

Quantitation Report (QT Reviewed)

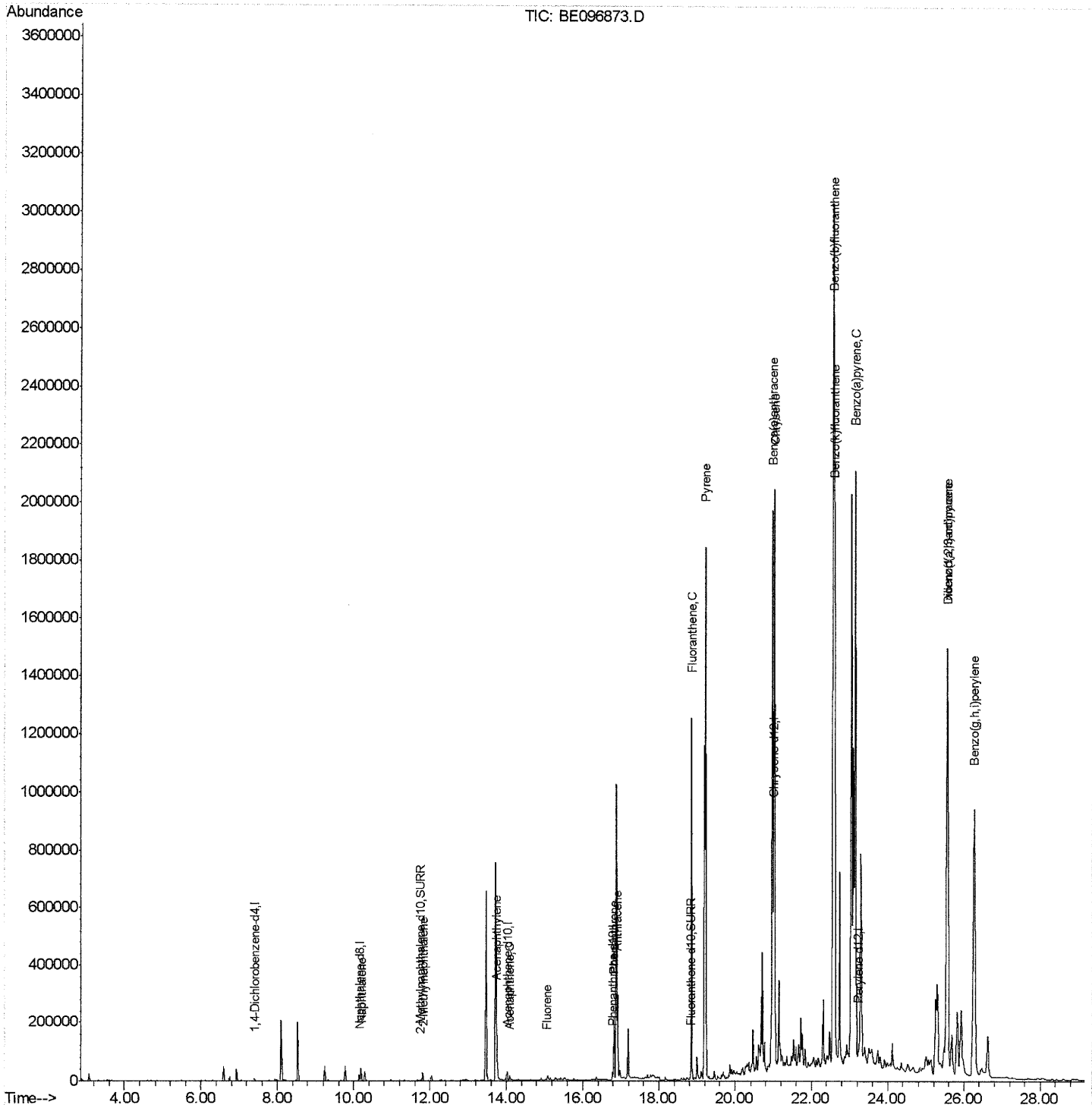
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 09 05:48:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



Quantitation Report (Qedit)

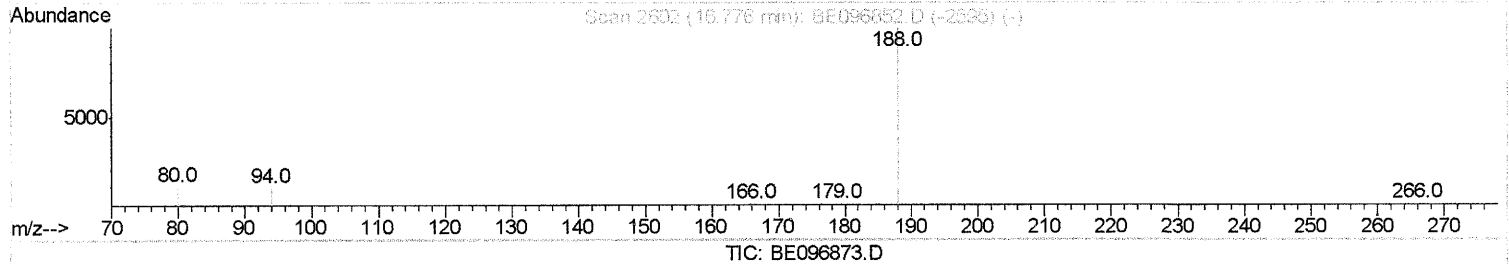
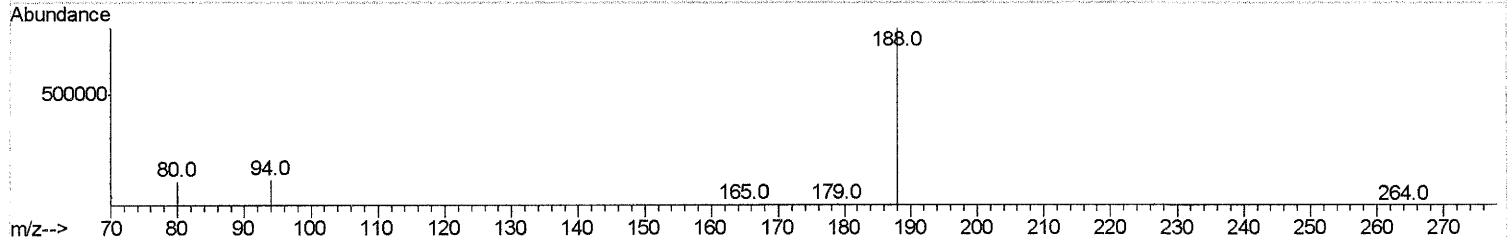
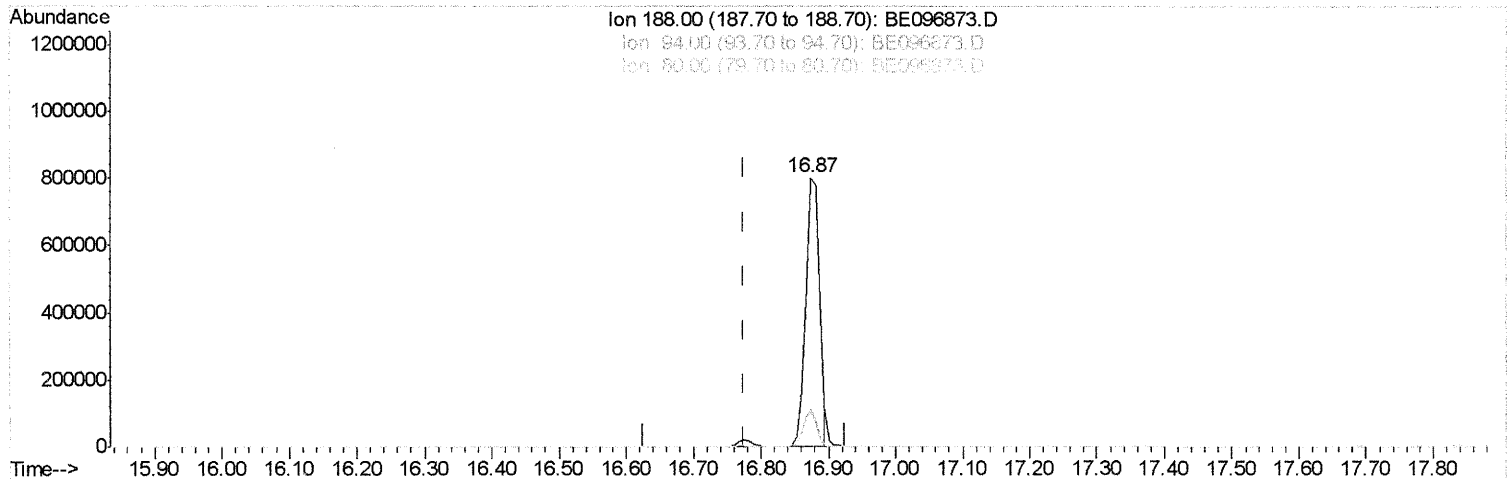
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:49:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
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(10) Phenanthrene-d10 (I)
 16.873min (+0.098) 0.40ng/ul
 response 1156086

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.21#
80.00	11.80	13.17
0.00	0.00	0.00

Quantitation Report (Qedit)

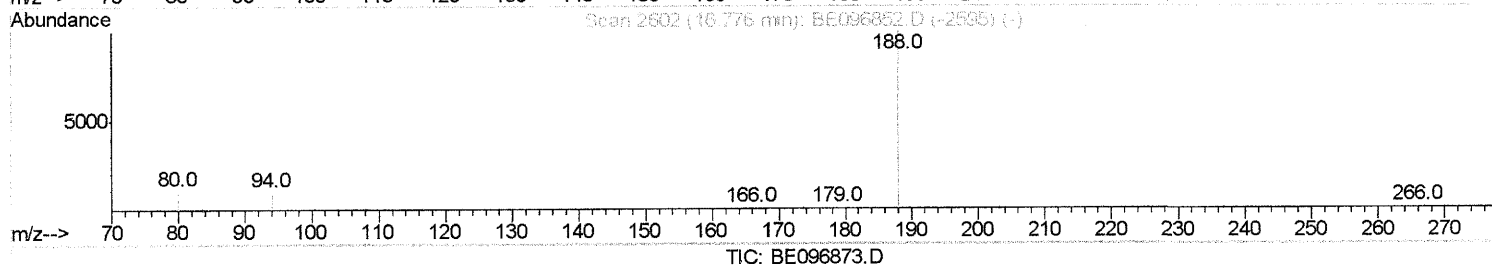
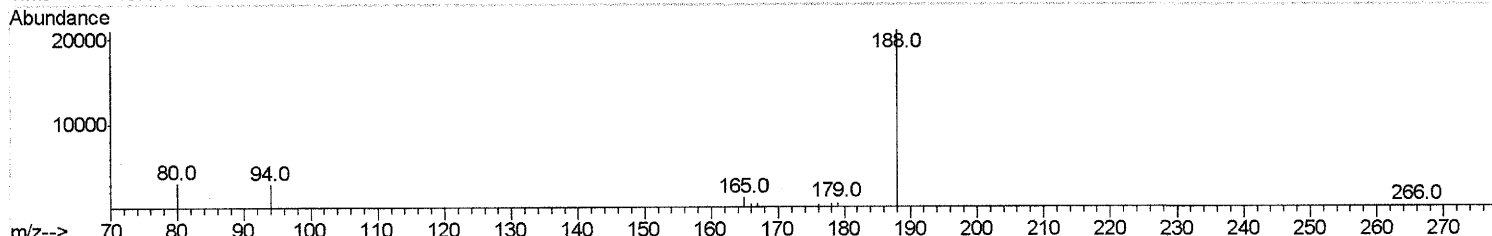
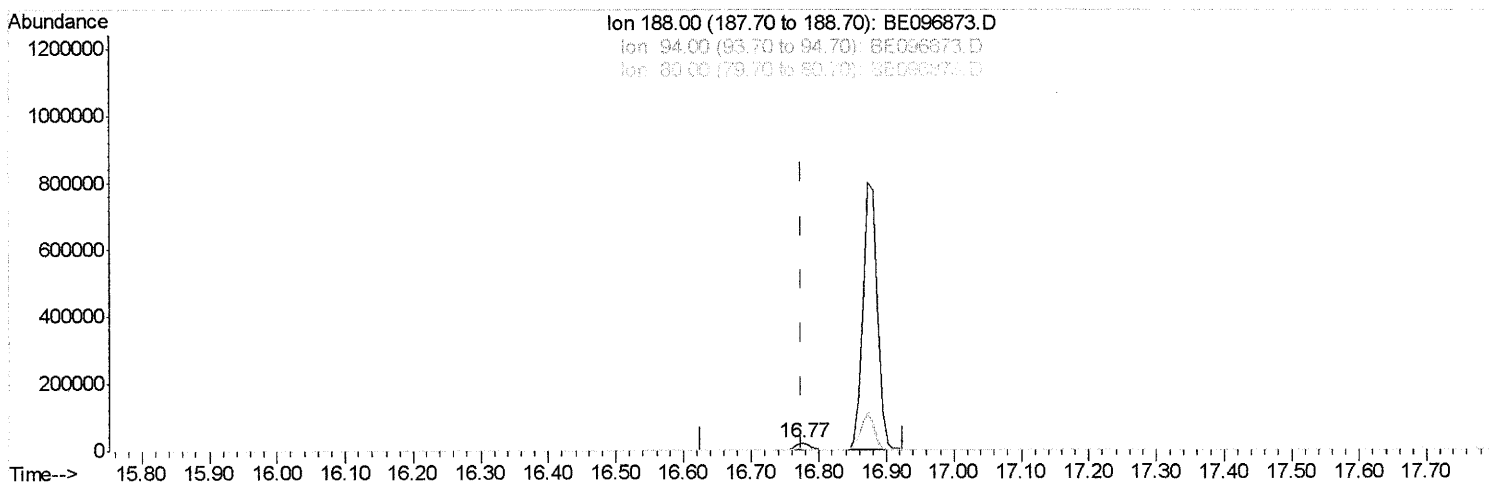
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(10) Phenanthrene-d10 (I)

16.775min (-0.001) 0.40ng/ul m

SJ 7/11/18

response 28699

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.05
80.00	11.80	13.71
0.00	0.00	0.00

Quantitation Report (Qedit)

