

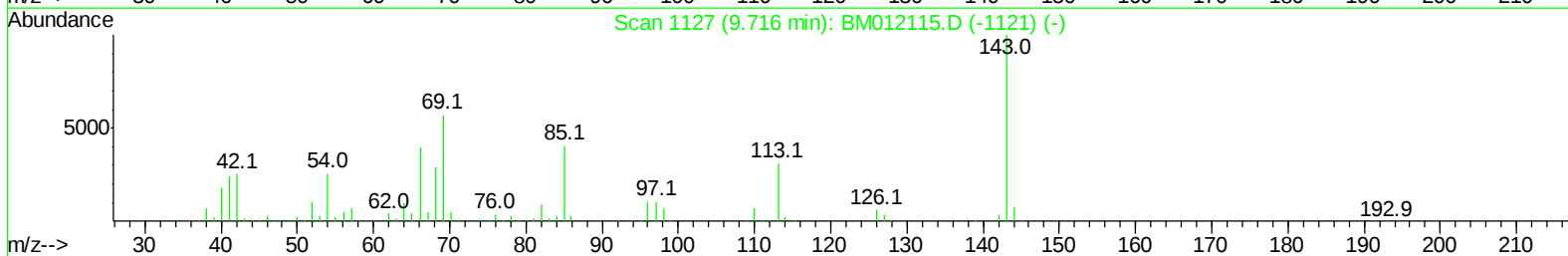
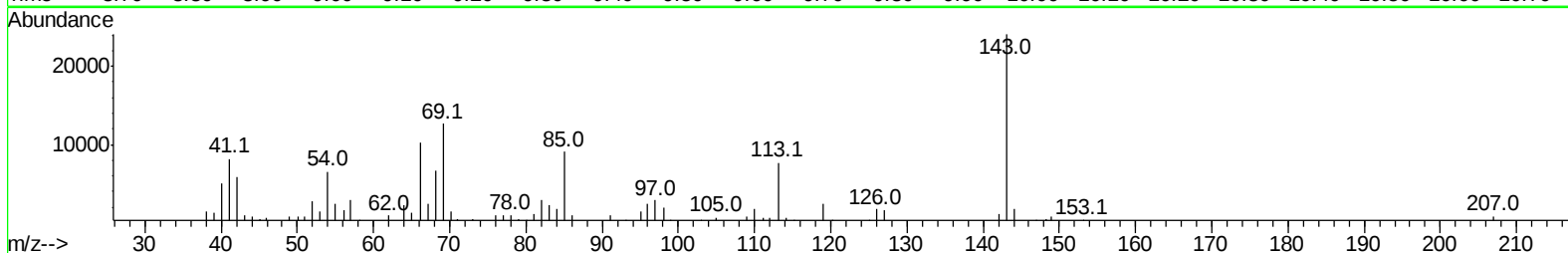
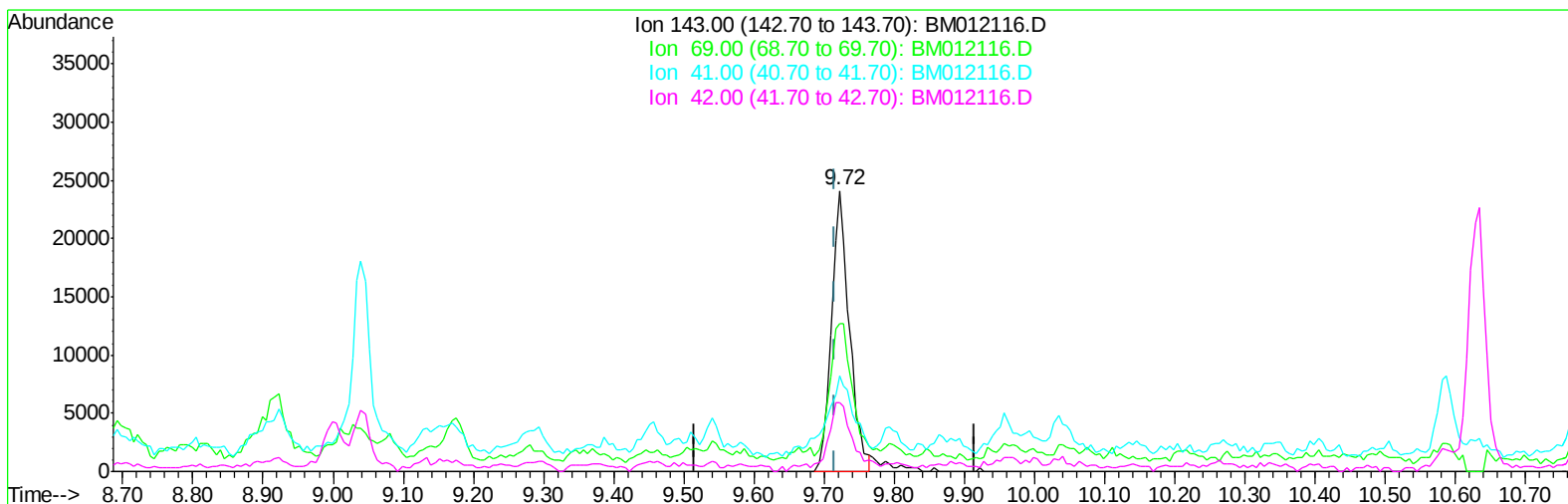
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:04:49 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



TIC: BM012116.D

(22) 2-Nitrophenol-d4 (S)

9.722min (+0.006) 3.35ng/ul

response 42333

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	52.59
41.00	23.80	34.04#
42.00	24.30	24.62

