

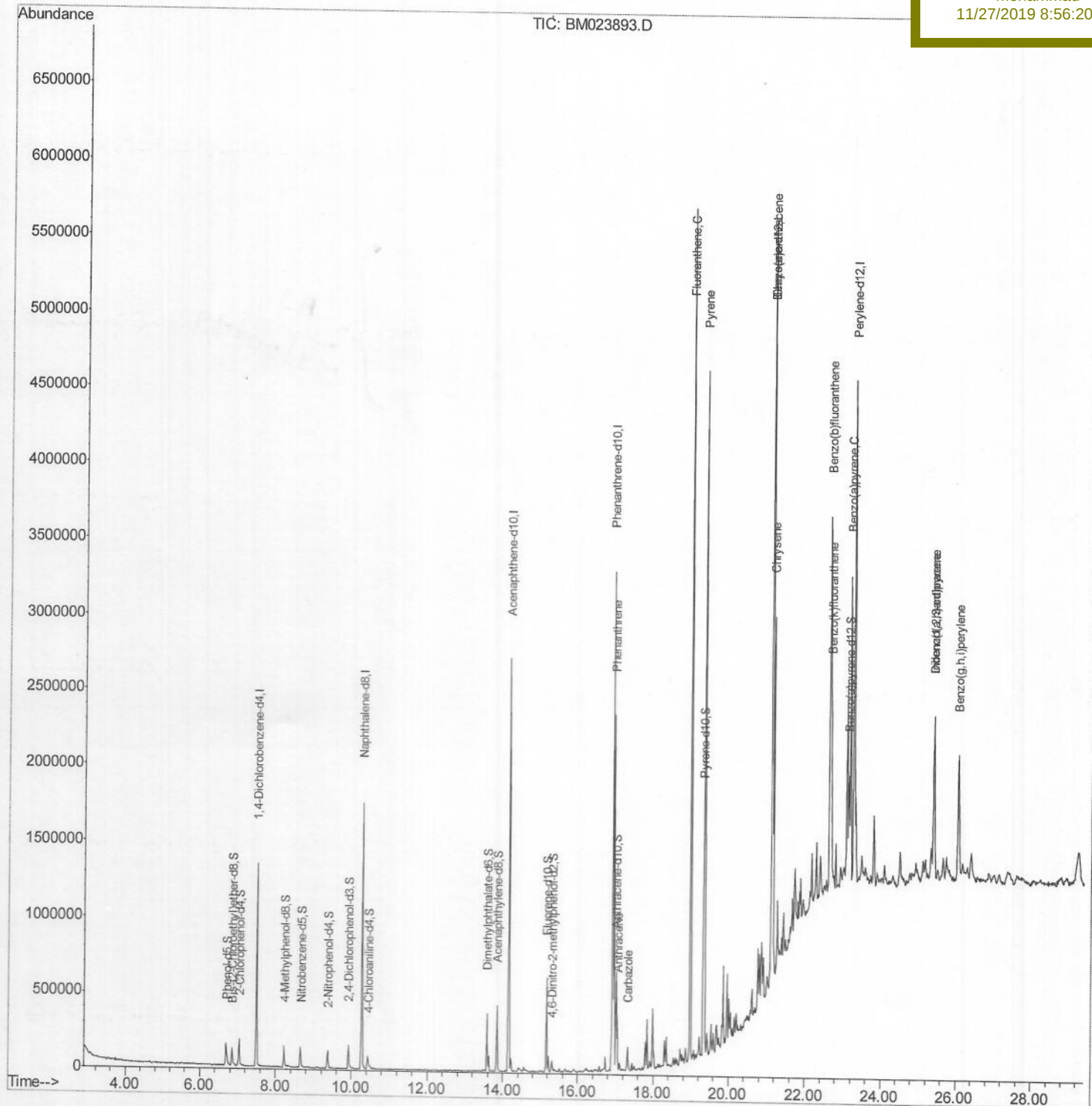
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\Data\BM112619\
Data File : BM023893.D
Acq On : 26 Nov 2019 15:11
Operator : JU
Sample : K5854-11DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 15:45:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 26 13:12:07 2019
Response via : Initial Calibration

