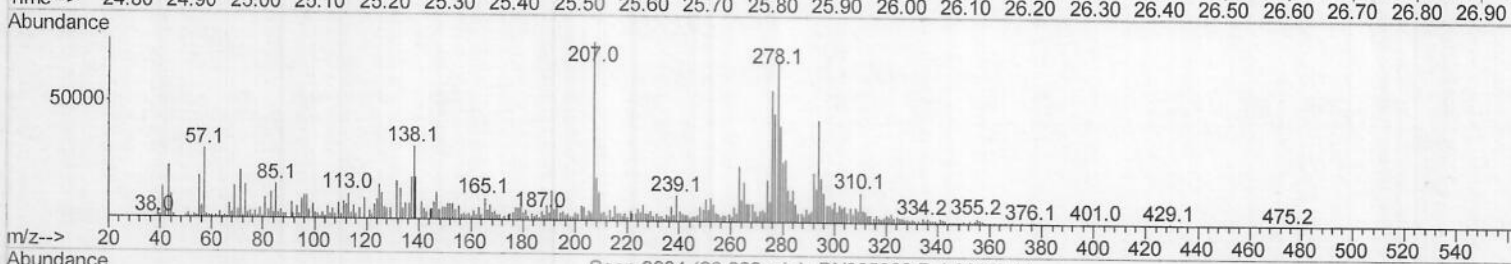
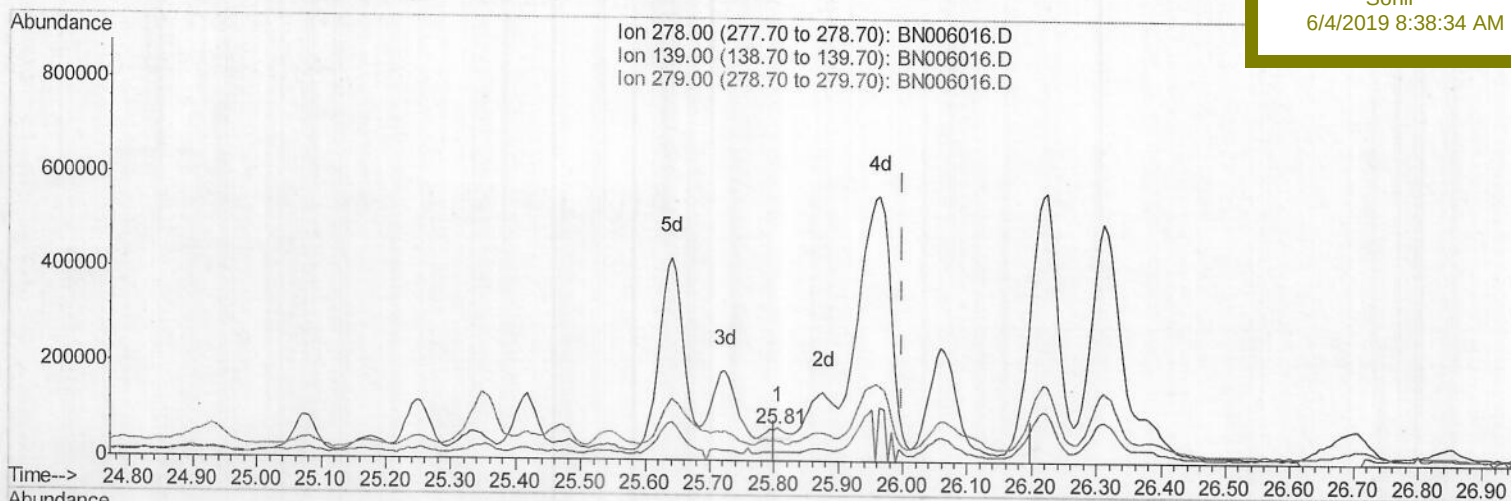
ClientSampled :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