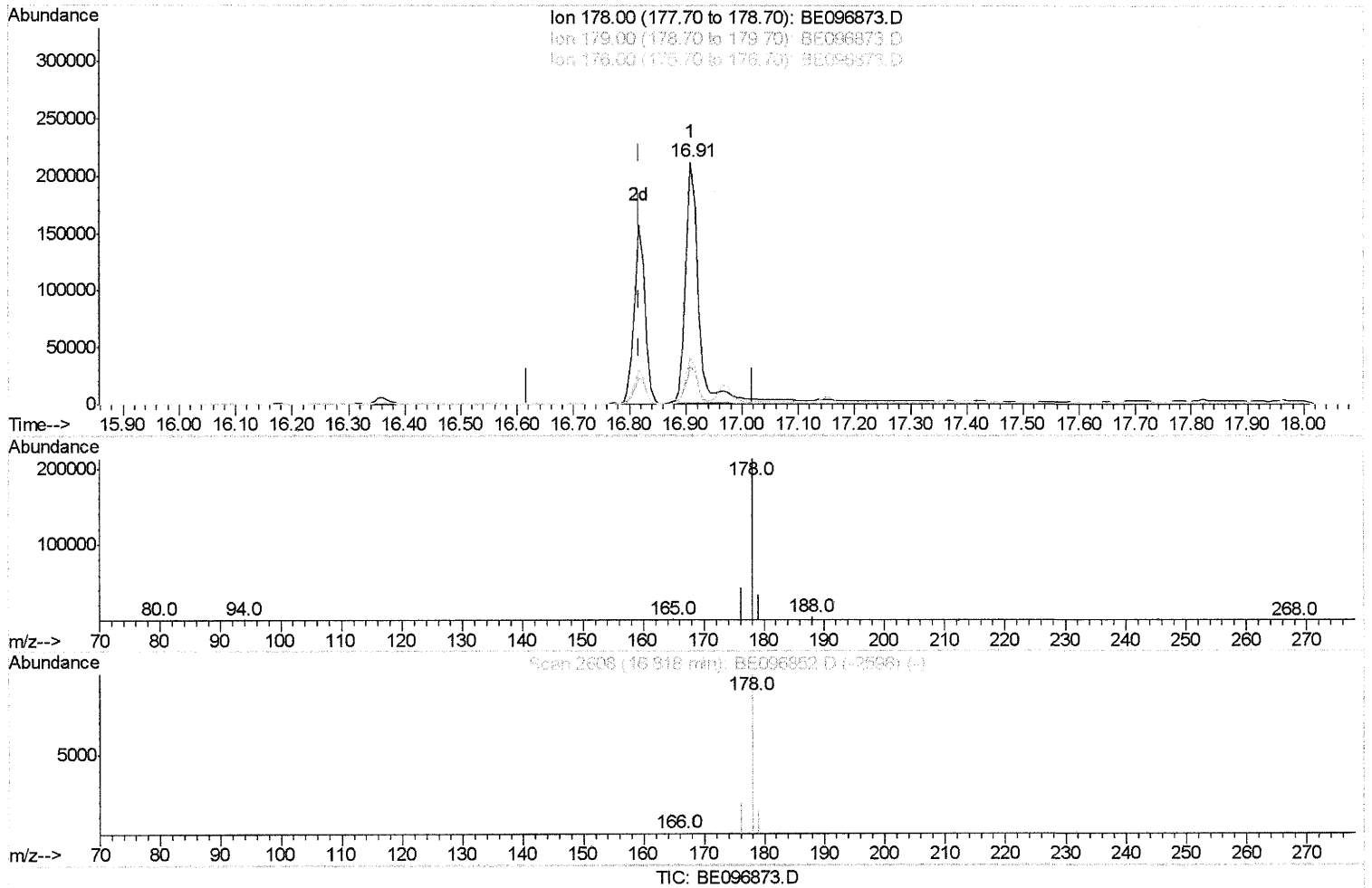
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(12) Phenanthrene

16.909min (+0.091) 4.75ng/ui

response 351407

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.95#
176.00	17.00	19.62
0.00	0.00	0.00

Quantitation Report (Qedit)

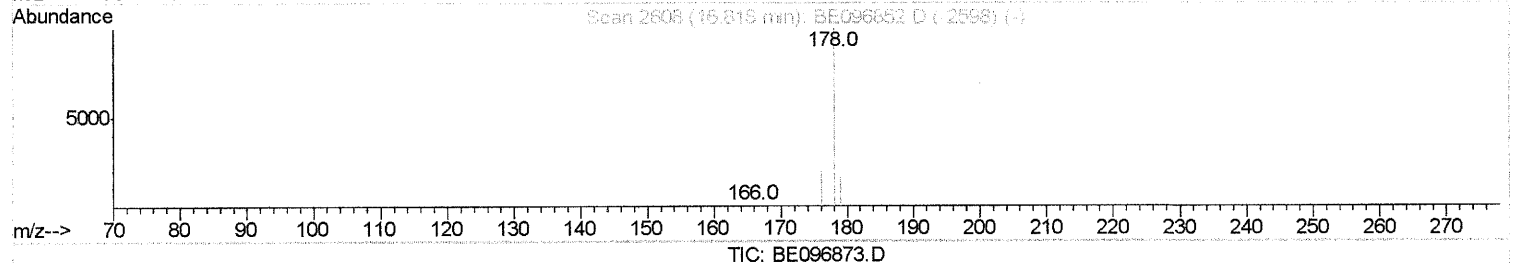
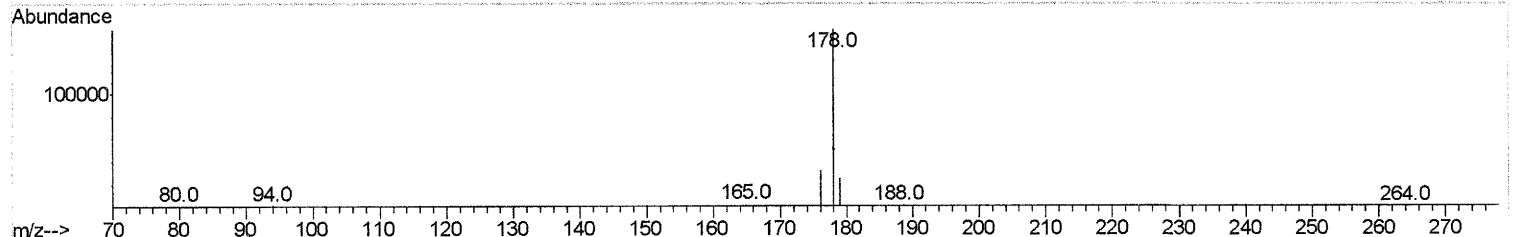
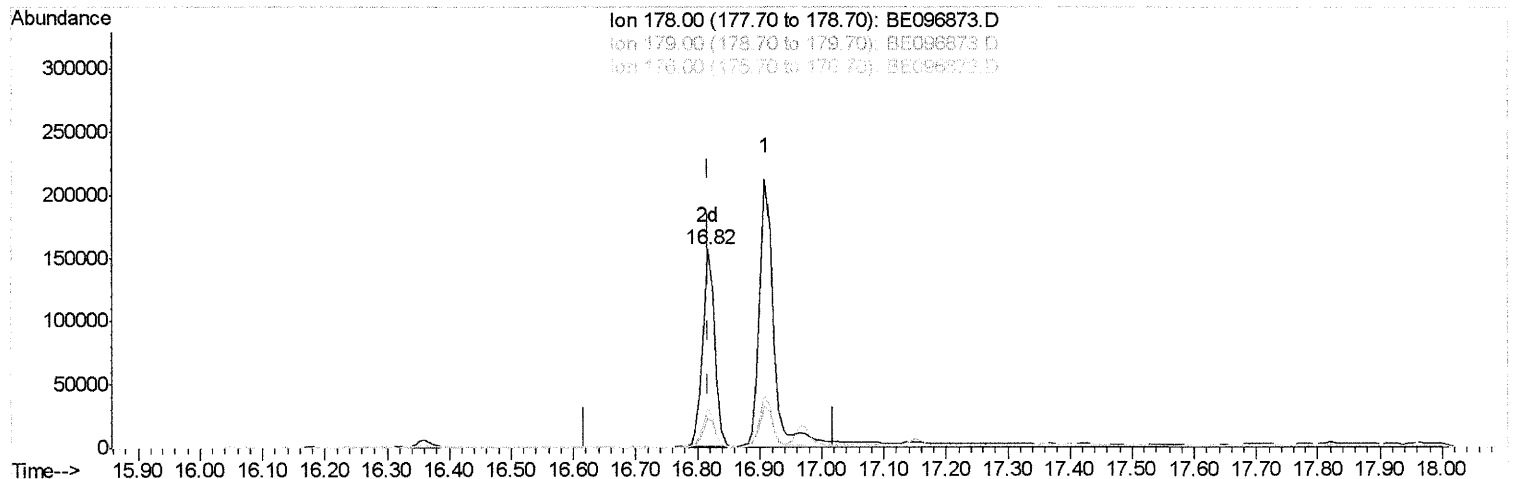
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TIC: BE096873.D

(12) Phenanthrene

16.817min (-0.001) 2.88ng/ul m

SJ 7/11/18

response 213124

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.64#
176.00	17.00	19.76
0.00	0.00	0.00

Quantitation Report (Qedit)

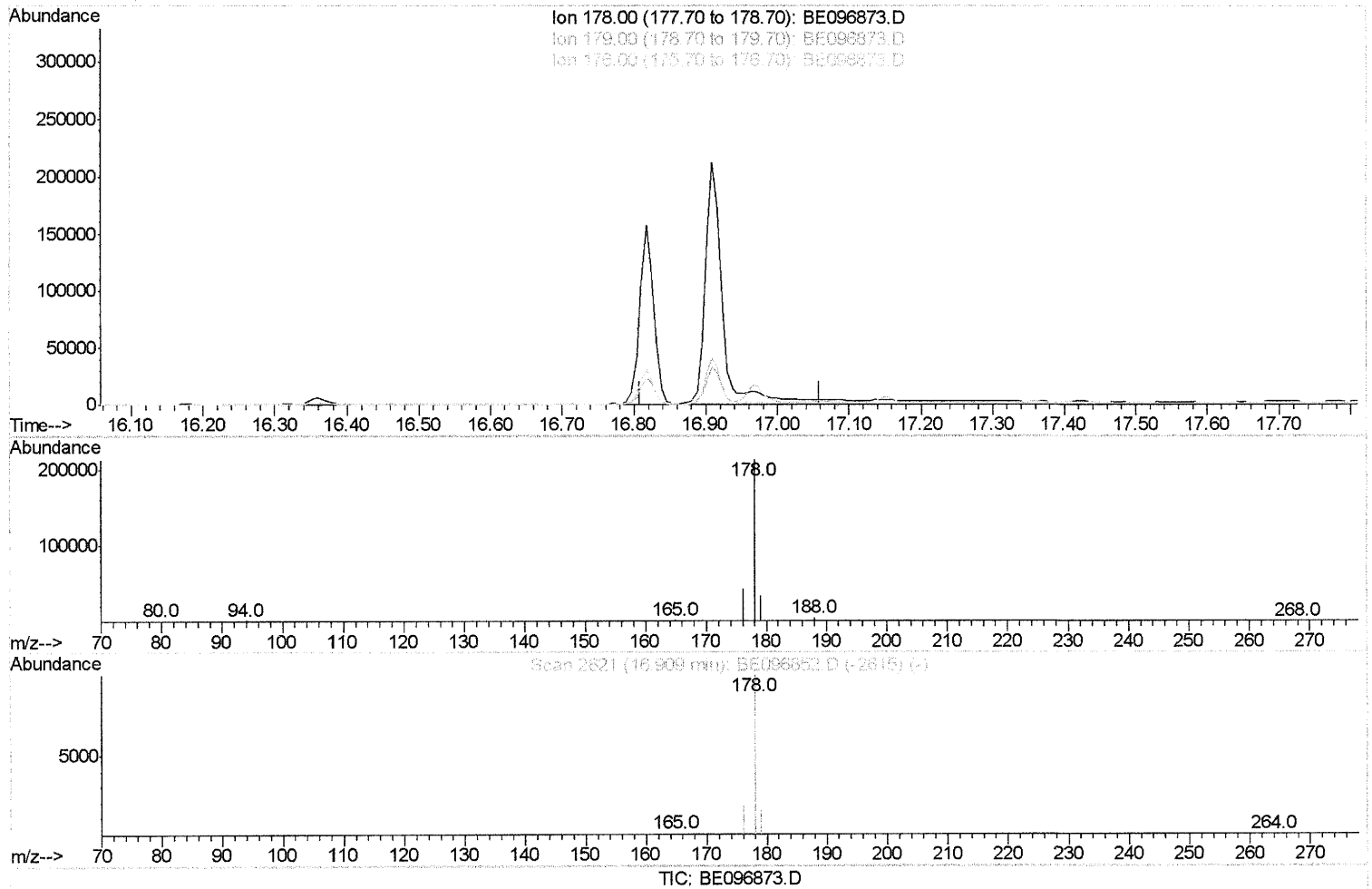
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 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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(13) Anthracene

16.909min (-16.909) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	22.60	0.00#
176.00	18.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