Instrument :
BNA_M
Client Sample ID :
C0AC9DL

Manual Integrations
APPROVED

mohammad
11/27/2019 8:56:20 AM



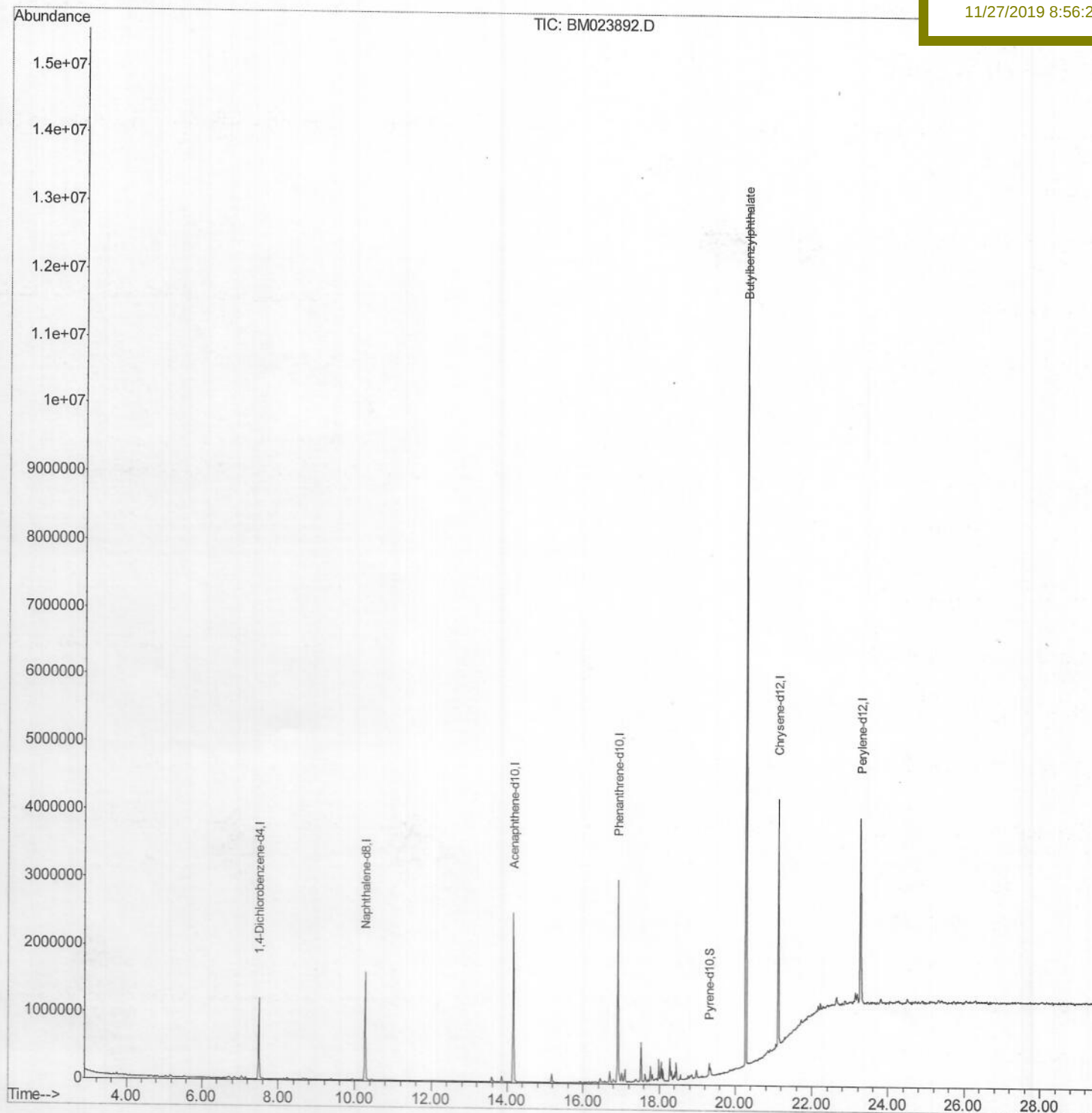
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Data File : BM023892.D
Acq On : 26 Nov 2019 14:35
Operator : JU
Sample : K5854-03DL 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 26 15:12:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
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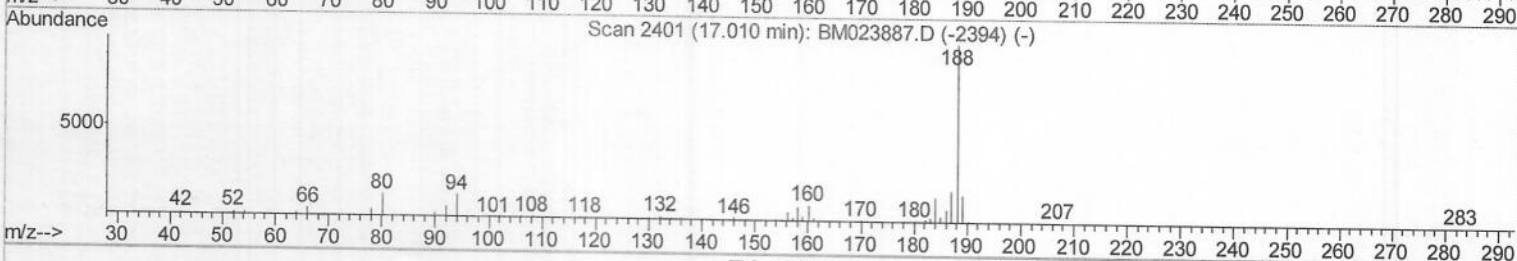
