

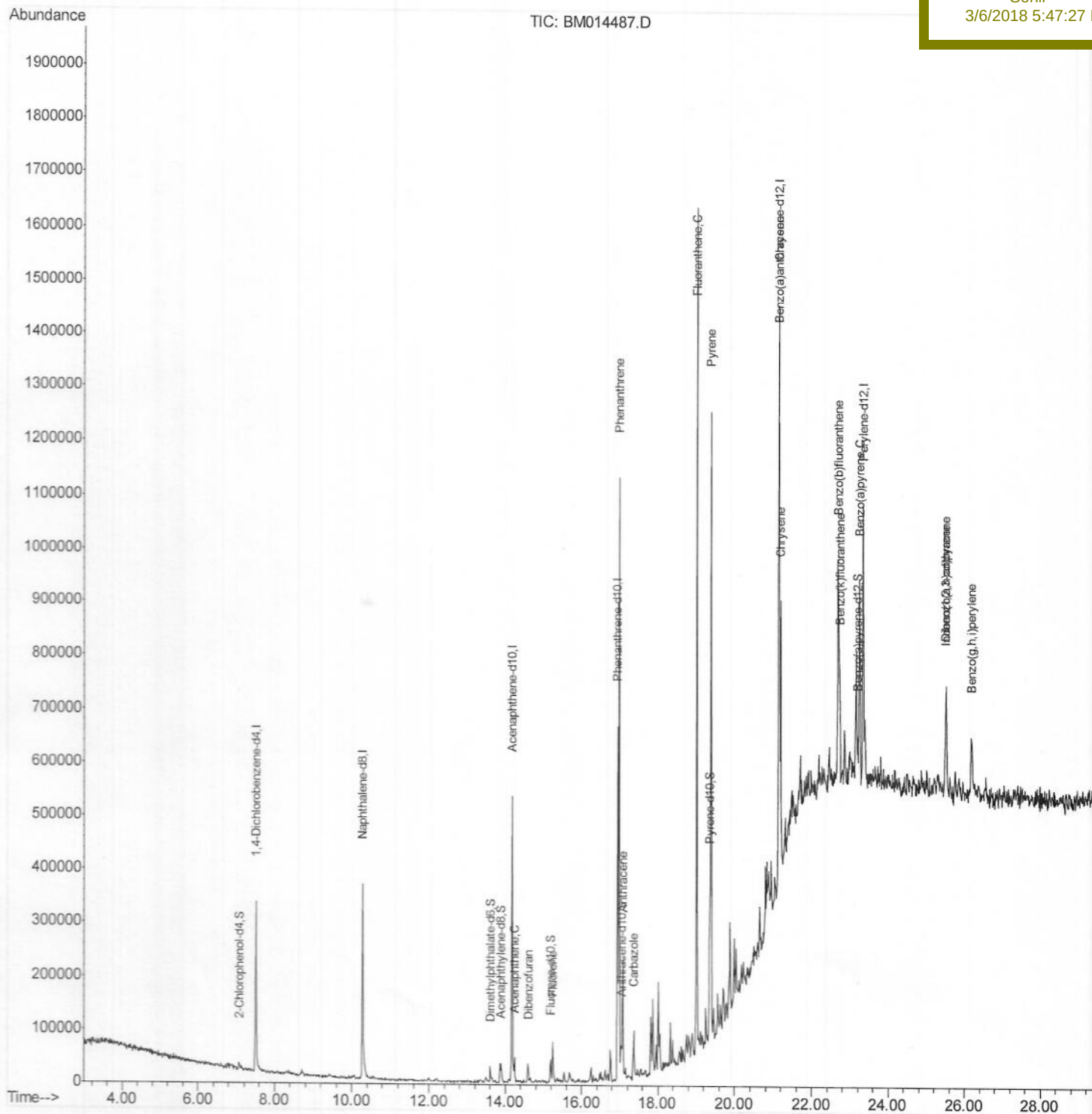
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
Data File : BM014487.D
Acq On : 05 Mar 2018 23:47
Operator : SJ/JU
Sample : J1678-21DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
Client Sampled :
BE5Z4DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:27 PM



Quantitation Report (Qedit)

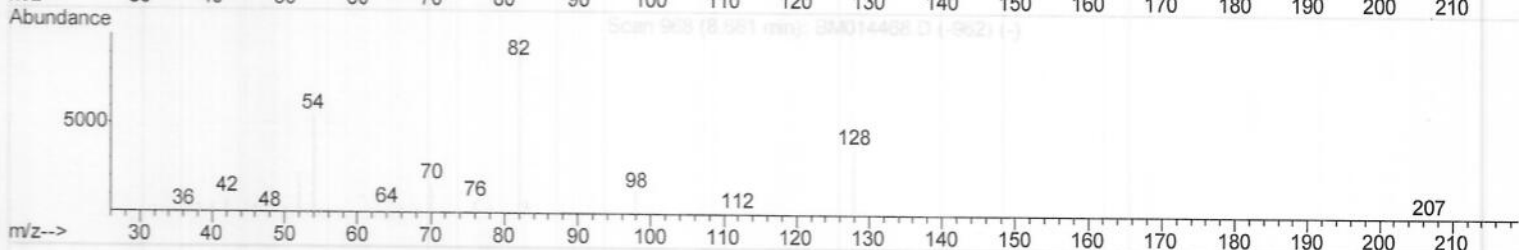
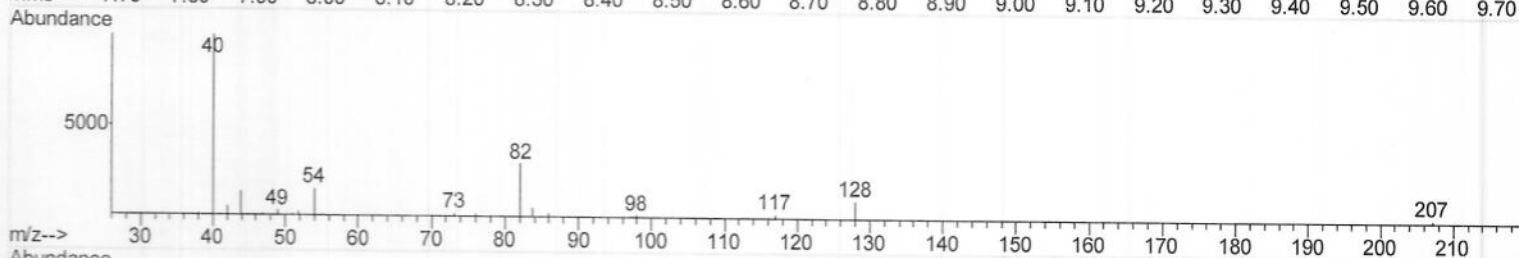
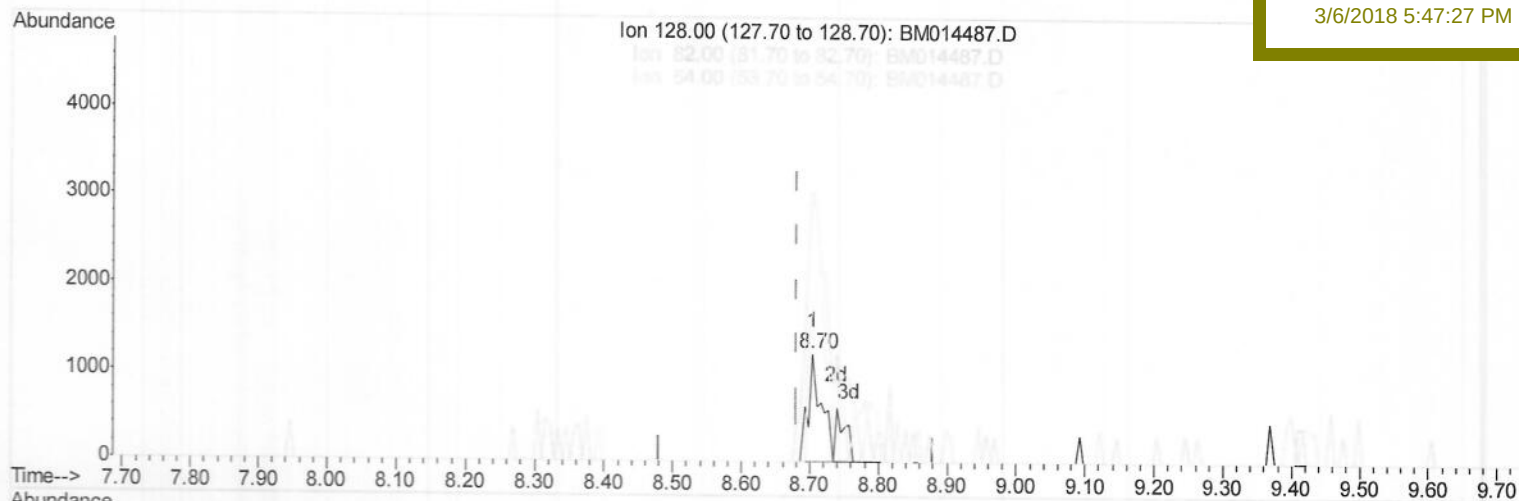
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
 Data File : BM014487.D
 Acq On : 05 Mar 2018 23:47
 Operator : SJ/JU
 Sample : J1678-21DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 Client Sampled :
 BE5Z4DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:27 PM



