

Instrument :
BNA_M
ClientSampleId :
F9A79ME

Sohil
12/19/2017 4:56:21 PM

[illegible]

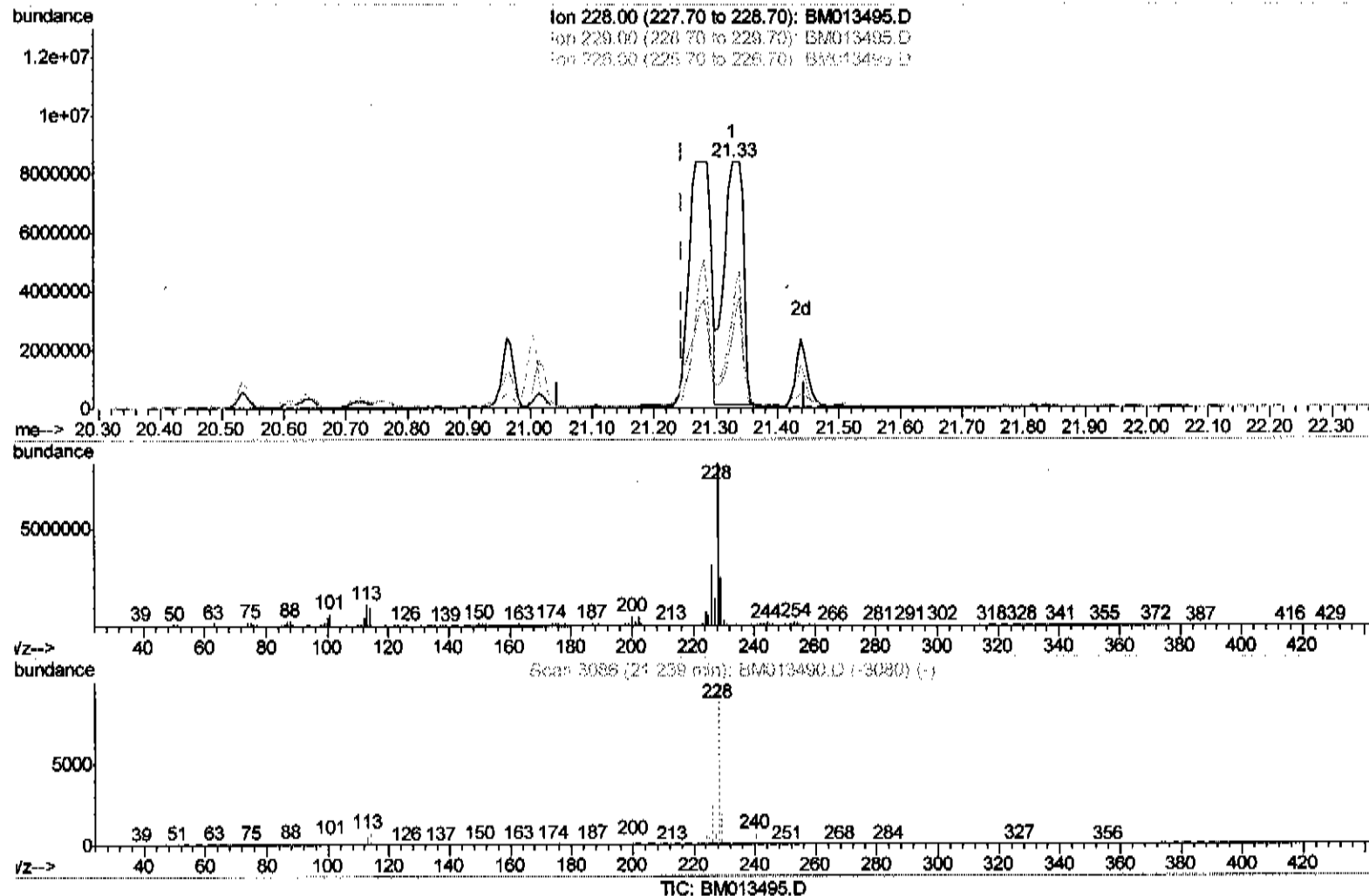
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
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Quant Time: Dec 18 17:00:16 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(80) Benzo(a)anthracene

21.327min (+0.082) 249.48ng/ul

response 18112413

Ion	Exp%	Act%
228.00	100	100
229.00	19.20	29.56#
226.00	26.70	37.55#
0.00	0.00	0.00

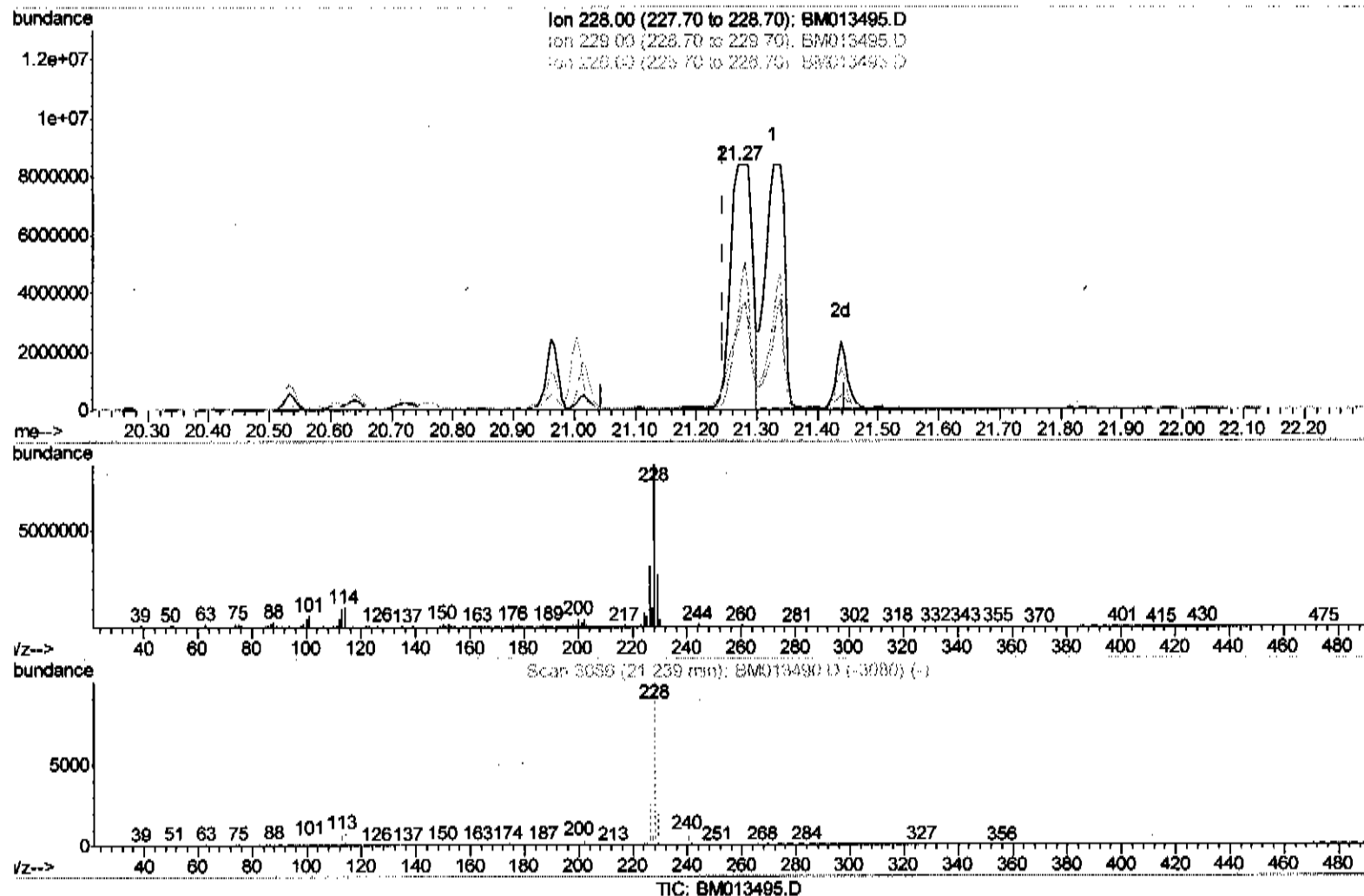
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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(80) Benzo(a)anthracene

21.268min (+0.023) 288.35ng/ul m *SJ 12/19/17*

response 20934066

Ion	Exp%	Act%
228.00	100	100
229.00	19.20	32.17#
226.00	26.70	37.83#
0.00	0.00	0.00

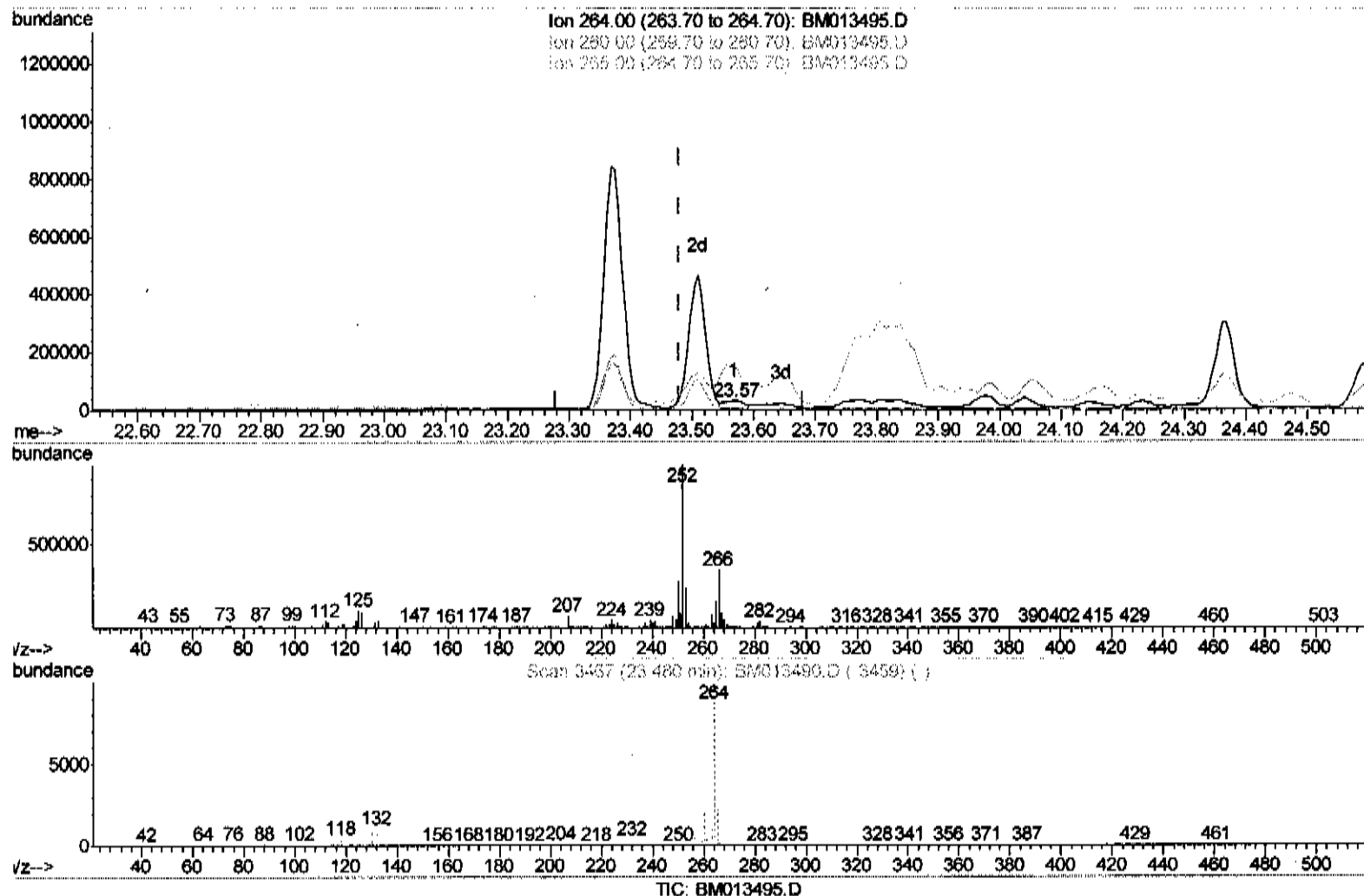
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
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(83) Perylene-d12 (I)

23.568min (+0.088) 20.00ng/ul

response 56039

Ion	Exp%	Act%
264.00	100	100
260.00	24.20	17.61#
265.00	22.50	500.58#
0.00	0.00	0.00

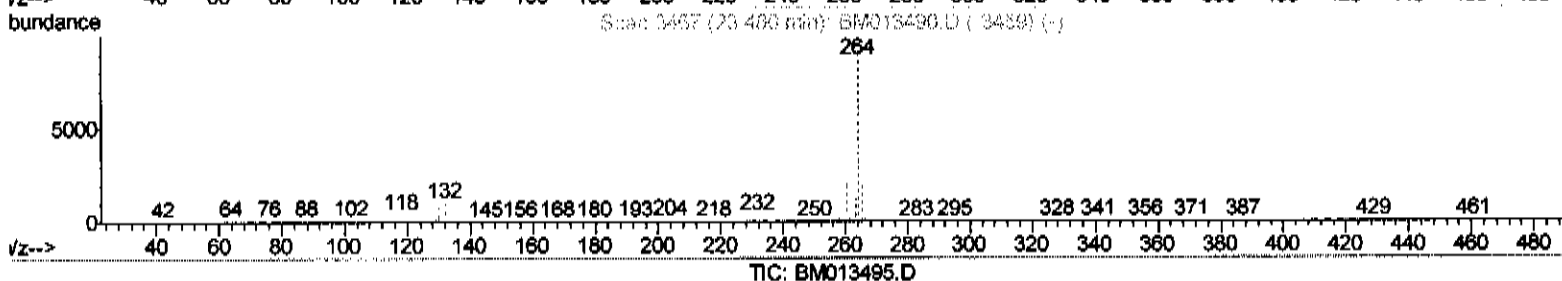
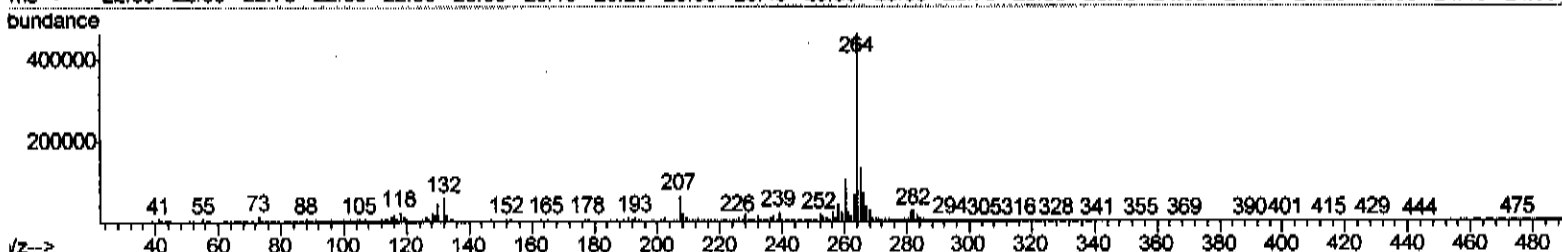
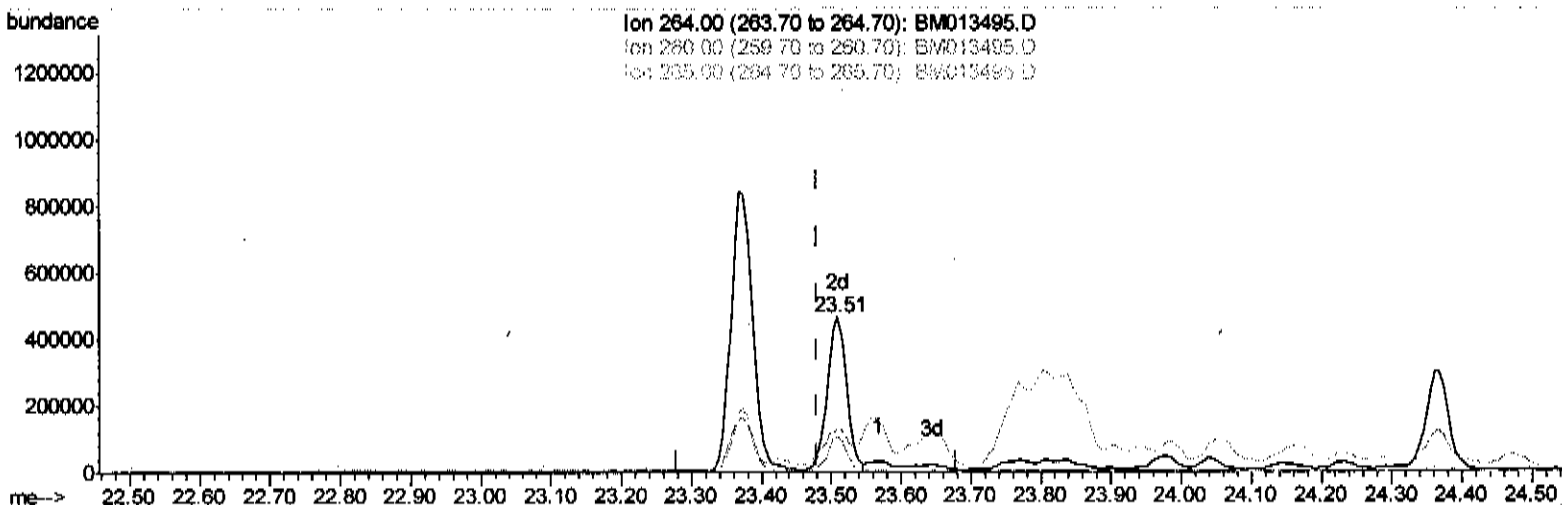
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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(83) Perylene-d12 (I)

23.509min (+0.029) 20.00ng/ul m

SJ 12/19/17

response 904605

Ion	Exp%	Act%
264.00	100	100
260.00	24.20	22.69
265.00	22.50	27.85#
0.00	0.00	0.00

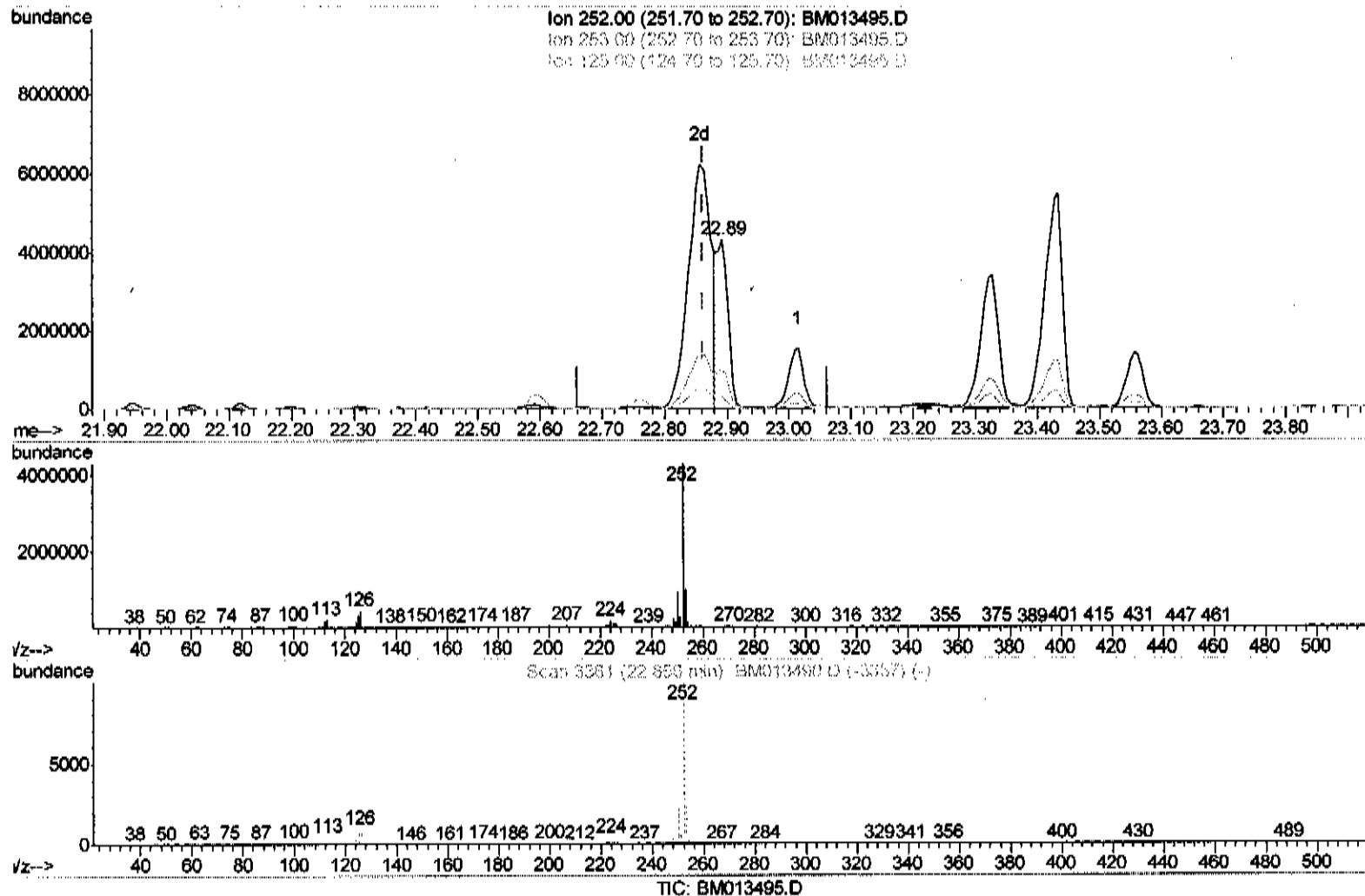
Data Path : Z:\HPCHEM1\RNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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(86) Benzo(k)fluoranthene