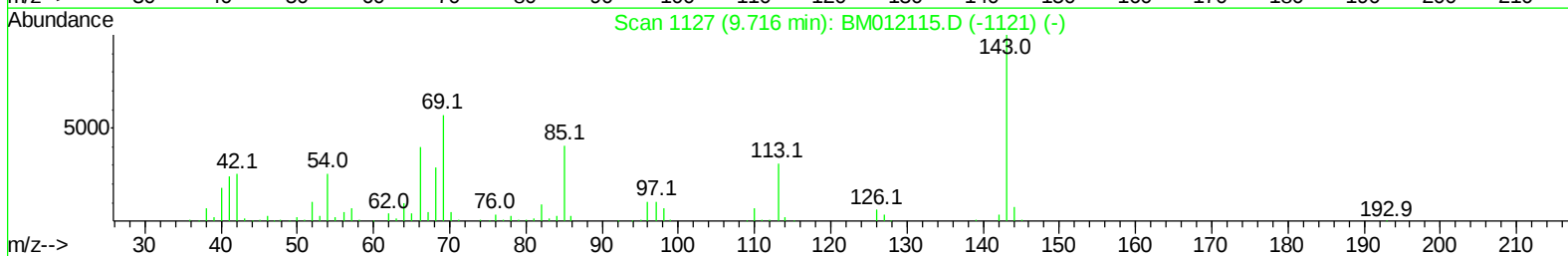
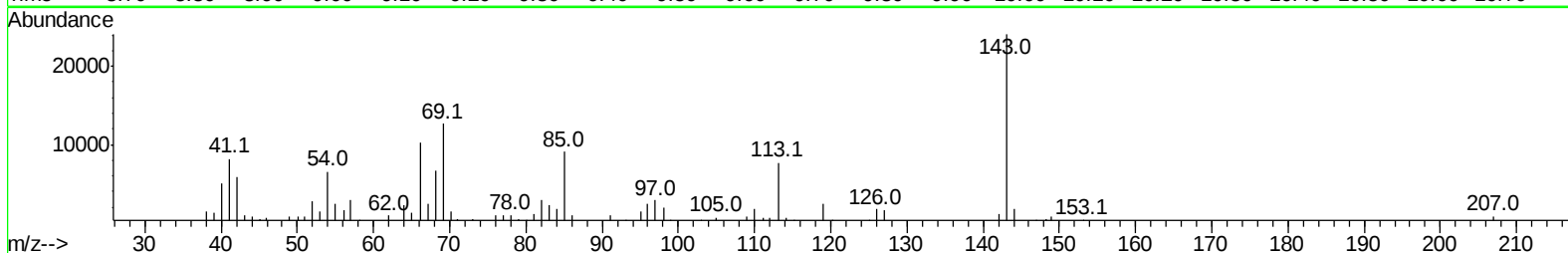
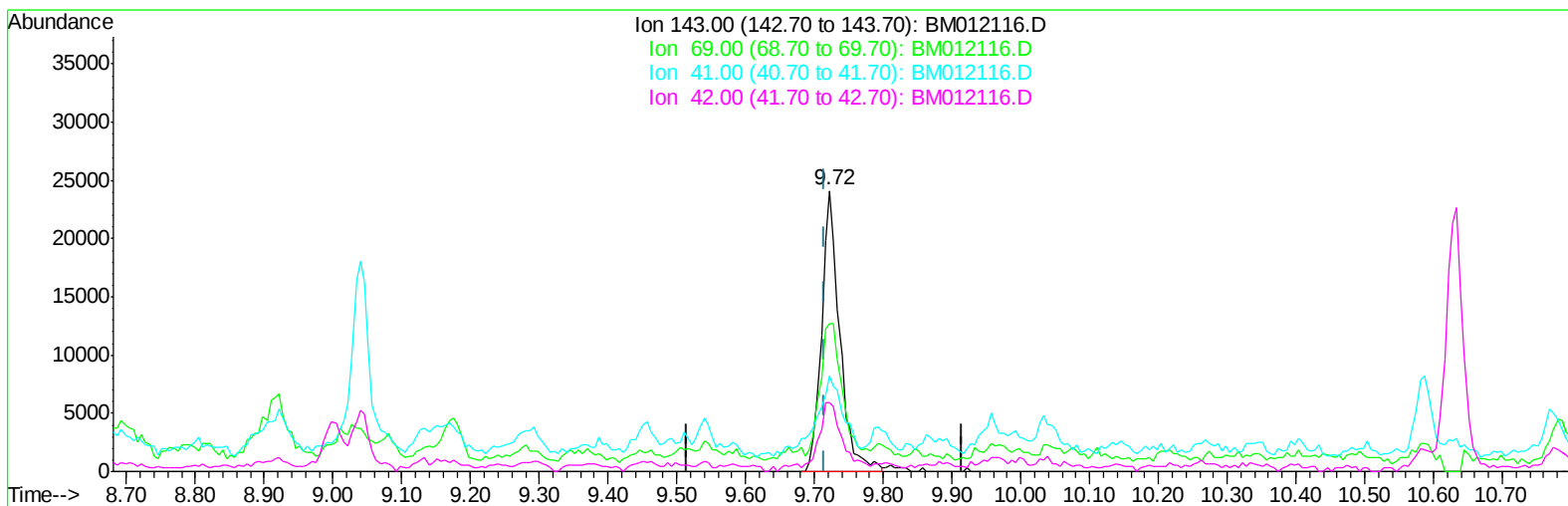
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Sohil
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Quant Time: Oct 13 05:04:49 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



TIC: BM012116.D

(22) 2-Nitrophenol-d4 (S)
9.722min (+0.006) 3.47ng/ul m

response 43933

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	52.59
41.00	23.80	34.04#
42.00	24.30	24.62

