

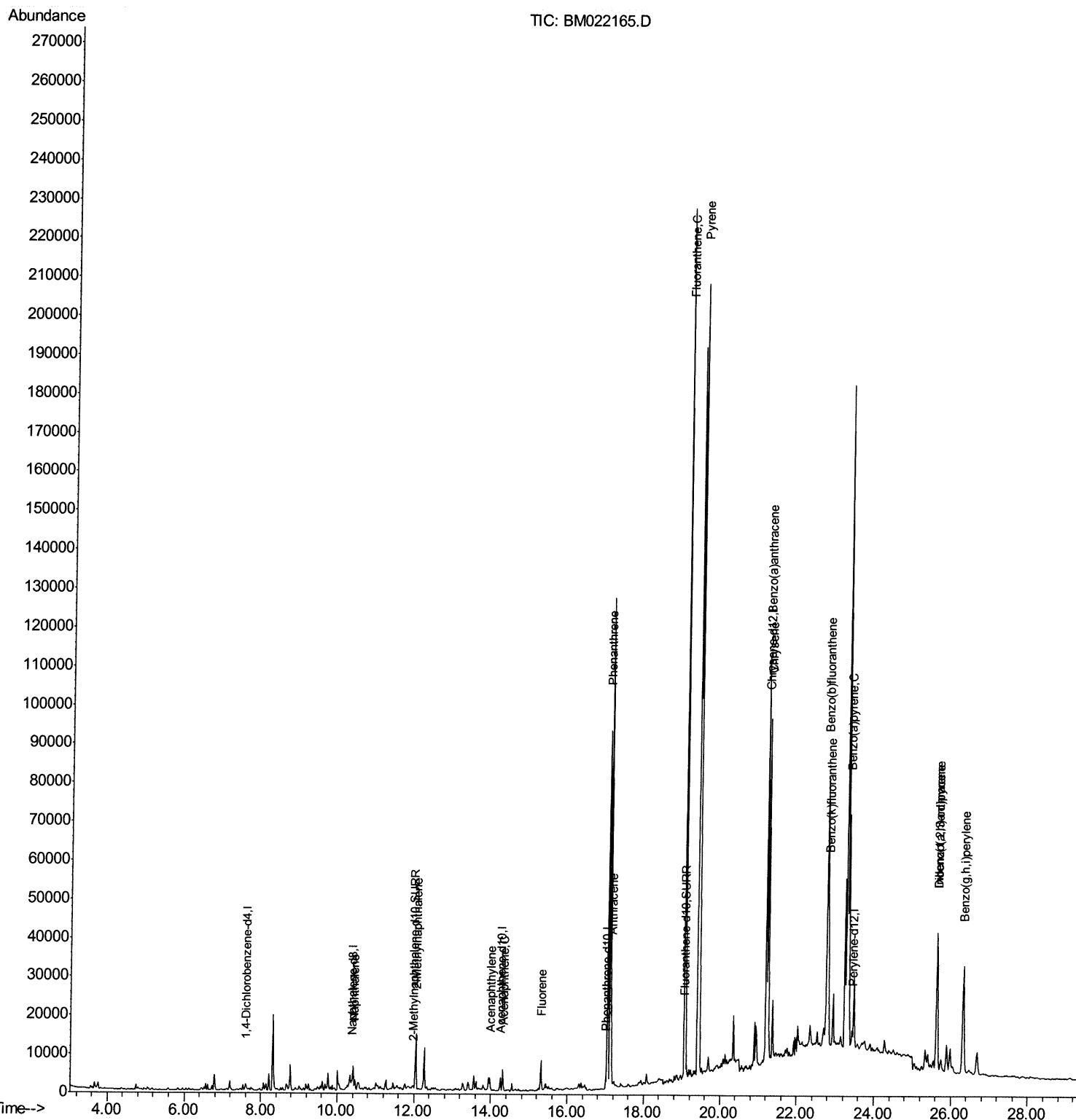
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022165.D
Acq On : 16 Aug 2019 04:19
Operator : HP/JU
Sample : K4183-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG4

Manual Integrations
APPROVED

mohammad
8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:57:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration



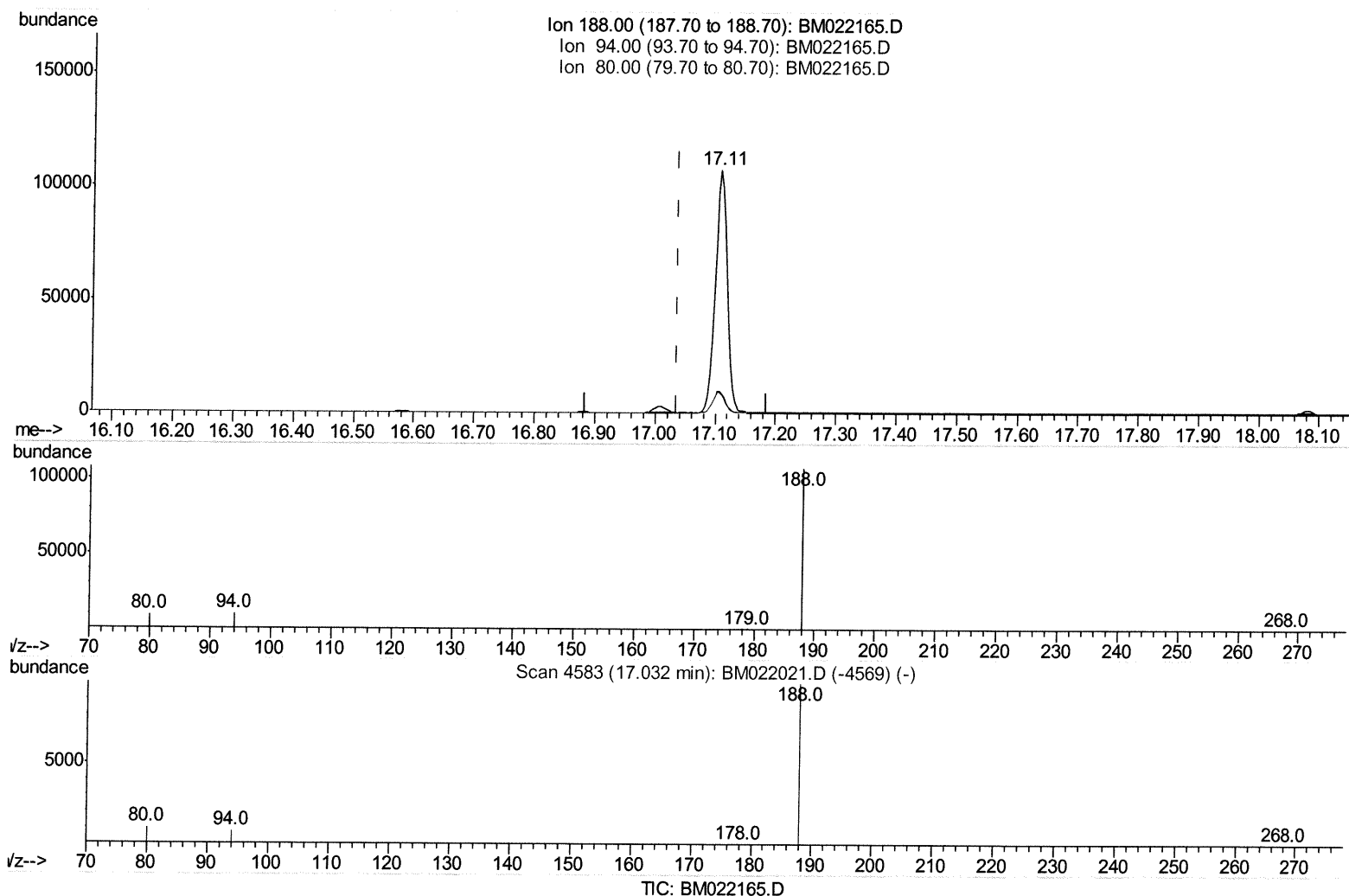
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.107min (+0.071) 0.40ng/ul

response 150447

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.08
80.00	11.40	8.46#
0.00	0.00	0.00

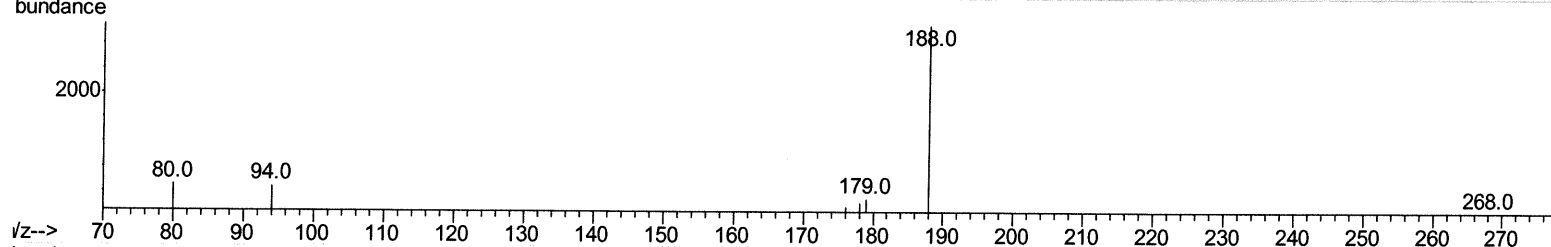
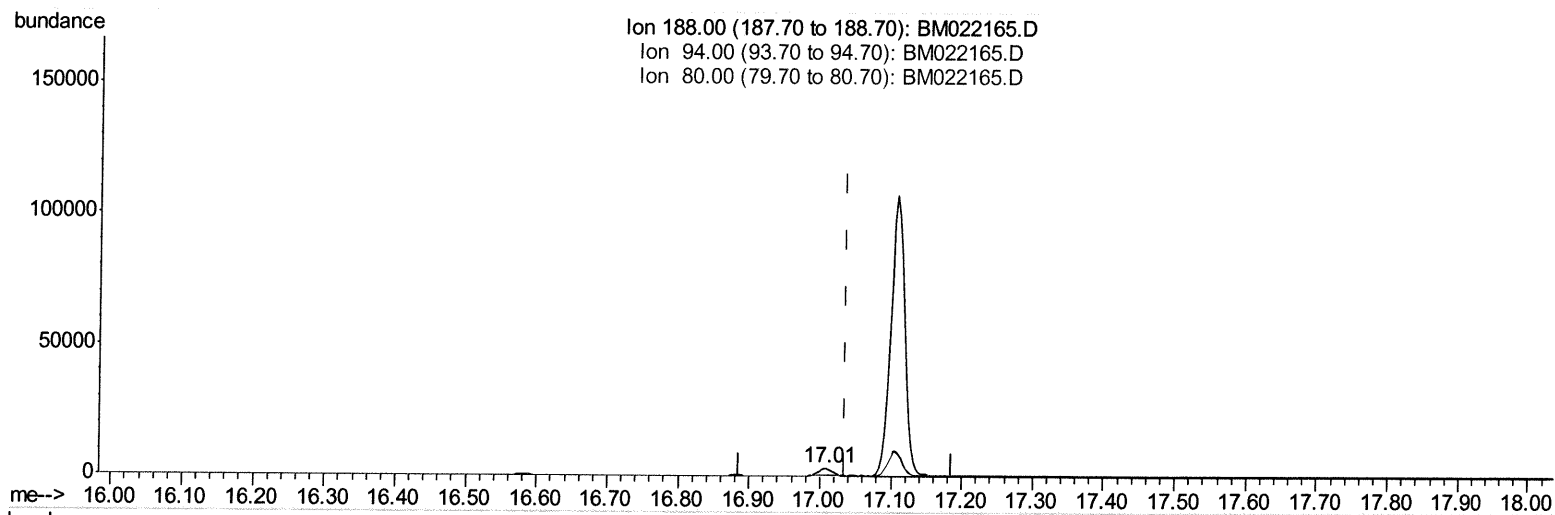
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

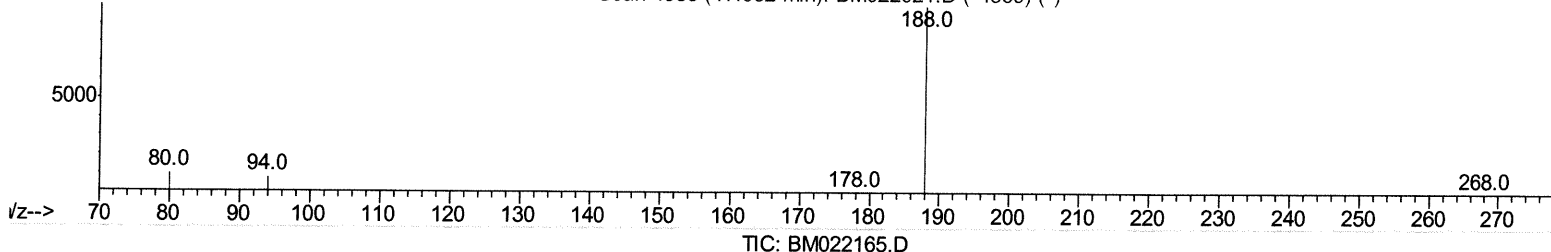
Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
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Scan 4583 (17.032 min): BM022021.D (-4569) (-)



TIC: BM022165.D

(10) Phenanthrene-d10 (I)

17.010min (-0.026) 0.40ng/ul m

Ju 8/20/19

response 4490

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	15.37#
80.00	11.40	16.36#
0.00	0.00	0.00

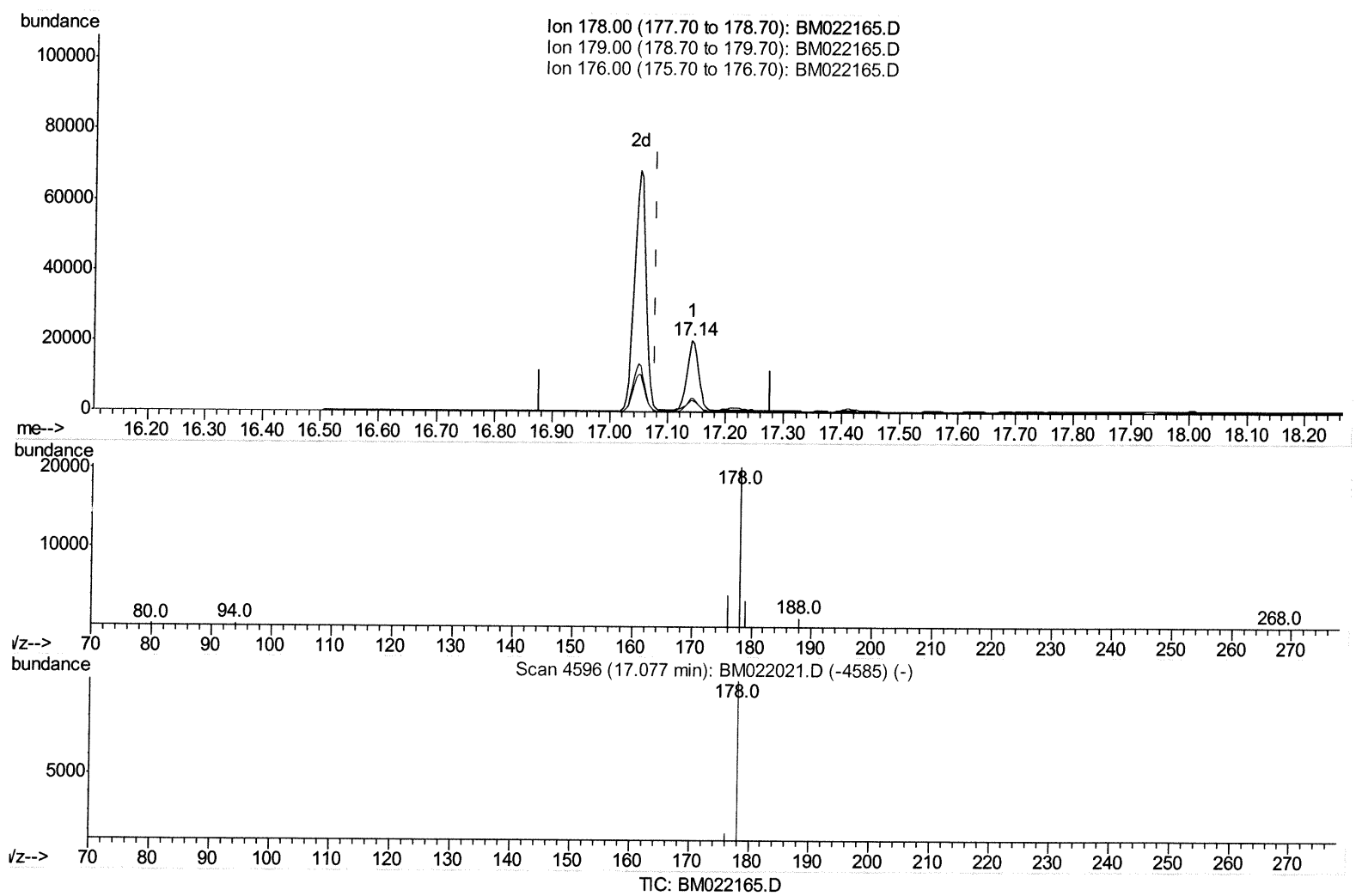
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.142min (+0.064) 2.22ng/ul

response 28997

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	16.98
176.00	21.00	19.89
0.00	0.00	0.00

