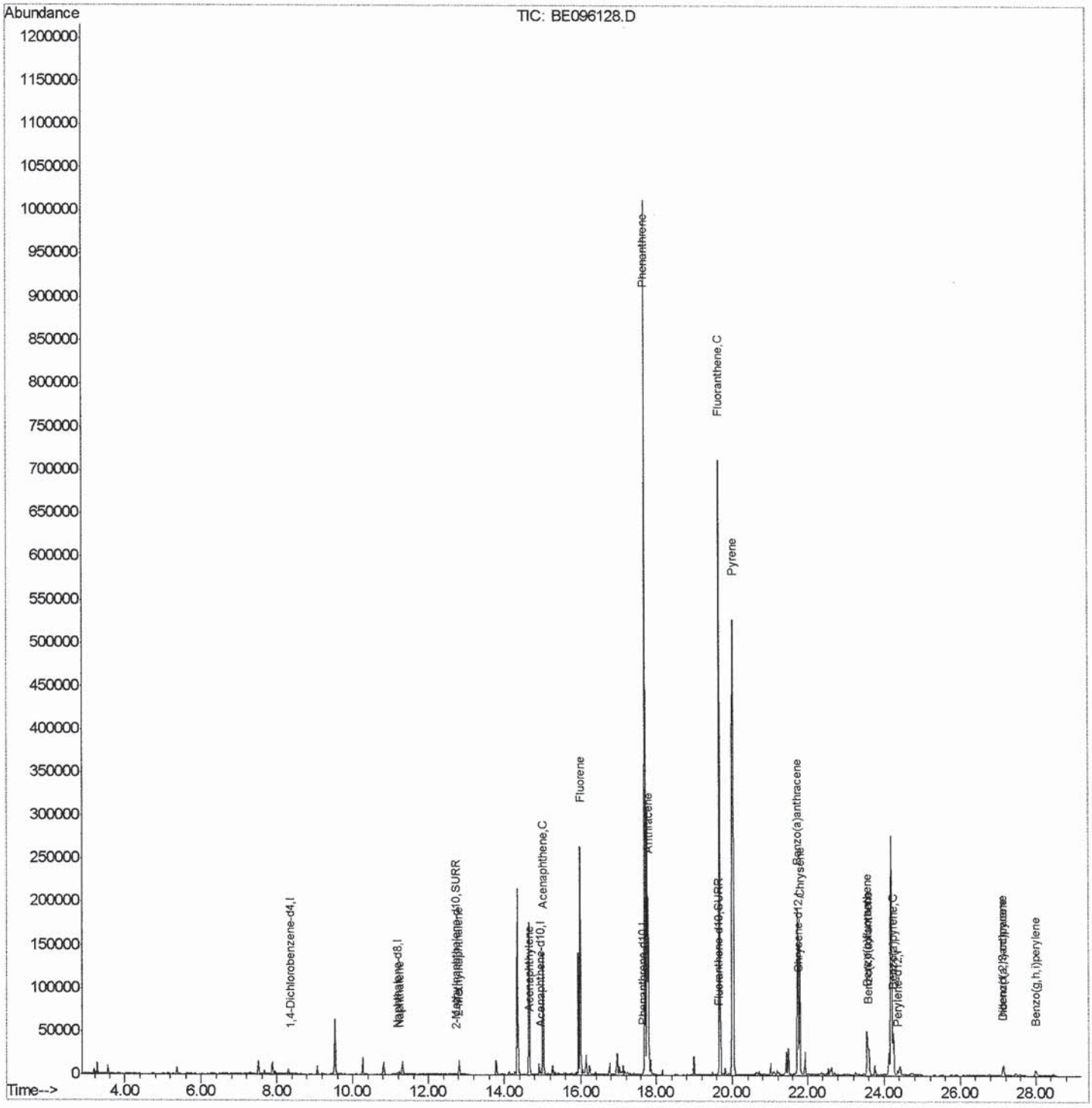
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

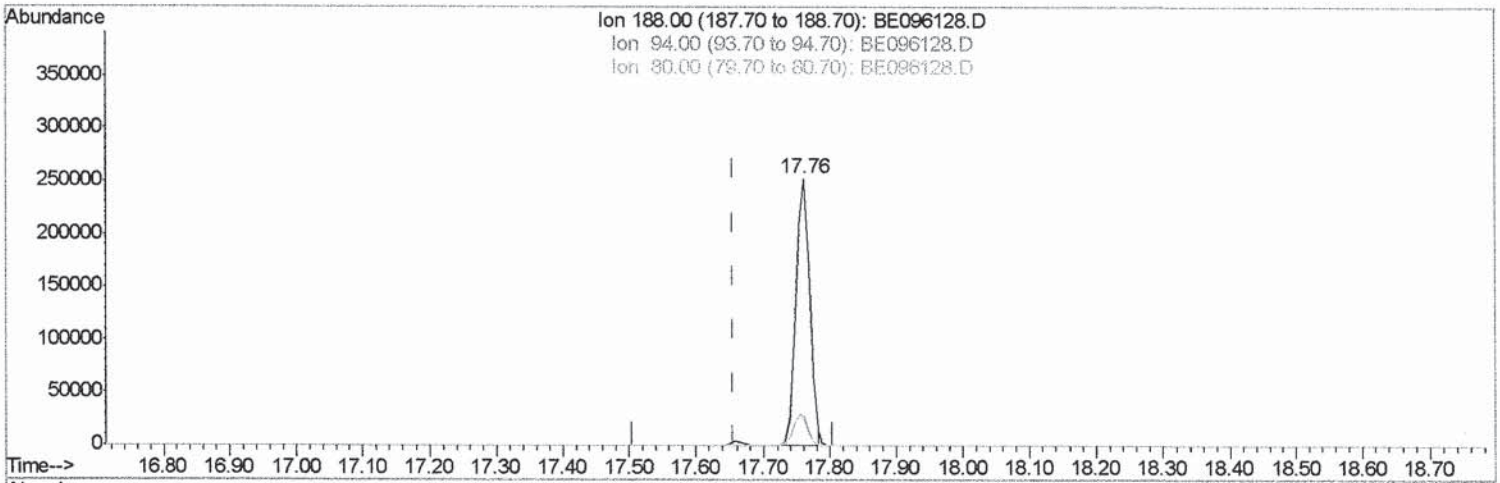
Quant Time: Apr 25 05:56:23 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration

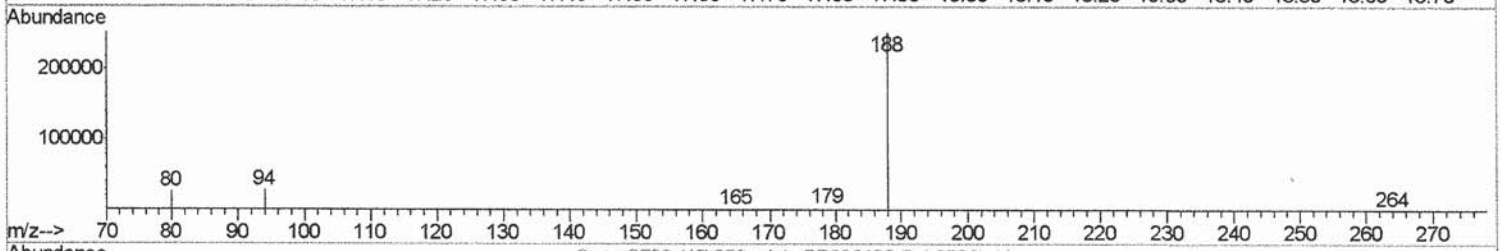


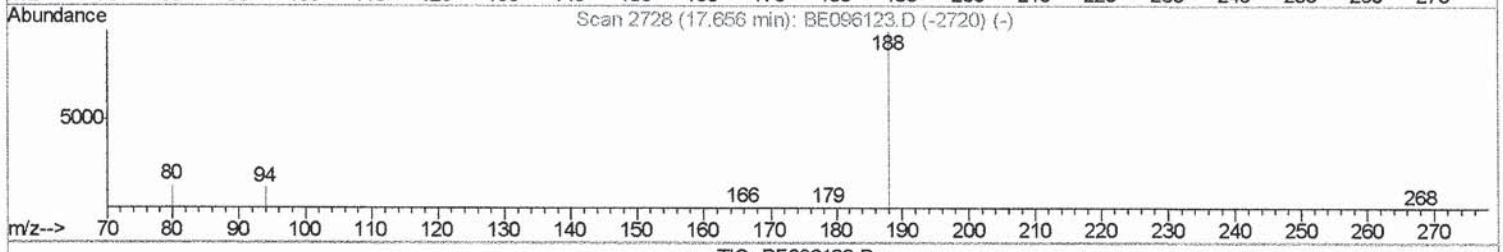
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:28:39 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration







TIC: BE096128.D

(10) Phenanthrene-d10 (I)

17.760min (+0.105) 0.40ng/ul

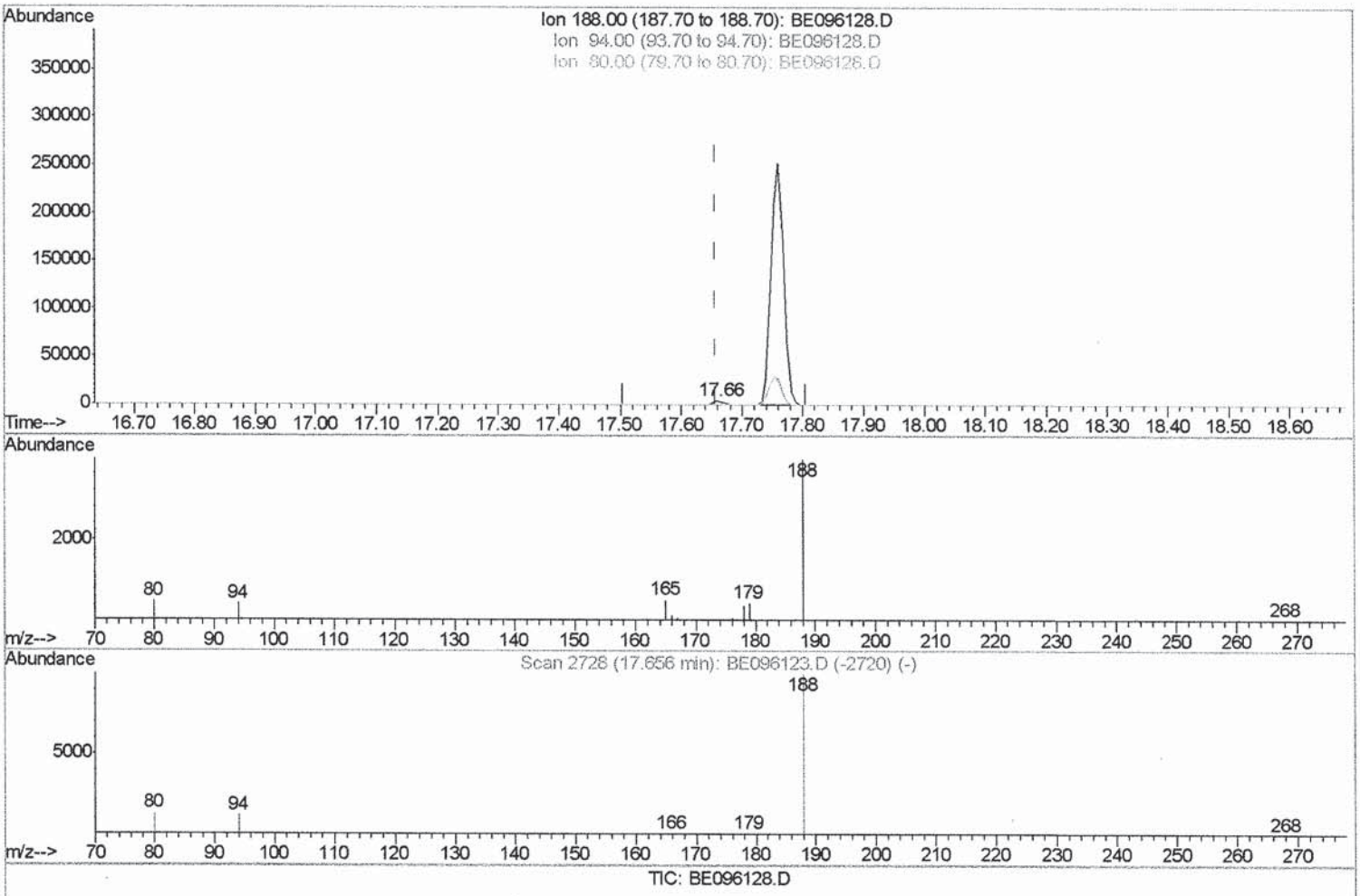
response 358739

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.77
80.00	11.80	10.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:28:39 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(10) Phenanthrene-d10 (I)