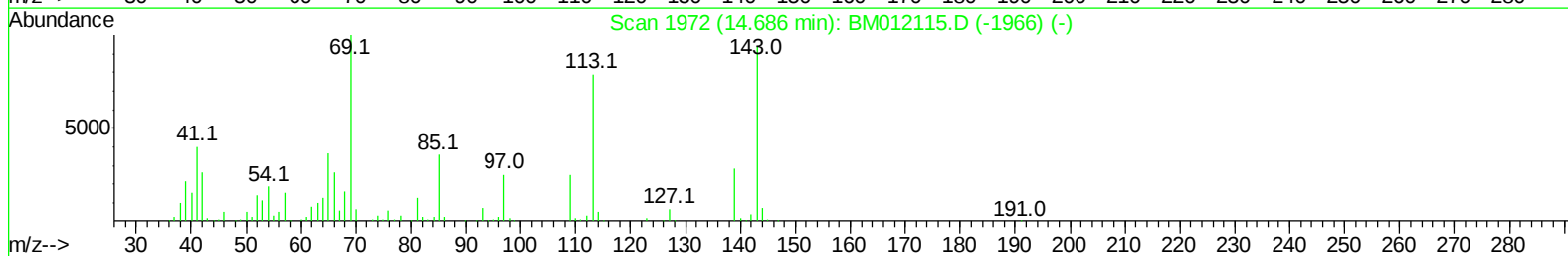
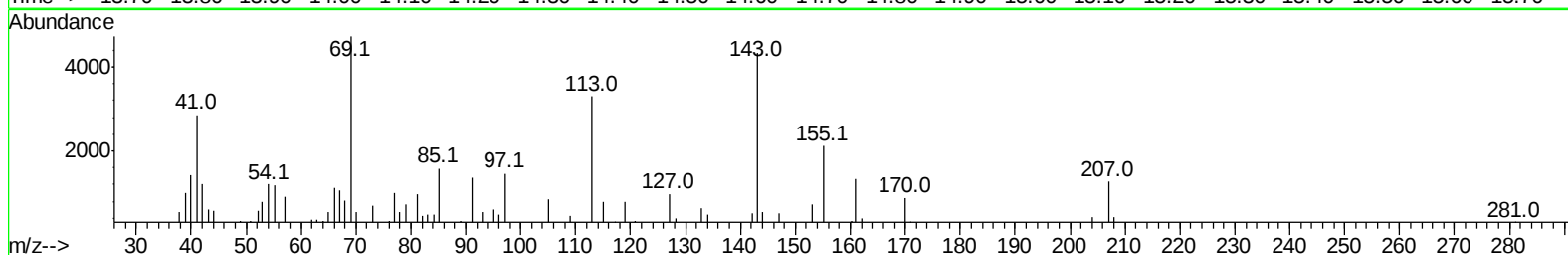
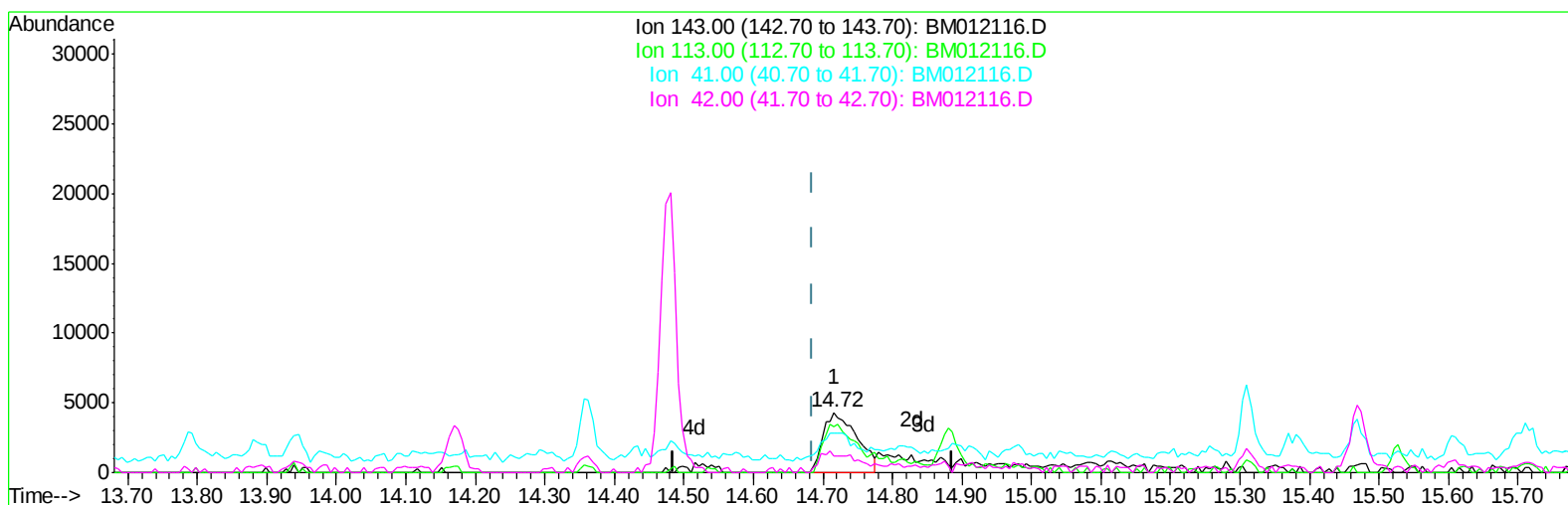
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:08:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



TIC: BM012116.D

(51) 4-Nitrophenol-d4 (S)
14.716min (+0.029) 1.29ng/ul
response 14502

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	75.85#
41.00	34.80	65.71#
42.00	20.50	28.07#

