

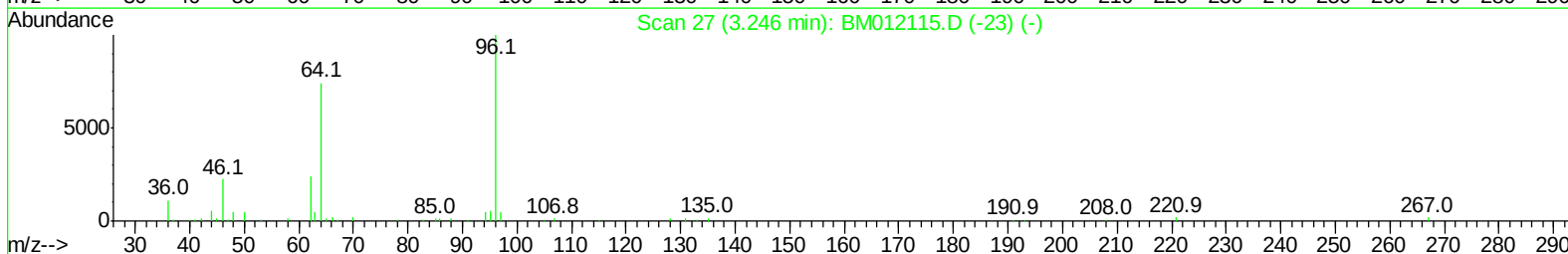
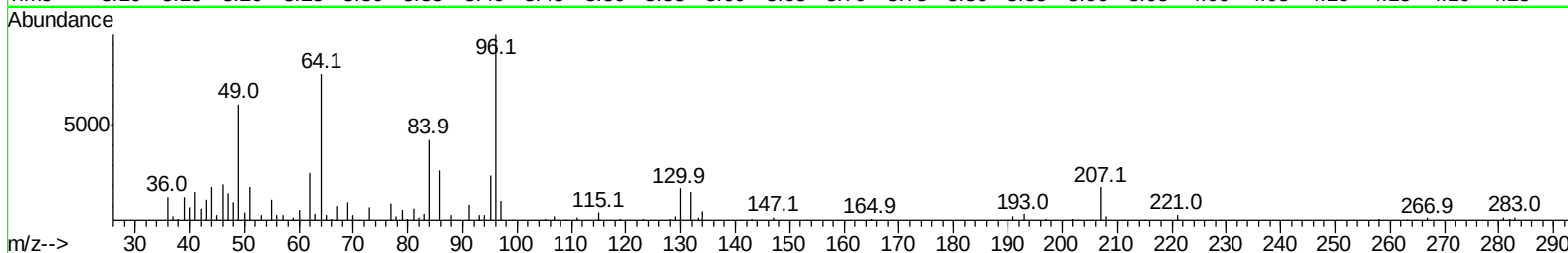
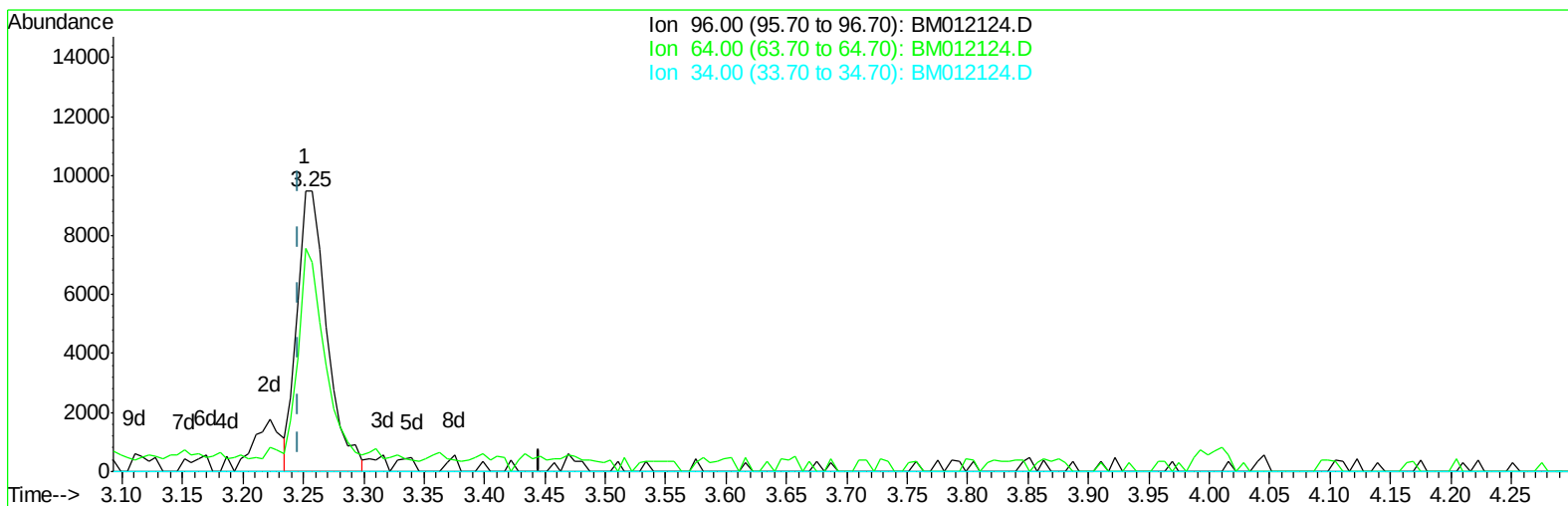
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:15:25 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: BM012124.D

(3) 1,4-Dioxane-d8 (S)

3.252min (+0.006) 1.72ng/uL

response 16247

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	70.55
34.00	0.00	0.00
0.00	0.00	0.00

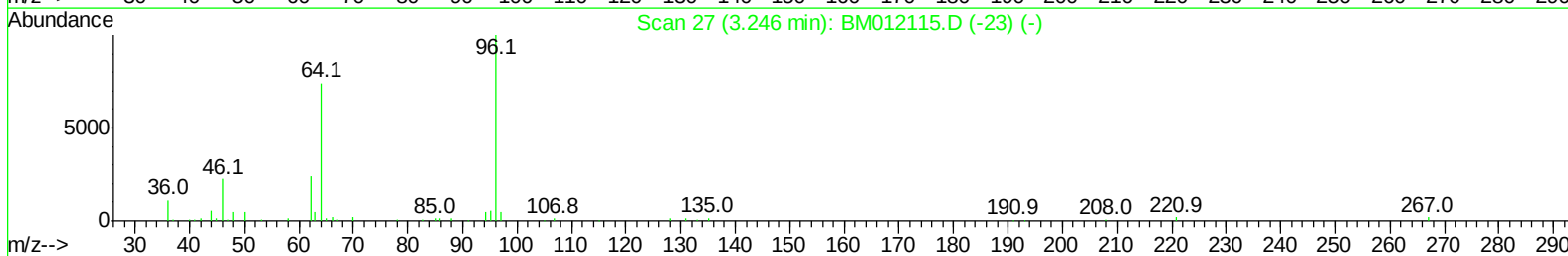
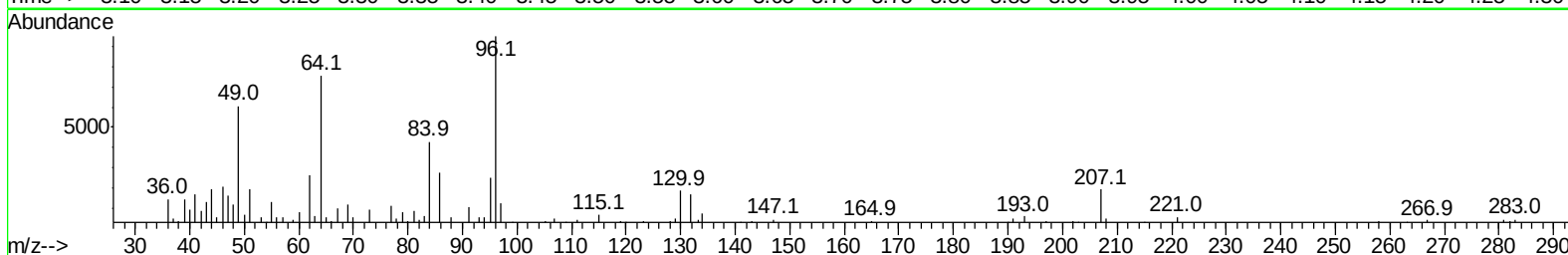
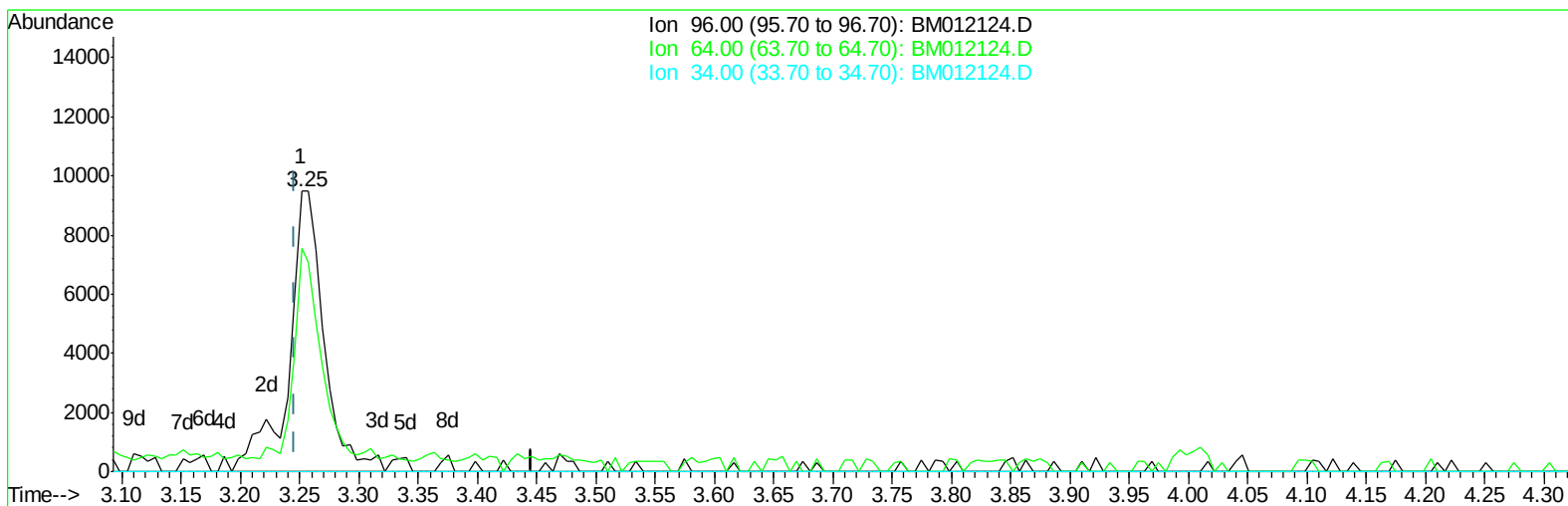
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:15:25 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: BM012124.D

(3) 1,4-Dioxane-d8 (S)

3.252min (+0.006) 2.07ng/uL m

response 19514

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	58.74#
34.00	0.00	0.00
0.00	0.00	0.00

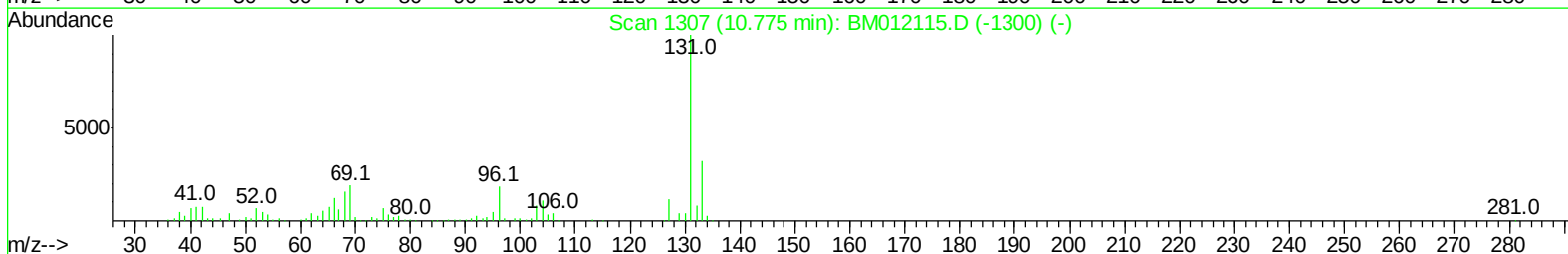
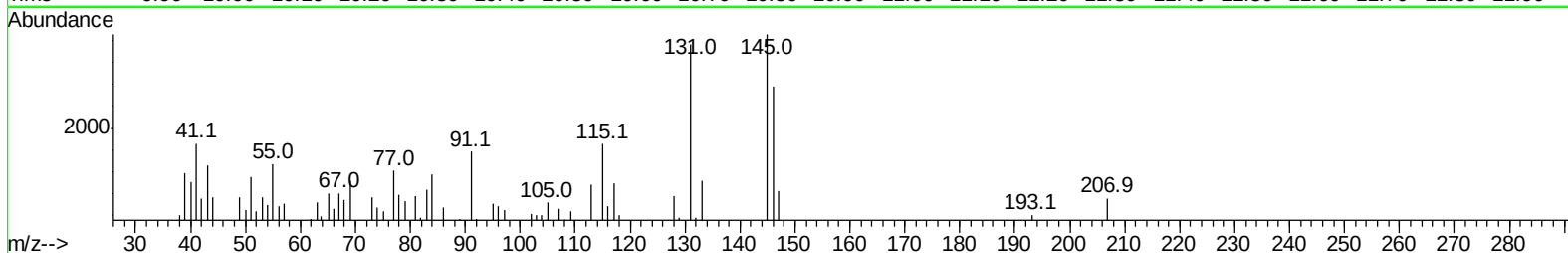
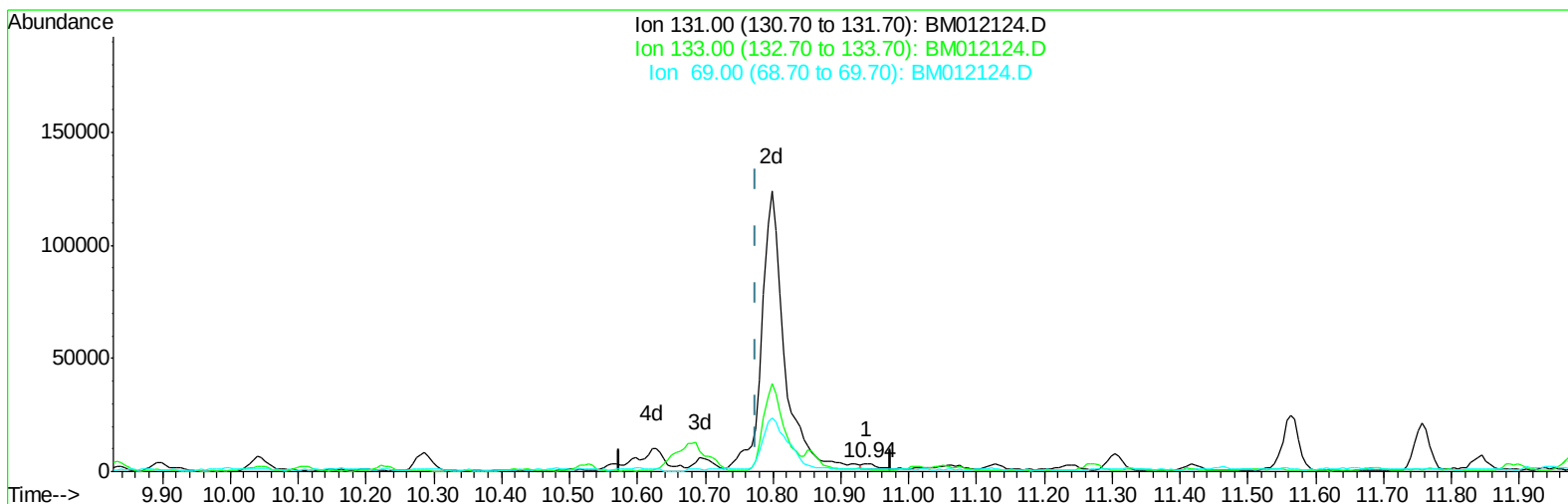
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:16:42 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: BM012124.D

(29) 4-Chloroaniline-d4 (S)
10.939min (+0.165) 0.11ng/ul
response 3077

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	29.34
69.00	24.30	29.14
0.00	0.00	0.00

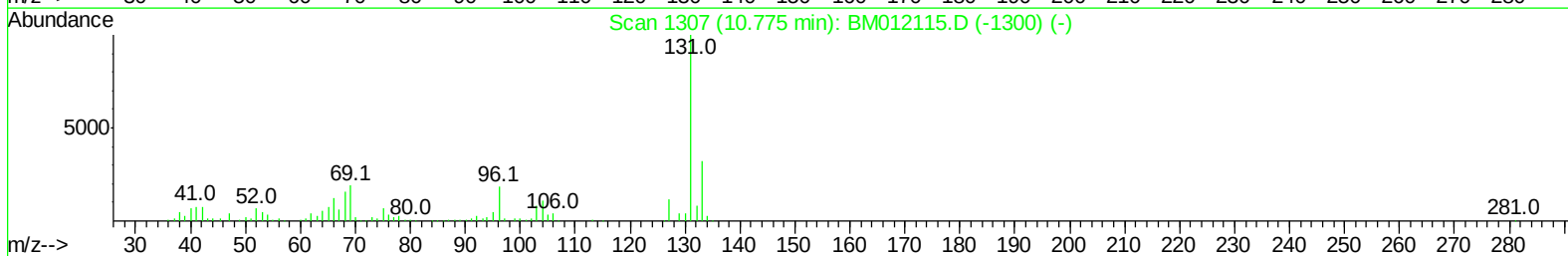
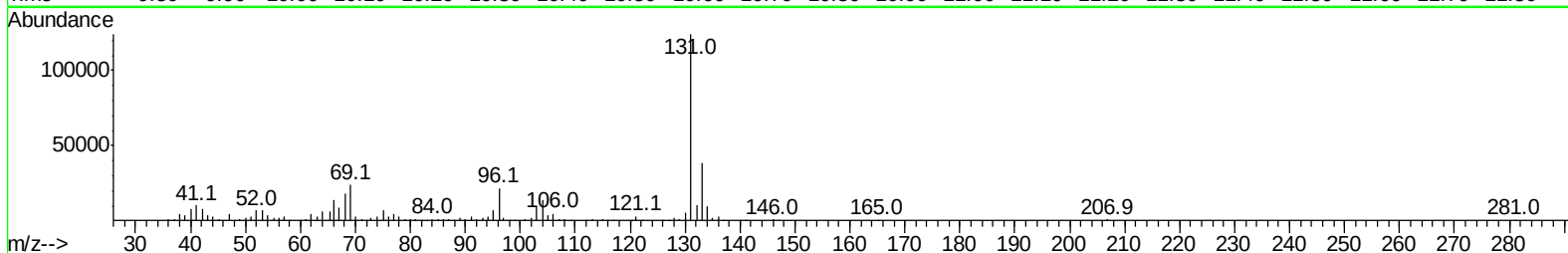
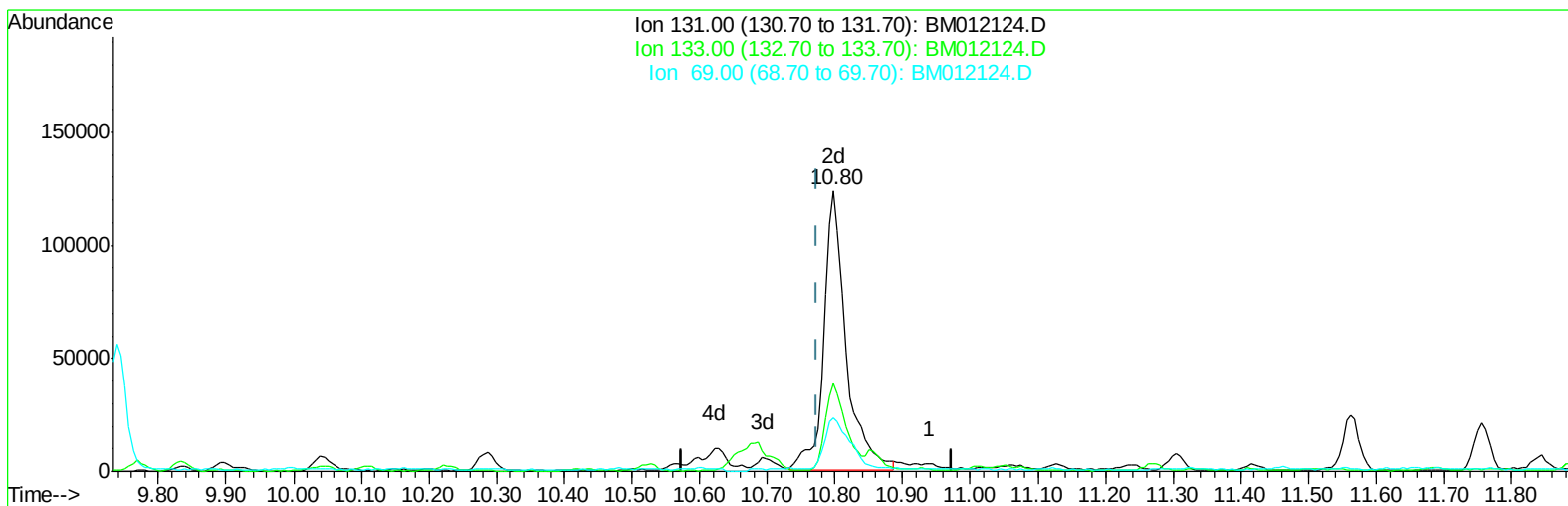
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Quant Time: Oct 13 07:16:42 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 12:37:08 PM