22.892min (+0.029) 91.18ng/ul m

SJ 12/19/17

response 5232524

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.62
125.00	4.30	7.57#
0.00	0.00	0.00

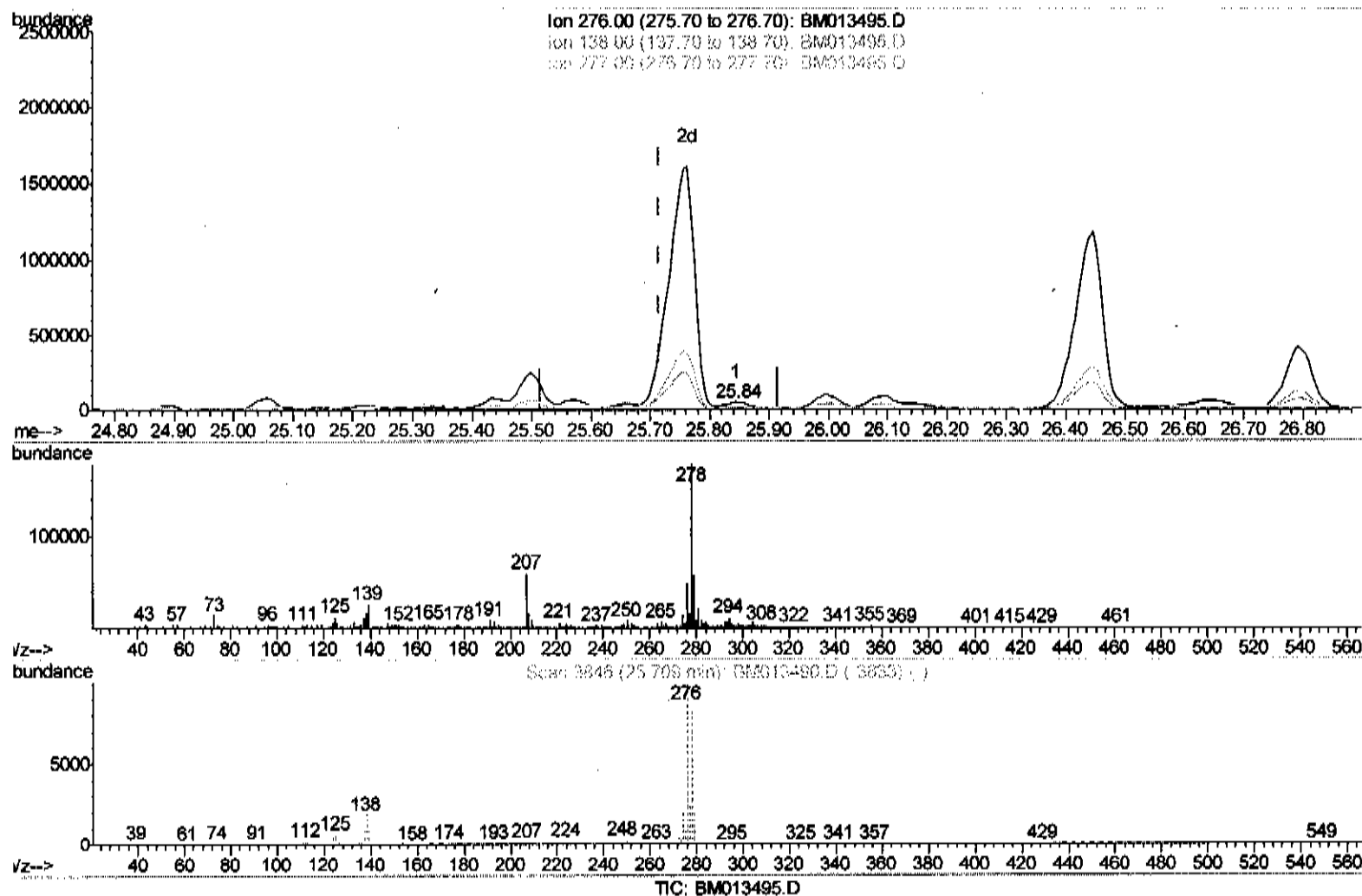
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
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 ALS Vial : 7 Sample Multiplier: 1

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

25.844min (+0.129) 1.87ng/ul

response 101897

Ion	Exp%	Act%
276.00	100	100
138.00	11.60	35.26#
277.00	24.90	33.56#
0.00	0.00	0.00

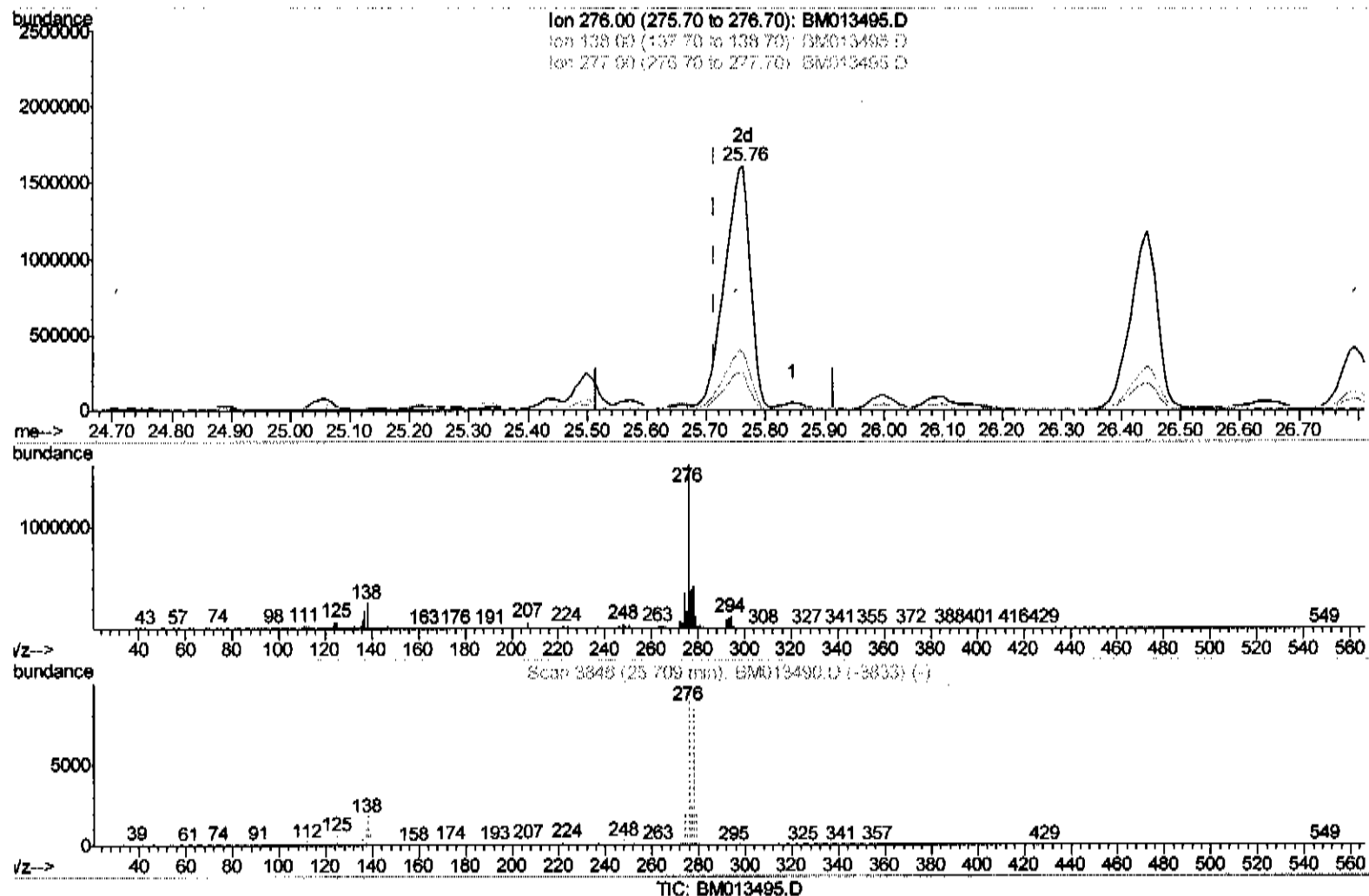
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
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 Sample : I6778-14ME
 Misc :
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(89) Indeno(1,2,3-cd)pyrene

25.762min (+0.047) 90.43ng/ul m

SJW/19/17

response 4915358

Ion	Exp%	Act%
276.00	100	100
138.00	11.60	15.57#
277.00	24.90	23.53
0.00	0.00	0.00

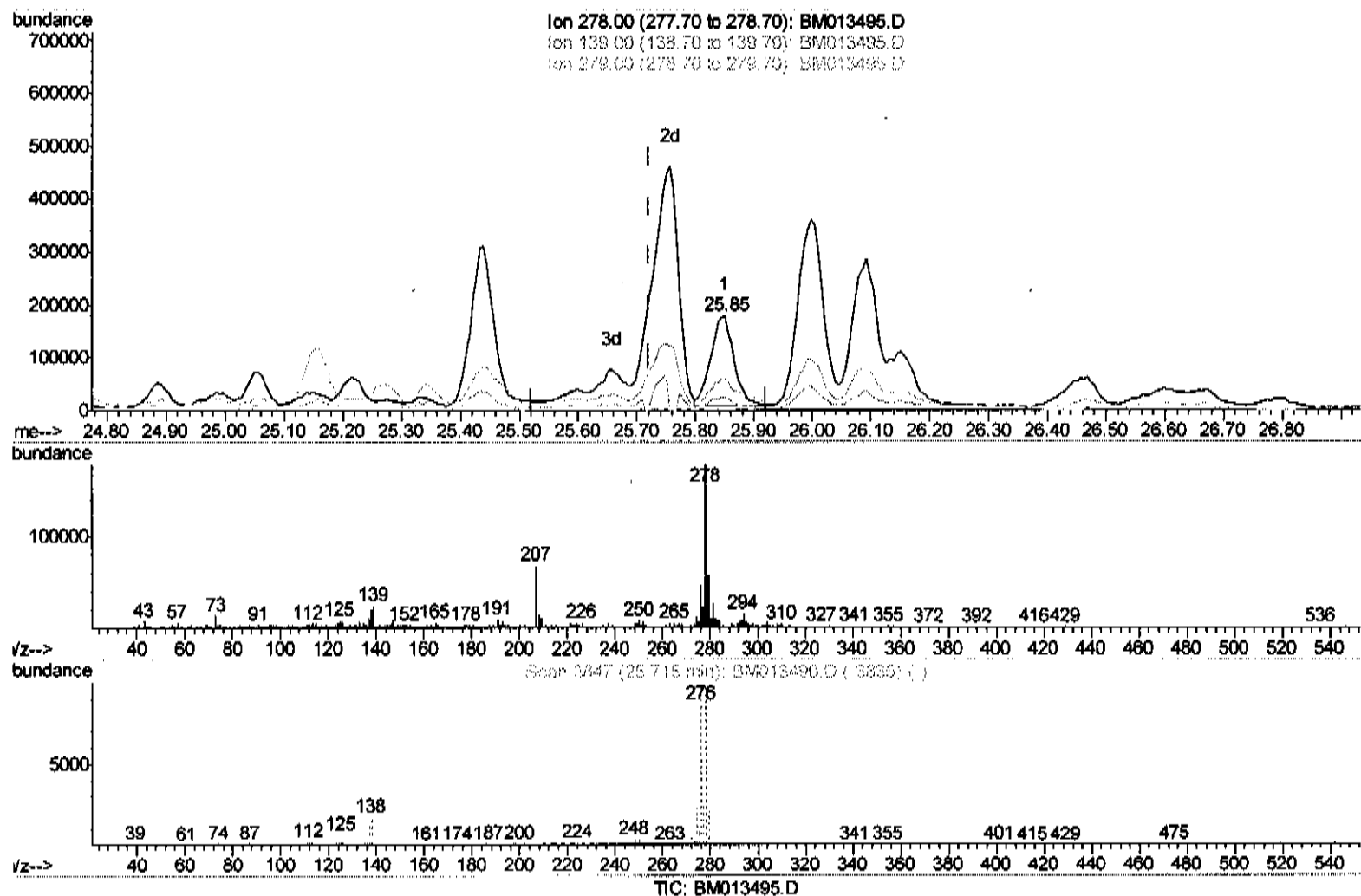
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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(90) Dibenzo(a,h)anthracene

25.850min (+0.129) 10.11ng/ul

response 467876

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	13.49#
279.00	23.20	32.46#
0.00	0.00	0.00

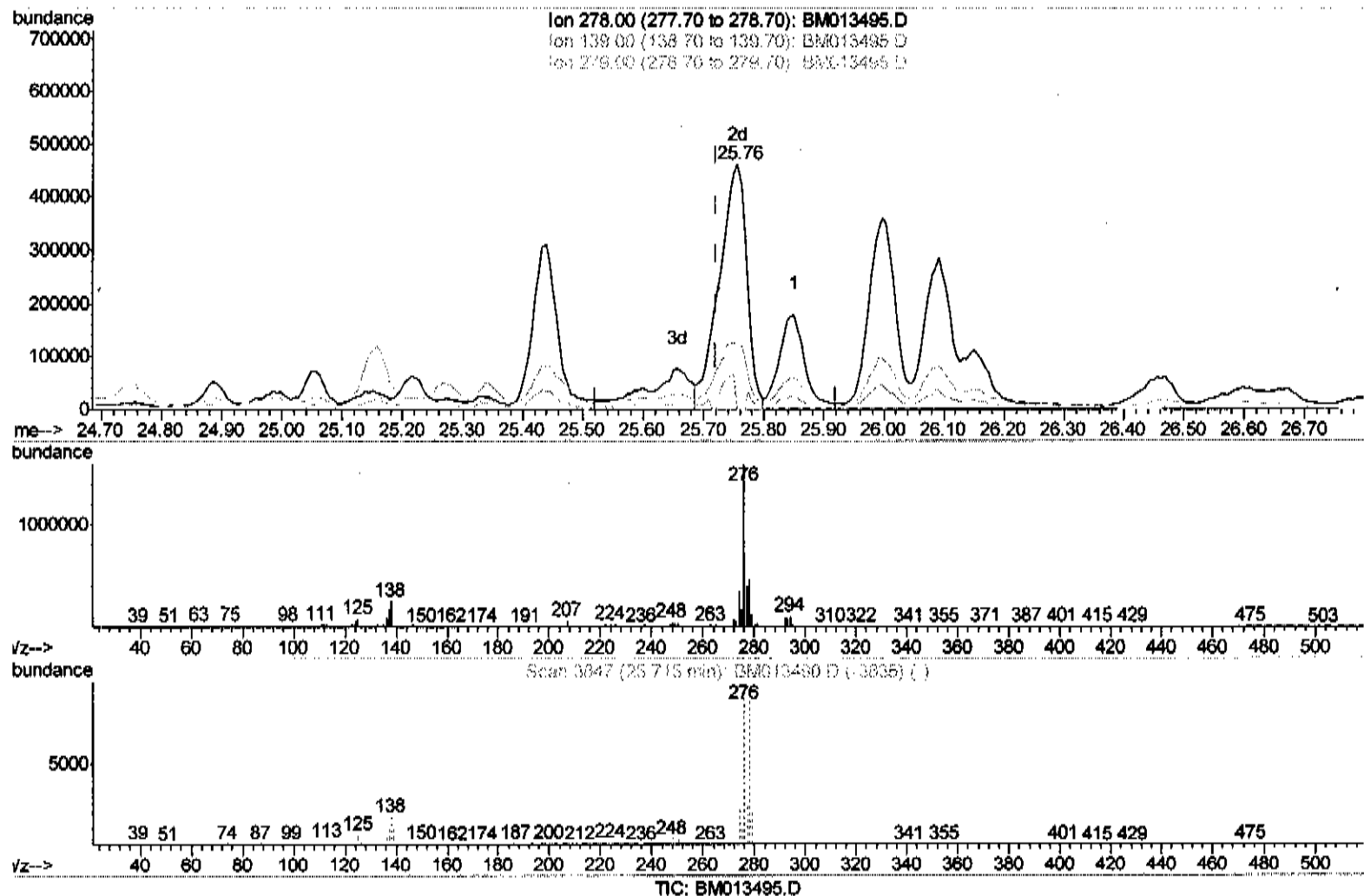
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampled :
 F9A79ME

Manual Integrations
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(90) Dibenzo(a,h)anthracene

25.756min (+0.035) 31.65ng/ul m

SJ 12/19/17

response 1464581

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	0.00#
279.00	23.20	26.42
0.00	0.00	0.00

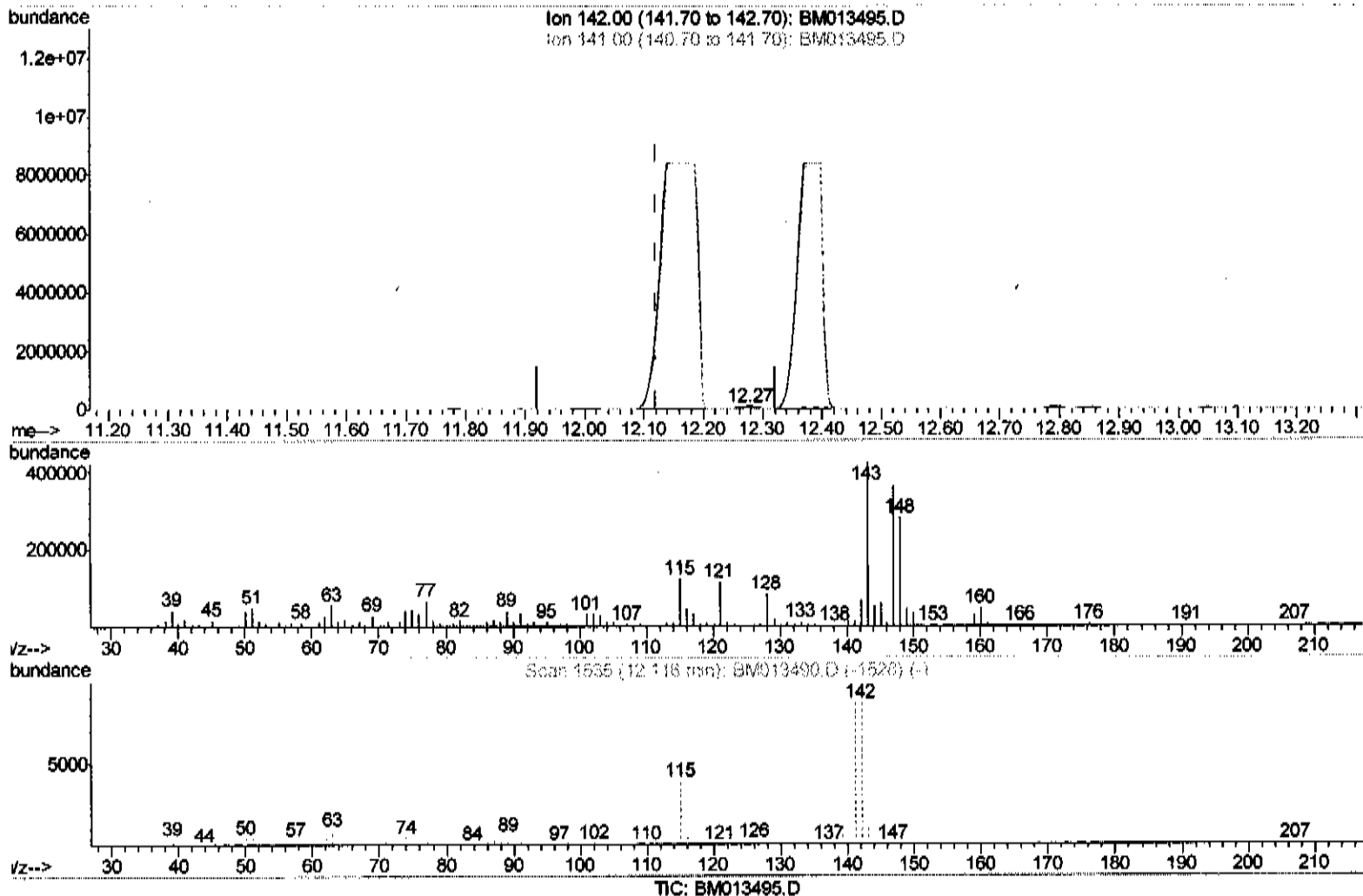
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampled :
 F9A79ME