17.662min (+0.006) 0.40ng/ul m

JL 04/27/18

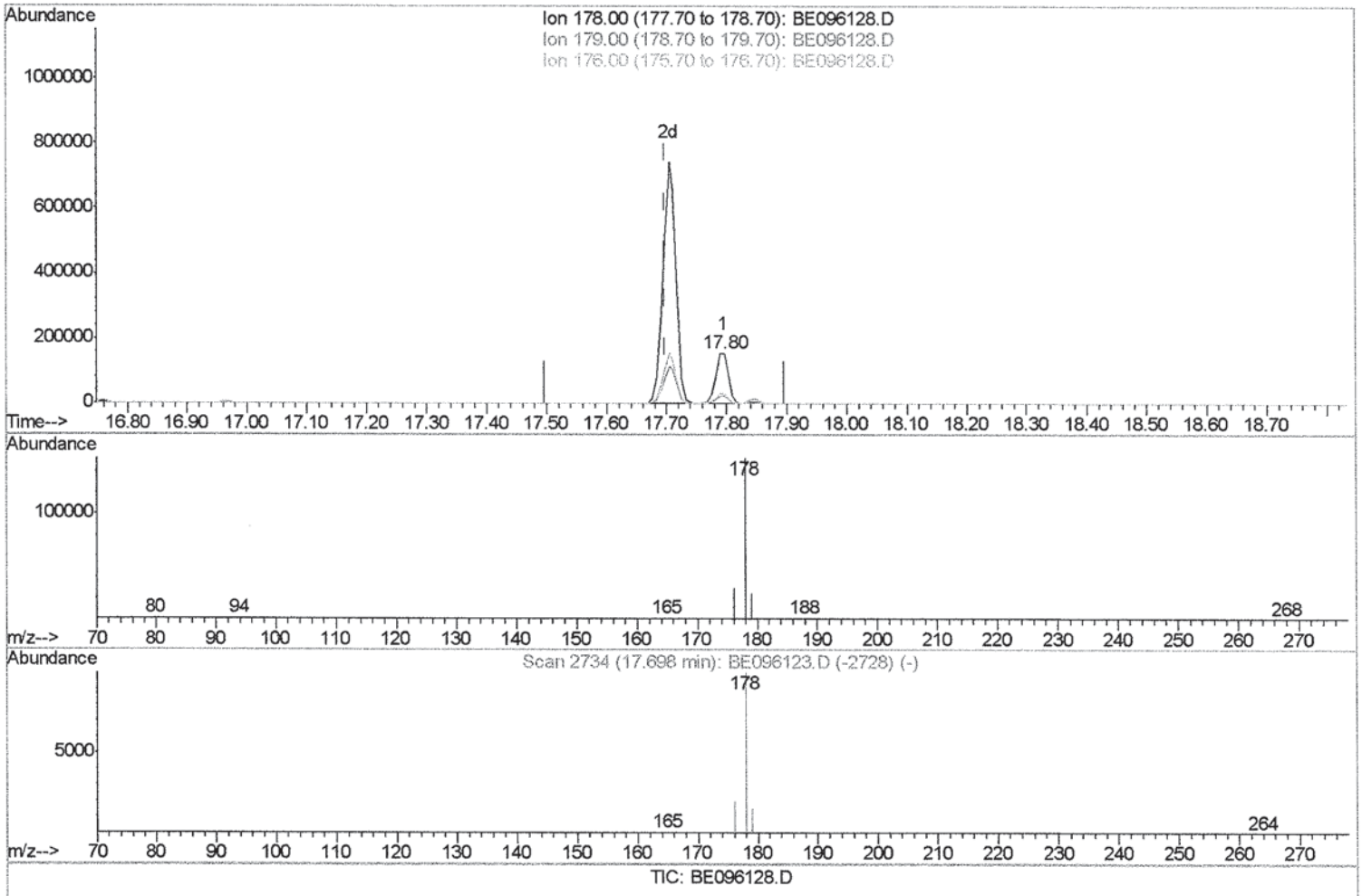
response 6003

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	11.06
80.00	11.80	12.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(12) Phenanthrene

17.795min (+0.098) 12.50ng/ul

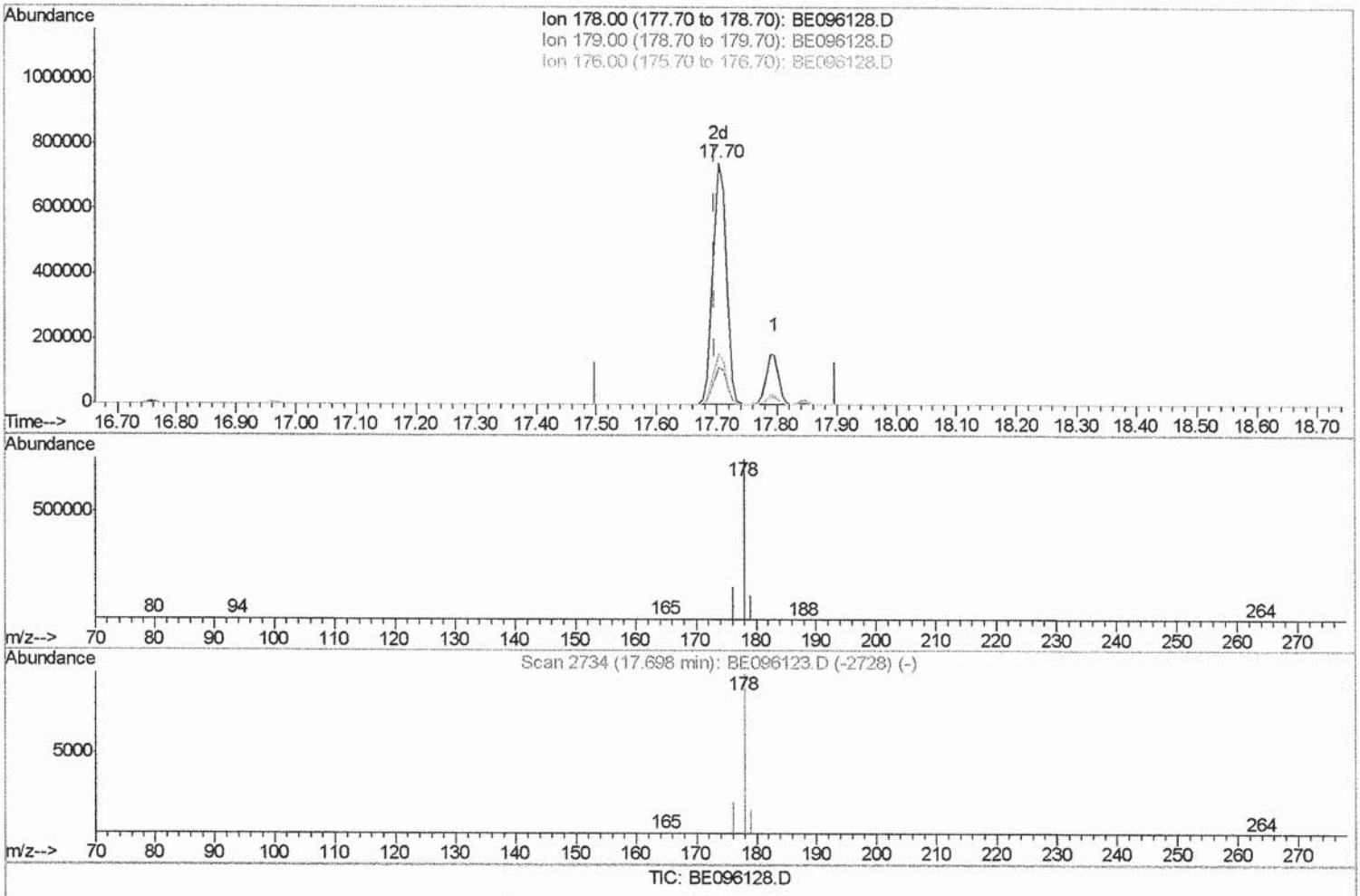
response 220964

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.53#
176.00	17.00	18.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(12) Phenanthrene