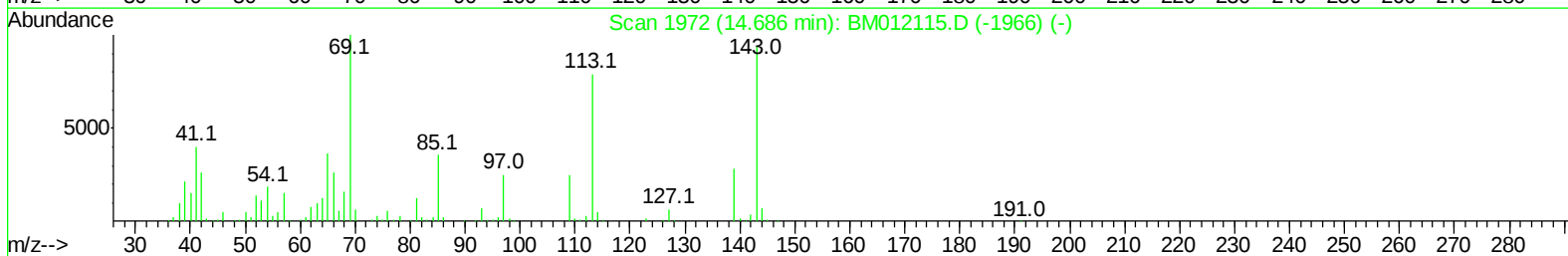
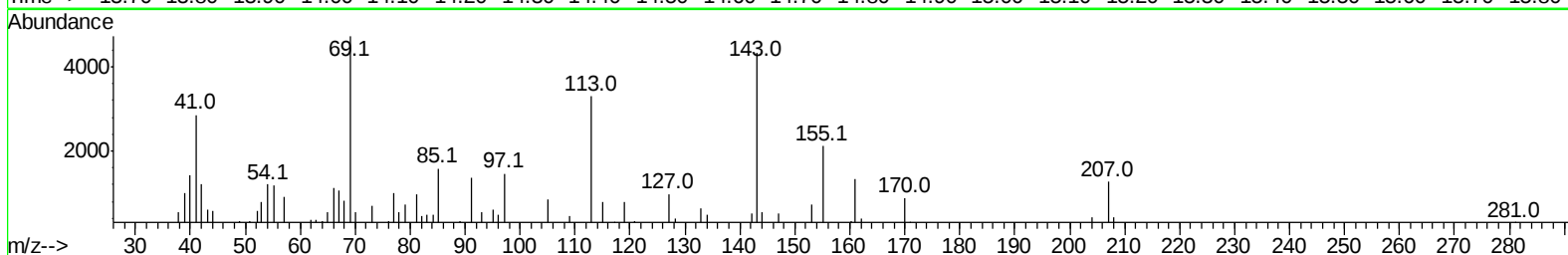
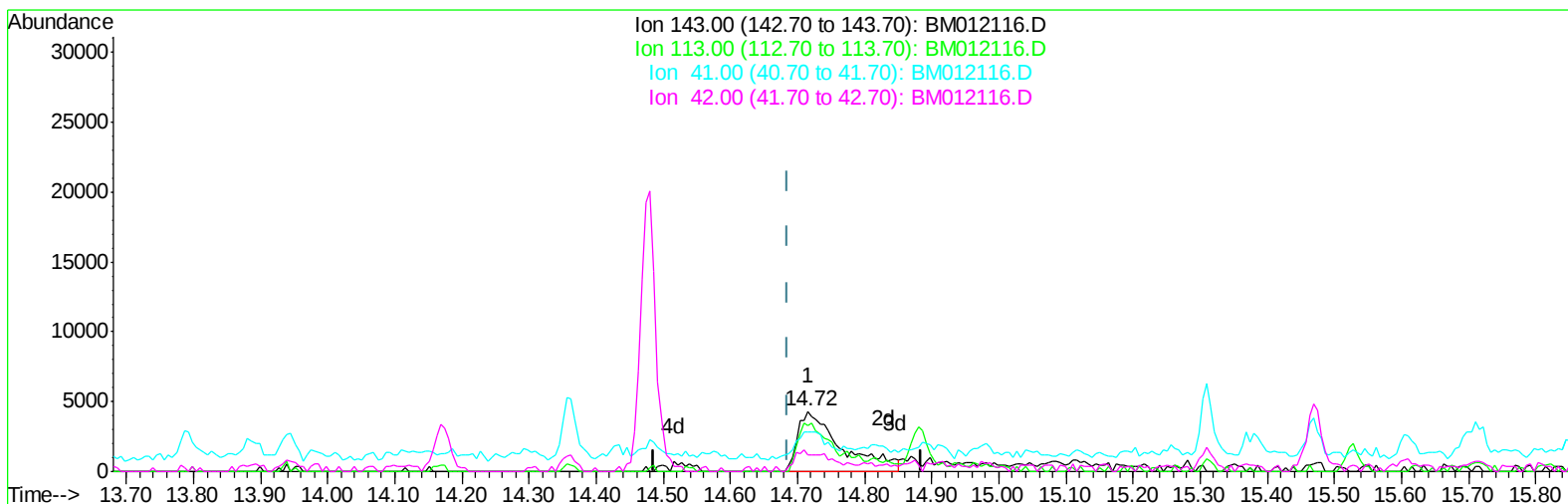
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

Quant Time: Oct 13 05:08:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM



TIC: BM012116.D

(51) 4-Nitrophenol-d4 (S)

14.716min (+0.029) 1.72ng/ul m

response 19416

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	75.85#
41.00	34.80	65.71#
42.00	20.50	28.07#