(92) Dibenzo(a,h)anthracene

25.806min (-0.194) 0.44ng/ul

response 41920

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

278.00	100	100
--------	-----	-----

139.00	16.40	26.12#
--------	-------	--------

279.00	24.20	60.07#
--------	-------	--------

0.00	0.00	0.00
------	------	------

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

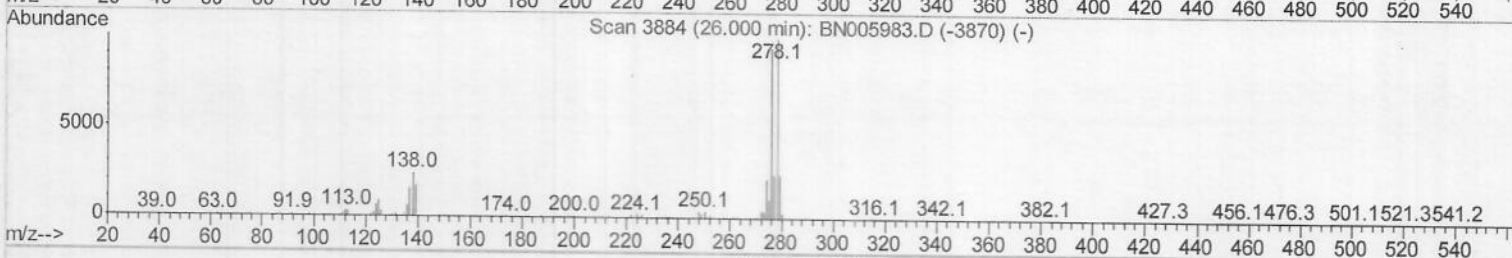
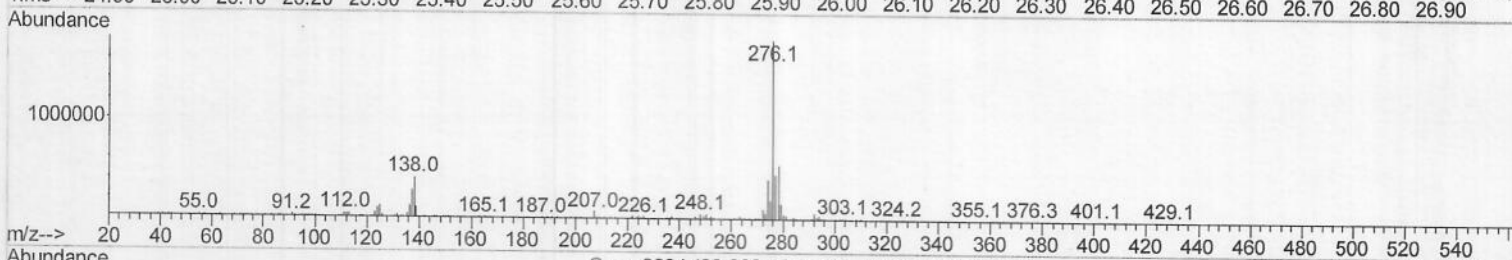
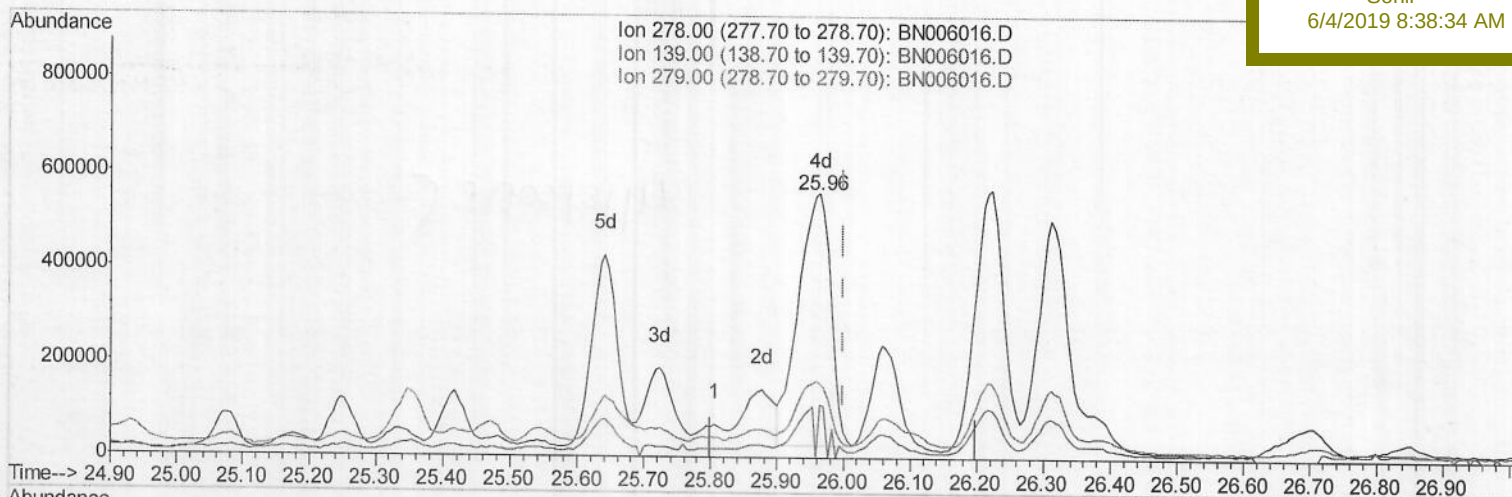
ClientSampleId :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