TIC: BM014487.D

(19) Nitrobenzene-d5 (S)
 8.704min (+0.023) 0.70ng/ul m
 response 1663

SJ
 03/06/18

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	249.76
54.00	142.70	138.70
0.00	0.00	0.00

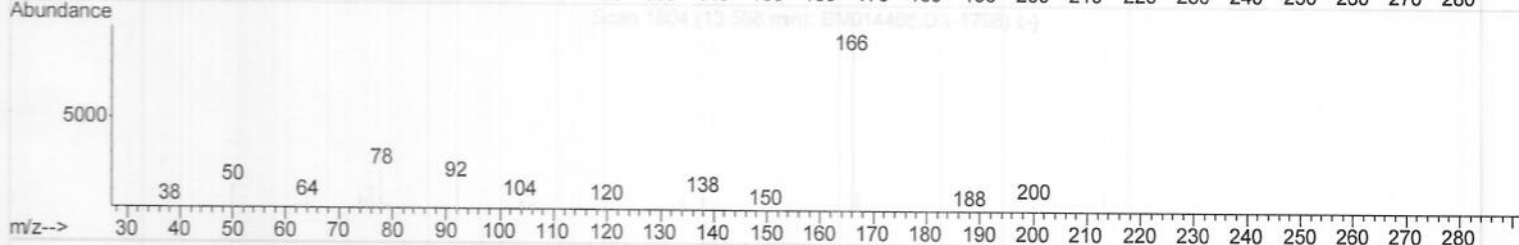
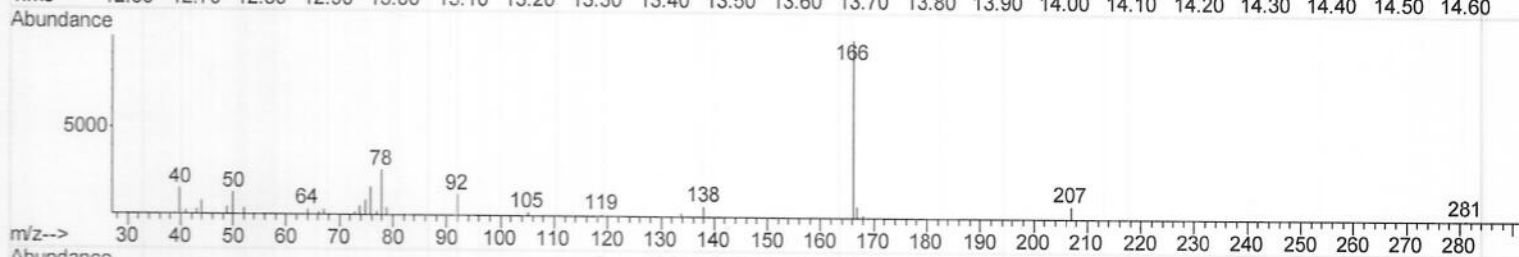
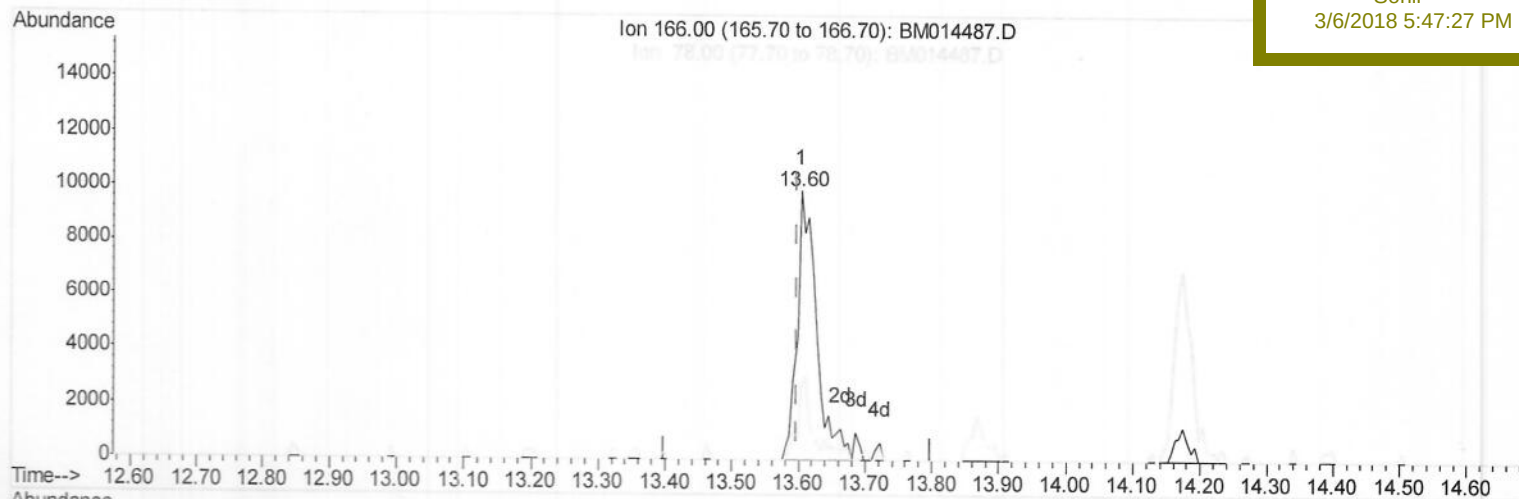
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
Data File : BM014487.D
Acq On : 05 Mar 2018 23:47
Operator : SJ/JU
Sample : J1678-21DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z4DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:27 PM



TIC: BM014487.D

(43) Dimethylphthalate-d6 (S)
13.604min (+0.006) 1.41ng/ul m
response 19952

Ion	Exp%	Act%
166.00	100	100
78.00	17.00	27.61#
0.00	0.00	0.00
0.00	0.00	0.00

SJ
03/06/18

Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
Data File : BM014487.D
Acq On : 05 Mar 2018 23:47
Operator : SJ/JU
Sample : J1678-21DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