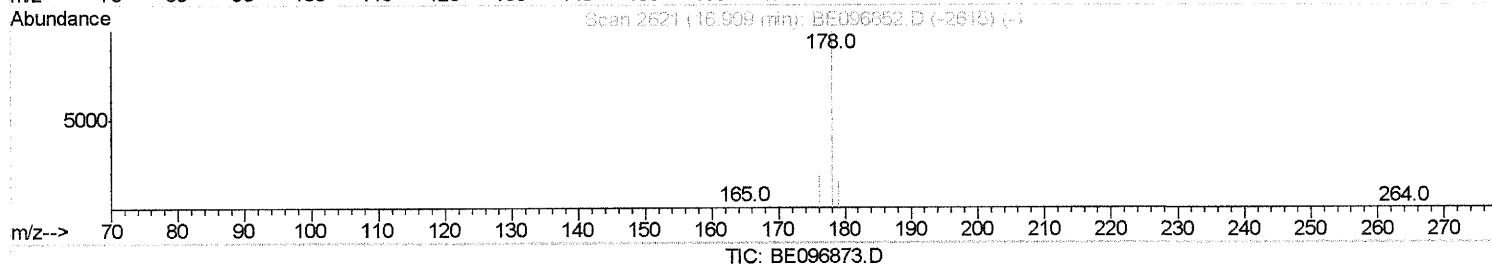
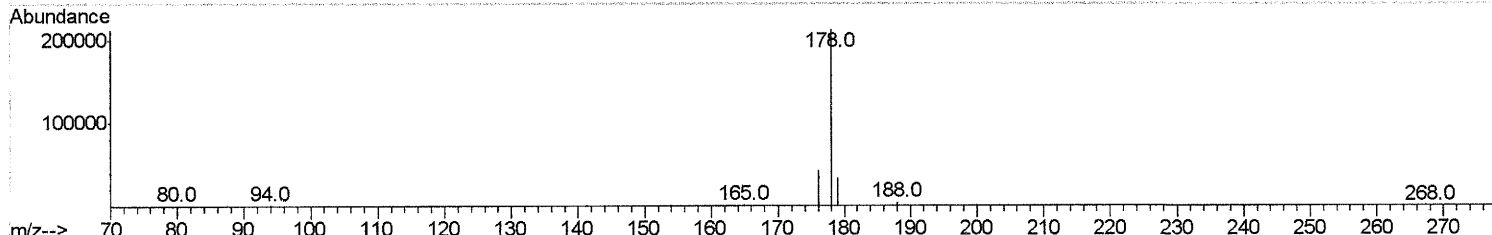
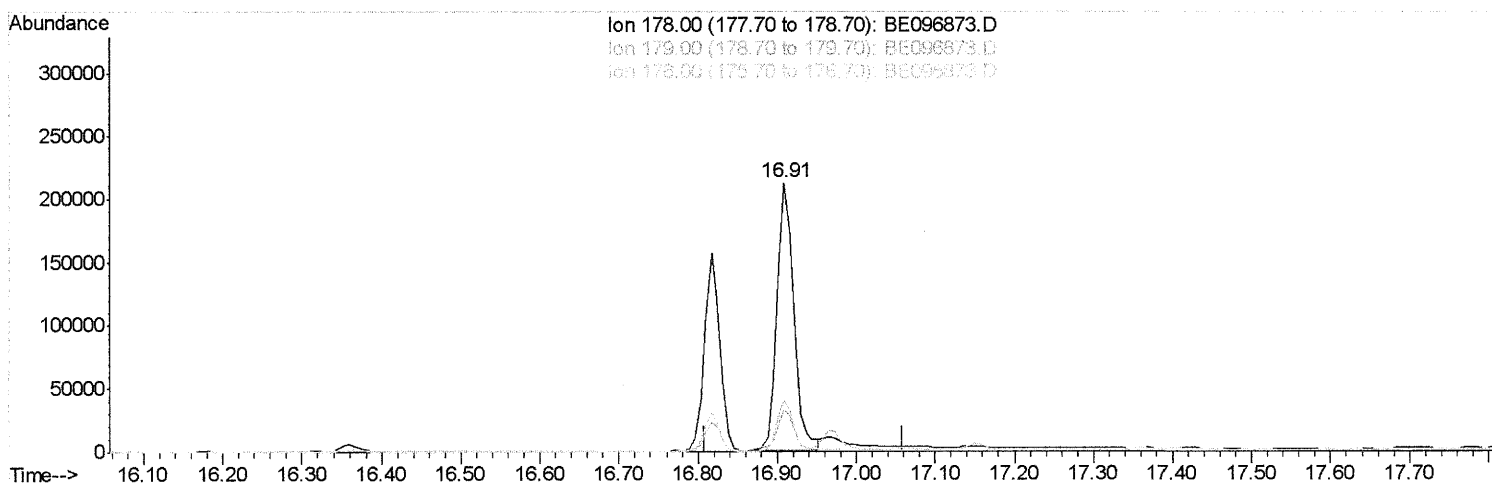
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

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(13) Anthracene

16.909min (-0.001) 4.98ng/ul m

SJ 7/11/18

response 312914

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	15.95#
176.00	18.40	19.62
0.00	0.00	0.00

Quantitation Report (Qedit)

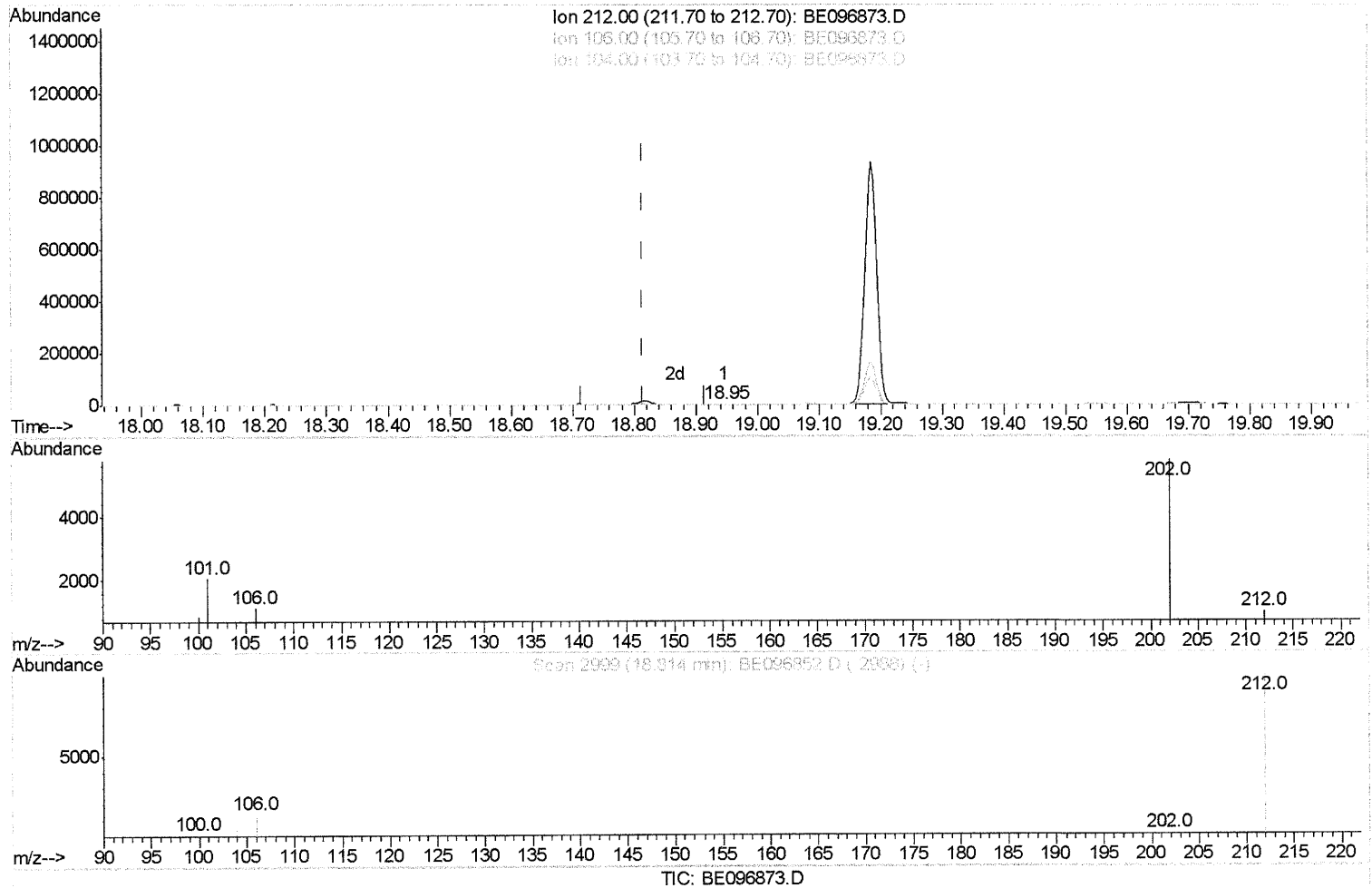
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 Misc :
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 ClientSampleId :
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Manual Integrations
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(14) Fluoranthene-d10 (SURR)

18.946min (+0.132) 0.01ng/ul

response 364

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	126.37#
104.00	15.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

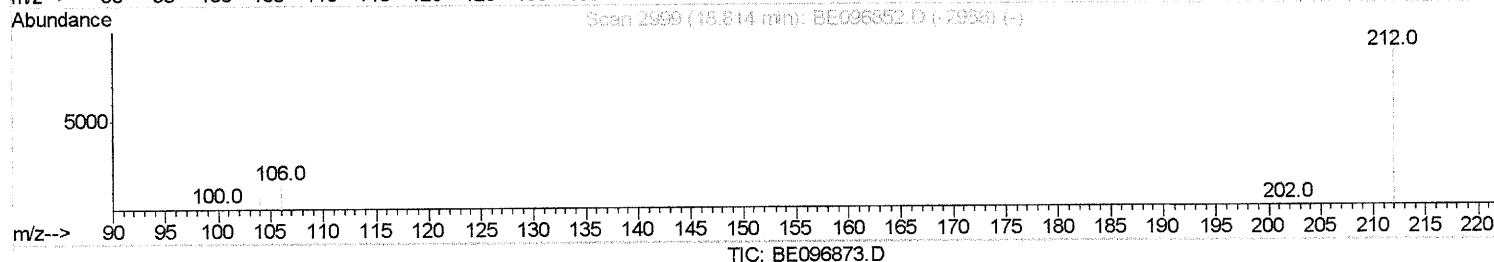
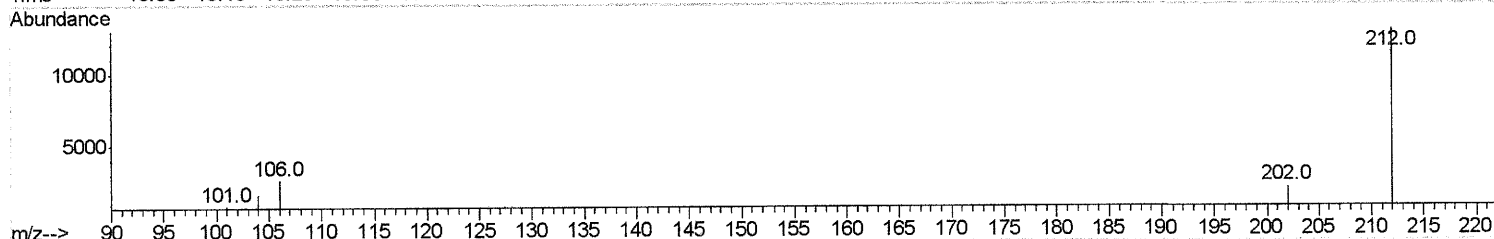
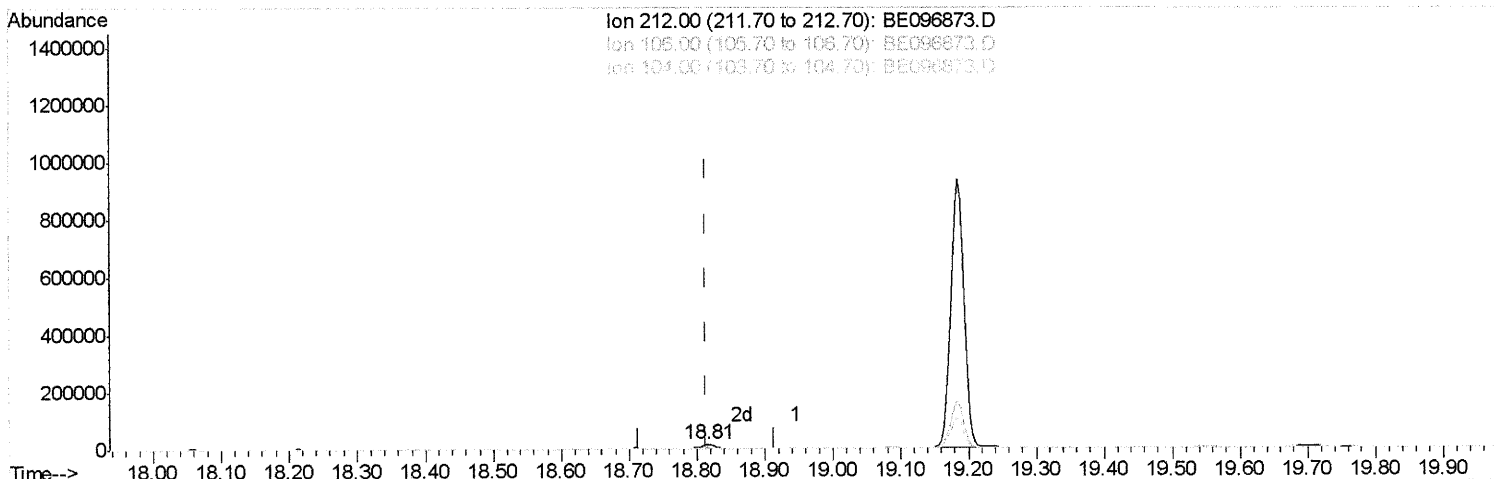
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
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 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Manual Integrations
 APPROVED

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(14) Fluoranthene-d10 (SURR)

18.814min (+0.000) 0.24ng/ul m

response 17194

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	2.68#
104.00	15.60	0.00#
0.00	0.00	0.00

SJ 7/11/18

Quantitation Report (Qedit)