TIC: BM012124.D

(29) 4-Chloroaniline-d4 (S)

10.798min (+0.023) 9.88ng/ul m

response 282522

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	31.31
69.00	24.30	19.29#
0.00	0.00	0.00

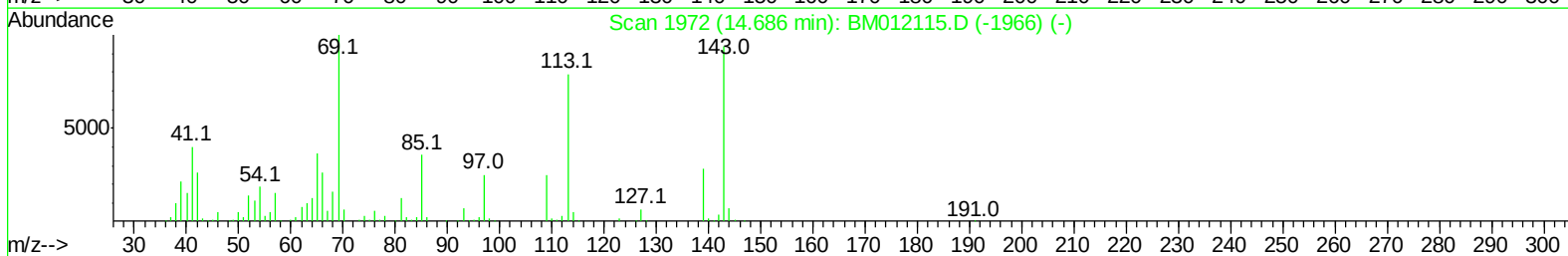
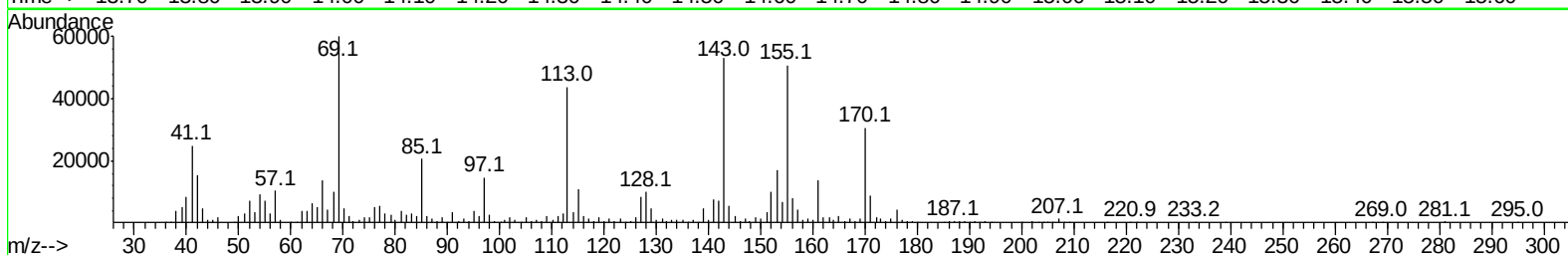
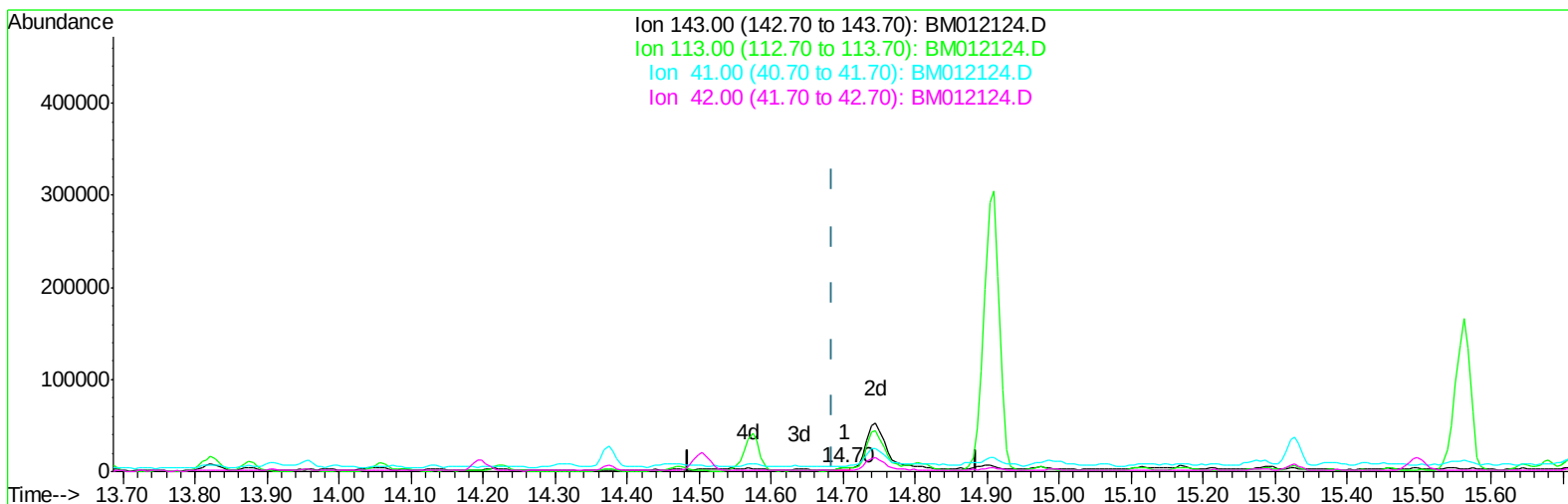
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:18:02 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: BM012124.D

(51) 4-Nitrophenol-d4 (S)
14.704min (+0.018) 0.21ng/ul
response 2497

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	98.76
41.00	34.80	150.46#
42.00	20.50	28.31#

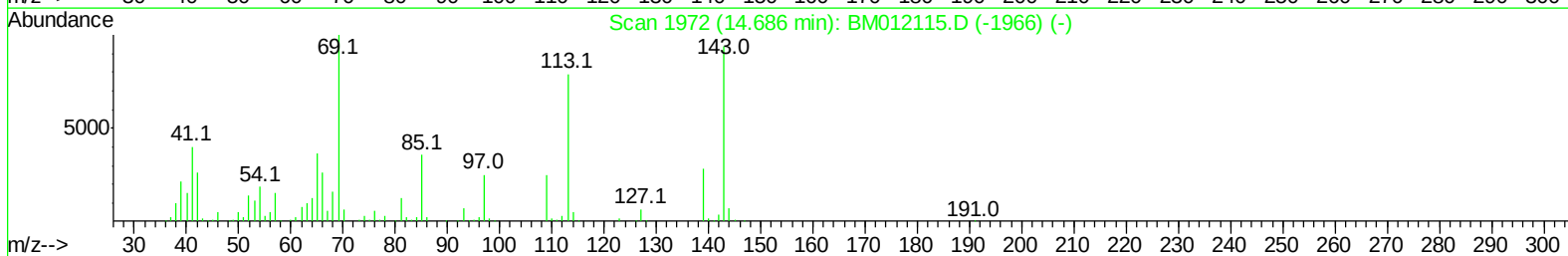
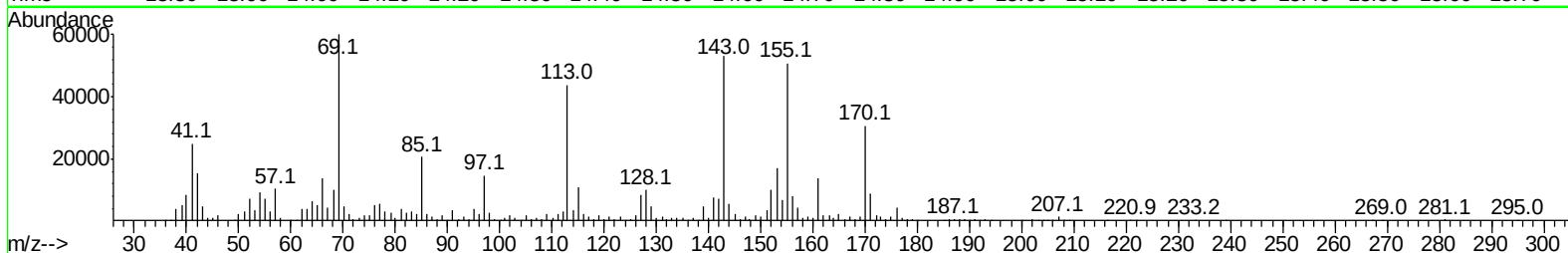
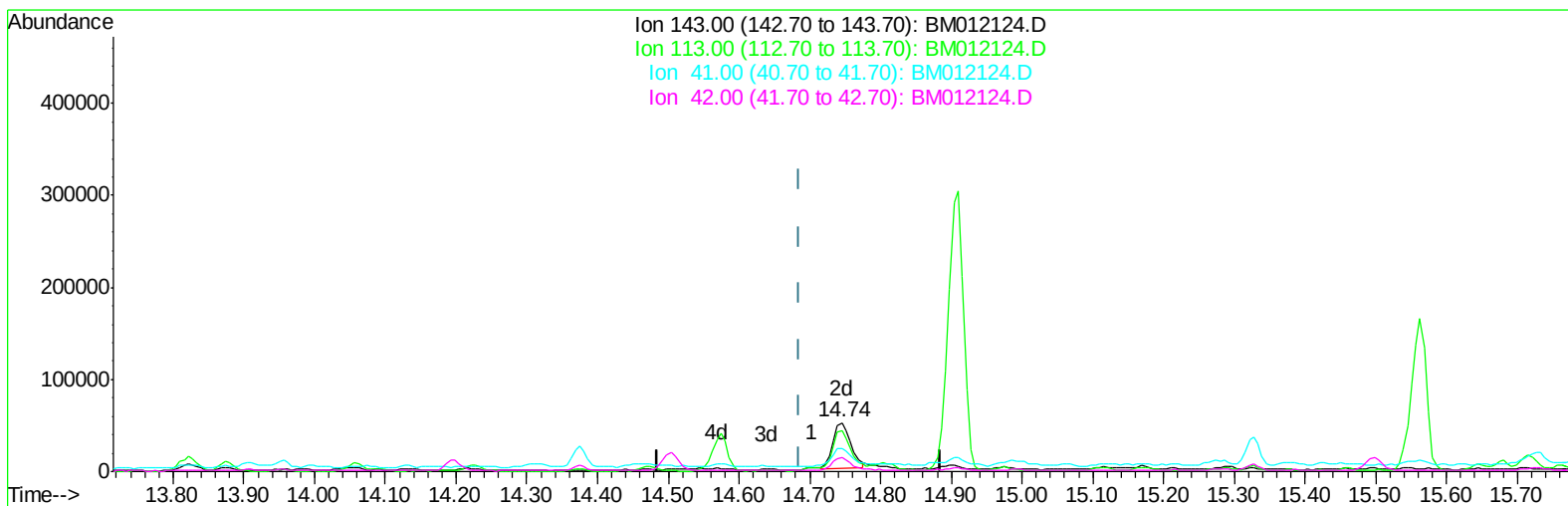
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:18:02 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: BM012124.D

(51) 4-Nitrophenol-d4 (S)

14.745min (+0.059) 7.25ng/ul m

response 87081

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	82.44#
41.00	34.80	47.15#
42.00	20.50	29.30#

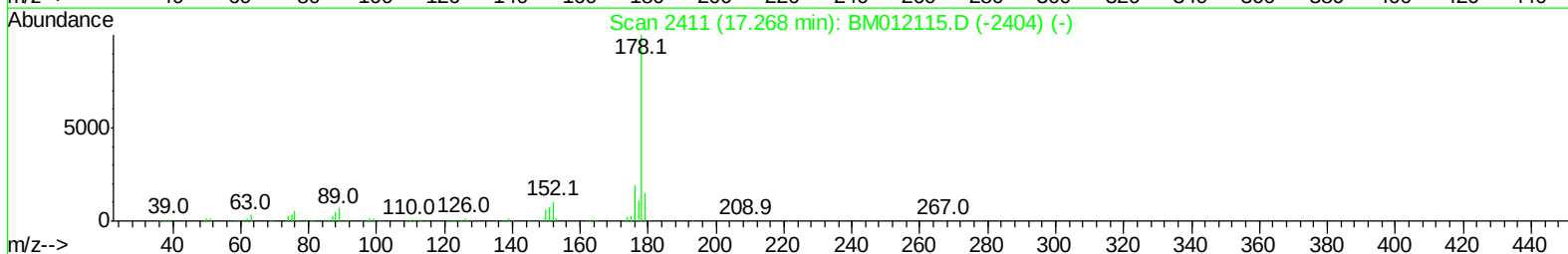
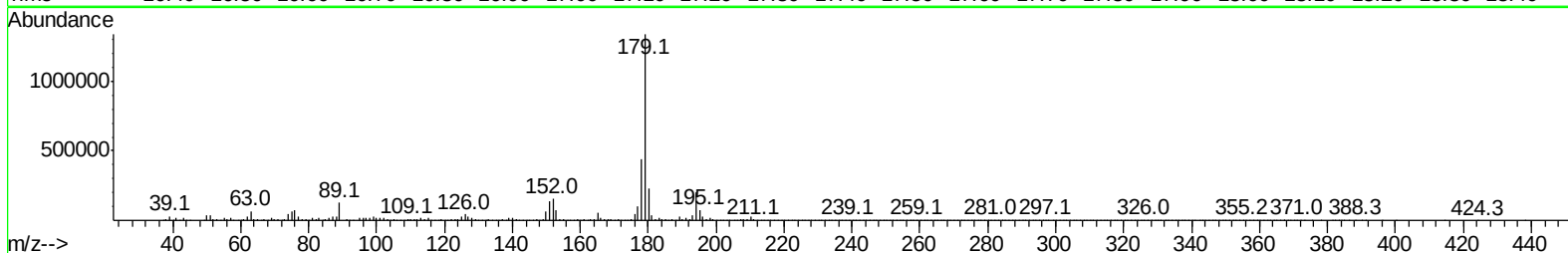
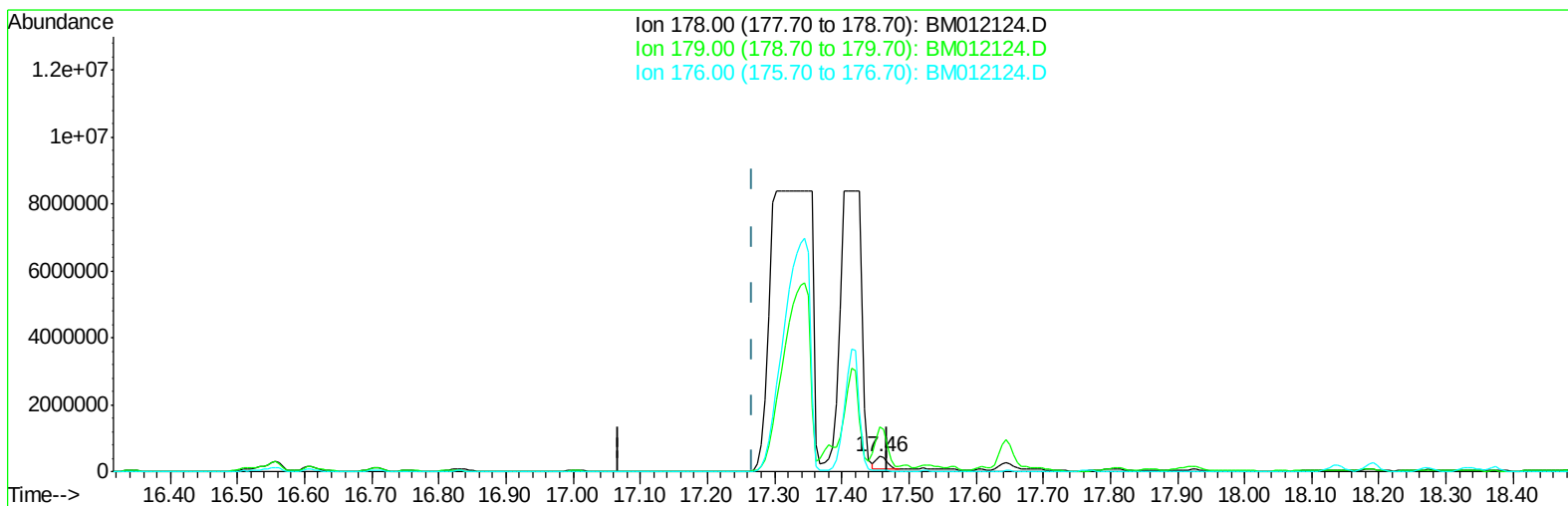
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:19:35 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: BM012124.D

(69) Phenanthrene

17.456min (+0.188) 4.37ng/ul

response 429045

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	302.53#
176.00	18.60	10.26#
0.00	0.00	0.00

