

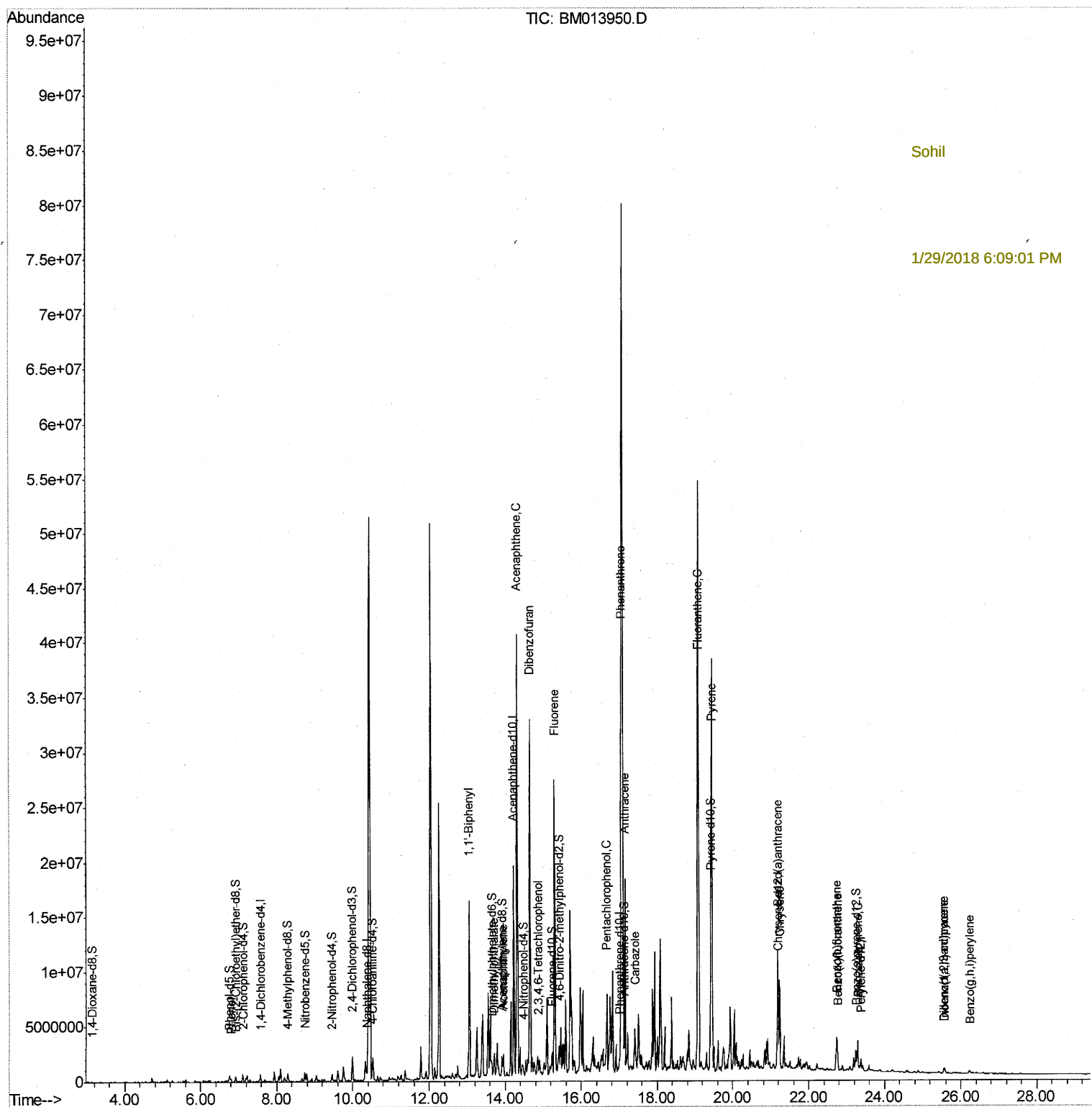
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013950.D
Acq On : 29 Jan 2018 07:47
Operator : SJ/JU
Sample : J1243-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6B34

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:50:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM

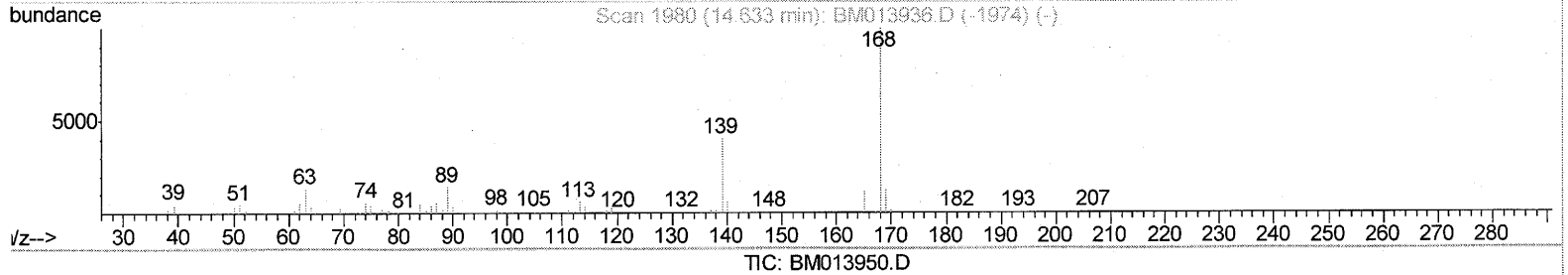
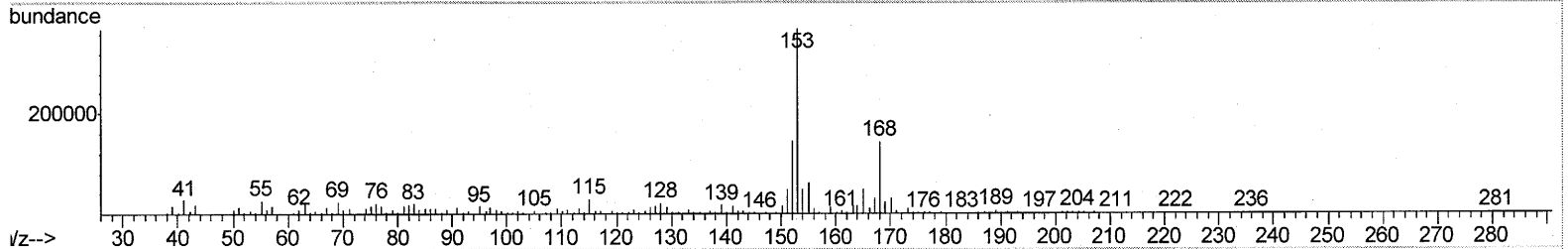
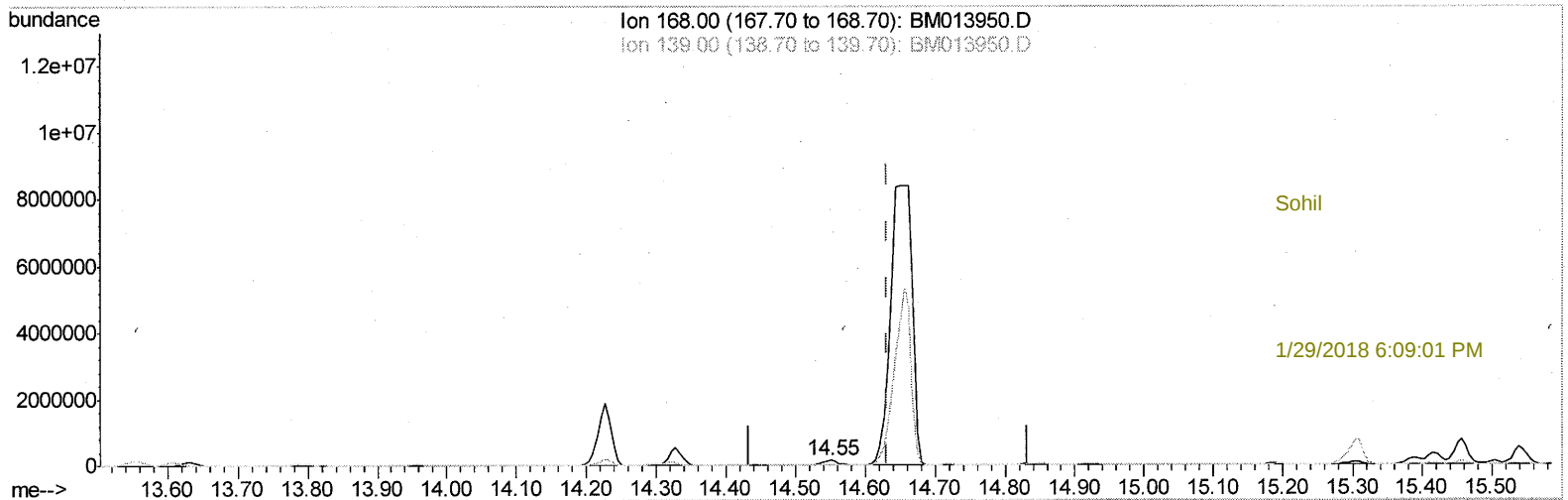
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:06:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



(53) Dibenzofuran

14.551min (-0.082) 3.84ng/ul

response 211255

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	12.21#
0.00	0.00	0.00
0.00	0.00	0.00