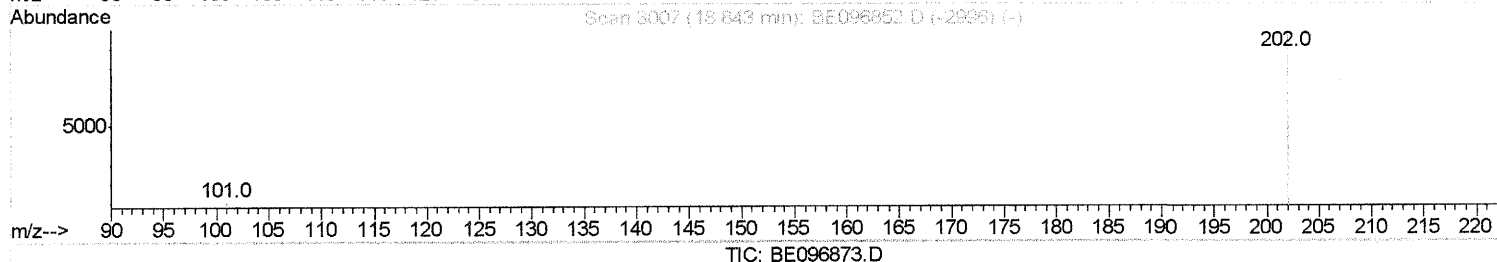
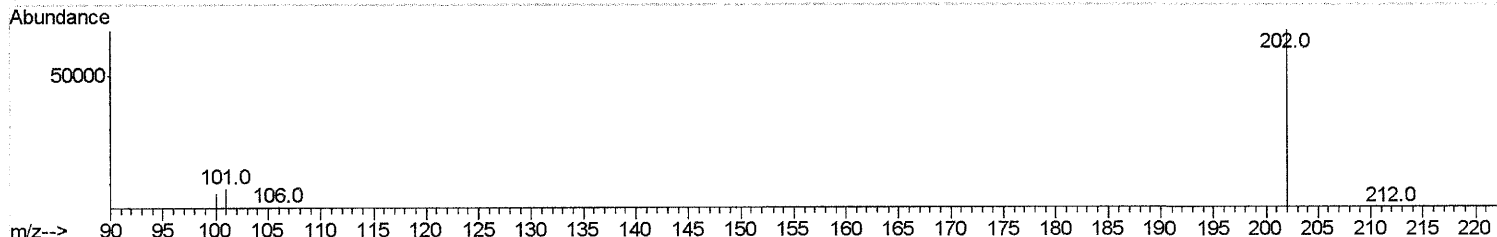
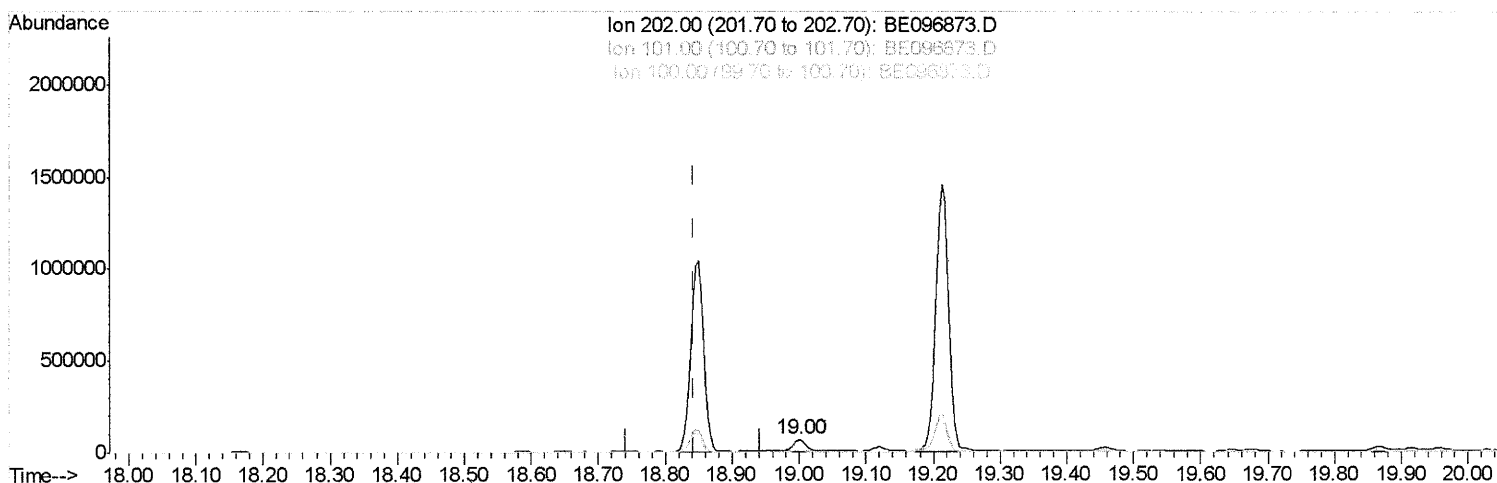
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:49:08 2018
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(15) Fluoranthene (C)

19.000min (+0.157) 1.08ng/ul

response 85120

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	11.79
100.00	19.50	8.96
0.00	0.00	0.00

Quantitation Report (Qedit)

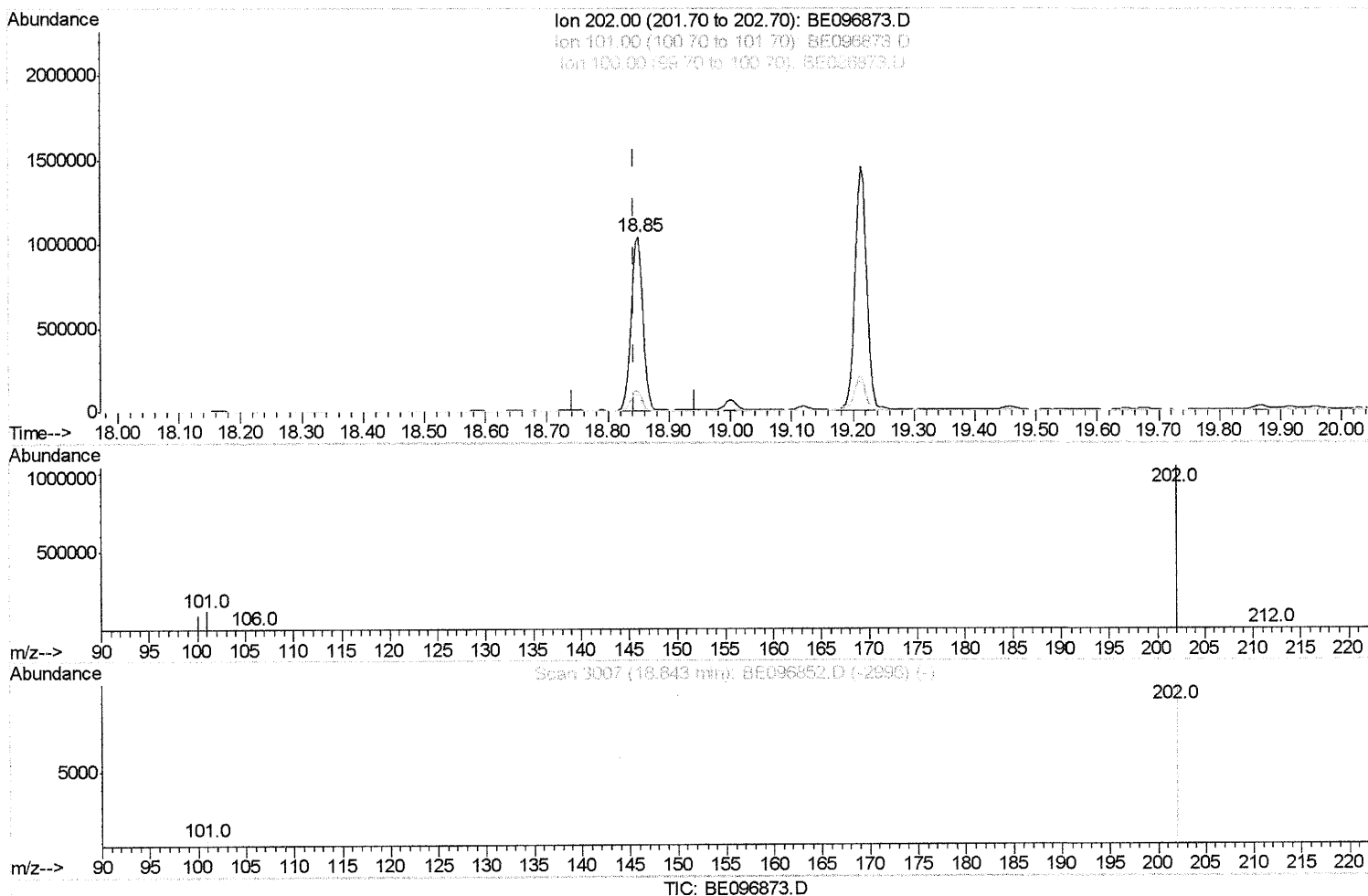
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
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 Misc :
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Instrument :
 BNA_E
 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
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(15) Fluoranthene (C)

18.850min (+0.007) 17.42ng/ul m

SJ 7/11/18

response 1372761

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	11.51
100.00	19.50	8.80
0.00	0.00	0.00

Quantitation Report (Qedit)

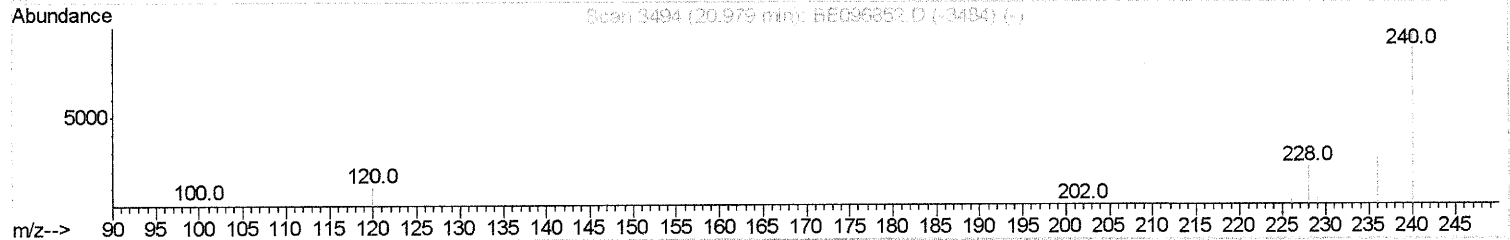
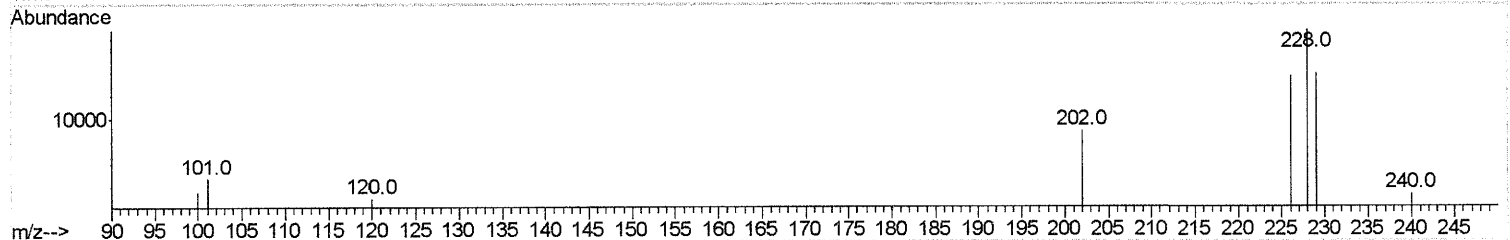
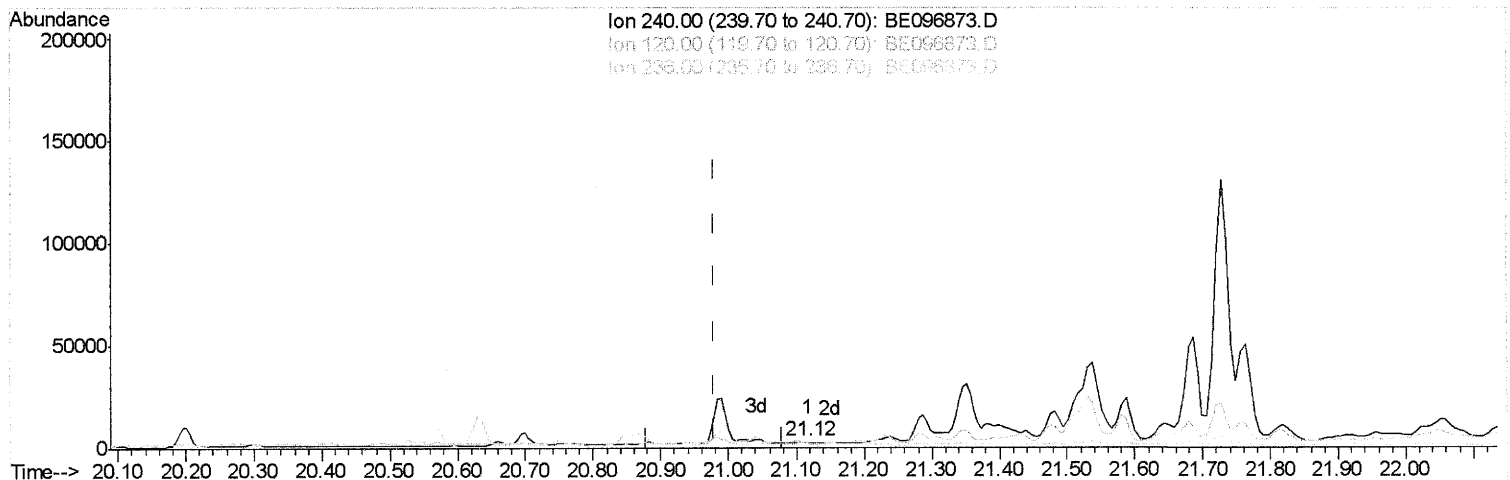
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TIC: BE096873.D

(16) Chrysene-d12 (I)

21.117min (+0.138) 0.40ng/ul

response 1442

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	90.95#
236.00	34.90	67.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