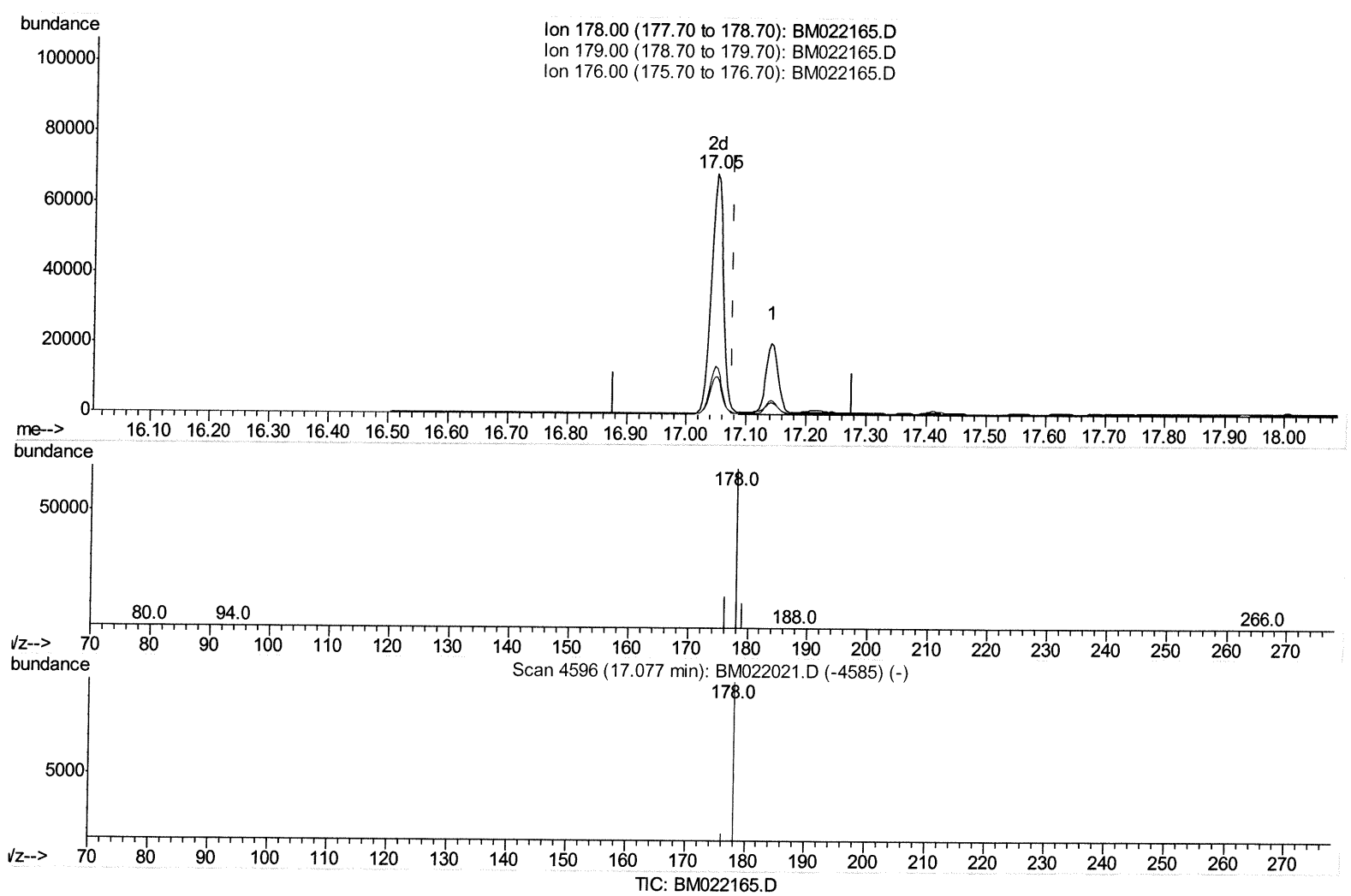
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.048min (-0.029) 7.40ng/ul m

JU
 8/20/19

response 96725

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.69
176.00	21.00	20.01
0.00	0.00	0.00

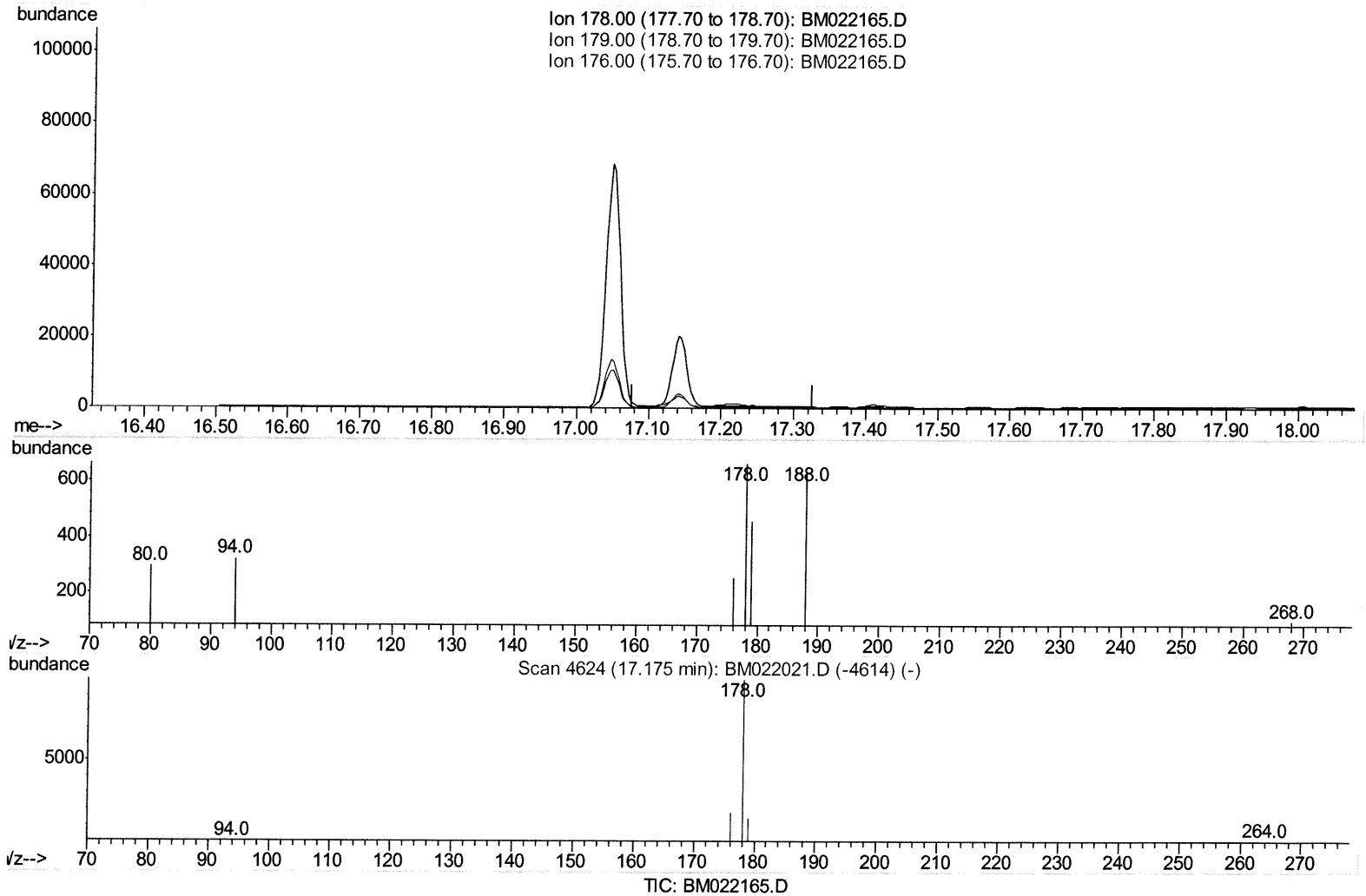
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022165.D
Acq On : 16 Aug 2019 04:19
Operator : HP/JU
Sample : K4183-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG4

Manual Integrations
APPROVED

mohammad
8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration



(13) Anthracene

17.178min (-17.178) 0.00ng/ul

response 0

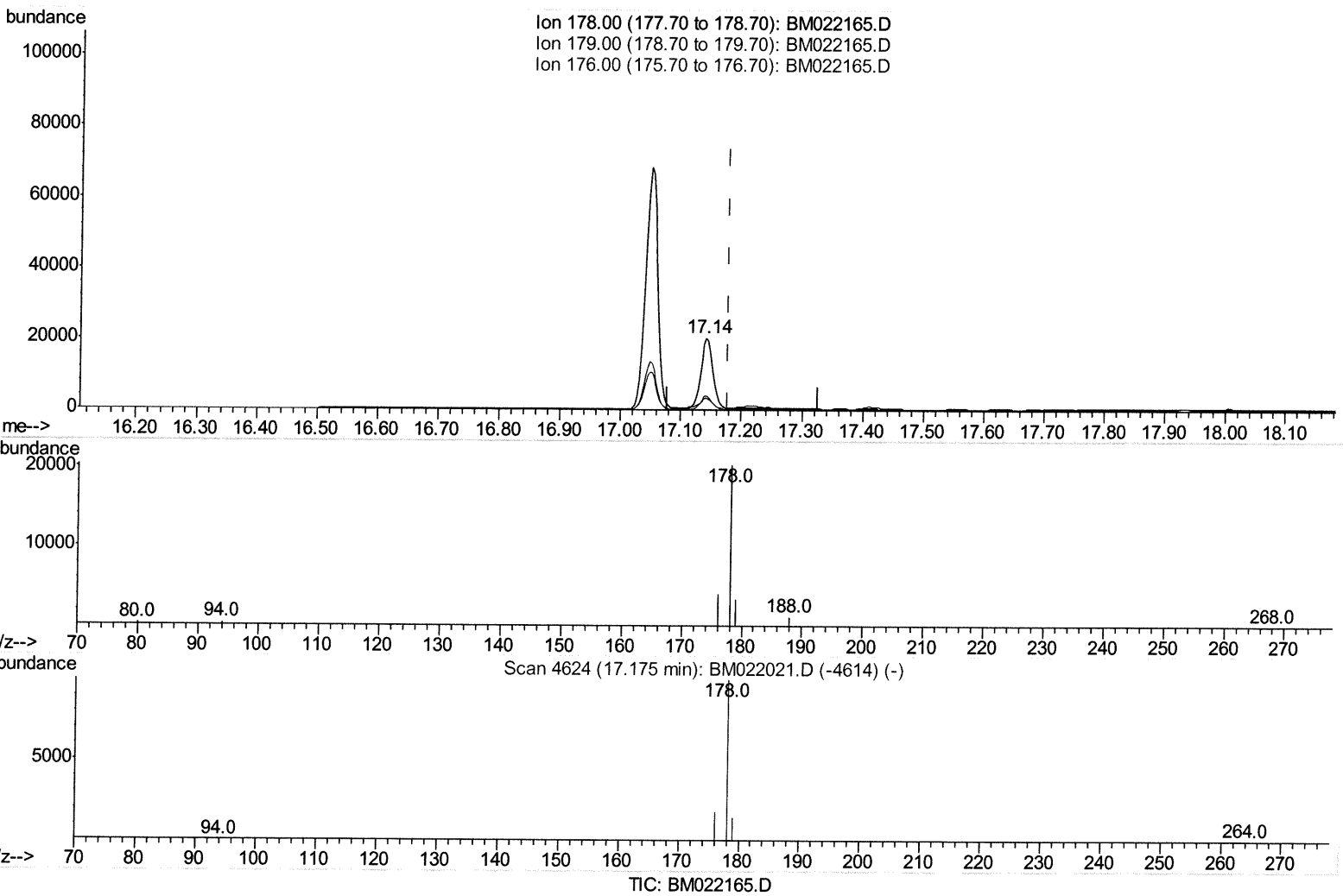
Ion	Exp%	Act%
178.00	100	0.00
179.00	19.40	0.00#
176.00	20.80	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED
 mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(13) Anthracene

17.142min (-0.036) 2.54ng/ul m *JU 08/20/19*

response 28315

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	16.98
176.00	20.80	19.89
0.00	0.00	0.00