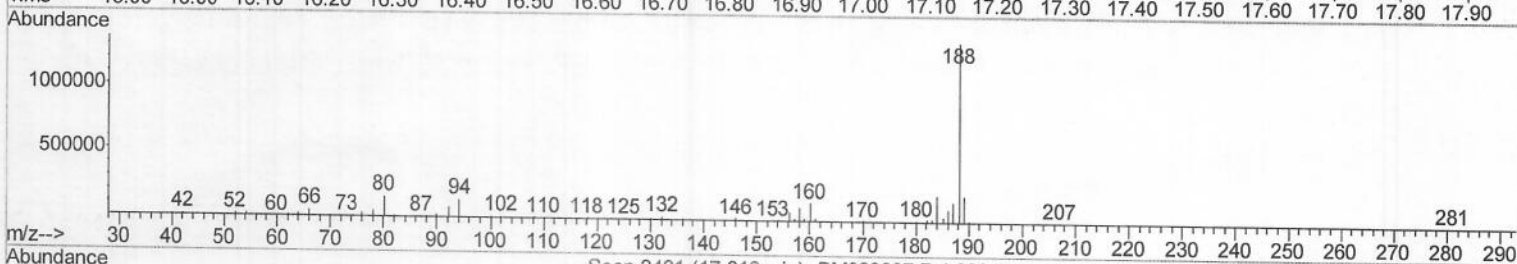
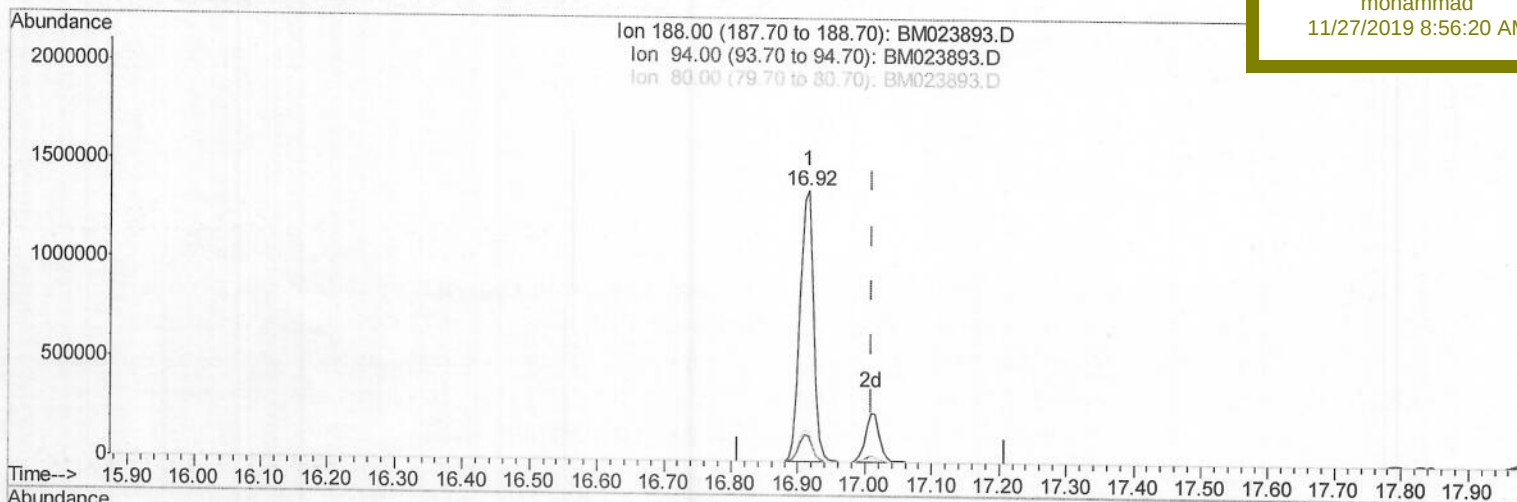
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112619\
Data File : BM023893.D
Acq On : 26 Nov 2019 15:11
Operator : JU
Sample : K5854-11DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 15:43:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 26 13:12:07 2019
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TIC: BM023893.D