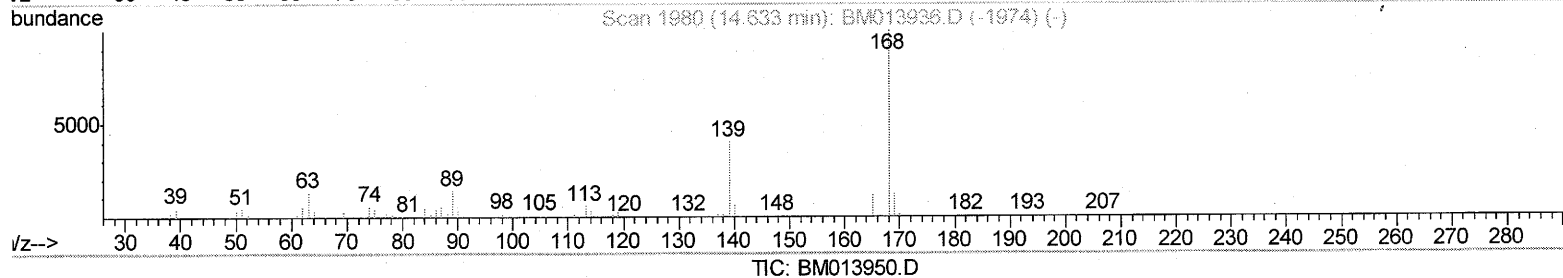
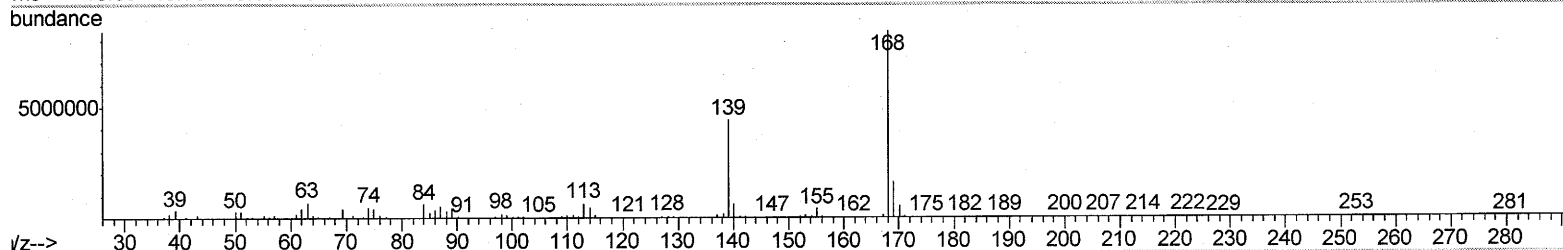
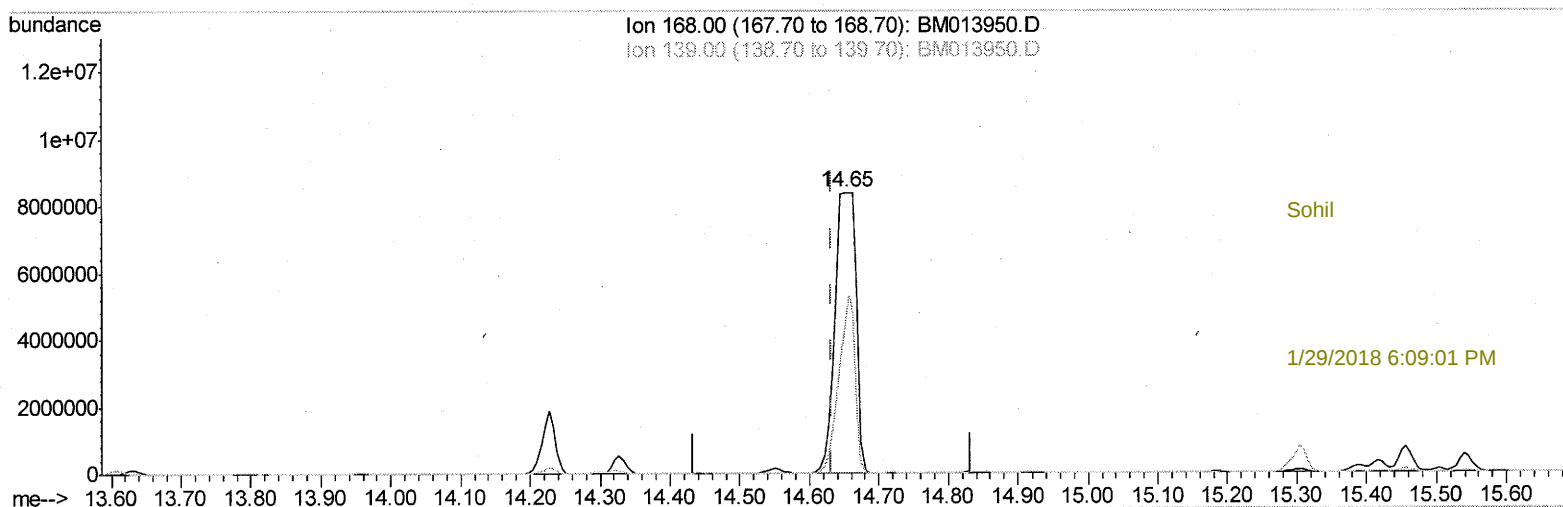
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013950.D
Acq On : 29 Jan 2018 07:47
Operator : SJ/JU
Sample : J1243-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6B34

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:06:59 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration



(53) Dibenzofuran

14.651min (+0.018) 325.40ng/ul m

response 17921681

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	52.67#
0.00	0.00	0.00
0.00	0.00	0.00

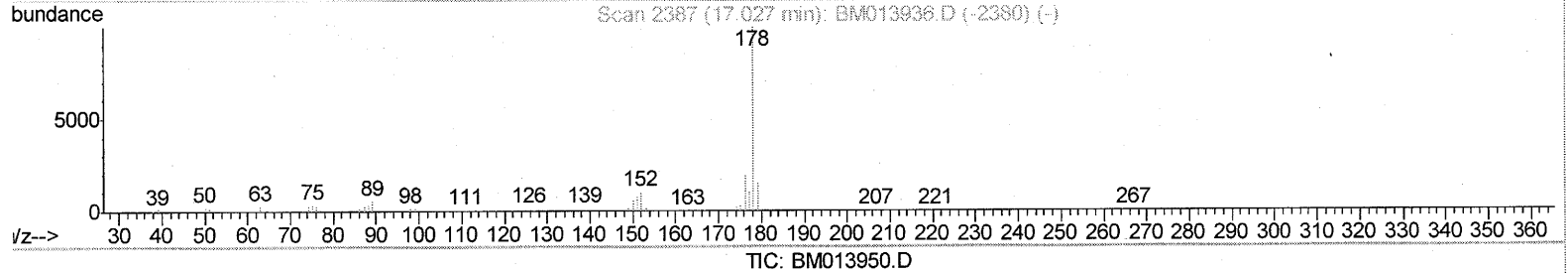
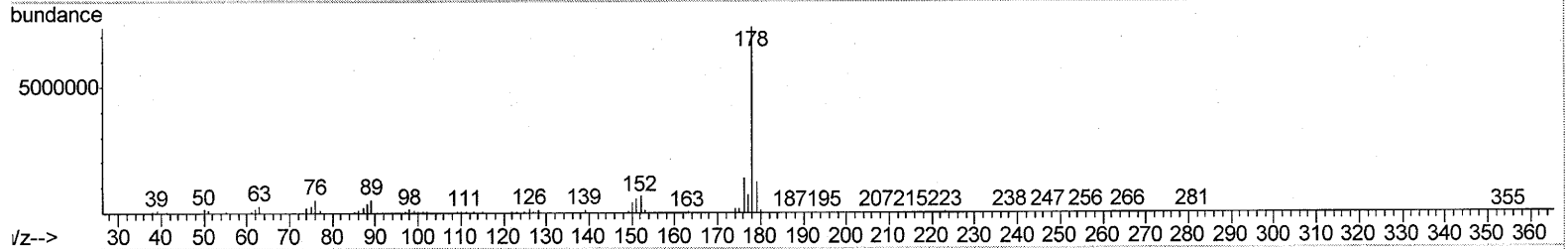
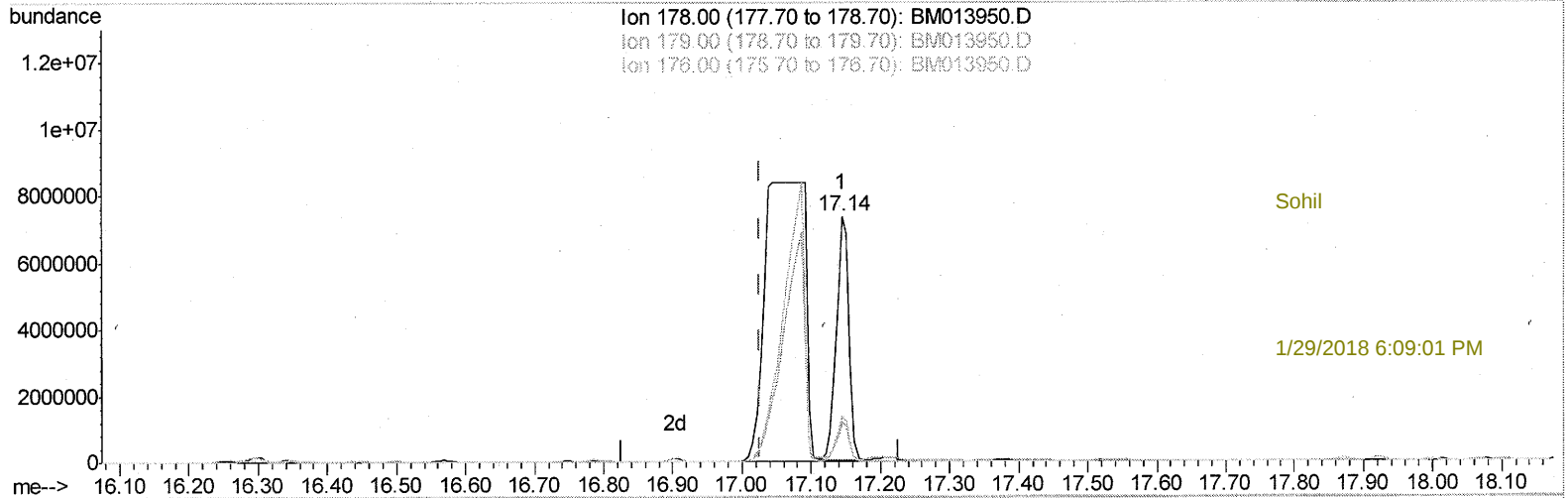
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:06:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



(69) Phenanthrene

17.145min (+0.118) 221.81ng/ul

response 9227028

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	16.12
176.00	18.60	18.44
0.00	0.00	0.00

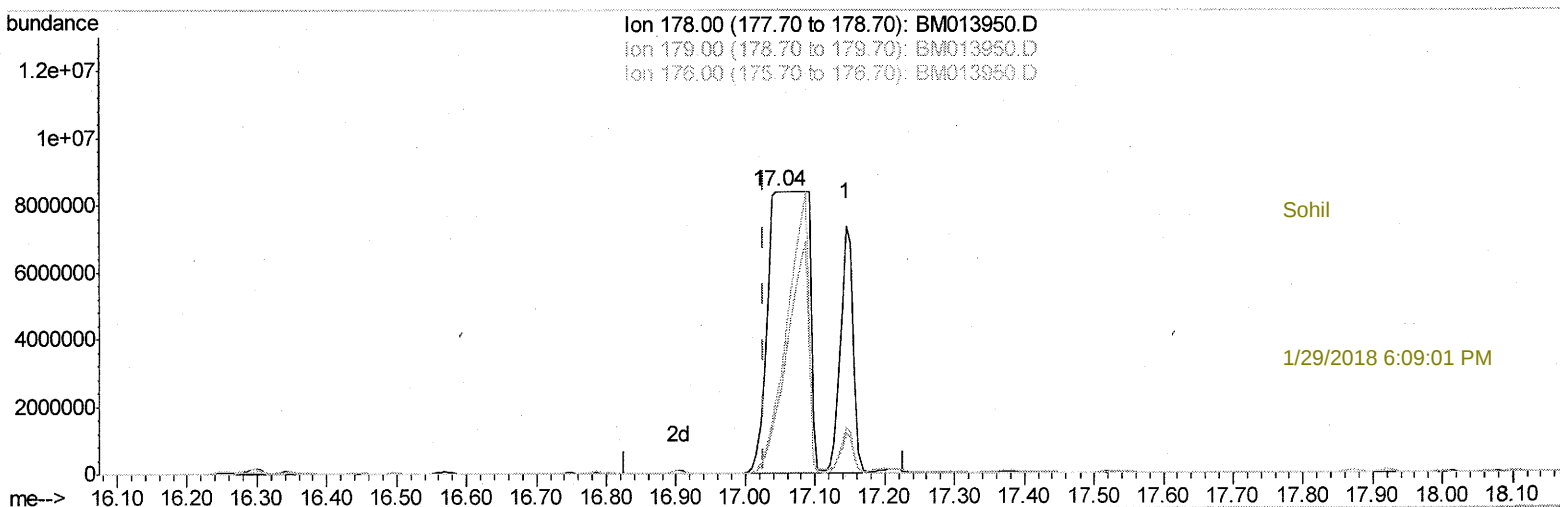
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