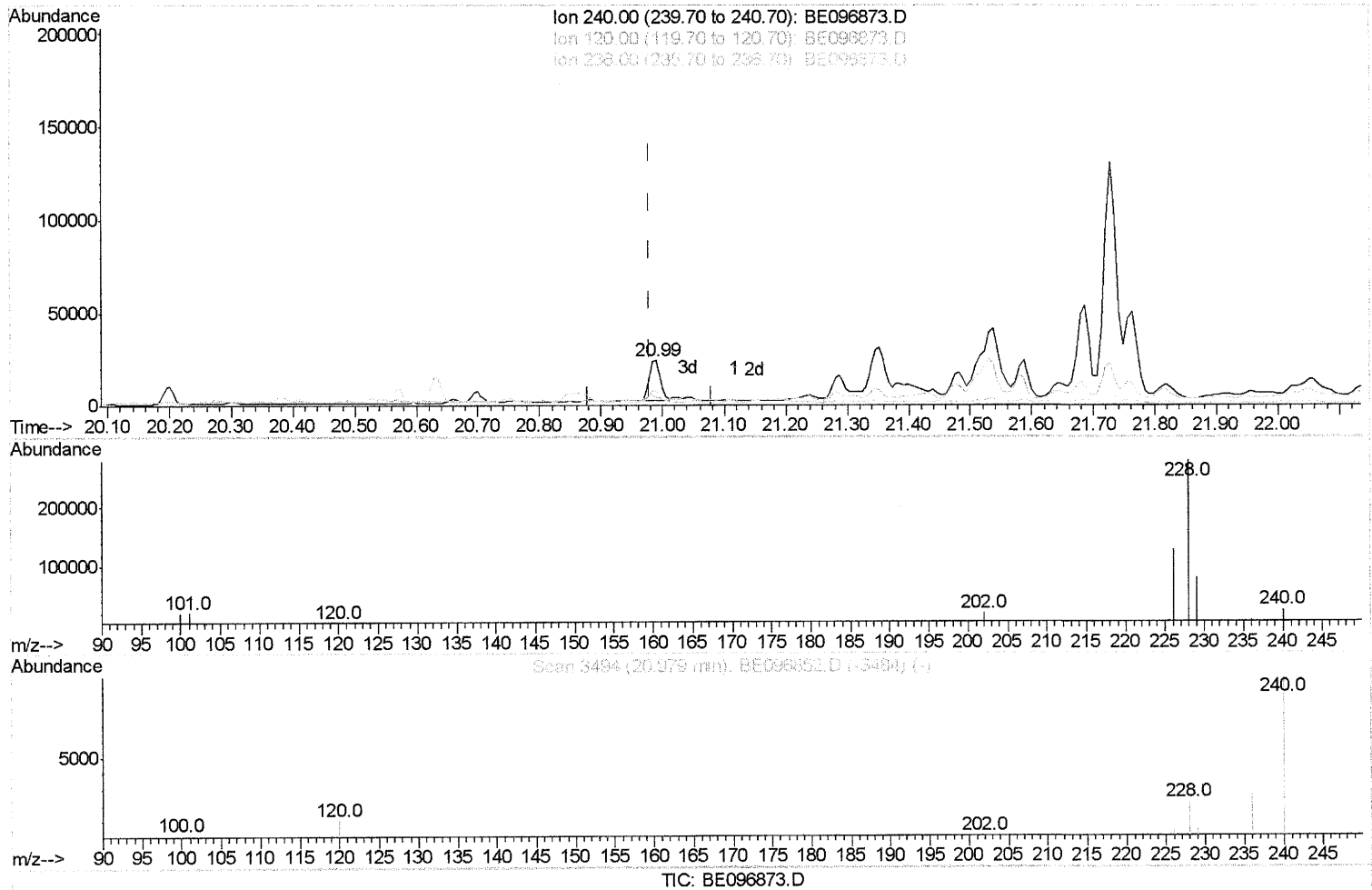
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(16) Chrysene-d12 (I)

20.990min (+0.011) 0.40ng/ul m

response 27936

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	20.49
236.00	34.90	31.80
0.00	0.00	0.00

Quantitation Report (Qedit)

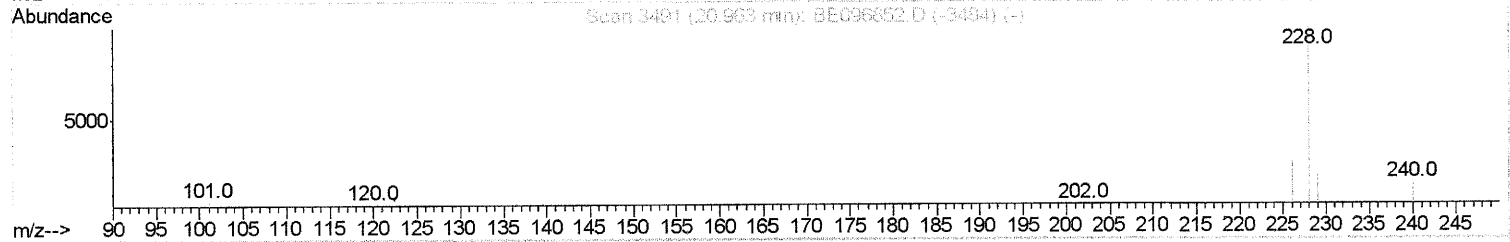
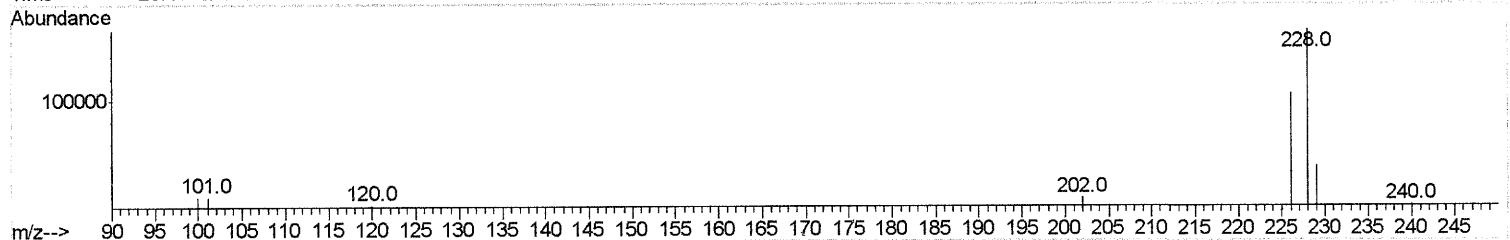
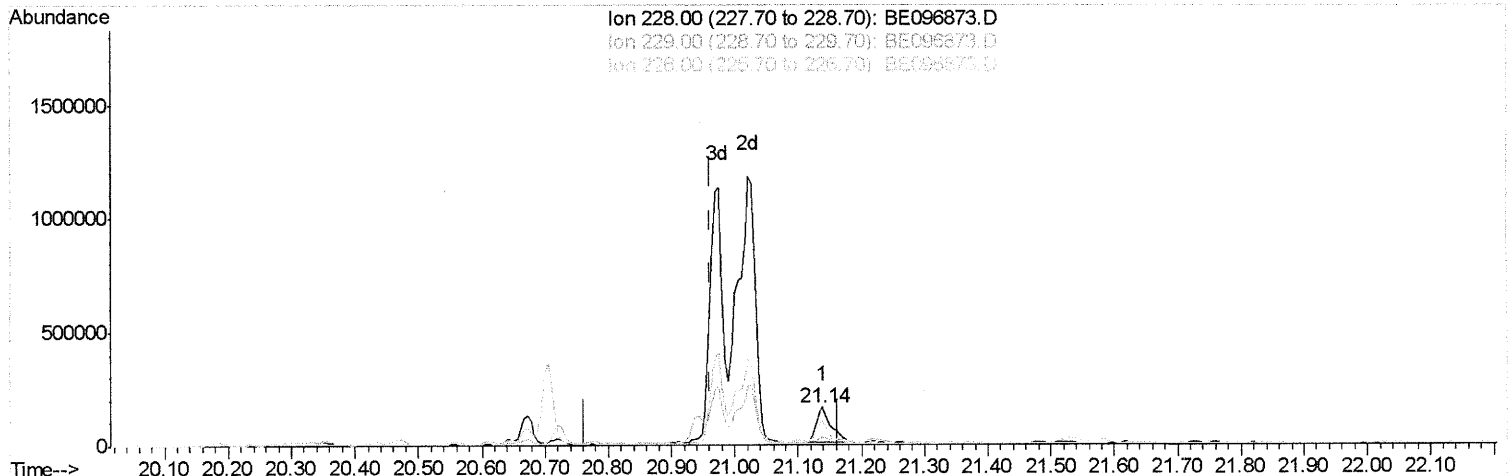
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TIC: BE096873.D

(18) Benzo(a)anthracene
 21.138min (+0.175) 3.85ng/ul
 response 253730

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	23.24
226.00	21.30	64.07#
0.00	0.00	0.00

Quantitation Report (Qedit)

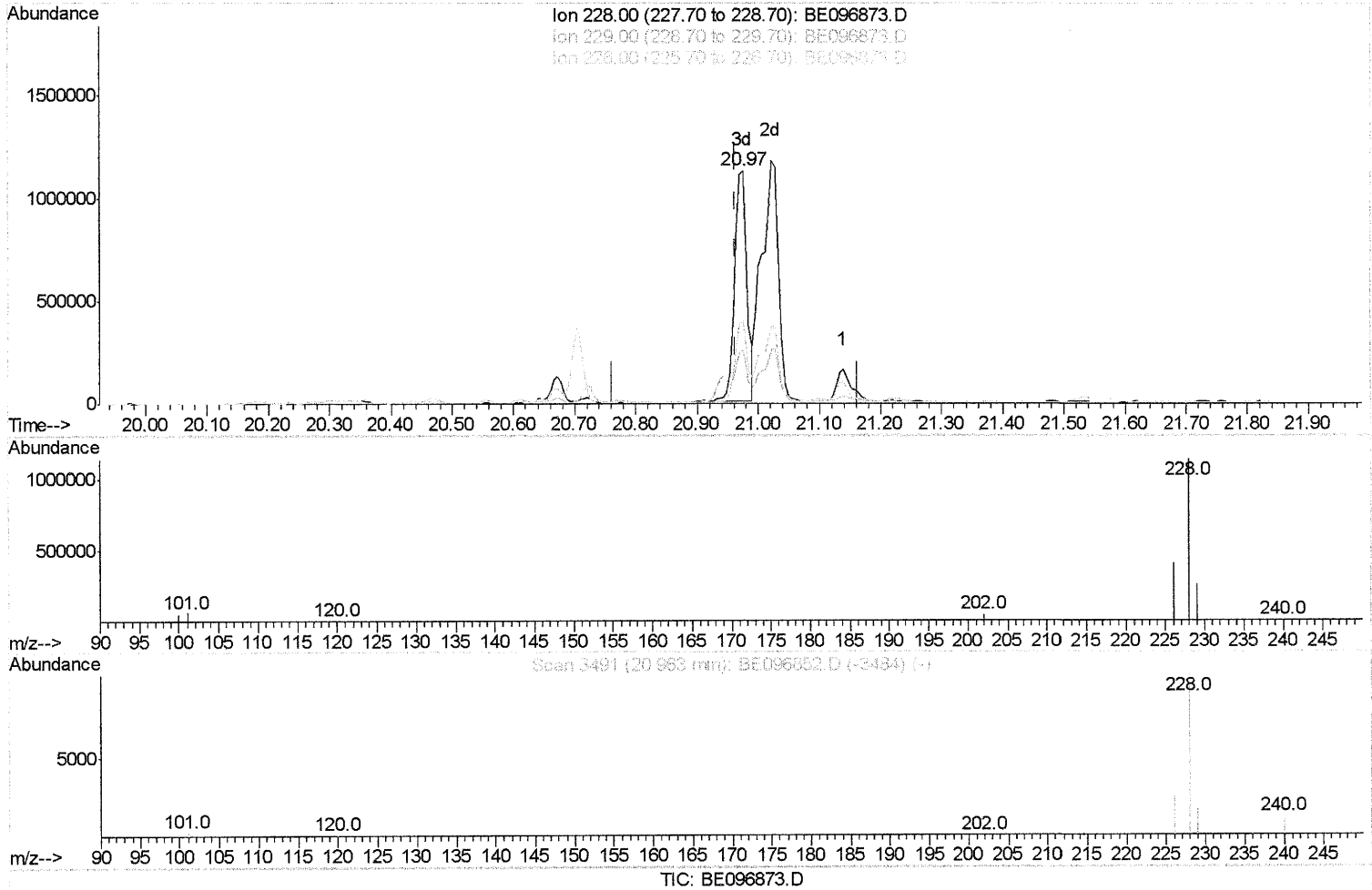
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
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(18) Benzo(a)anthracene

20.974min (+0.011) 24.28ng/ul m

response 1600097

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	23.04
226.00	21.30	35.97#
0.00	0.00	0.00

Quantitation Report (Qedit)

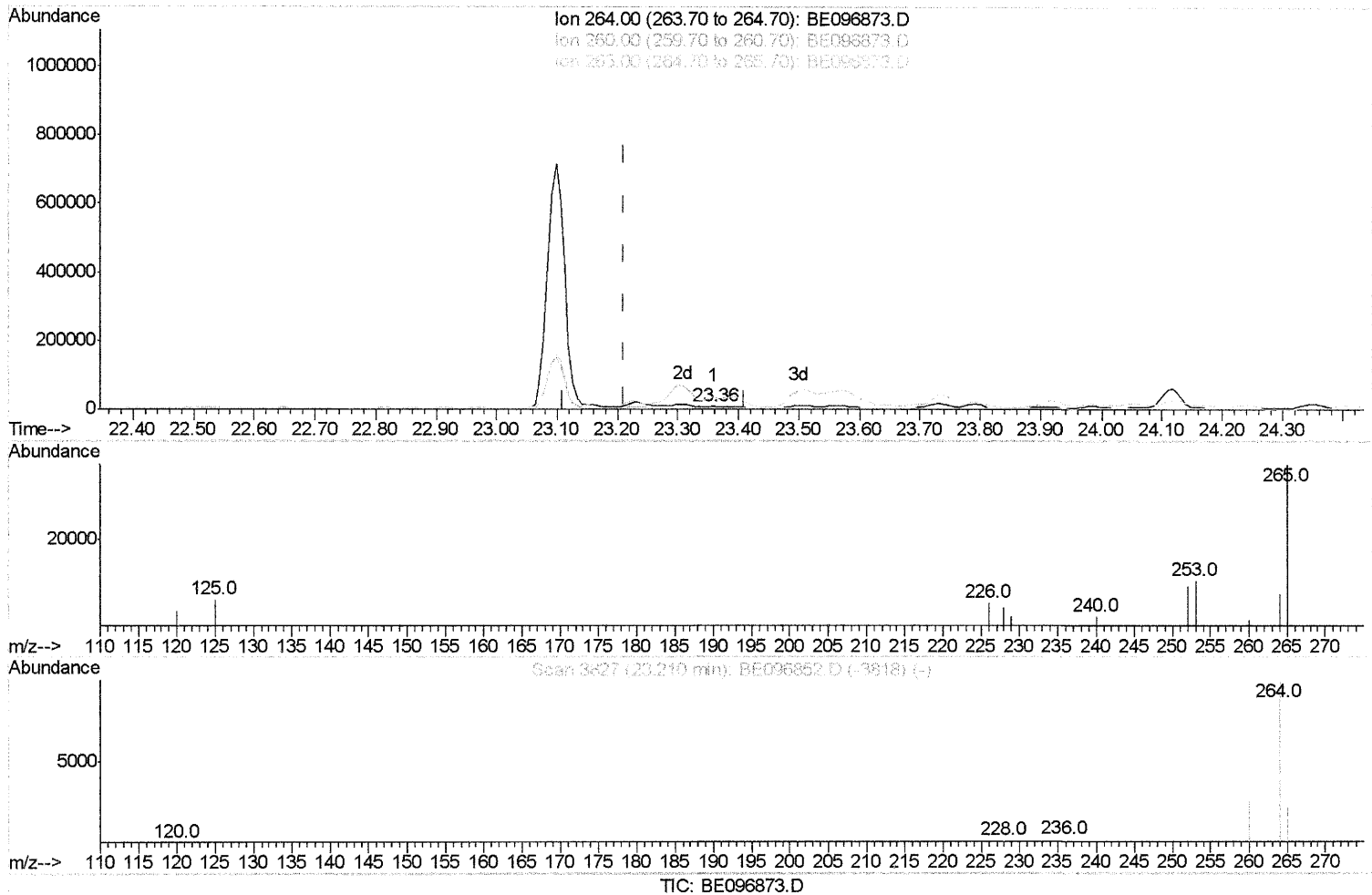
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(20) Perylene-d12 (I)