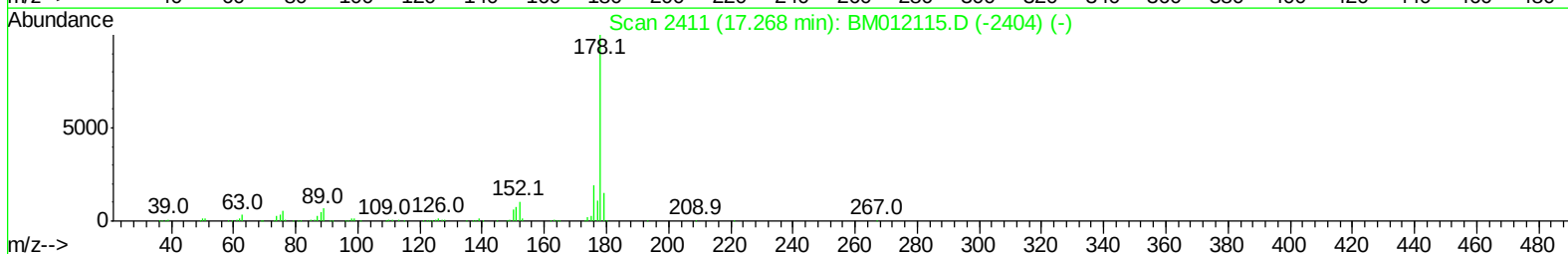
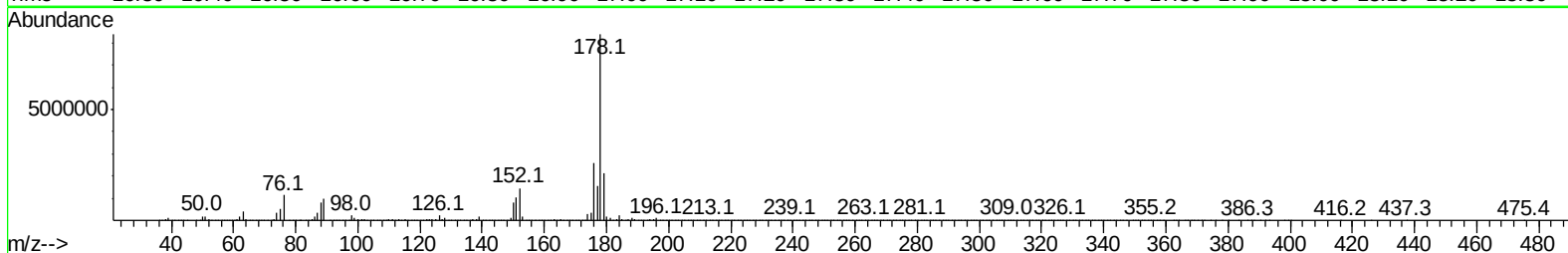
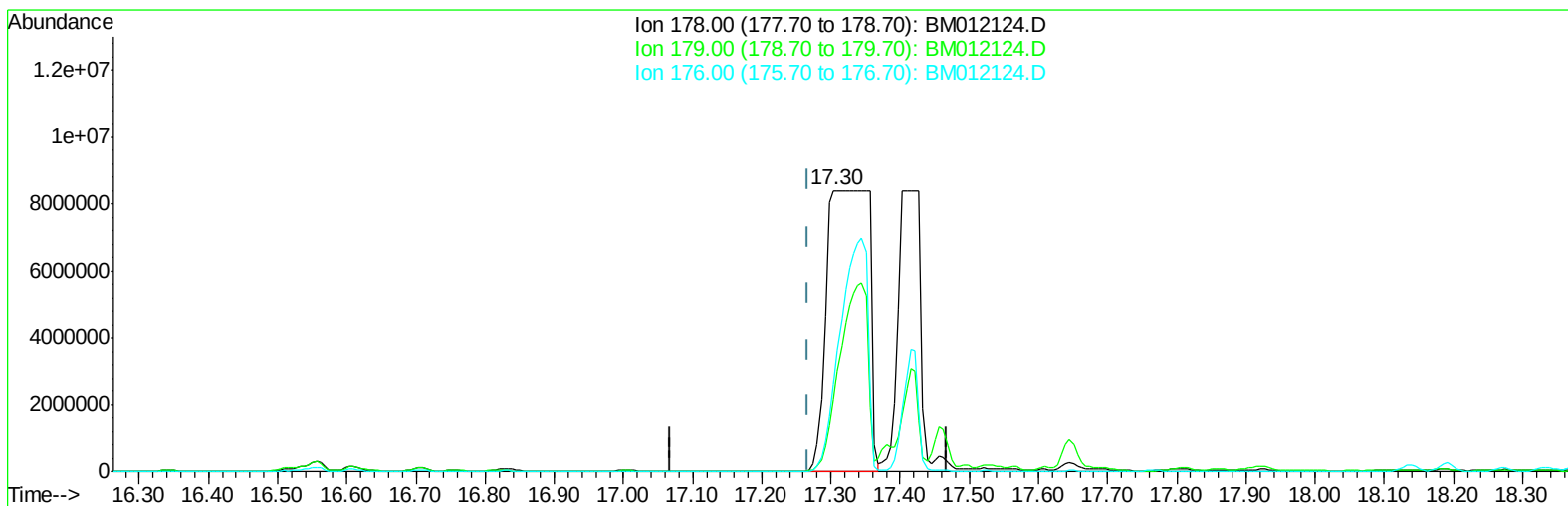
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:19:35 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: BM012124.D

(69) Phenanthrene

17.304min (+0.035) 362.24ng/ul m

response 35593033

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	25.59#
176.00	18.60	30.71#
0.00	0.00	0.00

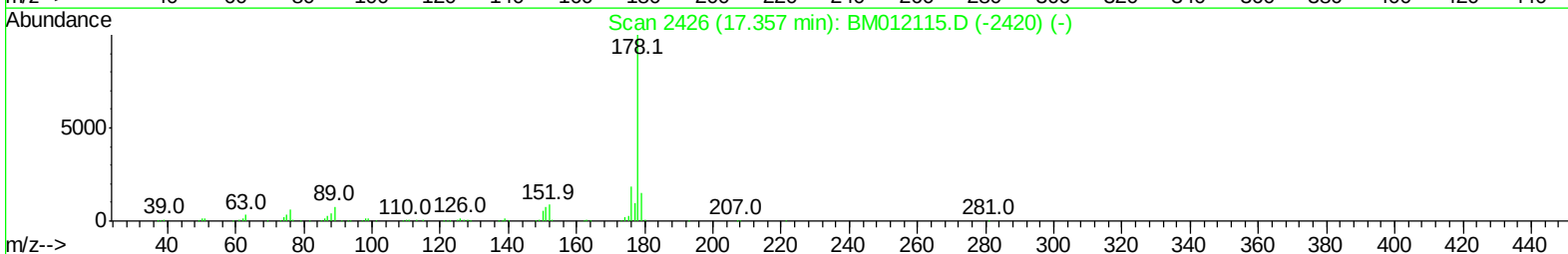
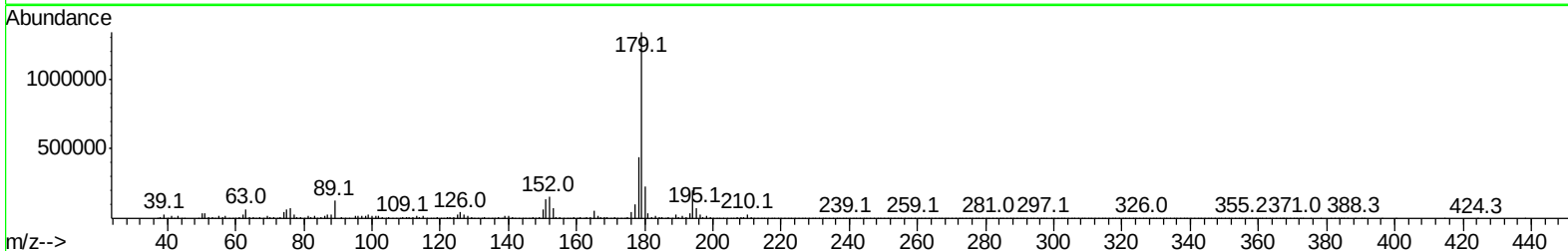
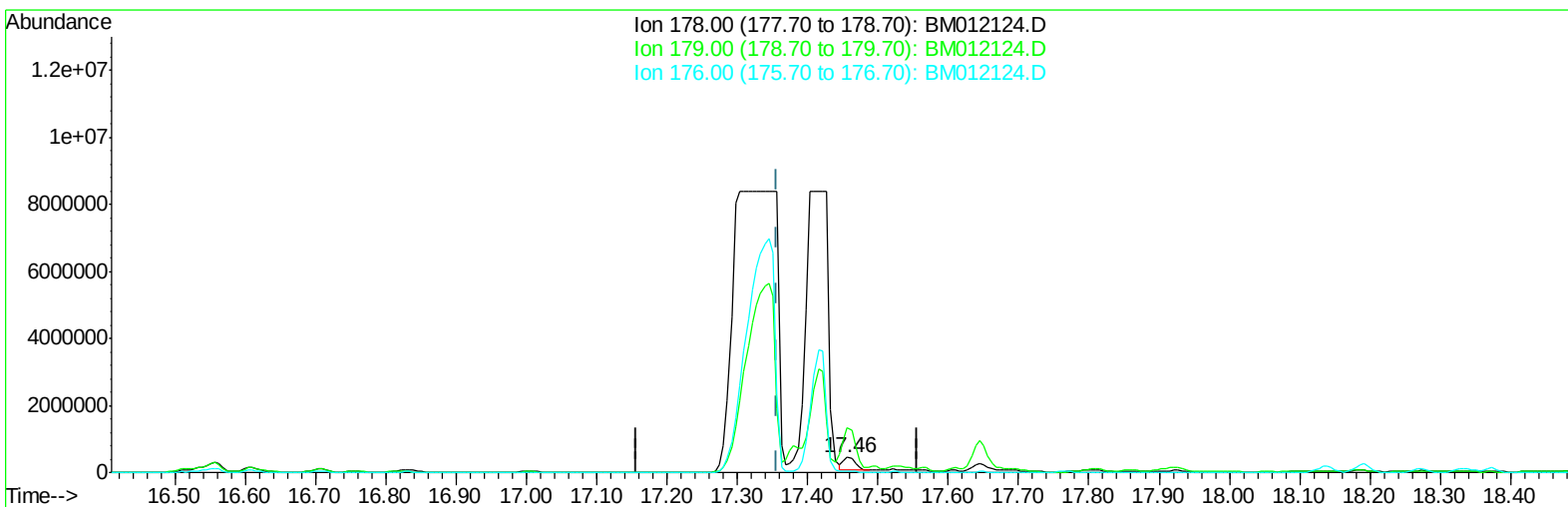
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:19:35 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: BM012124.D

(71) Anthracene

17.456min (+0.100) 4.22ng/ul

response 429045

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	302.53#
176.00	18.20	10.26#
0.00	0.00	0.00

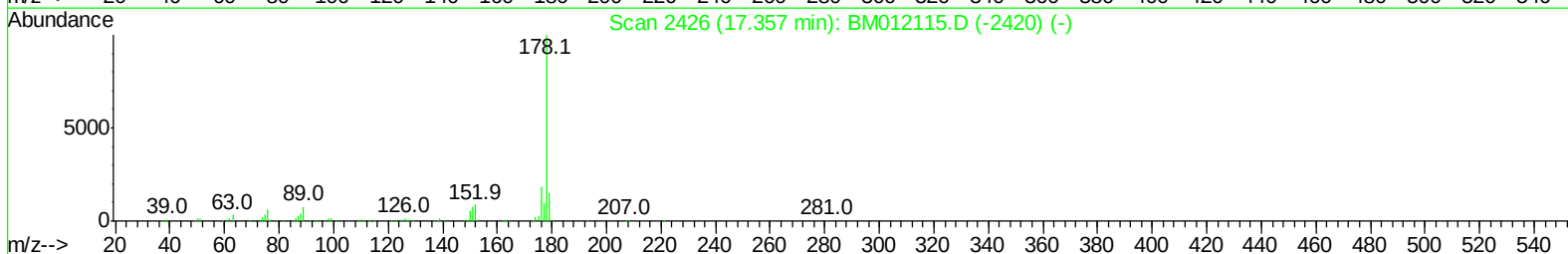
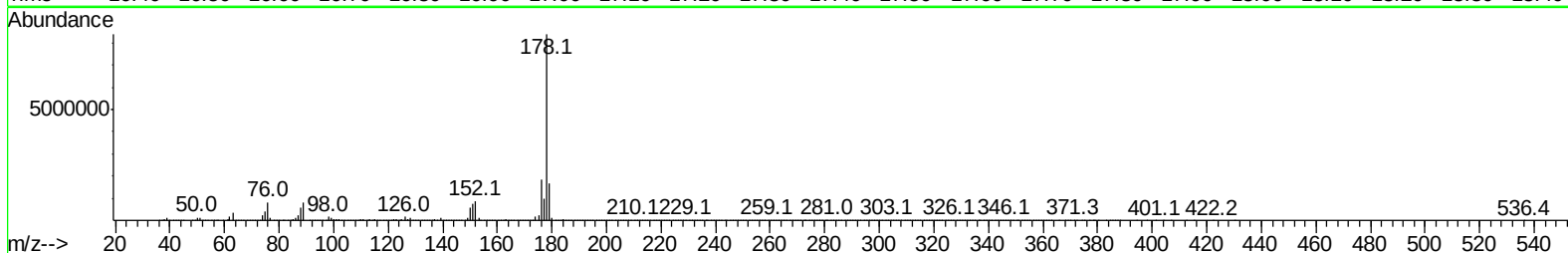
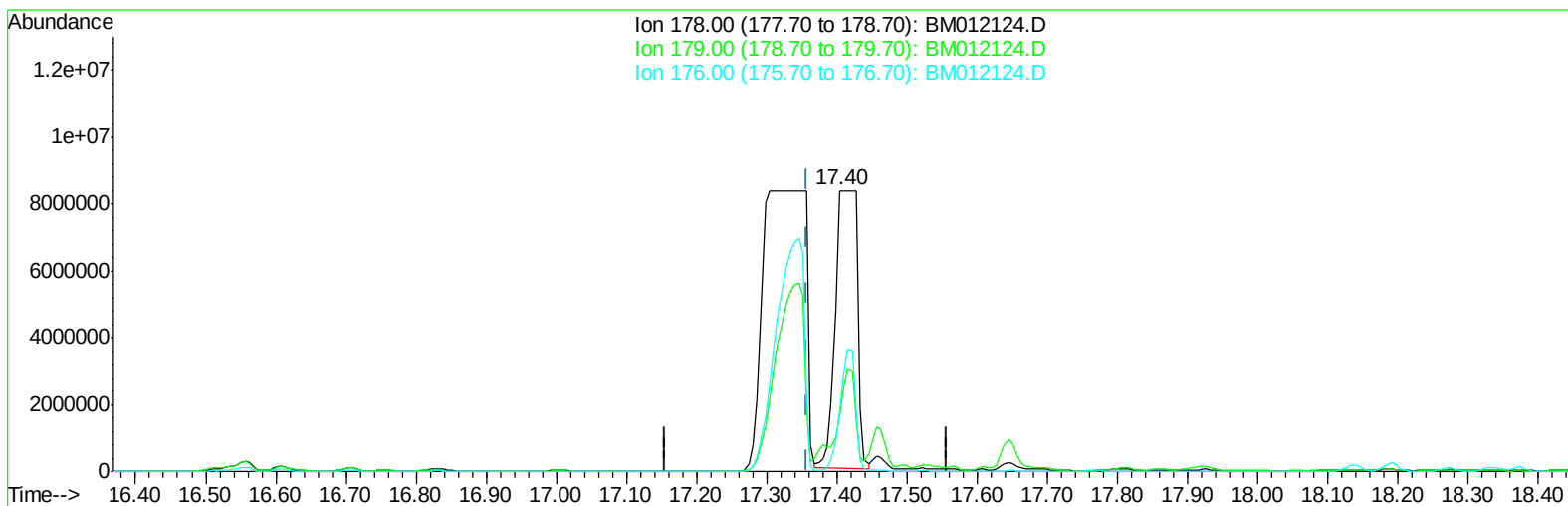
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:19:35 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: BM012124.D

(71) Anthracene

17.404min (+0.047) 177.78ng/ul m

response 18084173

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	20.01#
176.00	18.20	22.03#
0.00	0.00	0.00

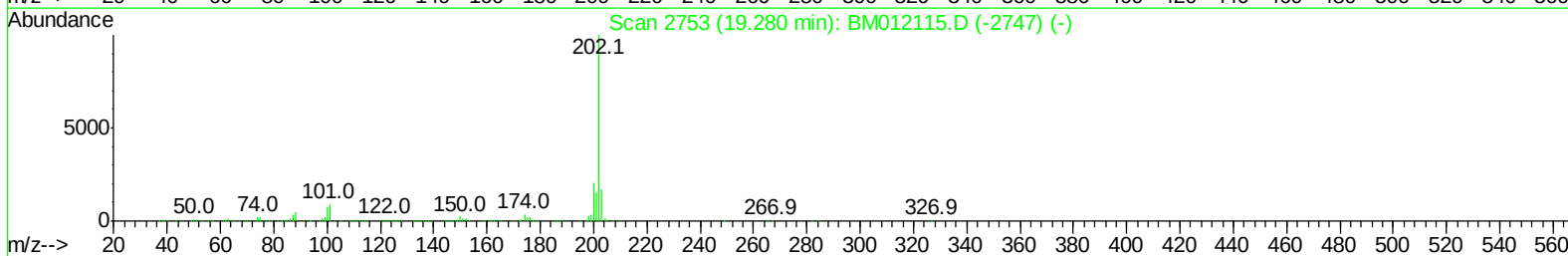
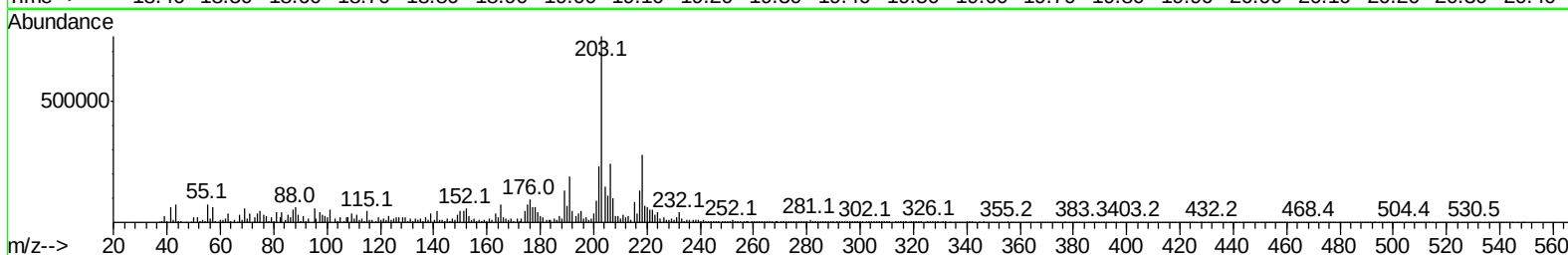
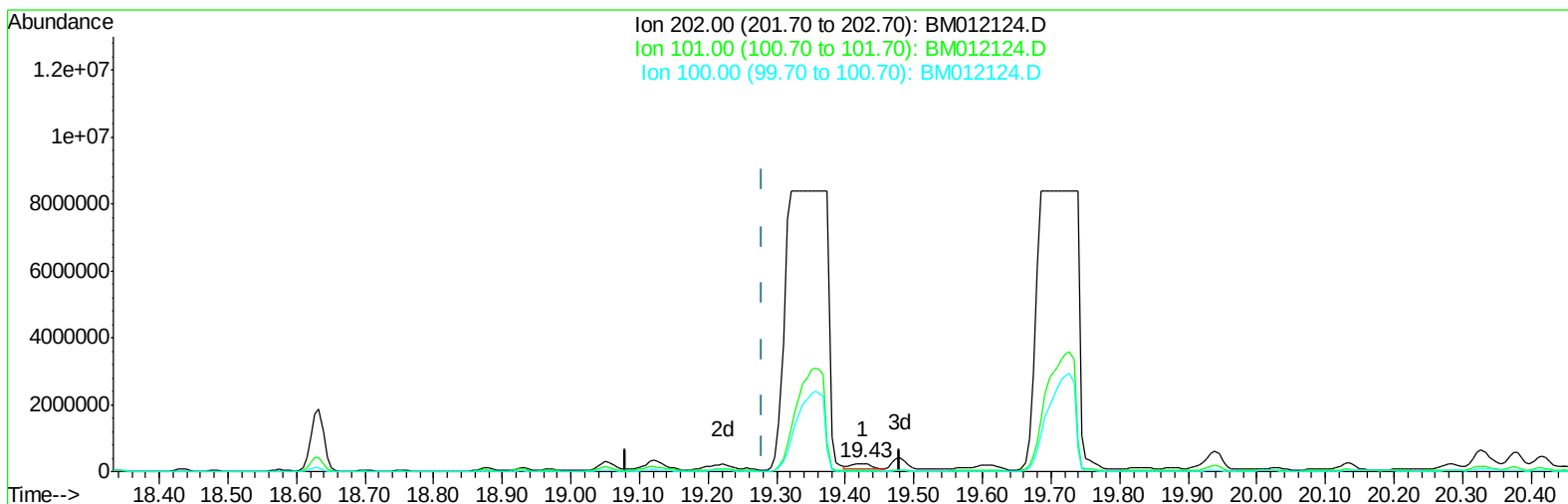
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:19:35 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: BM012124.D

(74) Fluoranthene (C)

19.427min (+0.147) 2.72ng/ul

response 322282

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	23.56#
100.00	4.30	8.37#
0.00	0.00	0.00