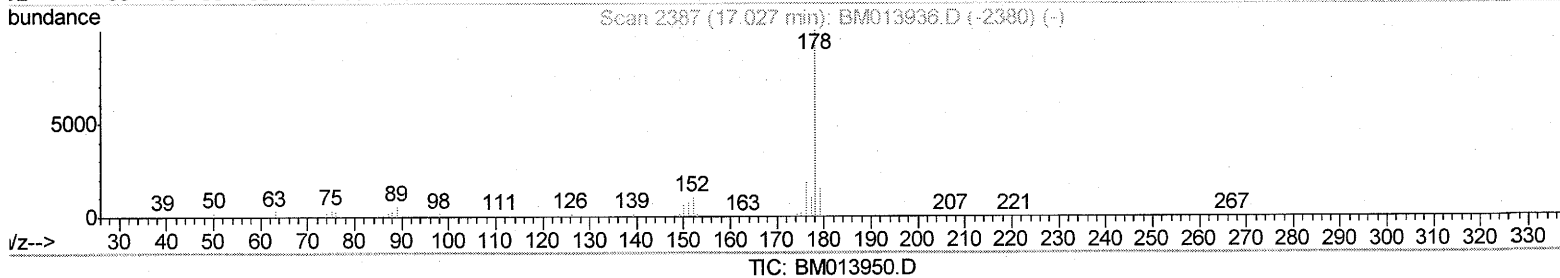
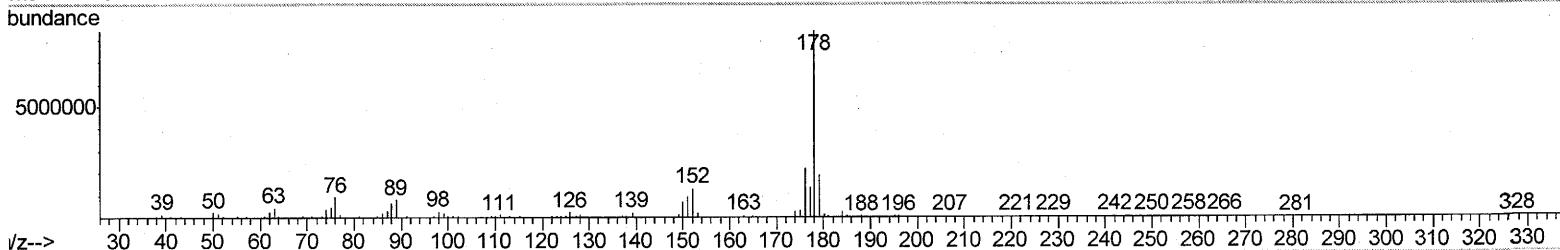
Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:06:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM



TIC: BM013950.D

(69) Phenanthrene

17.045min (+0.018) 814.09ng/ul m

response 33865844

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	22.51#
176.00	18.60	26.28#
0.00	0.00	0.00

Handwritten signature/initials

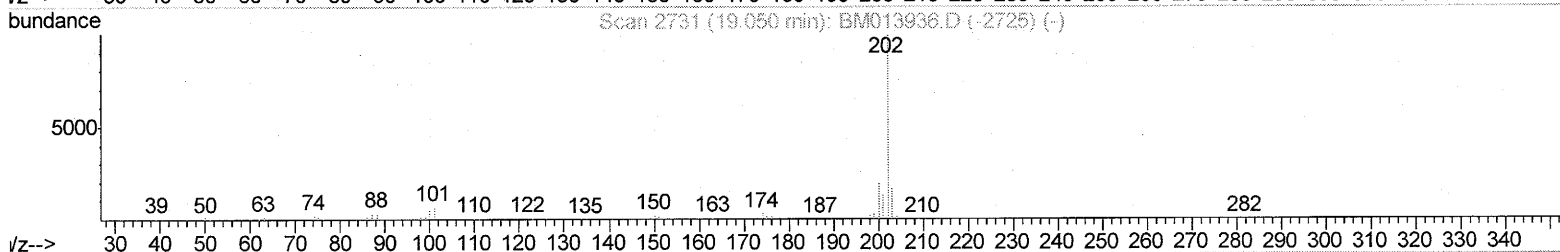
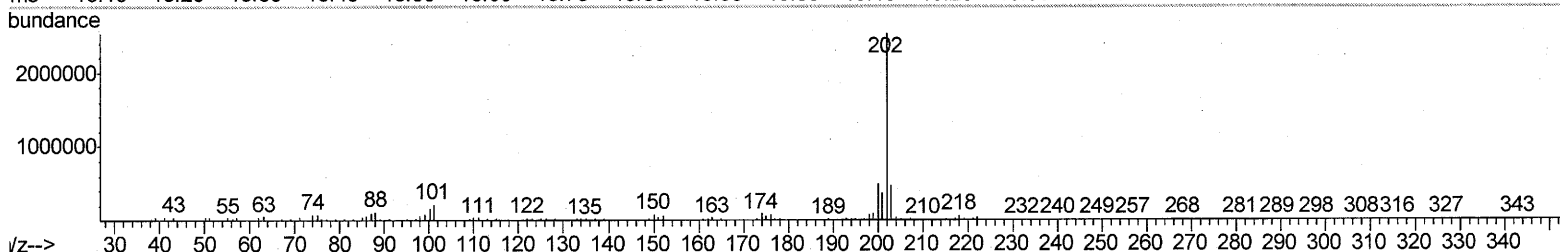
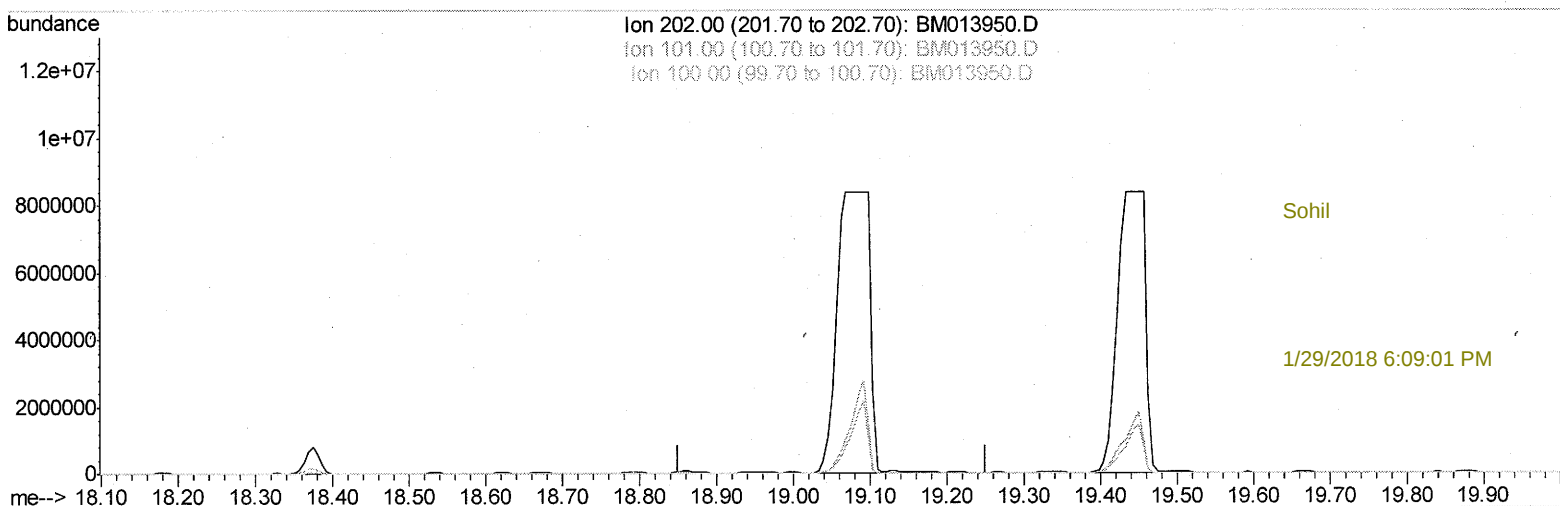
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013950.D
Acq On : 29 Jan 2018 07:47
Operator : SJ/JU
Sample : J1243-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F6B34

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:46:32 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration



TIC: BM013950.D

(74) Fluoranthene (C)

19.050min (-19.050) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	5.80	0.00#
100.00	4.30	0.00#
0.00	0.00	0.00