Manual Integrations
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Sohil
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Quant Time: Dec 18 17:03:05 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
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 Response via : Initial Calibration



(34) 2-Methylnaphthalene

12.275min (+0.153) 2.98ng/ul

response 118590

Ion	Exp%	Act%
142.00	100	100
141.00	92.60	16.28#
0.00	0.00	0.00
0.00	0.00	0.00

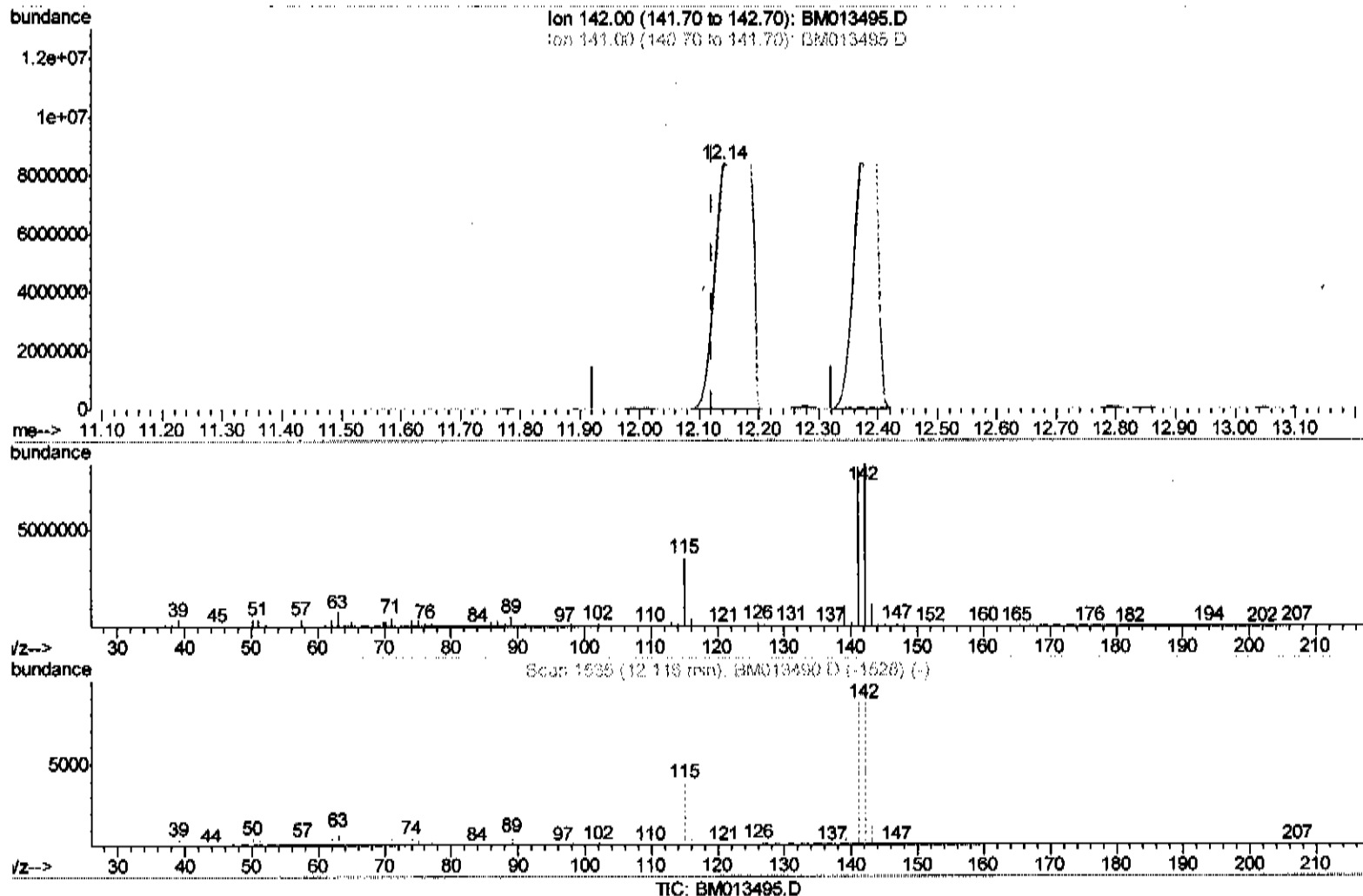
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
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 F9A79ME

Manual Integrations
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(34) 2-Methylnaphthalene

12.139min (+0.018) 889.59ng/ul m

response 35369232

Ion	Exp%	Act%
142.00	100	100
141.00	92.60	97.11
0.00	0.00	0.00
0.00	0.00	0.00

SJ 12/19/17

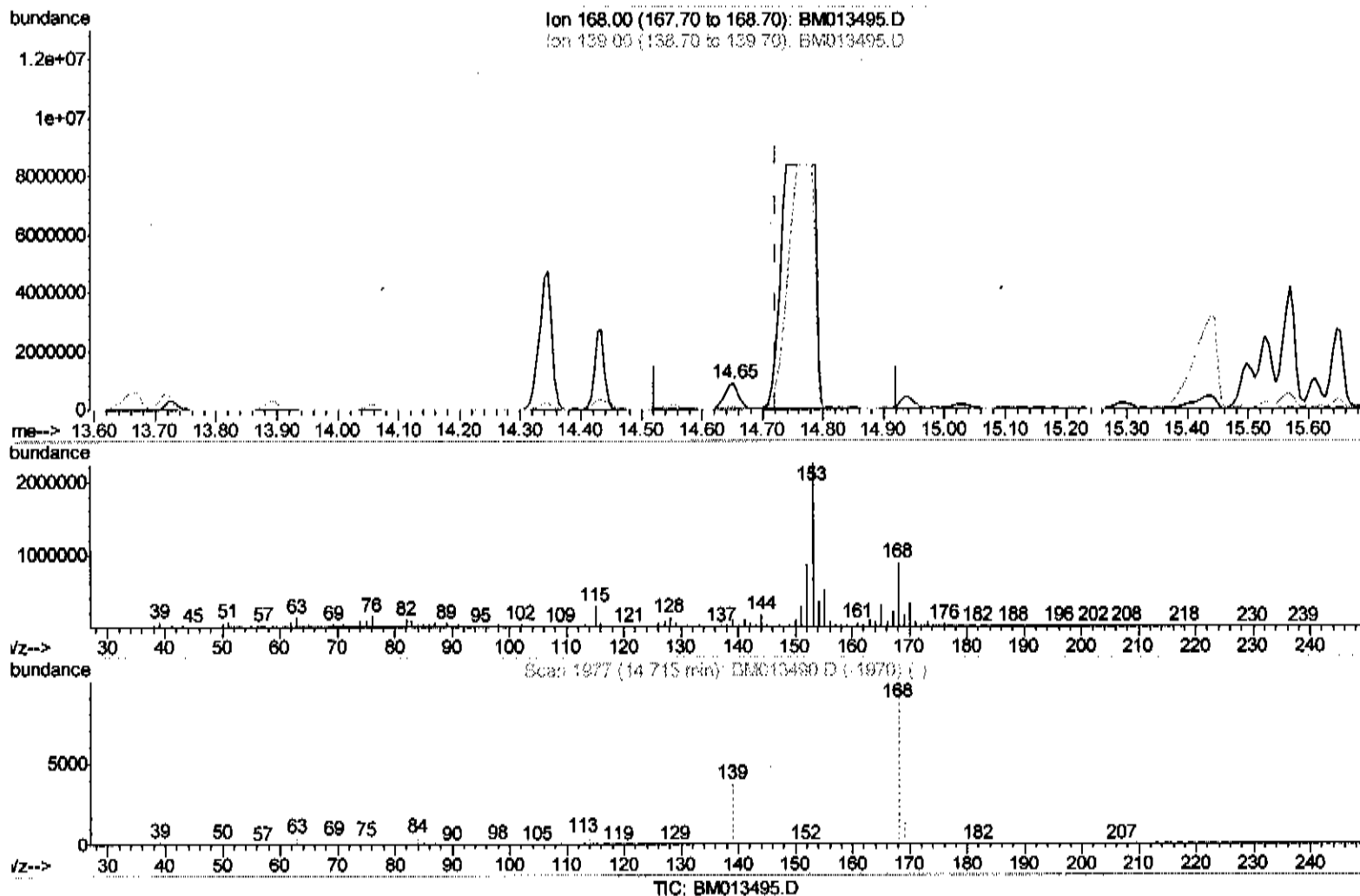
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(53) Dibenzofuran

14.651min (-0.071) 18.43ng/ul

response 1417869

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	11.19#
0.00	0.00	0.00
0.00	0.00	0.00

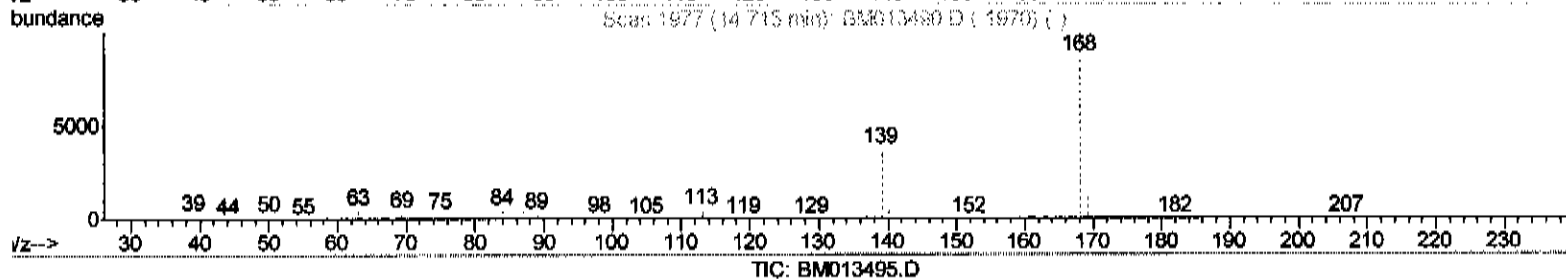
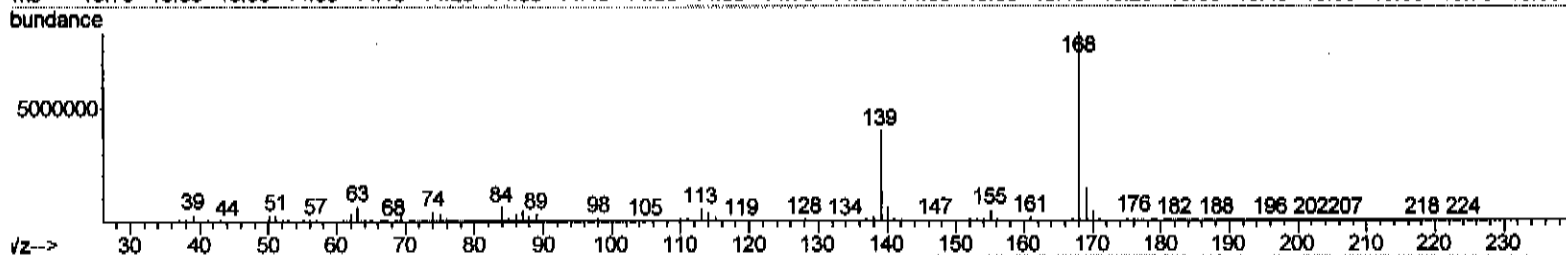
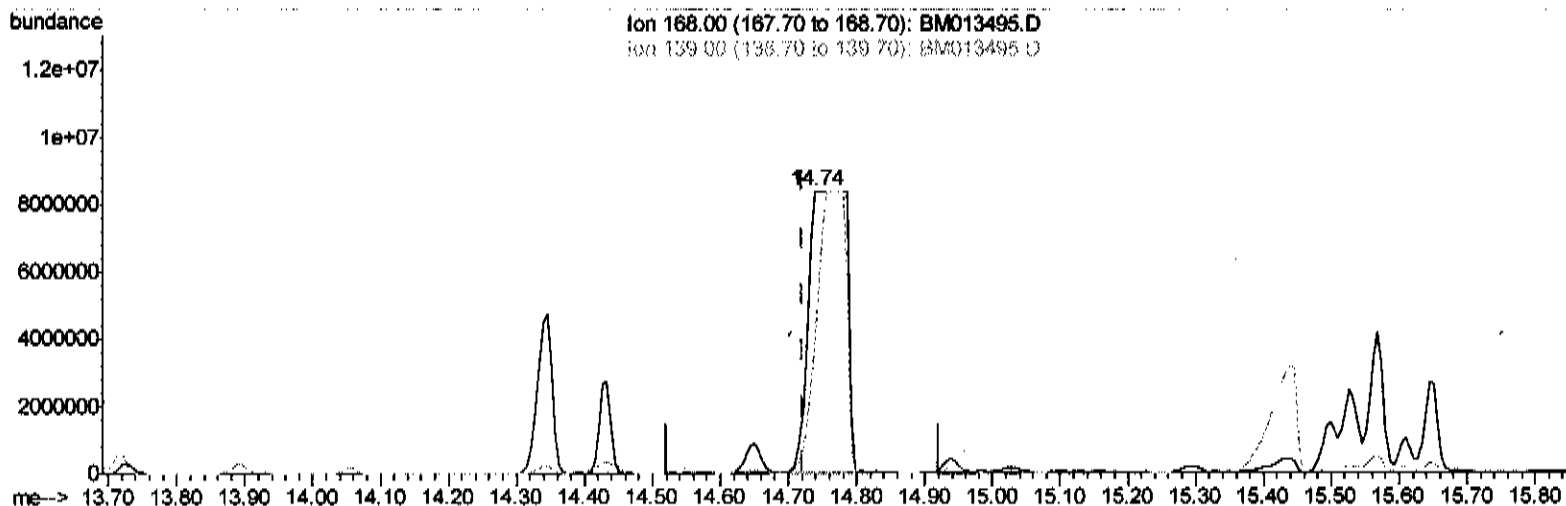
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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(53) Dibenzofuran

14.739min (+0.018) 420.63ng/ul m

SJ 12/19/17

response 32359240

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	47.65#
0.00	0.00	0.00
0.00	0.00	0.00

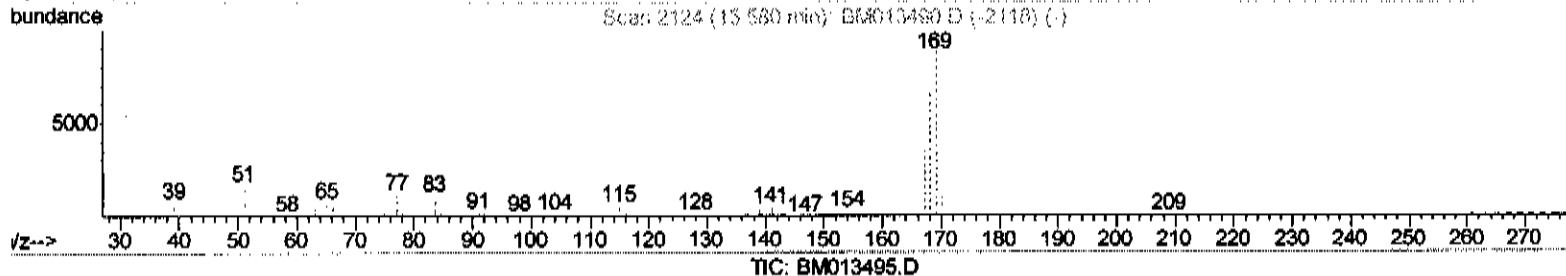
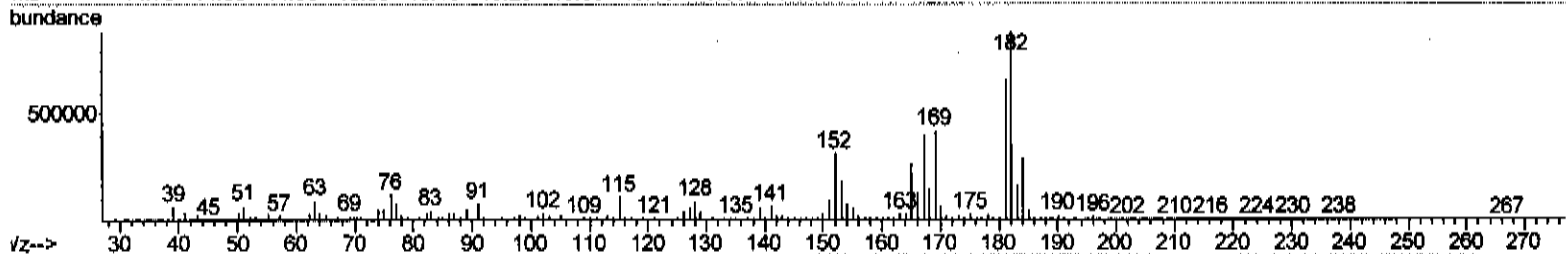
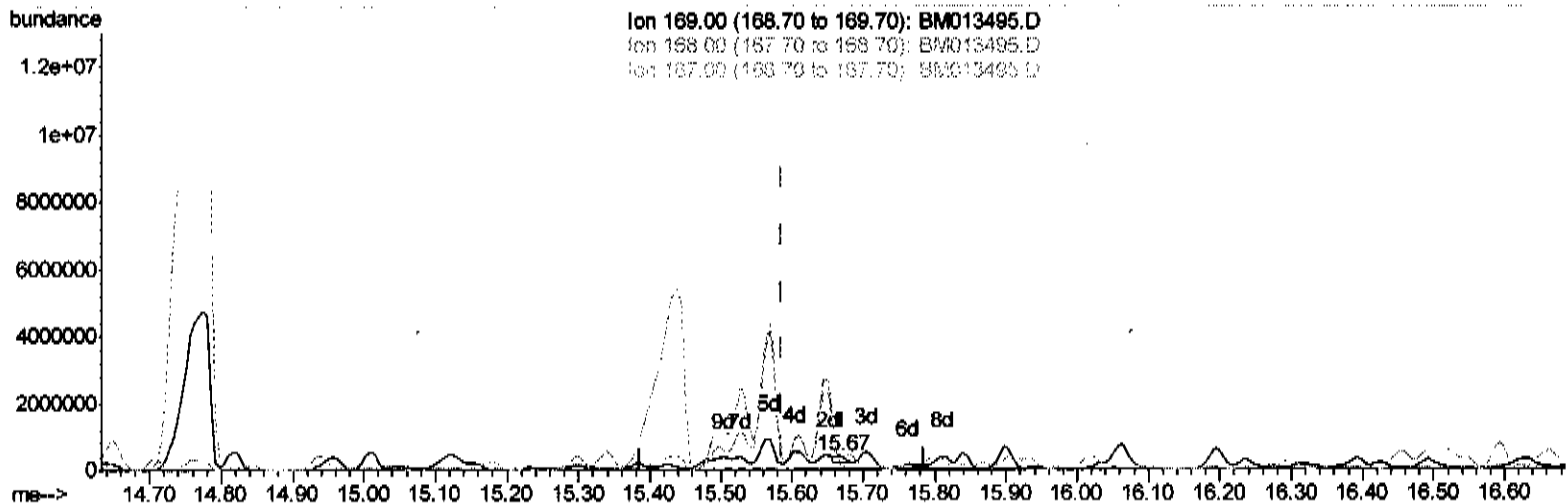
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
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(64) N-Nitrosodiphenylamine

15.669min (+0.082) 4.80ng/ul

response 195037

Ion	Exp%	Act%
169.00	100	100
168.00	67.50	34.91#
167.00	36.40	96.72#
0.00	0.00	0.00