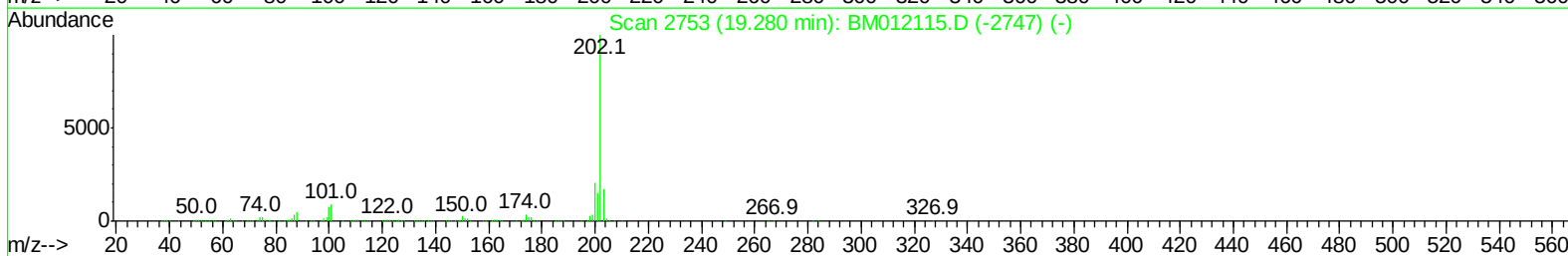
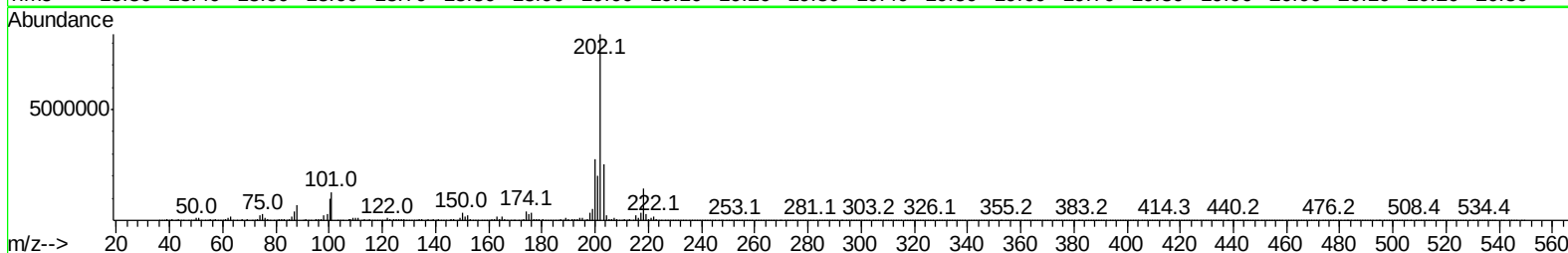
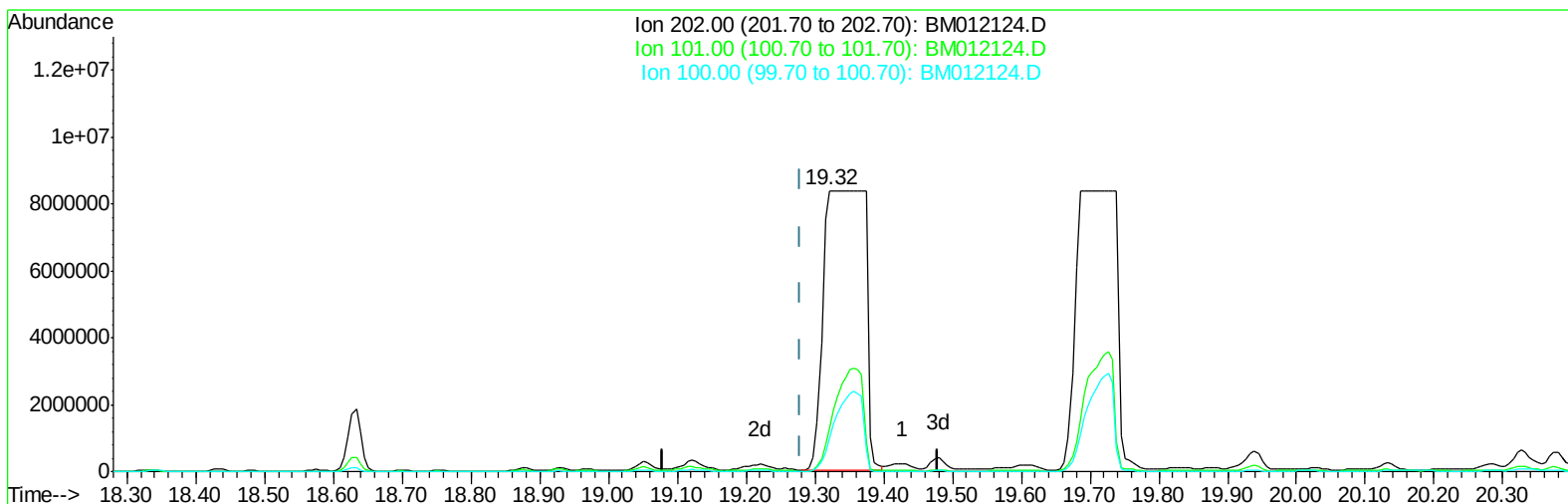
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Quant Time: Oct 13 07:19:35 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 12:37:08 PM



TIC: BM012124.D

(74) Fluoranthene (C)

19.321min (+0.041) 292.25ng/ul m

response 34654057

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	15.43#
100.00	4.30	11.71#
0.00	0.00	0.00

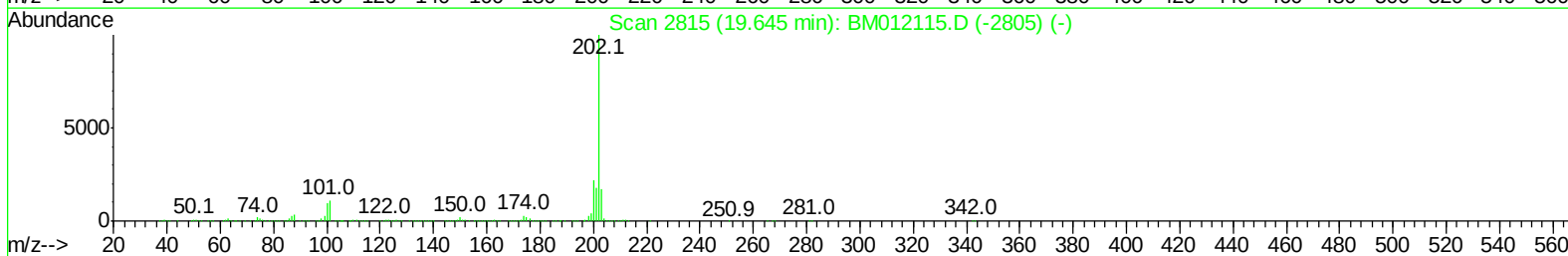
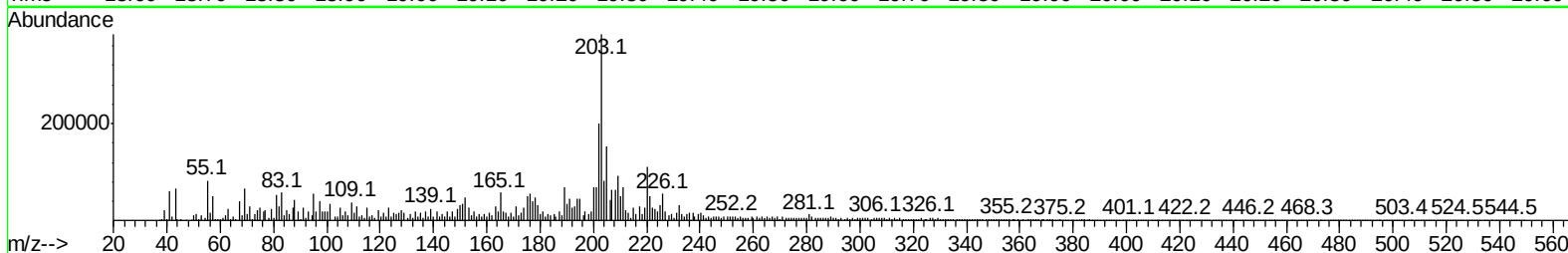
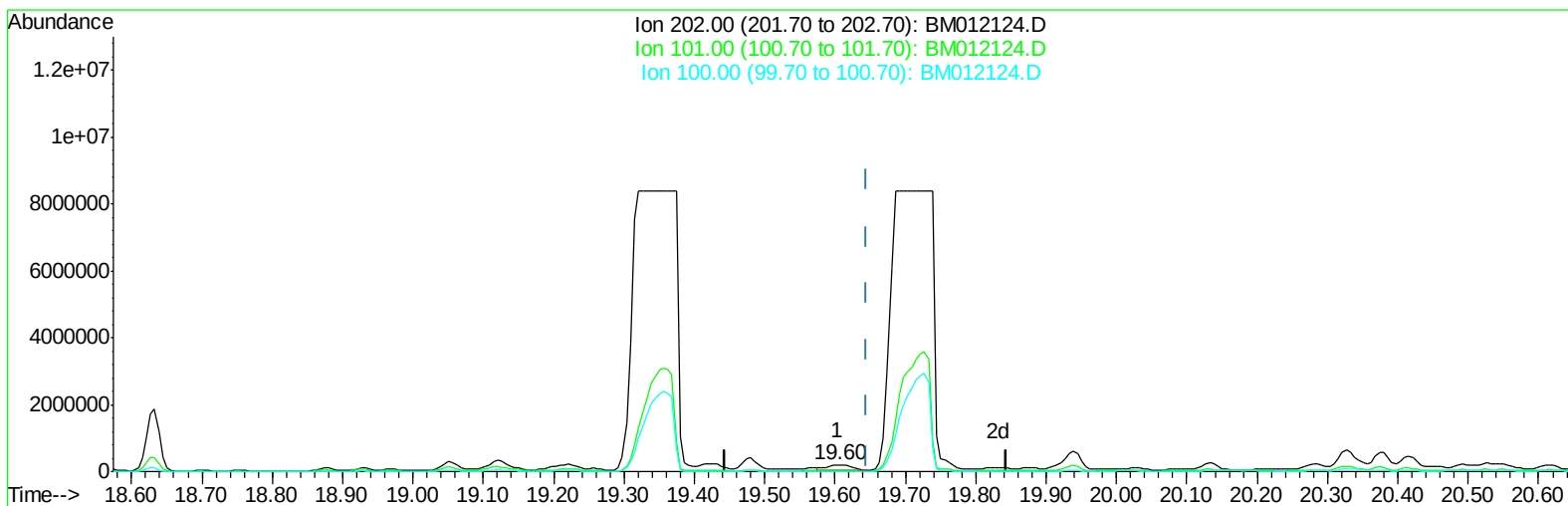
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:19:35 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: BM012124.D

(77) Pyrene

19.603min (-0.041) 2.21ng/ul

response 366689

Ion	Exp%	Act%
202.00	100	100
101.00	6.40	16.85#
100.00	6.10	9.19#
0.00	0.00	0.00

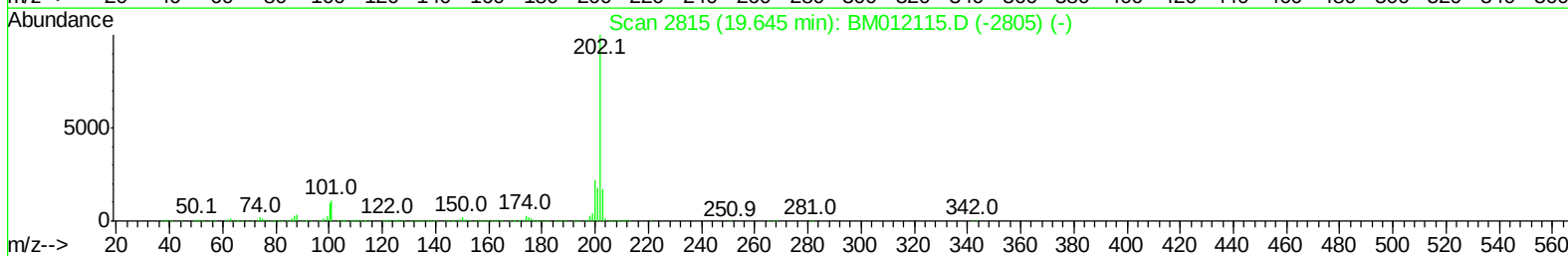
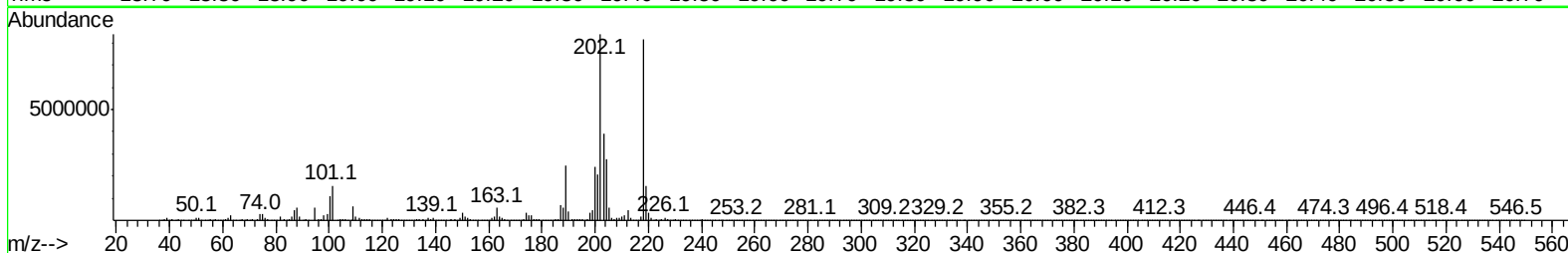
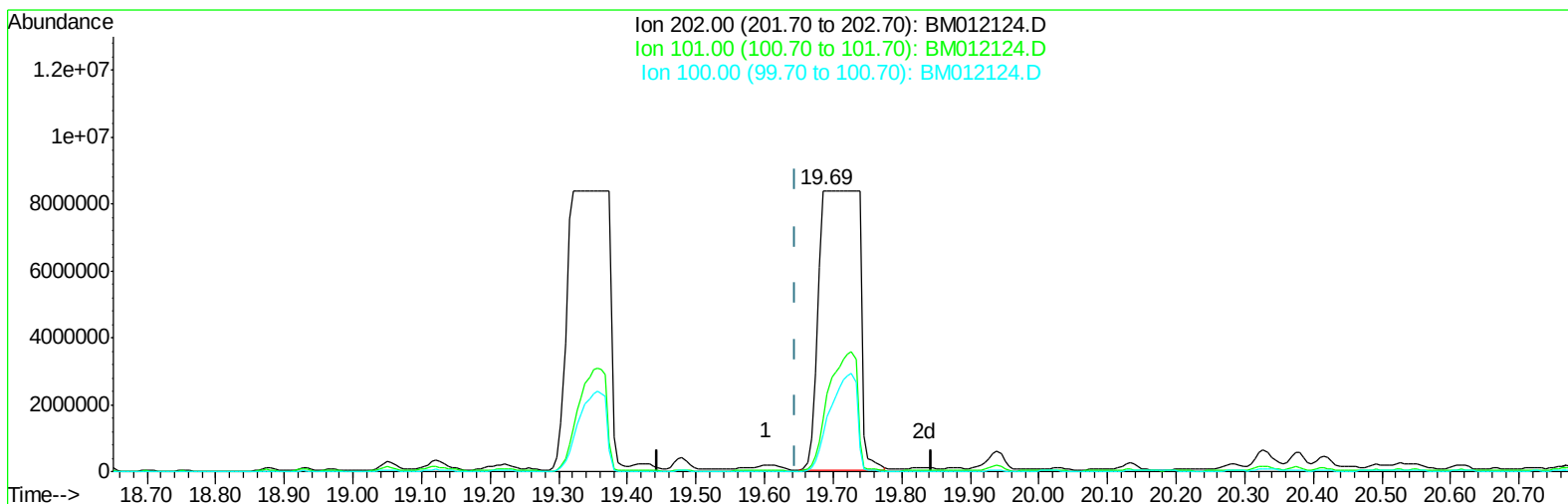
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:19:35 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: BM012124.D

(77) Pyrene

19.686min (+0.041) 203.68ng/ul m

response 33839992

Ion	Exp%	Act%
202.00	100	100
101.00	6.40	18.60#
100.00	6.10	13.09#
0.00	0.00	0.00

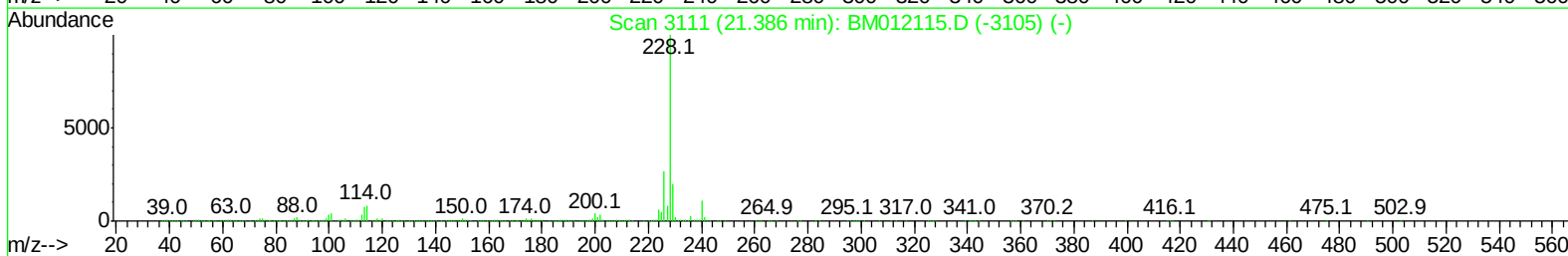
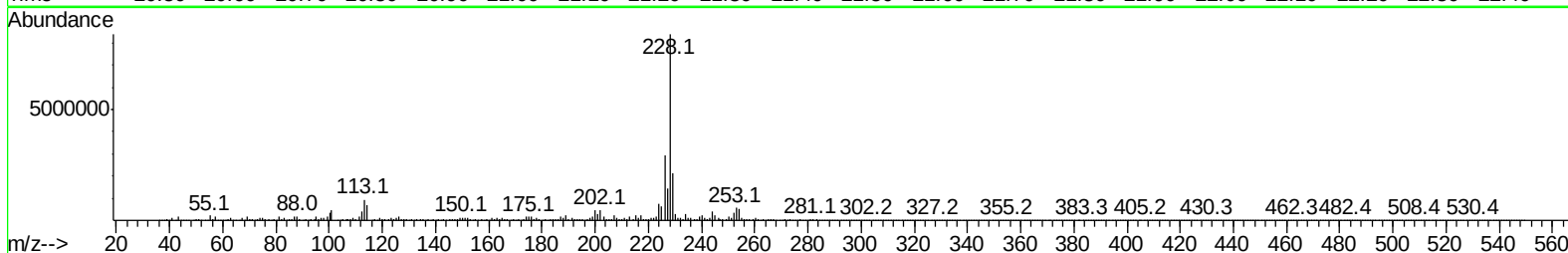
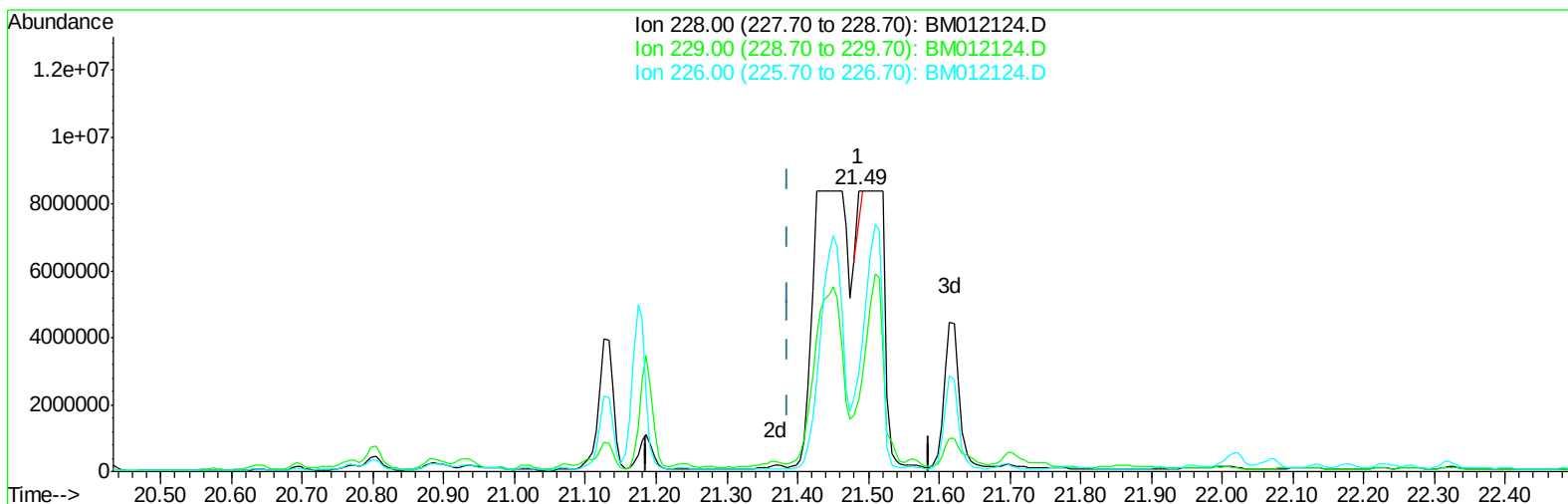
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Quant Time: Oct 13 07:19:35 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
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Sohil
10/15/2017 12:37:08 PM