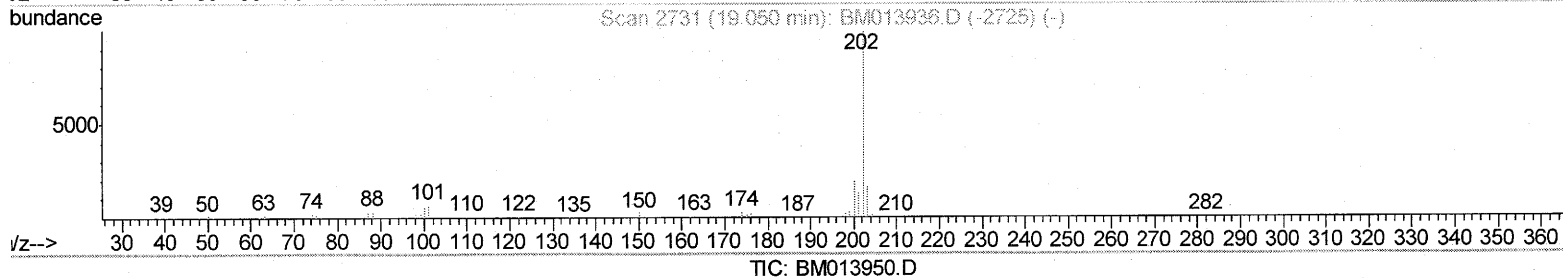
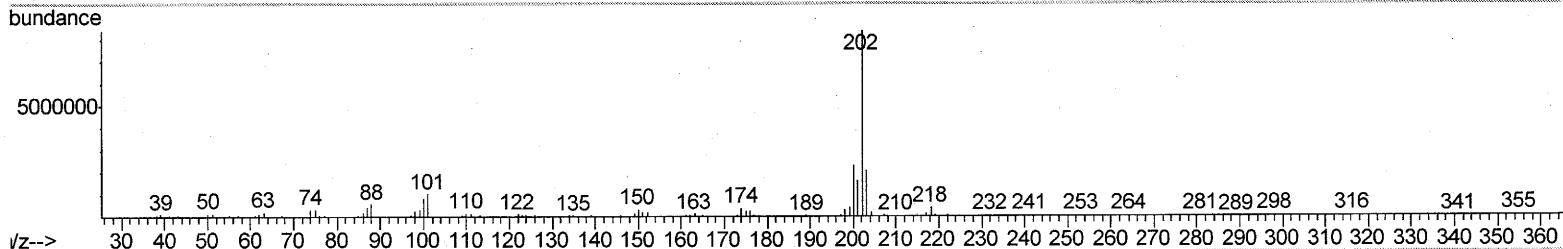
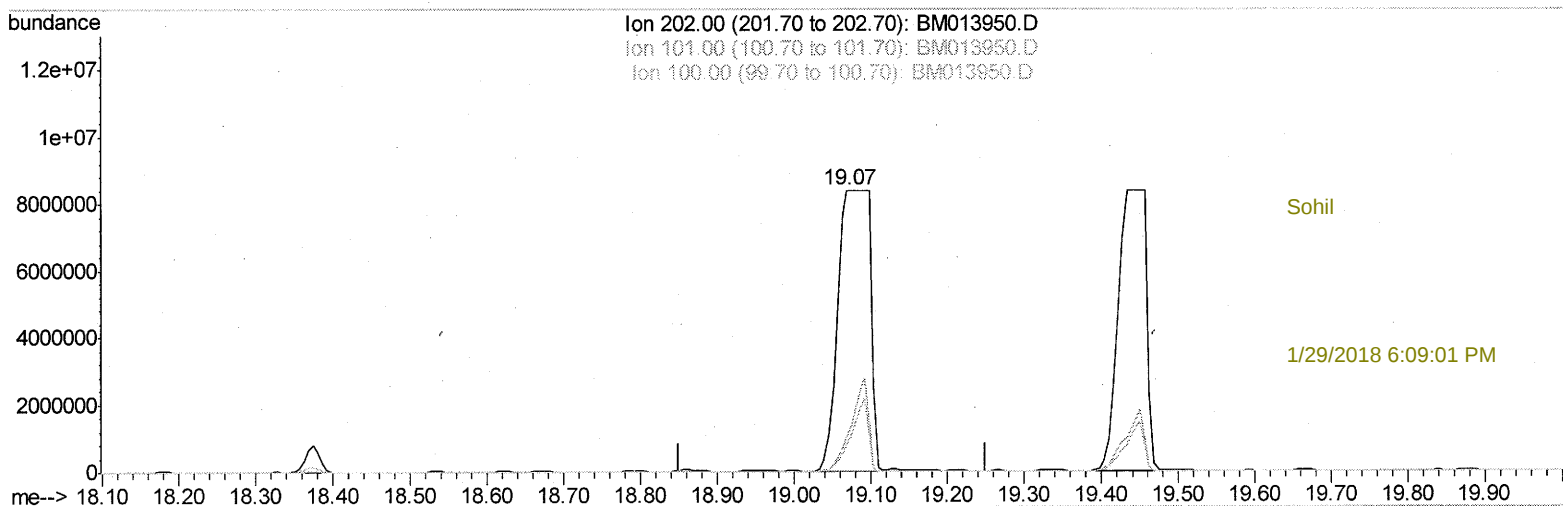
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F6B34

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:46:32 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



(74) Fluoranthene (C)

19.068min (+0.018) 495.09ng/ul m

response 24584534

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	12.19#
100.00	4.30	9.58#
0.00	0.00	0.00

2001/28/18

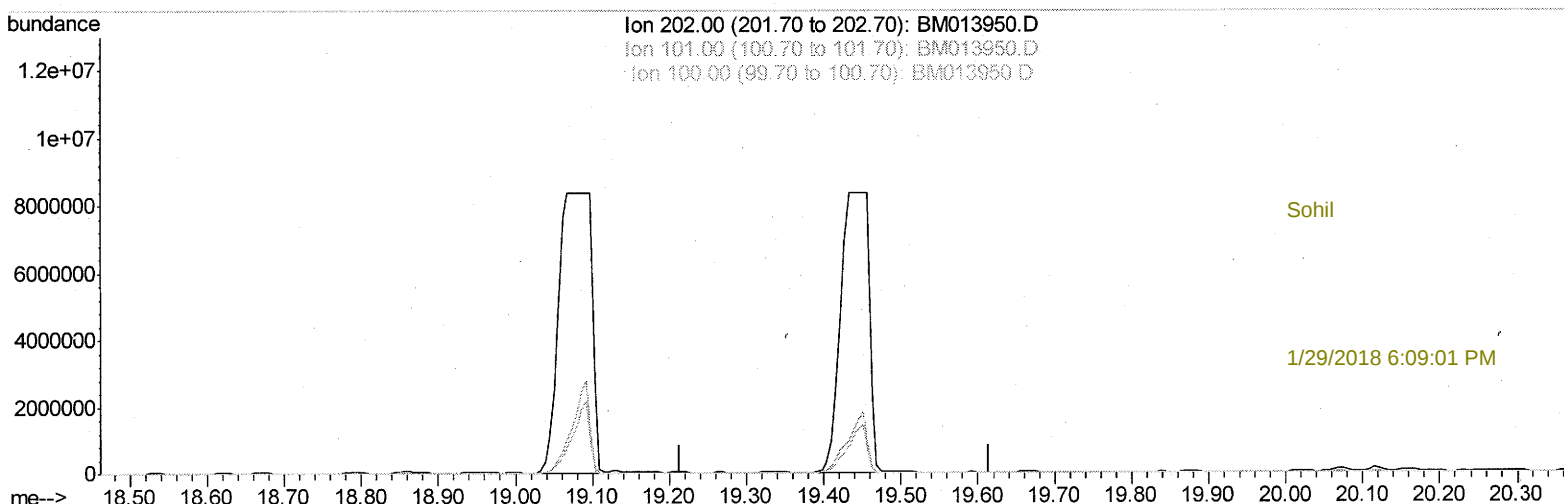
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6B34

Manual Integrations
 APPROVED

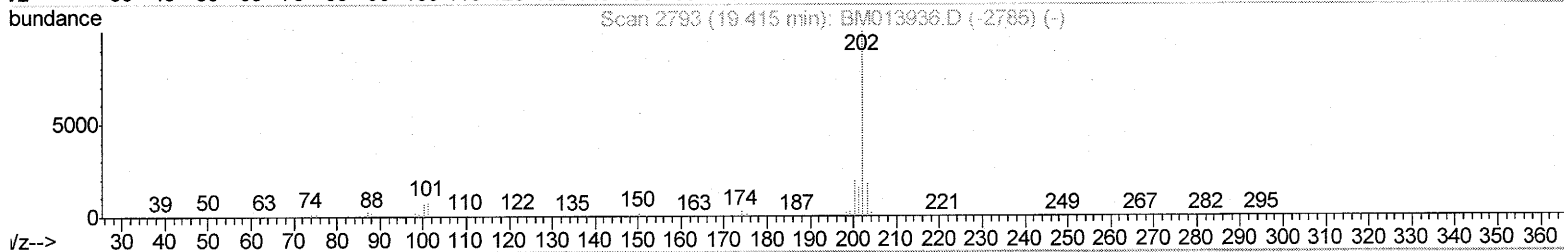
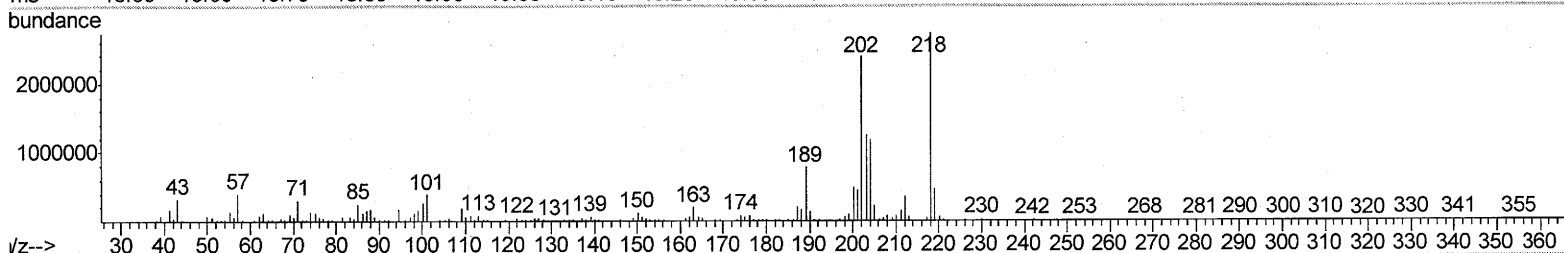
Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:46:32 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM



TIC: BM013950.D

(77) Pyrene

19.415min (-19.415) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	6.40	0.00#
100.00	6.10	0.00#
0.00	0.00	0.00

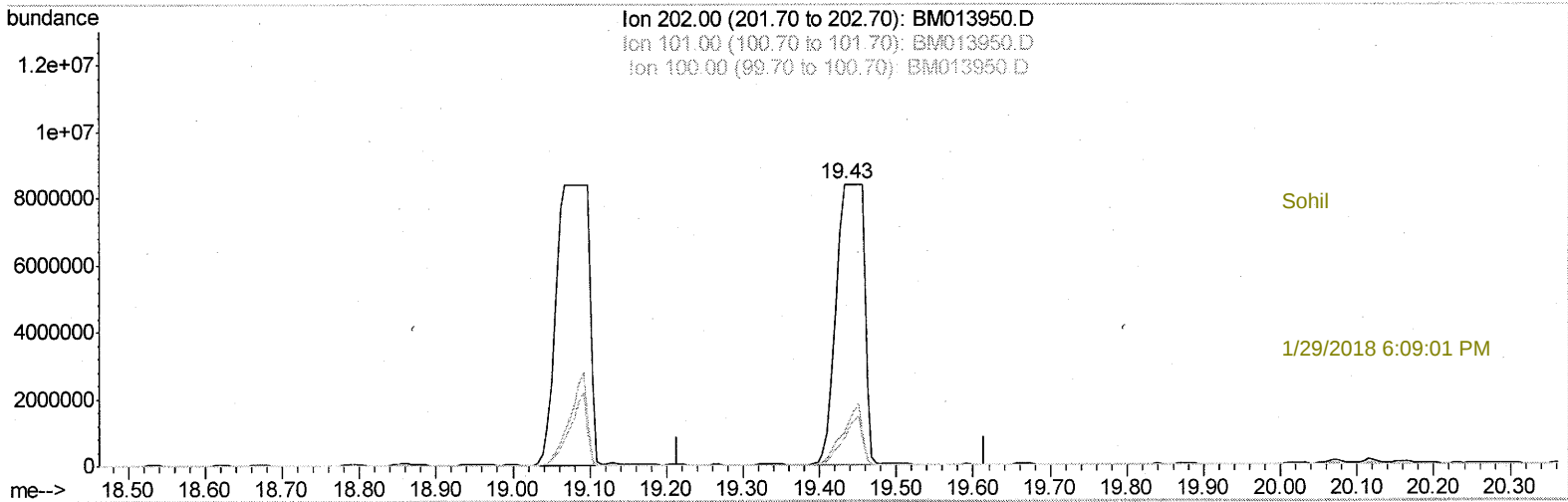
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