23.358min (+0.148) 0.40ng/ul

response 18796

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	36.18#
265.00	103.50	431.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

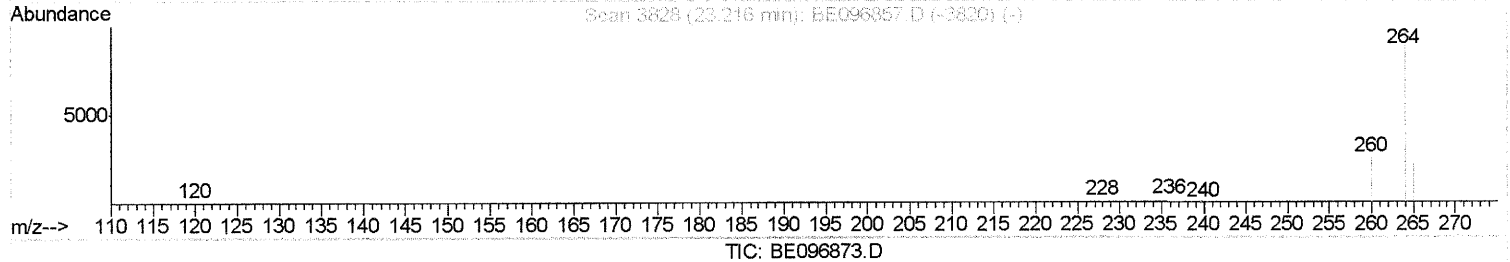
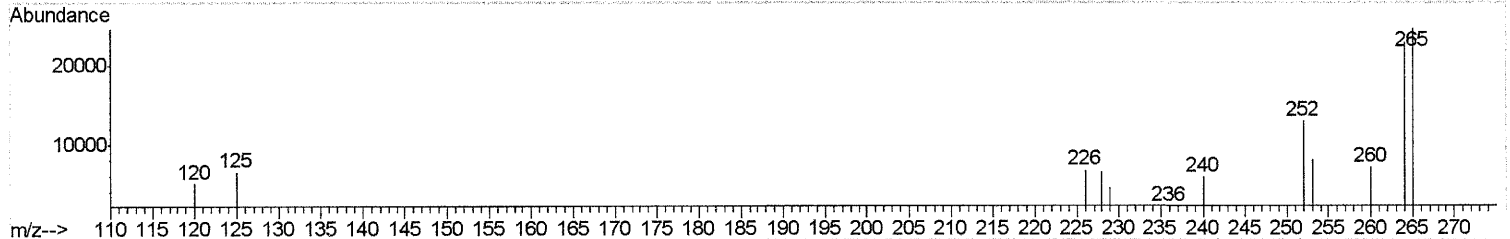
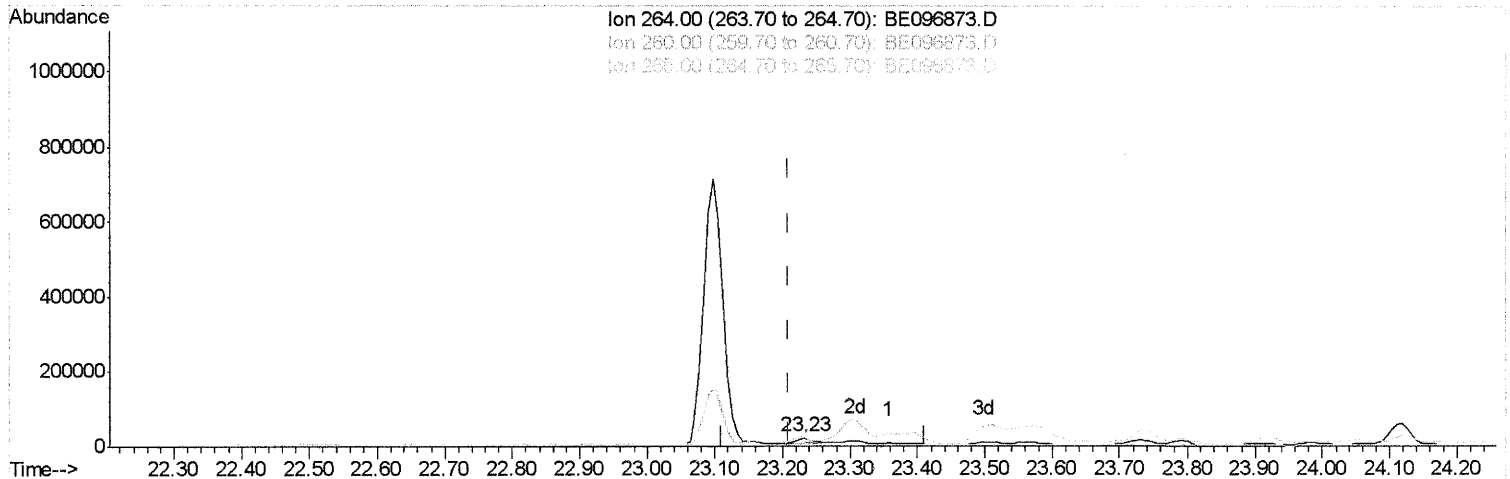
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 07:01:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.231min (+0.021) 0.40ng/ul m

SJ 7/11/18

response 26744

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.93
265.00	103.50	107.98
0.00	0.00	0.00

Quantitation Report (Qedit)

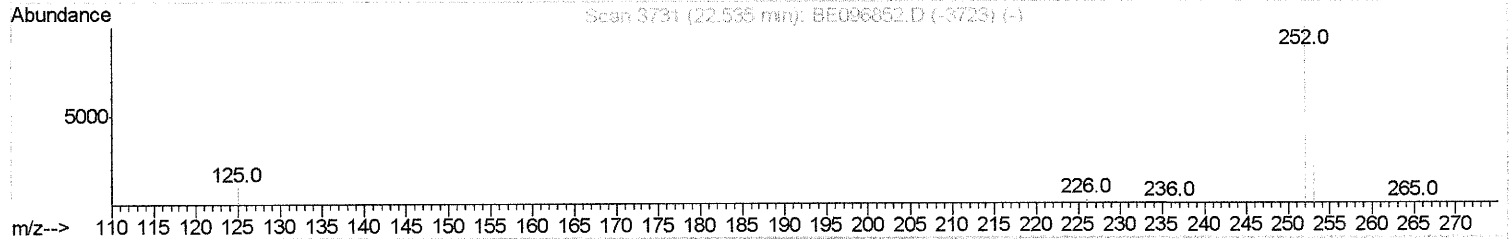
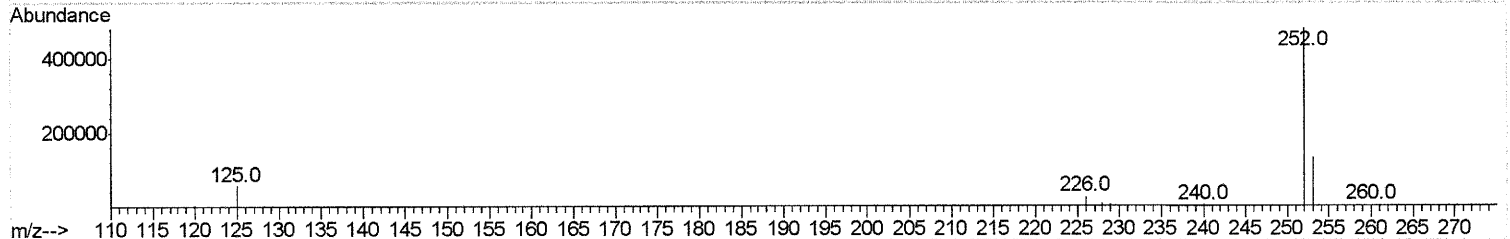
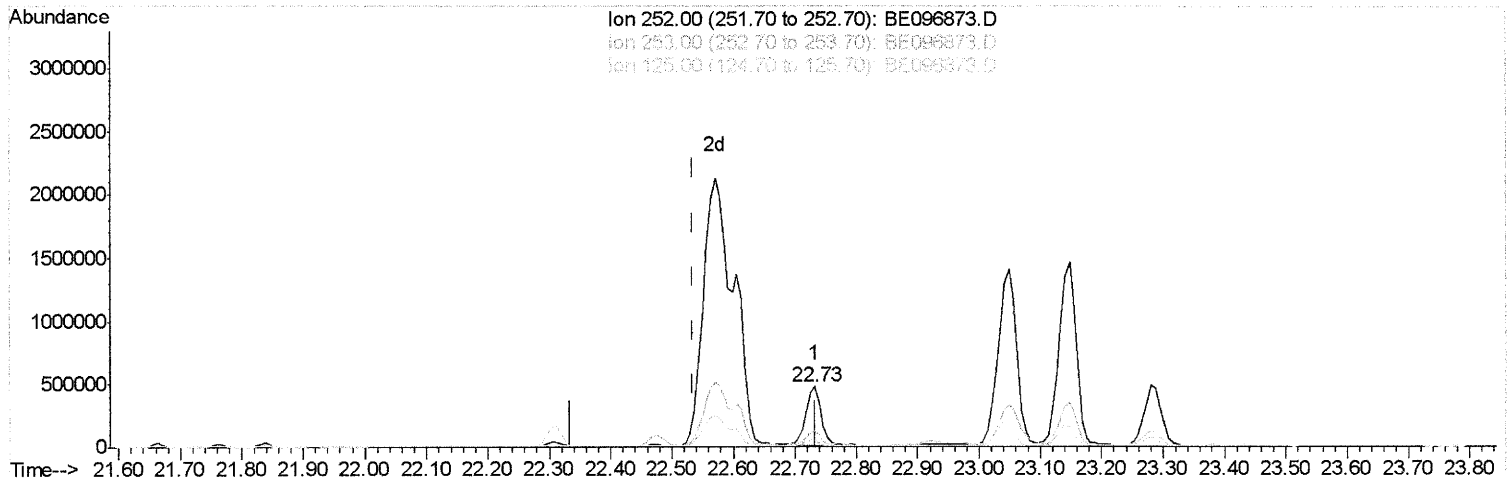
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 22.732min (+0.197) 7.86ng/ul
 response 849054

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	27.00
125.00	17.50	11.68
0.00	0.00	0.00

Quantitation Report (Qedit)

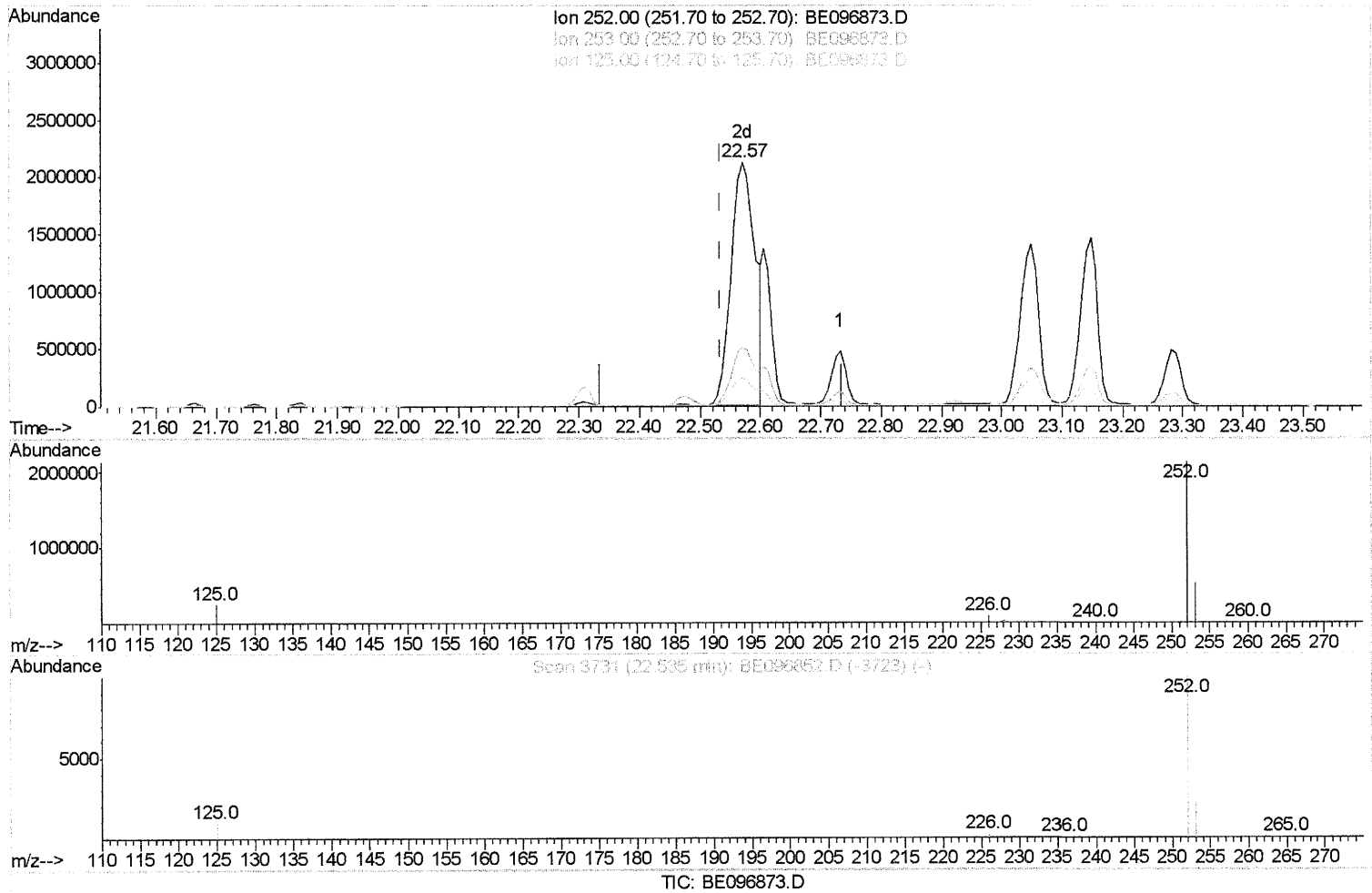
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.570min (+0.035) 53.76ng/ul m

response 5806846

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.70
125.00	17.50	11.83
0.00	0.00	0.00