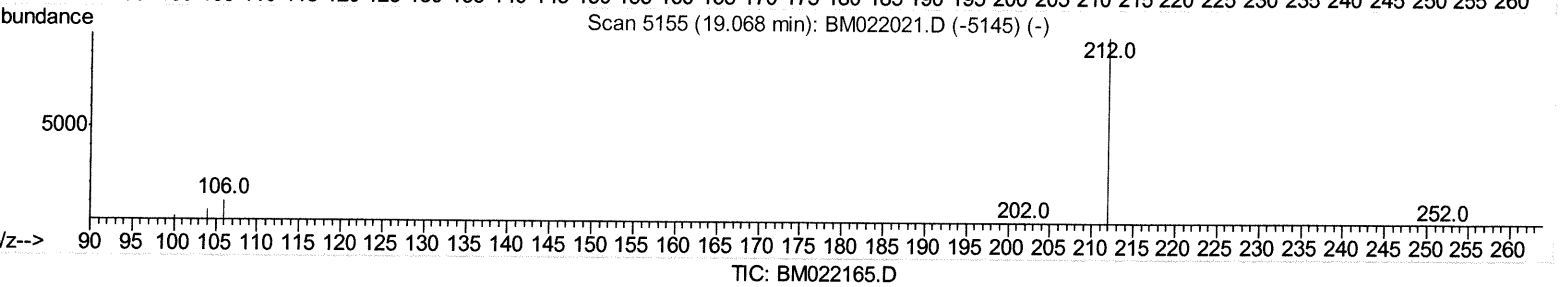
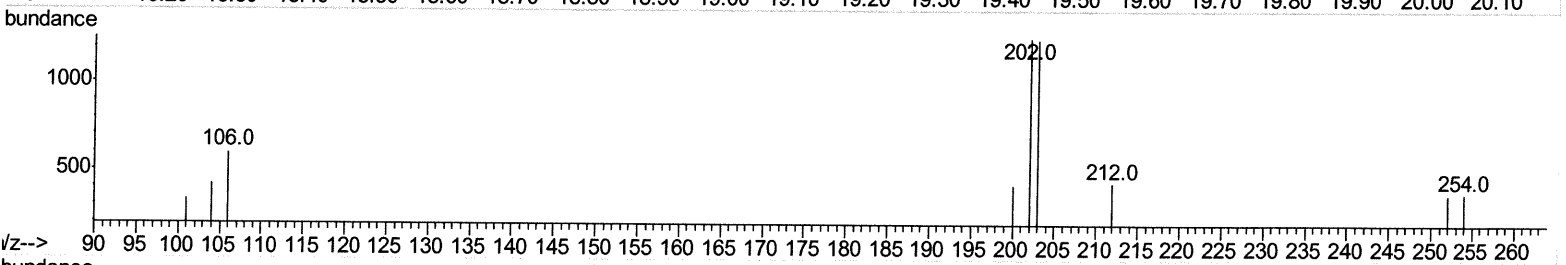
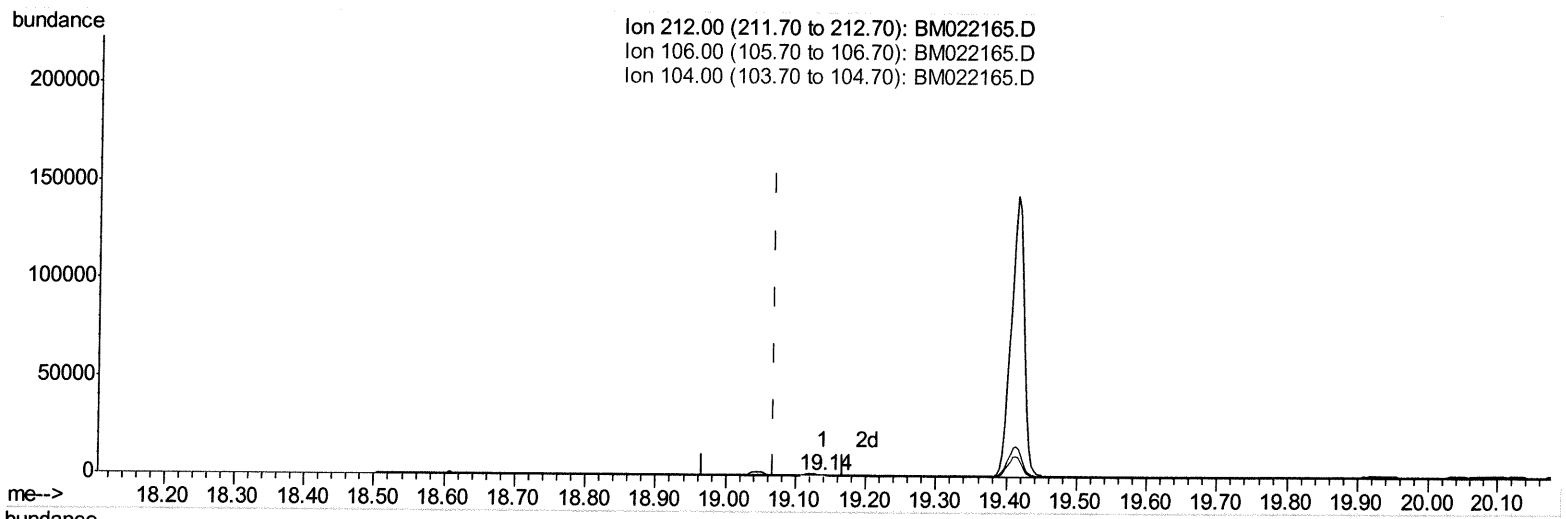
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.138min (+0.070) 0.02ng/ul

response 281

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	14.59#
104.00	6.00	0.00#
0.00	0.00	0.00

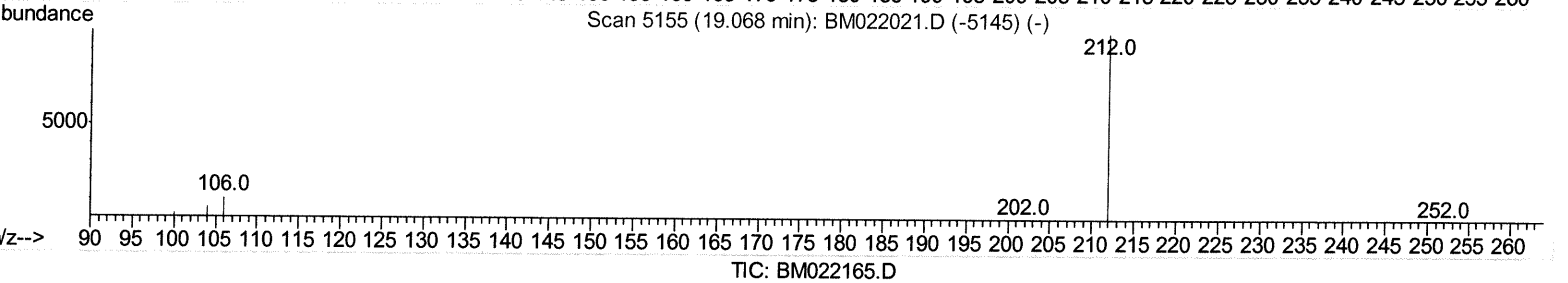
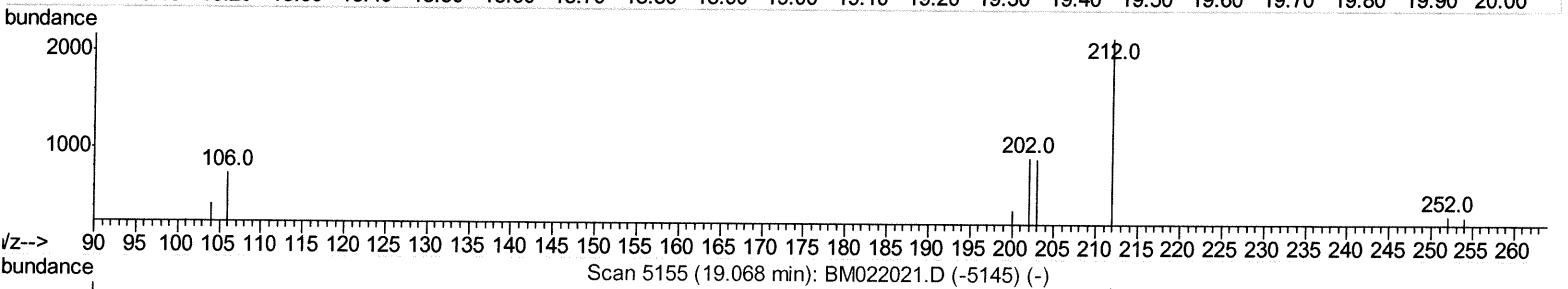
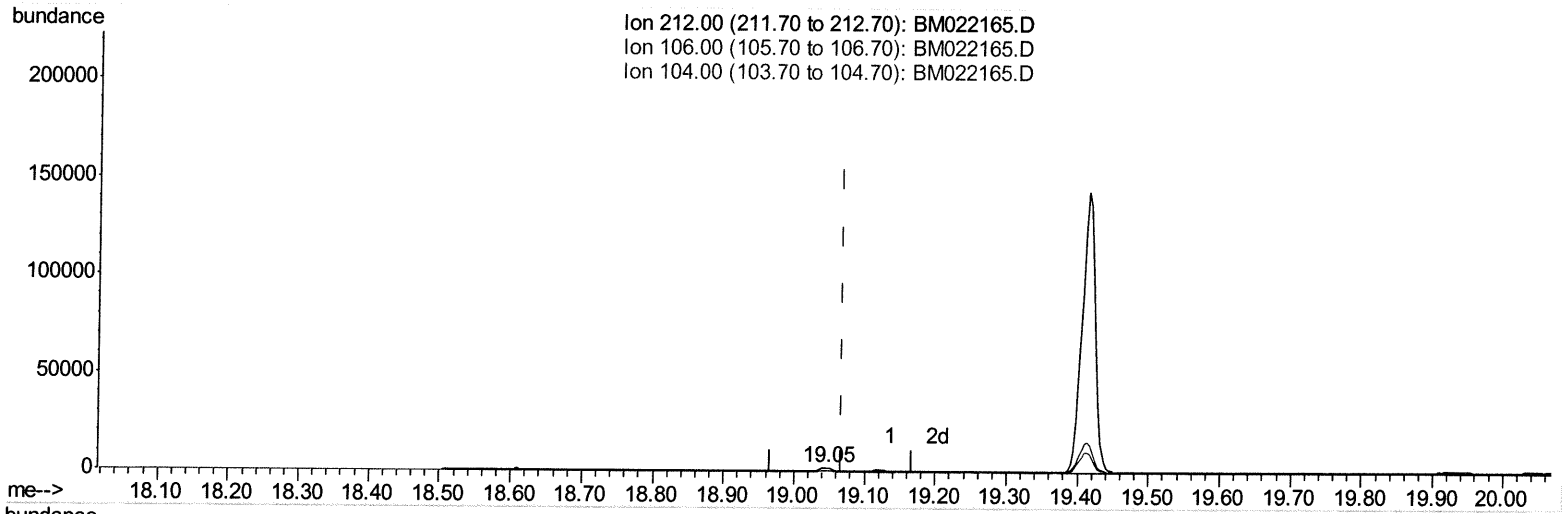
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.047min (-0.021) 0.16ng/ul m

JU 08/20/19

response 2439

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	1.68#
104.00	6.00	0.00#
0.00	0.00	0.00

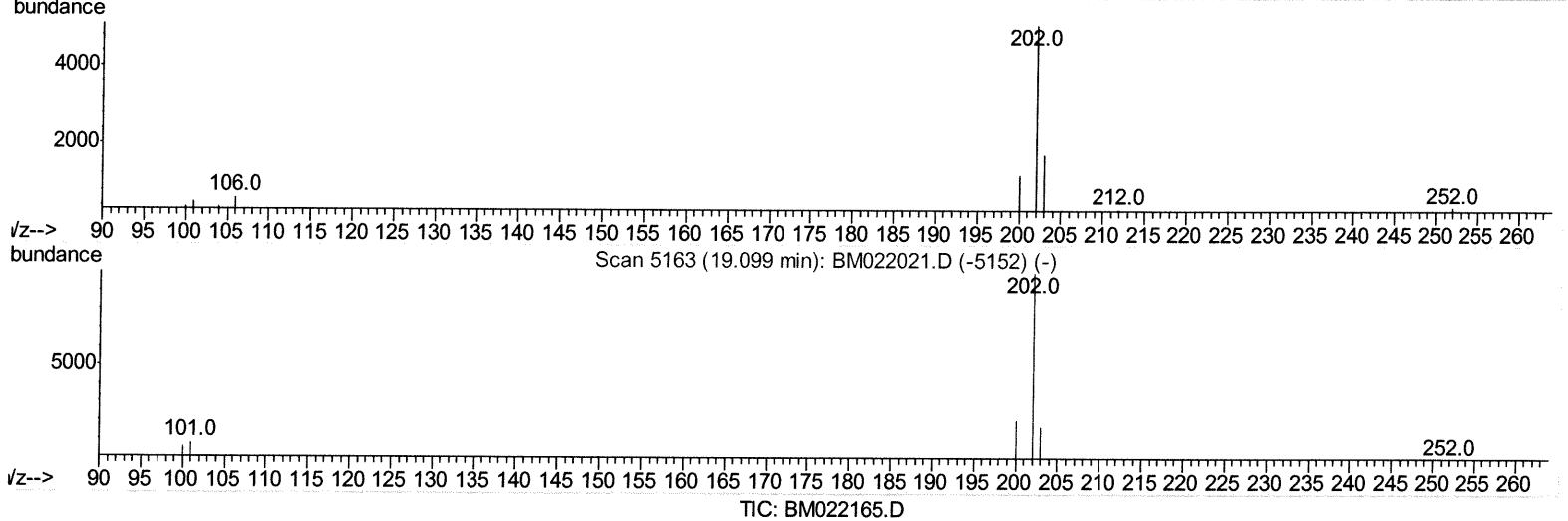
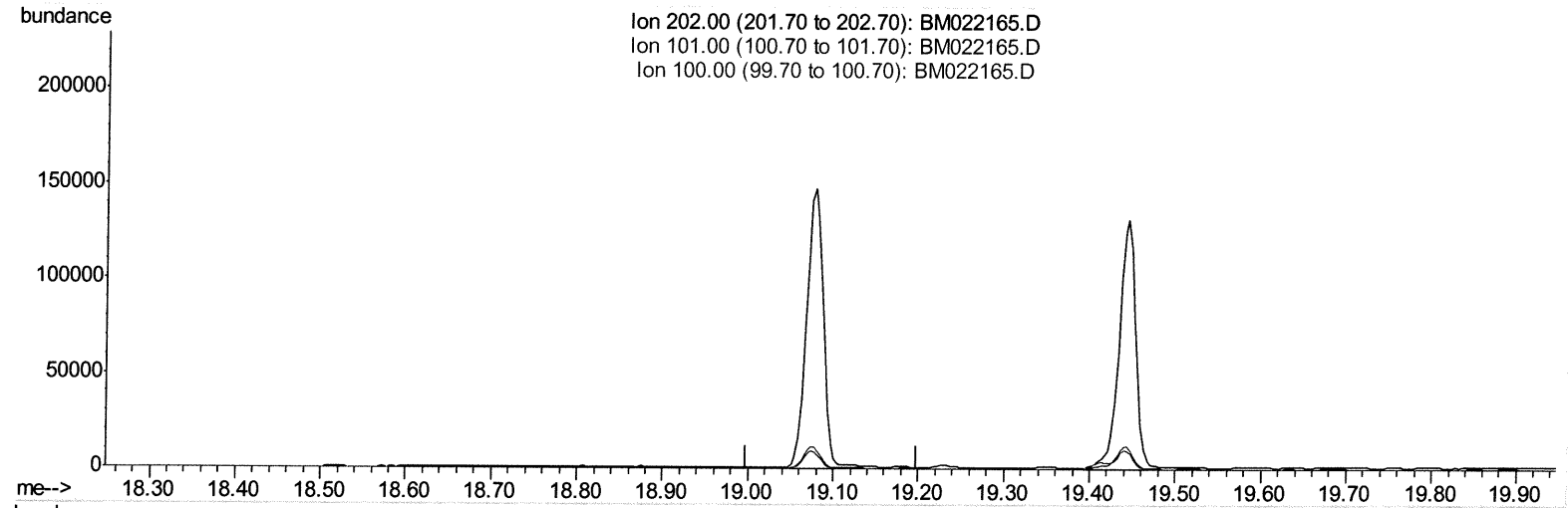
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022165.D
Acq On : 16 Aug 2019 04:19
Operator : HP/JU
Sample : K4183-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG4

Manual Integrations
APPROVED

mohammad
8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.098min (-19.098) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.20	0.00
100.00	8.10	0.00
0.00	0.00	0.00