TIC: BM012124.D

(80) Benzo(a)anthracene
21.486min (+0.100) 6.87ng/ul
response 1125082

Ion	Exp%	Act%
228.00	100	100
229.00	19.20	25.52#
226.00	26.70	35.09#
0.00	0.00	0.00

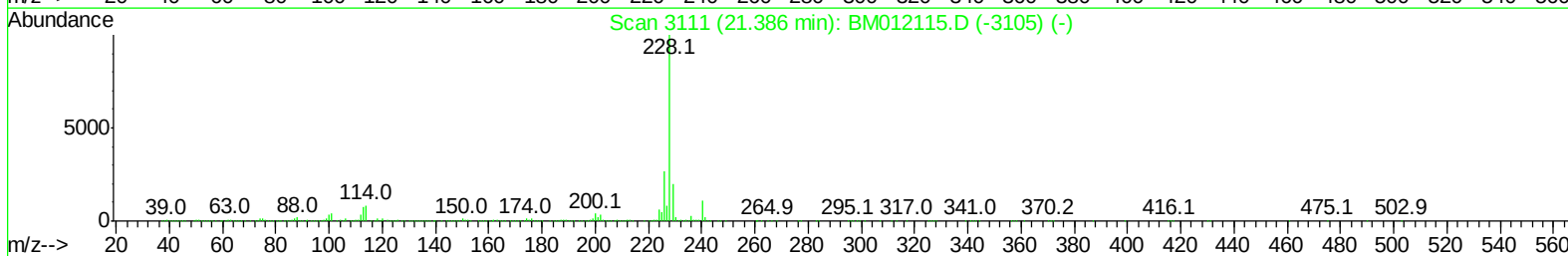
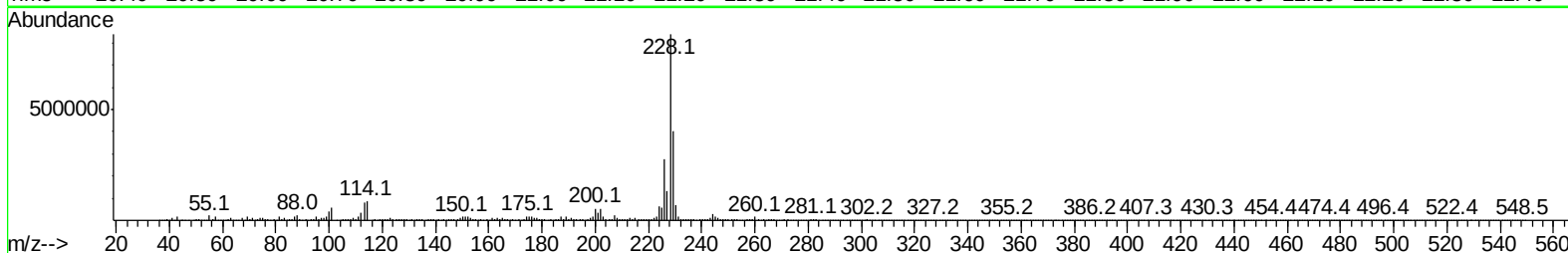
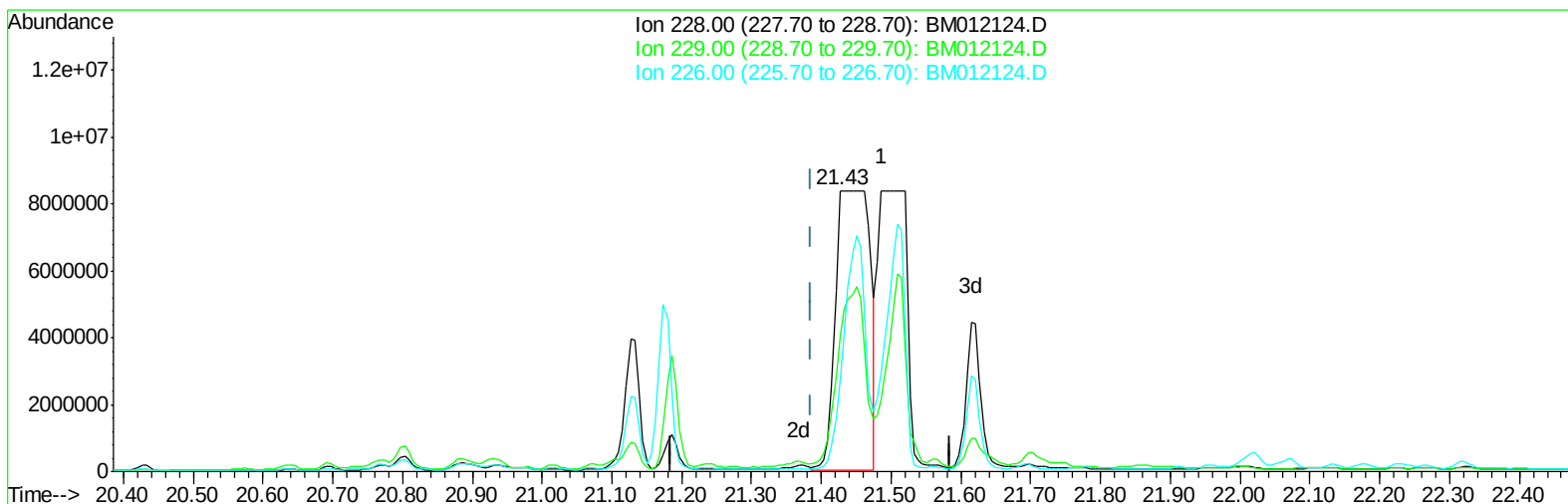
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Quant Time: Oct 13 07:19:35 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
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TIC: BM012124.D

(80) Benzo(a)anthracene

21.427min (+0.041) 172.94ng/ul m

response 28310295

Ion	Exp%	Act%
228.00	100	100
229.00	19.20	48.26#
226.00	26.70	32.74#
0.00	0.00	0.00

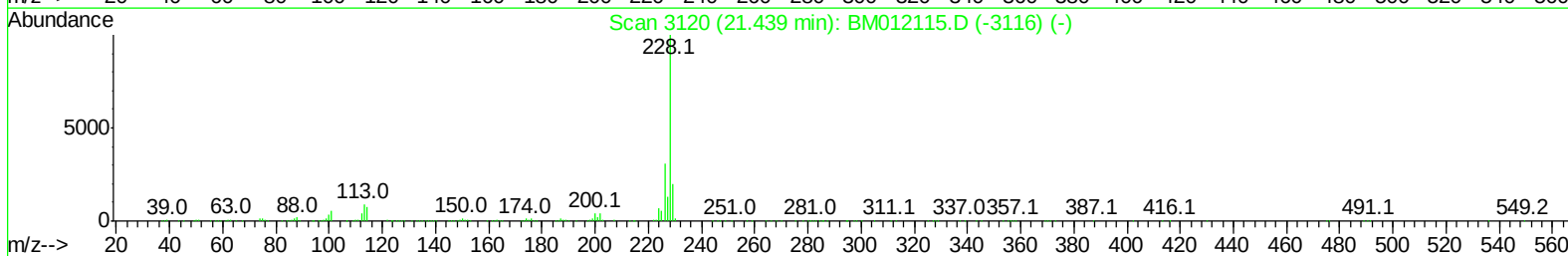
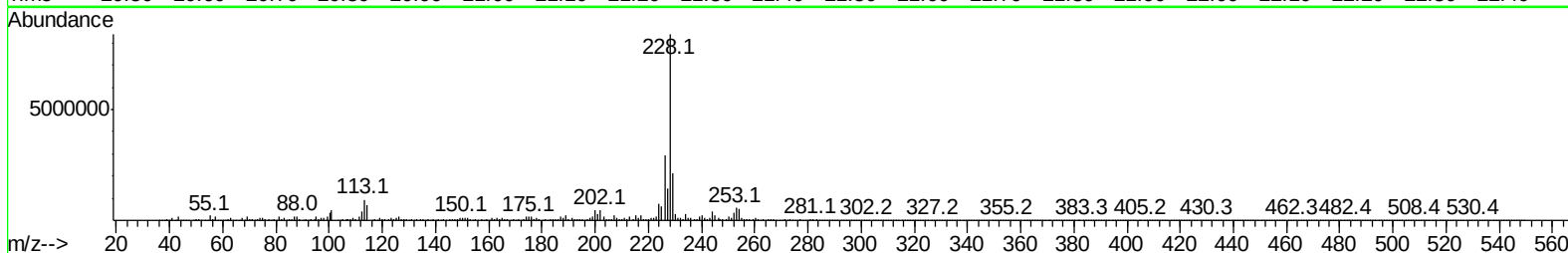
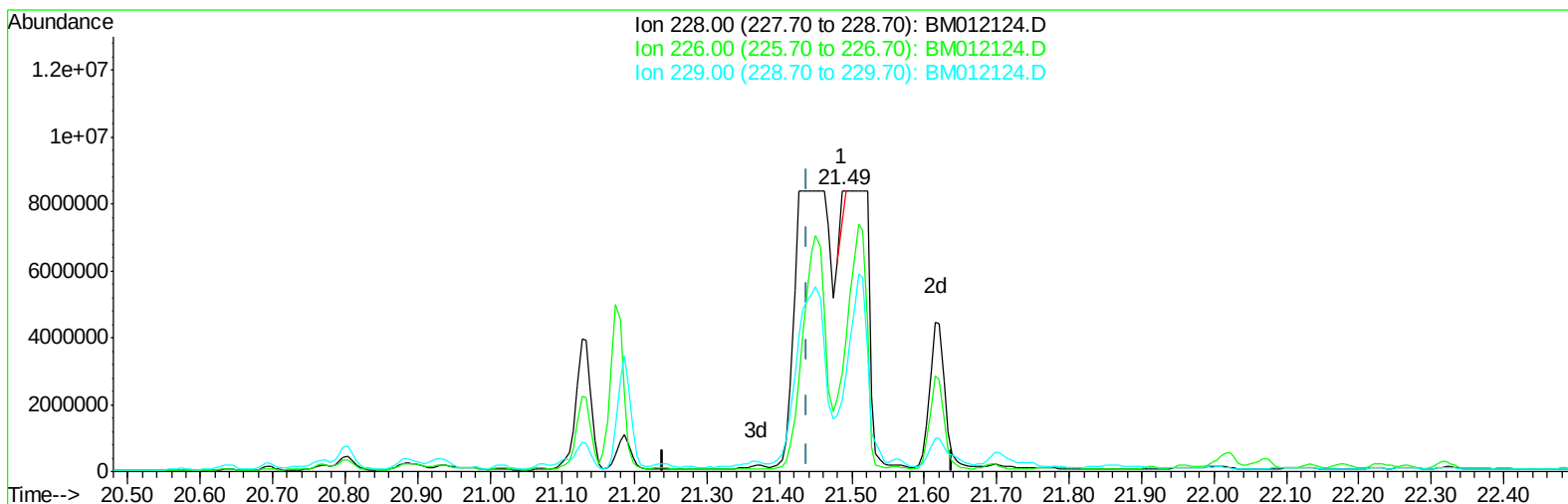
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(82) Chrysene

21.486min (+0.047) 7.32ng/ul

response 1125082

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	35.09
229.00	19.40	25.52#
0.00	0.00	0.00

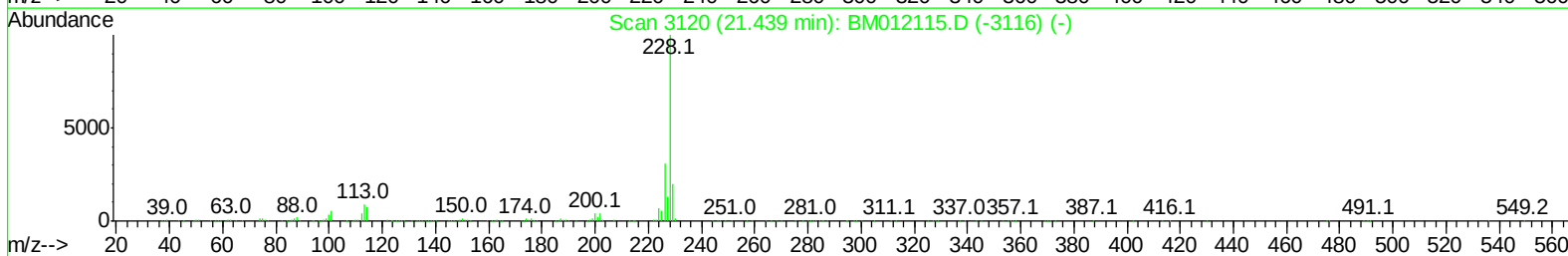
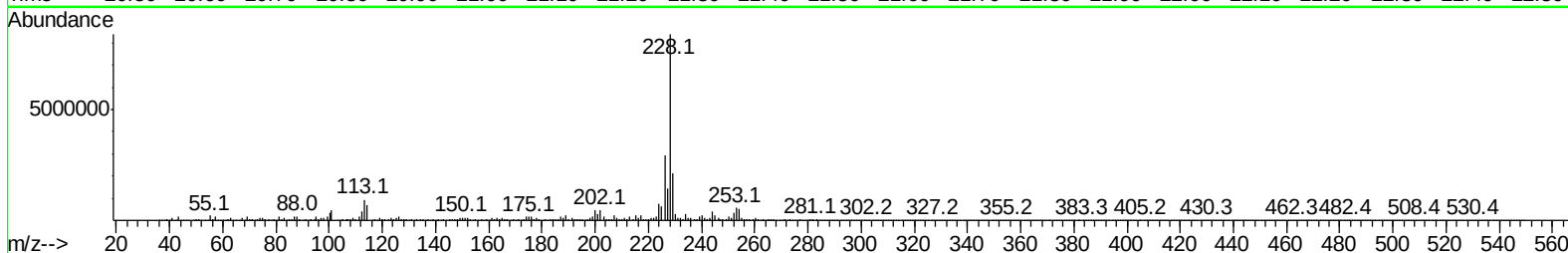
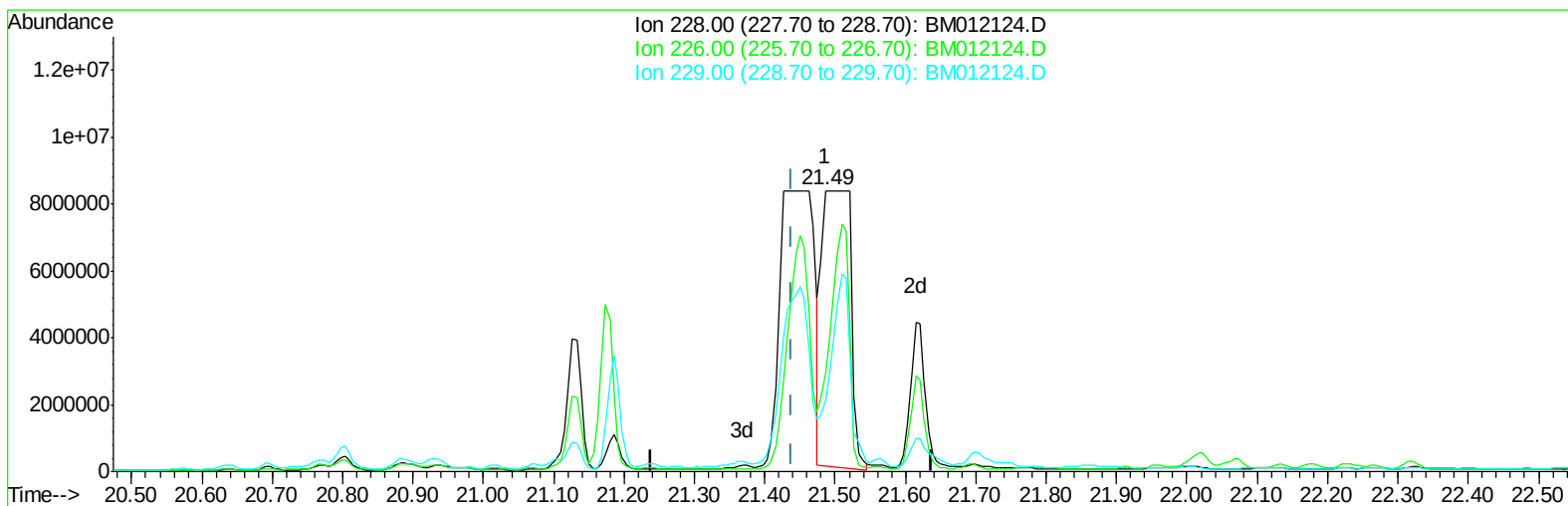
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(82) Chrysene

21.486min (+0.047) 153.97ng/ul m

response 23663012

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	35.09
229.00	19.40	25.52#
0.00	0.00	0.00