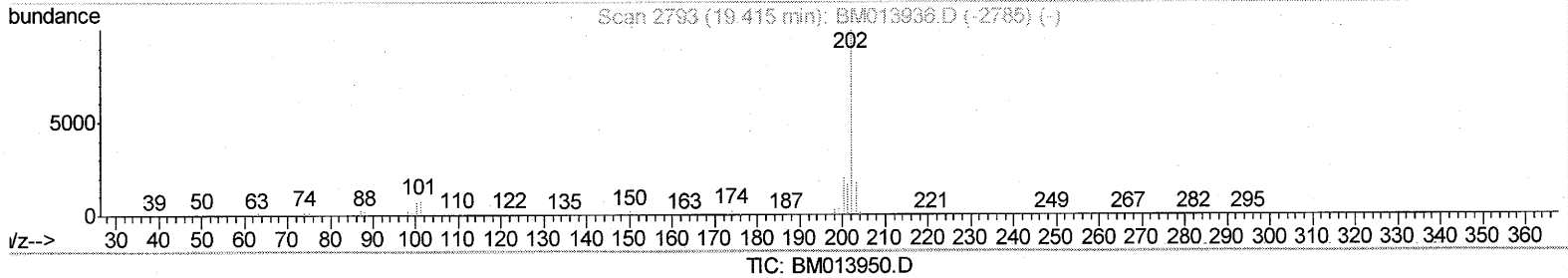
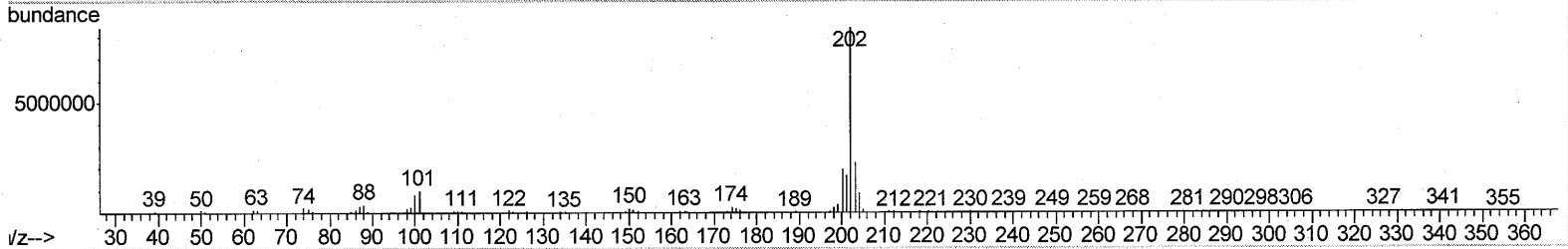
Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:46:32 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM



(77) Pyrene

19.433min (+0.018) 427.86ng/ul m

response 21225193

Ion	Exp%	Act%
202.00	100	100
101.00	6.40	11.90#
100.00	6.10	9.53#
0.00	0.00	0.00

201/28/18

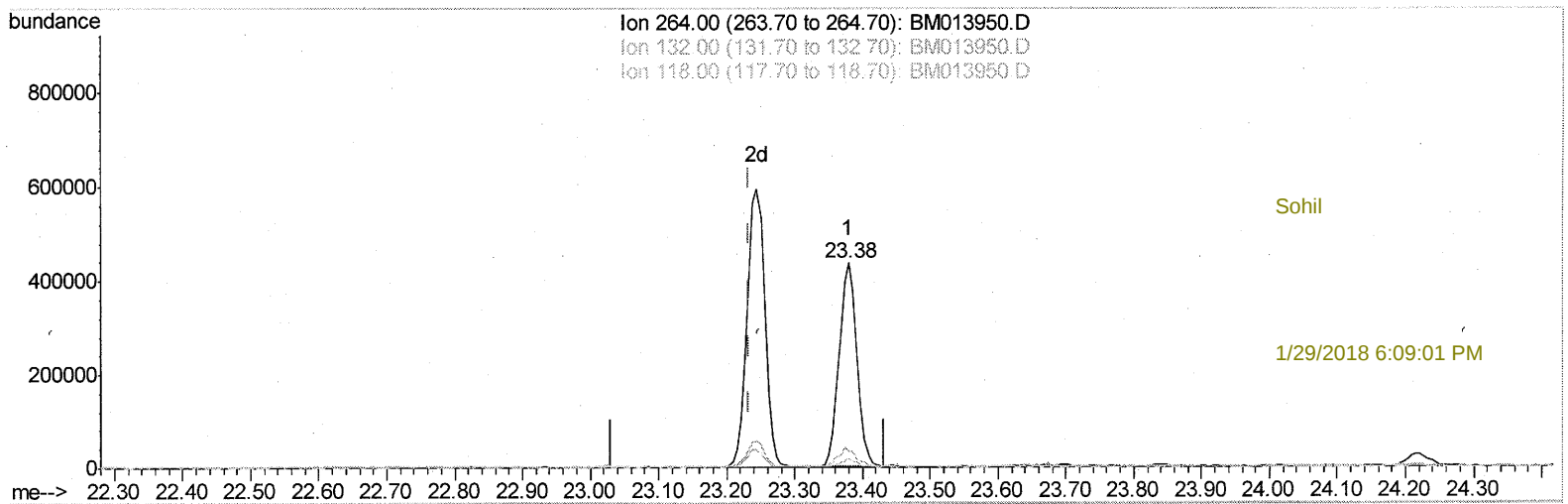
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

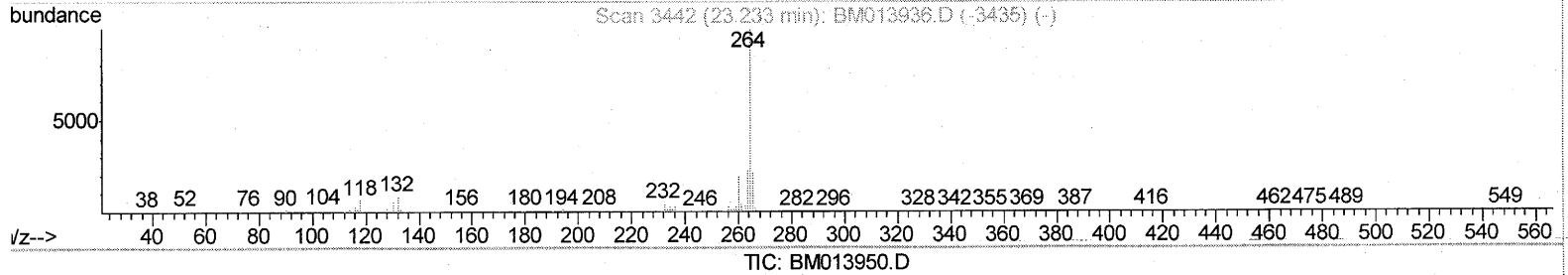
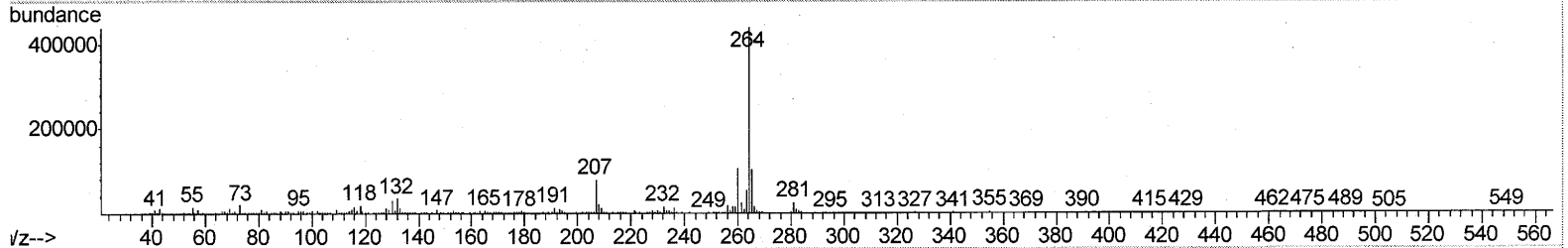
Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:46:32 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM



TIC: BM013950.D

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

23.380min (+0.147) 21.67ng/ul

response 790894

Ion	Exp%	Act%
264.00	100	100
132.00	7.70	8.27
118.00	5.30	4.30
0.00	0.00	0.00

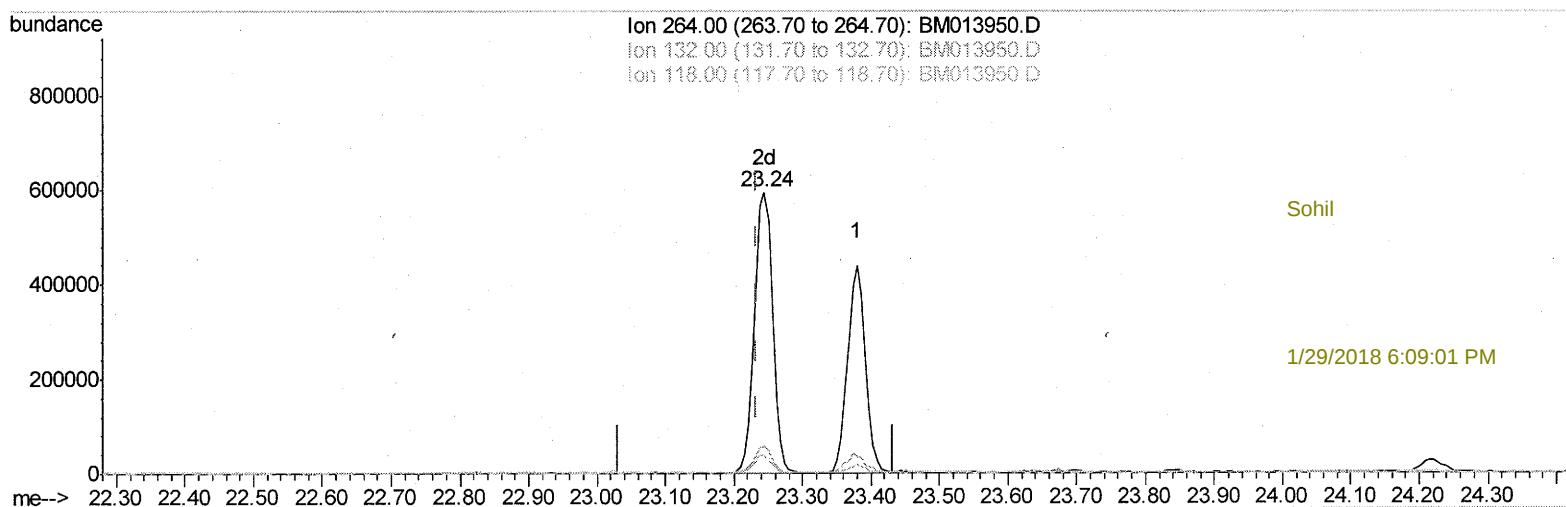
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