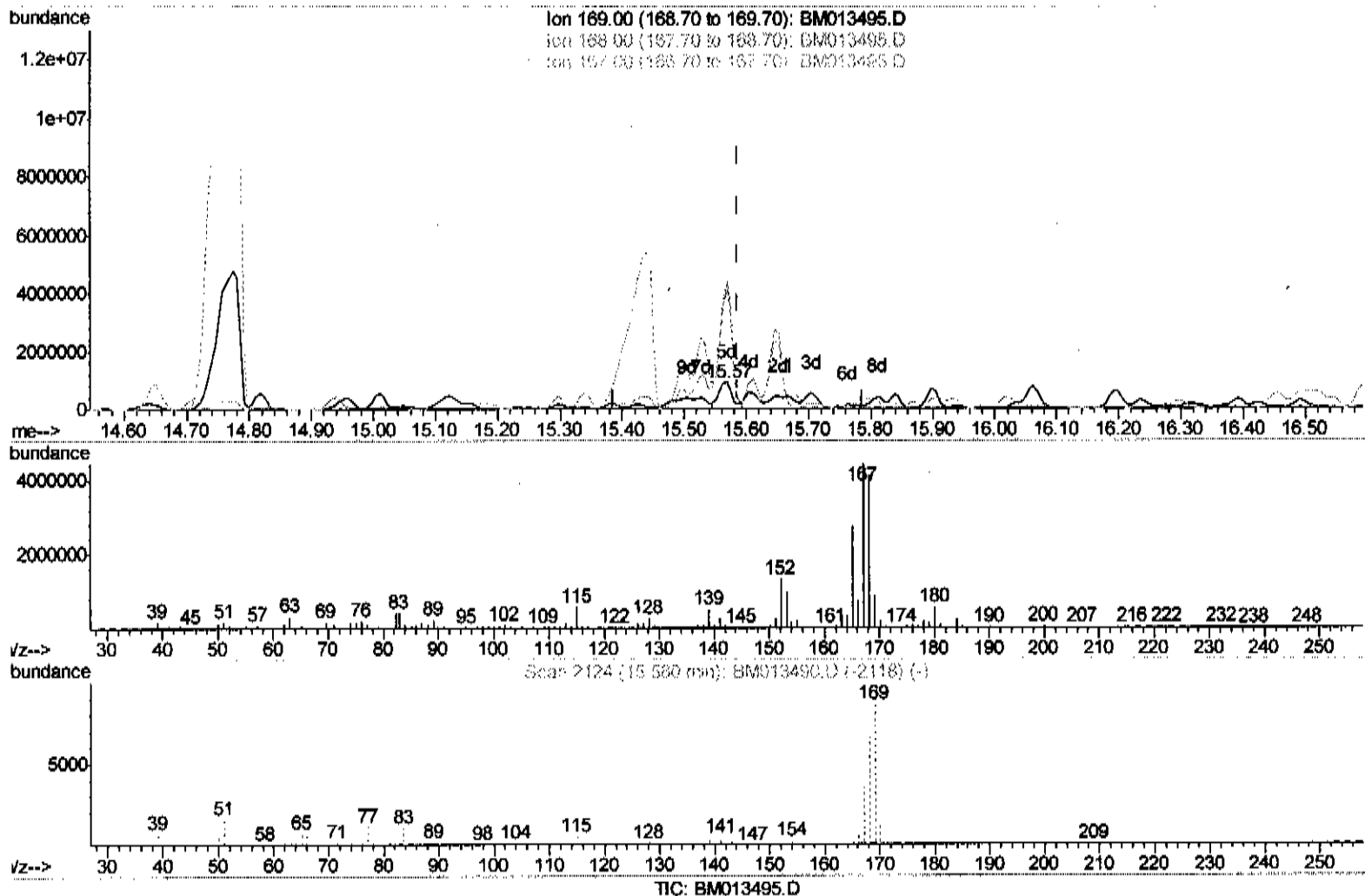
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
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 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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(64) N-Nitrosodiphenylamine

15.569min (-0.018) 33.85ng/ul m

SJ 12/19/17

response 1375524

Ion	Exp%	Act%
169.00	100	100
168.00	67.50	461.99#
167.00	36.40	494.36#
0.00	0.00	0.00

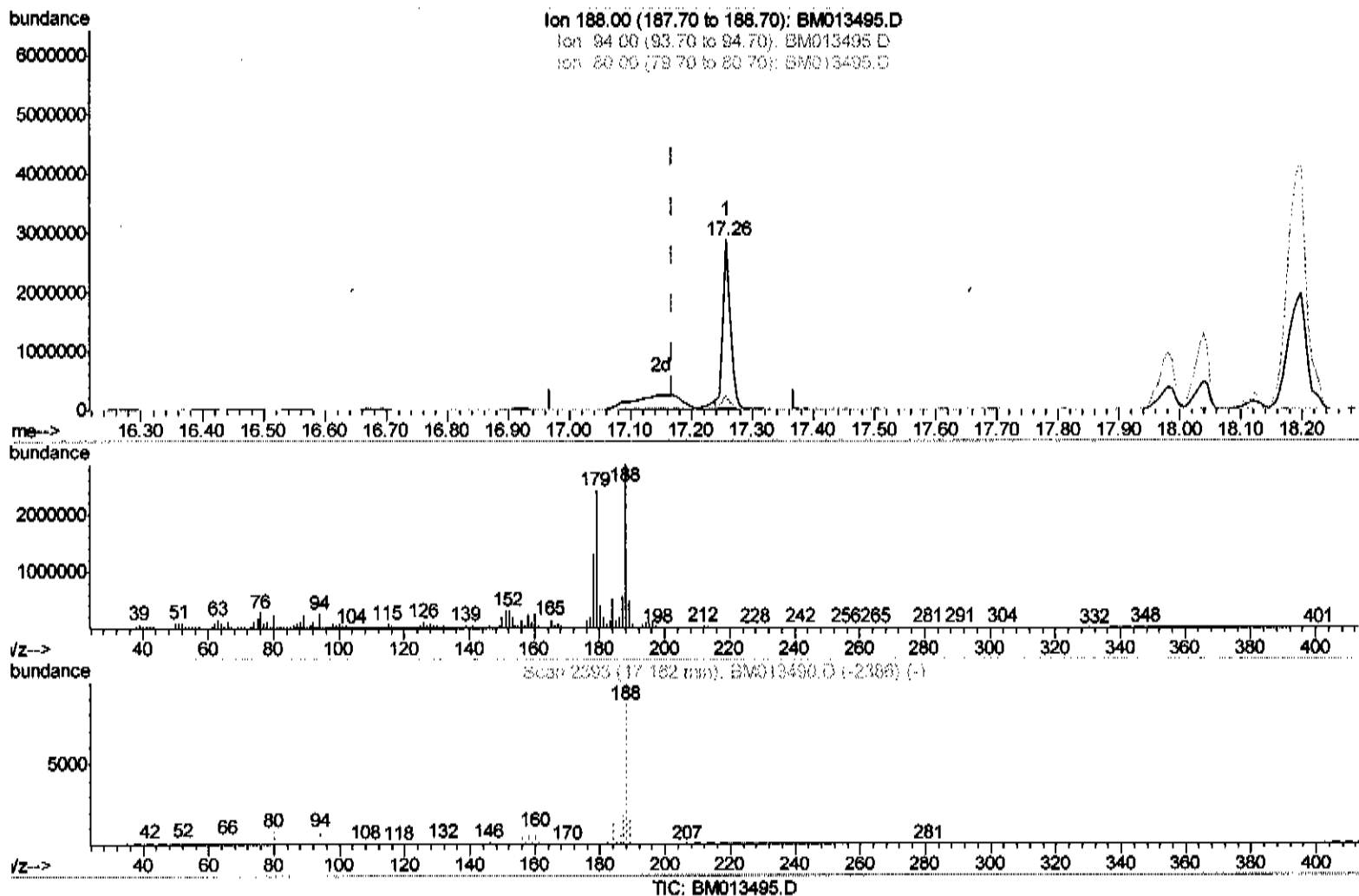
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
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(70) Anthracene-d10 (S)

17.257min (+0.088) 35.86ng/ul

response 2477484

Ion	Exp%	Act%
188.00	100	100
94.00	5.70	8.76#
80.00	5.90	8.38#
0.00	0.00	0.00

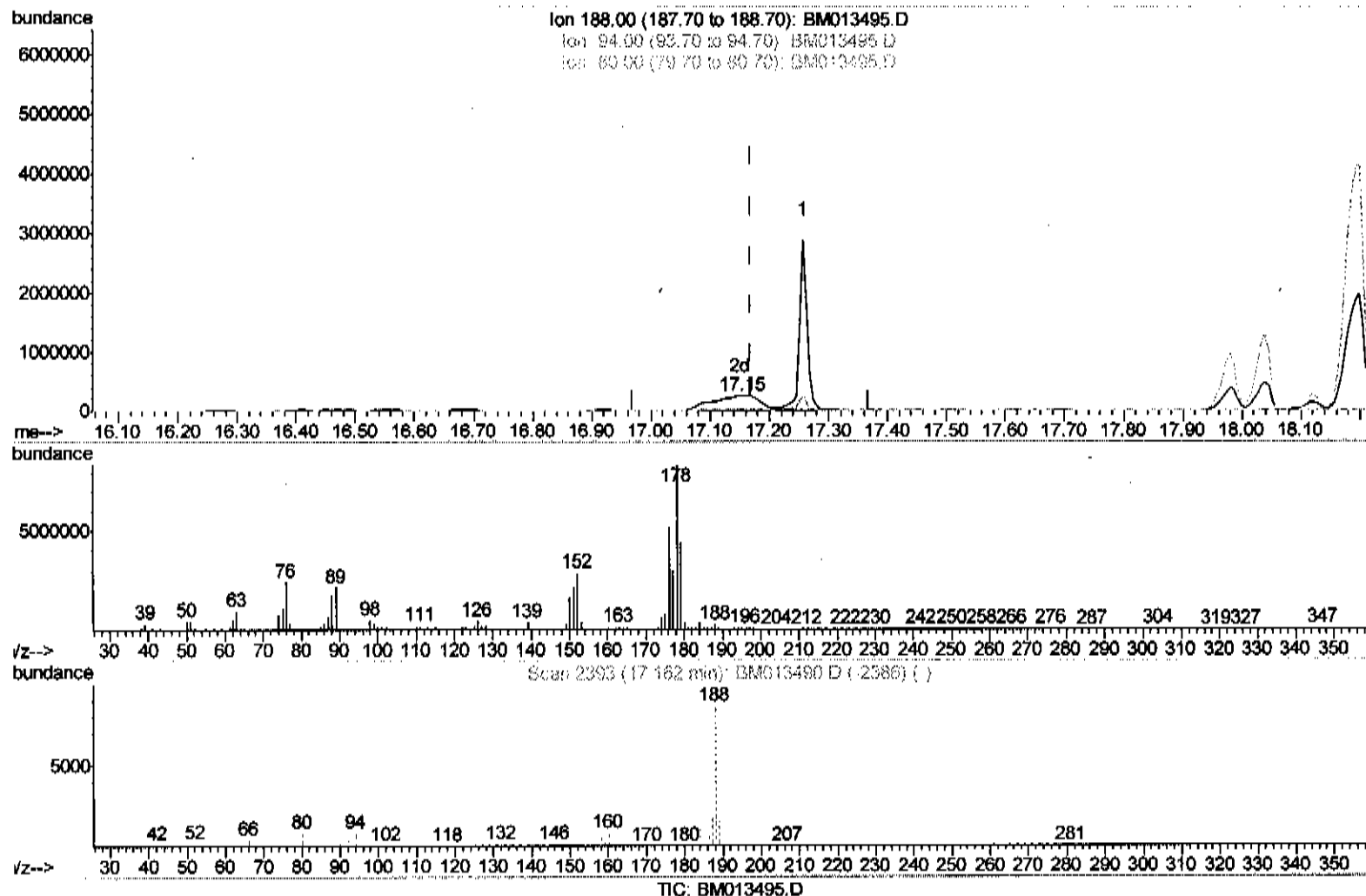
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(70) Anthracene-d10 (S)

17.151min (-0.018) 20.17ng/ul m

SJ 12/19/17

response 1393309

Ion	Exp%	Act%
188.00	100	100
94.00	5.70	10.88#
80.00	5.90	12.08#
0.00	0.00	0.00

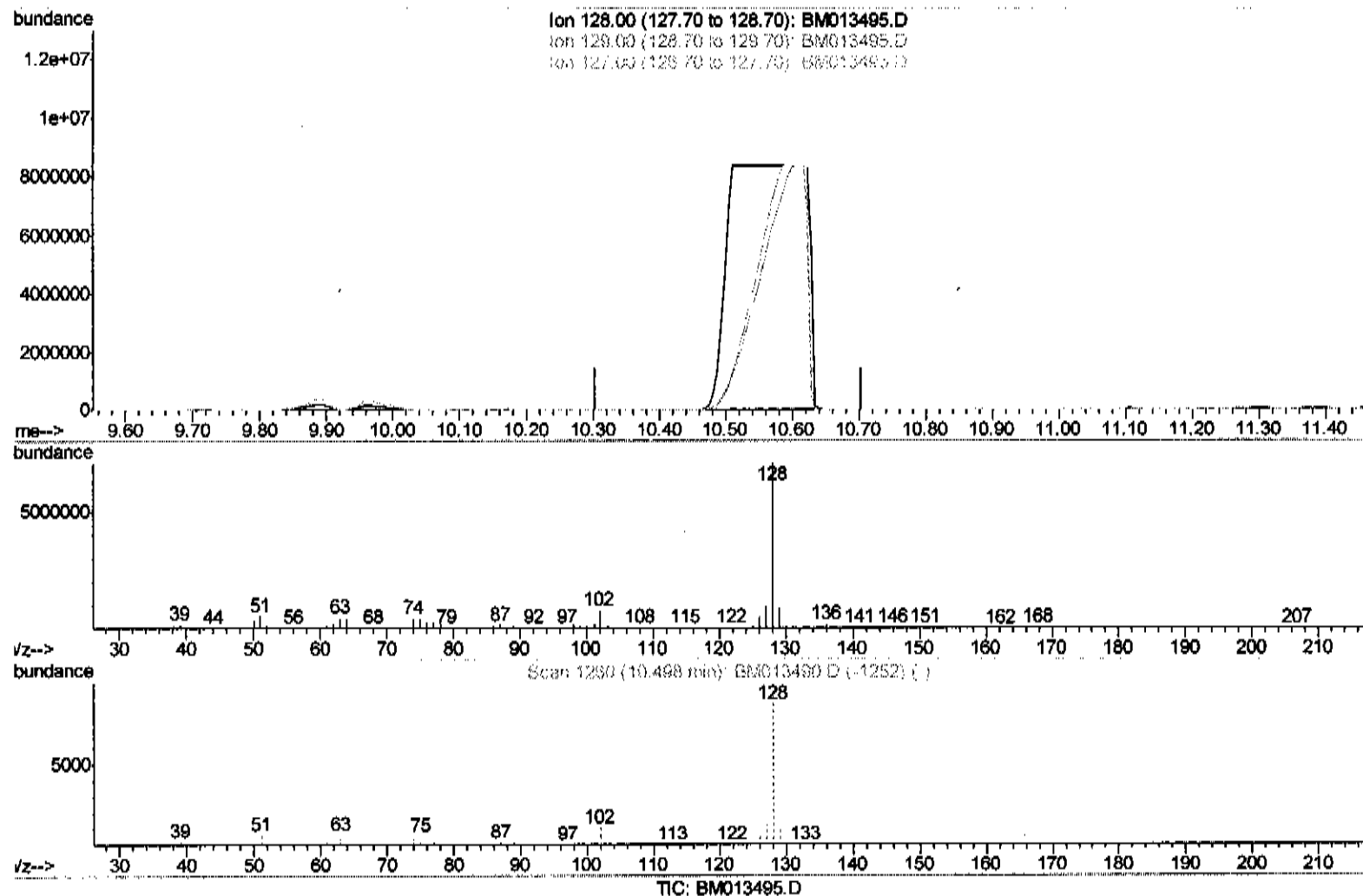
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(28) Naphthalene

10.504min (-10.504) 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

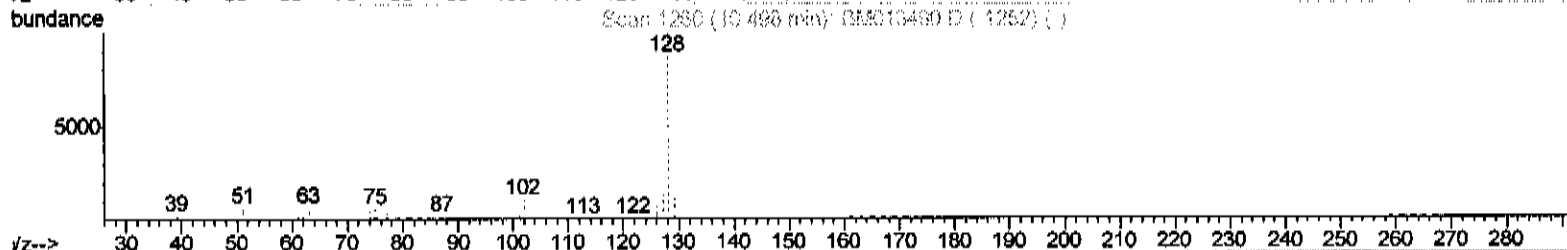
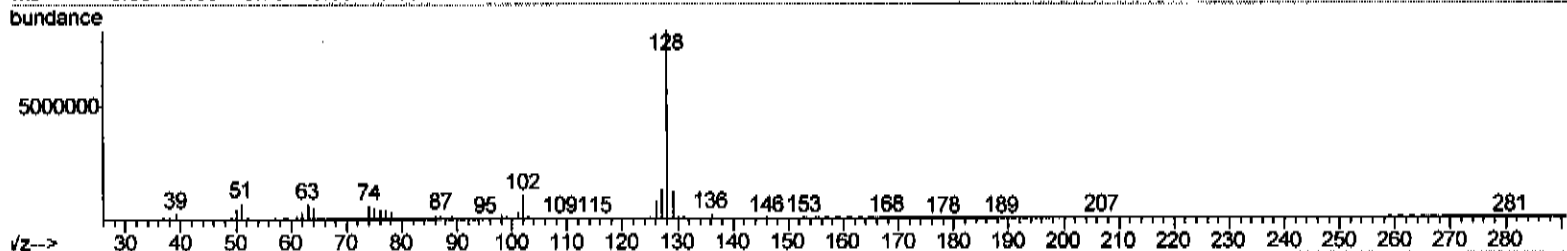
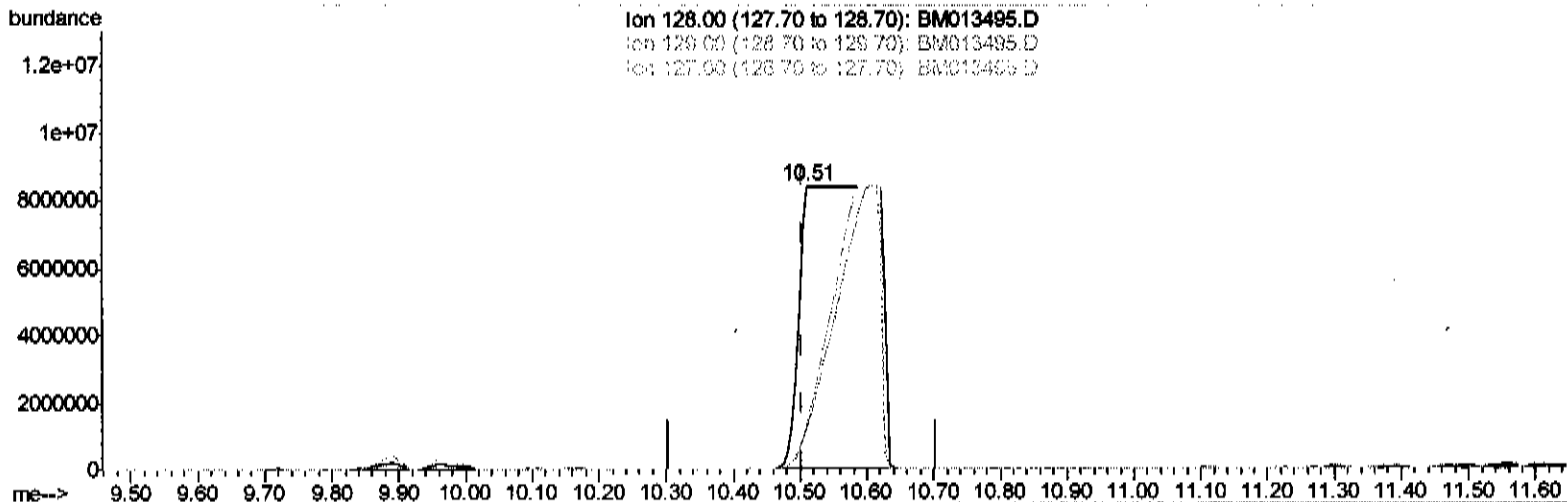
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 17:09:45 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



TIC: BM013495.D

(28) Naphthalene

10.510min (+0.006) 1265.38ng/ul m

SJ 12/19/17

response 66926664

Ion	Exp%	Act%
128.00	100	100
129.00	11.00	14.11#
127.00	13.30	15.83
0.00	0.00	0.00