SJ 7/11/18

Quantitation Report (Qedit)

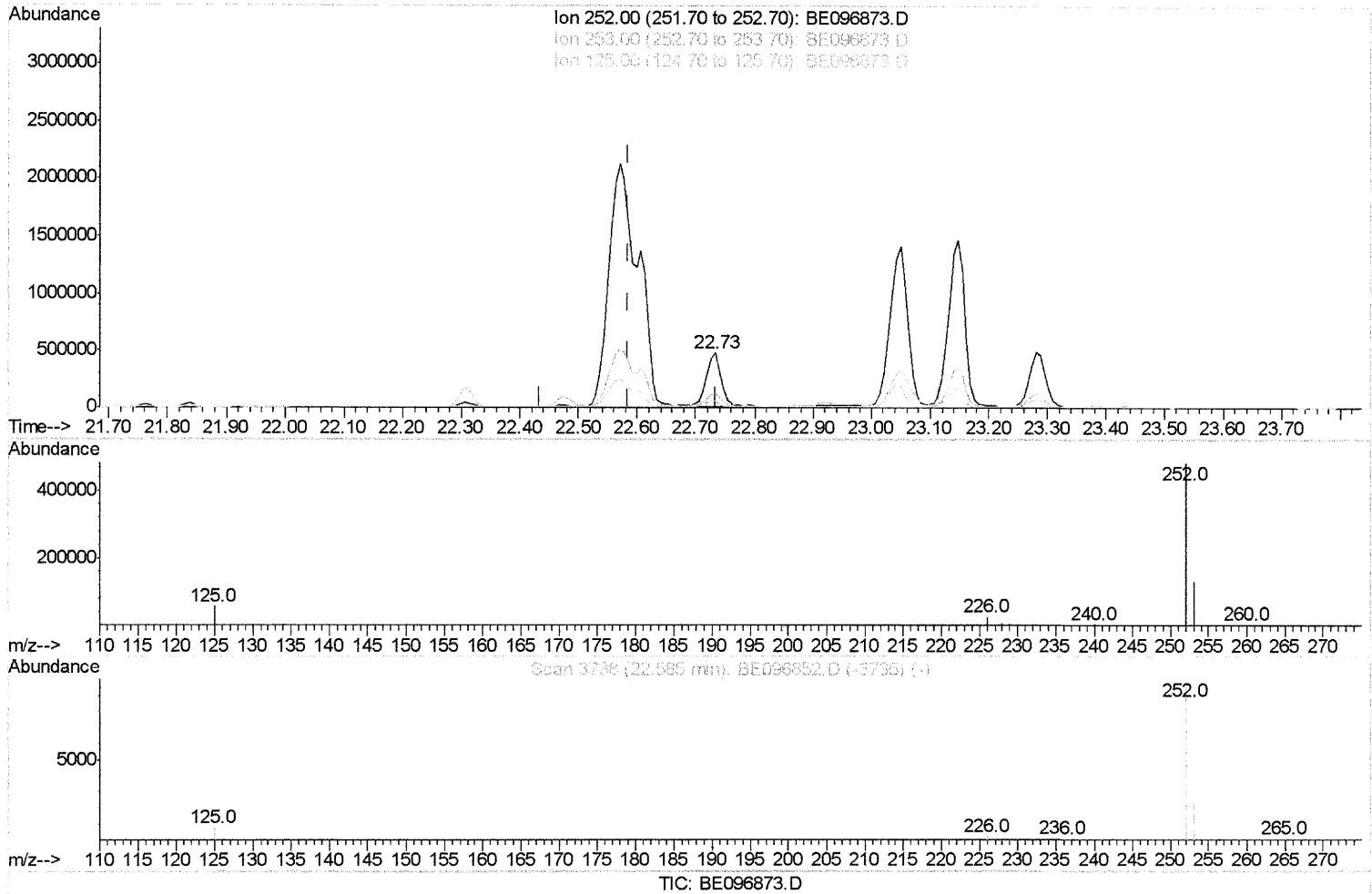
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.732min (+0.148) 7.15ng/ul

response 843205

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	27.00
125.00	17.10	11.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

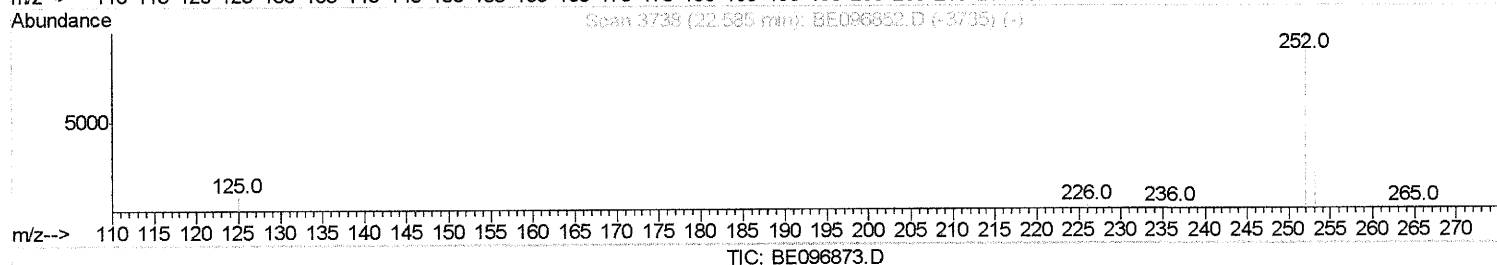
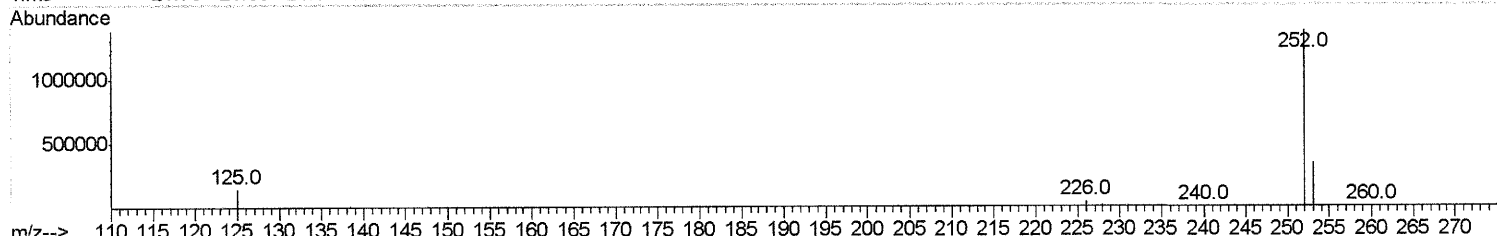
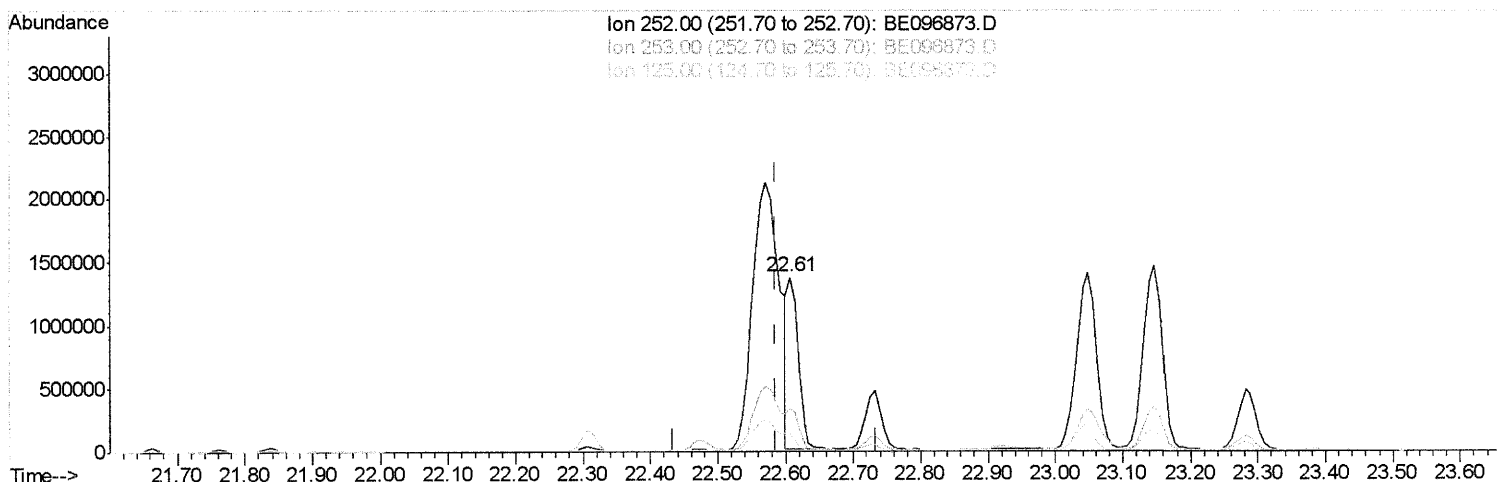
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.606min (+0.021) 12.25ng/ul m

response 1444247

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.10
125.00	17.10	10.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

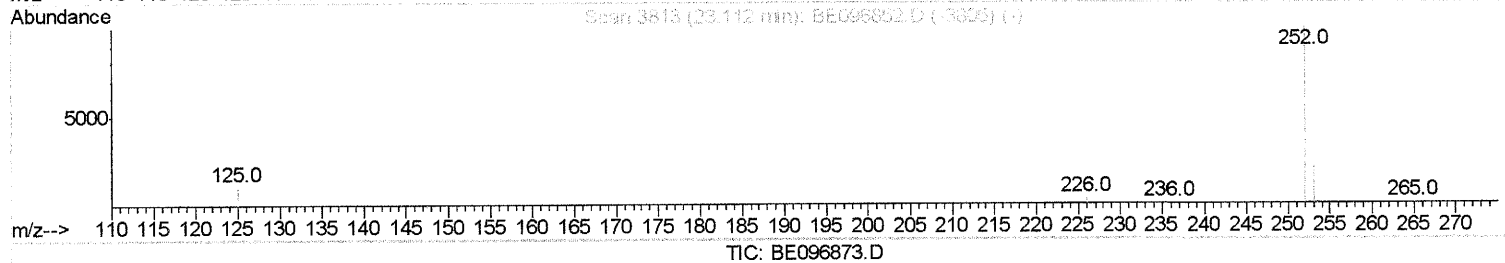
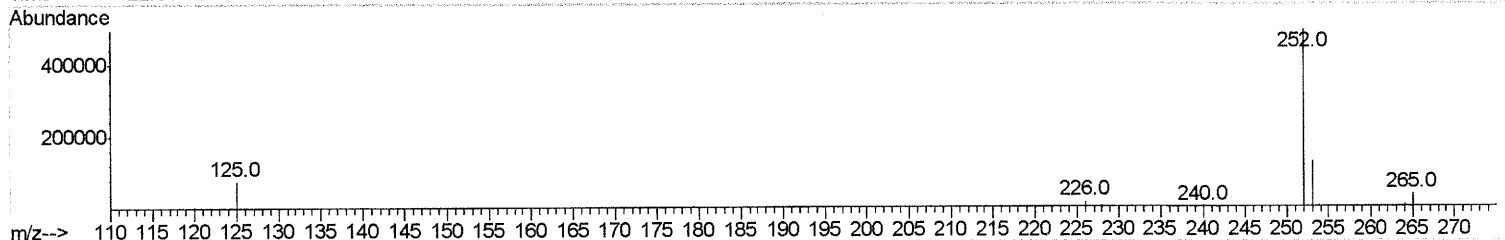
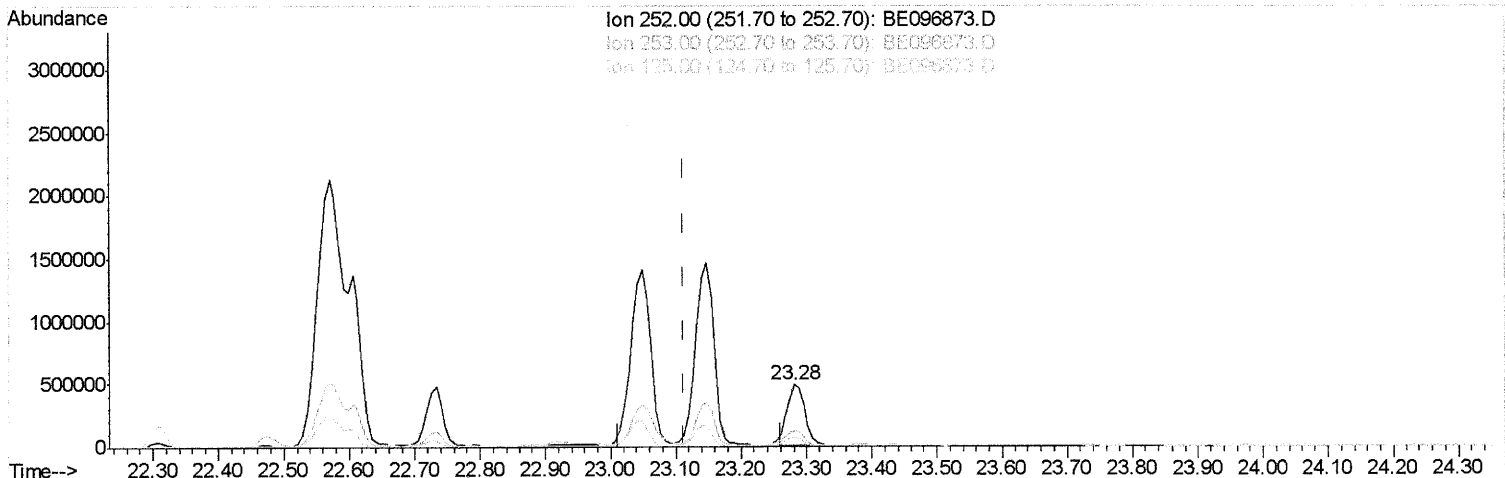
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)
 23.281min (+0.169) 10.20ng/ul
 response 931492

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.85#
125.00	22.60	15.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