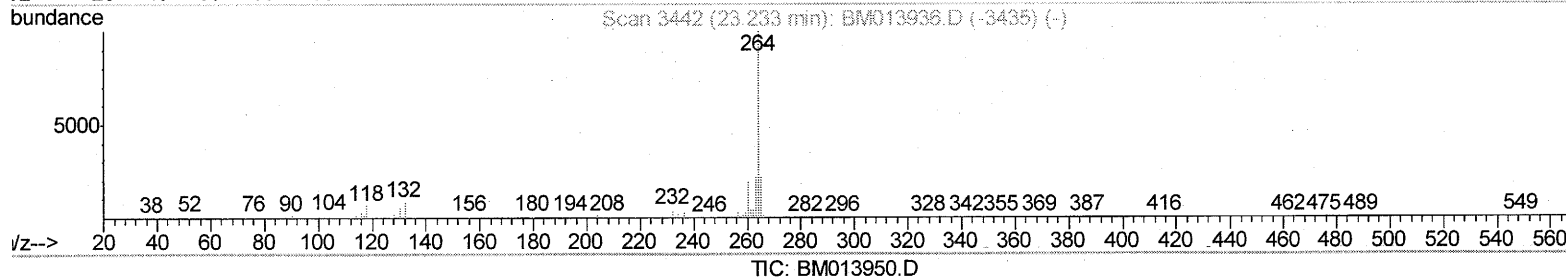
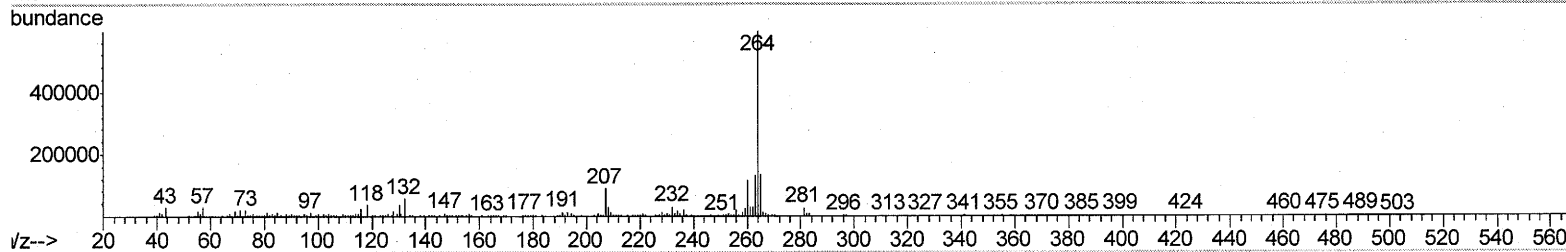
Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:46:32 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM



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

23.244min (+0.012) 29.70ng/ul m

response 1083809

Ion	Exp%	Act%
264.00	100	100
132.00	7.70	9.49#
118.00	5.30	6.19
0.00	0.00	0.00

Real 29/18

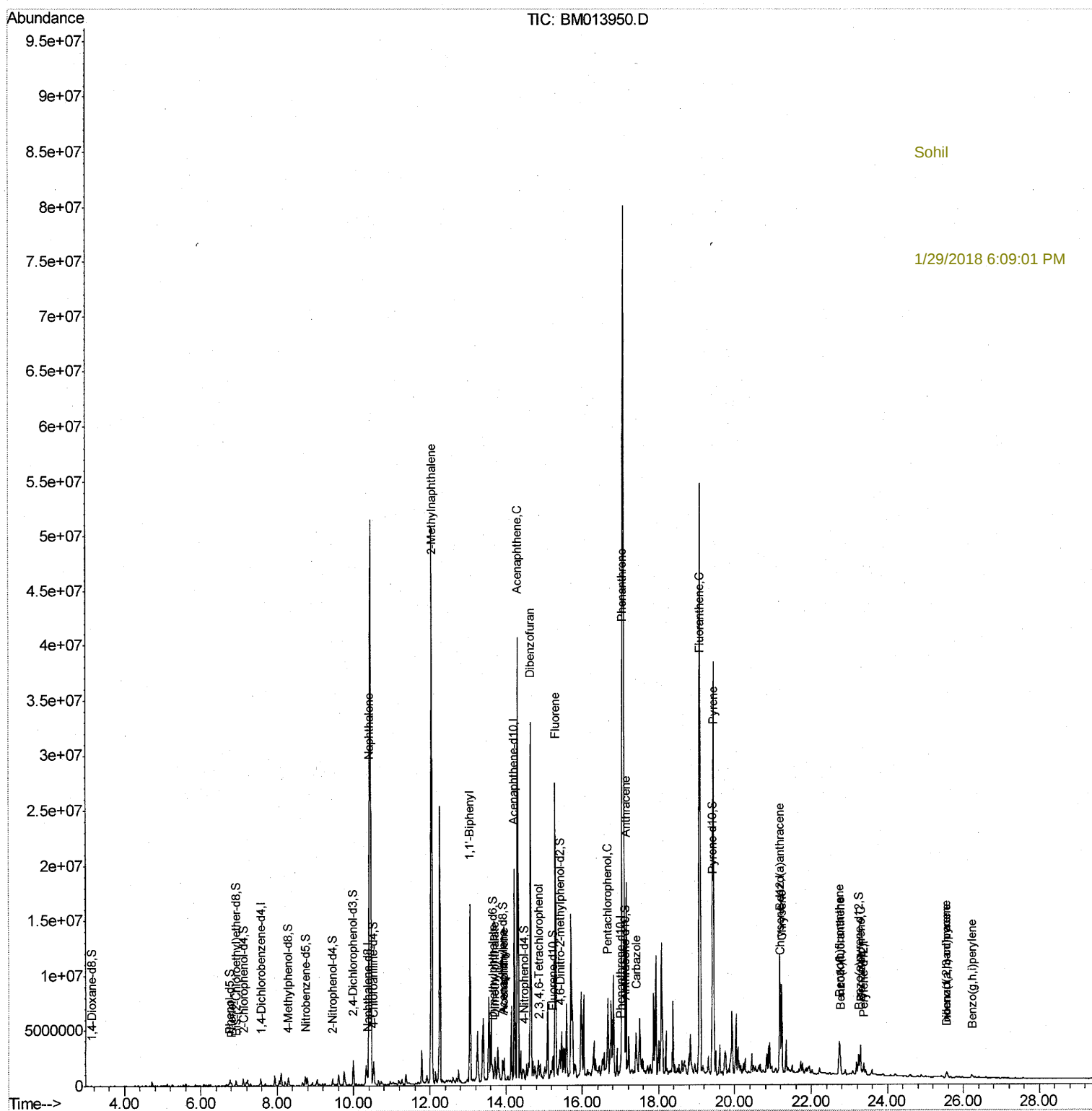
Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013950.D
Acq On : 29 Jan 2018 07:47
Operator : SJ/JU
Sample : J1243-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6B34

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:01 PM

Quant Time: Jan 29 15:01:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM

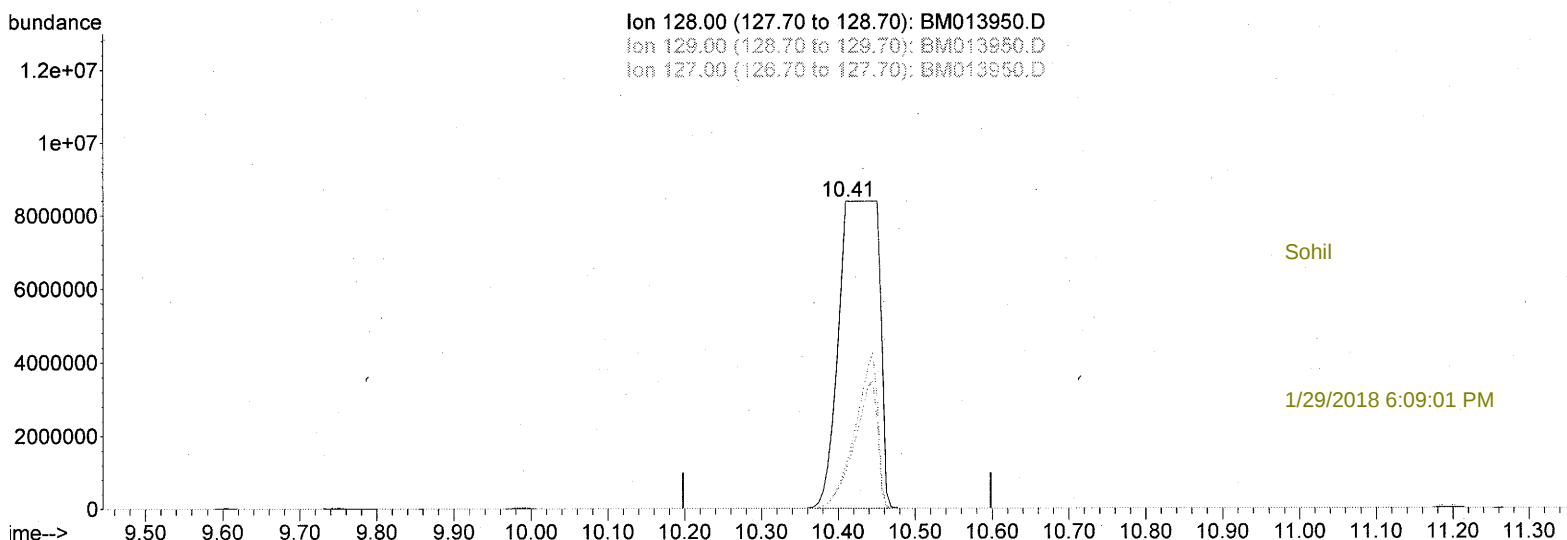
Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

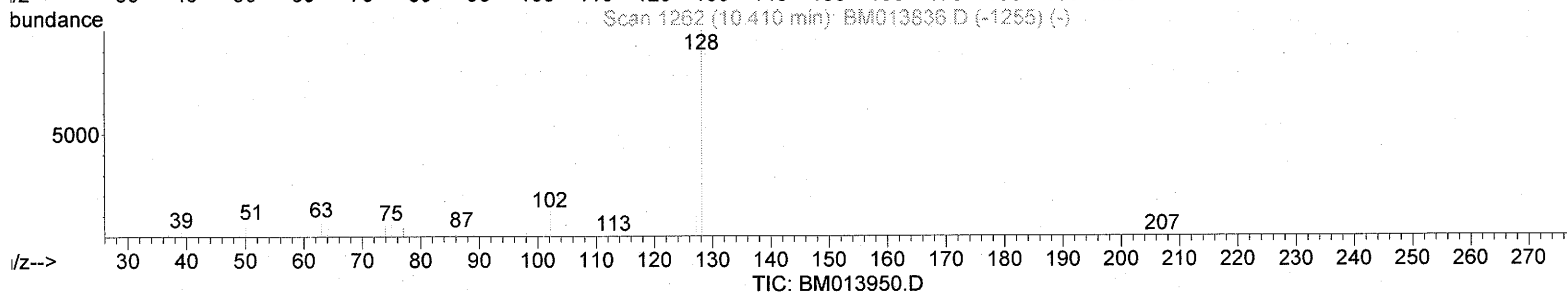
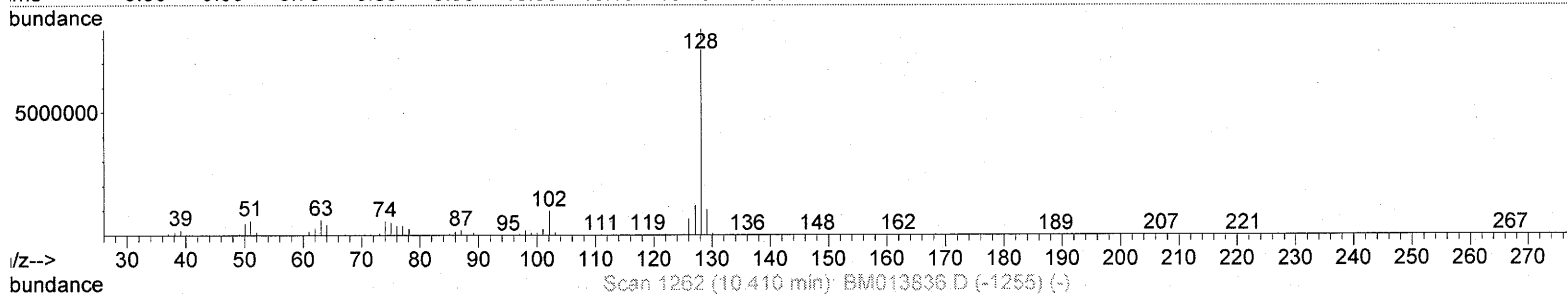
Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:50:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM