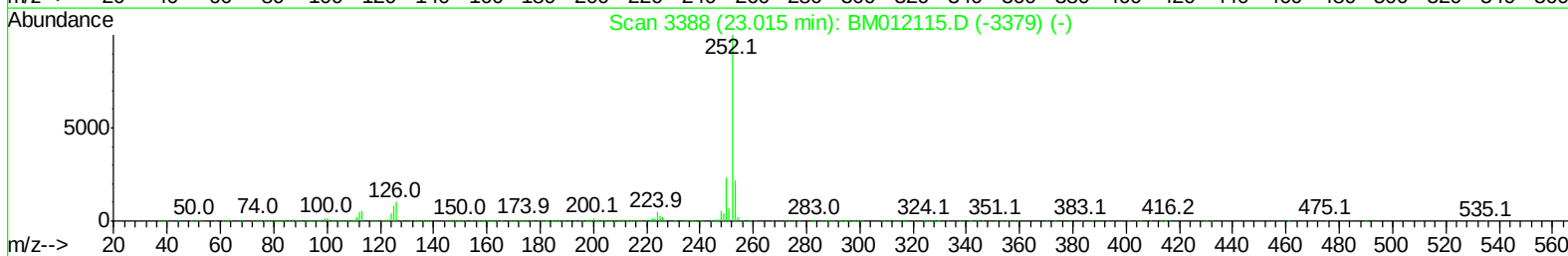
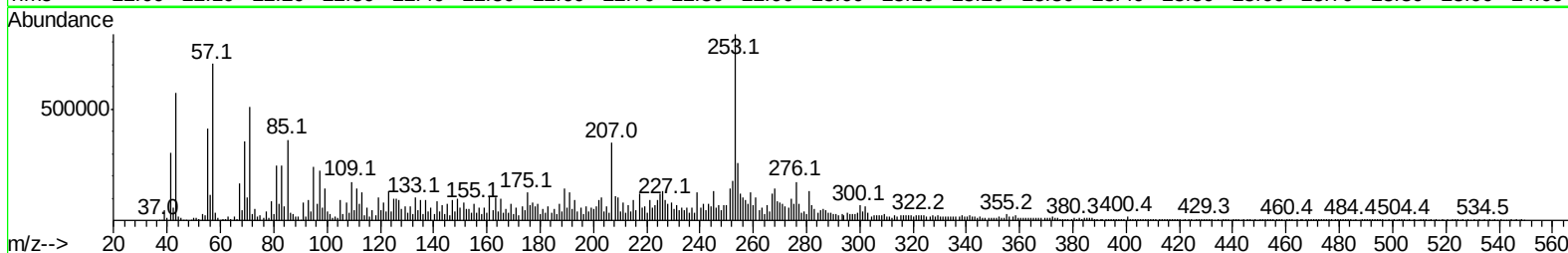
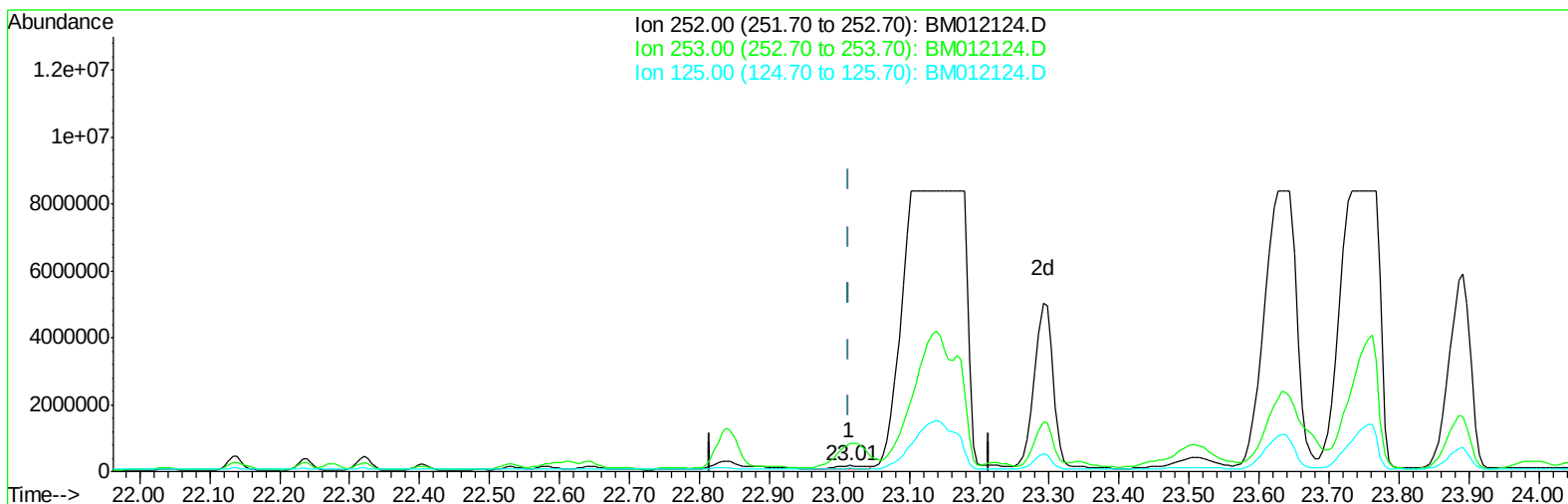
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(85) Benzo(b)fluoranthene

23.015min (-0.000) 1.82ng/ul

response 306613

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	462.87#
125.00	4.50	55.05#
0.00	0.00	0.00

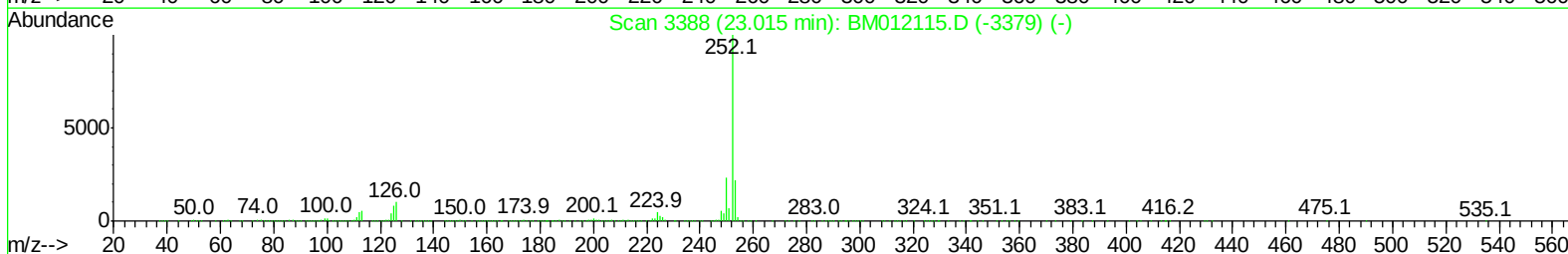
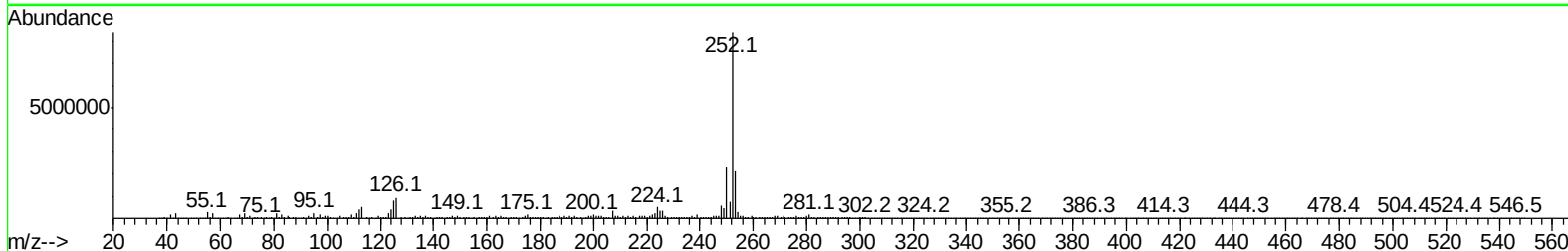
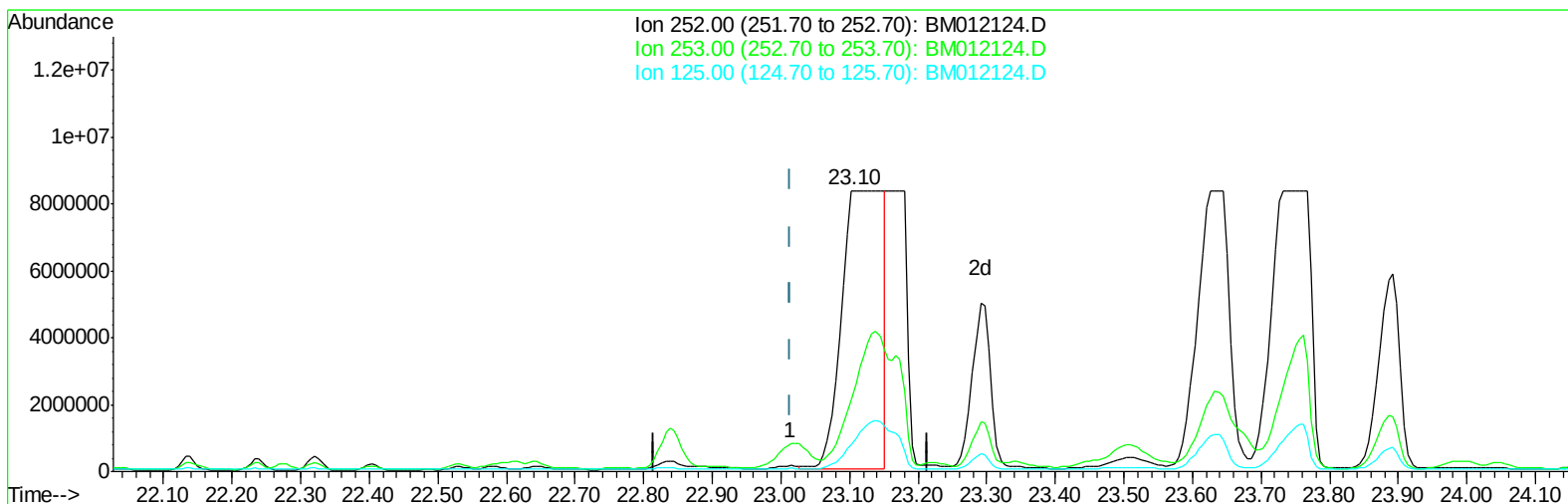
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(85) Benzo(b)fluoranthene

23.103min (+0.088) 203.62ng/ul m

response 34256945

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	25.62
125.00	4.50	9.58#
0.00	0.00	0.00

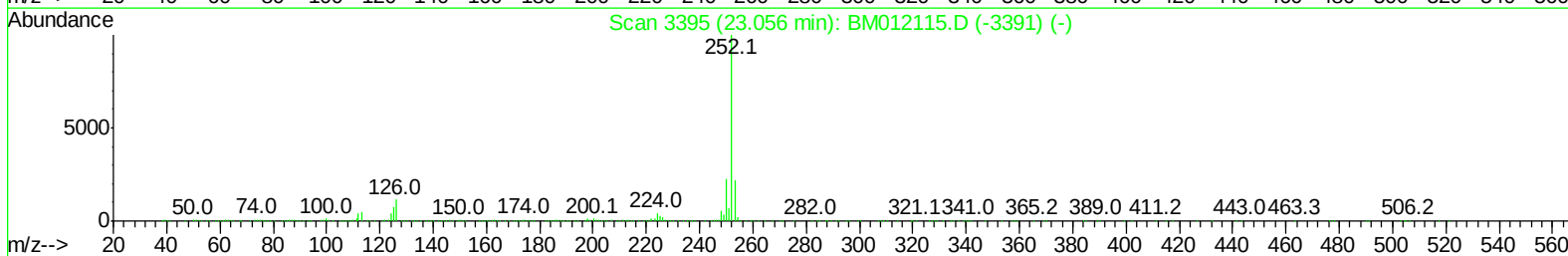
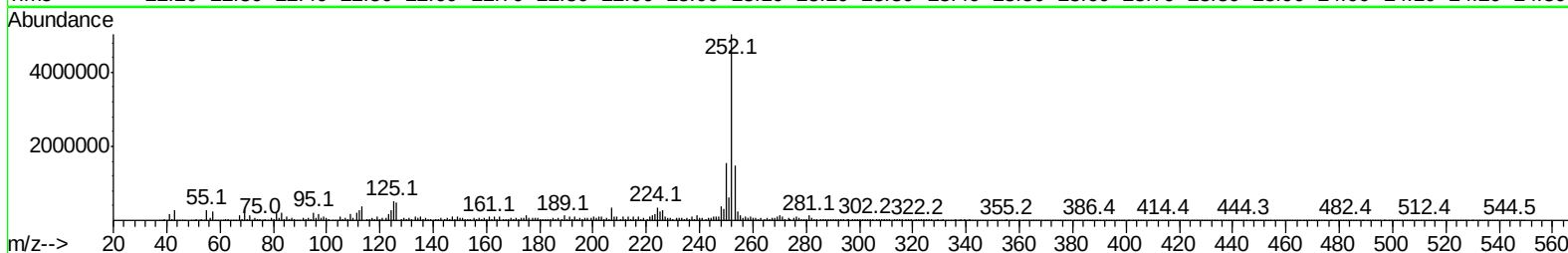
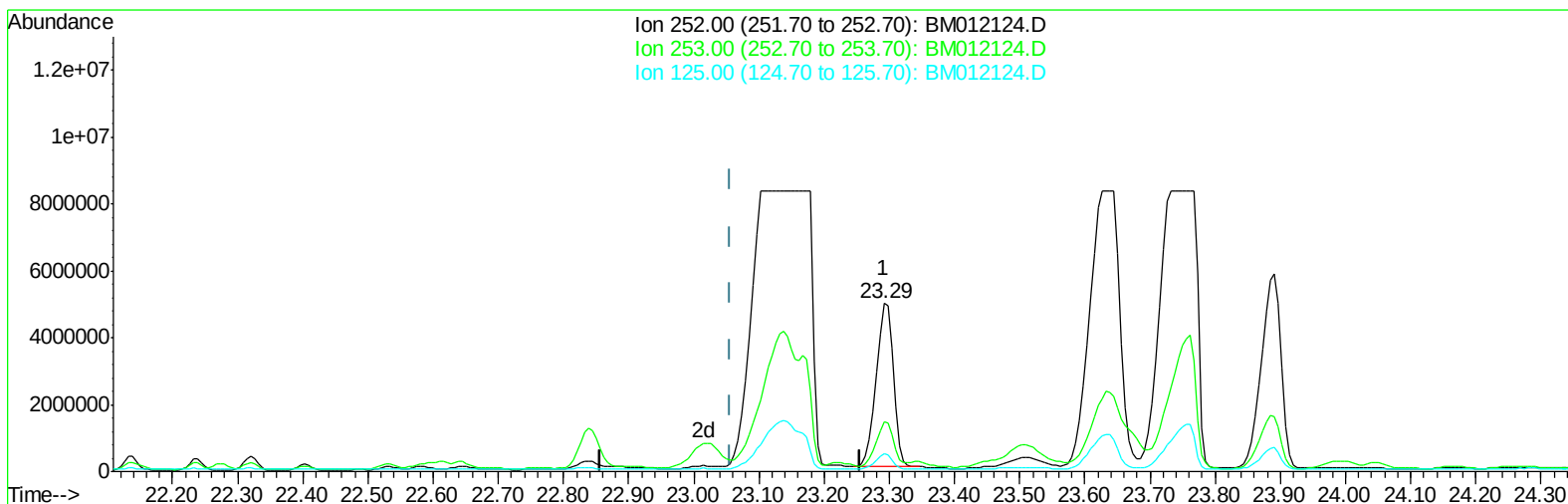
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(86) Benzo(k)fluoranthene

23.291min (+0.235) 55.67ng/ul

response 9026516

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	29.32#
125.00	4.30	10.43#
0.00	0.00	0.00

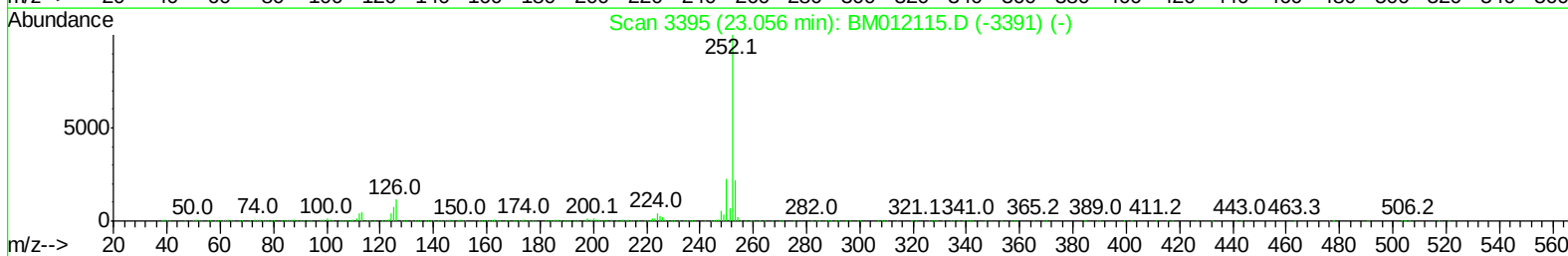
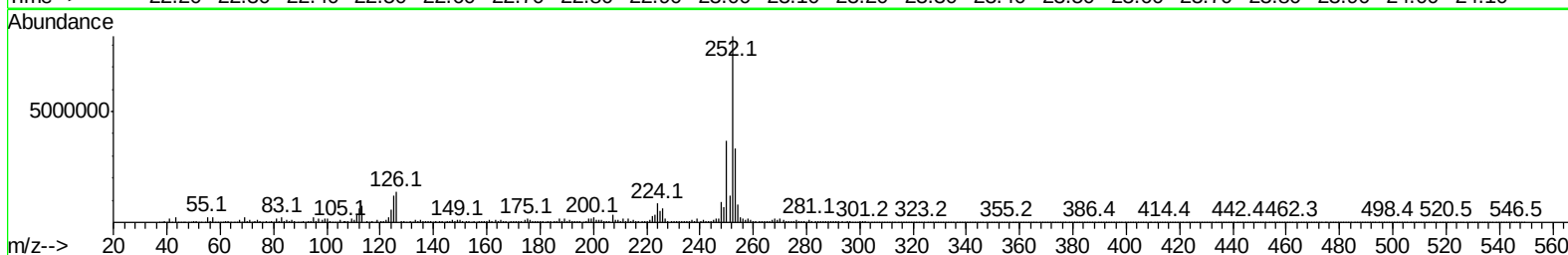
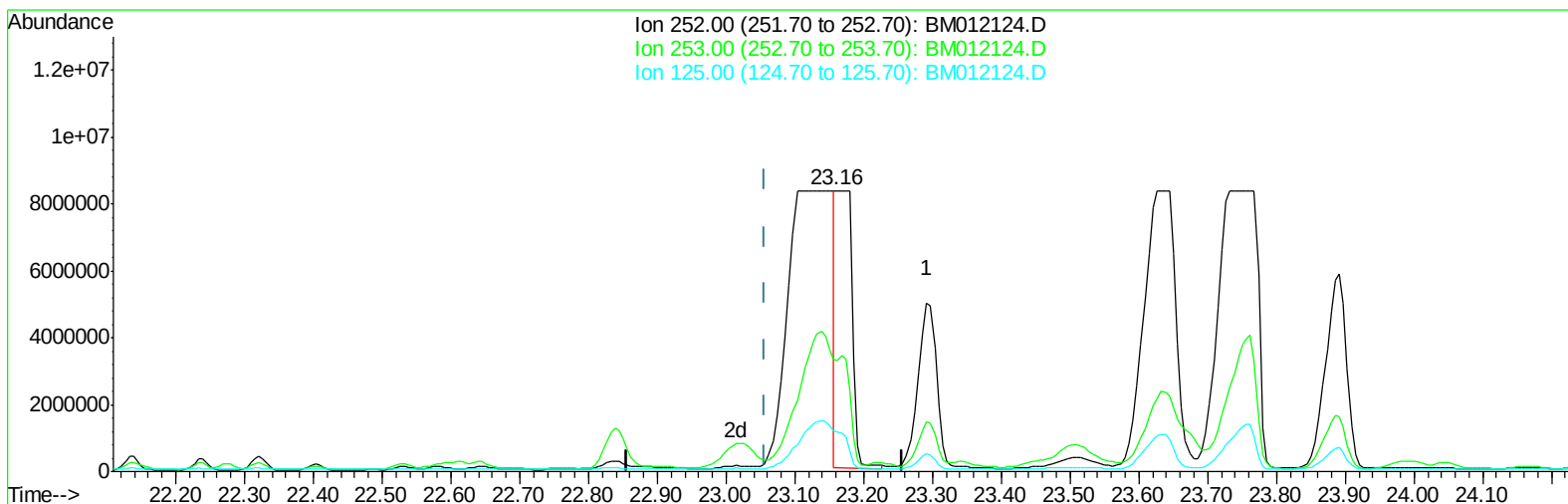
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(86) Benzo(k)fluoranthene

23.156min (+0.100) 81.73ng/ul m

response 13250061

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	39.80#
125.00	4.30	14.75#
0.00	0.00	0.00