17.704min (+0.006) 64.50ng/ul m

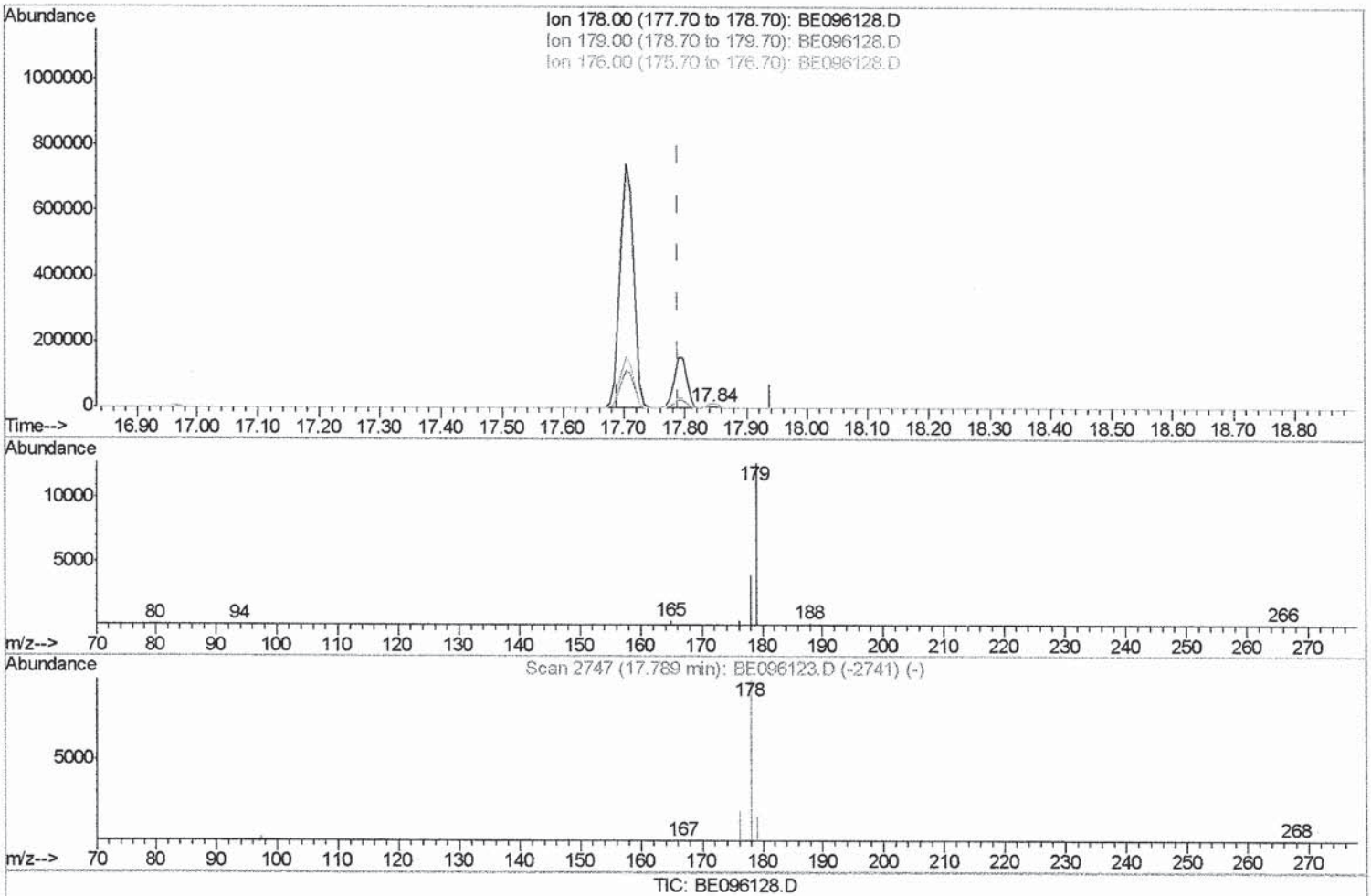
response 1139931

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.44#
176.00	17.00	20.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(13) Anthracene

17.845min (+0.055) 0.26ng/ul

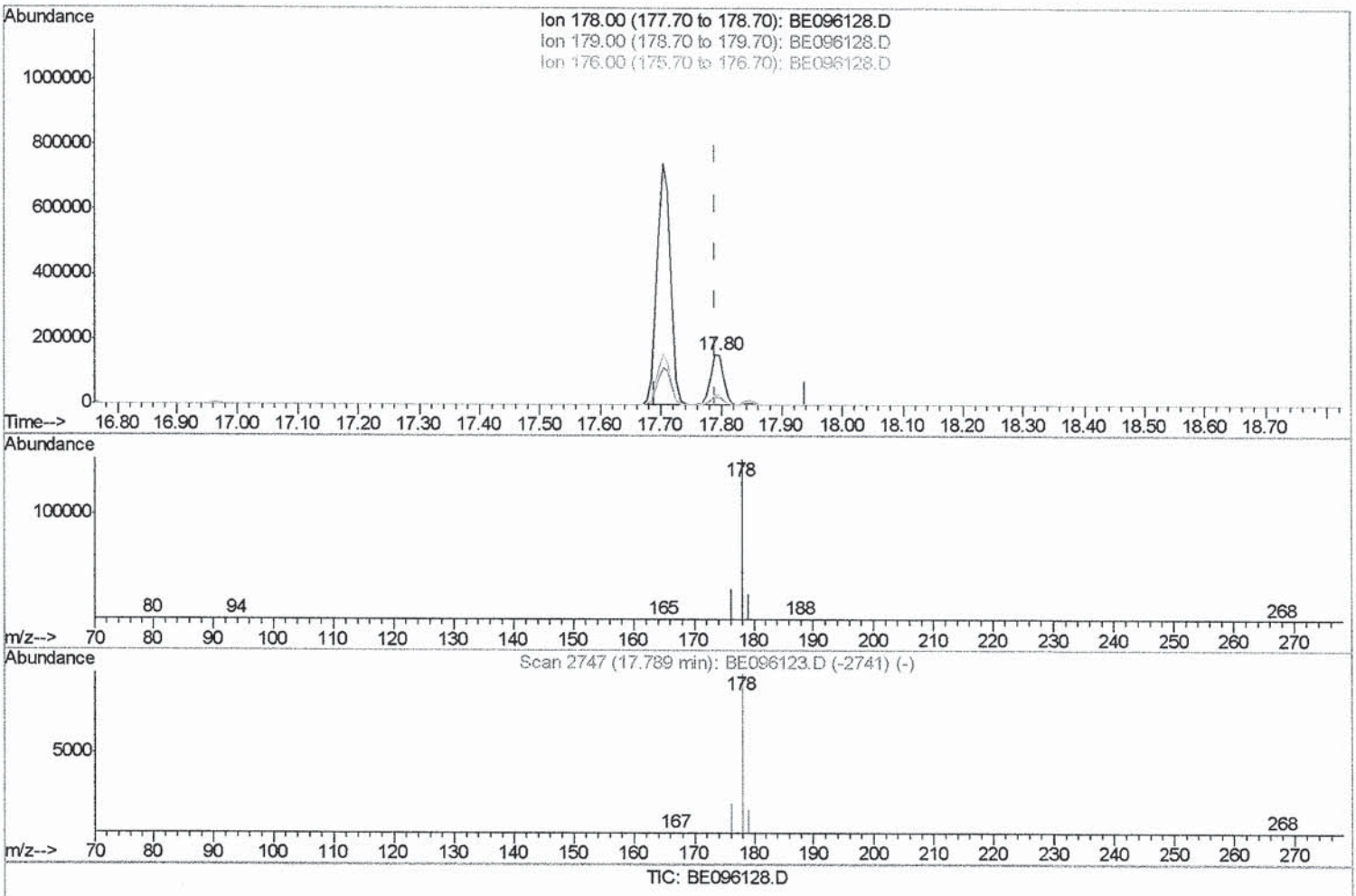
response 4560

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	321.52#
176.00	18.40	10.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(13) Anthracene