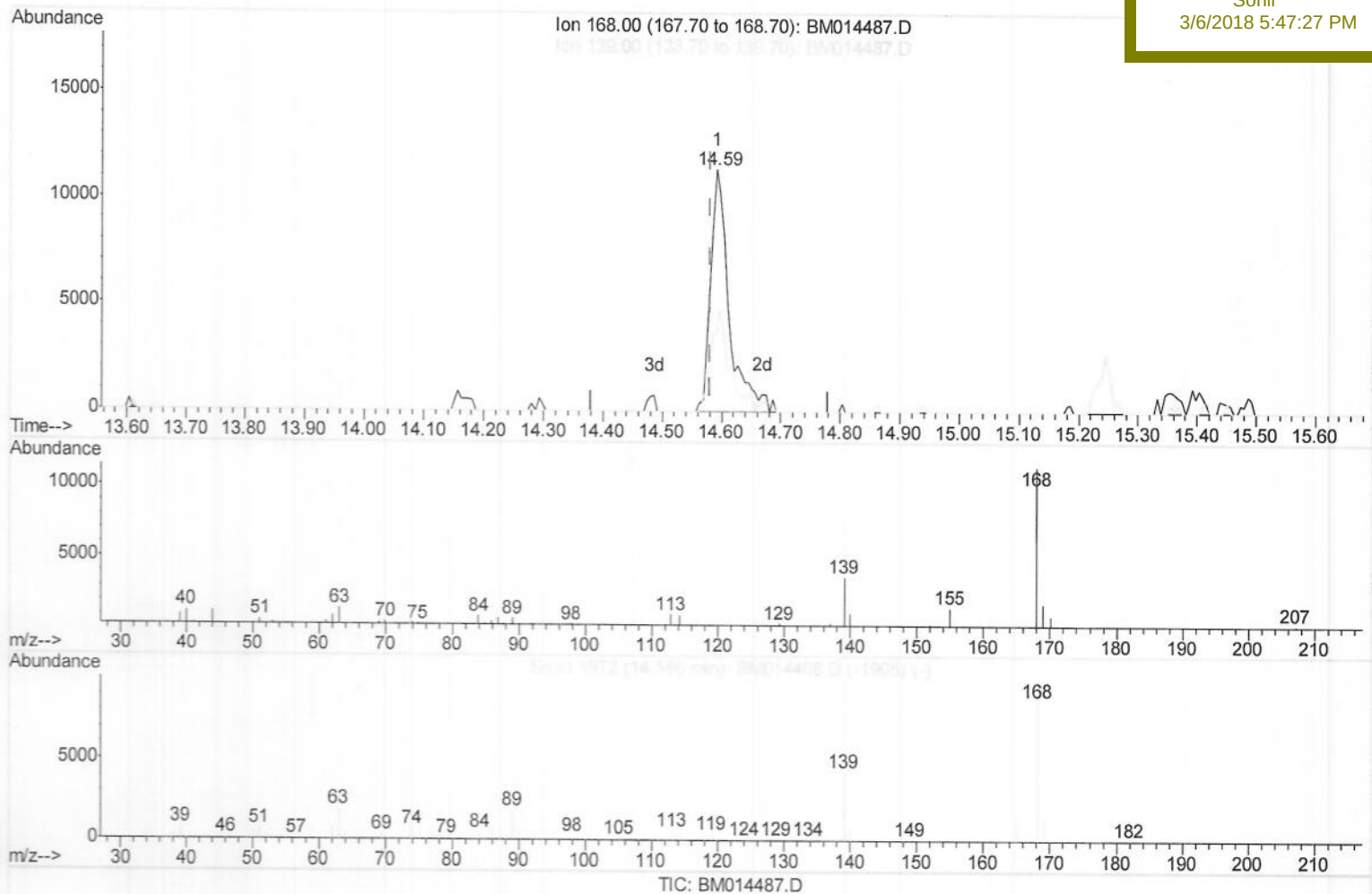
BE5Z4DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:27 PM



(53) Dibenzofuran

14.592min (+0.012) 1.40ng/ul m

response 24454

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	32.19
0.00	0.00	0.00
0.00	0.00	0.00

SJ
03/06/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\

Data File : BM014487.D

Acq On : 05 Mar 2018 23:47

Operator : SJ/JU

Sample : J1678-21DL 25X

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

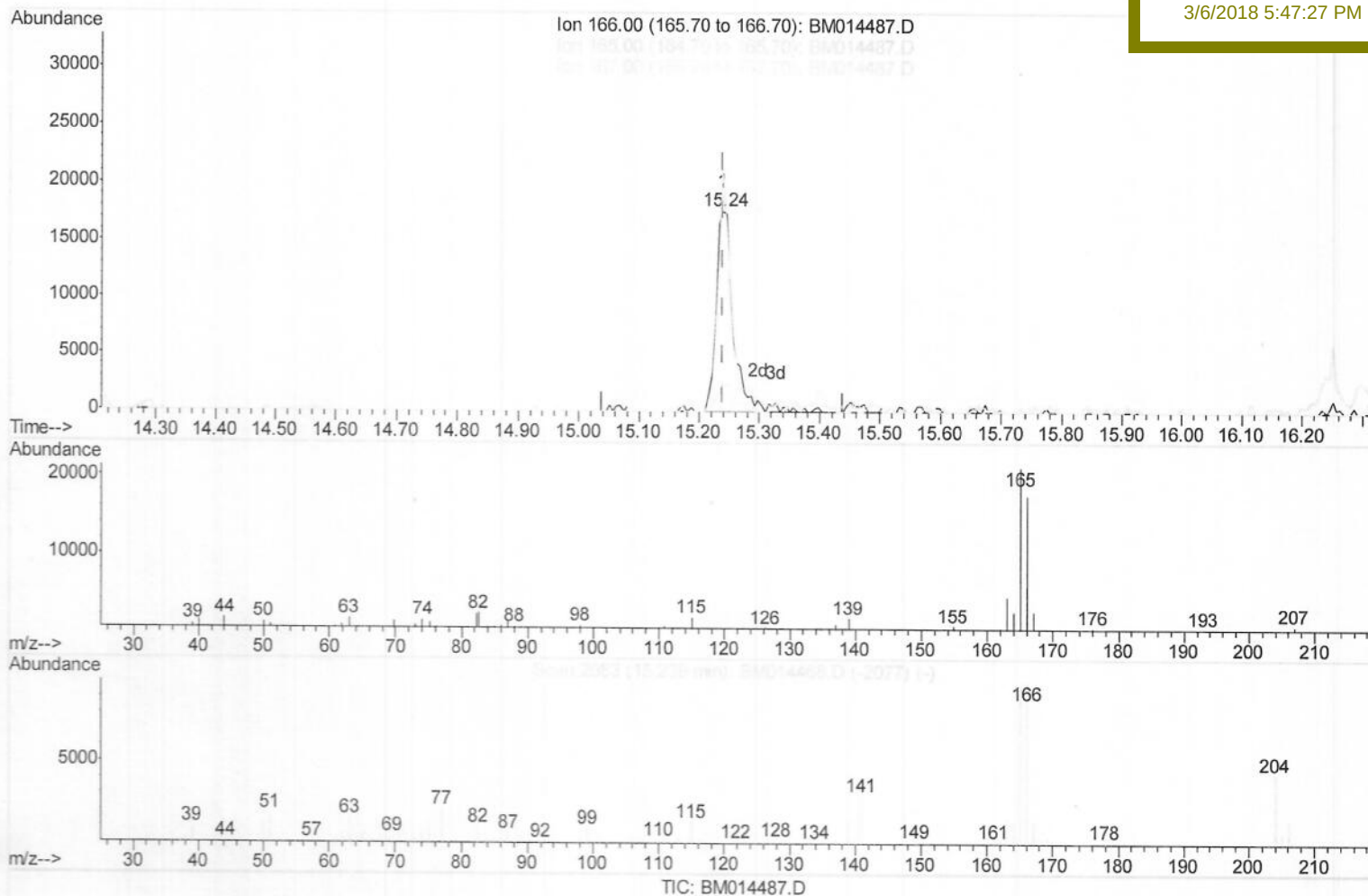
ClientSampleId :

BE5Z4DL

Manual Integrations
APPROVED

Sohil

3/6/2018 5:47:27 PM



(58) Fluorene

15.239min (-0.000) 2.26ng/ul m

response 33949

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	120.02#
167.00	13.30	14.34
0.00	0.00	0.00

SJ
03/06/18

Quantitation Report (Qedit)