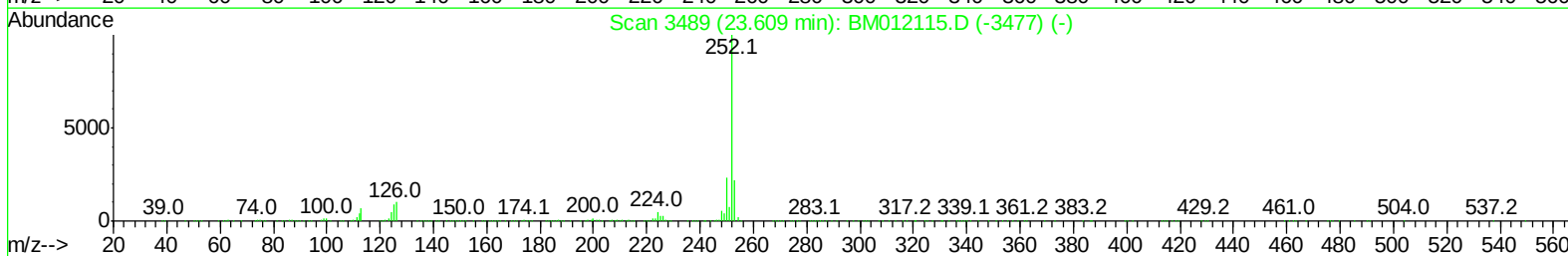
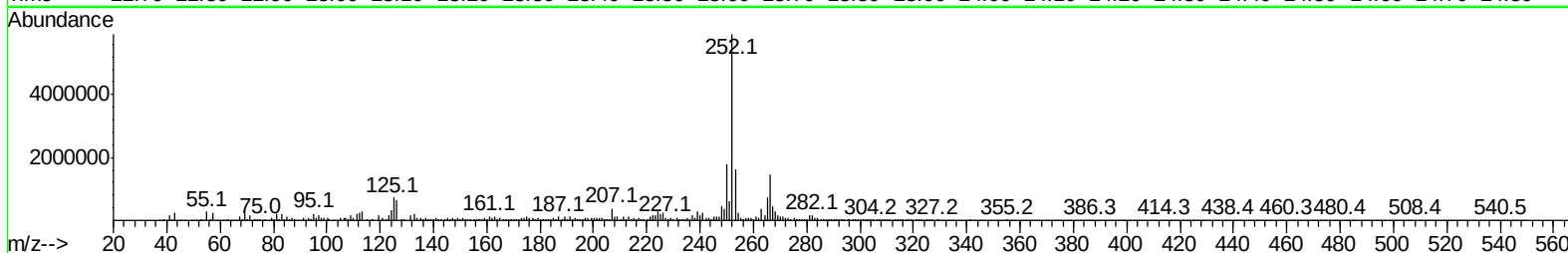
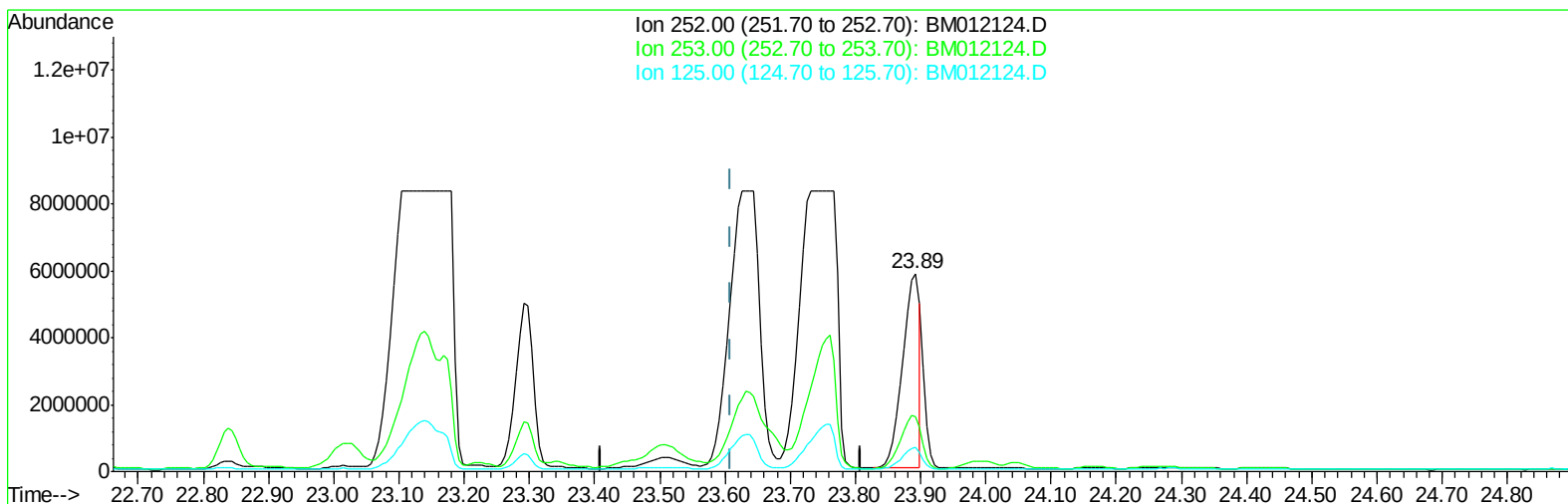
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(88) Benzo(a)pyrene (C)

23.891min (+0.282) 66.52ng/ul

response 10547186

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	27.66#
125.00	5.00	12.12#
0.00	0.00	0.00

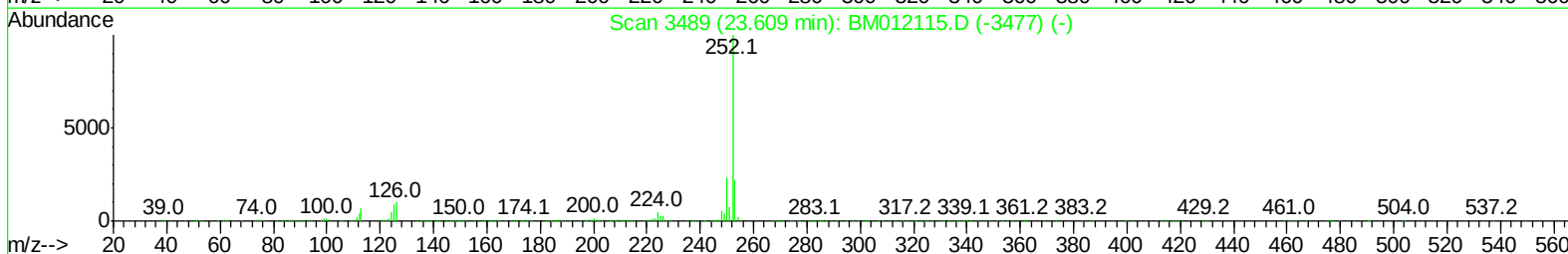
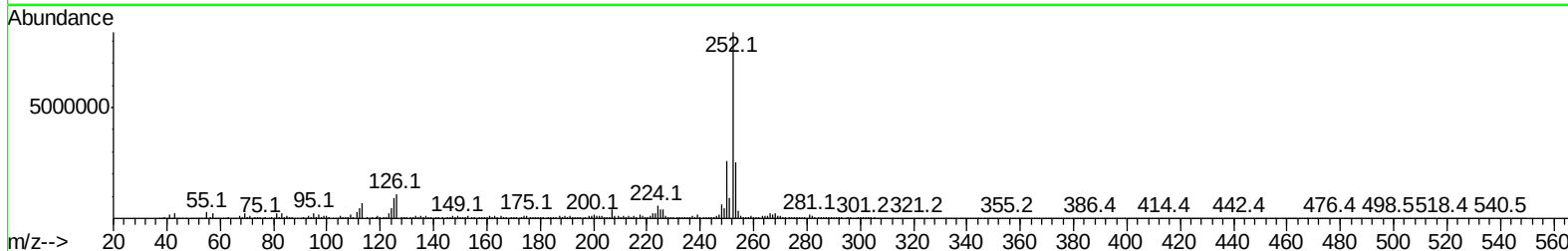
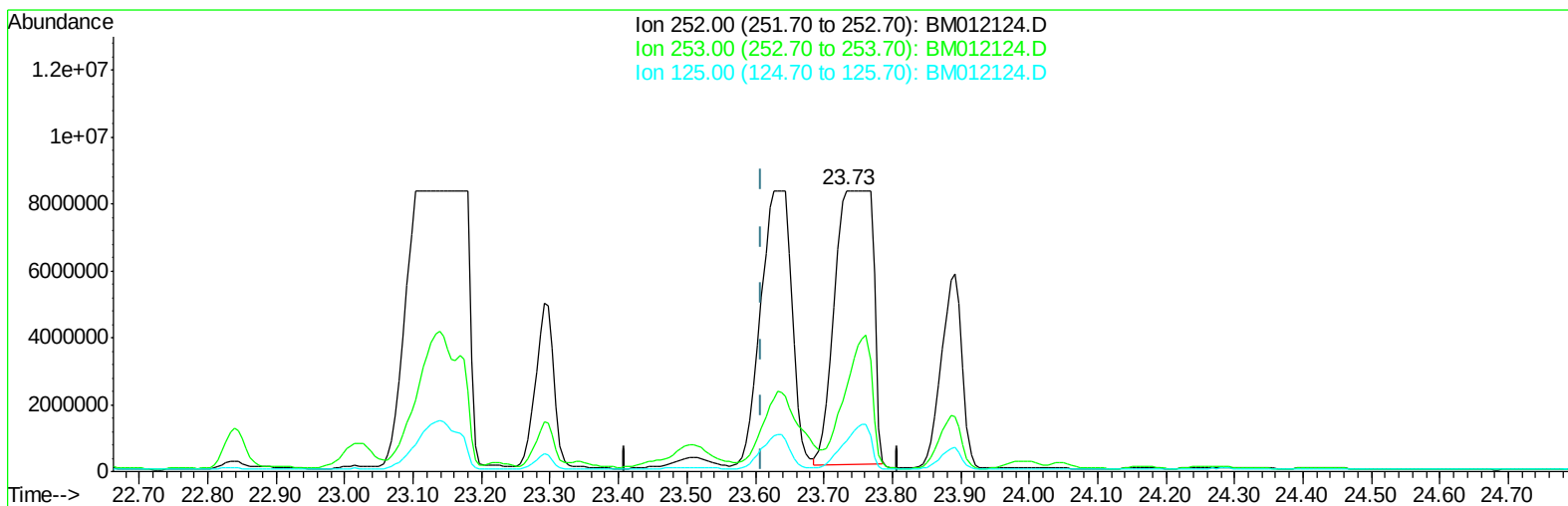
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

(88) Benzo(a)pyrene (C)

23.733min (+0.123) 198.77ng/ul m

response 31517758

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	30.07#
125.00	5.00	10.89#
0.00	0.00	0.00

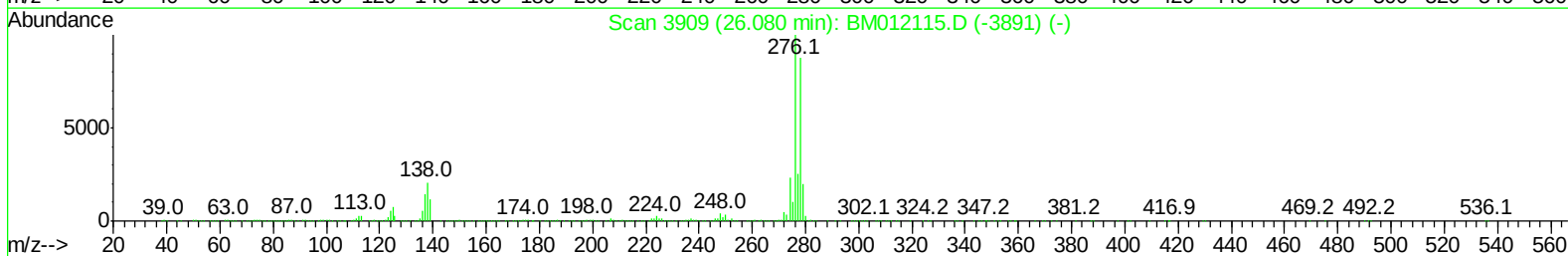
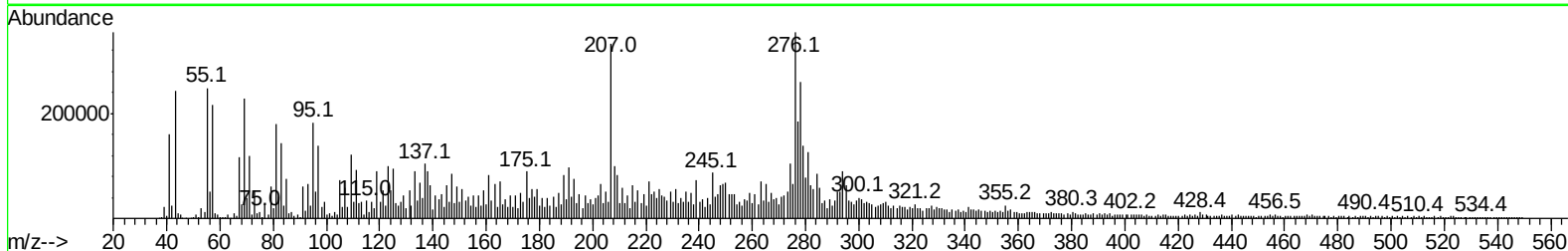
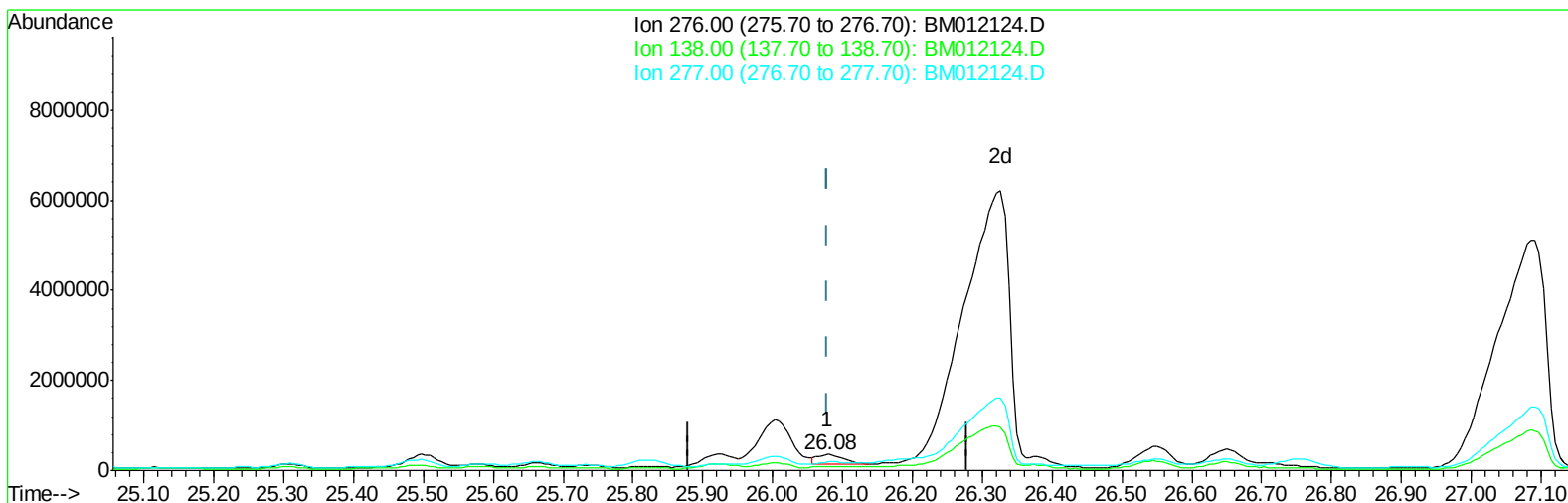
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
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Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

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

26.079min (-0.000) 3.35ng/ul

response 563330

Ion	Exp%	Act%
276.00	100	100
138.00	11.60	25.40#
277.00	24.90	52.36#
0.00	0.00	0.00

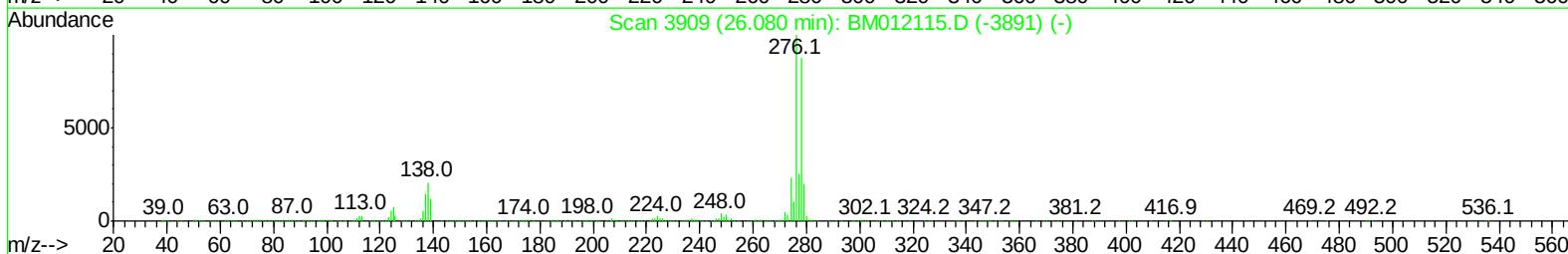
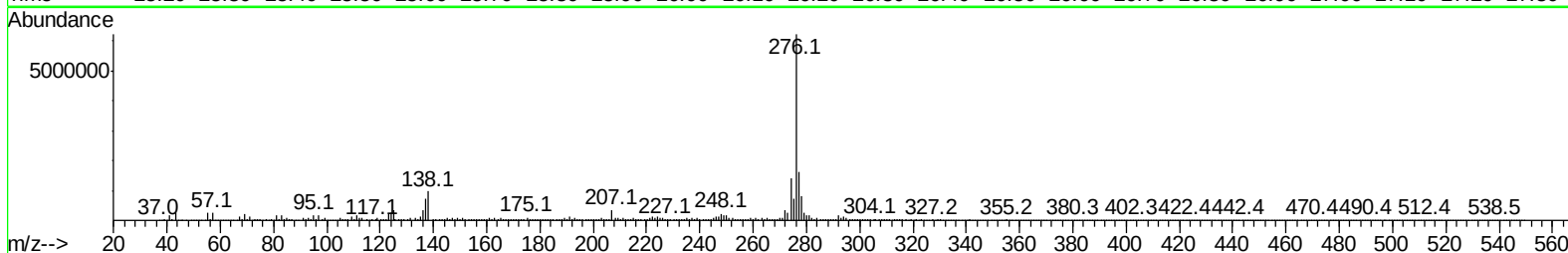
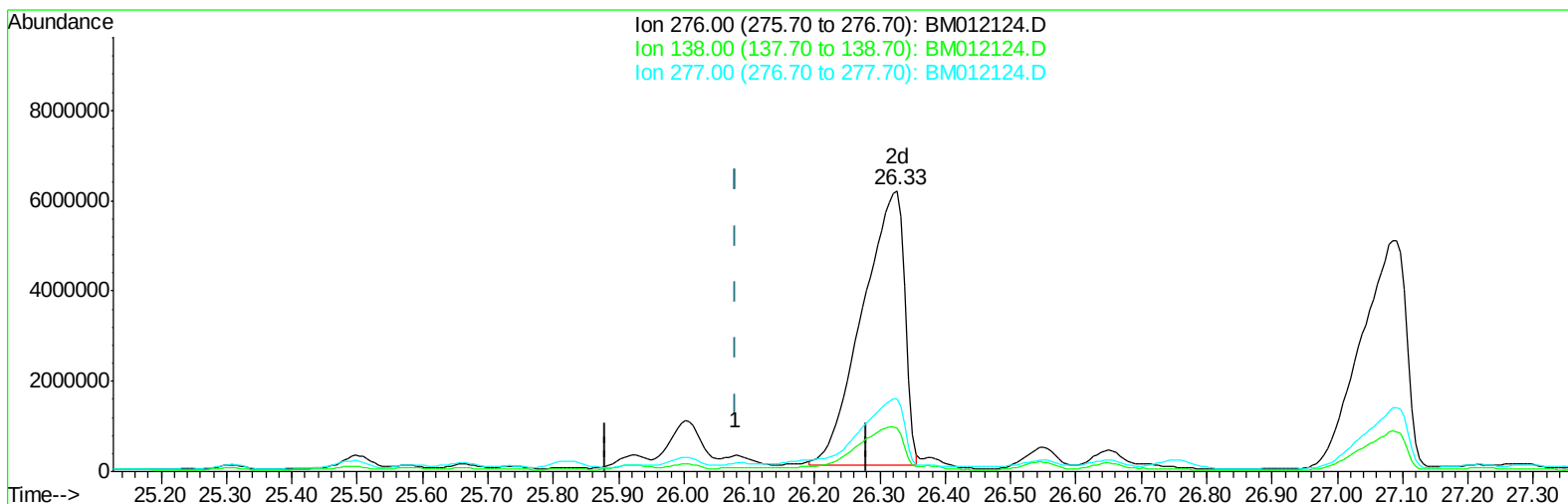
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
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Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