17.795min (+0.006) 12.45ng/ul m

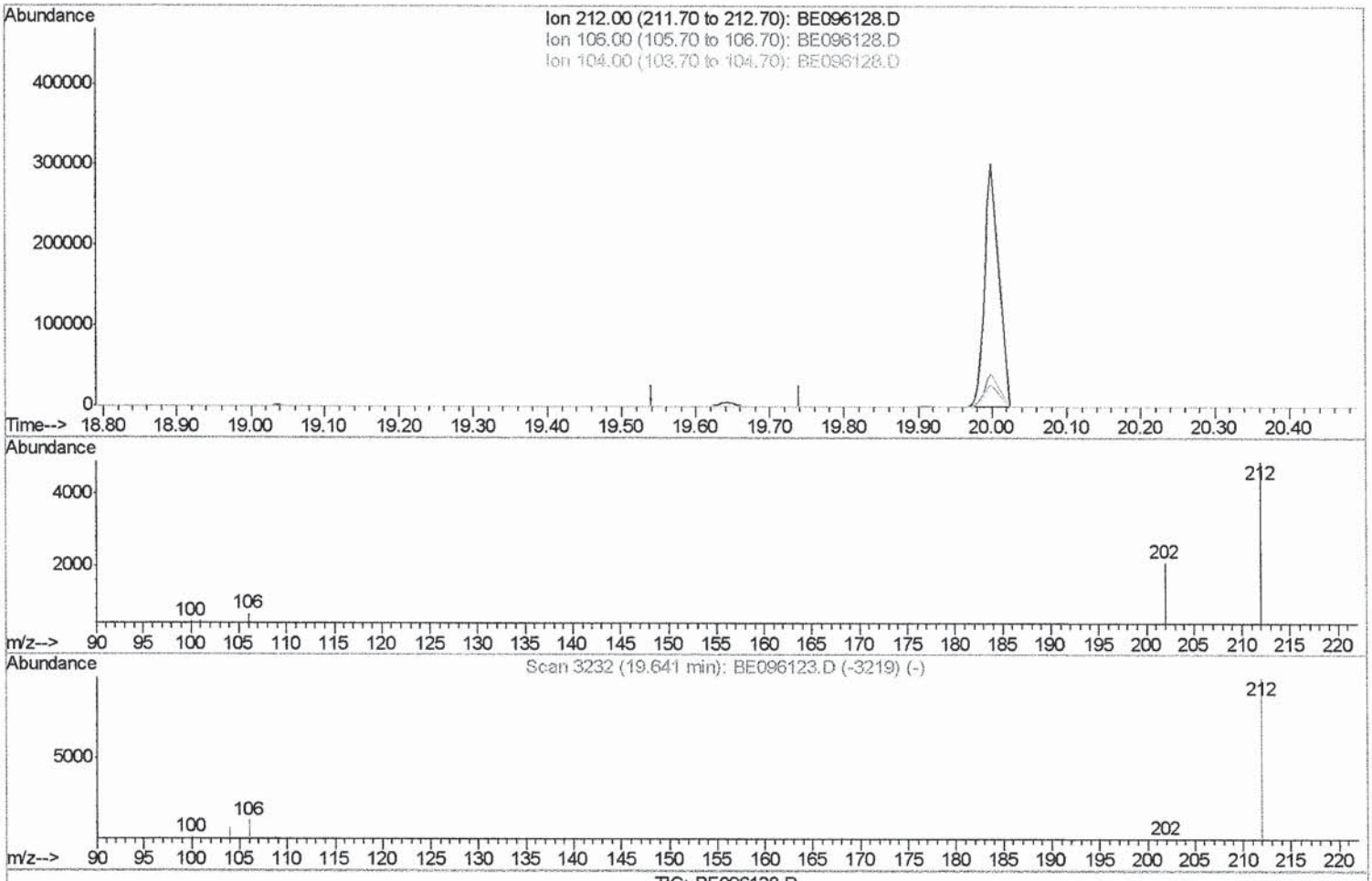
response 220838

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	15.53#
176.00	18.40	18.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(14) Fluoranthene-d10 (SURR)