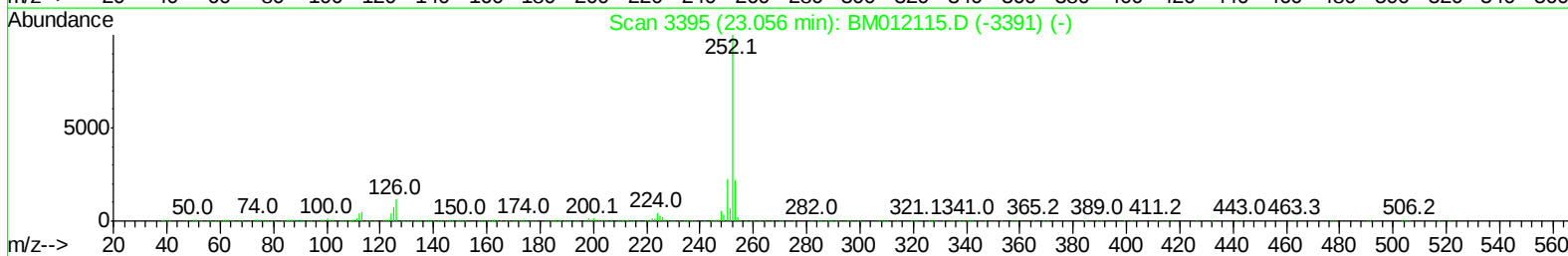
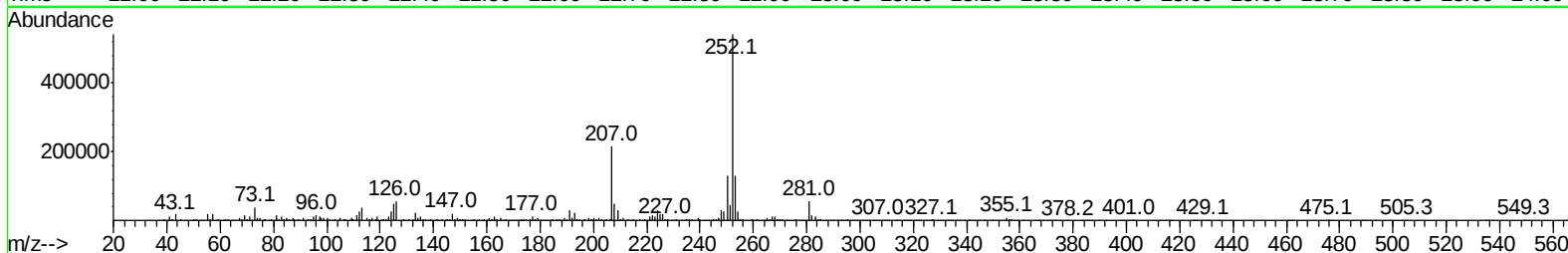
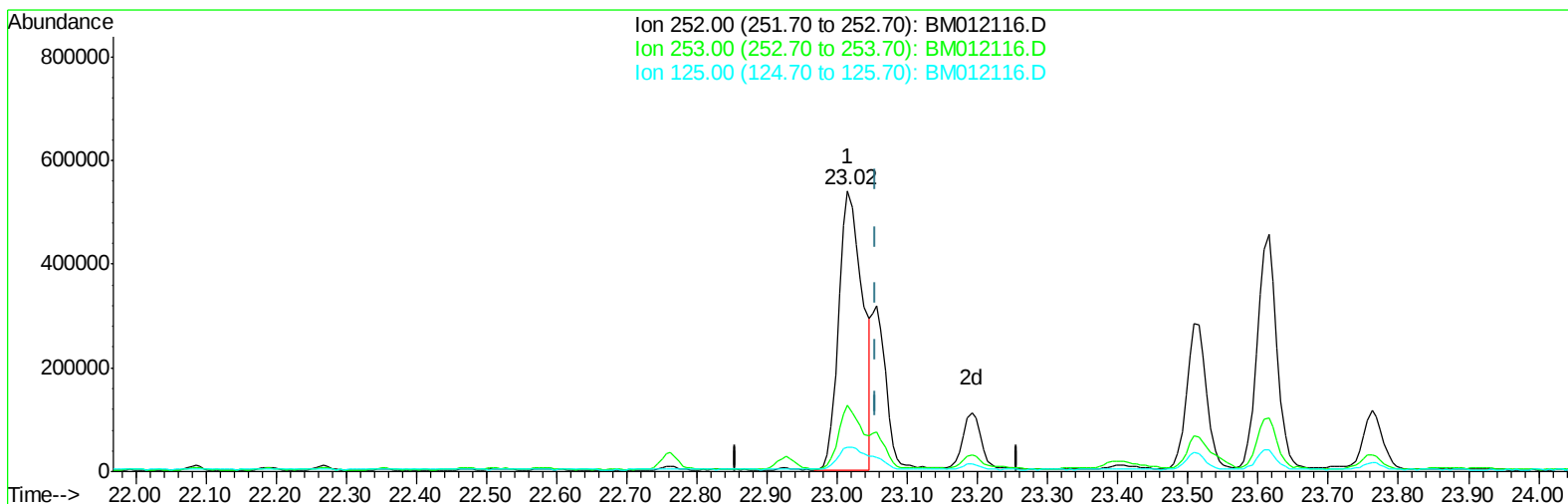
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:10:36 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



TIC: BM012116.D

(86) Benzo(k)fluoranthene

23.015min (-0.041) 11.72ng/ul

response 1260654

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.80
125.00	4.30	8.77#
0.00	0.00	0.00