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

26.326min (+0.247) 161.37ng/ul m

response 27172315

Ion	Exp%	Act%
276.00	100	100
138.00	11.60	15.63#
277.00	24.90	25.84
0.00	0.00	0.00

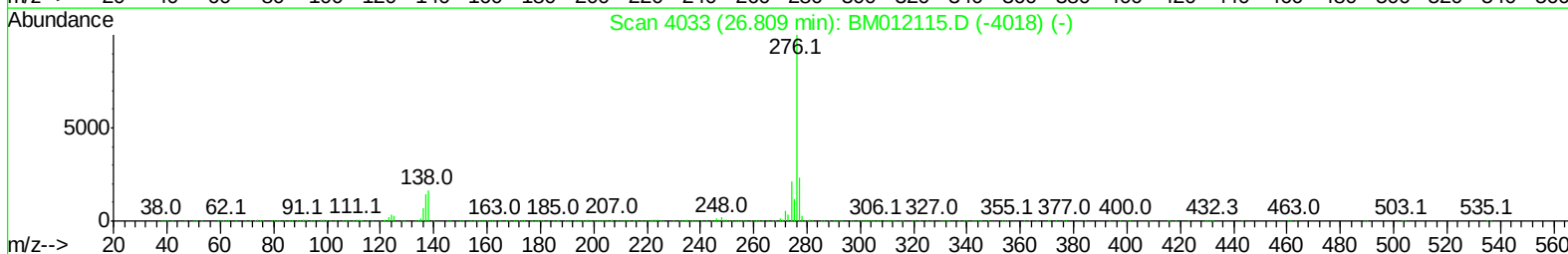
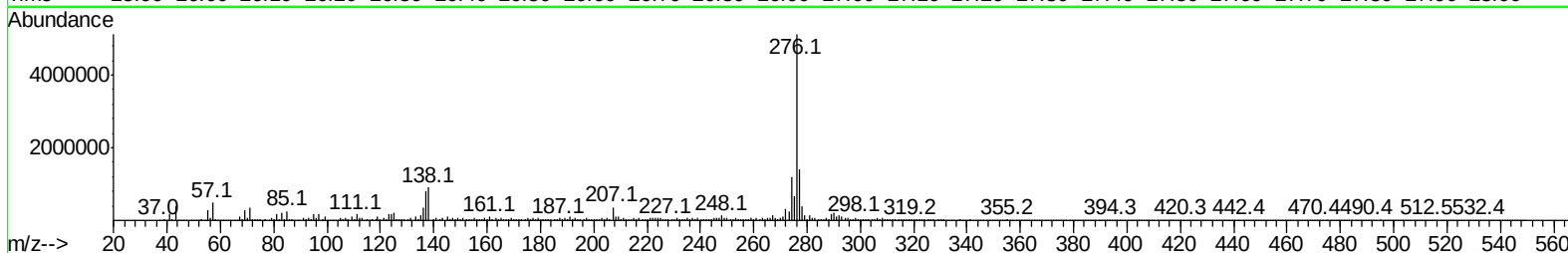
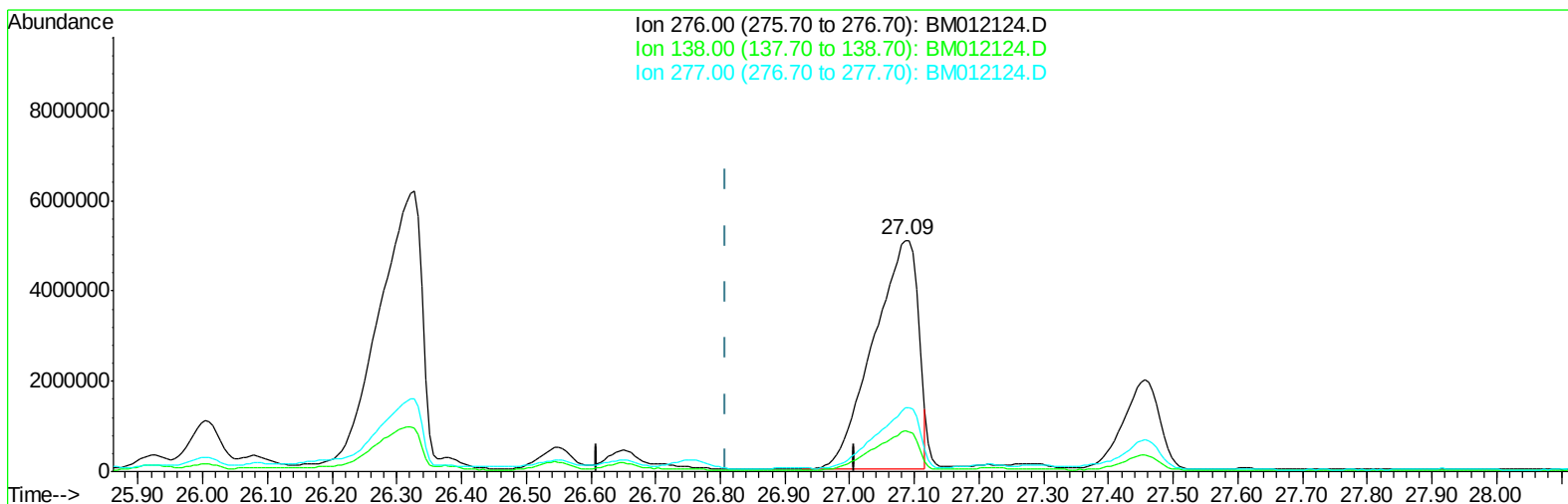
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

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

27.085min (+0.276) 175.33ng/ul

response 24180526

Ion	Exp%	Act%
276.00	100	100
138.00	10.60	17.49#
277.00	23.30	27.45
0.00	0.00	0.00

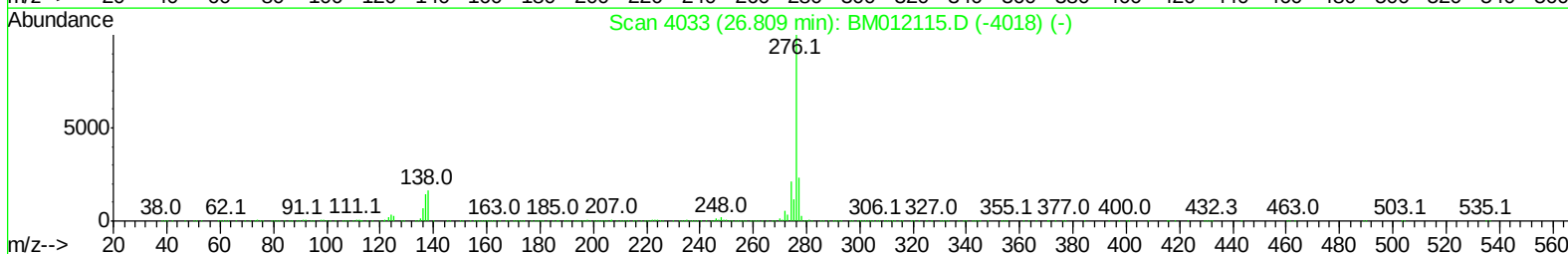
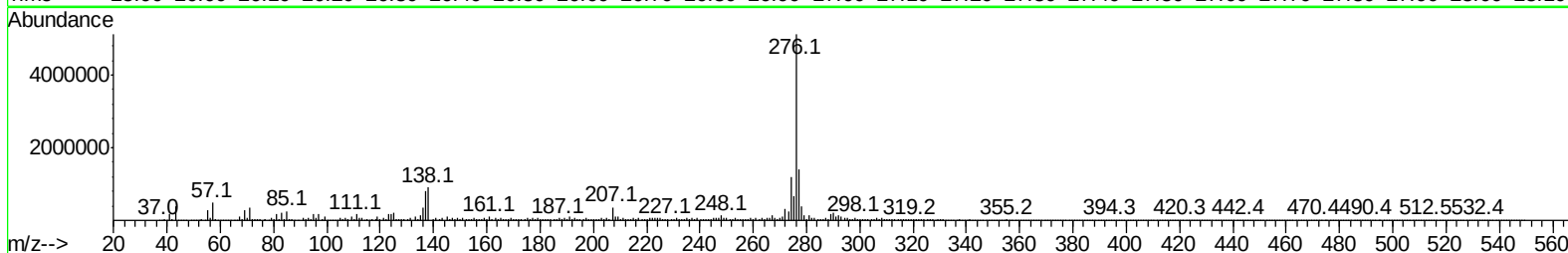
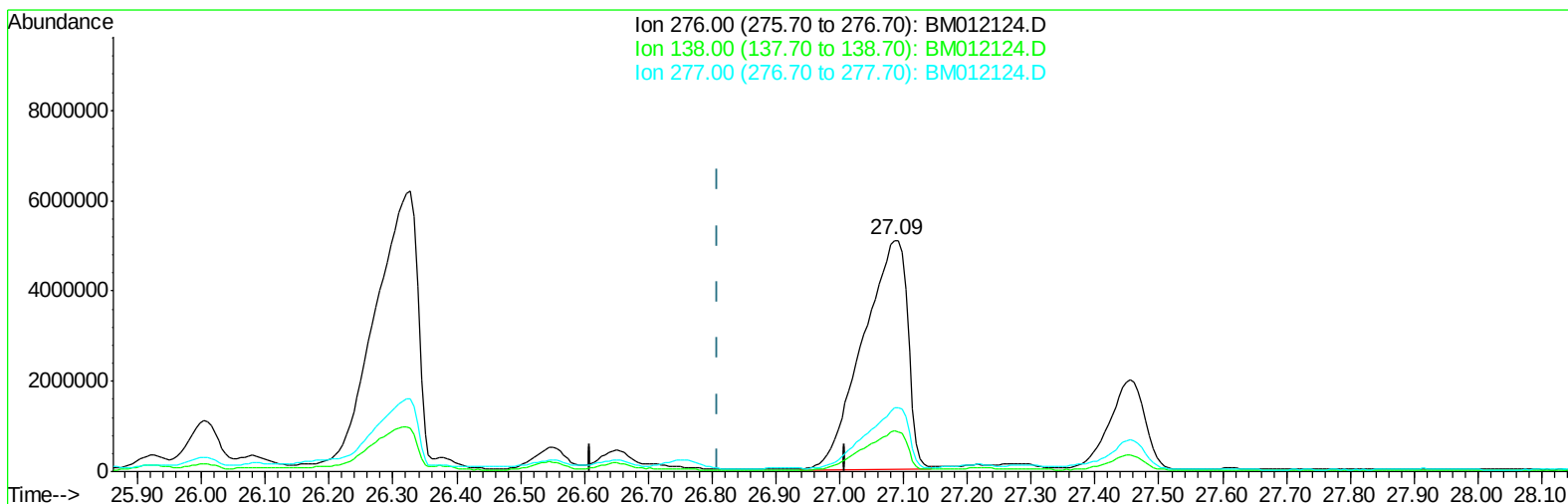
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 13 07:19:35 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: BM012124.D

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

27.085min (+0.276) 178.81ng/ul m

response 24660603

Ion	Exp%	Act%
276.00	100	100
138.00	10.60	17.49#
277.00	23.30	27.45
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012124.D
 Acq On : 13 Oct 2017 06:28
 Operator : SJ/JU
 Sample : I5533-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:37:39 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	7.85	152	448950	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	1794044	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	904066	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.27	188	1727235	20.00	ng/ul	0.04
75) Chrysene-d12	21.47	240	2515743	20.00	ng/ul	0.06
83) Perylene-d12	23.83	264	2578033	20.00	ng/ul	0.11

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	19514m	2.07	ng/uL	0.00
5) Phenol-d5	7.02	99	447160	12.28	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.17	67	269838	12.35	ng/ul	0.02
9) 2-Chlorophenol-d4	7.38	132	394614	12.77	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	394614	12.58	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	181872	13.28	ng/ul	0.02
22) 2-Nitrophenol-d4	9.74	143	183360	11.46	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.29	165	395898	12.96	ng/ul	0.03
29) 4-Chloroaniline-d4	10.80	131	282522m	9.88	ng/ul	0.02
43) Dimethylphthalate-d6	13.90	166	1095372	13.71	ng/ul	0.02
46) Acenaphthylene-d8	14.20	160	1313191	13.58	ng/ul	0.02
51) 4-Nitrophenol-d4	14.74	143	87081m	7.25	ng/ul	0.06
57) Fluorene-d10	15.50	176	832454	12.69	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.65	200	1156	0.10	ng/ul	0.05
70) Anthracene-d10	17.37	188	1220484	14.29	ng/ul	0.05
76) Pyrene-d10	19.67	212	1491480	11.68	ng/ul	0.05
87) Benzo(a)pyrene-d12	23.68	264	1761764	14.18	ng/ul	0.11

Target Compounds

					Ovalue	
6) Phenol	7.05	94	70328	1.868	ng/ul	88
16) 4-Methylphenol	8.63	108	45130	1.446	ng/ul	100
28) Naphthalene	10.71	128	7595311	81.829	ng/ul	100
34) 2-Methylnaphthalene	12.32	142	3313885	47.311	ng/ul	97
40) 1,1'-Biphenyl	13.33	154	1196678	15.684	ng/ul	99
44) Dimethylphthalate	13.95	163	266867	3.334	ng/ul	100
47) Acenaphthylene	14.23	152	1135697	11.957	ng/ul#	96
49) Acenaphthene	14.57	153	7278905	113.777	ng/ul	99
53) Dibenzofuran	14.91	168	9010928	97.818	ng/ul	100
58) Fluorene	15.56	166	11240762	146.927	ng/ul	98
60) 4-Nitroaniline	15.56	138	137610	9.015	ng/ul#	13
69) Phenanthrene	17.30	178	35593033m	362.241	ng/ul	
71) Anthracene	17.40	178	18084173m	177.779	ng/ul	
72) Carbazole	17.67	167	7469558	86.764	ng/ul	98
74) Fluoranthene	19.32	202	34654057m	292.247	ng/ul	
77) Pyrene	19.69	202	33839992m	203.680	ng/ul	
80) Benzo(a)anthracene	21.43	228	28310295m	172.943	ng/ul	
82) Chrysene	21.49	228	23663012m	153.966	ng/ul	
85) Benzo(b)fluoranthene	23.10	252	34256945m	203.622	ng/ul	
86) Benzo(k)fluoranthene	23.16	252	13250061m	81.726	ng/ul	
88) Benzo(a)pyrene	23.73	252	31517758m	198.765	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.33	276	27172315m	161.367	ng/ul	
90) Dibenz(a,h)anthracene	26.29	278	7267346	51.340	ng/ul#	80

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

Manual Integrations
APPROVED

Sohil
10/15/2017 12:37:08 PM

Quant Time: Oct 13 07:37:39 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)
91) Benzo(q,h,i)perylene	27.09	276	24660603m	178.810	ng/ul	

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

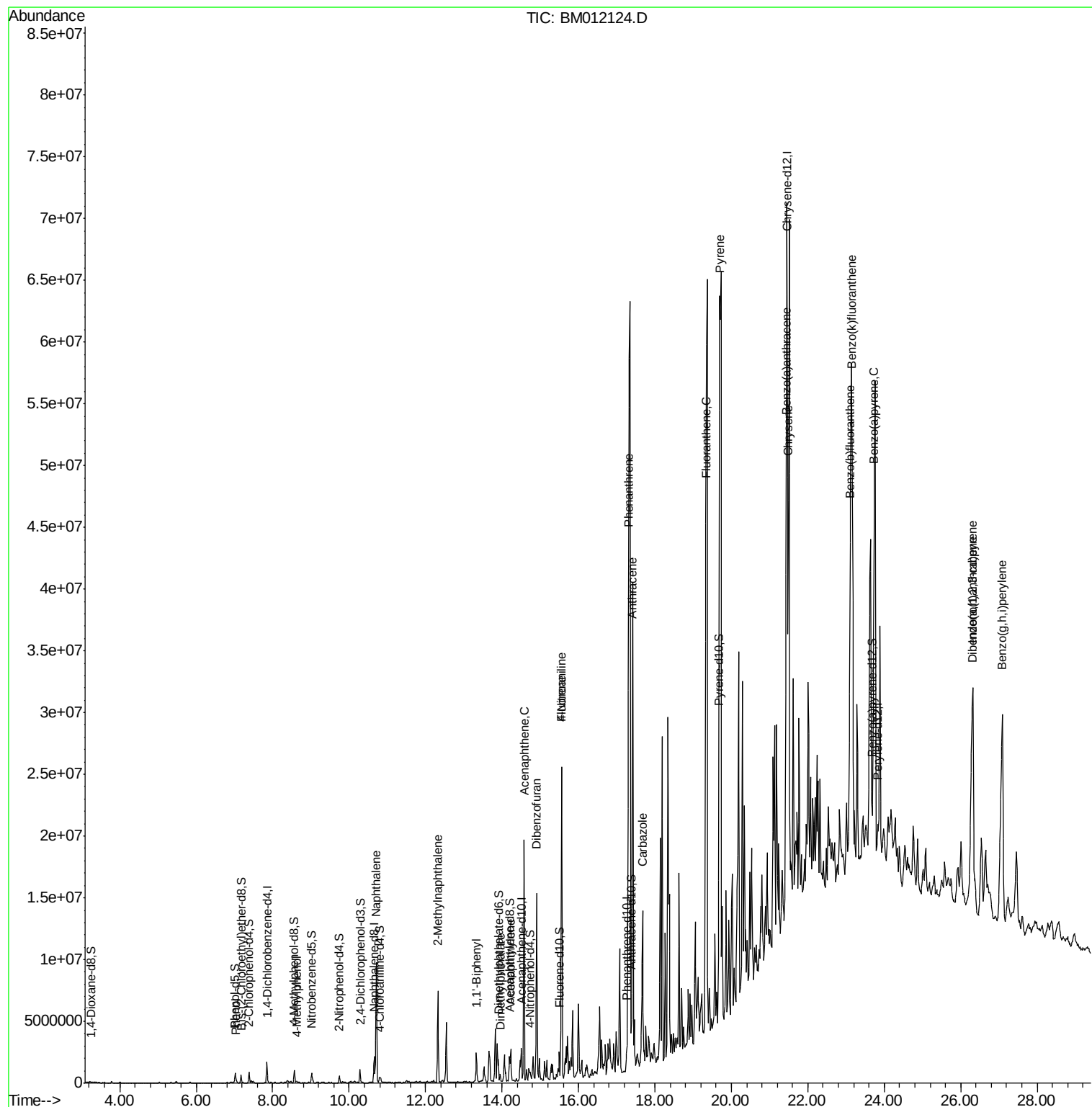
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Manual Integrations
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Sohil
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Quant Time: Oct 14 23:42:51 2017

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

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61) Phenanthrene-d10	17.27	188	1727235	20.00	ng/ul	0.04
75) Chrysene-d12	21.47	240	2515743	20.00	ng/ul	0.06
83) Perylene-d12	23.83	264	2578033	20.00	ng/ul	0.11

System Monitoring Compounds

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9) 2-Chlorophenol-d4	7.38	132	394614	12.77	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	394614	12.58	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	181872	13.28	ng/ul	0.02
22) 2-Nitrophenol-d4	9.74	143	183360	11.46	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.29	165	395898	12.96	ng/ul	0.03
29) 4-Chloroaniline-d4	10.80	131	282522m	9.88	ng/ul	0.02
43) Dimethylphthalate-d6	13.90	166	1095372	13.71	ng/ul	0.02
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57) Fluorene-d10	15.50	176	832454	12.69	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.65	200	1156	0.10	ng/ul	0.05
70) Anthracene-d10	17.37	188	1220484	14.29	ng/ul	0.05
76) Pyrene-d10	19.67	212	1491480	11.68	ng/ul	0.05
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Target Compounds

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58) Fluorene	15.56	166	11240762	146.927	ng/ul	98
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74) Fluoranthene	19.32	202	34654057m	292.247	ng/ul	
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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