(71) Anthracene-d10 (S)

16.915min (-0.094) 21.08ng/ul

response 1907777

Ion	Exp%	Act%
188.00	100	100
94.00	10.20	9.73
80.00	9.70	11.12
0.00	0.00	0.00

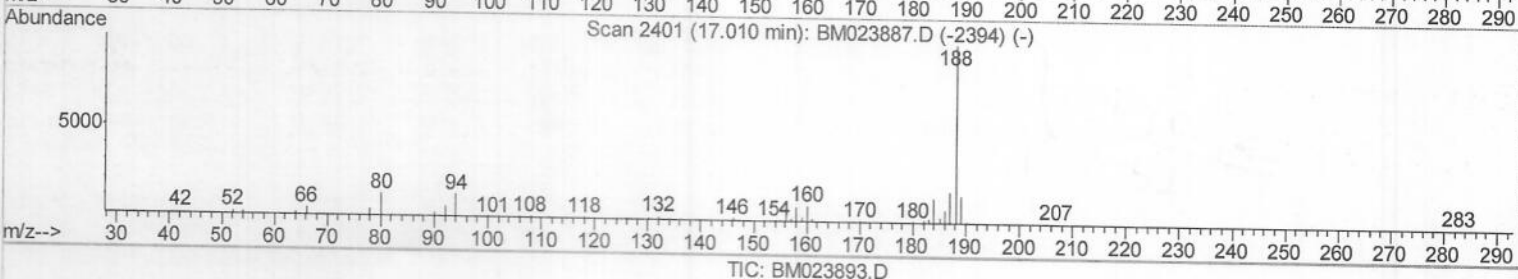
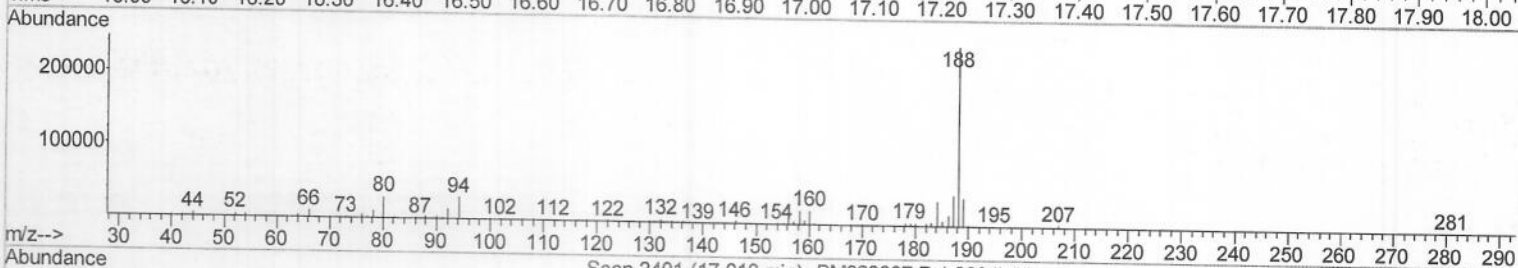
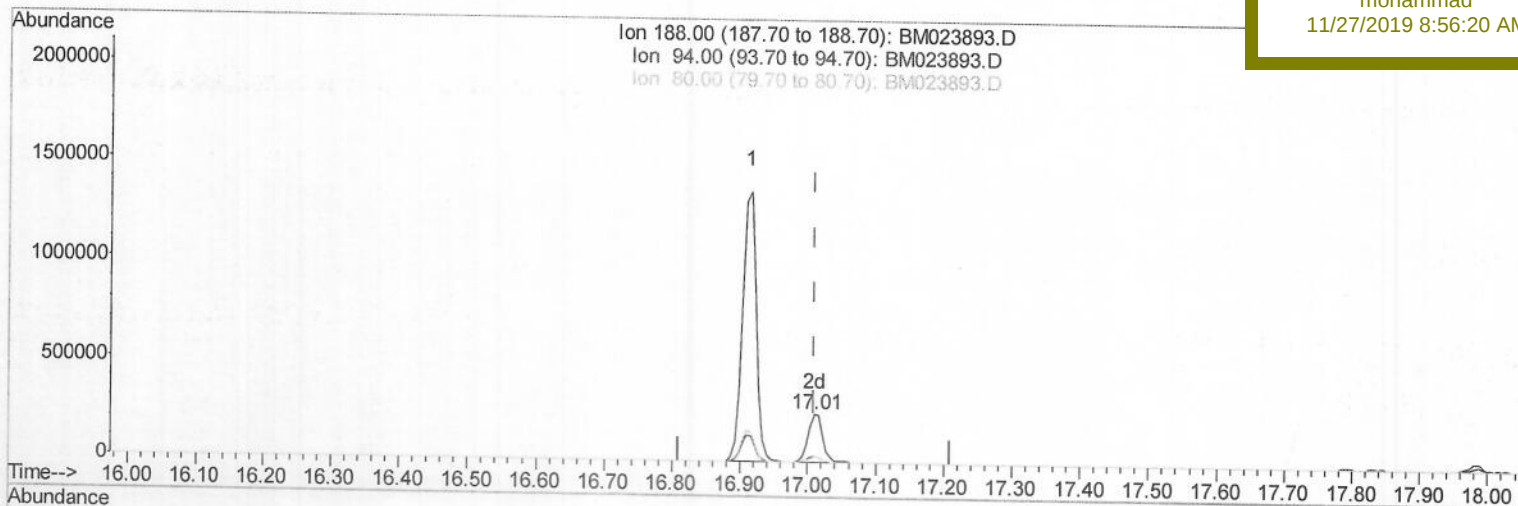
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112619\
Data File : BM023893.D
Acq On : 26 Nov 2019 15:11
Operator : JU
Sample : K5854-11DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 26 13:12:07 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC9DL