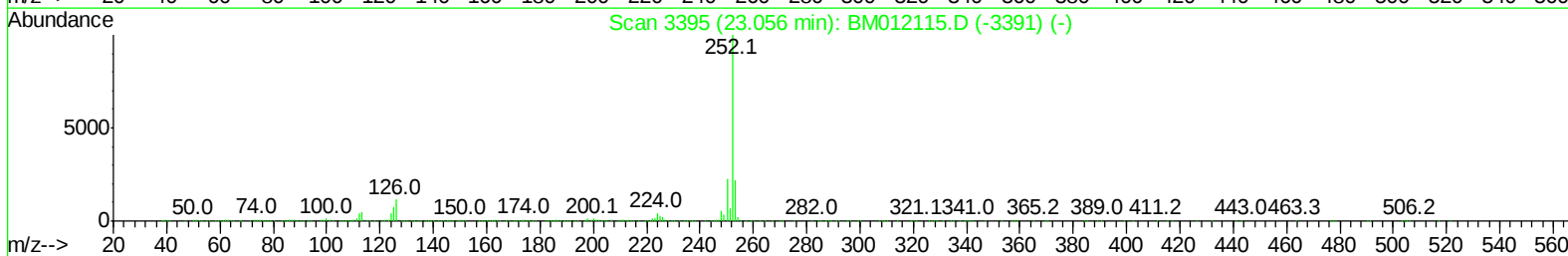
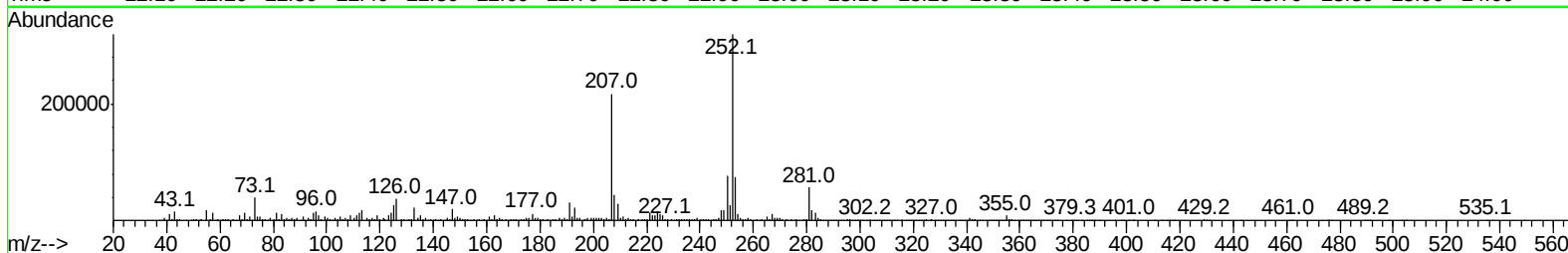
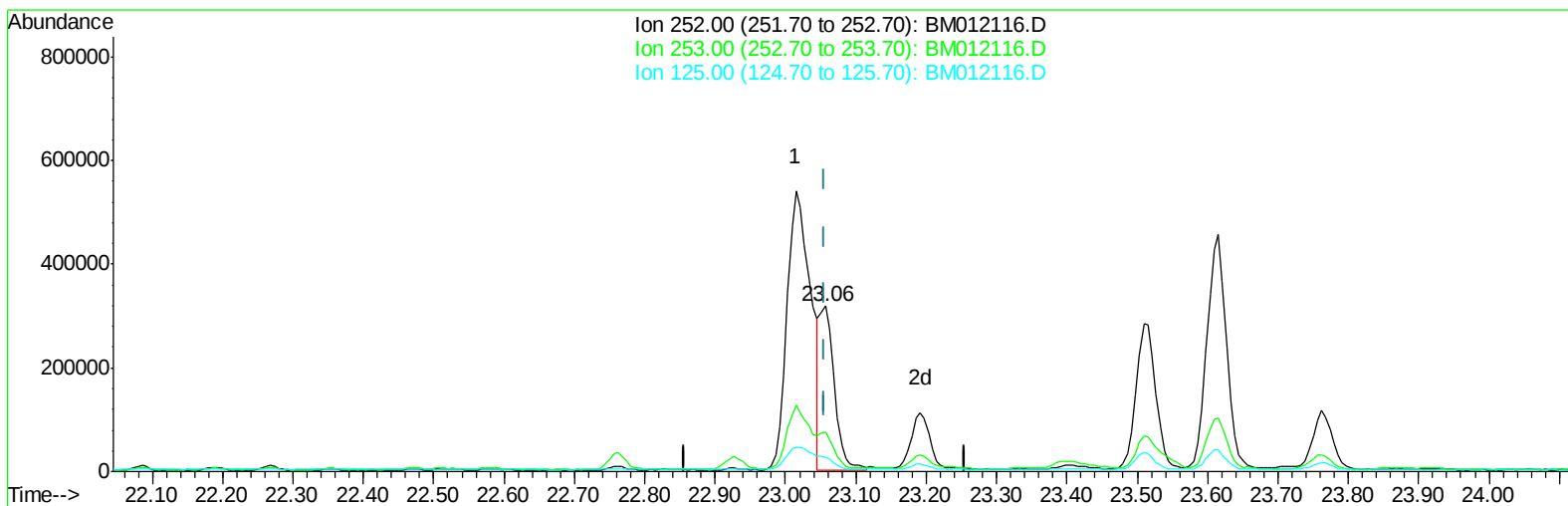
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:10:36 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



TIC: BM012116.D

(86) Benzo(k)fluoranthene

23.056min (+0.000) 4.25ng/ul m

response 457489

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.61
125.00	4.30	8.61#
0.00	0.00	0.00