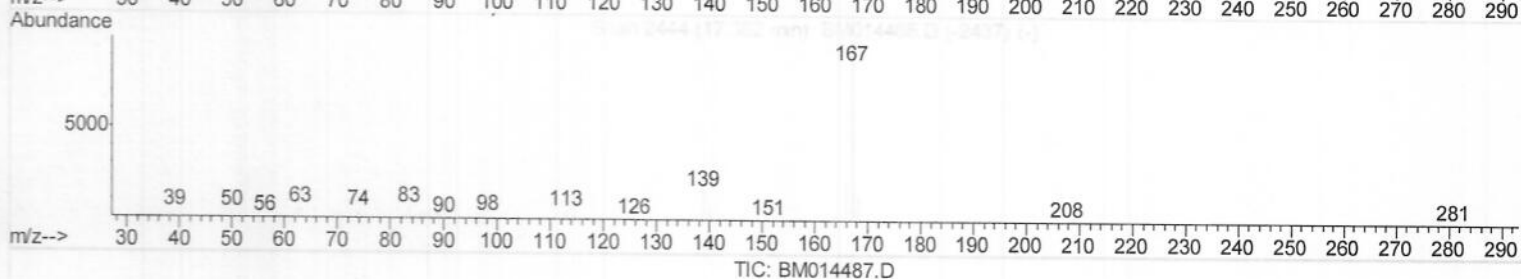
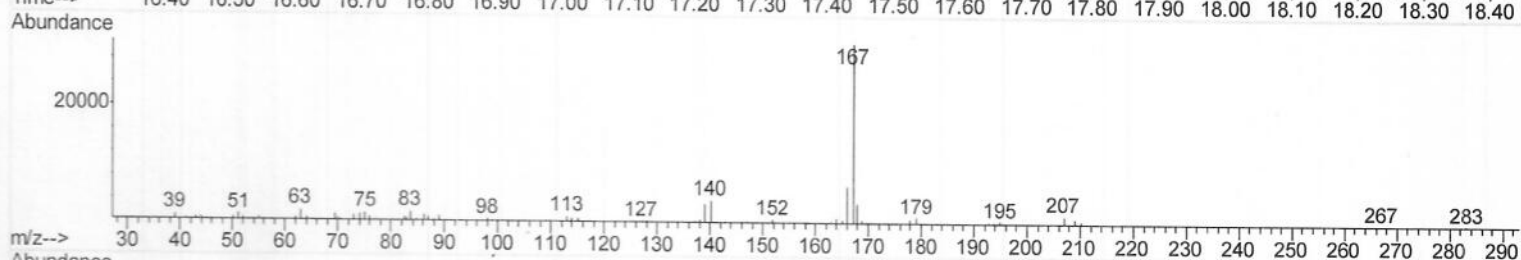
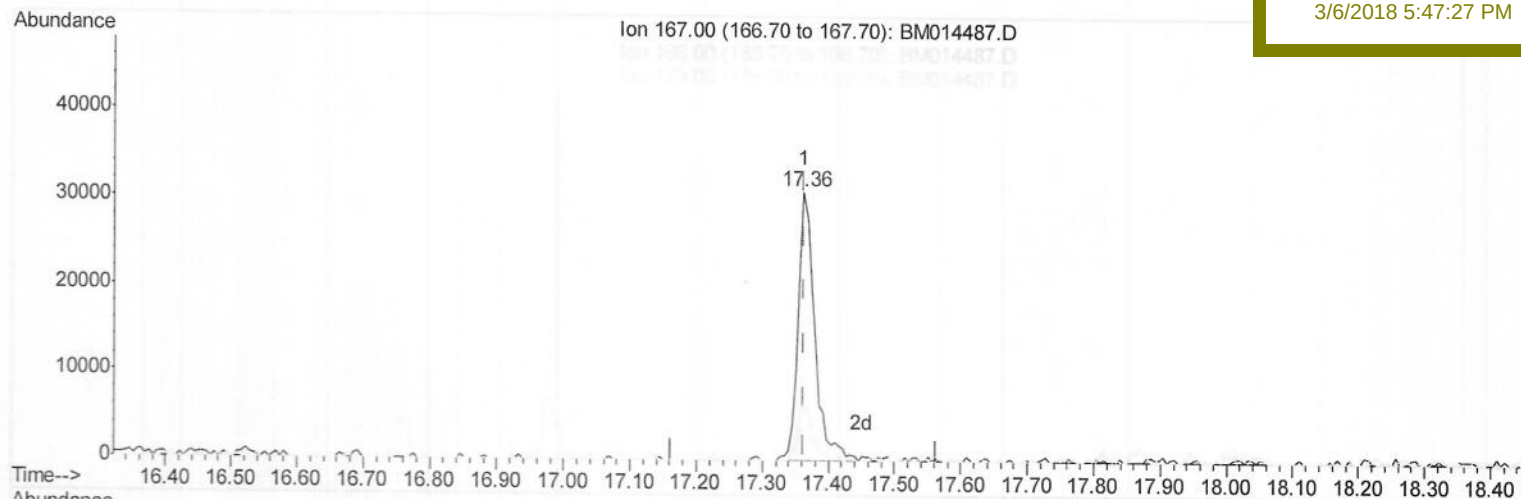
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
 Data File : BM014487.D
 Acq On : 05 Mar 2018 23:47
 Operator : SJ/JU
 Sample : J1678-21DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z4DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:27 PM



(72) Carbazole

17.363min (-0.000) 2.98ng/ul m

response 54039

Ion	Exp%	Act%
167.00	100	100
166.00	21.40	21.34
139.00	12.50	11.40
0.00	0.00	0.00

SJ
 03/06/18

Quantitation Report (Qedit)

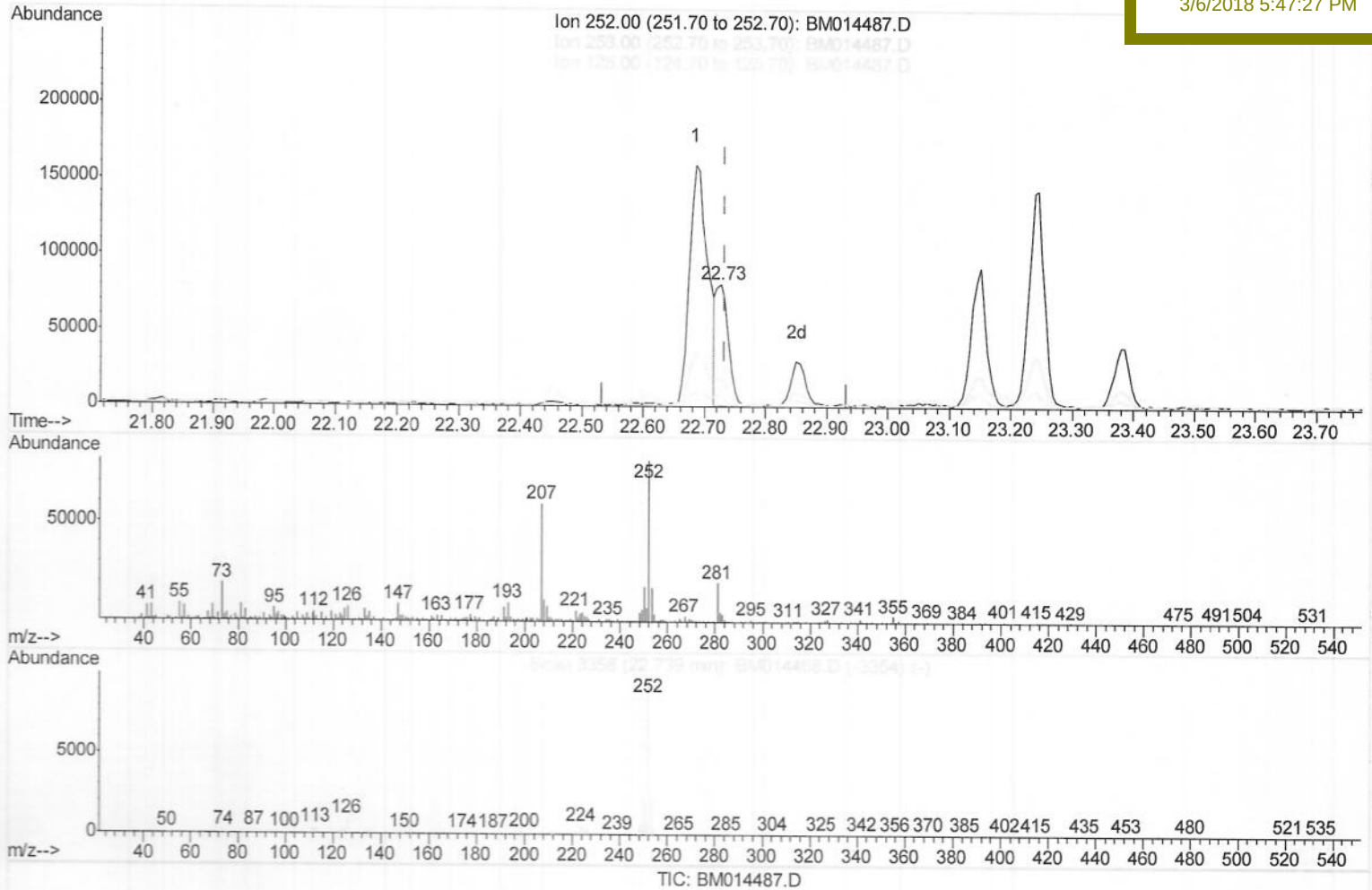
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
 Data File : BM014487.D
 Acq On : 05 Mar 2018 23:47
 Operator : SJ/JU
 Sample : J1678-21DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z4DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:27 PM