TIC: BN006016.D

(92) Dibenzo(a,h)anthracene

25.964min (-0.035) 19.06ng/ul m

JU06105119

response 1796011

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	20.20#
279.00	24.20	28.04
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

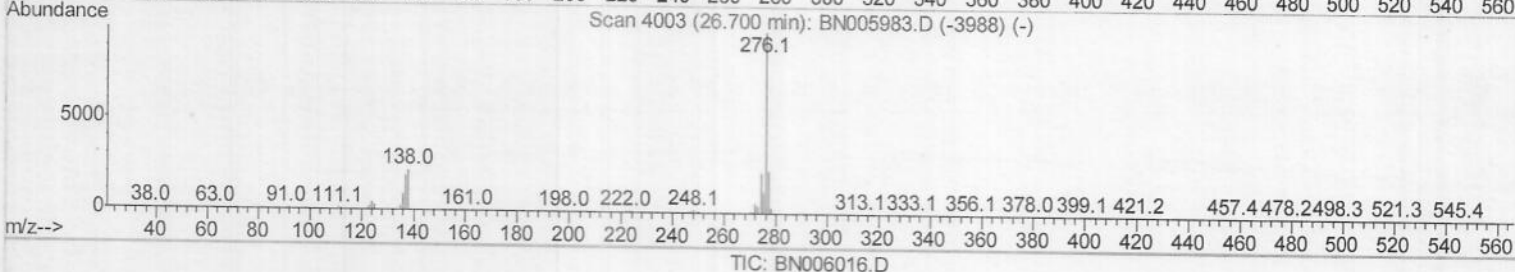
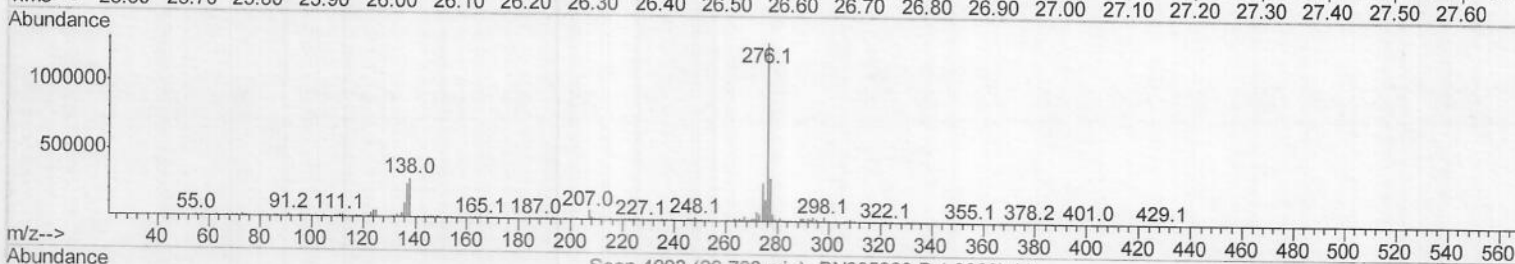
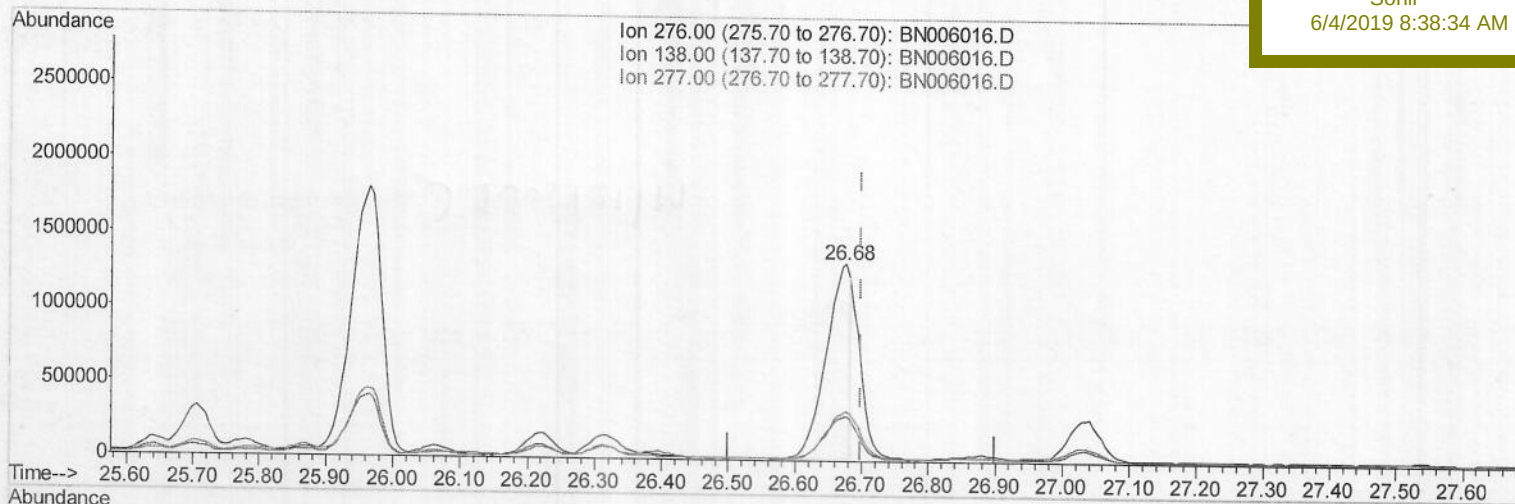
ClientSampleId :