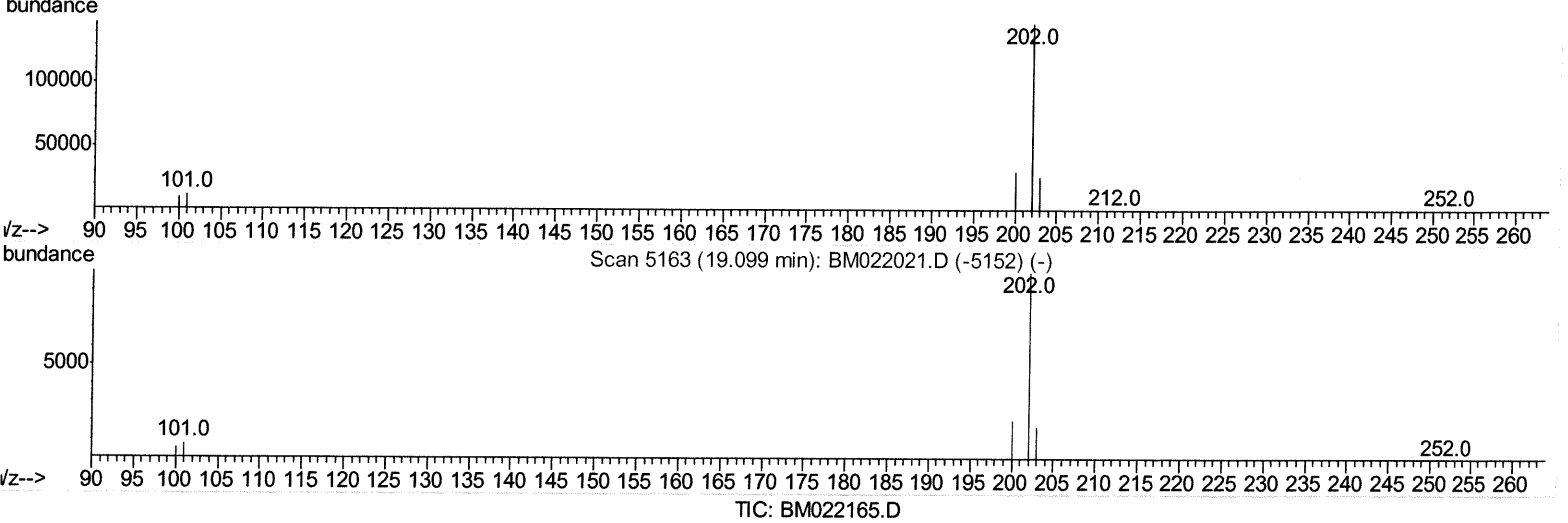
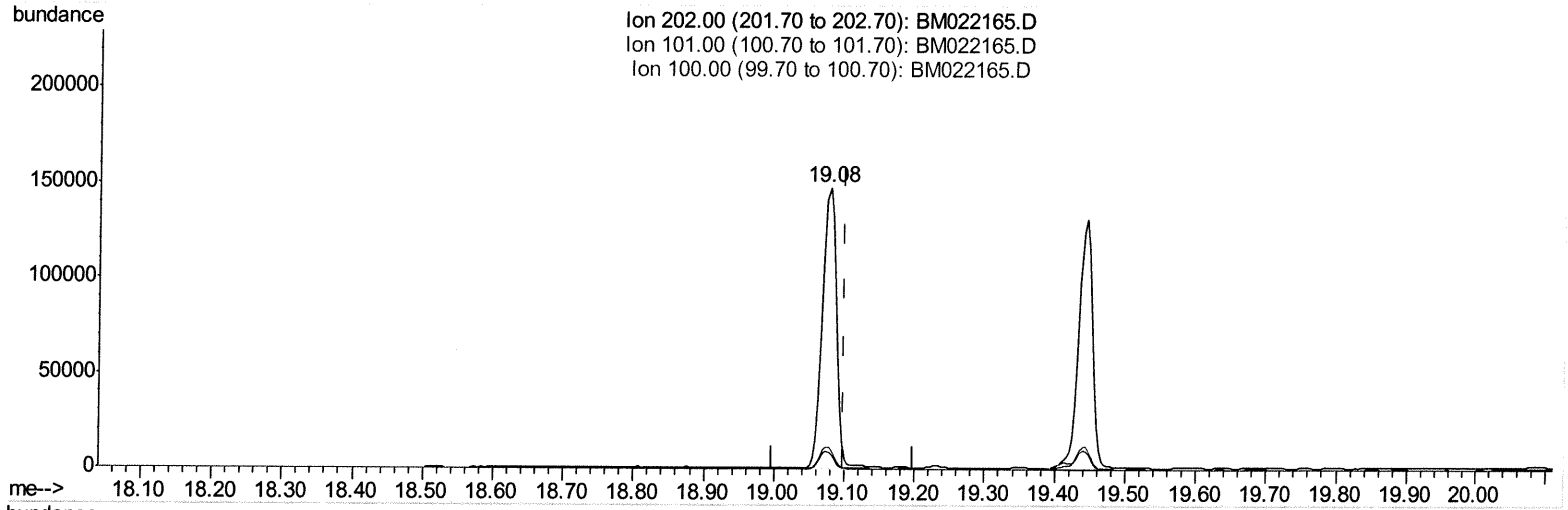
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.077min (-0.021) 11.43ng/ul m *JU 08/20/19*

response 199949

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.84
100.00	8.10	6.09
0.00	0.00	0.00

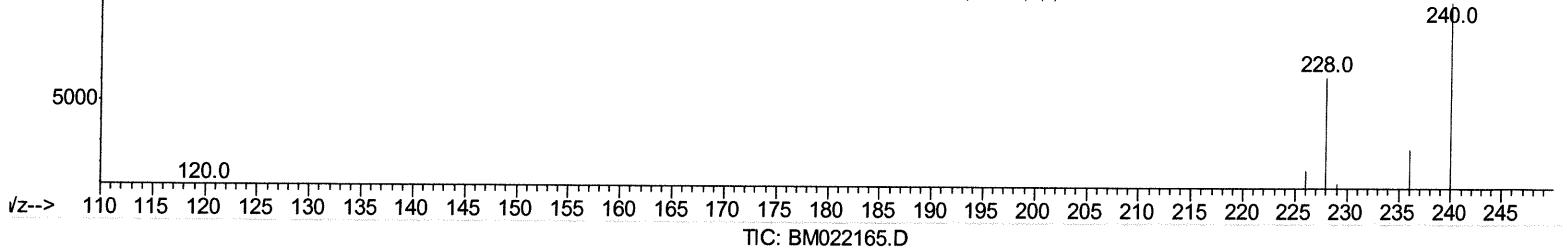
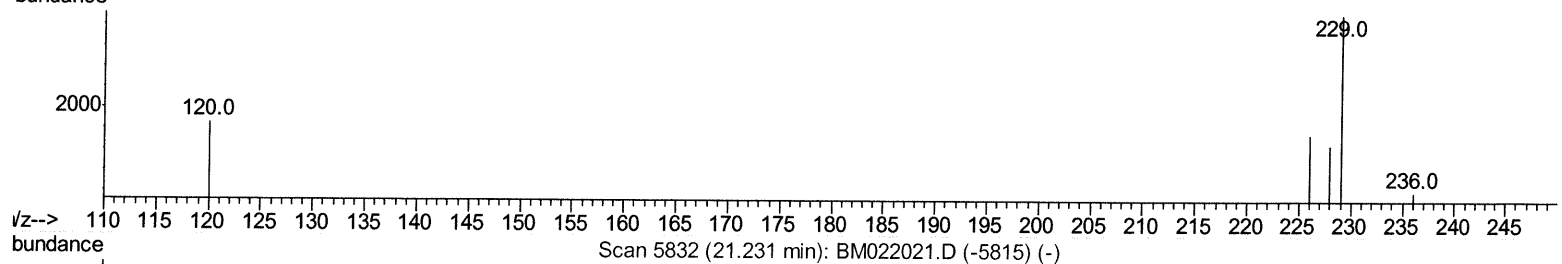
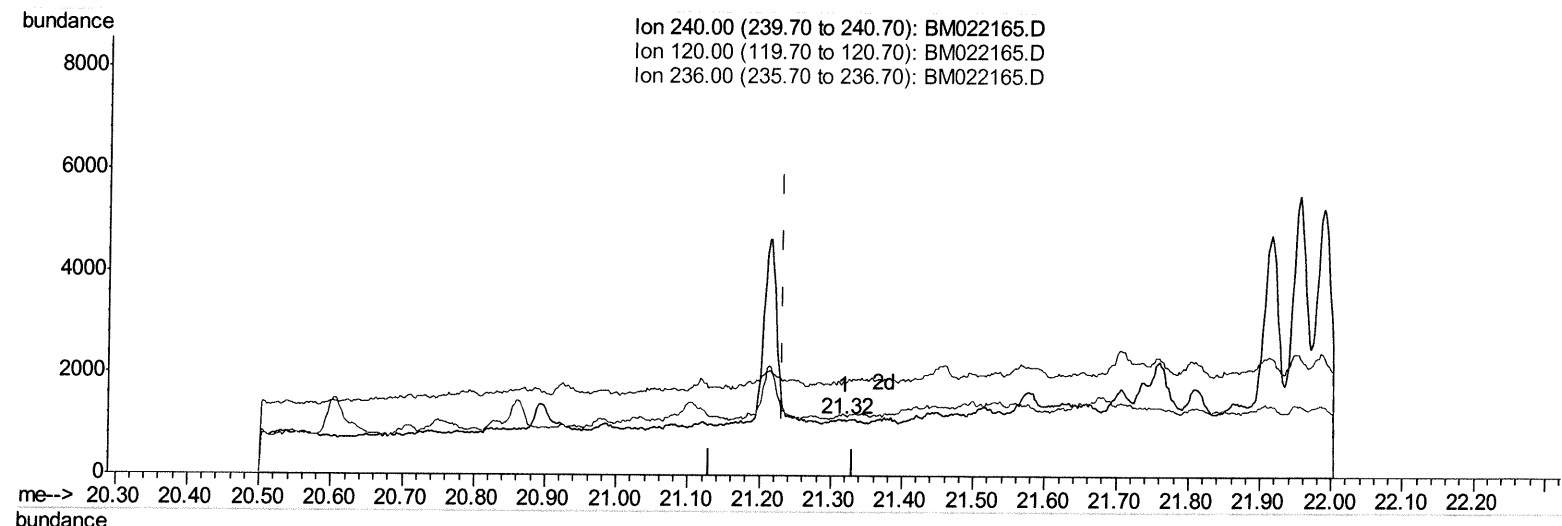
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.319min (+0.088) 0.40ng/ul

response 95

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	167.00#
236.00	32.30	108.18#
0.00	0.00	0.00

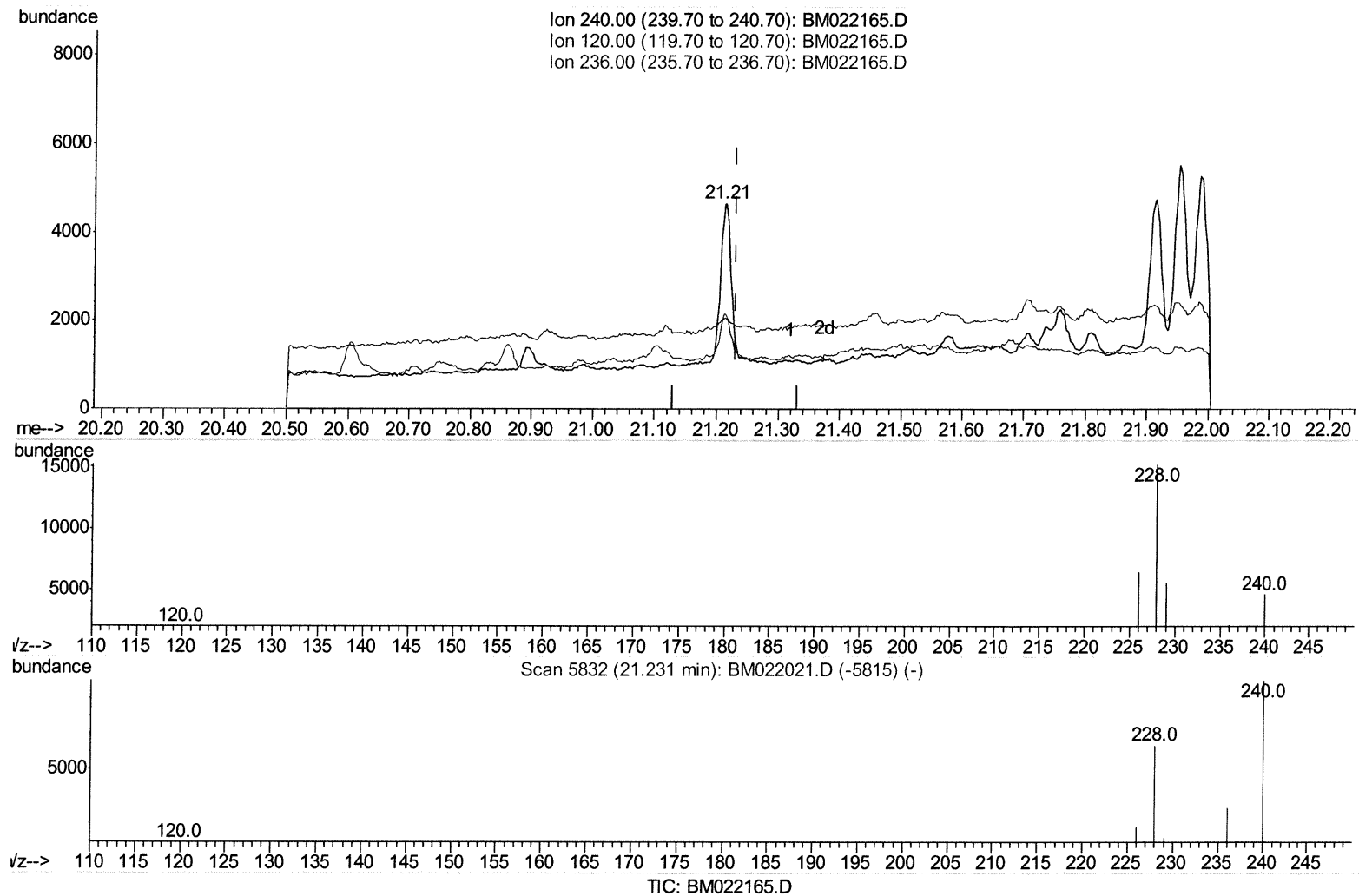
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:41:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.212min (-0.019) 0.40ng/ul m

Ju
08/20/19

response 4467

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	44.09#
236.00	32.30	46.48#
0.00	0.00	0.00