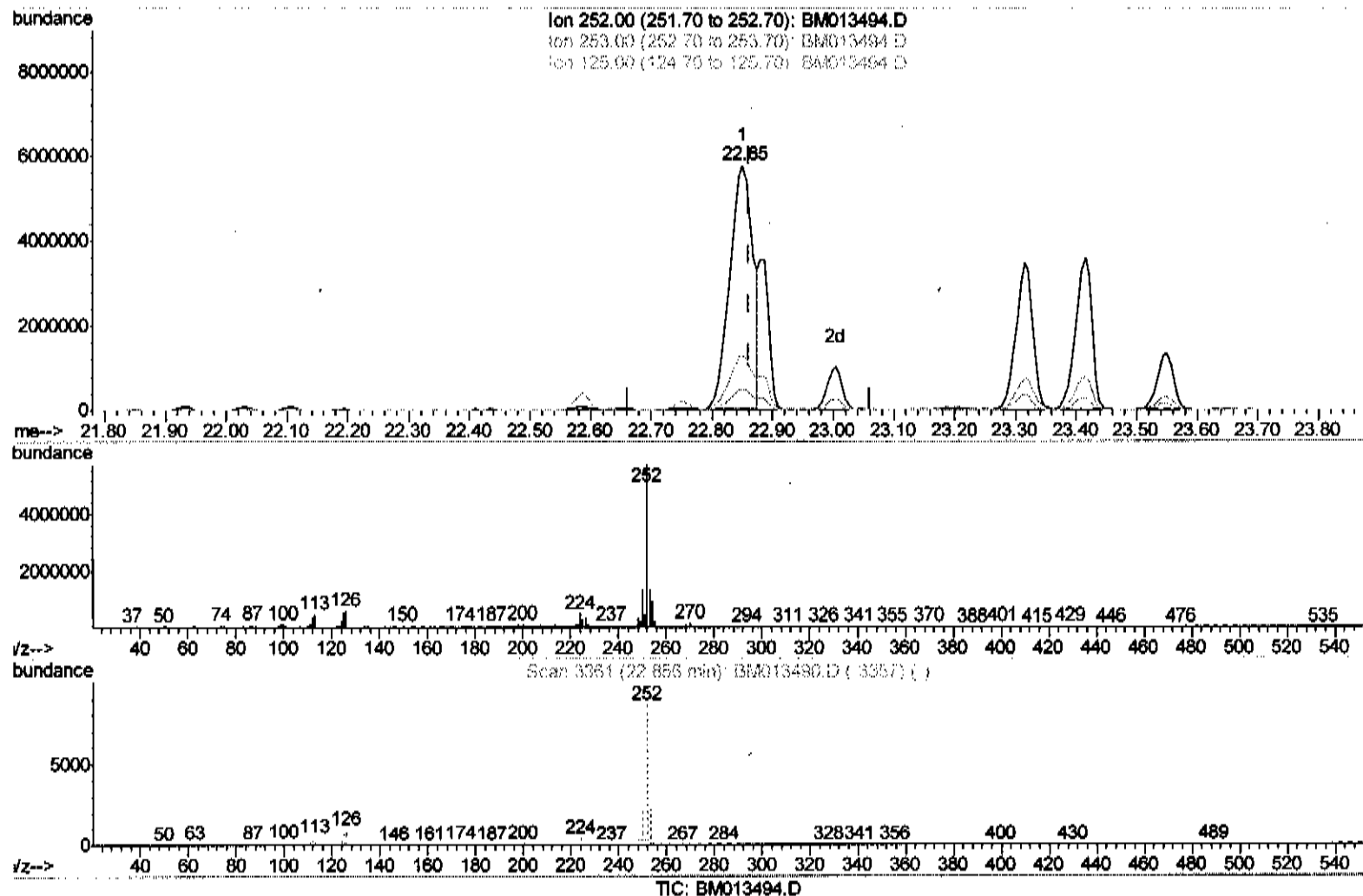
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013494.D
 Acq On : 18 Dec 2017 12:25
 Operator : SJ/JU
 Sample : I6775-15ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:28 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.850min (-0.012) 285.07ng/ul

response 15271185

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.53
125.00	4.30	8.69#
0.00	0.00	0.00

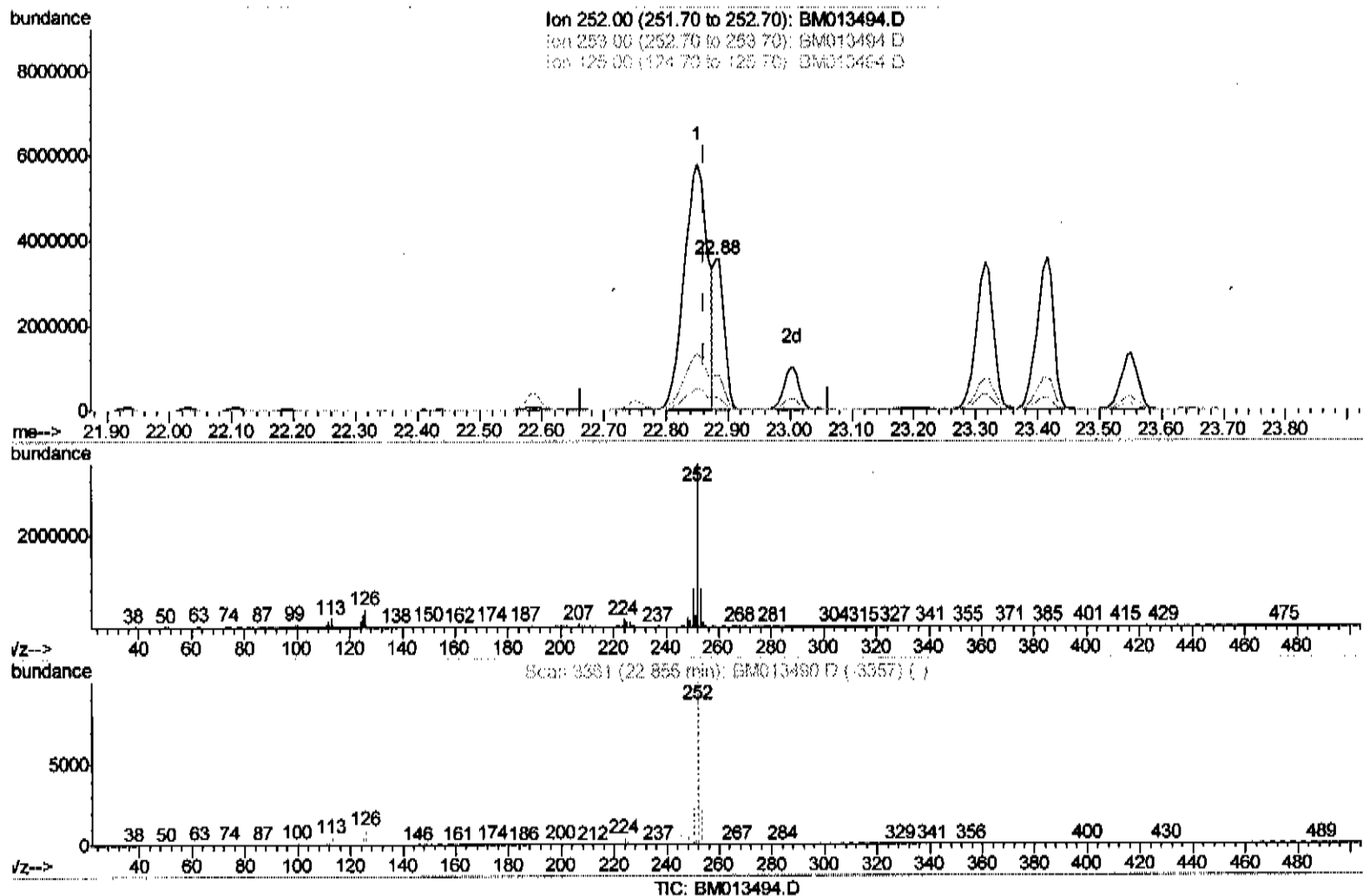
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013494.D
 Acq On : 18 Dec 2017 12:25
 Operator : SJ/JU
 Sample : I6775-15ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:28 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.880min (+0.018) 75.50ng/ul m

59 12/19/17

response 4044725

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.18
125.00	4.30	7.84#
0.00	0.00	0.00

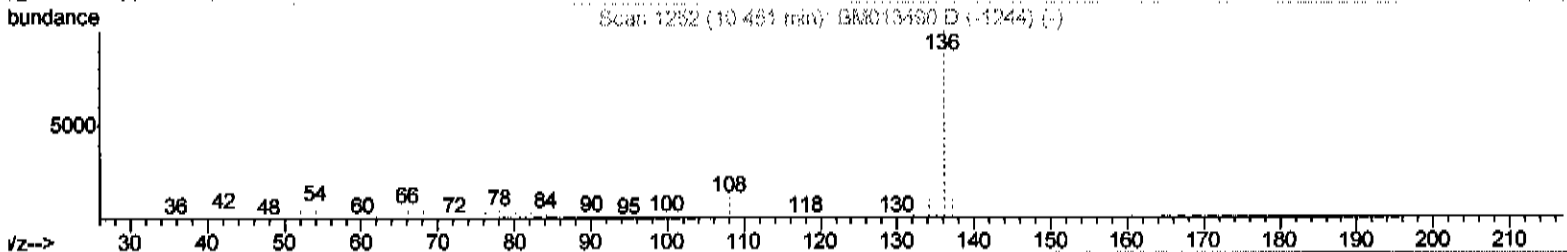
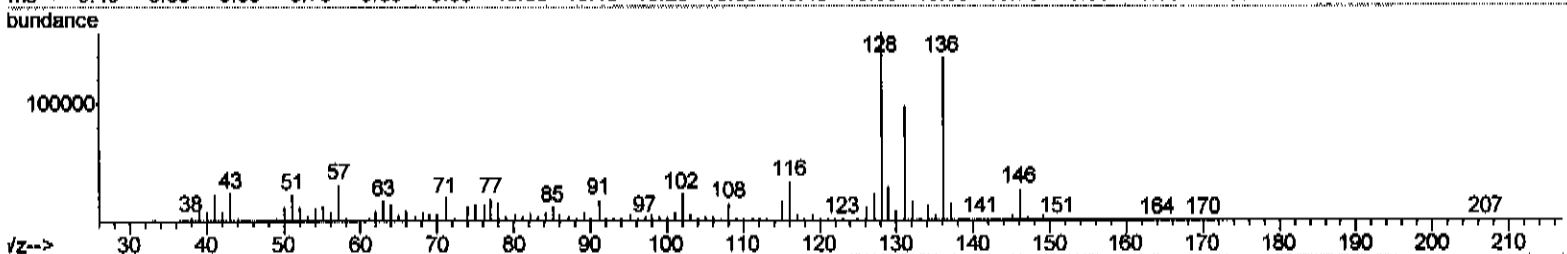
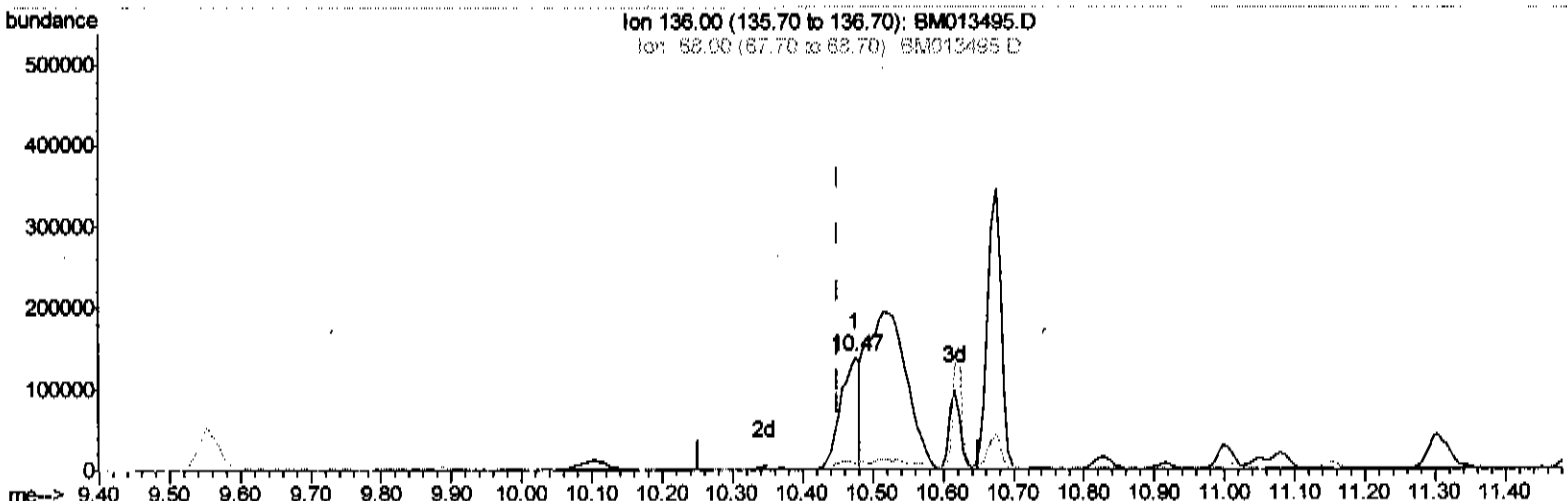
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



TIC: BM013495.D

(18) Naphthalene-d8 (I)

10.475min (+0.023) 20.00ng/ul

response 267390

Ion	Exp%	Act%
136.00	100	100
68.00	4.70	6.09#
0.00	0.00	0.00
0.00	0.00	0.00

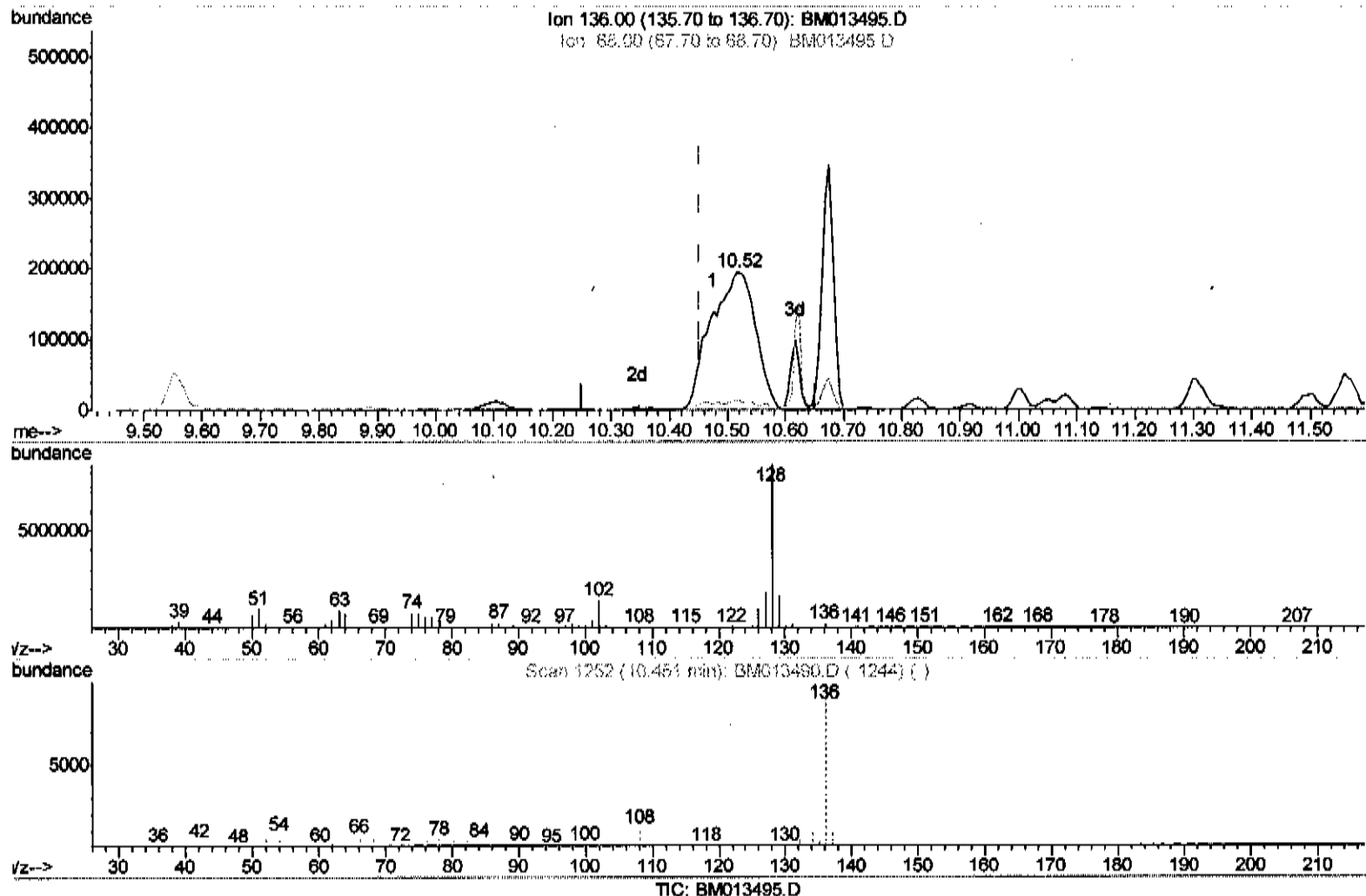
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(18) Naphthalene-d8 (I)

10.516min (+0.065) 20.00ng/ul m

SJ 12/19/17

response 1028020

Ion	Exp%	Act%
136.00	100	100
68.00	4.70	6.55#
0.00	0.00	0.00
0.00	0.00	0.00

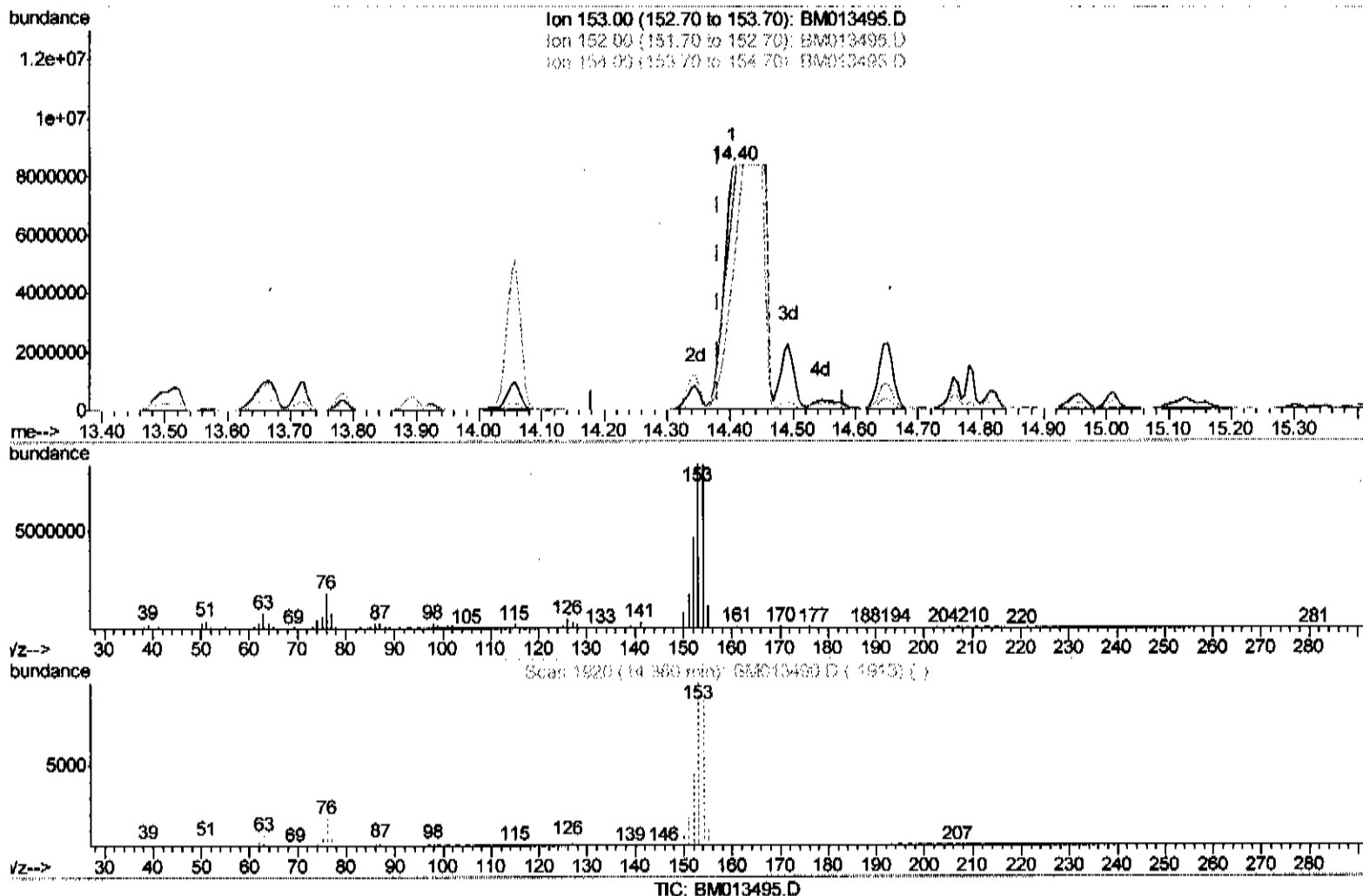
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(49) Acenaphthene (C)

14.404min (+0.023) 57.48ng/ul

response 2994505

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	54.97
154.00	88.00	100.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