A42C8

Manual Integrations
APPROVED

Sohil

6/4/2019 8:38:34 AM



(93) Benzo(g,h,i)perylene

26.676min (-0.024) 34.15ng/ul

response 3255060

Ion	Exp%	Act%
276.00	100	100
138.00	20.90	22.29
277.00	22.70	24.89
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060119\

Data File : BN006016.D

Acq On : 02 Jun 2019 05:32

Operator : JU/SJ

Sample : K2928-14

Misc :

ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 02:15:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 01 01:49:29 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

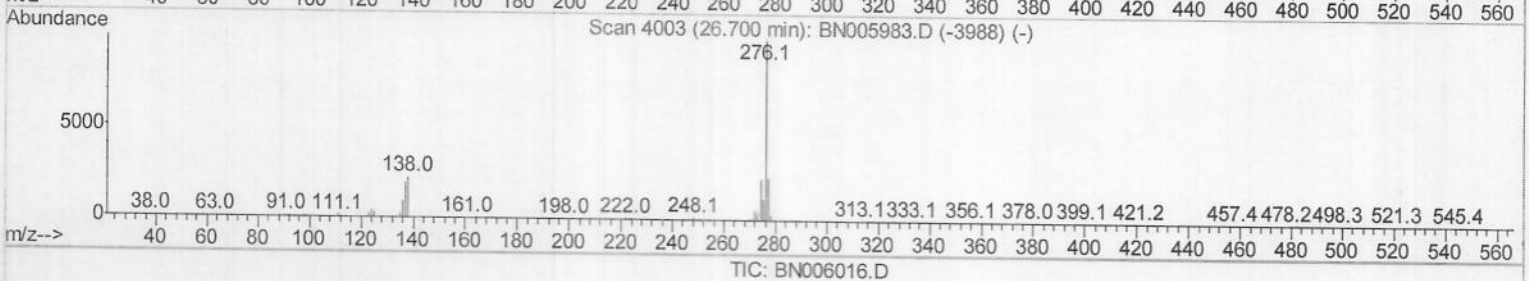
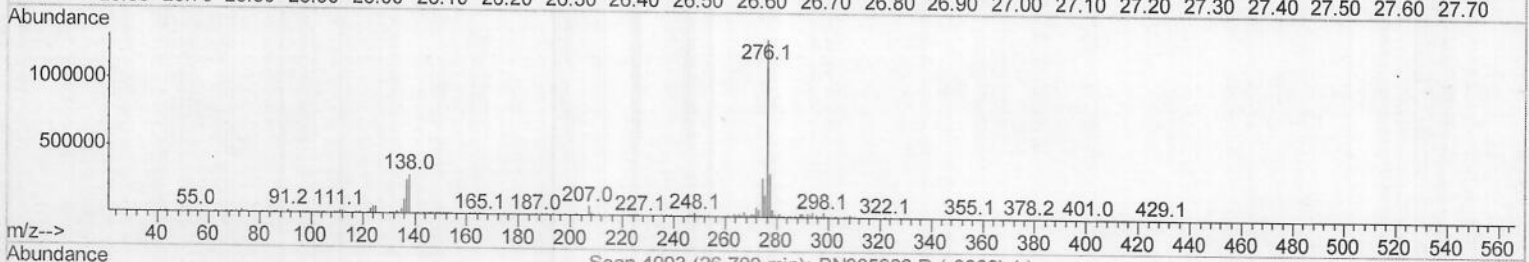
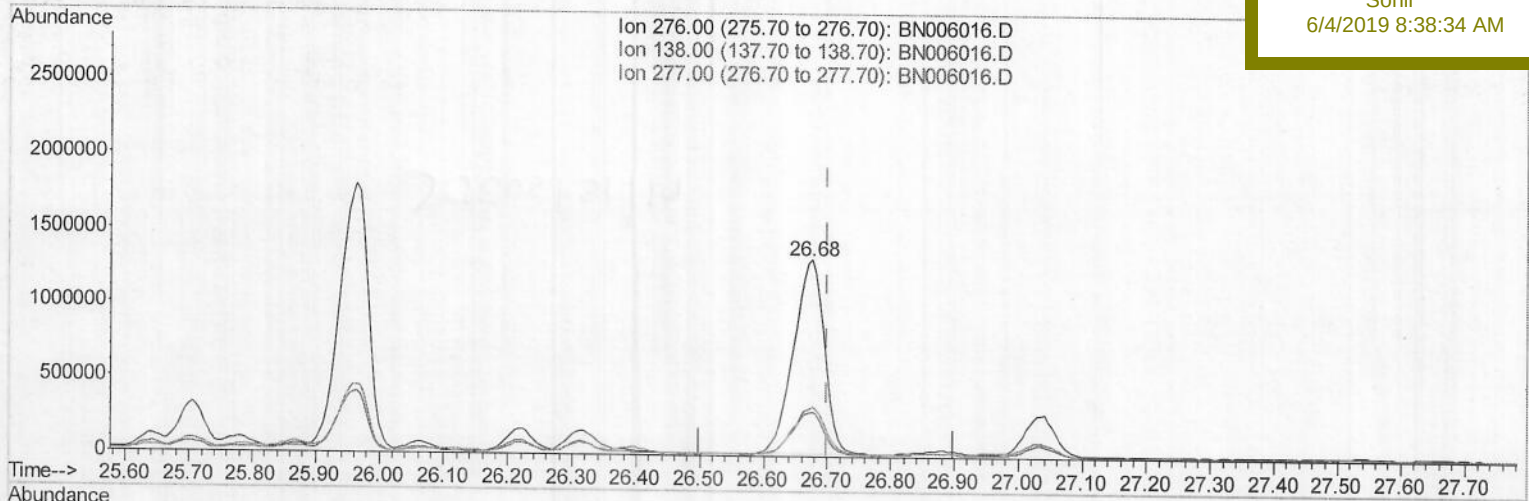
A42C8