Manual Integrations
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11/27/2019 8:56:20 AM



(71) Anthracene-d10 (S)

17.009min (-0.000) 4.05ng/ul m

response 366935

Ion	Exp%	Act%
188.00	100	100
94.00	10.20	12.38#
80.00	9.70	11.85#
0.00	0.00	0.00

JU 11/29/19

Quantitation Report (Qedit)

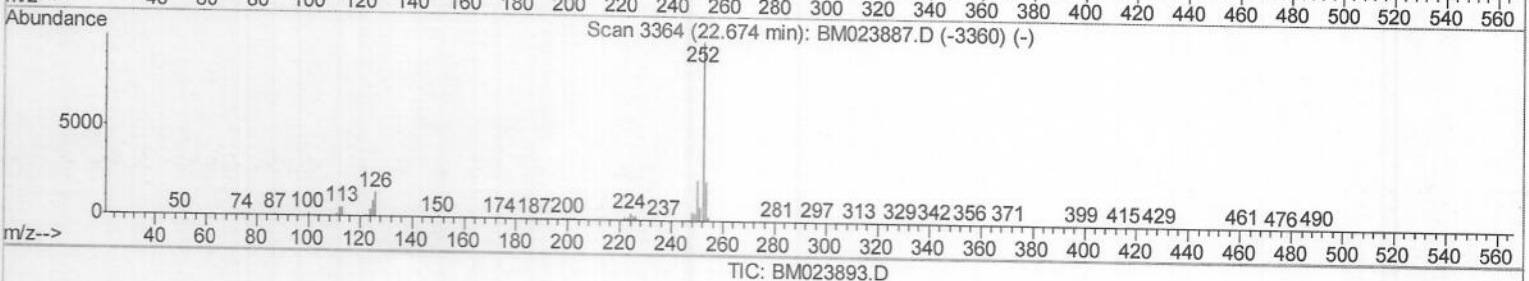
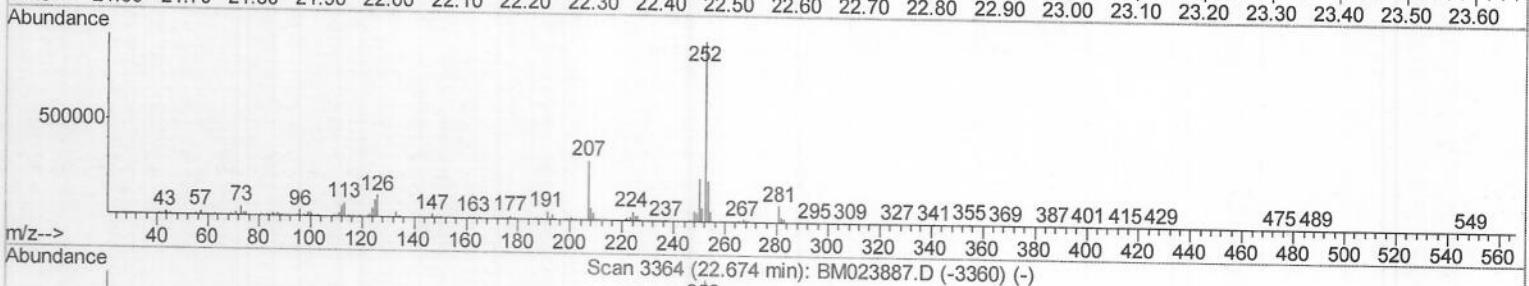