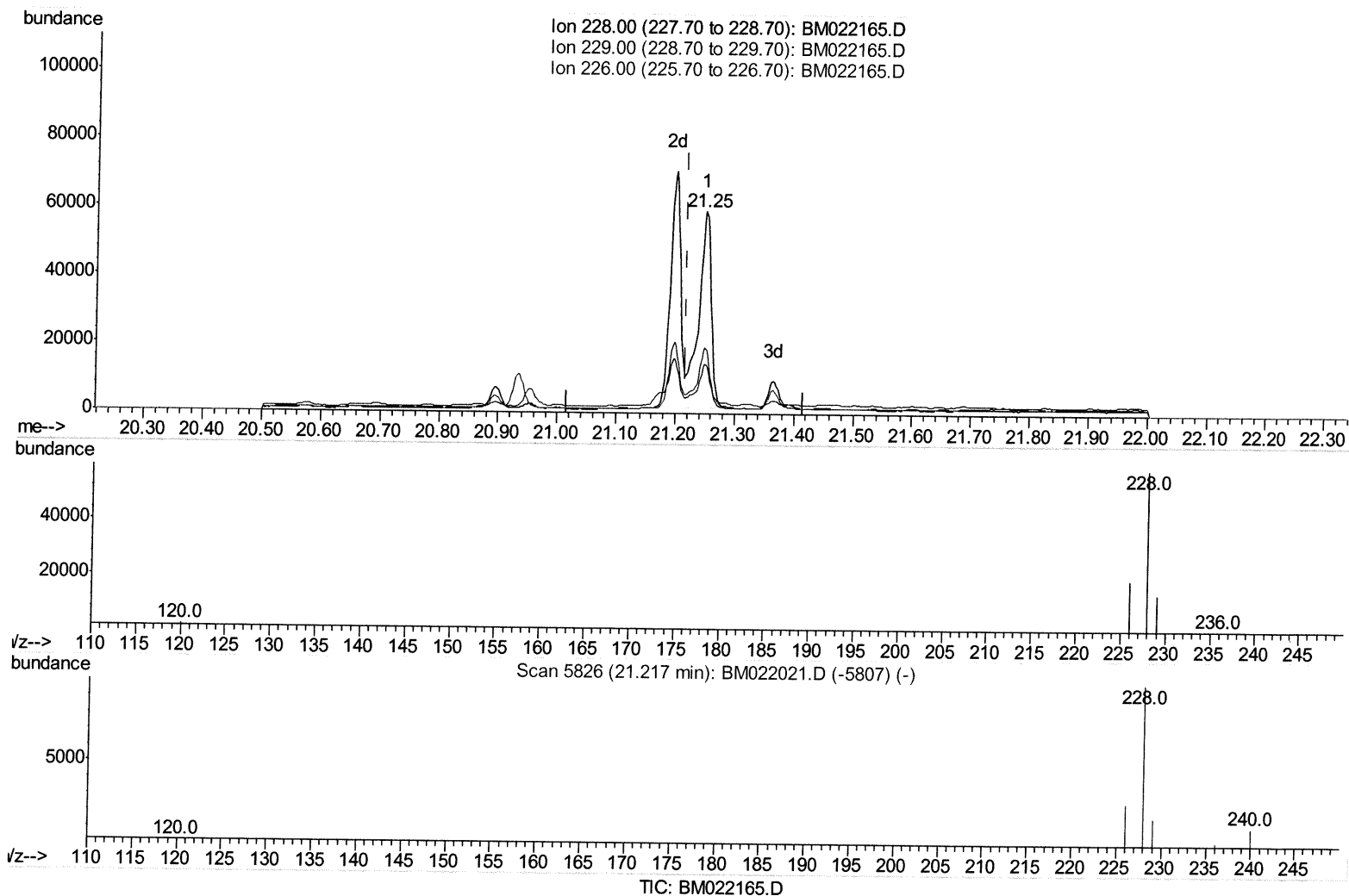
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:43:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.249min (+0.032) 5.37ng/ul

response 85772

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	24.32
226.00	28.30	32.55
0.00	0.00	0.00

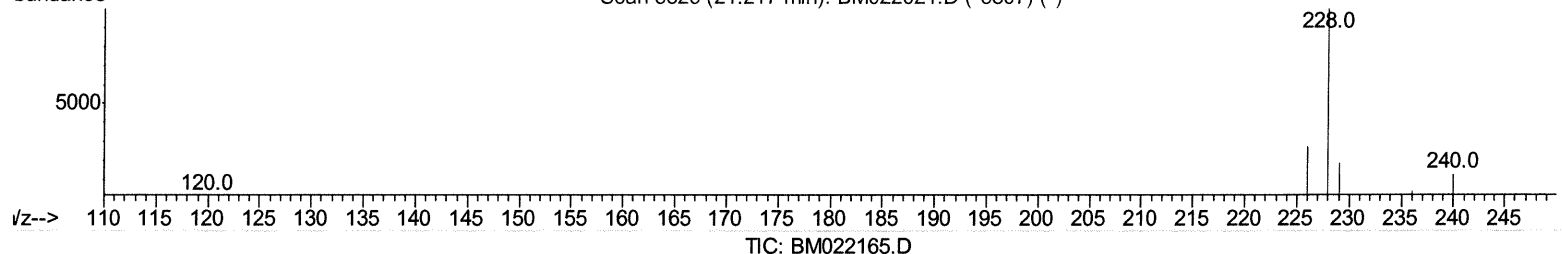
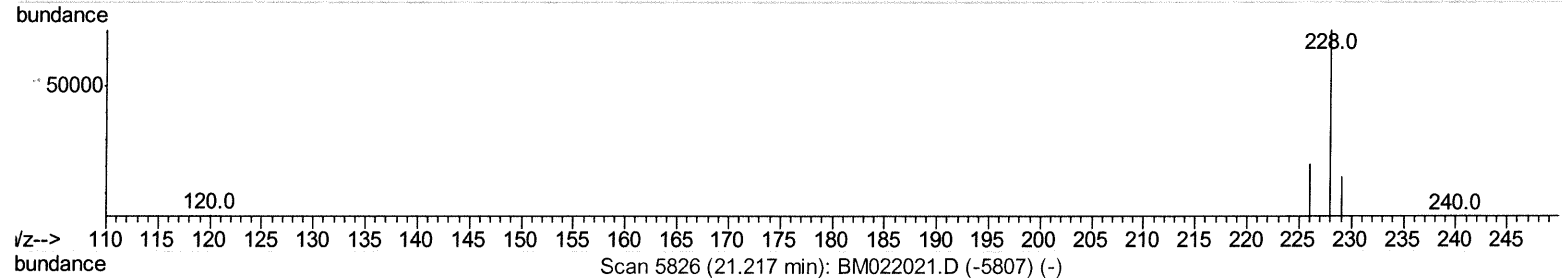
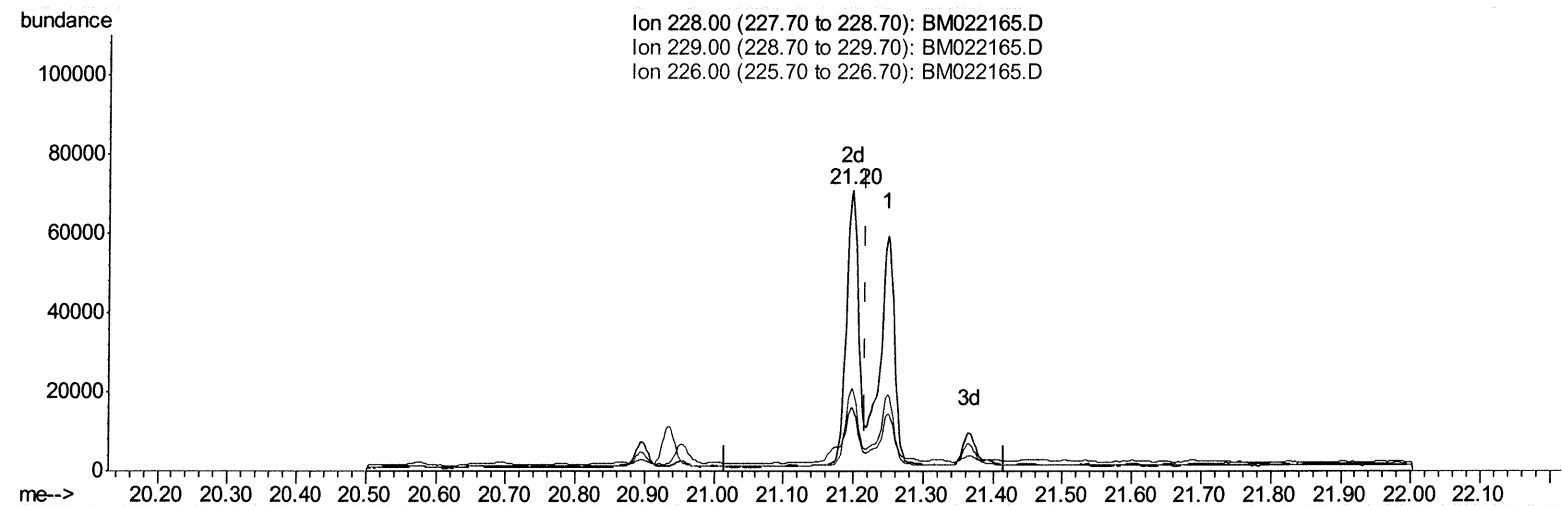
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:43:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.198min (-0.019) 5.37ng/ul m *Ju 08/20/19*

response 85879

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	22.96
226.00	28.30	29.51
0.00	0.00	0.00

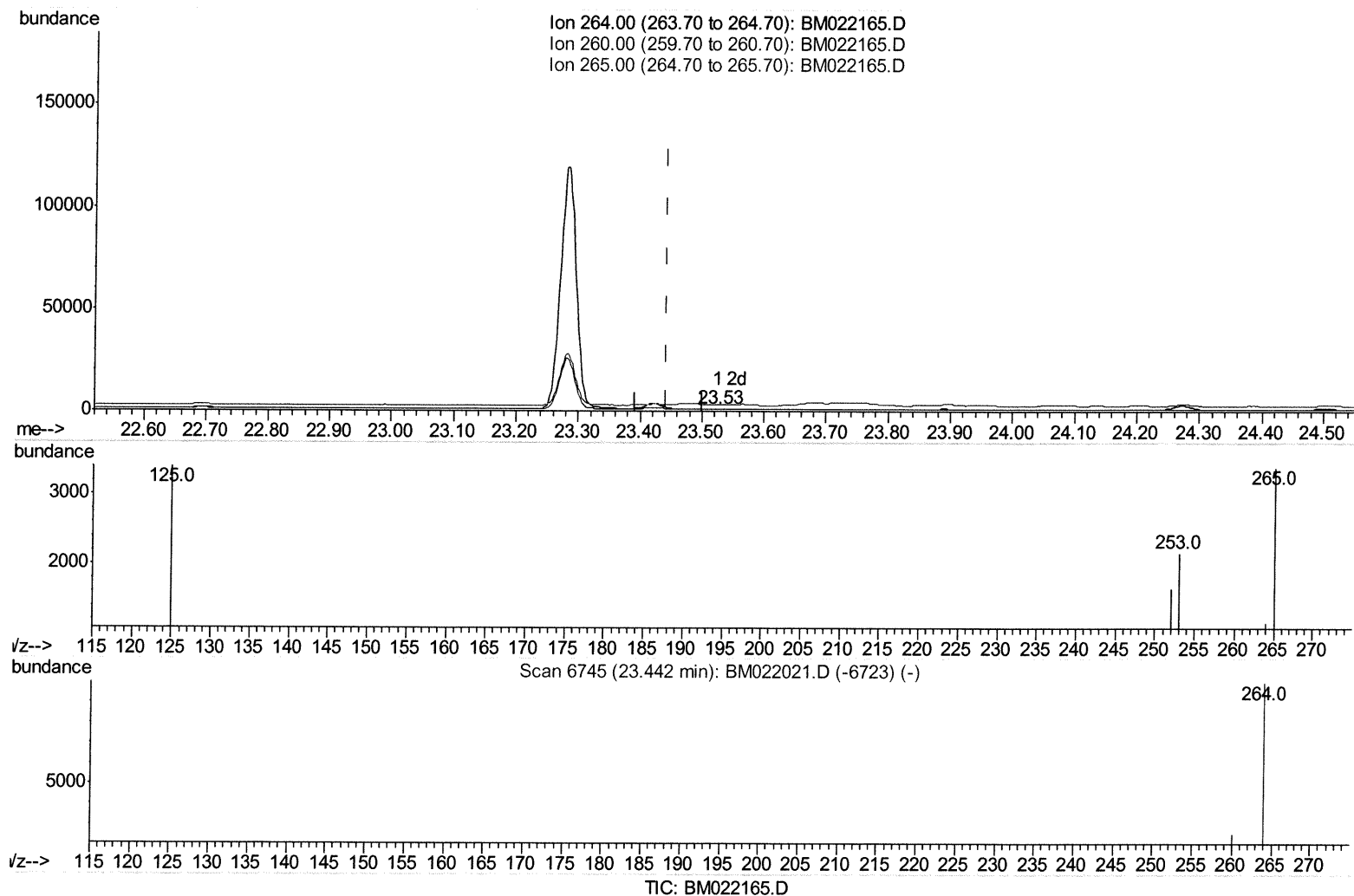
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:43:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.525min (+0.083) 0.40ng/ul

response 75

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	92.62#
265.00	117.00	290.73#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

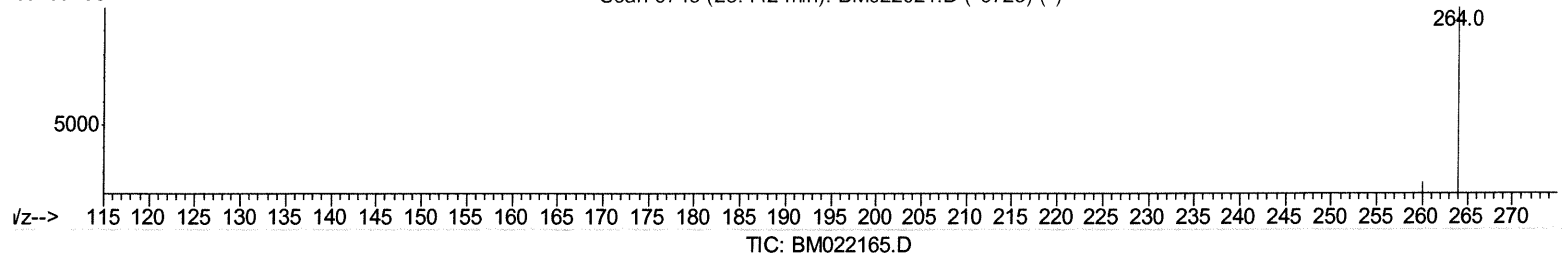
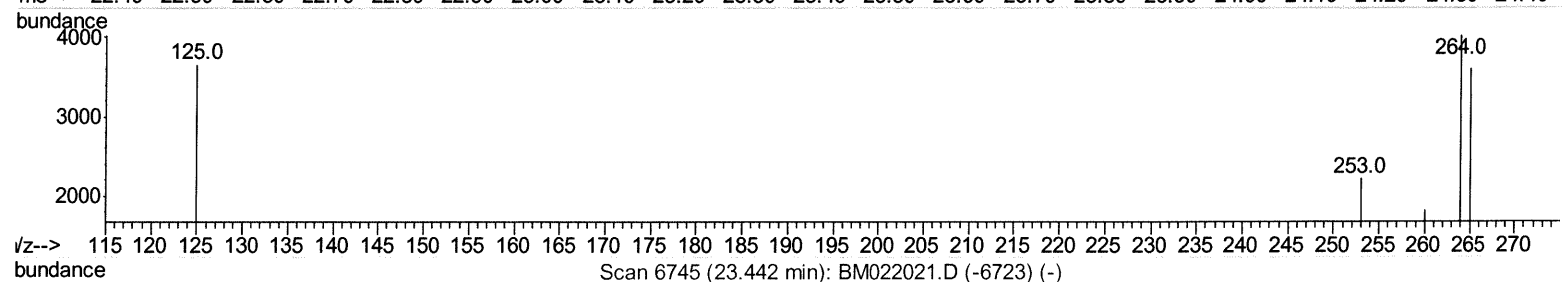
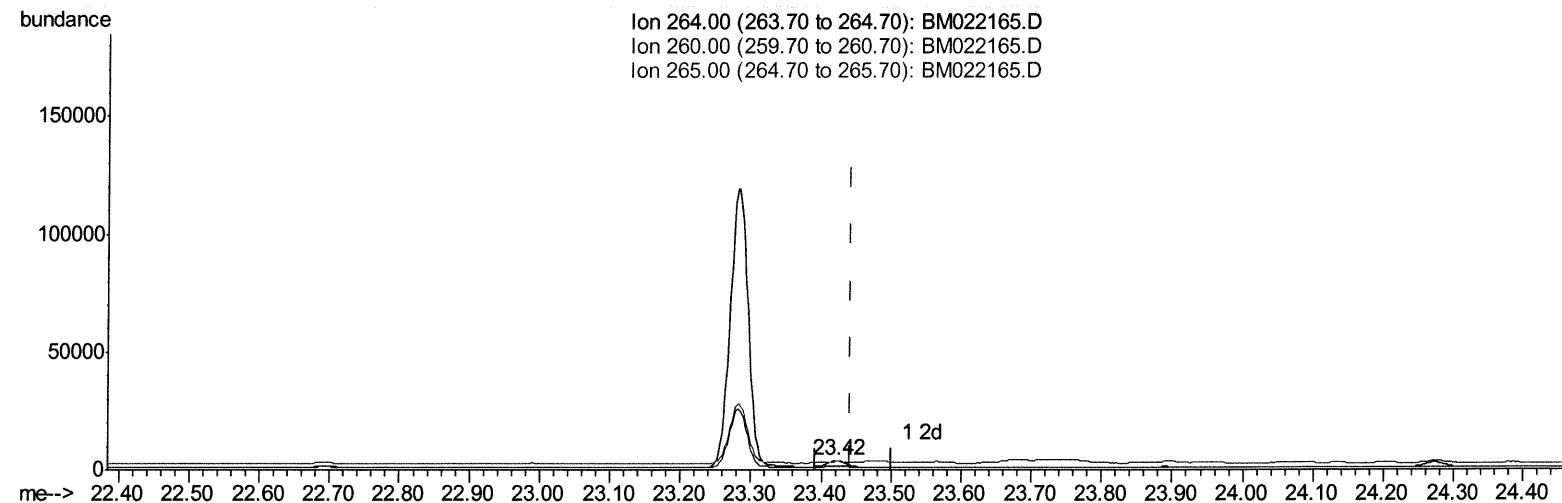
Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:43:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
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Ion 264.00 (263.70 to 264.70): BM022165.D
 Ion 260.00 (259.70 to 260.70): BM022165.D
 Ion 265.00 (264.70 to 265.70): BM022165.D