19.641min (-19.641) 0.00ng/ul

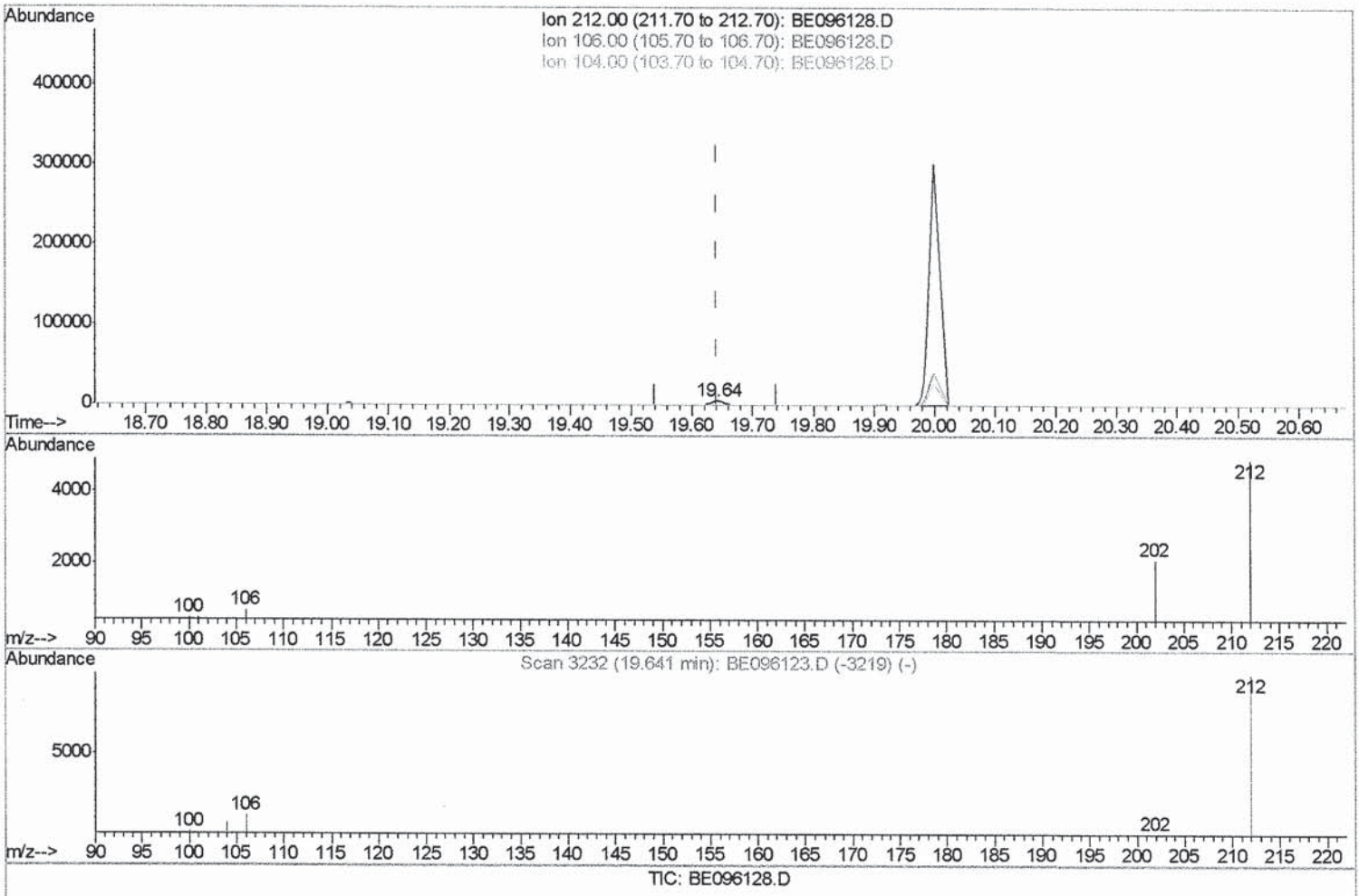
response 0

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

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(14) Fluoranthene-d10 (SURR)

19.642min (+0.001) 0.24ng/ul m

response 6746

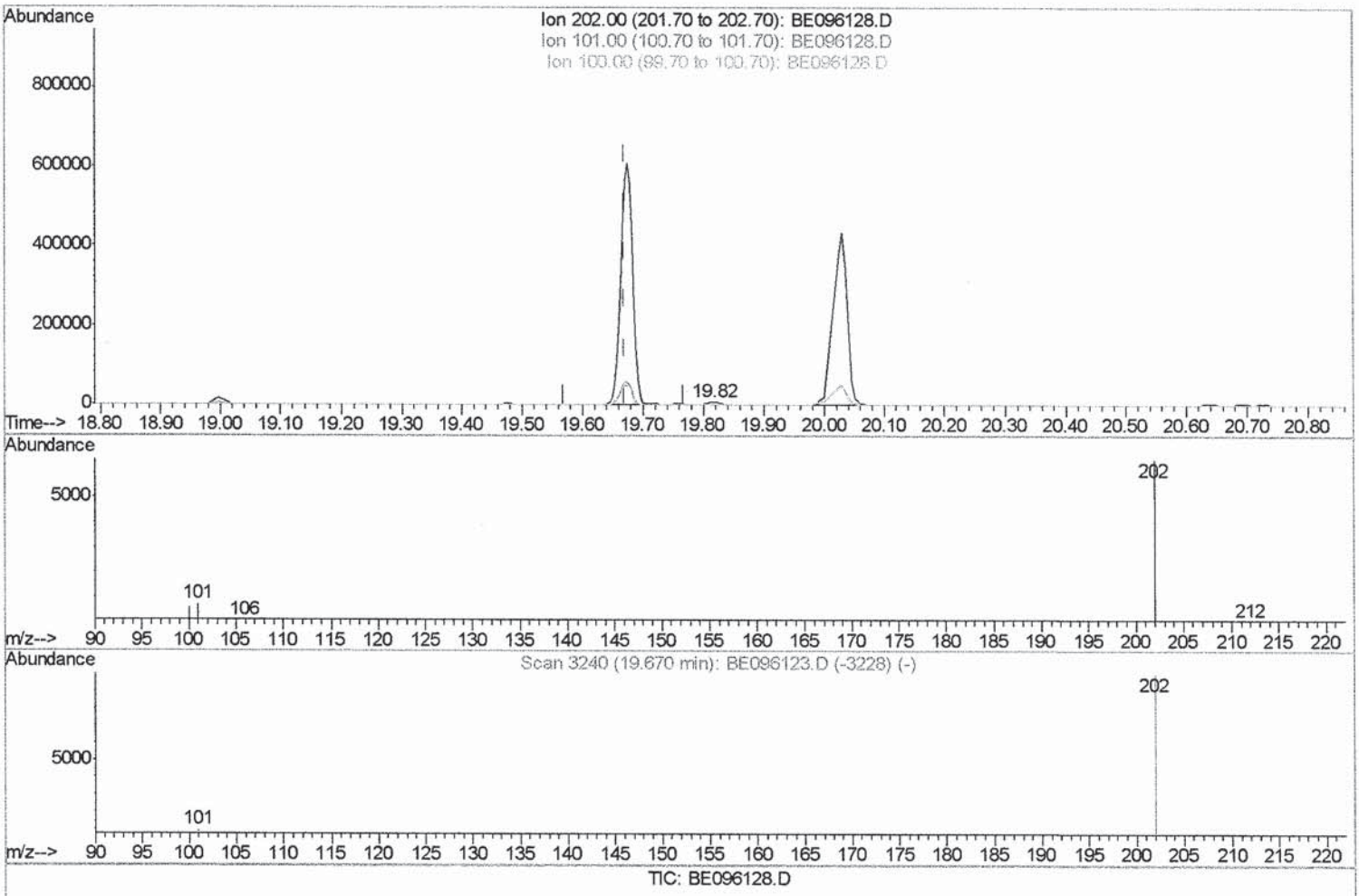
DL 4/27/18

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

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(15) Fluoranthene (C)