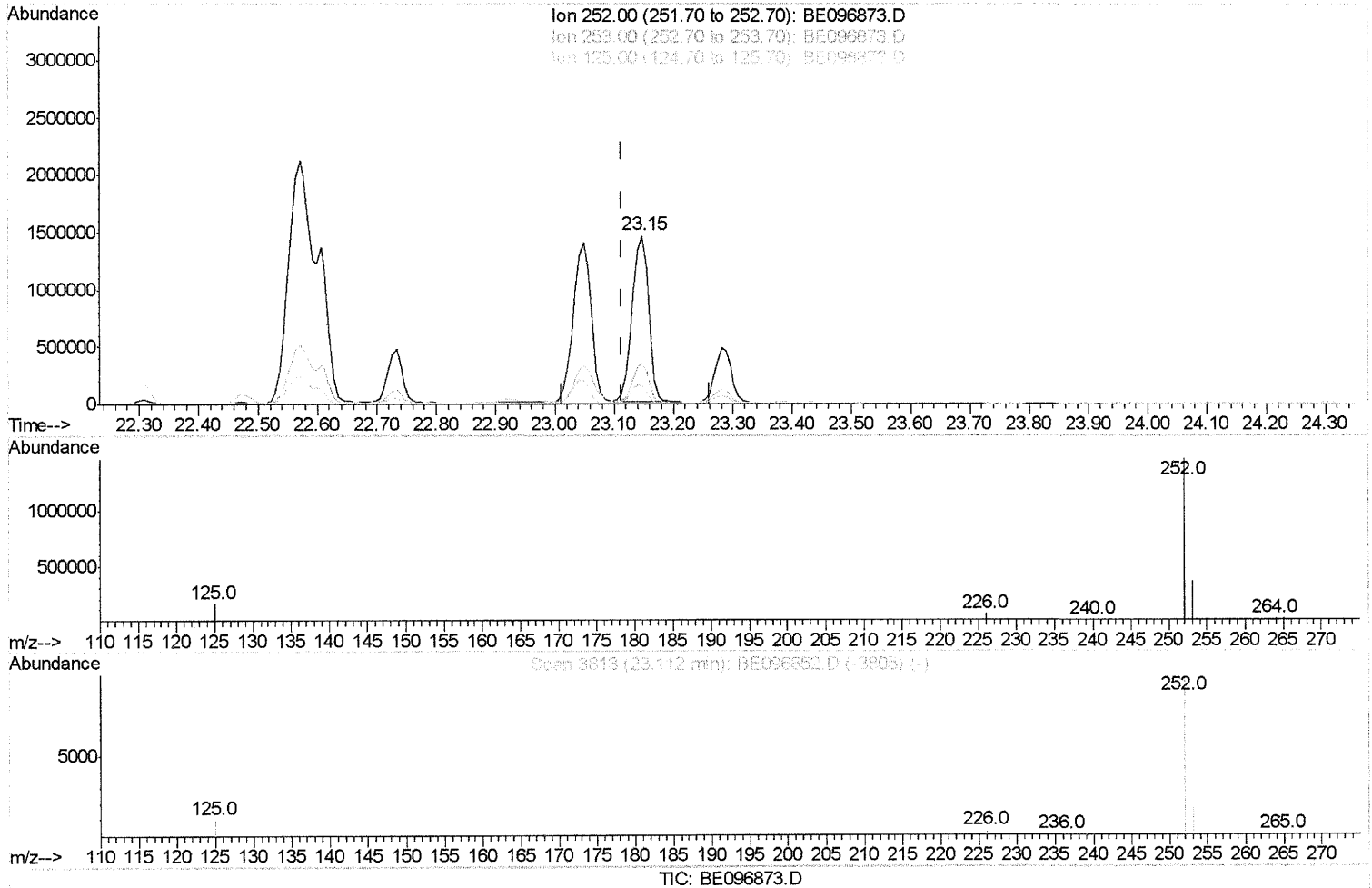
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.147min (+0.035) 30.64ng/ul m

SJ 7/11/18

response 2798771

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.41#
125.00	22.60	11.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

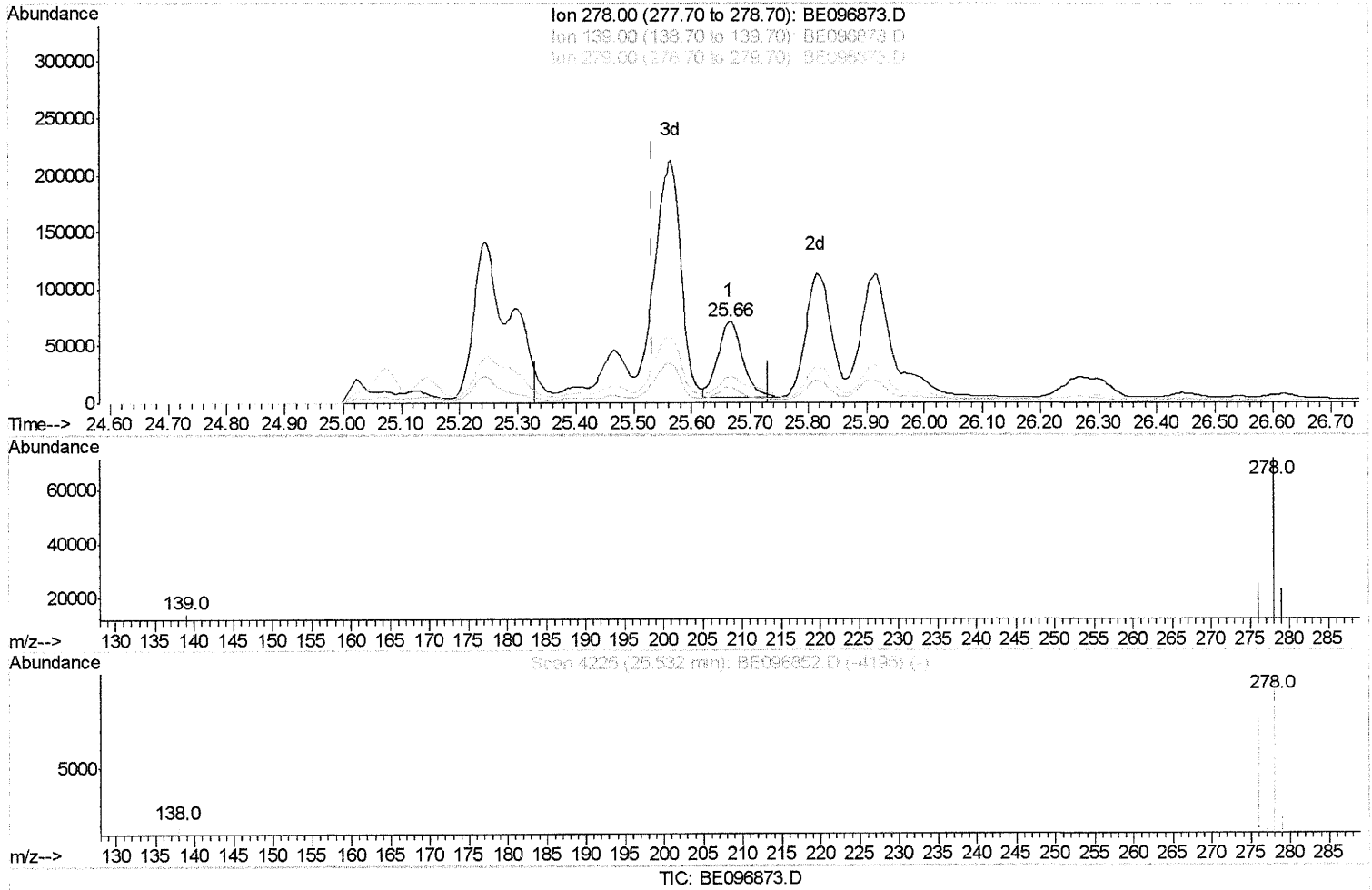
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.664min (+0.132) 2.59ng/ul

response 194759

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.30
279.00	32.40	31.64
0.00	0.00	0.00

Quantitation Report (Qedit)

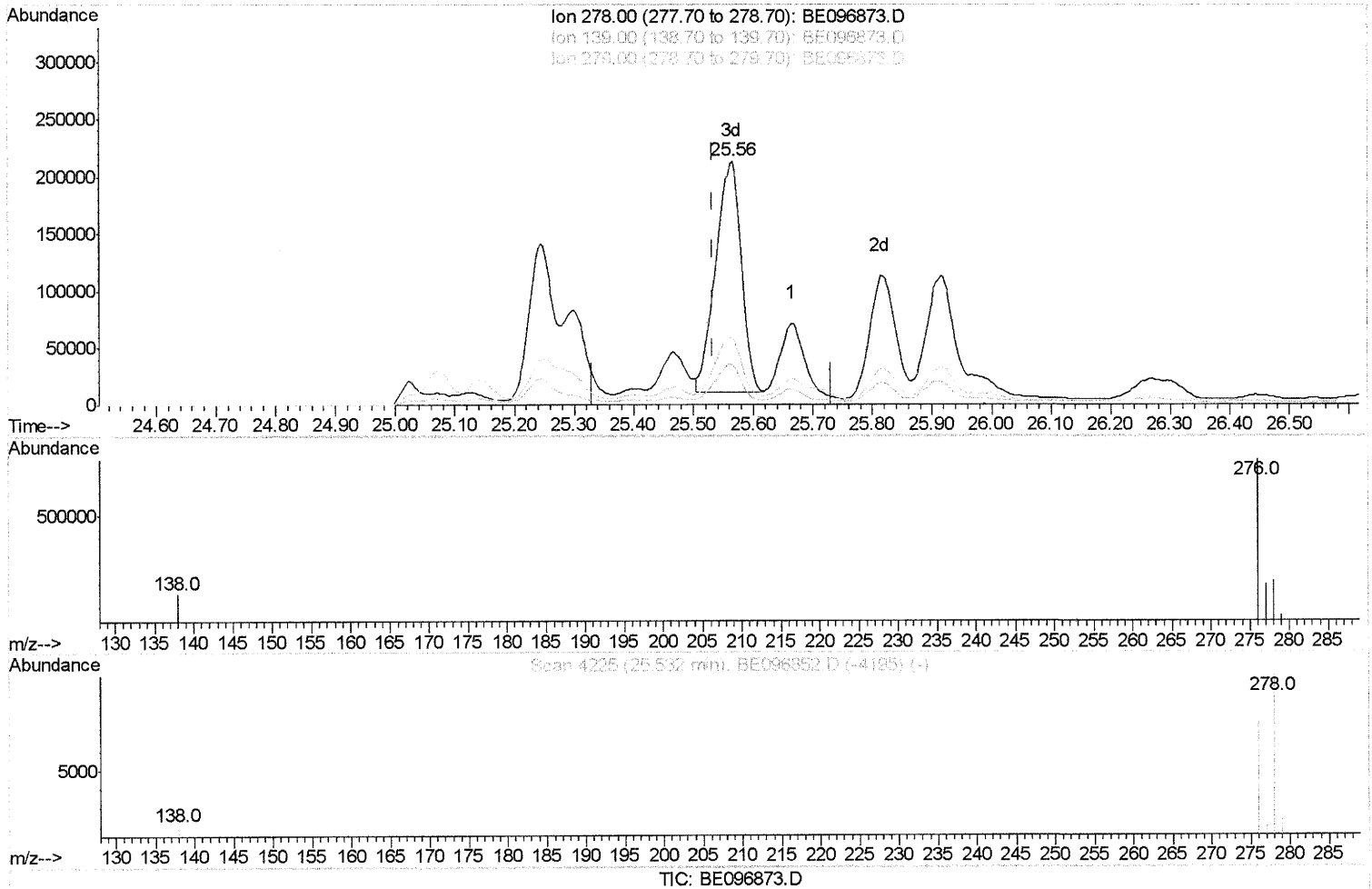
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
 Data File : BE096873.D
 Acq On : 7 Jul 2018 3:26
 Operator : SJ/JU
 Sample : J3765-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F1H07

Manual Integrations
 APPROVED

Sohil
 7/9/2018 4:14:18 PM

Quant Time: Jul 07 06:59:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 06 16:55:25 2018
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.564min (+0.032) 8.14ng/ul m

response 613546

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	16.56#
279.00	32.40	27.52
0.00	0.00	0.00

SJ 7/11/18

Quantitation Report (QT Reviewed)

Instrument :
BNA_E
ClientSampleId :
F1H07

Manual Integrations
APPROVED

Sohil
7/9/2018 4:14:18 PM

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070618\
Data File : BE096873.D
Acq On : 7 Jul 2018 3:26
Operator : SJ/JU
Sample : J3765-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 09 05:48:09 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE070618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 06 16:55:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3857	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	20960	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	13084	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	28699m	0.40	ng/ul	0.00
16) Chrysene-d12	20.99	240	27936m	0.40	ng/ul	0.01
20) Perylene-d12	23.23	264	26744m	0.40	ng/ul	0.02

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.74	152	6833	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	17194m	0.24	ng/ul	0.00

SJ 7/11/18

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.19	128	62291	1.229	ng/ul#	91
5) 2-Methylnaphthalene	11.81	142	23075	0.669	ng/ul	97
7) Acenaphthylene	13.74	152	261019	4.867	ng/ul	96
8) Acenaphthene	14.09	153	9618	0.217	ng/ul#	88
9) Fluorene	15.09	166	11374	0.249	ng/ul#	88
12) Phenanthrene	16.82	178	213124m	2.880	ng/ul	
13) Anthracene	16.91	178	312914m	4.980	ng/ul	
15) Fluoranthene	18.85	202	1372761m	17.417	ng/ul	
17) Pyrene	19.21	202	1912123	20.852	ng/ul#	83
18) Benzo(a)anthracene	20.97	228	1600097m	24.283	ng/ul	96
19) Chrysene	21.02	228	2208542	25.871	ng/ul	96
21) Benzo(b)fluoranthene	22.57	252	5806846m	79.554	ng/ul	
22) Benzo(k)fluoranthene	22.61	252	1444247m	18.123	ng/ul	
23) Benzo(a)pyrene	23.15	252	2798771m	45.332	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.56	276	2462673	38.426	ng/ul#	75
25) Dibenzo(a,h)anthracene	25.56	278	613546m	12.051	ng/ul	
26) Benzo(g,h,i)perylene	26.26	276	2087255	33.553	ng/ul#	94

} SJ 7/11/18
SJ 7/11/18
SJ 7/11/18
SJ 7/11/18

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