(20) Perylene-d12 (I)

23.421min (-0.021) 0.40ng/ul m *JU 08/20/19*

response 4895

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	45.10#
265.00	117.00	89.51#
0.00	0.00	0.00

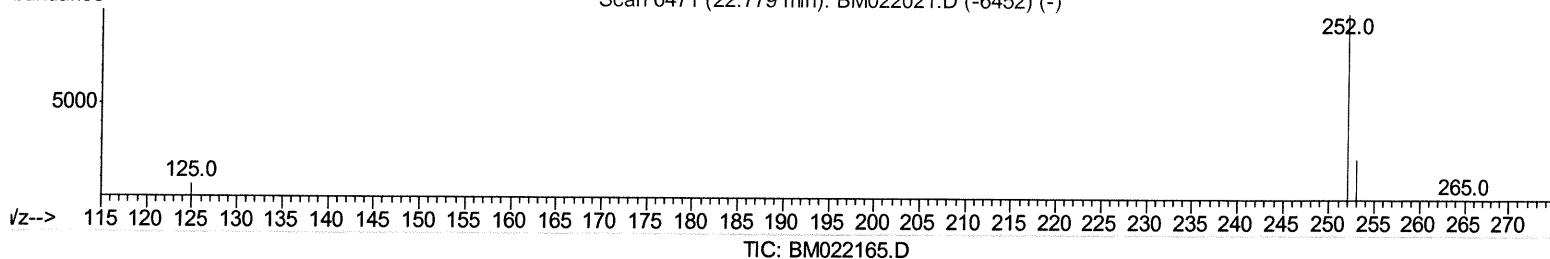
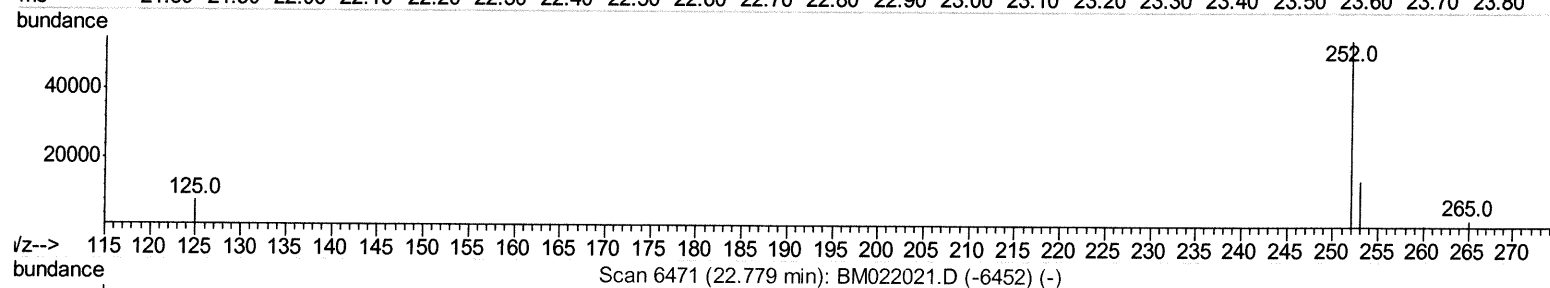
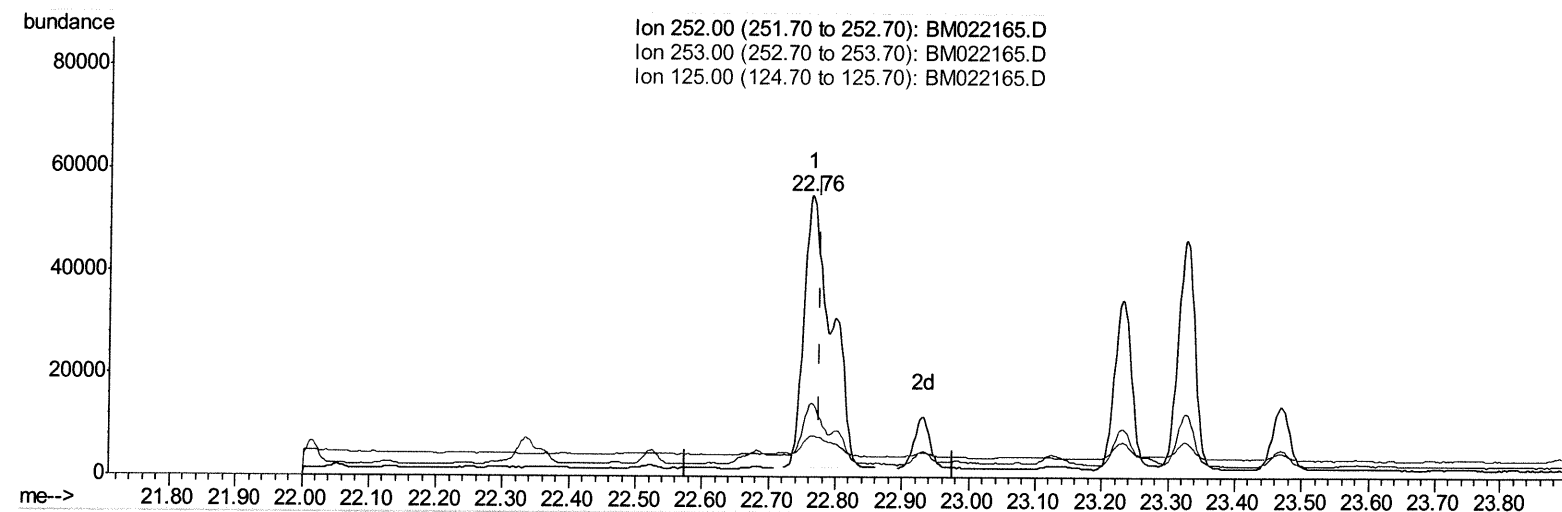
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.764min (-0.012) 9.32ng/ul

response 153888

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.25
125.00	15.50	14.47
0.00	0.00	0.00

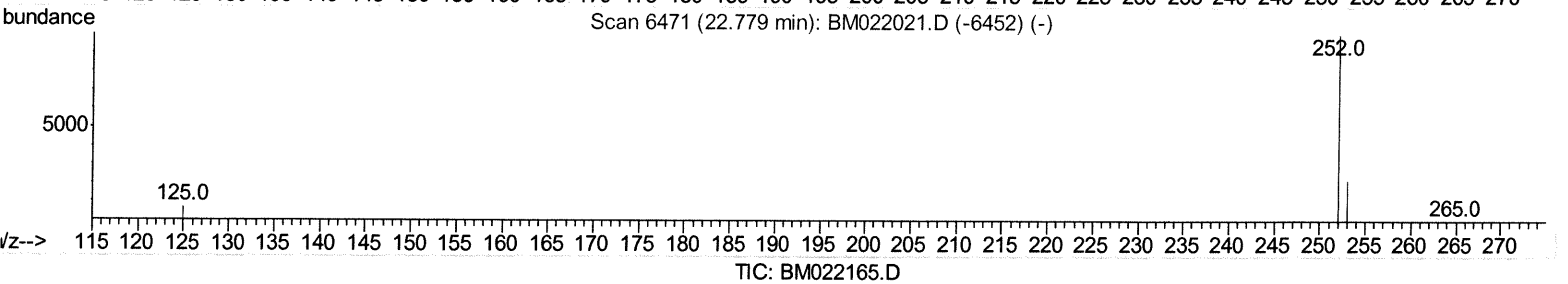
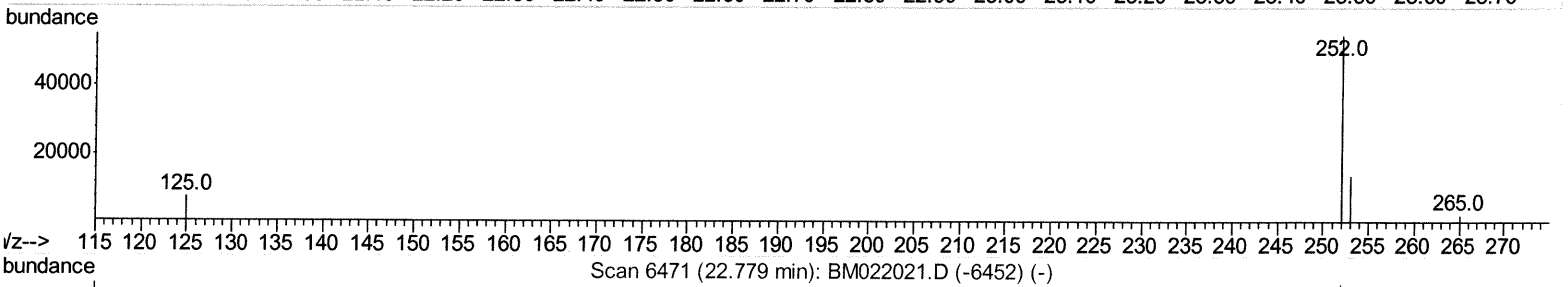
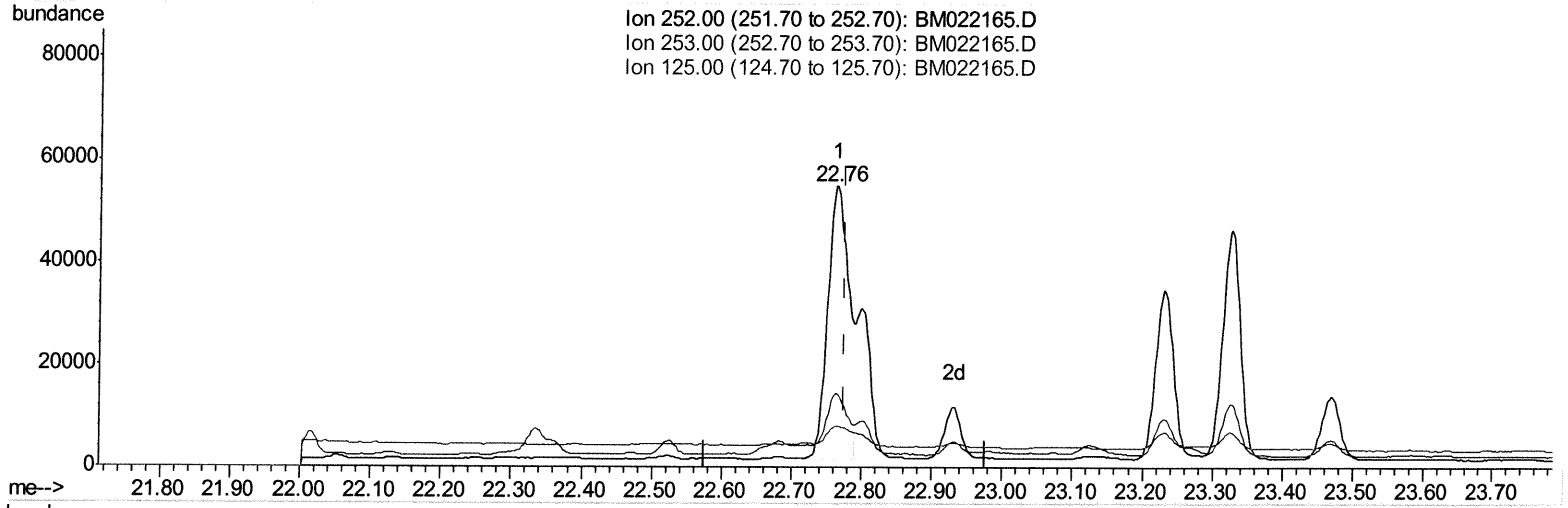
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022165.D
Acq On : 16 Aug 2019 04:19
Operator : HP/JU
Sample : K4183-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG4

Manual Integrations
APPROVED

mohammad
8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.764min (-0.012) 6.72ng/ul m