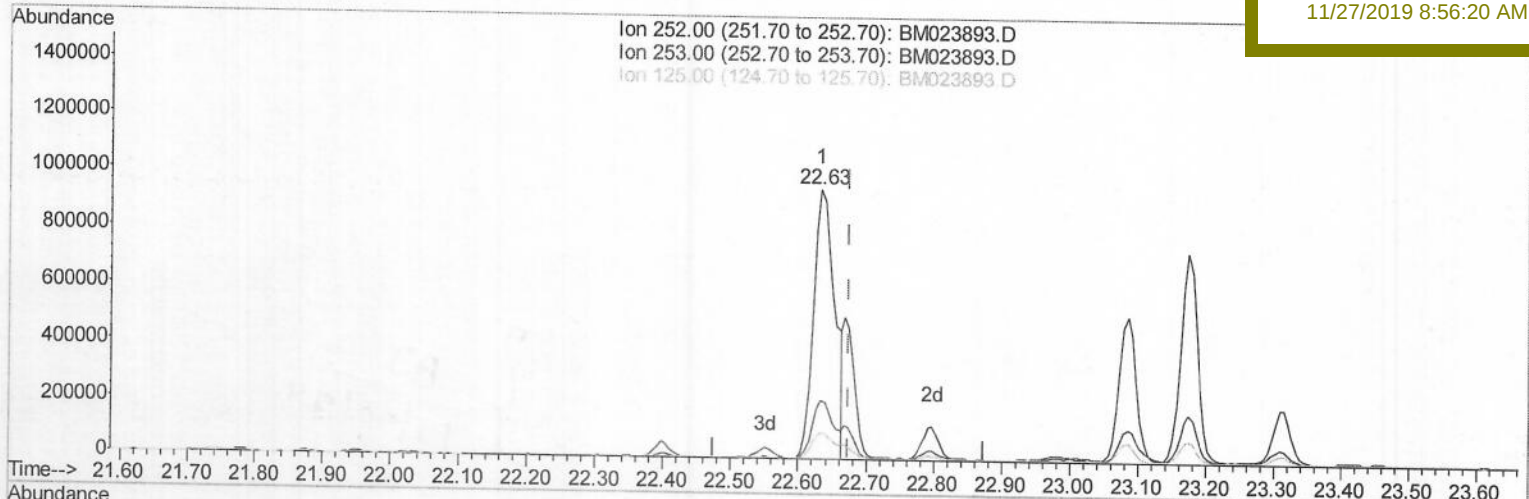
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 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 15:43:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
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 QLast Update : Tue Nov 26 13:12:07 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 C0AC9DL