(86) Benzo(k)fluoranthene
 22.727min (-0.006) 5.23ng/ul m
 response 110379

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.70
125.00	4.30	7.97#
0.00	0.00	0.00

SJ
 03/06/18

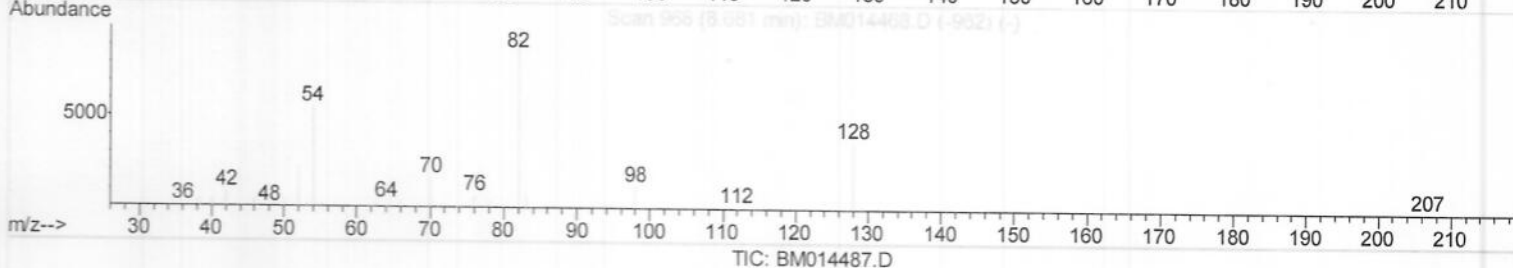
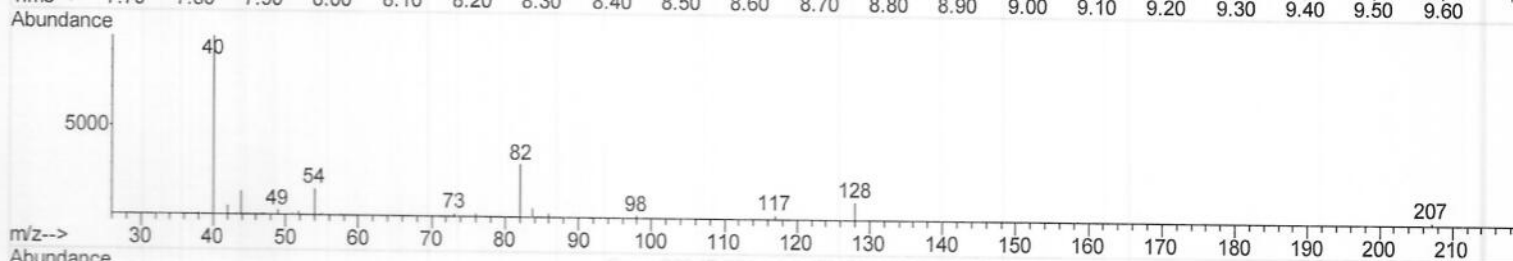
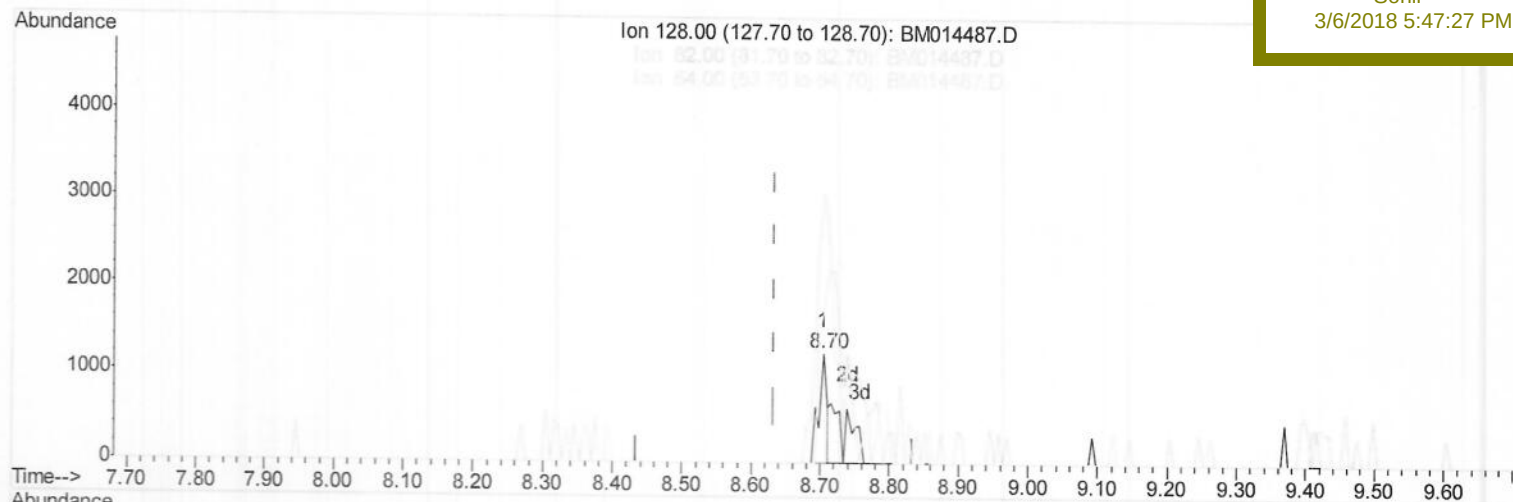
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
Data File : BM014487.D
Acq On : 05 Mar 2018 23:47
Operator : SJ/JU
Sample : J1678-21DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 16:21:12 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 14 14:44:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z4DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:27 PM



TIC: BM014487.D

(19) Nitrobenzene-d5 (S)

8.704min (+0.071) 0.43ng/ul

response 1021

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	249.76
54.00	142.70	138.70
0.00	0.00	0.00