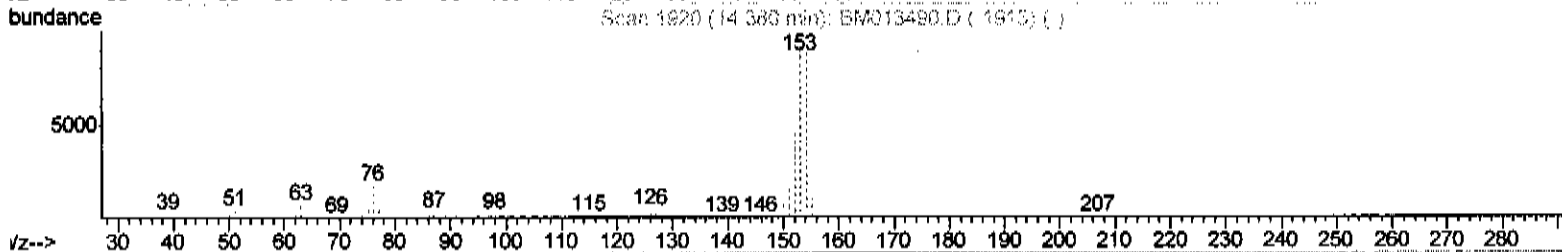
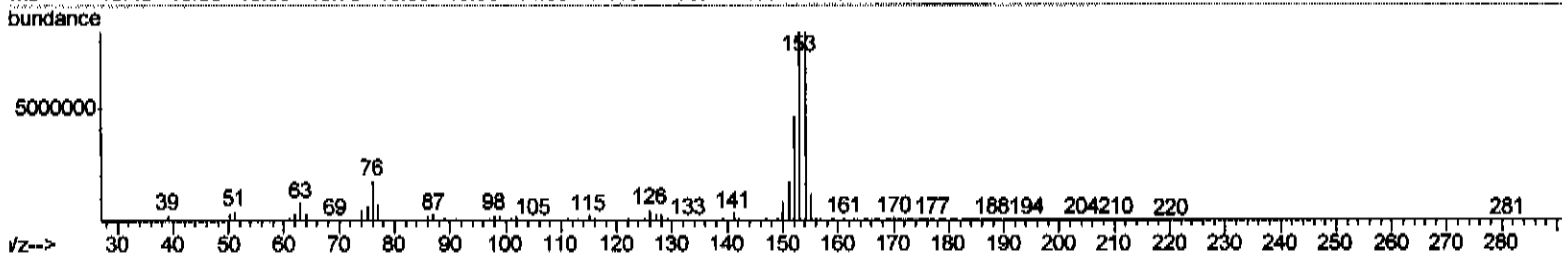
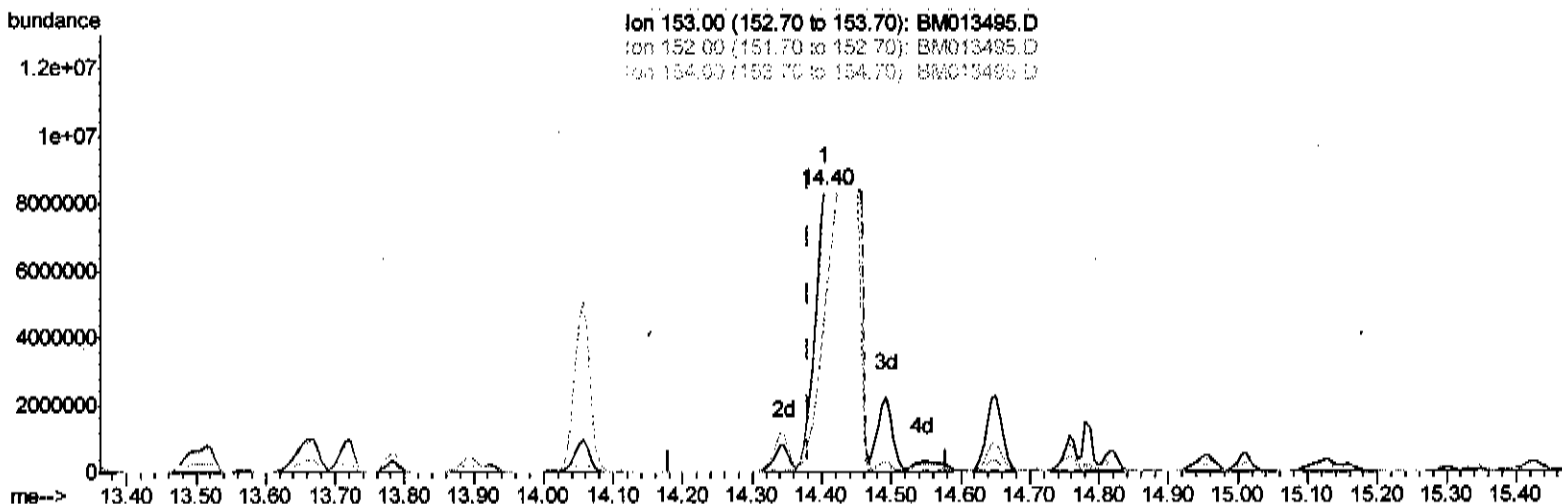
Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration

Ion 153.00 (152.70 to 153.70): BM013495.D
 Ion 152.00 (151.70 to 152.70): BM013495.D
 Ion 154.00 (153.70 to 154.70): BM013495.D



TIC: BM013495.D

(49) Acenaphthene (C)

14.404min (+0.023) 697.60ng/ul m

SJ 12/19/17

response 36353029

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	54.97
154.00	88.00	100.00
0.00	0.00	0.00

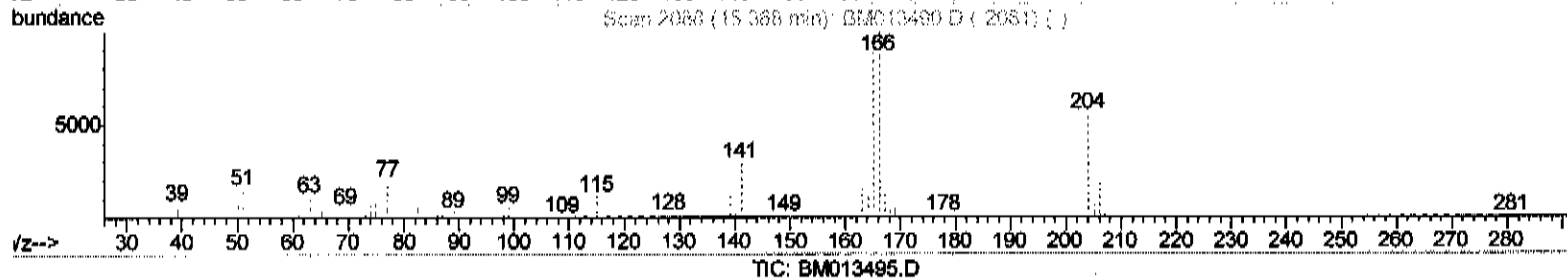
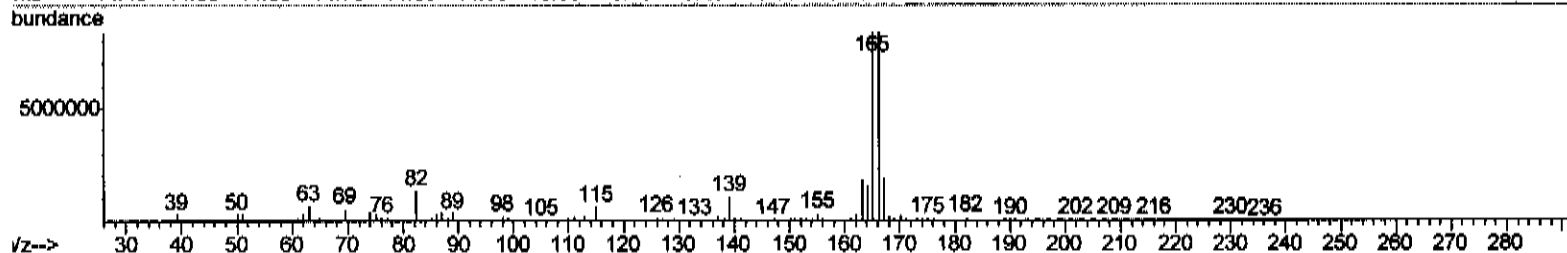
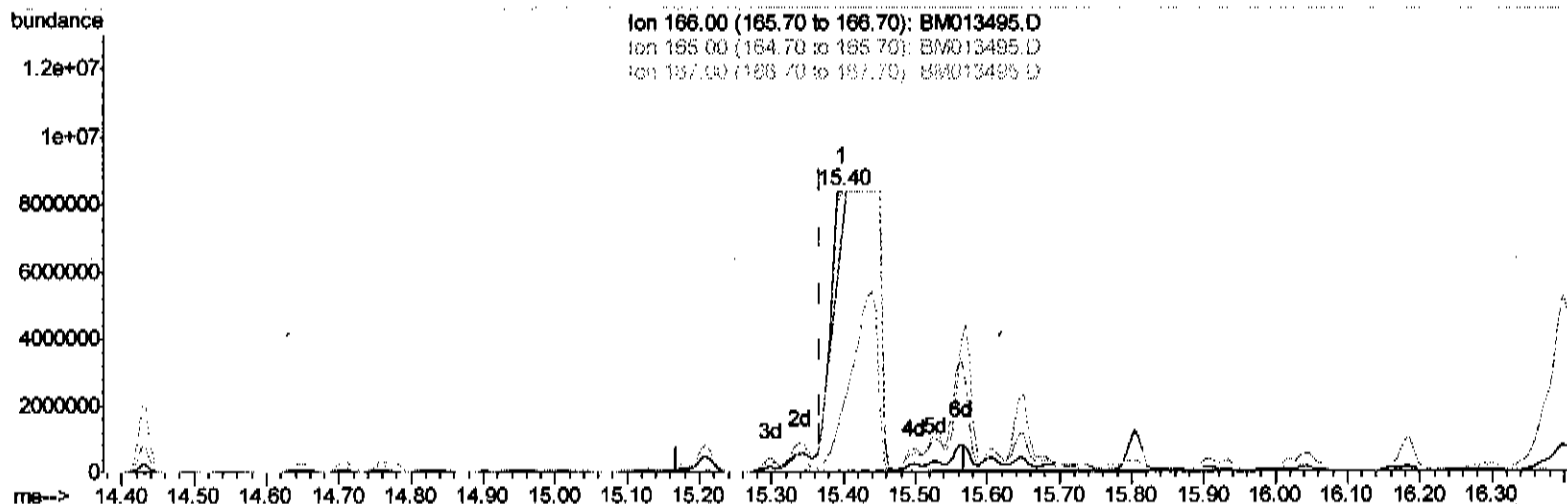
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(58) Fluorene

15.398min (+0.029) 59.11ng/ul

response 3761839

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	100.00
167.00	13.30	22.58#
0.00	0.00	0.00

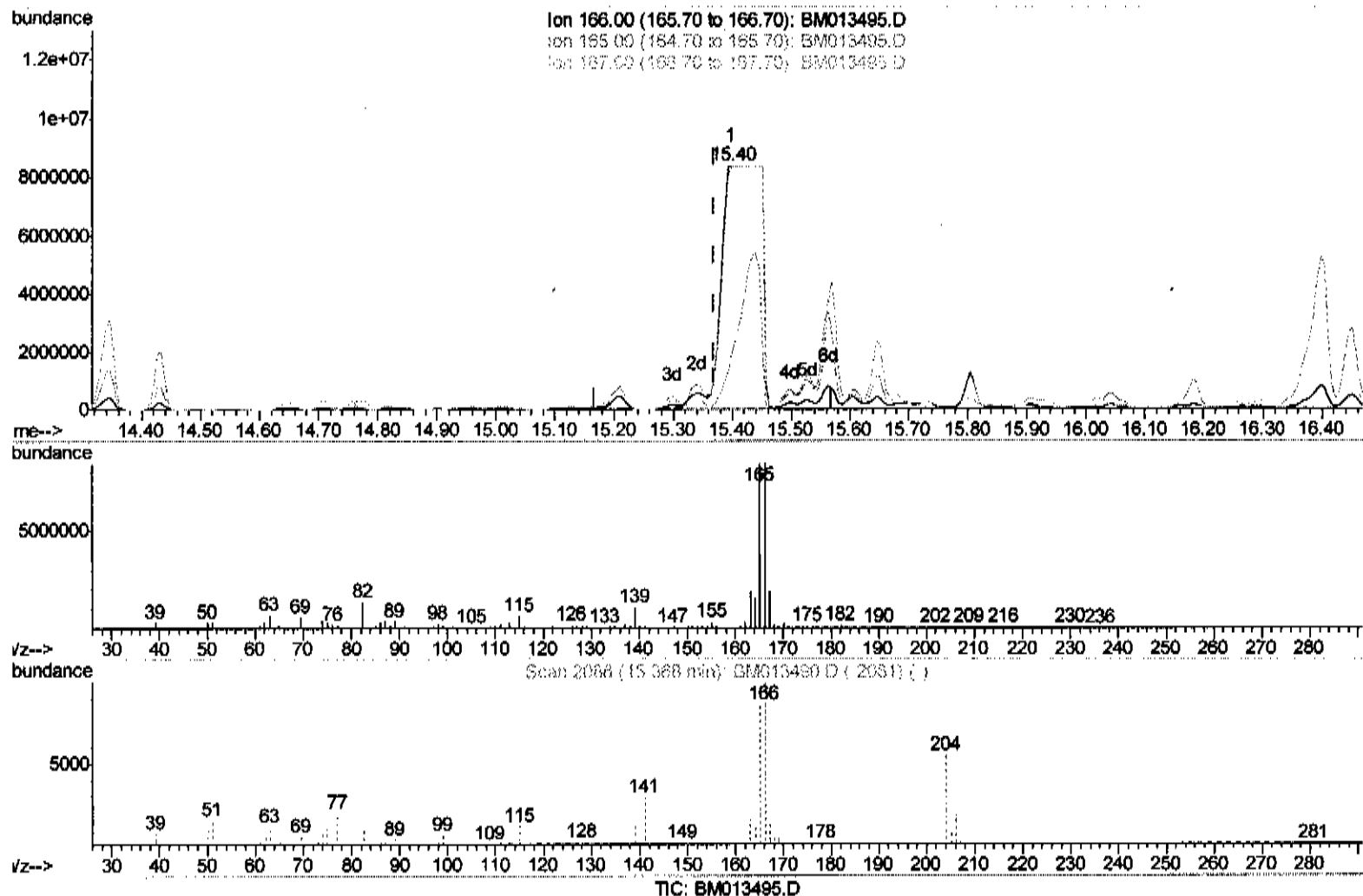
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(58) Fluorene

15.398min (+0.029) 610.36ng/ul m

response 38844625

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	100.00
167.00	13.30	22.58#
0.00	0.00	0.00

SJ 12/19/17

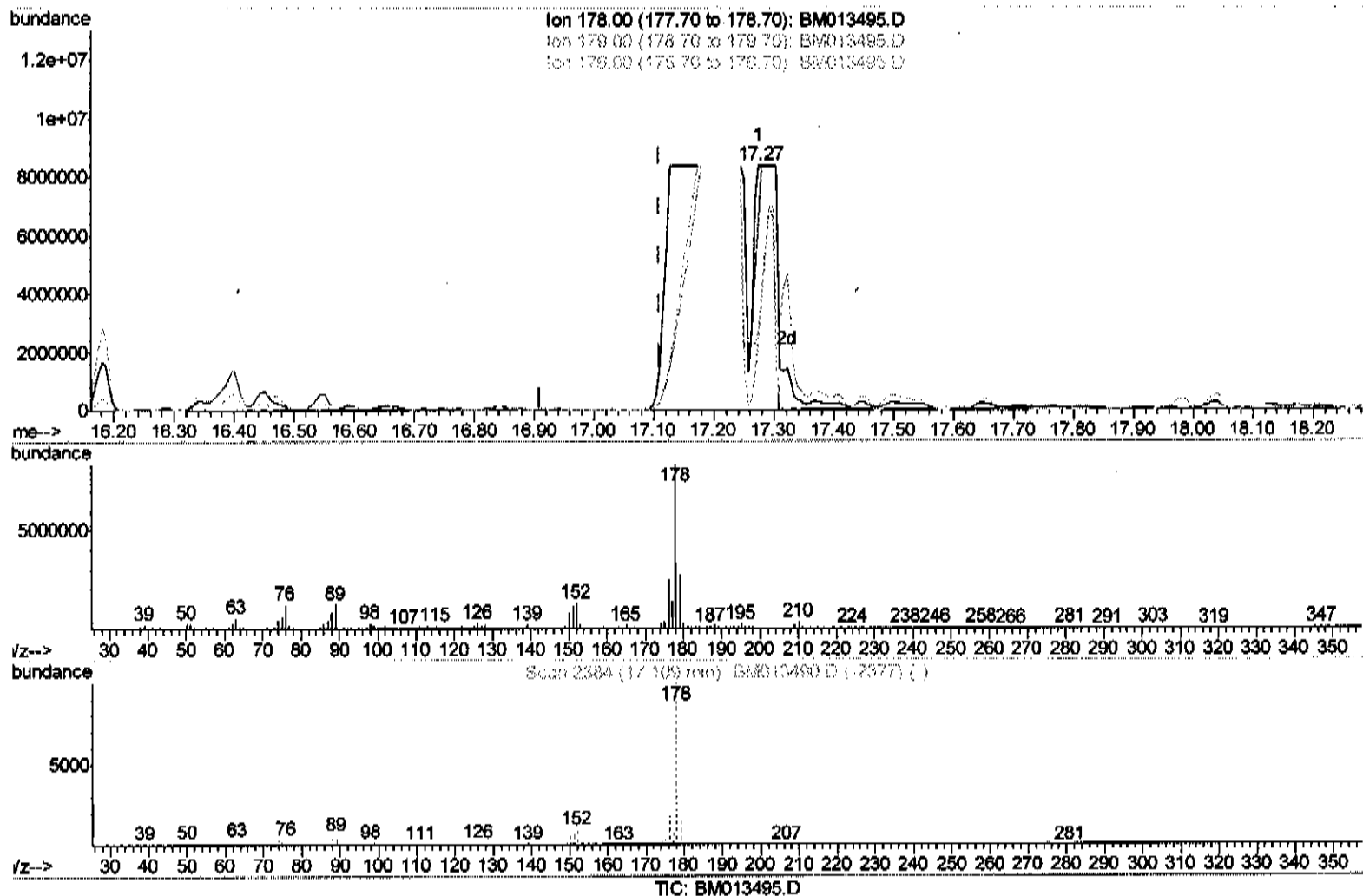
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(69) Phenanthrene

17.274min (+0.165) 38.78ng/ul

response 3038805

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	33.13#
176.00	18.80	29.92#
0.00	0.00	0.00

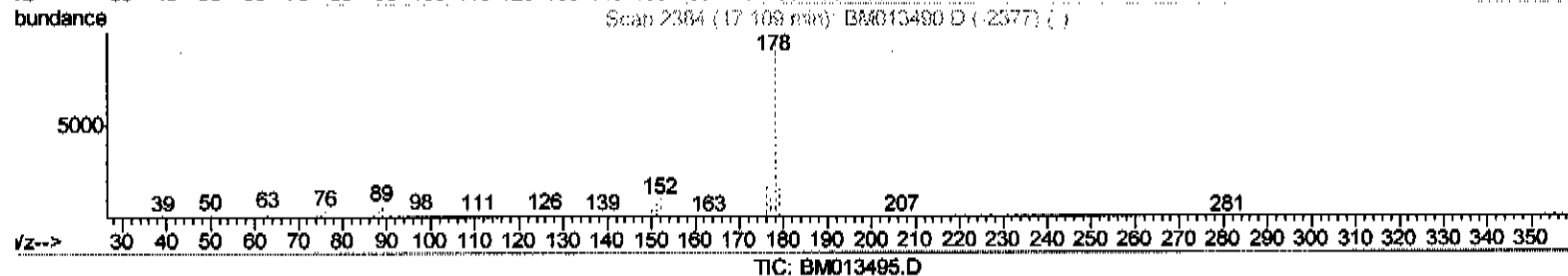
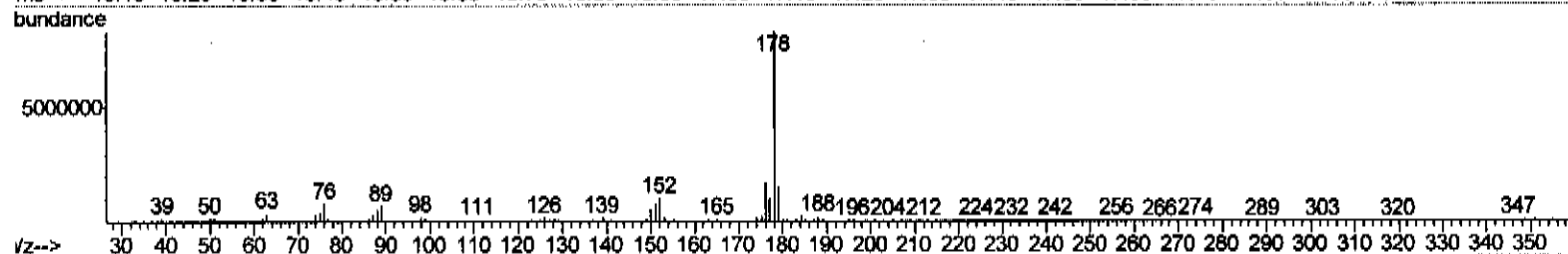
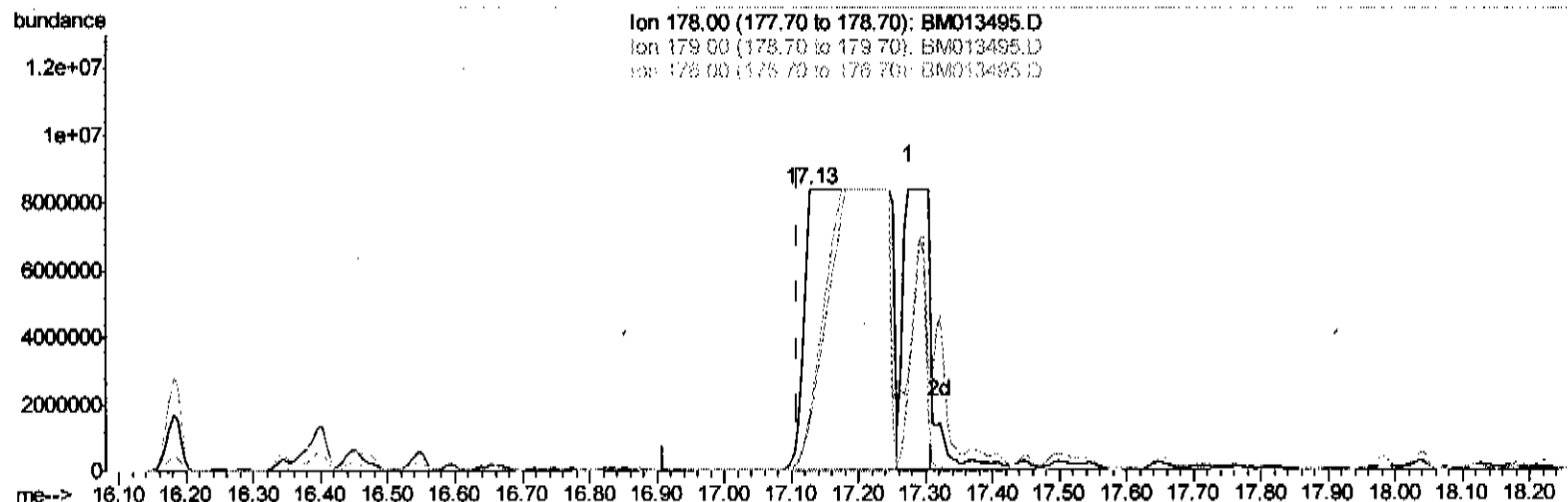
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(69) Phenanthrene