Manual Integrations
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(89) Benzo(k)fluoranthene
 22.633min (-0.041) 15.08ng/ul
 response 2043799

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	22.37
125.00	7.40	9.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112619\

Data File : BM023893.D

Acq On : 26 Nov 2019 15:11

Operator : JU

Sample : K5854-11DL 5X

Misc :

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 15:43:29 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Nov 26 13:12:07 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

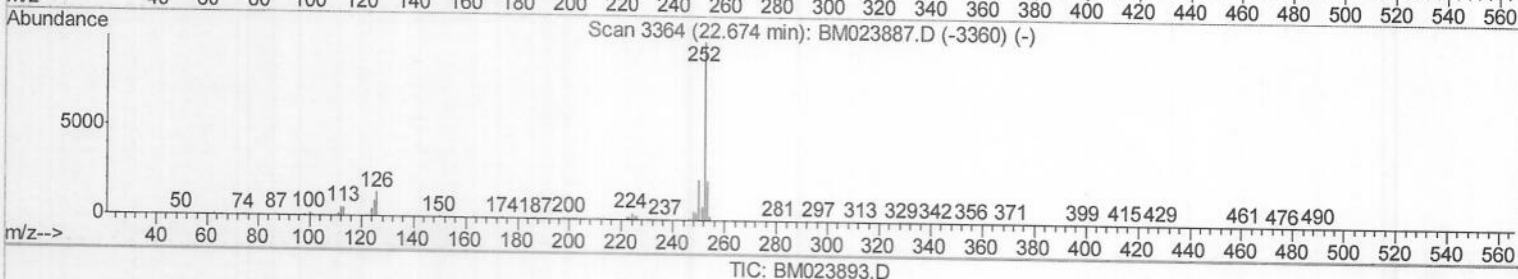
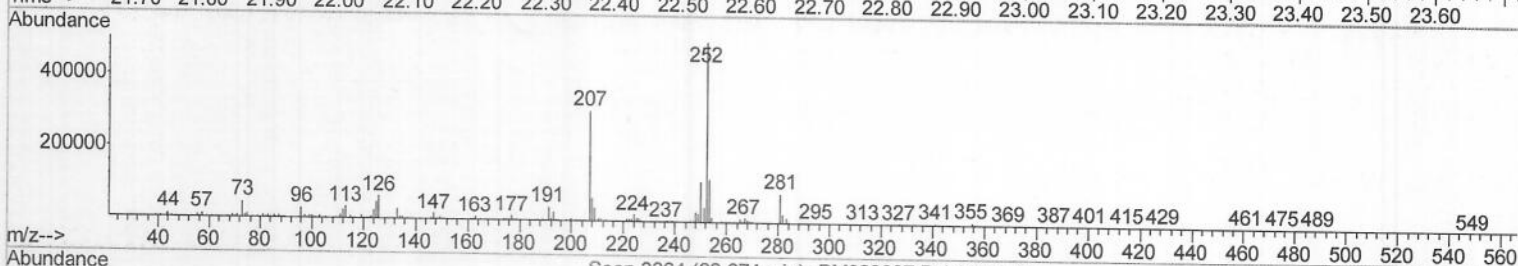
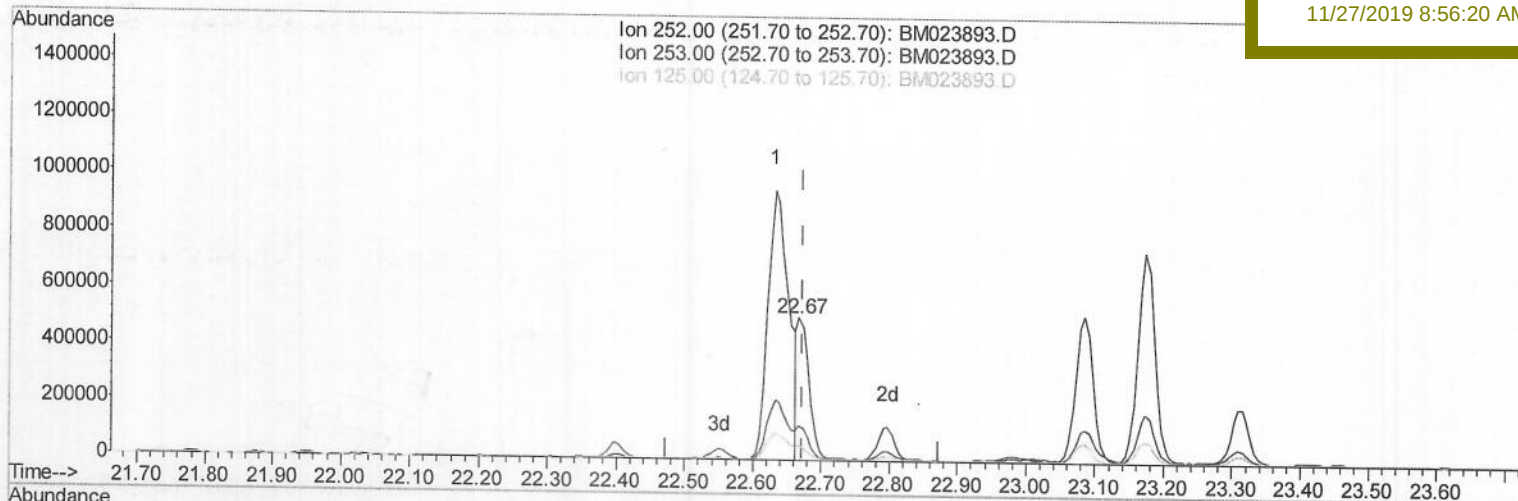
C0AC9DL