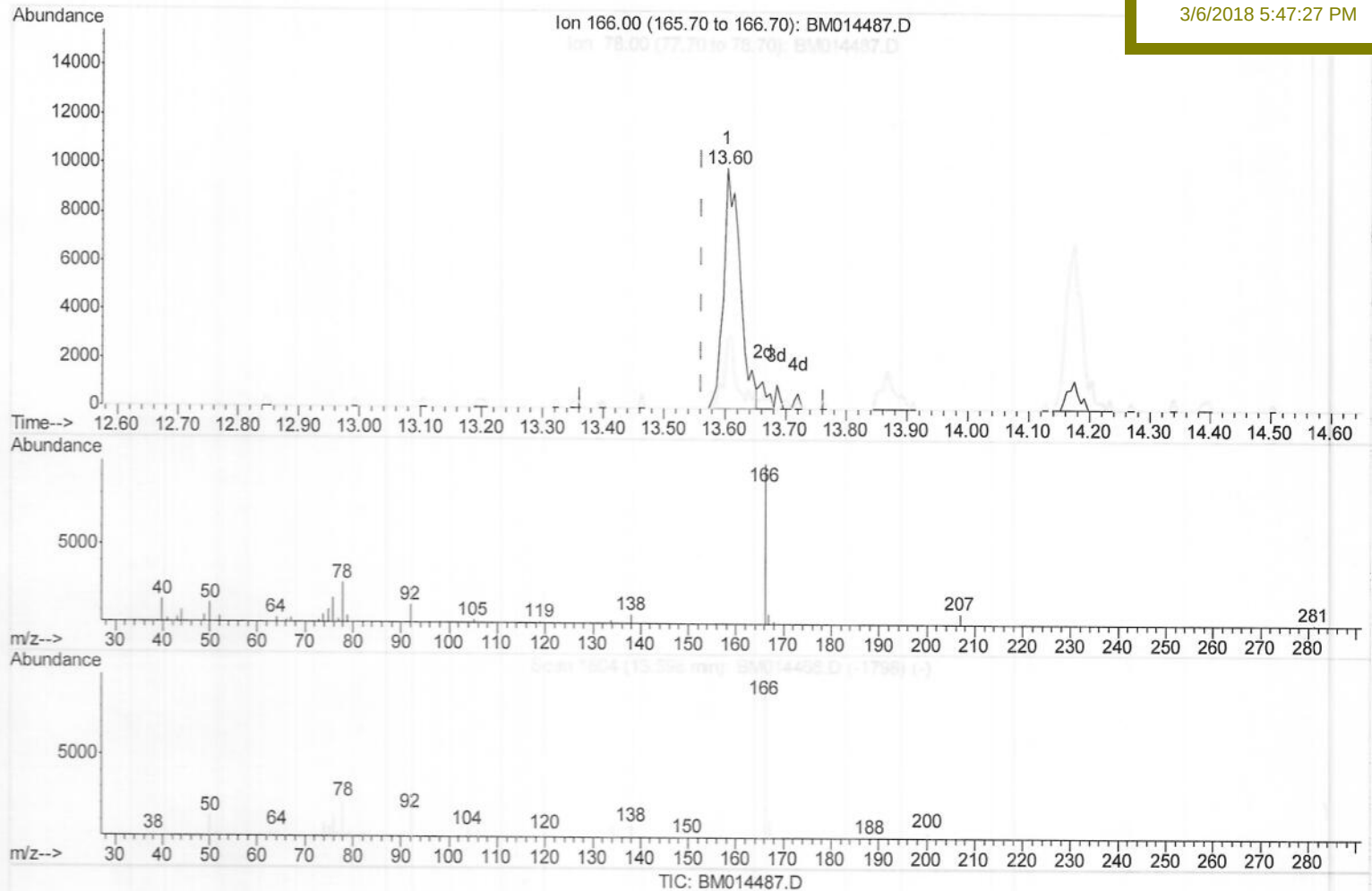
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
Data File : BM014487.D
Acq On : 05 Mar 2018 23:47
Operator : SJ/JU
Sample : J1678-21DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 16:21:12 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 14 14:44:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z4DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:27 PM



(43) Dimethylphthalate-d6 (S)

13.604min (+0.041) 1.33ng/ul

response 18836

Ion	Exp%	Act%
166.00	100	100
78.00	17.00	27.61#
0.00	0.00	0.00
0.00	0.00	0.00

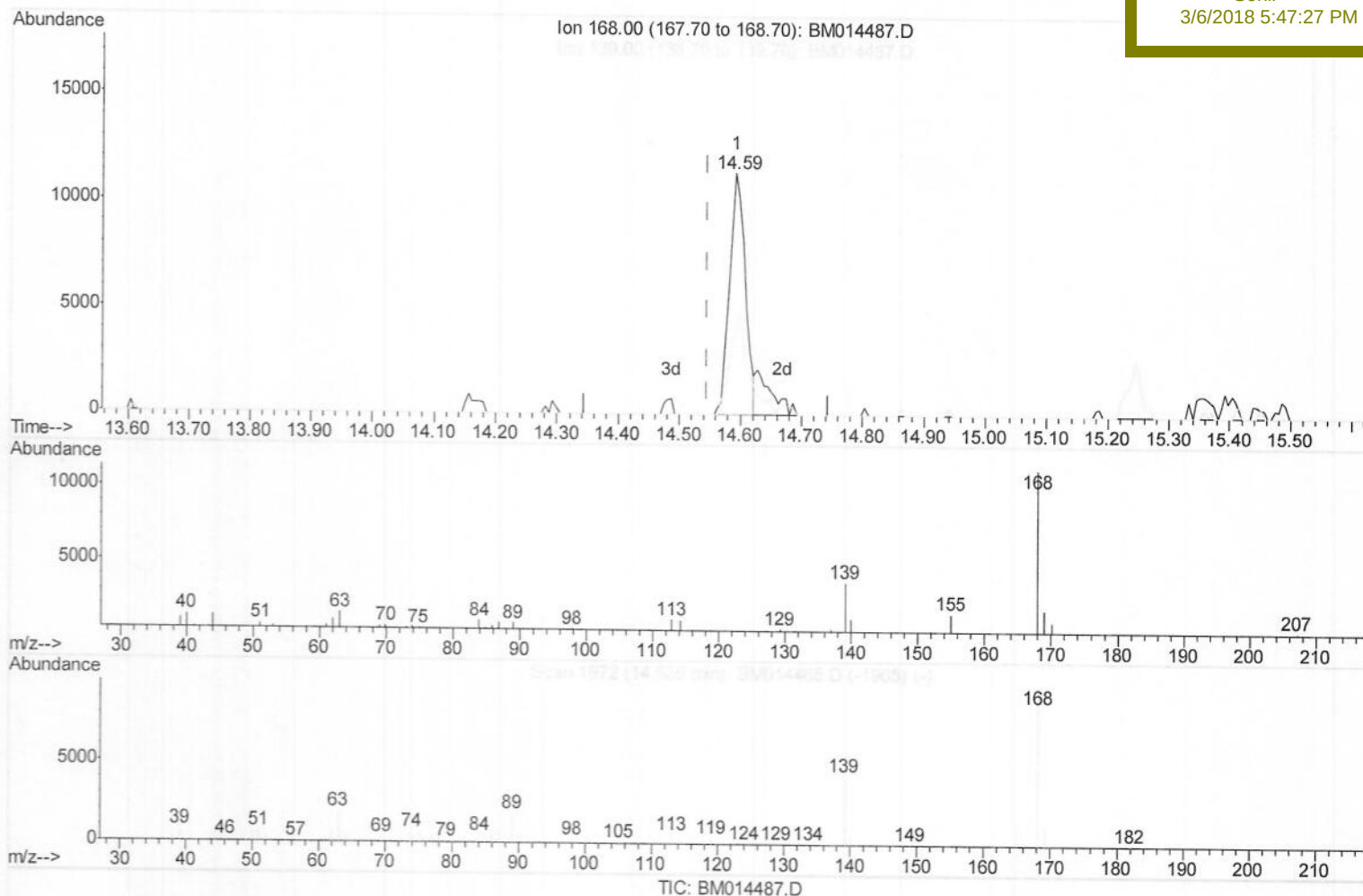
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
Data File : BM014487.D
Acq On : 05 Mar 2018 23:47
Operator : SJ/JU
Sample : J1678-21DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 16:21:12 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 14 14:44:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z4DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:27 PM



(53) Dibenzofuran

14.592min (+0.047) 1.19ng/ul

response 20694

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	32.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