19.817min (+0.147) 0.32ng/ul

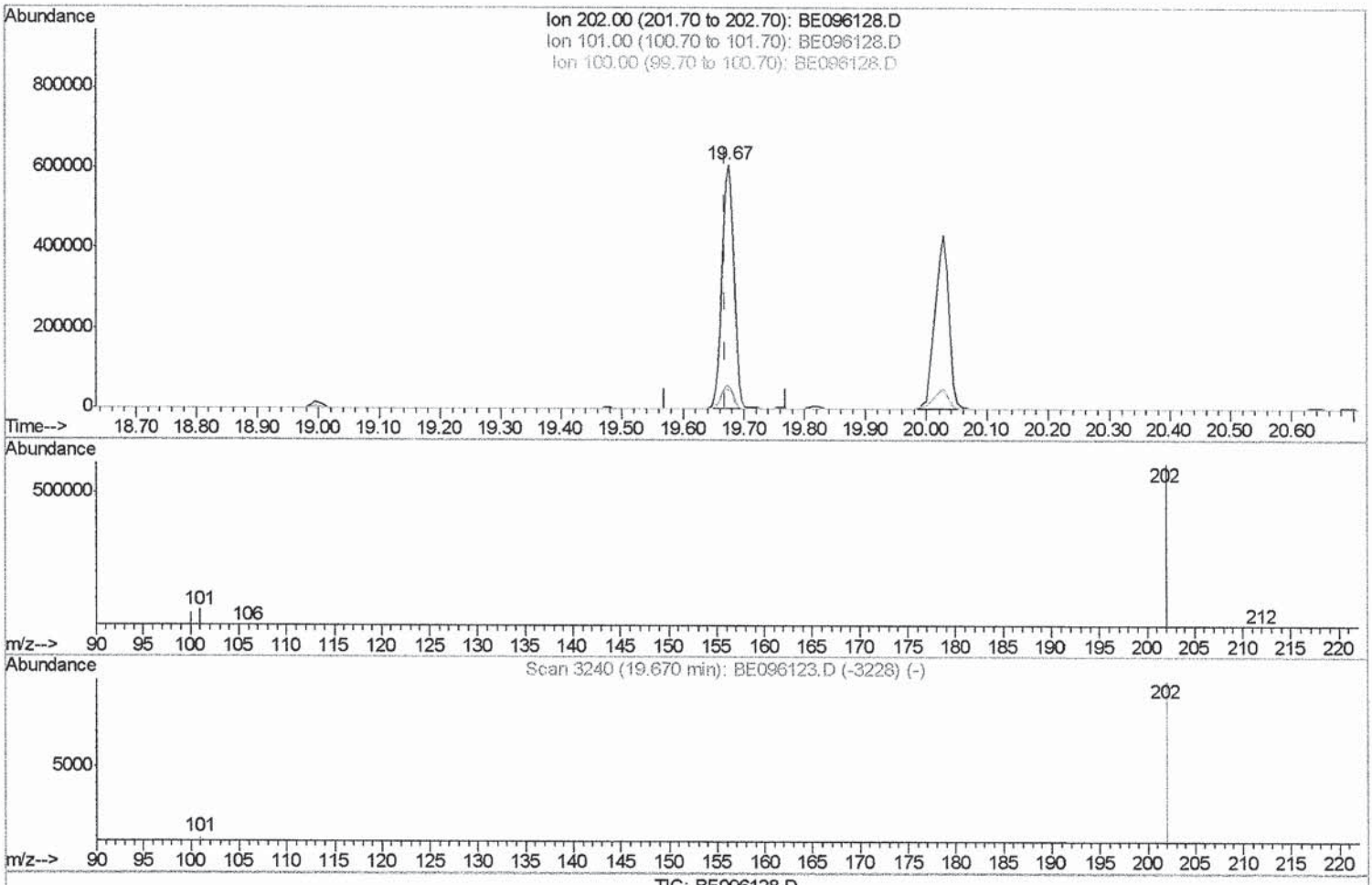
response 8556

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	10.80
100.00	19.50	8.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(15) Fluoranthene (C)

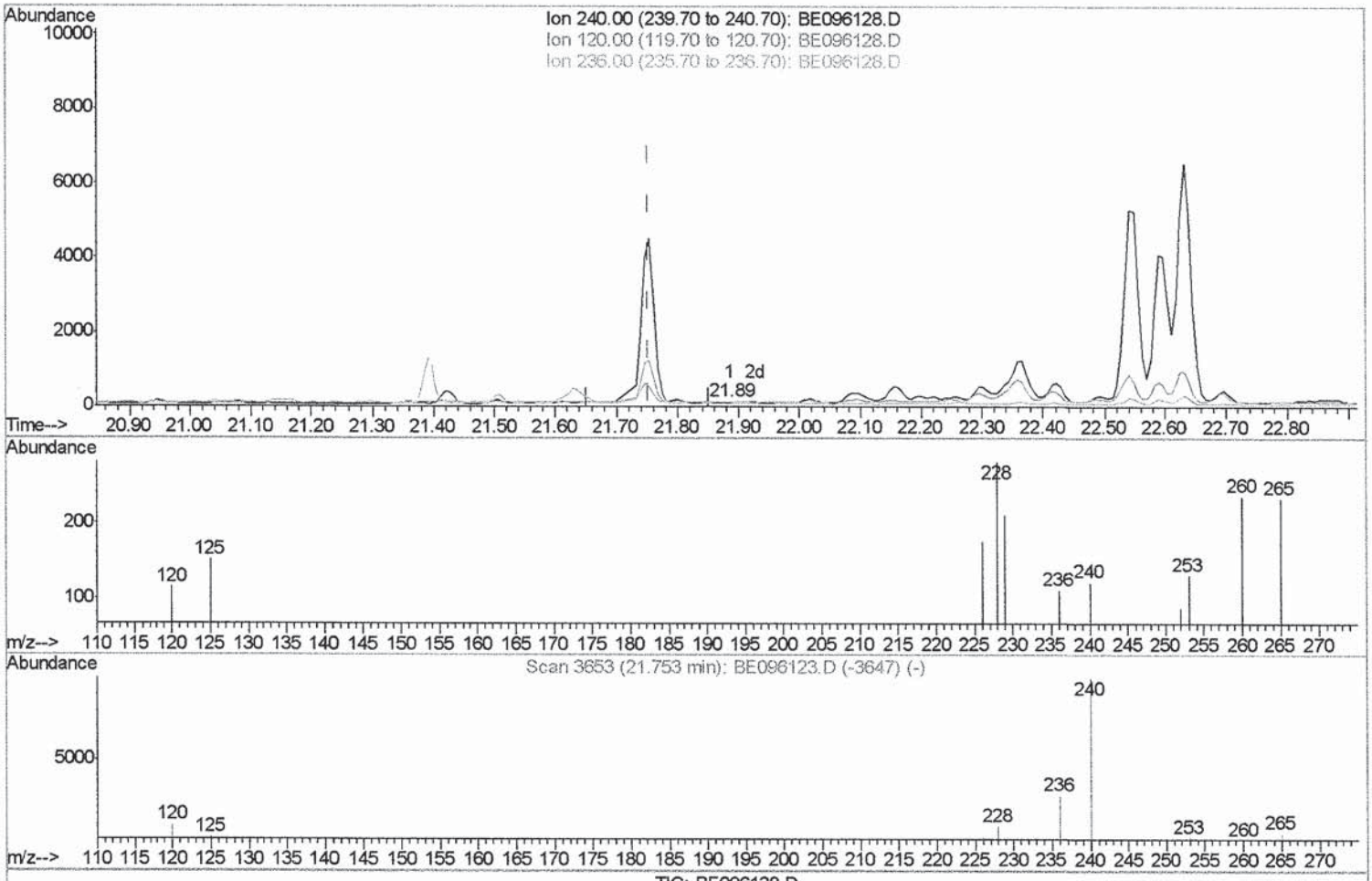
19.674min (+0.004) 30.42ng/ul m

response 821764

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	9.33
100.00	19.50	7.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(16) Chrysene-d12 (I)