JU 08/20/19

response 110855

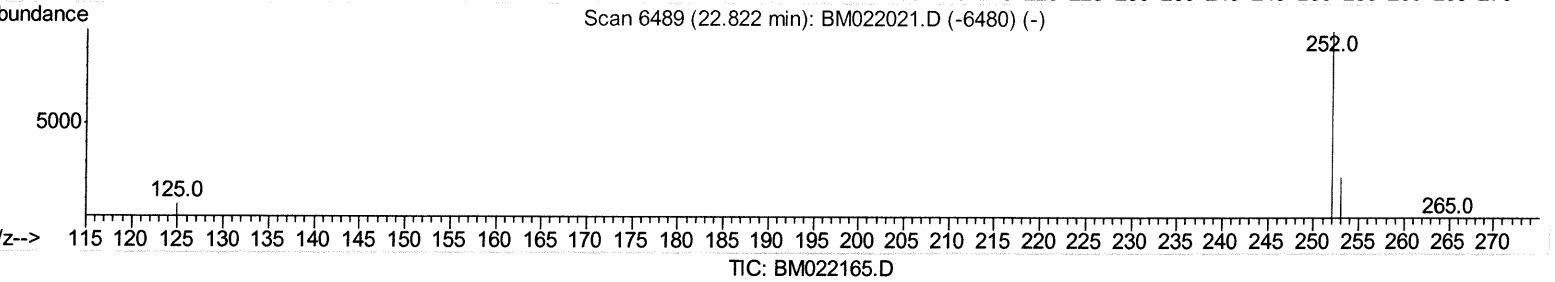
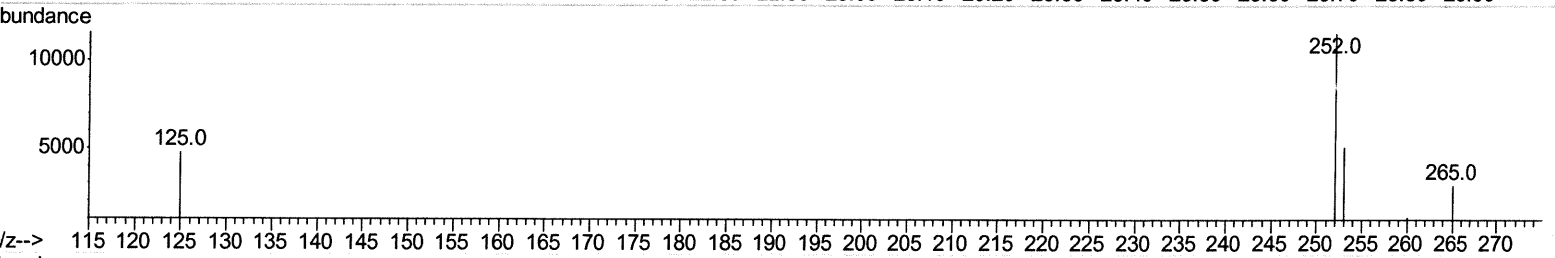
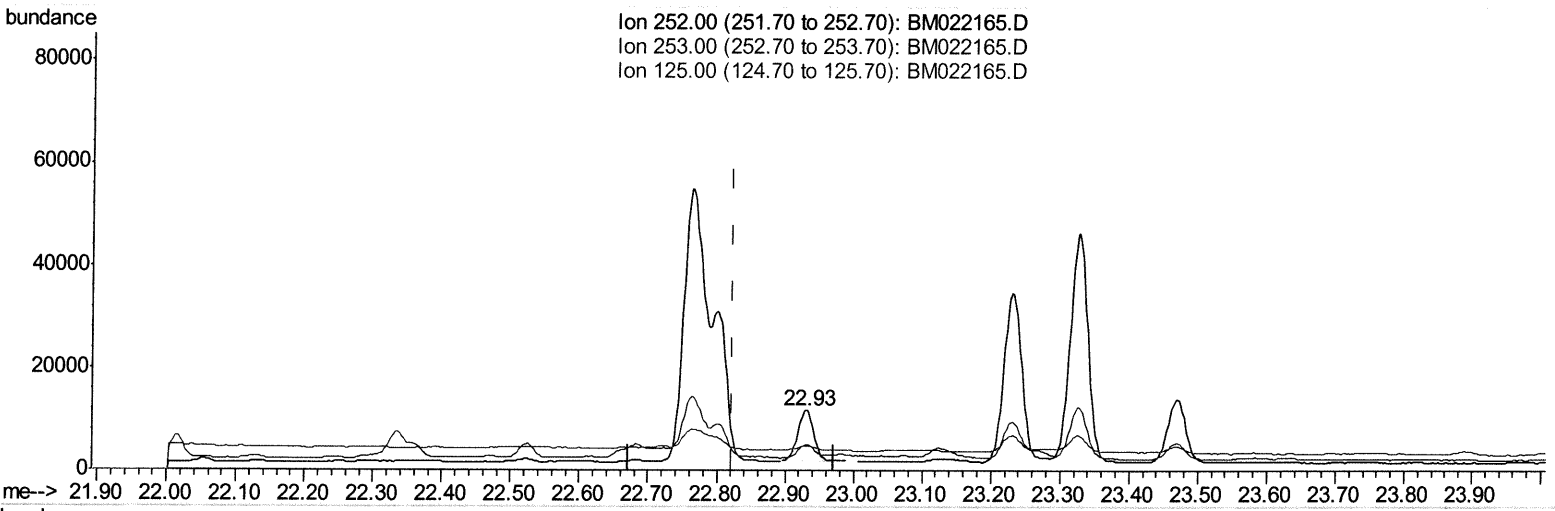
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.25
125.00	15.50	14.47
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED
 mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene
 22.932min (+0.109) 0.90ng/ul
 response 16849

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	43.98#
125.00	15.20	41.21#
0.00	0.00	0.00

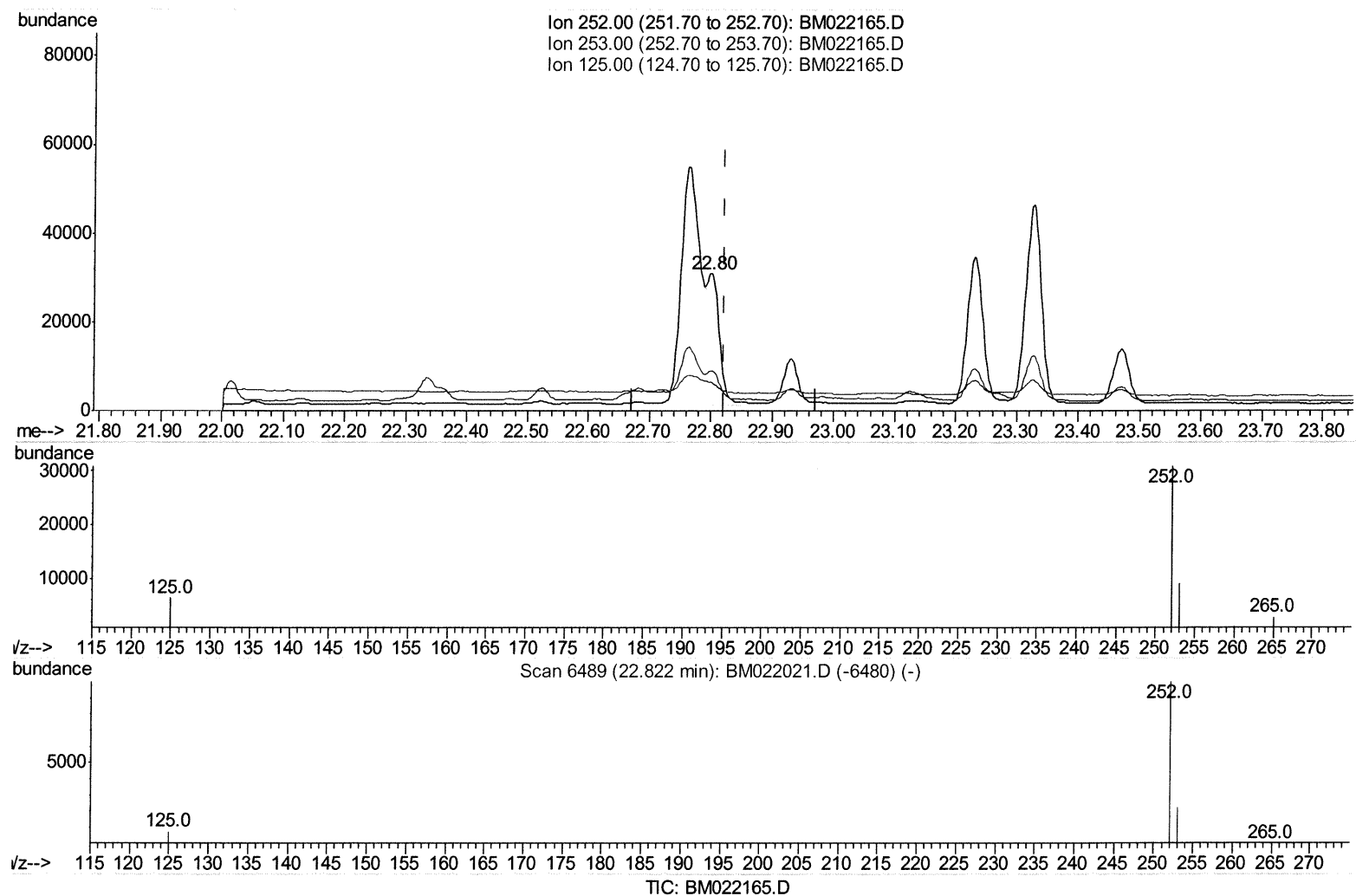
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.801min (-0.021) 2.22ng/ul m

JU
 08/20/19

response 41494

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	29.34
125.00	15.20	20.71#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022165.D
Acq On : 16 Aug 2019 04:19
Operator : HP/JU
Sample : K4183-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

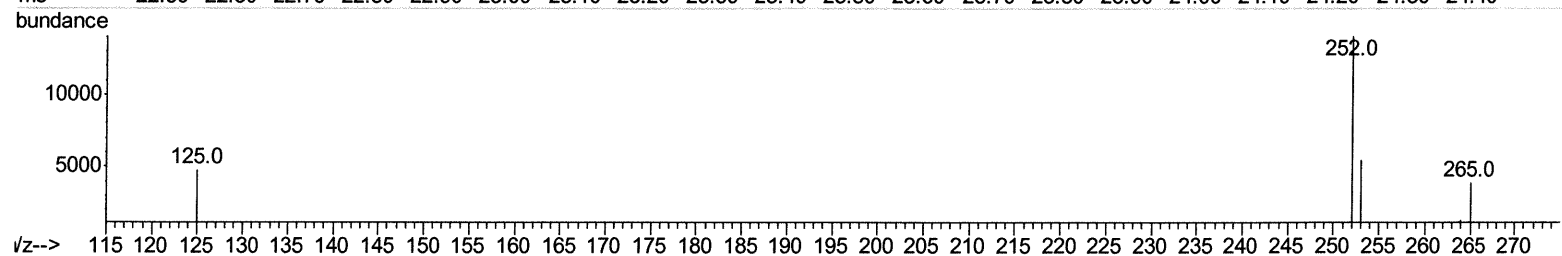
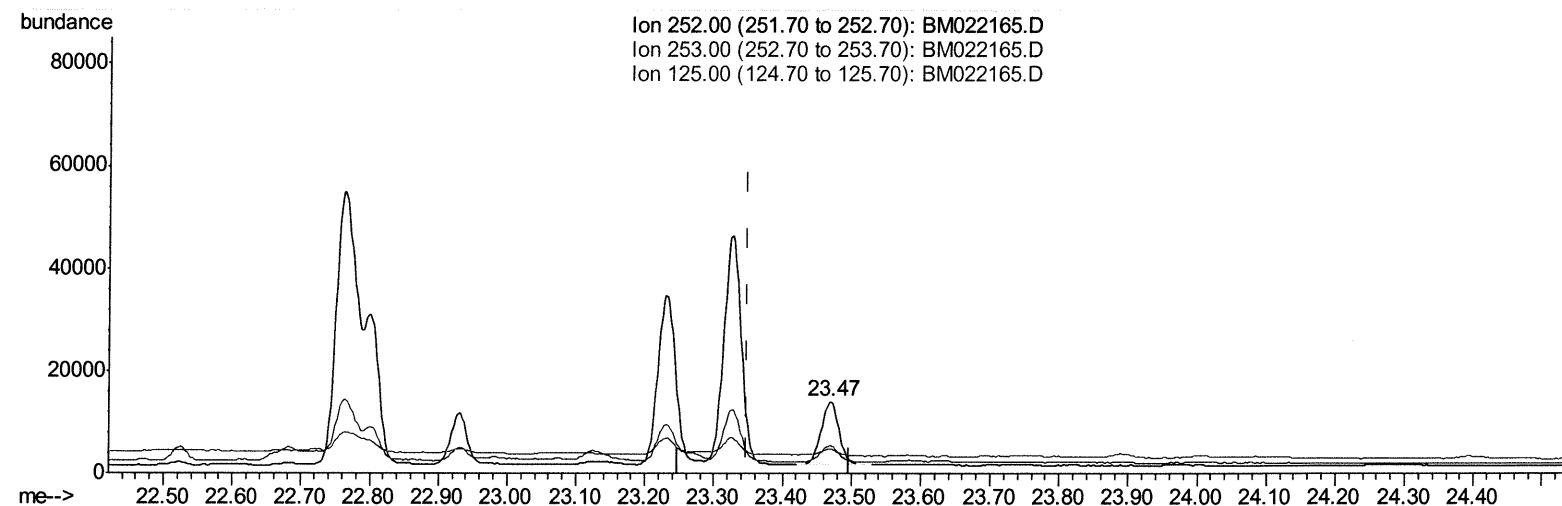
Instrument :
BNA_M
ClientSampleId :
C0AG4

Manual Integrations
APPROVED

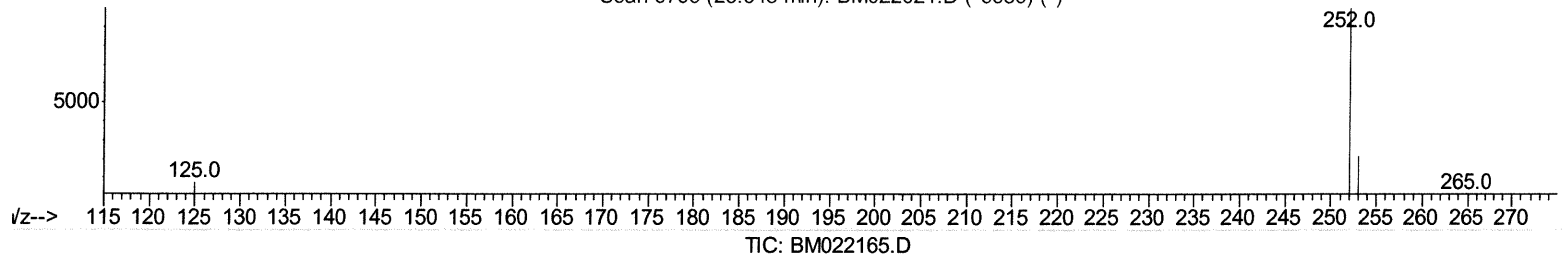
mohammad
8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration

Ion 252.00 (251.70 to 252.70): BM022165.D
Ion 253.00 (252.70 to 253.70): BM022165.D
Ion 125.00 (124.70 to 125.70): BM022165.D



Scan 6706 (23.348 min): BM022021.D (-6686) (-)



TIC: BM022165.D

(23) Benzo(a)pyrene (C)

23.470min (+0.122) 1.35ng/ul

response 22661

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	38.58
125.00	18.20	34.02#
0.00	0.00	0.00

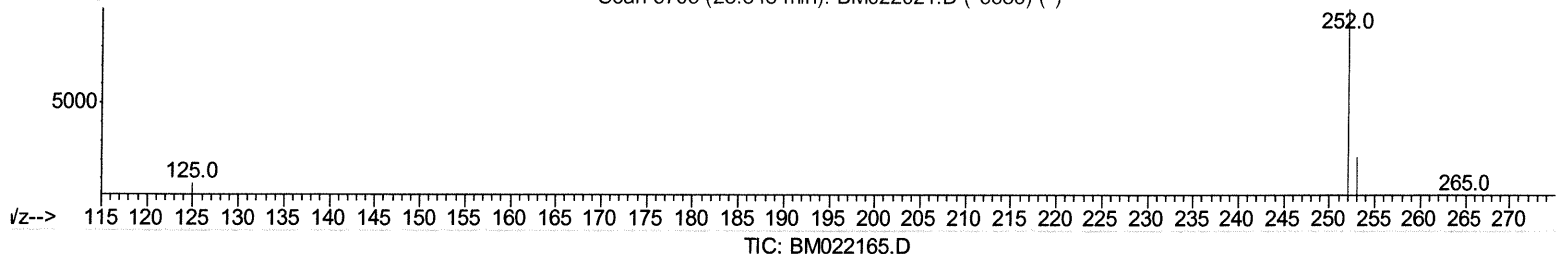
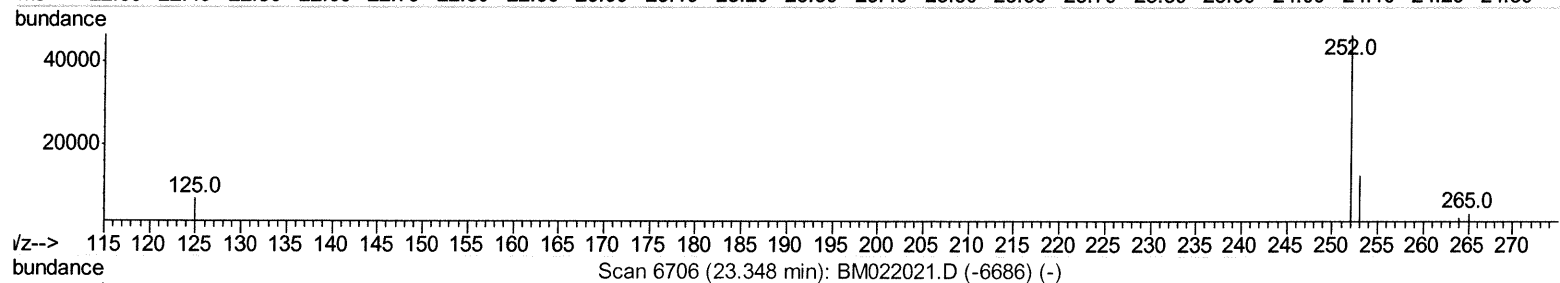
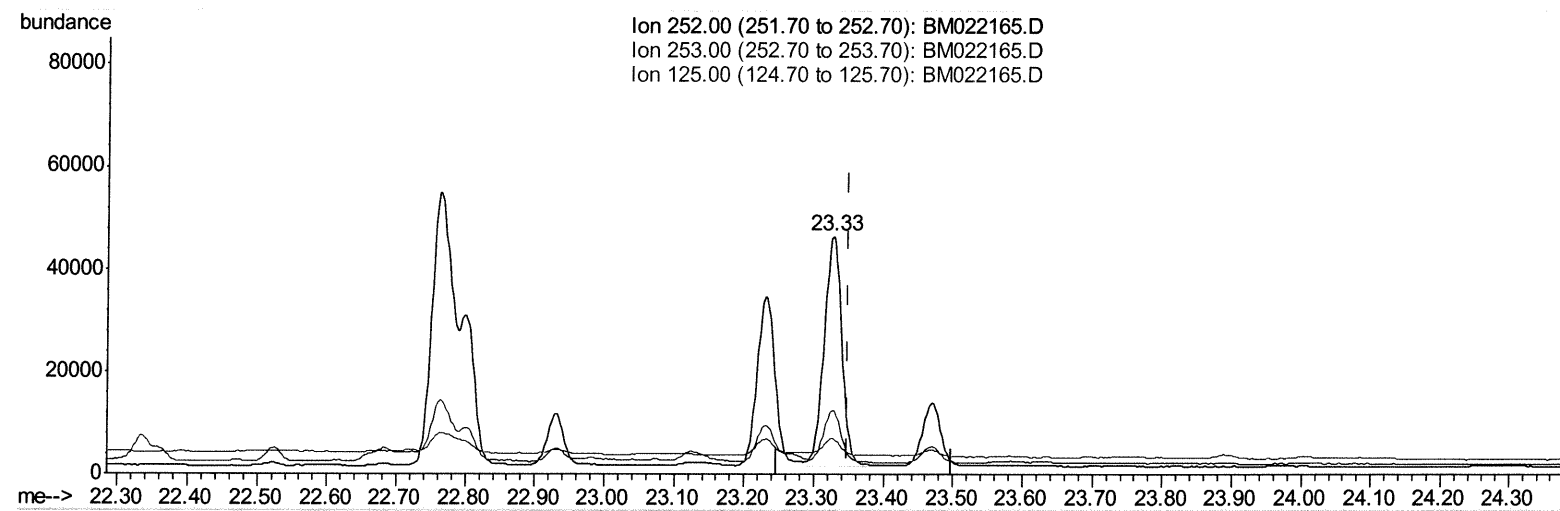
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.327min (-0.021) 4.76ng/ul m