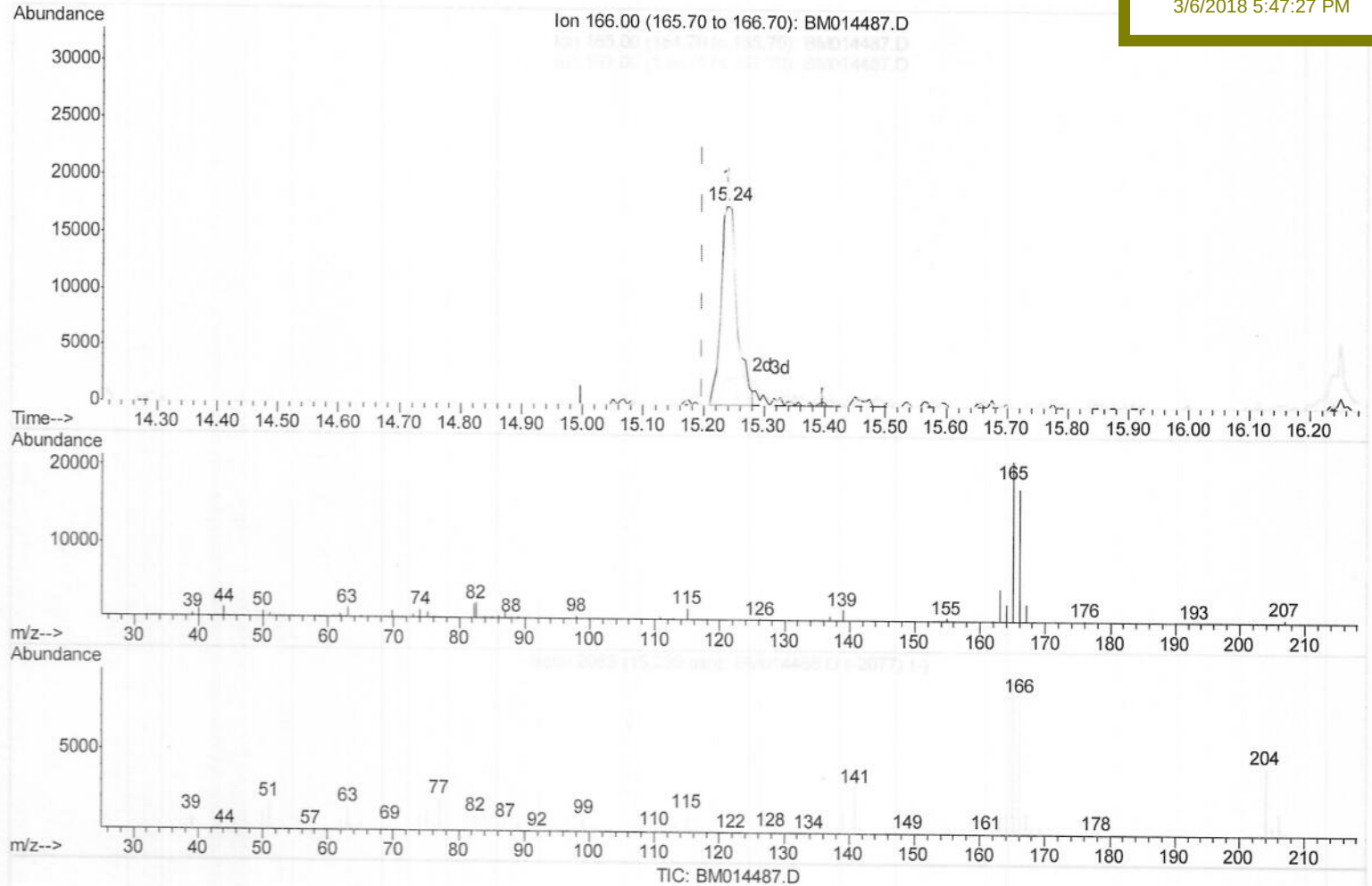
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
 Data File : BM014487.D
 Acq On : 05 Mar 2018 23:47
 Operator : SJ/JU
 Sample : J1678-21DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 16:21:12 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 14:44:34 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z4DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:27 PM



(58) Fluorene

15.239min (+0.041) 2.18ng/ul

response 32792

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	120.02#
167.00	13.30	14.34
0.00	0.00	0.00

Quantitation Report (Qedit)

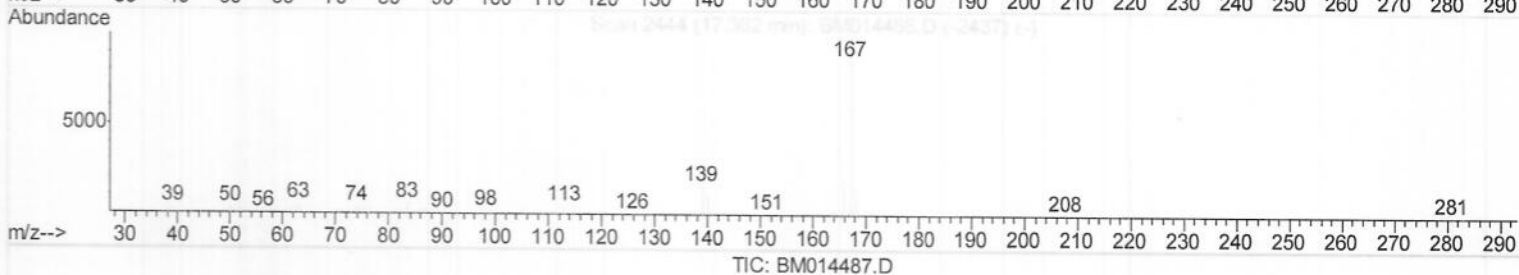
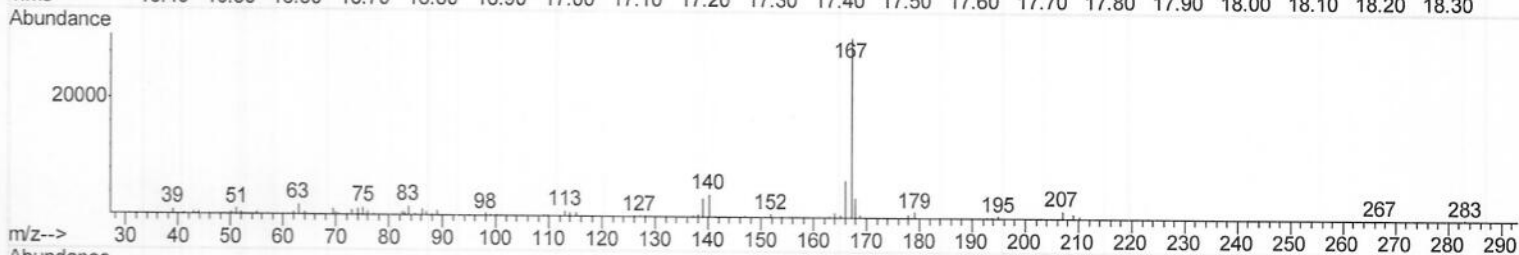
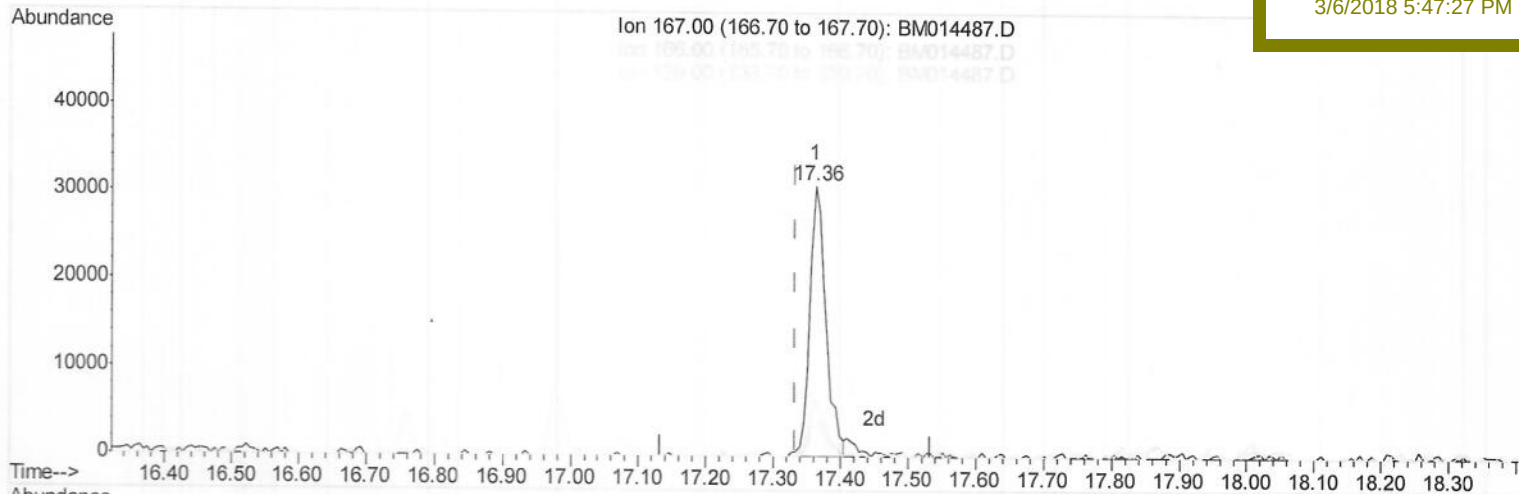
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
 Data File : BM014487.D
 Acq On : 05 Mar 2018 23:47
 Operator : SJ/JU
 Sample : J1678-21DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 16:21:12 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 14:44:34 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z4DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:27 PM