17.127min (+0.018) 884.90ng/ul m

SJ 12/19/17

response 69346352

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	17.85
176.00	18.80	20.26
0.00	0.00	0.00

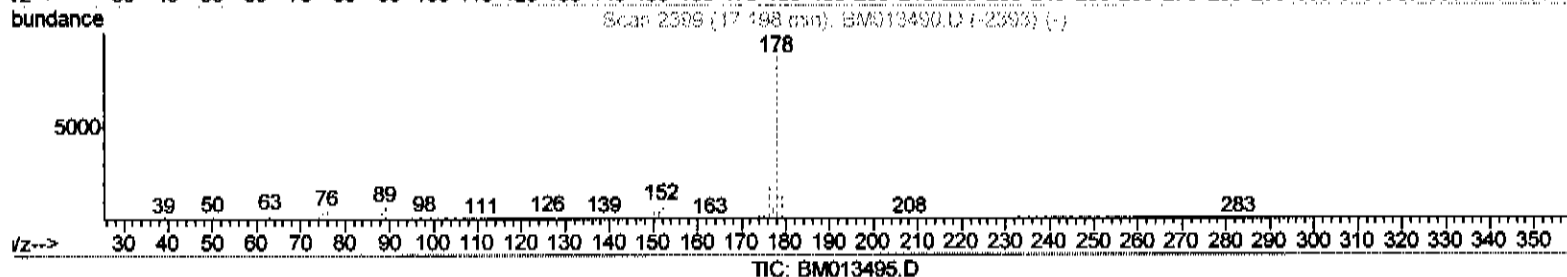
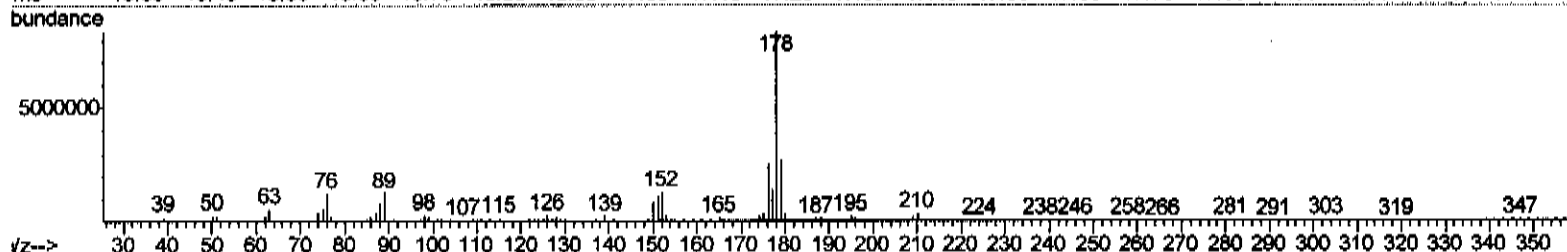
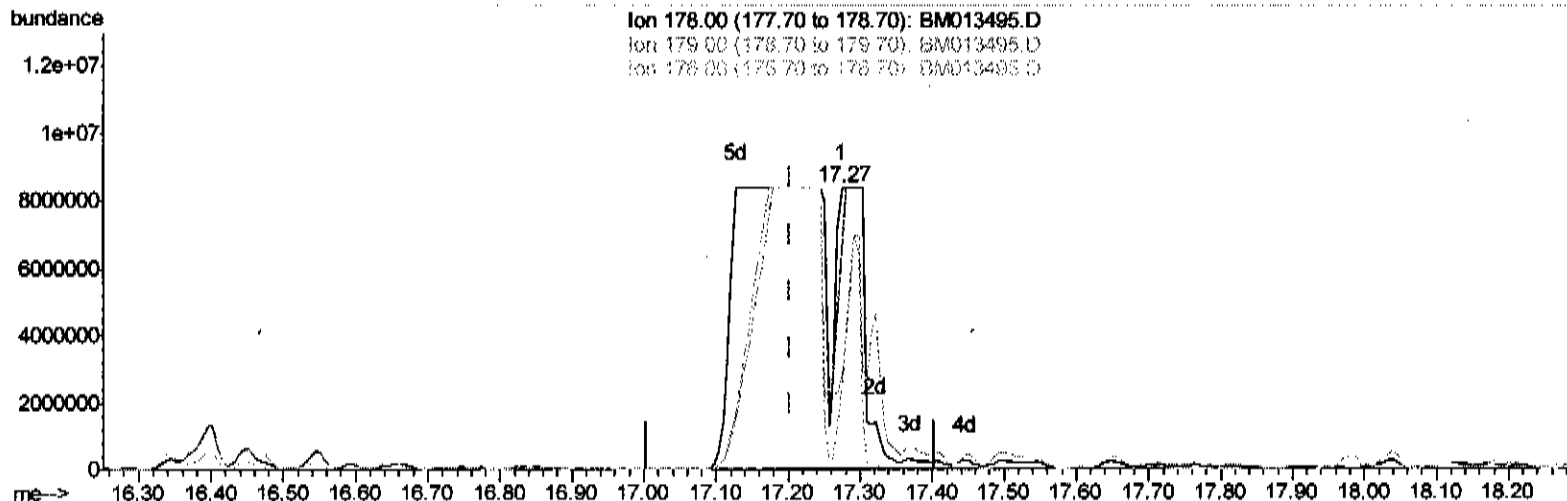
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(71) Anthracene

17.274min (+0.071) 37.94ng/ul

response 3038805

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	33.13#
176.00	18.20	29.92#
0.00	0.00	0.00

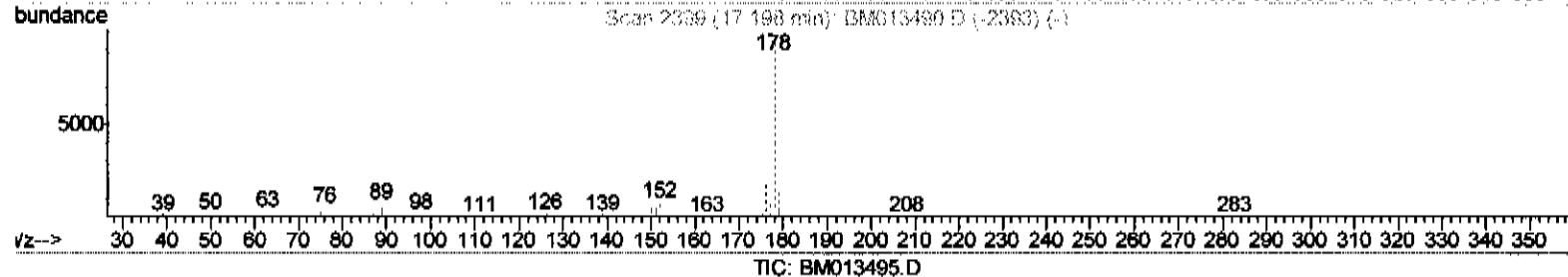
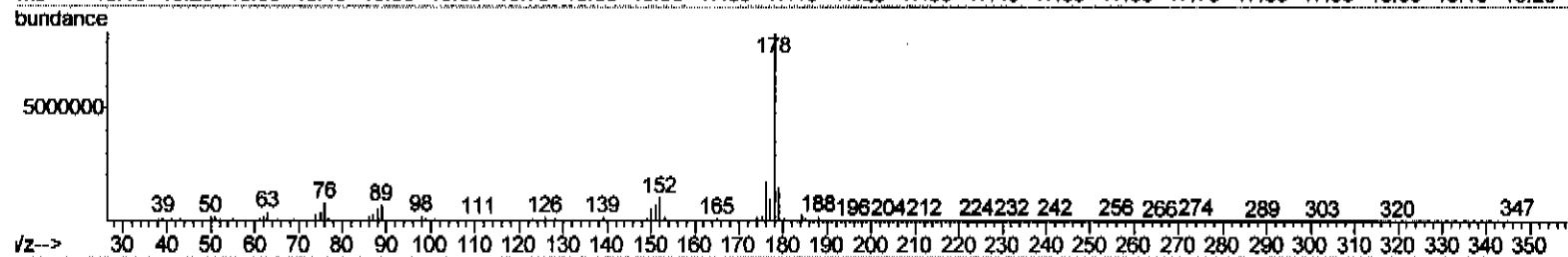
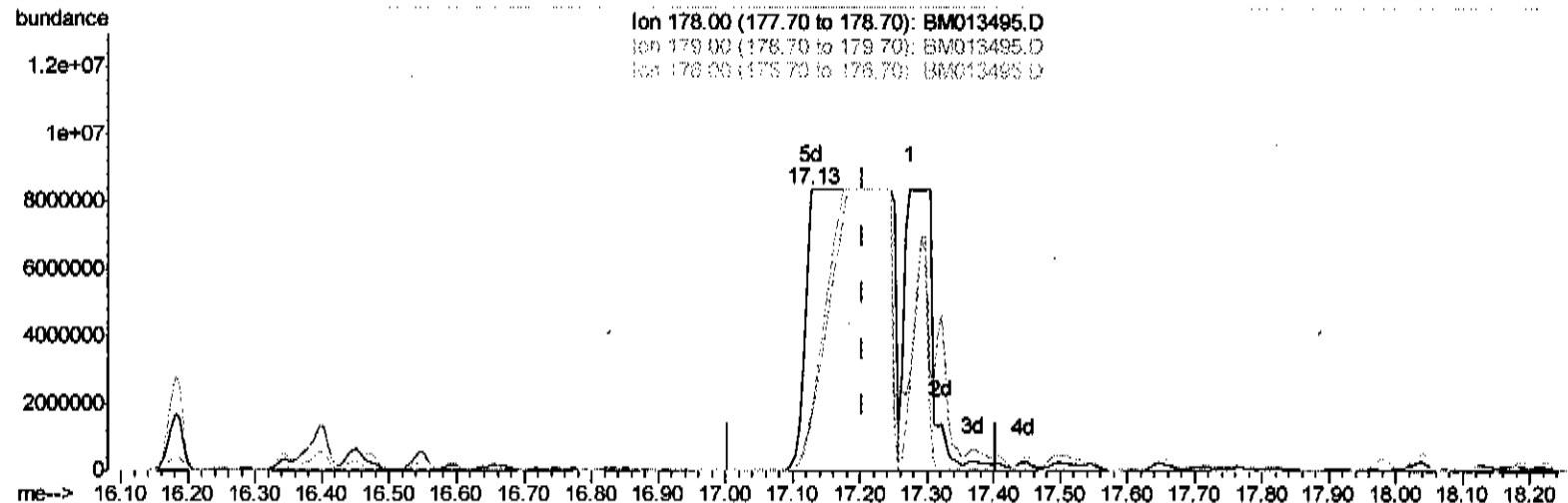
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(71) Anthracene

17.127min (-0.076) 865.71ng/ul m

SJ 12/19/17

response 69346352

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	17.85#
176.00	18.20	20.28
0.00	0.00	0.00

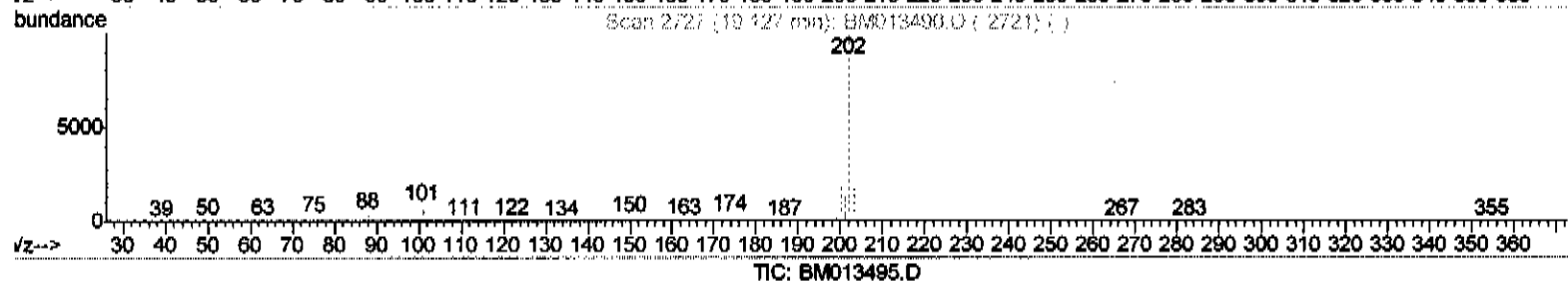
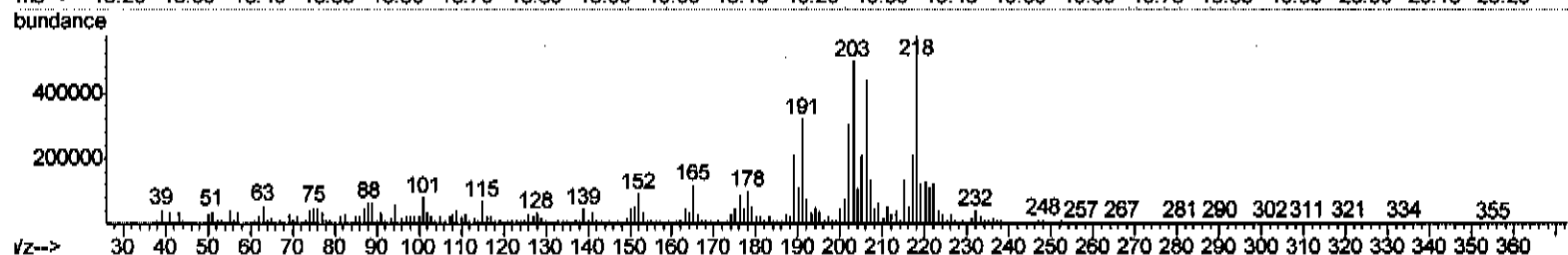
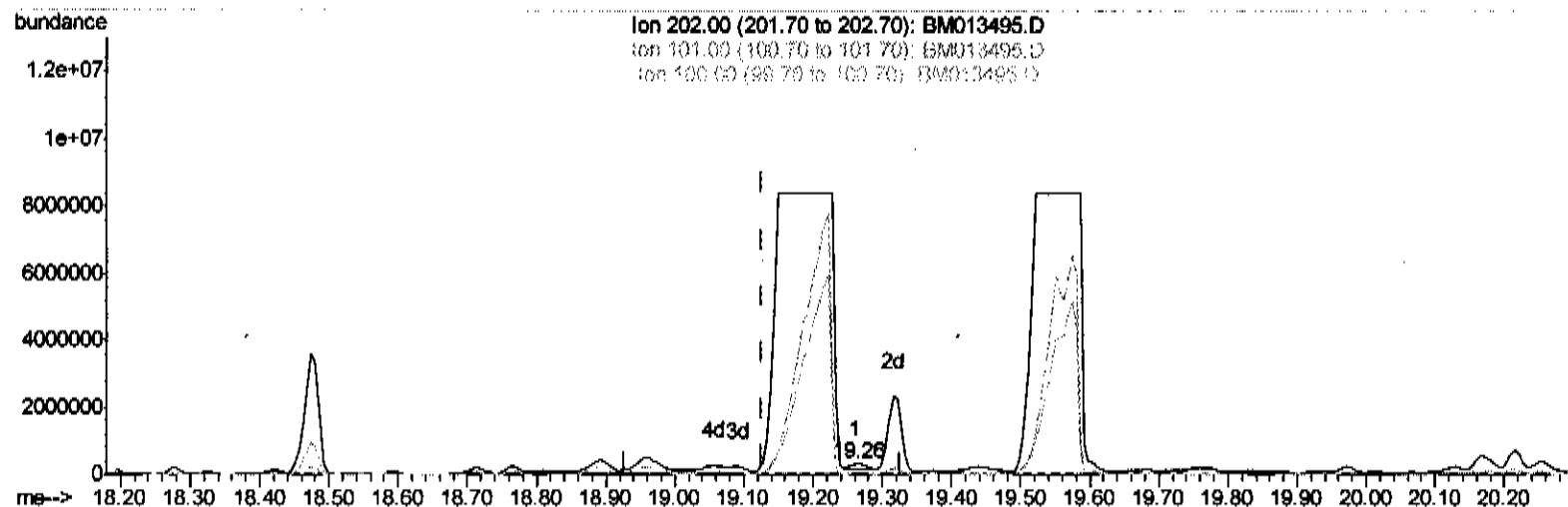
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



TIC: BM013495.D

(74) Fluoranthene (C)

19.262min (+0.135) 2.81ng/ul

response 269500

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	25.42#
100.00	4.30	7.74#
0.00	0.00	0.00

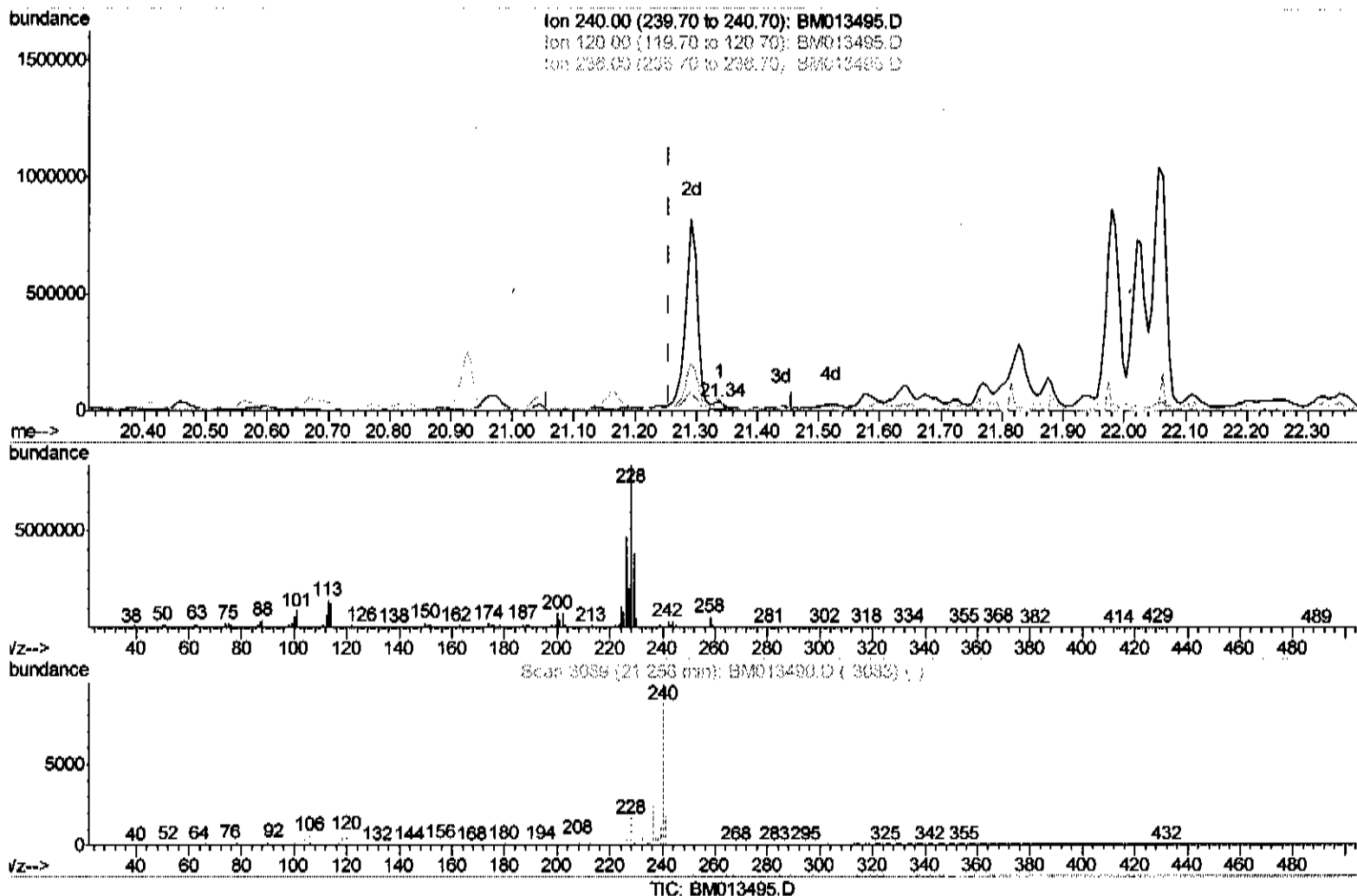
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(75) Chrysene-d12 (I)