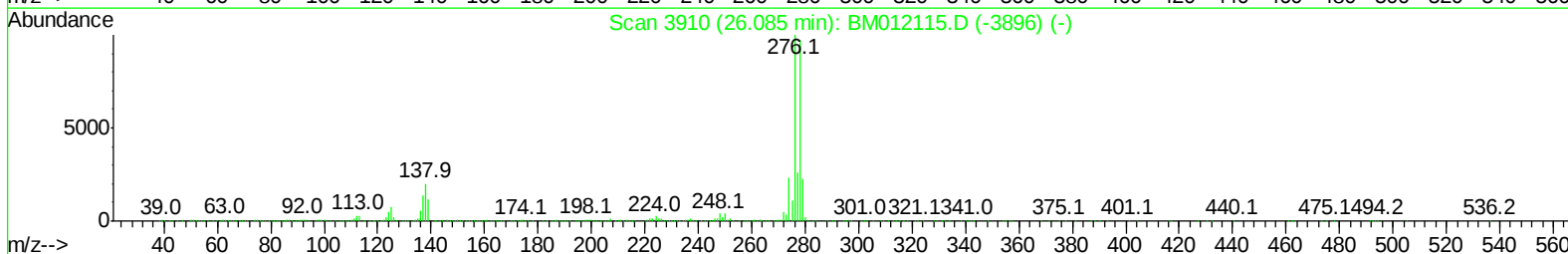
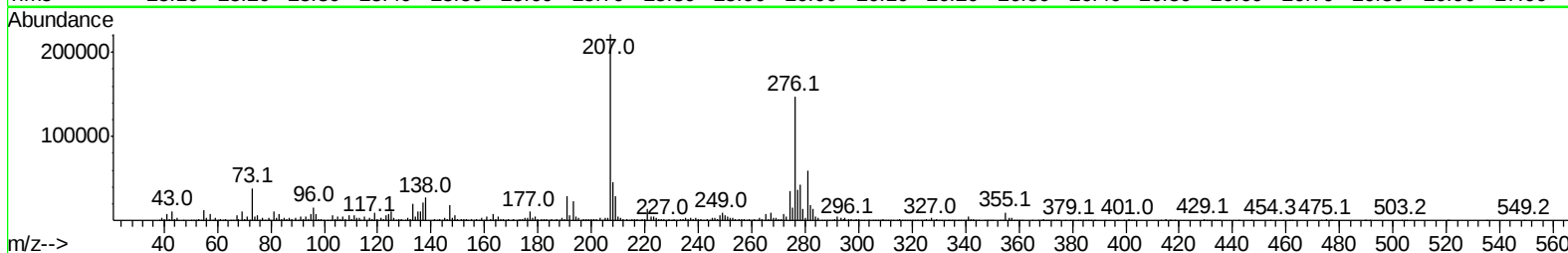
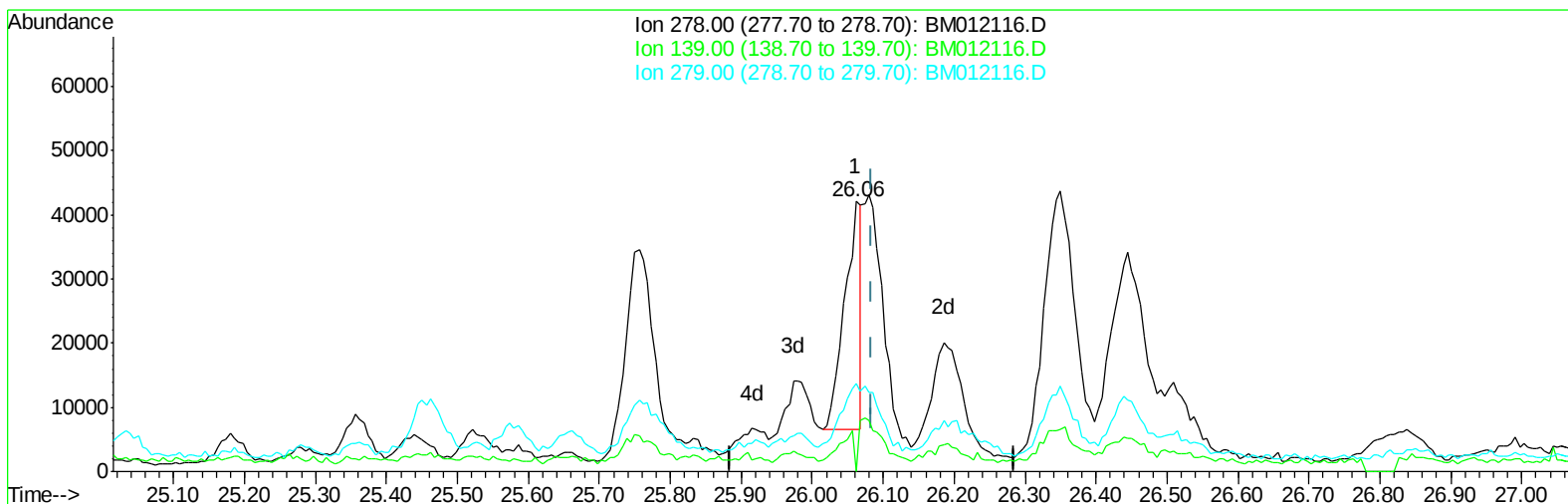
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:11:46 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



TIC: BM012116.D

(90) Dibenzo(a,h)anthracene

26.062min (-0.023) 0.62ng/ul

response 58206

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	0.00#
279.00	23.20	32.45#
0.00	0.00	0.00