Manual Integrations

APPROVED

Sohil

6/4/2019 8:38:34 AM



(93) Benzo(g,h,i)perylene

26.676min (-0.024) 46.04ng/ul m

JU06/05/19

response 4388669

Ion	Exp%	Act%
276.00	100	100
138.00	20.90	22.29
277.00	22.70	24.89
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060119\
 Data File : BN006016.D
 Acq On : 02 Jun 2019 05:32
 Operator : JU/SJ
 Sample : K2928-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 04:25:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 01 01:49:29 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 A42C8

Manual Integrations
 APPROVED

Sohil
 6/4/2019 8:38:34 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	508674	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.51	136	2251251	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.38	164	1286988	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.14	188	2439236	20.00	ng/ul	-0.02
77) Chrysene-d12	21.36	240	1408819	20.00	ng/ul	-0.02
85) Perylene-d12	23.64	264	1820901m	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	26667	2.31	ng/uL	0.00
5) Phenol-d5	6.89	99	612192	13.58	ng/ul	-0.02
7) Bis-(2-Chloroethyl) ether-d	7.06	67	353434	13.74	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.26	132	491659	14.32	ng/ul	-0.01
13) 4-Methylphenol-d8	8.43	113	480445	13.20	ng/ul	-0.02
19) Nitrobenzene-d5	8.88	128	239215	16.56	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.60	143	266196	19.78	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.14	165	468043	14.73	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.65	131	182444	4.38	ng/ul	-0.02
43) Dimethylphthalate-d6	13.79	166	1405992	14.82	ng/ul	-0.02
46) Acenaphthylene-d8	14.07	160	1747118	14.72	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.58	143	198021	11.47	ng/ul	-0.03
57) Fluorene-d10	15.38	176	1173591	14.75	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.51	200	146998	14.79	ng/ul	-0.02
70) Anthracene-d10	17.24	188	1572688	15.15	ng/ul	-0.02
78) Pyrene-d10	19.55	212	1235458	17.36	ng/ul	-0.02
89) Benzo(a)pyrene-d12	23.50	264	1119176m	13.77	ng/ul	-0.02

Target Compounds

					Ovalue
28) Naphthalene	10.57	128	197653	1.850	ng/ul 98
34) 2-Methylnaphthalene	12.18	142	93514	1.188	ng/ul 100
44) Dimethylphthalate	13.84	163	494684	5.217	ng/ul 99
47) Acenaphthylene	14.10	152	594969	5.112	ng/ul 97
49) Acenaphthene	14.44	153	176173	2.228	ng/ul 98
53) Dibenzofuran	14.78	168	120014	1.075	ng/ul# 84
58) Fluorene	15.43	166	193712	2.210	ng/ul# 95
69) Phenanthrene	17.18	178	5157172	42.672	ng/ul 98
71) Anthracene	17.27	178	1842864	15.020	ng/ul 99
74) Carbazole	17.54	167	186942	1.691	ng/ul# 72
76) Fluoranthene	19.22	202	13789329	106.880	ng/ul# 94
79) Pyrene	19.59	202	15673912	175.632	ng/ul# 93
82) Benzo(a)anthracene	21.34	228	9570828	108.070	ng/ul 91
84) Chrysene	21.40	228	9767174	118.249	ng/ul# 94
87) Benzo(b)fluoranthene	22.97	252	10374877	101.442	ng/ul 98
88) Benzo(k)fluoranthene	23.01	252	3554937m	37.804	ng/ul
90) Benzo(a)pyrene	23.55	252	8337658m	86.448	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.96	276	5537858m	48.933	ng/ul
92) Dibenzo(a,h)anthracene	25.96	278	1796011m	19.061	ng/ul
93) Benzo(g,h,i)perylene	26.68	276	4388669m	46.043	ng/ul

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