(72) Carbazole

17.363min (+0.029) 2.84ng/ul

response 51561

Ion	Exp%	Act%
167.00	100	100
166.00	21.40	21.34
139.00	12.50	11.40
0.00	0.00	0.00

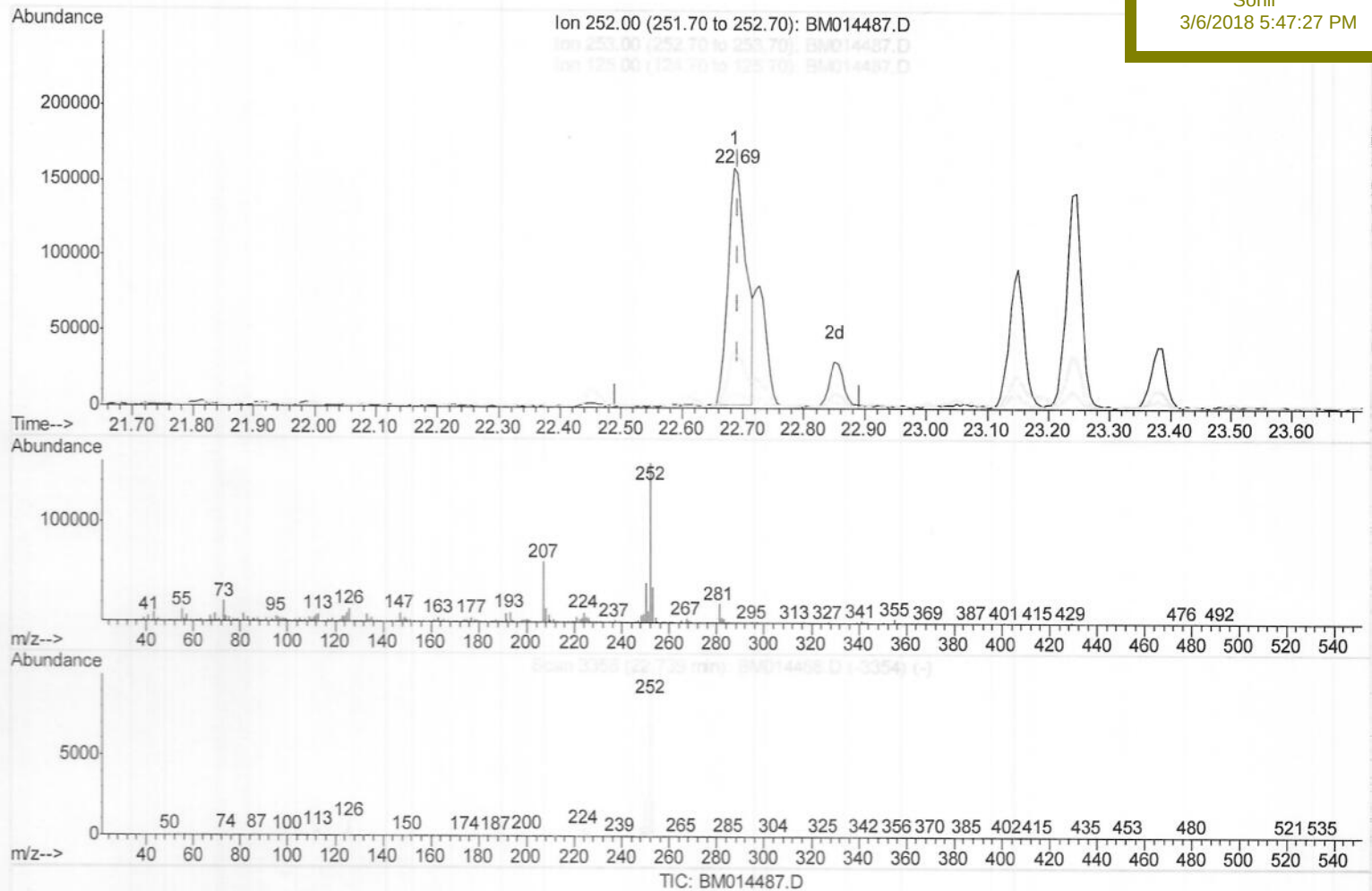
Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
Data File : BM014487.D
Acq On : 05 Mar 2018 23:47
Operator : SJ/JU
Sample : J1678-21DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 16:21:12 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 14 14:44:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z4DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:27 PM



(86) Benzo(k)fluoranthene

22.686min (-0.006) 15.71ng/ul

response 331588

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.02
125.00	4.30	5.49#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM030518\
 Data File : BM014487.D
 Acq On : 05 Mar 2018 23:47
 Operator : SJ/JU
 Sample : J1678-21DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 04:43:52 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z4DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:27 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	84482	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	319877	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	171510	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	372309	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	347895	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	331653	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	308	0.16	ng/uL	-0.04
5) Phenol-d5	6.79	99	2858	0.40	ng/ul	0.06
7) Bis-(2-Chloroethyl)ether-d	6.87	67	3667	0.85	ng/ul	0.01
9) 2-Chlorophenol-d4	7.07	132	5634	1.03	ng/ul	0.02
13) 4-Methylphenol-d8	8.30	113	796	0.13	ng/ul	0.05
19) Nitrobenzene-d5	8.70	128	1663m	0.70	ng/ul	0.02
22) 2-Nitrophenol-d4	9.39	143	604	0.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	371	0.07	ng/ul	0.06
29) 4-Chloroaniline-d4	10.50	131	170	0.03	ng/ul	0.05
43) Dimethylphthalate-d6	13.60	166	19952m	1.41	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	23020	1.32	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.19	176	17349	1.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.04	188	26985	1.50	ng/ul	0.00
76) Pyrene-d10	19.35	212	28371	1.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	25924	1.61	ng/ul	-0.01

Target Compounds

					Ovalue	
49) Acenaphthene	14.24	153	15625	1.344	ng/ul	95
53) Dibenzofuran	14.59	168	24454m	1.403	ng/ul	
58) Fluorene	15.24	166	33949m	2.256	ng/ul	
69) Phenanthrene	16.98	178	615766	28.706	ng/ul	99
71) Anthracene	17.07	178	136513	6.328	ng/ul	99
72) Carbazole	17.36	167	54039m	2.979	ng/ul	
74) Fluoranthene	19.01	202	864557	33.735	ng/ul#	94
77) Pyrene	19.37	202	674341	29.167	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	332277	15.304	ng/ul	98
82) Chrysene	21.19	228	259756	12.825	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	331588	14.932	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	110379m	5.228	ng/ul	
88) Benzo(a)pyrene	23.24	252	247591	12.477	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.51	276	170510	8.855	ng/ul	96
90) Dibenz(a,h)anthracene	25.51	278	47242	2.953	ng/ul#	91
91) Benzo(a,h,i)perylene	26.17	276	123749	7.933	ng/ul#	95

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

SJ
 03/06/18