JU
08/20/19

response 79970

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	26.92#
125.00	18.20	14.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022165.D
Acq On : 16 Aug 2019 04:19
Operator : HP/JU
Sample : K4183-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

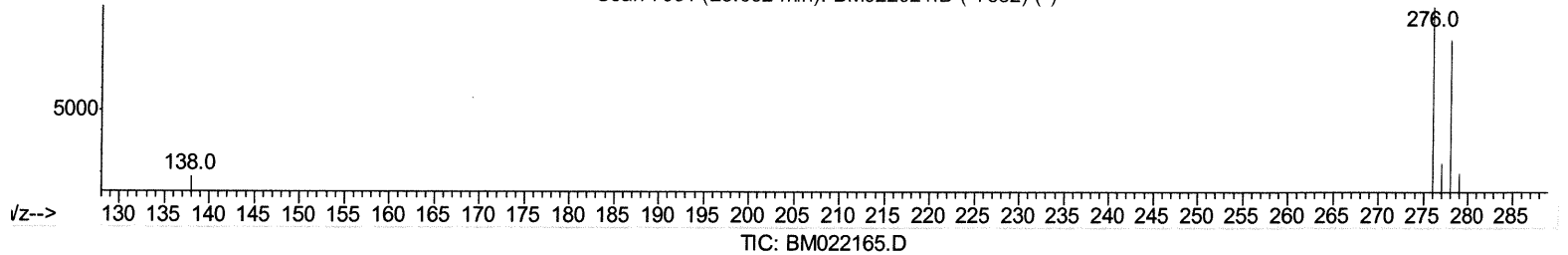
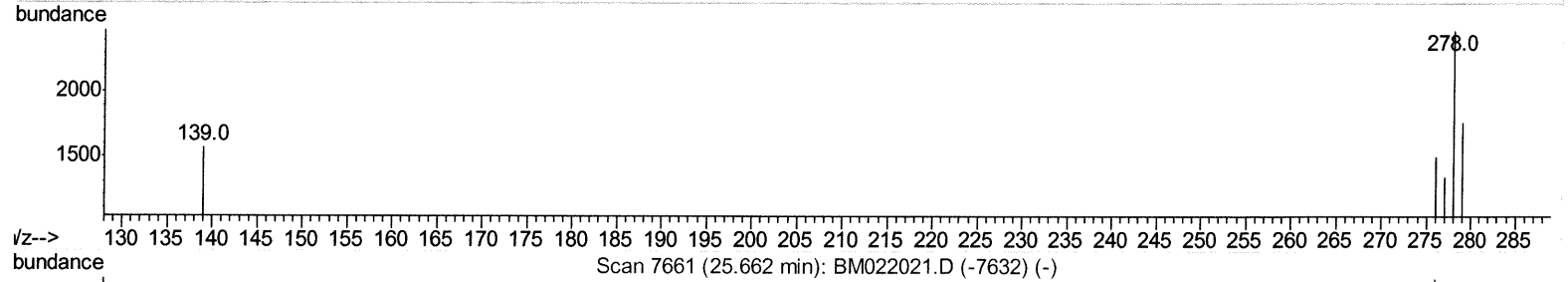
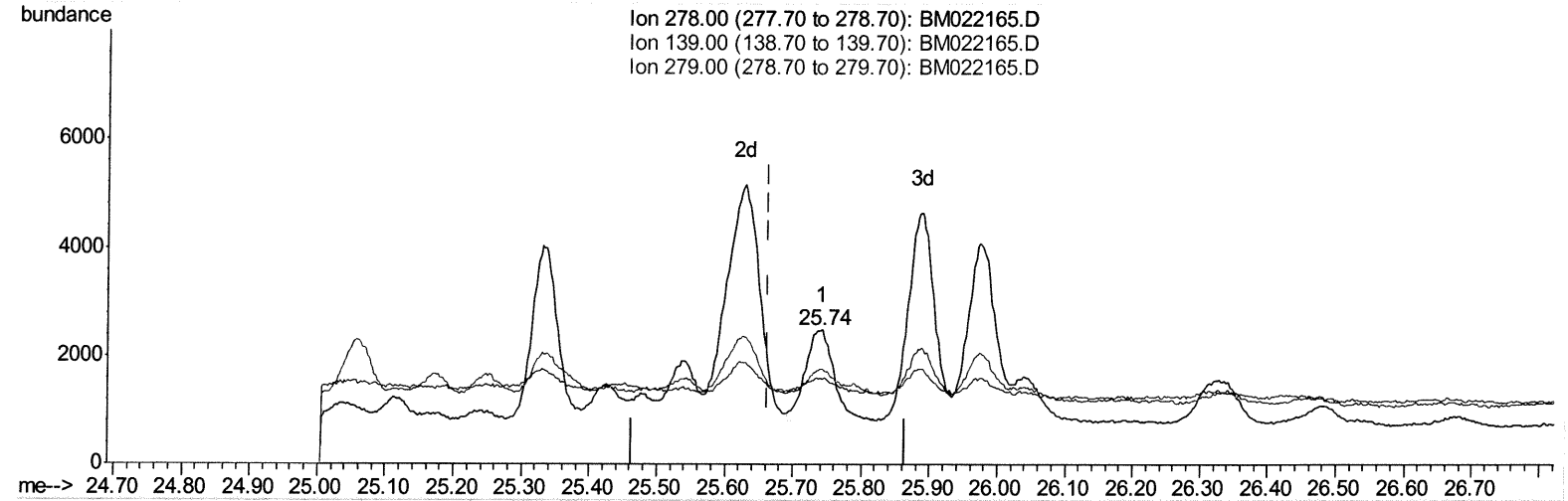
Instrument :
BNA_M
ClientSampleId :
C0AG4

Manual Integrations
APPROVED

mohammad
8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration

Ion 278.00 (277.70 to 278.70): BM022165.D
Ion 139.00 (138.70 to 139.70): BM022165.D
Ion 279.00 (278.70 to 279.70): BM022165.D



(25) Dibenzo(a,h)anthracene

25.742min (+0.078) 0.30ng/ul

response 4863

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	63.24#
279.00	35.40	71.02#
0.00	0.00	0.00

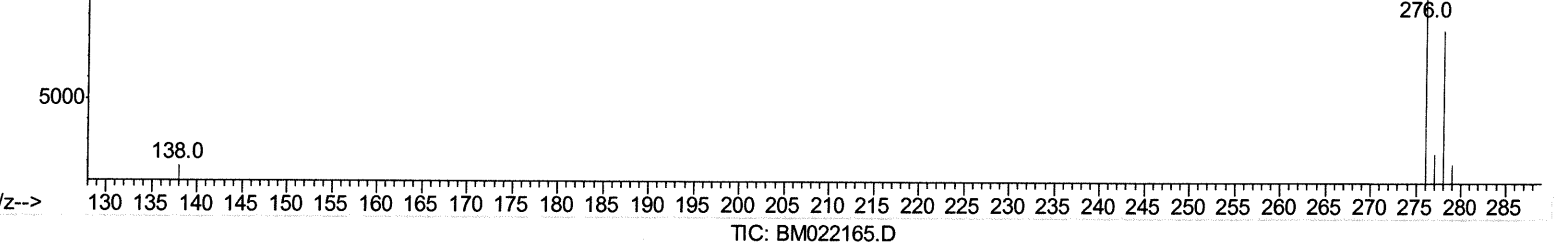
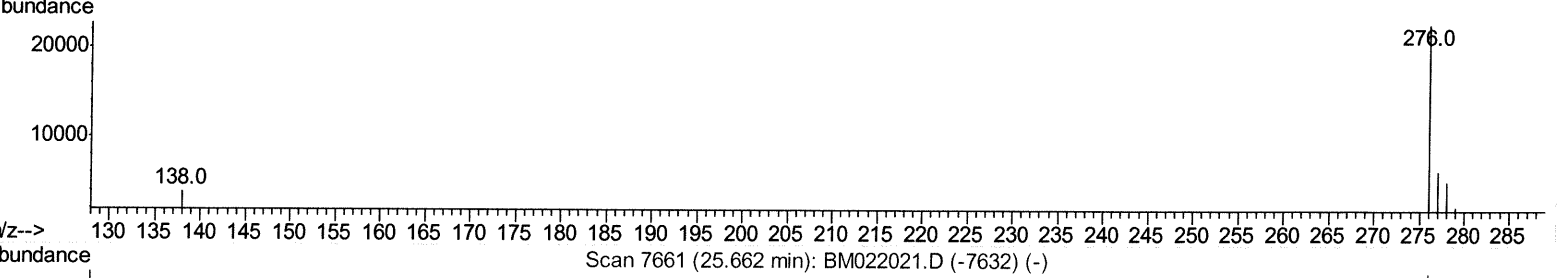
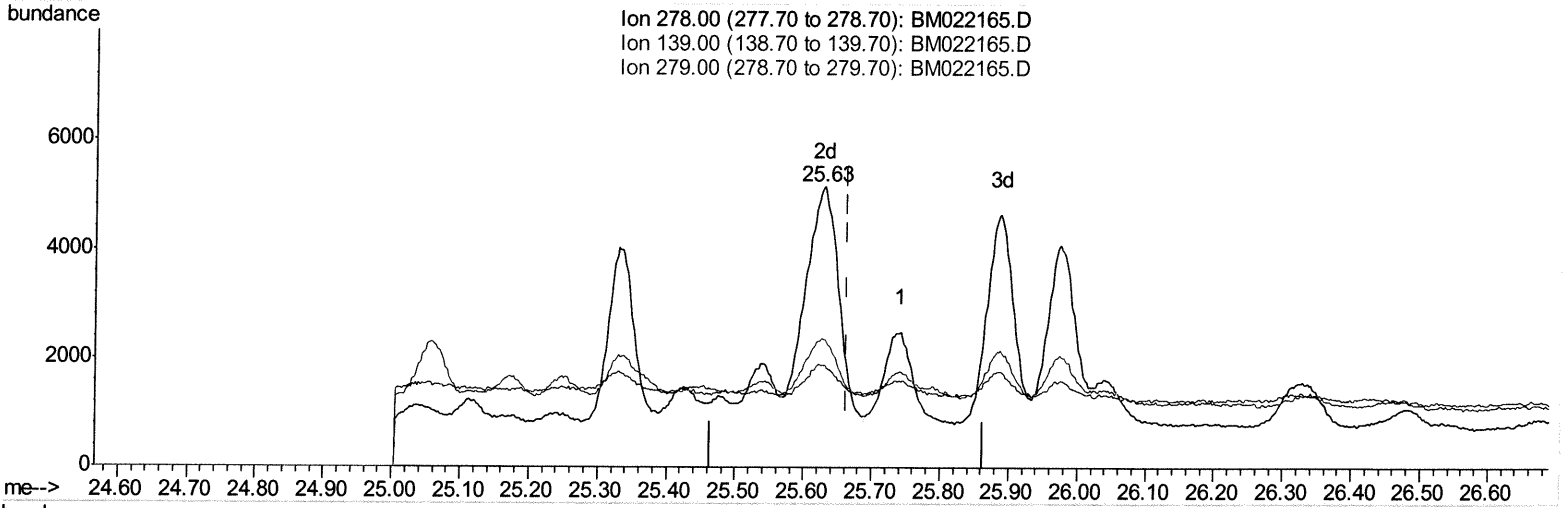
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:44:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.628min (-0.036) 0.92ng/ul m

50
 08/20/19

response 14825

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	36.43#
279.00	35.40	45.69#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022165.D
 Acq On : 16 Aug 2019 04:19
 Operator : HP/JU
 Sample : K4183-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG4

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:25 AM

Quant Time: Aug 16 15:57:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	821	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3291	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	1878	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4490m→	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4467m→	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4895m→	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.97	152	1011	0.19	ng/ul	-0.04
14) Fluoranthene-d10	19.05	212	2439m	0.16	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.42	128	6397	0.688	ng/ul#	95
5) 2-Methylnaphthalene	12.04	142	10648	1.719	ng/ul	97
7) Acenaphthylene	13.97	152	3298	0.377	ng/ul#	83
8) Acenaphthene	14.31	153	3273	0.457	ng/ul	97
9) Fluorene	15.31	166	5007	0.629	ng/ul	99
12) Phenanthrene	17.05	178	96725m→	7.404	ng/ul	96
13) Anthracene	17.14	178	28315m→	2.541	ng/ul	95
15) Fluoranthene	19.08	202	199949m→	11.425	ng/ul	96
17) Pyrene	19.44	202	177192	9.653	ng/ul	95
18) Benzo(a)anthracene	21.20	228	85879m→	5.375	ng/ul	90
19) Chrysene	21.25	228	85665	4.169	ng/ul	97
21) Benzo(b)fluoranthene	22.76	252	110855m→	6.716	ng/ul	90
22) Benzo(k)fluoranthene	22.80	252	41494m→	2.221	ng/ul	97
23) Benzo(a)pyrene	23.33	252	79970m→	4.764	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.63	276	55522	2.770	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.63	278	14825m→	0.915	ng/ul	97
26) Benzo(a,h,i)perylene	26.31	276	56221	3.116	ng/ul	97

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