21.339min (+0.082) 20.00ng/ul

response 33060

Ion	Exp%	Act%
240.00	100	100
120.00	4.60	118.24#
236.00	24.80	32.35#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

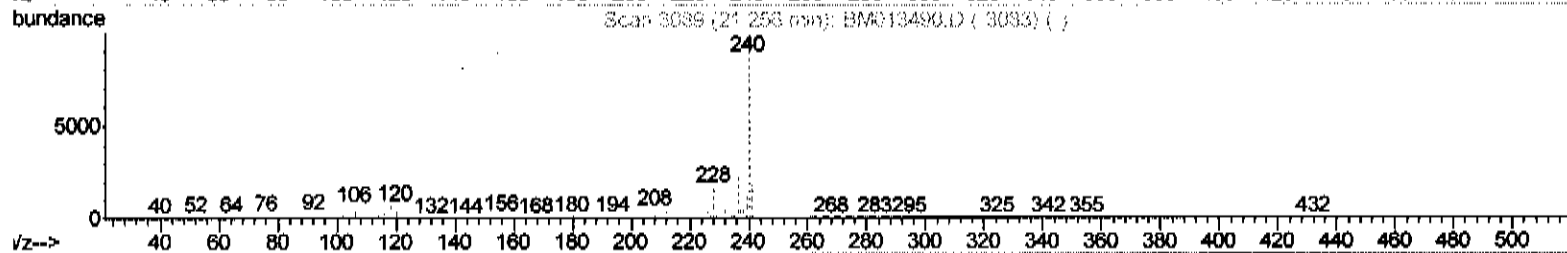
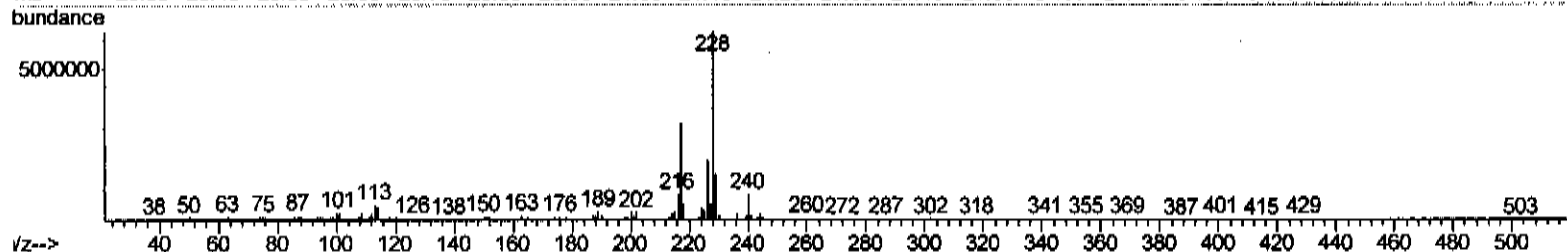
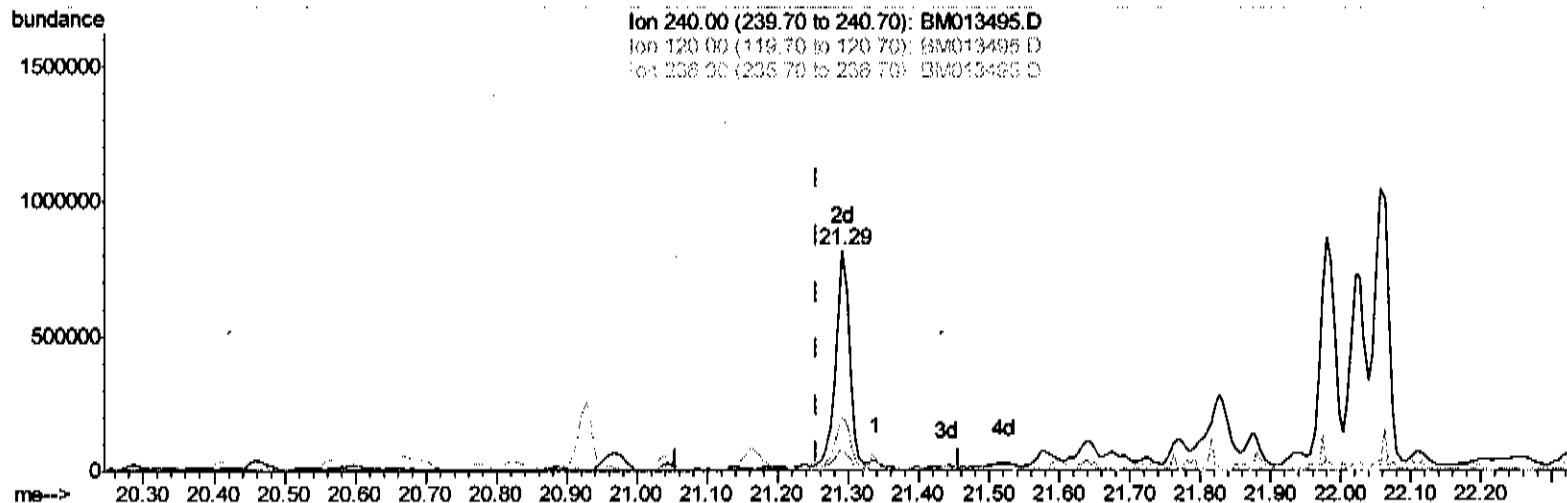
Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 14:37:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration

Ion 240.00 (239.70 to 240.70): BM013495.D
 Ion 120.00 (119.70 to 120.70): BM013495.D
 Ion 238.00 (235.70 to 238.70): BM013495.D



TIC: BM013495.D

(75) Chrysene-d12 (I)

21.292min (+0.035) 20.00ng/ul m

GG 12/19/17

response 1144244

Ion	Exp%	Act%
240.00	100	100
120.00	4.60	9.81#
238.00	24.80	25.03
0.00	0.00	0.00

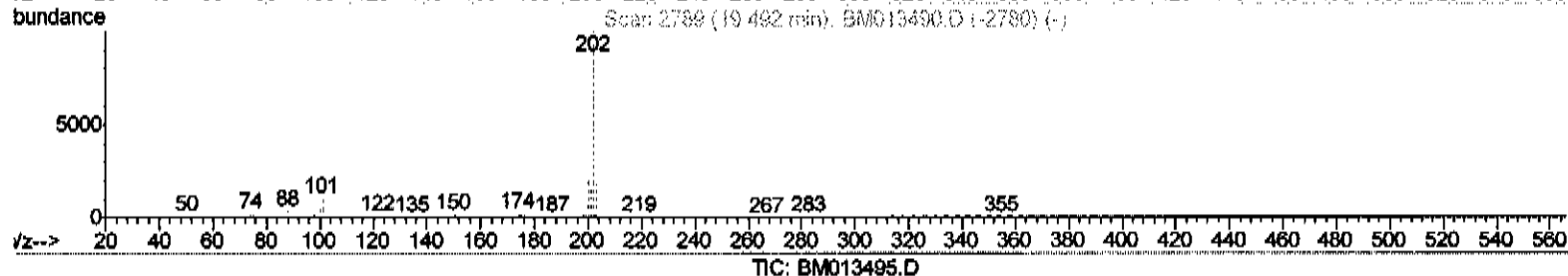
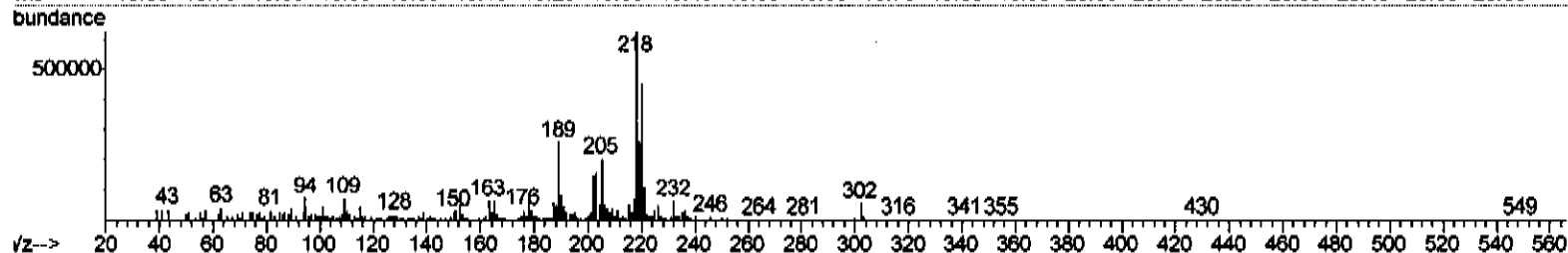
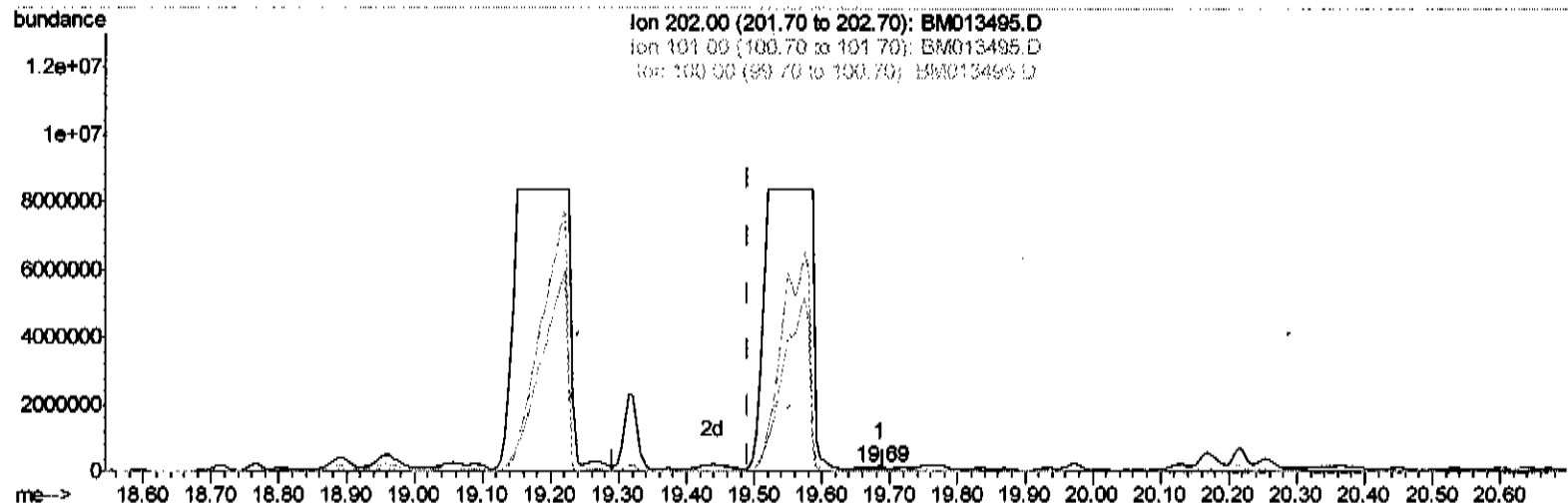
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 17:00:16 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(77) Pyrene

19.686min (+0.194) 2.84ng/ul

response 197595

Ion	Exp%	Act%
202.00	100	100
101.00	6.40	28.69#
100.00	6.10	9.54#
0.00	0.00	0.00

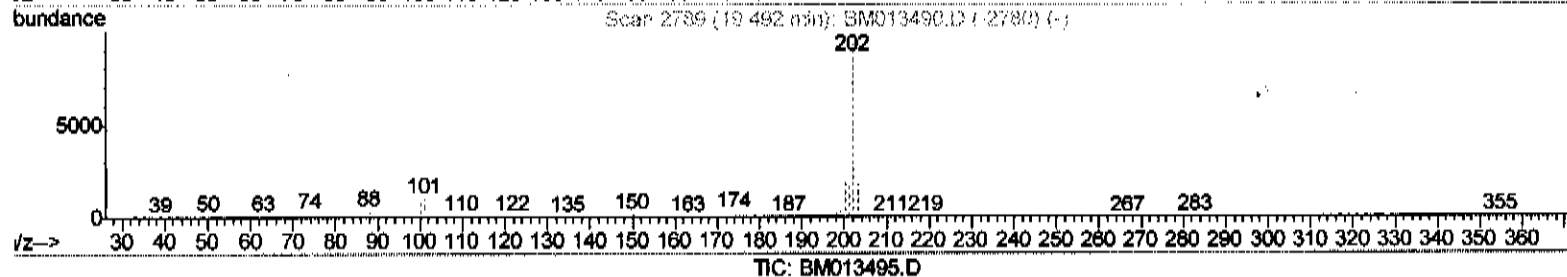
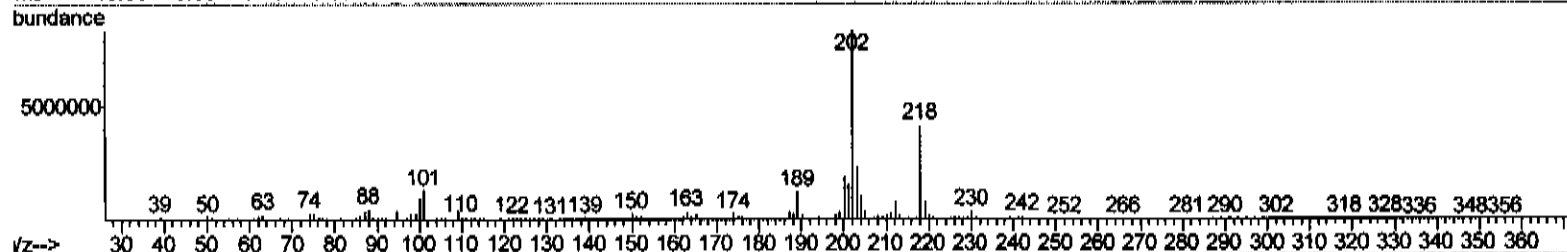
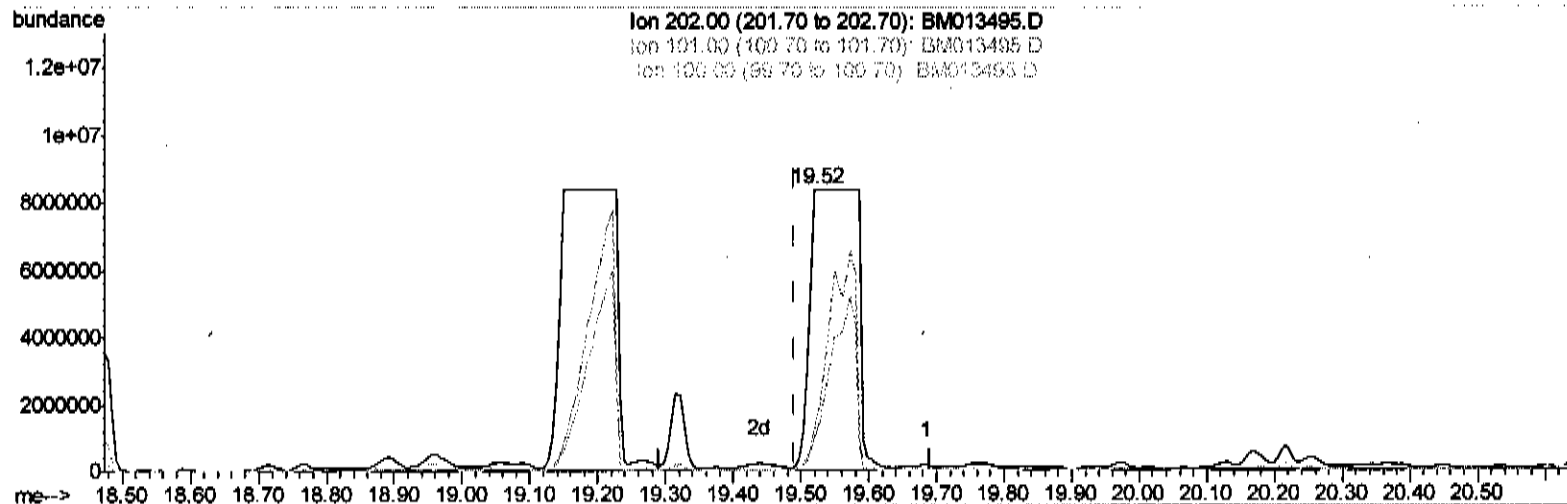
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
 Data File : BM013495.D
 Acq On : 18 Dec 2017 13:01
 Operator : SJ/JU
 Sample : I6778-14ME
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79ME

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:21 PM

Quant Time: Dec 18 17:00:16 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration



(77) Pyrene

19.521min (+0.029) 574.45ng/ul m

SJ 12/19/17

response 39933484

Ion	Exp%	Act%
202.00	100	100
101.00	6.40	15.61#
100.00	6.10	11.79#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F9A79ME

Manual Integrations
APPROVED

Sohil
12/19/2017 4:56:21 PM

Quant Time: Dec 18 17:12:03 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	209397	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	1028020m	20.00	ng/ul	0.06
35) Acenaphthene-d10	14.34	164	752766	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.15	188	1379396	20.00	ng/ul	0.08
75) Chrysene-d12	21.29	240	1144244m	20.00	ng/ul	0.04
83) Perylene-d12	23.51	264	904605m	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	23433	5.54	ng/uL	0.00
5) Phenol-d5	6.86	99	669029	36.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	382121	36.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	539232	38.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	587490	37.96	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	315679	38.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	332216	38.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	610232	33.94	ng/ul	0.02
29) 4-Chloroaniline-d4	10.62	131	1432928	86.71	ng/ul	0.02
43) Dimethylphthalate-d6	13.76	166	1863557	27.82	ng/ul	0.03
46) Acenaphthylene-d8	14.02	160	2396672	28.99	ng/ul	0.01
51) 4-Nitrophenol-d4	14.57	143	322935	27.75	ng/ul	0.04
57) Fluorene-d10	15.33	176	1707622	29.64	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.50	200	7103	0.82	ng/ul	0.05
70) Anthracene-d10	17.15	188	1393309m	20.17	ng/ul	-0.02
76) Pyrene-d10	19.52	212	2753498	48.30	ng/ul	0.06
87) Benzo(a)pyrene-d12	23.37	264	1792091	38.89	ng/ul	0.03

Target Compounds

					Qvalue
6) Phenol	6.88	94	24575	1.372	ng/ul# 90
24) 2,4-Dimethylphenol	9.65	107	119475	6.056	ng/ul 88
28) Naphthalene	10.51	128	66926664m	1265.383	ng/ul
34) 2-Methylnaphthalene	12.14	142	35369232m	889.589	ng/ul
40) 1,1'-Biphenyl	13.16	154	16279358	255.885	ng/ul# 97
44) Dimethylphthalate	13.80	163	173597	2.710	ng/ul 96
47) Acenaphthylene	14.06	152	7978664	104.299	ng/ul# 95
49) Acenaphthene	14.40	153	36353029m	697.602	ng/ul
53) Dibenzofuran	14.74	168	32359240m	420.629	ng/ul
58) Fluorene	15.40	166	38844625m	610.358	ng/ul
64) N-Nitrosodiphenylamine	15.57	169	1375524m	33.852	ng/ul
69) Phenanthrene	17.13	178	69346352m	884.902	ng/ul
71) Anthracene	17.13	178	69346352m	865.714	ng/ul
72) Carbazole	17.52	167	18754307	272.197	ng/ul# 88
74) Fluoranthene	19.15	202	45572568m	474.539	ng/ul
77) Pyrene	19.52	202	39933484m	574.450	ng/ul
80) Benzo(a)anthracene	21.27	228	20934066m	288.350	ng/ul
82) Chrysene	21.33	228	18112413	268.914	ng/ul# 82
85) Benzo(b)fluoranthene	22.86	252	15905510	260.828	ng/ul# 97
86) Benzo(k)fluoranthene	22.89	252	5232524m	91.180	ng/ul
88) Benzo(a)pyrene	23.43	252	10867503	198.388	ng/ul# 98
89) Indeno(1,2,3-cd)pyrene	25.76	276	4915358m	90.434	ng/ul
90) Dibenzo(a,h)anthracene	25.76	278	1464581m	31.645	ng/ul

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Instrument :
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ClientSampleId :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.44	276	3690855	86.088	ng/ul#	95

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