Manual Integrations

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(89) Benzo(k)fluoranthene

22.668min (-0.006) 4.40ng/ul m

response 596309

Ion Exp% Act%

252.00 100 100

253.00 21.50 23.79

125.00 7.40 9.95#

0.00 0.00 0.00

JU 11/29/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\Data\BM112619\
 Data File : BM023893.D
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Instrument :
 BNA_M
 ClientSampleId :
 C0AC9DL

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	368470	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	1515501	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	925072	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	1907777	20.00	ng/ul	0.00
78) Chrysene-d12	21.12	240	1832502	20.00	ng/ul	0.00
86) Perylene-d12	23.27	264	2207418	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	3988	0.45	ng/uL	0.02
5) Phenol-d5	6.69	99	94937	2.83	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.85	67	63169	3.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	83143	3.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	66310	2.47	ng/ul	0.00
19) Nitrobenzene-d5	8.65	128	37472	3.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.37	143	40416	3.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	75245	2.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	73595	2.58	ng/ul	0.02
44) Dimethylphthalate-d6	13.58	166	273480	3.79	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	301222	3.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	11604	0.94	ng/ul	0.03
58) Fluorene-d10	15.16	176	241867	3.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	16135	1.46	ng/ul	0.00
71) Anthracene-d10	17.01	188	366935m	4.05	ng/ul	0.00
79) Pyrene-d10	19.32	212	400943	4.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.13	264	480997	4.14	ng/ul	0.00

Target Compounds

					Qvalue
70) Phenanthrene	16.96	178	1410736	13.425	ng/ul 100
72) Anthracene	17.04	178	215429	2.039	ng/ul 98
75) Carbazole	17.32	167	96600	1.097	ng/ul 99
77) Fluoranthene	18.98	202	3300873	29.319	ng/ul# 94
80) Pyrene	19.34	202	2524387	21.312	ng/ul 96
83) Benzo(a)anthracene	21.10	228	1216127	10.061	ng/ul 98
85) Chrysene	21.16	228	1341213	11.786	ng/ul 98
88) Benzo(b)fluoranthene	22.63	252	2043799	14.524	ng/ul# 99
89) Benzo(k)fluoranthene	22.67	252	596309m	4.399	ng/ul
91) Benzo(a)pyrene	23.17	252	1280562	9.941	ng/ul# 96
92) Indeno(1,2,3-cd)pyrene	25.40	276	1021352	7.415	ng/ul 99
93) Dibenzo(a,h)anthracene	25.40	278	234512	2.017	ng/ul# 84
94) Benzo(g,h,i)perylene	26.04	276	970301	8.693	ng/ul 96

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

JU 11/26/19