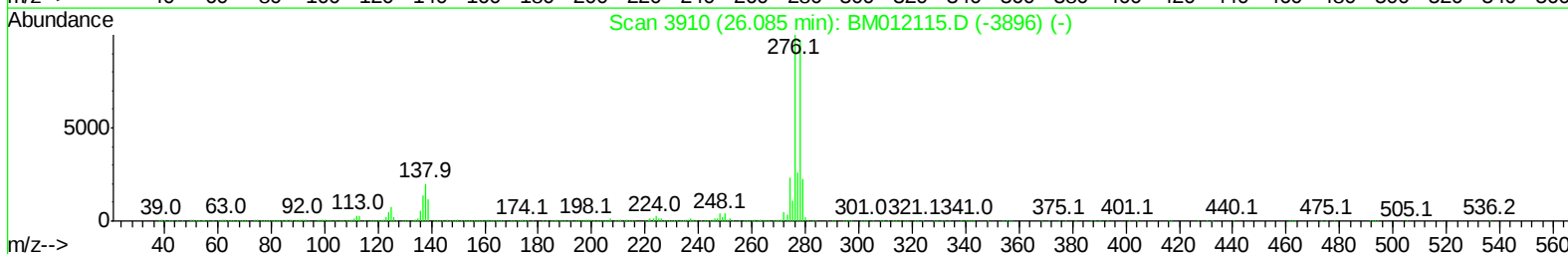
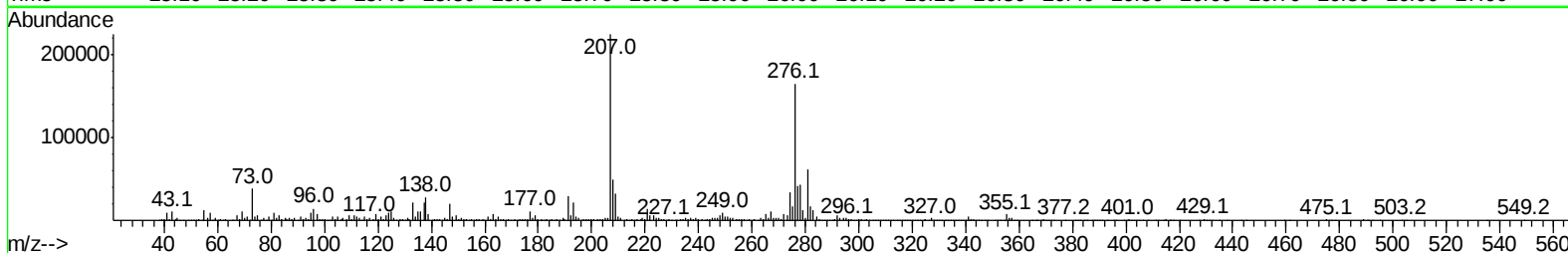
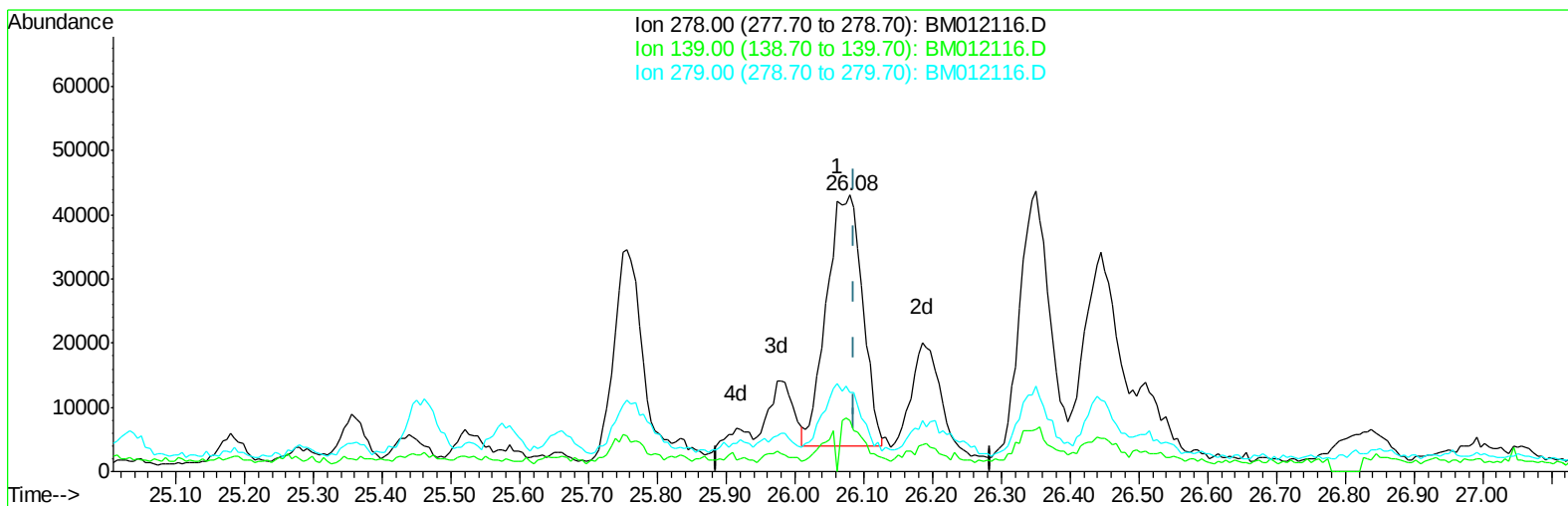
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012116.D
Acq On : 13 Oct 2017 01:39
Operator : SJ/JU
Sample : I5490-04 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:11:46 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



TIC: BM012116.D

(90) Dibenzo(a,h)anthracene

26.080min (-0.006) 1.51ng/ul m

response 141583

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	18.43#
279.00	23.20	28.68#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012116.D
 Acq On : 13 Oct 2017 01:39
 Operator : SJ/JU
 Sample : I5490-04 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-70(5-7)-092717

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:12:59 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	334259	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1418993	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	847431	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1960679	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1970485	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	1710093	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	5686	0.81	ng/uL	0.00
5) Phenol-d5	6.99	99	90878	3.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	62289	3.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	80747	3.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	77284	3.31	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	38731	3.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	43933m	3.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	81313	3.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	42110	1.86	ng/ul	0.01
43) Dimethylphthalate-d6	13.89	166	303502	4.05	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	354243	3.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	19416m	1.72	ng/ul	0.03
57) Fluorene-d10	15.47	176	259128	4.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	23213	1.73	ng/ul	0.00
70) Anthracene-d10	17.32	188	410863	4.24	ng/ul	0.00
76) Pyrene-d10	19.62	212	451223	4.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	343401	4.17	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.93	163	126412	1.685	ng/ul	98
58) Fluorene	15.53	166	101028	1.409	ng/ul	99
69) Phenanthrene	17.26	178	1712856	15.357	ng/ul	99
71) Anthracene	17.36	178	435487	3.771	ng/ul	98
72) Carbazole	17.63	167	144199	1.476	ng/ul	95
74) Fluoranthene	19.28	202	2729636	20.279	ng/ul#	84
77) Pyrene	19.64	202	1996725	15.344	ng/ul#	90
80) Benzo(a)anthracene	21.39	228	1266007	9.874	ng/ul	97
82) Chrysene	21.44	228	1092392	9.075	ng/ul	96
85) Benzo(b)fluoranthene	23.02	252	1260654	11.296	ng/ul#	95
86) Benzo(k)fluoranthene	23.06	252	457489m	4.254	ng/ul	
88) Benzo(a)pyrene	23.62	252	859557	8.172	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.07	276	506624	4.536	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.08	278	141583m	1.508	ng/ul	
91) Benzo(g,h,i)perylene	26.80	276	403084	4.406	ng/ul#	93

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

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Manual Integrations
APPROVED

Sohil
10/15/2017 12:36:24 PM

Quant Time: Oct 13 05:12:59 2017
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