(28) Naphthalene

10.410min (+0.012) 1026.44ng/ul m

response 30526528

Ion	Exp%	Act%
128.00	100	100
129.00	11.00	12.21
127.00	13.30	14.15
0.00	0.00	0.00

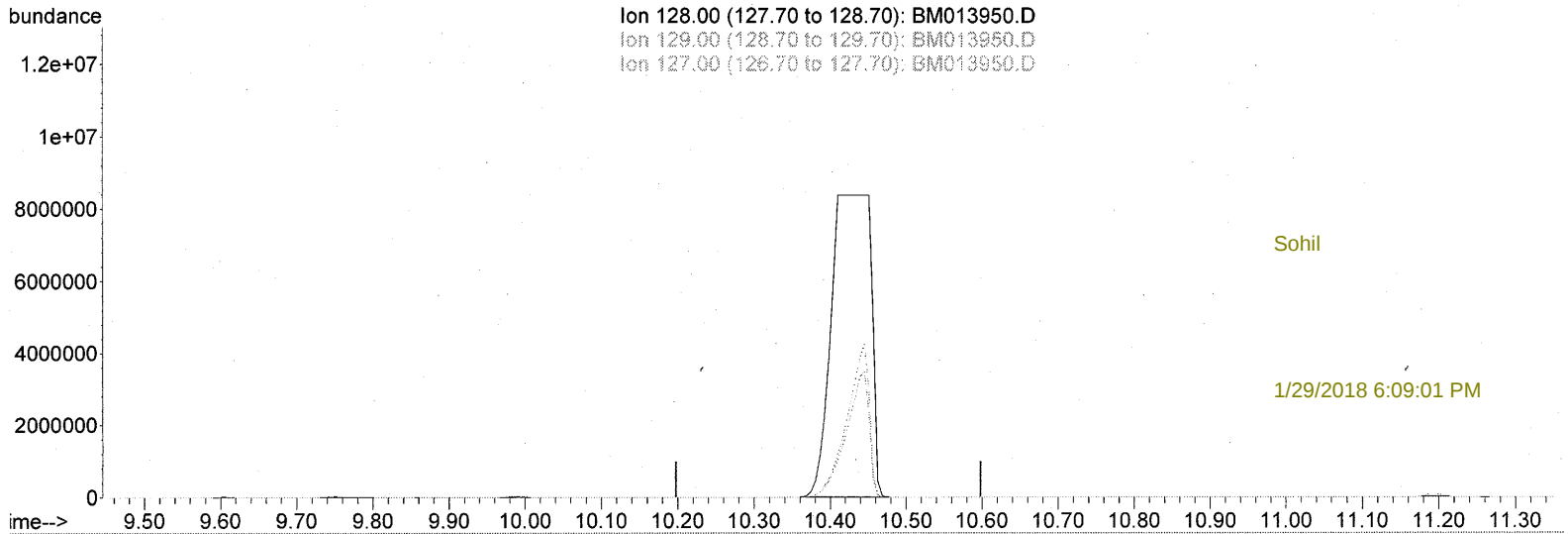
Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

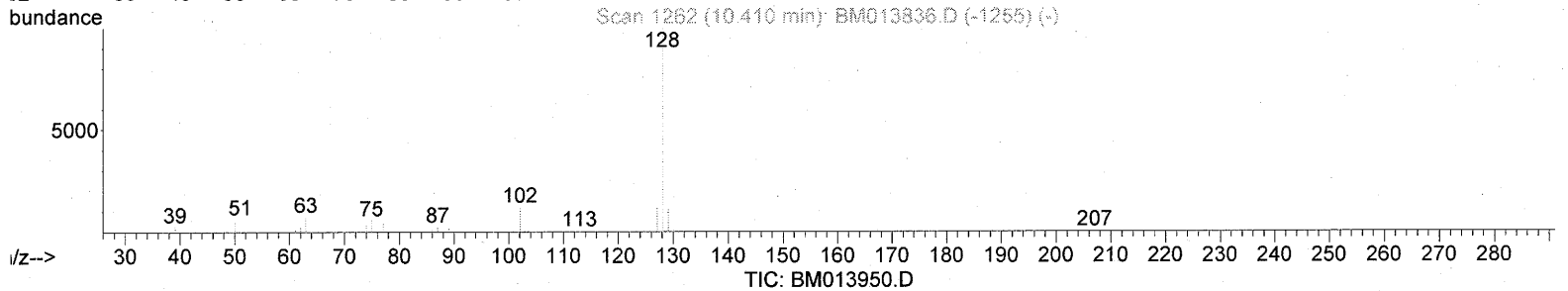
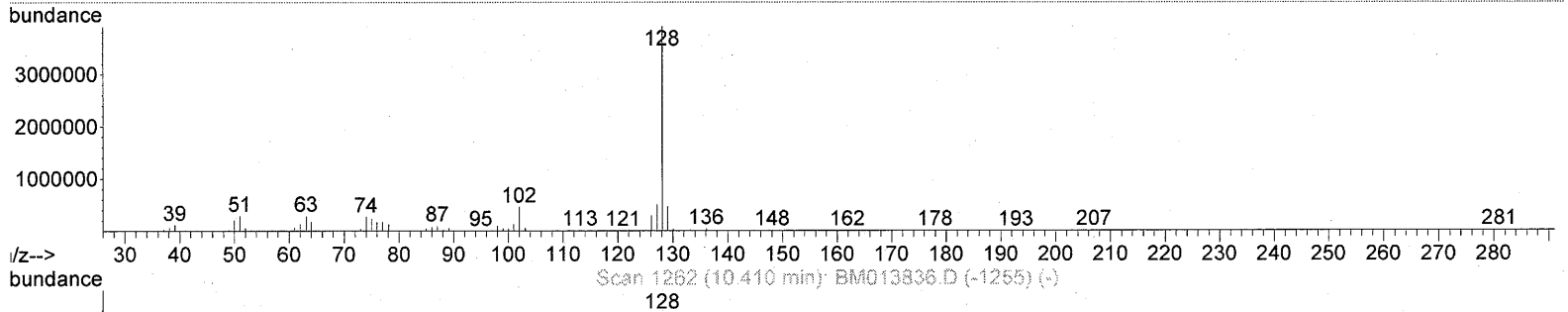
Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:50:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



Sohil

1/29/2018 6:09:01 PM



(28) Naphthalene

10.398min (-10.398) 0.00ng/ul

response 0

Ion	Exp%	Act%
128.00	100	0.00
129.00	11.00	0.00#
127.00	13.30	0.00#
0.00	0.00	0.00

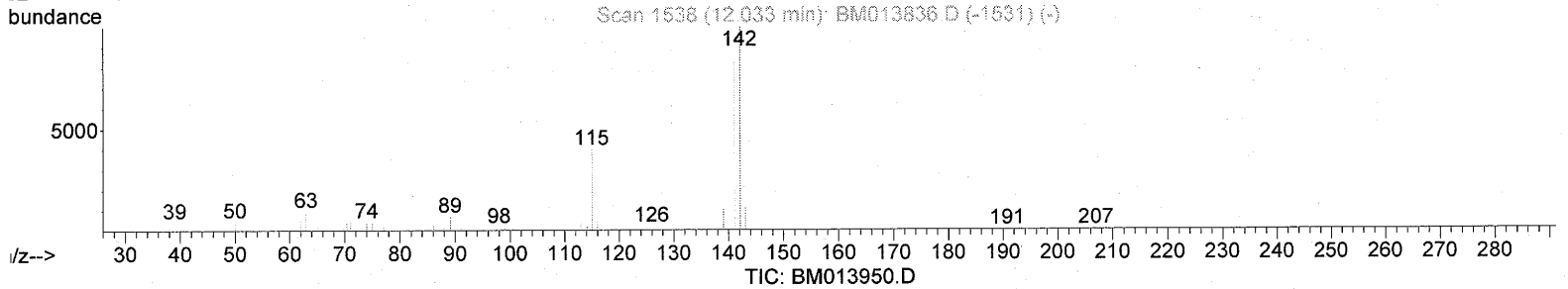
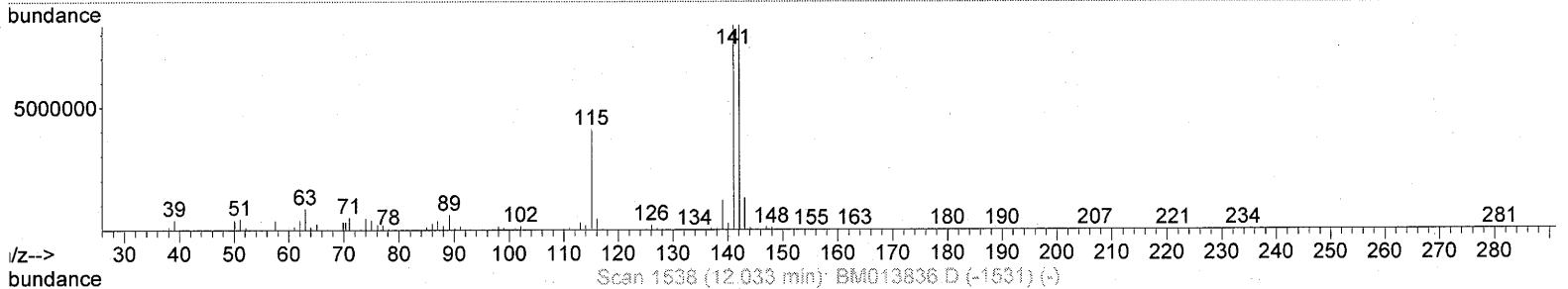
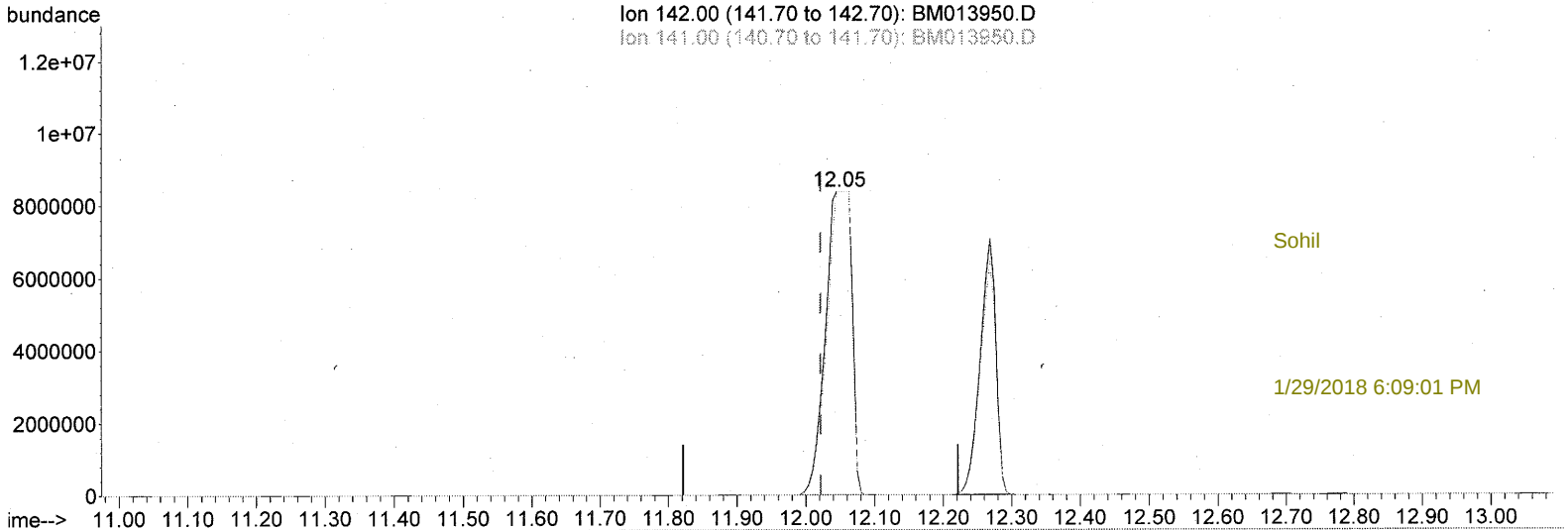
Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:50:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration



(34) 2-Methylnaphthalene

12.045min (+0.024) 996.59ng/ul m

response 22097637

Ion	Exp%	Act%
142.00	100	100
141.00	92.60	100.00
0.00	0.00	0.00
0.00	0.00	0.00

Real/28/18

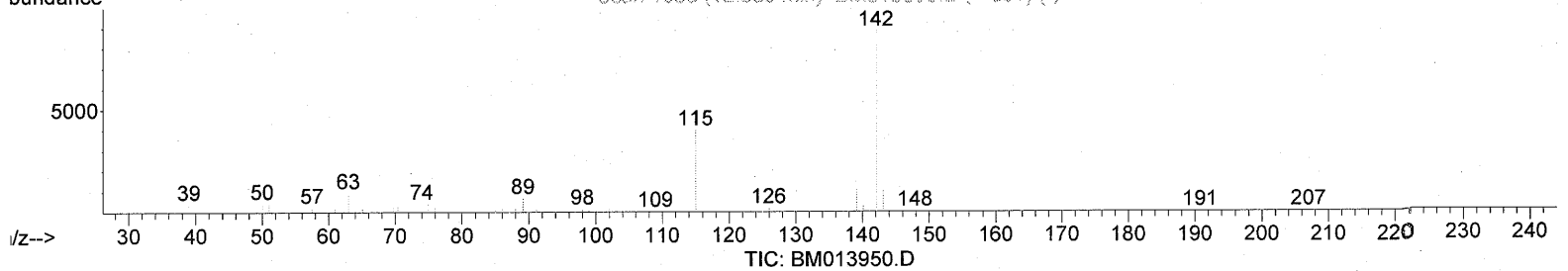
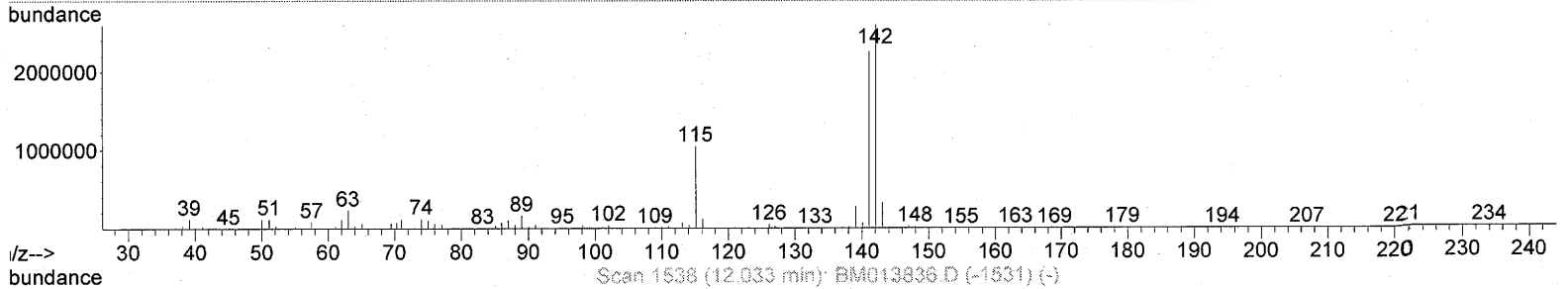
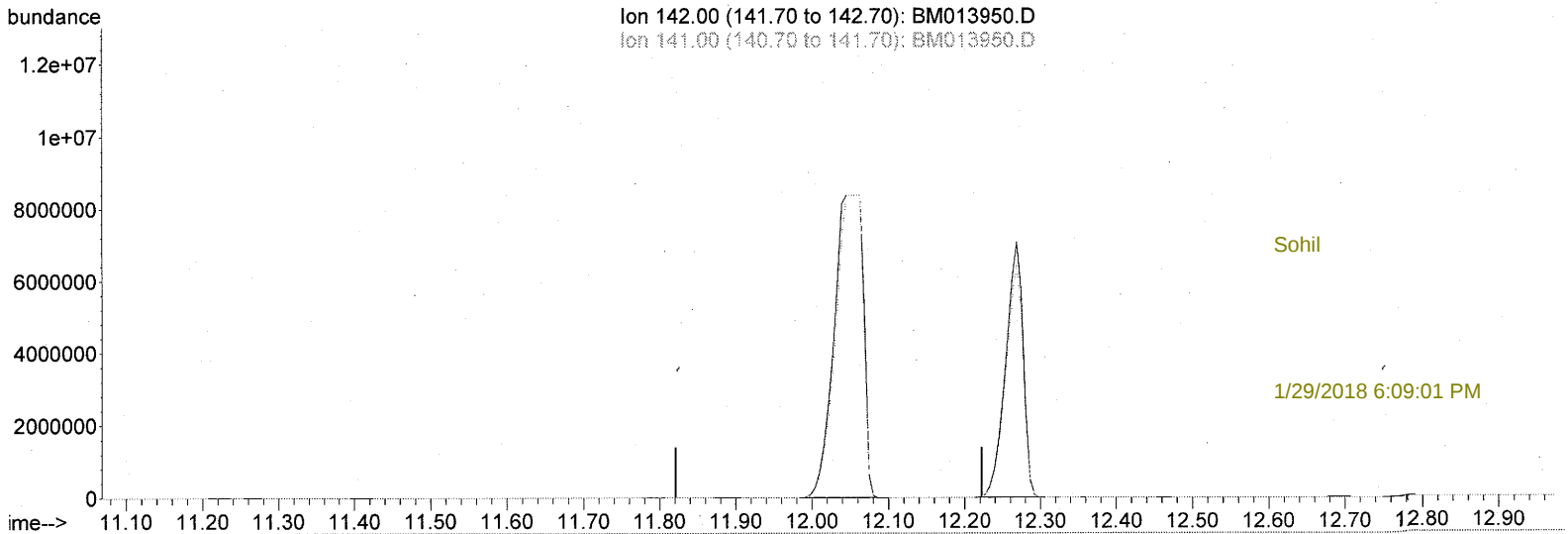
Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013950.D
Acq On : 29 Jan 2018 07:47
Operator : SJ/JU
Sample : J1243-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F6B34

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:01 PM

Quant Time: Jan 29 10:50:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration



(34) 2-Methylnaphthalene

12.021min (-12.021) 0.00ng/ul

response 0

Ion	Exp%	Act%
142.00	100	0.00
141.00	92.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 15:01:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	162538	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	597794	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	549706	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	748380	20.00	ng/ul	0.01
75) Chrysene-d12	21.20	240	816018	20.00	ng/ul	0.01
83) Perylene-d12	23.38	264	793927	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	14036	3.41	ng/uL	0.00
5) Phenol-d5	6.76	99	293115	23.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	189261	25.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	258997	25.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	239045	24.92	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	136048	29.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	148683	30.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	279677	29.54	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	209564	25.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	793154	17.51	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	955407	16.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	90283	12.26	ng/ul	0.00
57) Fluorene-d10	15.23	176	655354	16.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	67145	14.91	ng/ul	0.04
70) Anthracene-d10	17.11	188	1002670	27.51	ng/ul	0.03
76) Pyrene-d10	19.40	212	1180355	31.07	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.24	264	1083809m	29.70	ng/ul	0.01

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Target Compounds

					Ovalue	
6) Phenol	6.79	94	41325	3.302	ng/ul#	85
28) Naphthalene	10.41	128	30526528m	1026.441	ng/ul	
34) 2-Methyl-naphthalene	12.05	142	22097637m	996.593	ng/ul	
40) 1,1'-Biphenyl	13.06	154	5979549	130.680	ng/ul	99
44) Dimethylphthalate	13.70	163	163223	3.664	ng/ul	99
47) Acenaphthylene	13.96	152	230231	4.355	ng/ul#	67
49) Acenaphthene	14.32	153	15628961	426.905	ng/ul	91
53) Dibenzofuran	14.65	168	17921681m	325.404	ng/ul	
55) 2,3,4,6-Tetrachlorophenol	14.87	232	69563	6.028	ng/ul#	82
58) Fluorene	15.30	166	12419740	275.292	ng/ul	99
68) Pentachlorophenol	16.67	266	958381	189.555	ng/ul	98
69) Phenanthrene	17.04	178	33865844m	814.095	ng/ul	
71) Anthracene	17.14	178	9227028	215.044	ng/ul	98
72) Carbazole	17.40	167	1683758	47.539	ng/ul	99
74) Fluoranthene	19.07	202	24584534m	495.093	ng/ul	
77) Pyrene	19.43	202	21225193m	427.857	ng/ul	
80) Benzo(a)anthracene	21.18	228	5478078	111.099	ng/ul	99
82) Chrysene	21.23	228	3893170	86.067	ng/ul	98
85) Benzo(b)fluoranthene	22.73	252	2396454	49.151	ng/ul#	99
86) Benzo(k)fluoranthene	22.77	252	910109	19.312	ng/ul#	98
88) Benzo(a)pyrene	23.29	252	1371294	29.772	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.56	276	415590	7.644	ng/ul	98
90) Dibenzo(a,h)anthracene	25.56	278	124843	2.719	ng/ul#	89

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Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Jan 29 15:01:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.22	276		268690	6.004	ng/ul#	95

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

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