21.887min (+0.134) 0.40ng/ul

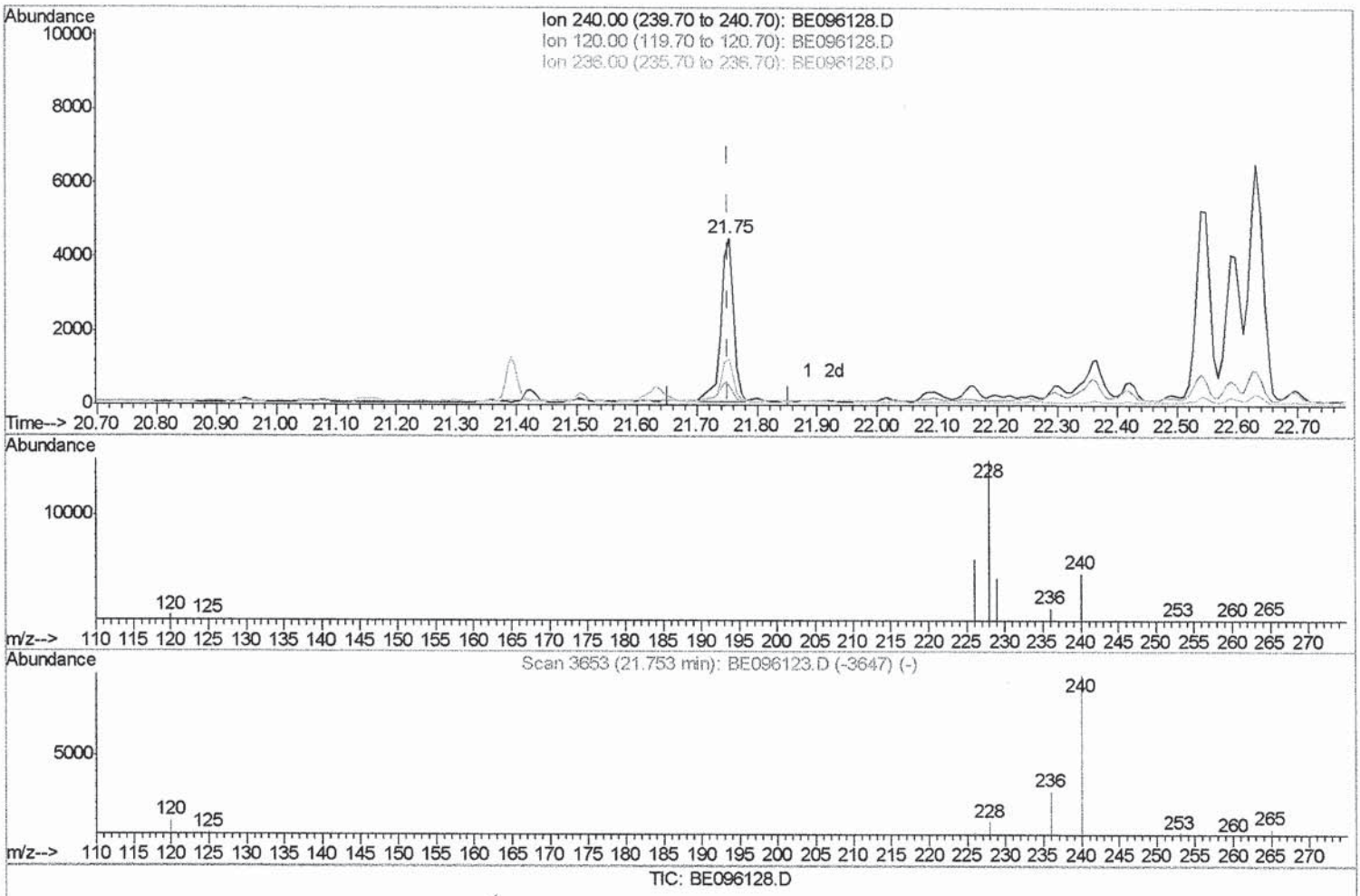
response 74

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	94.21#
236.00	34.90	90.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:52:42 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(16) Chrysene-d12 (I)

21.753min (+0.000) 0.40ng/ul m

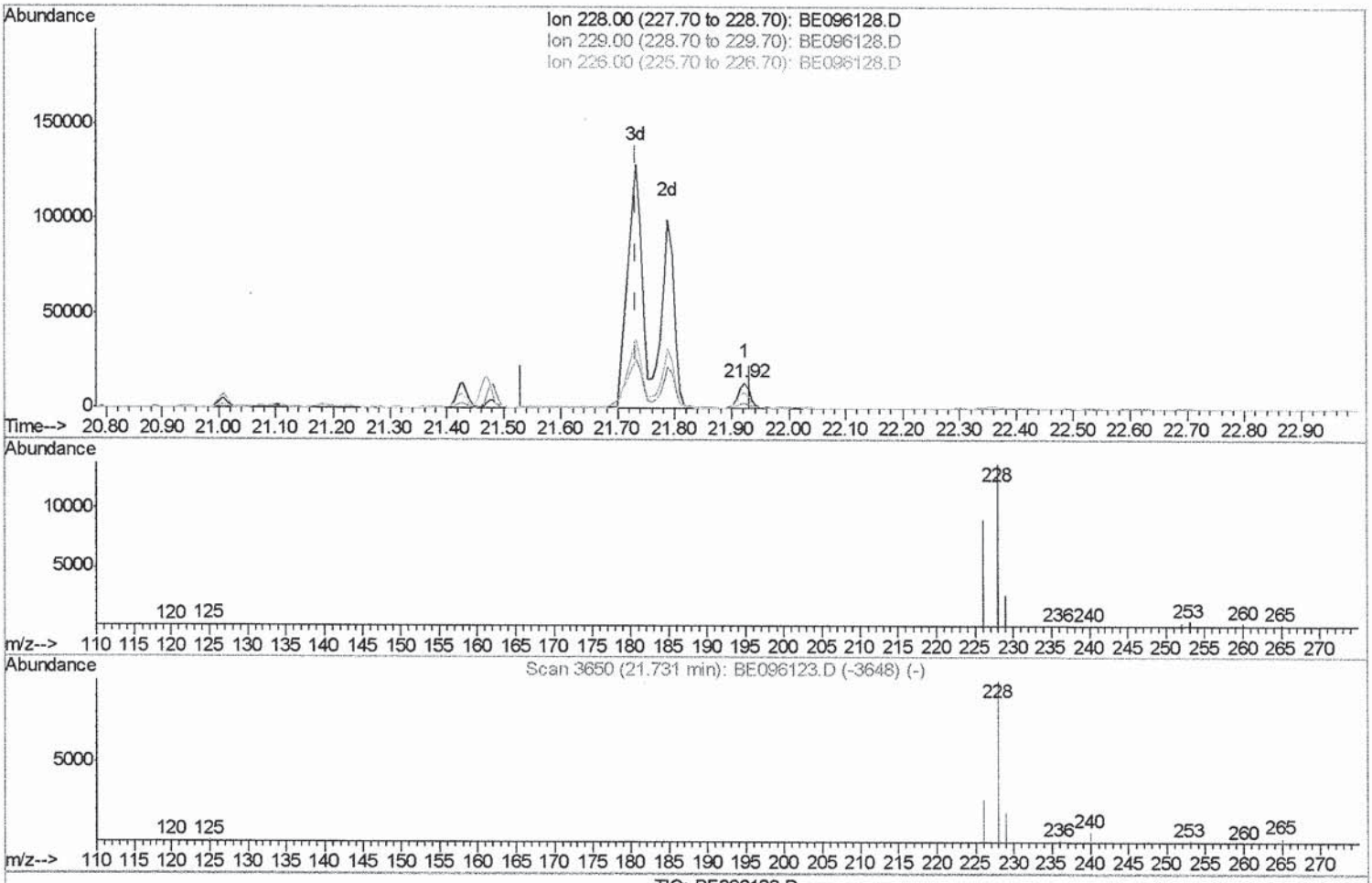
JU 04/27/18

response 9009

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	12.12#
236.00	34.90	27.69#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:54:19 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(18) Benzo(a)anthracene

21.922min (+0.190) 0.70ng/ul

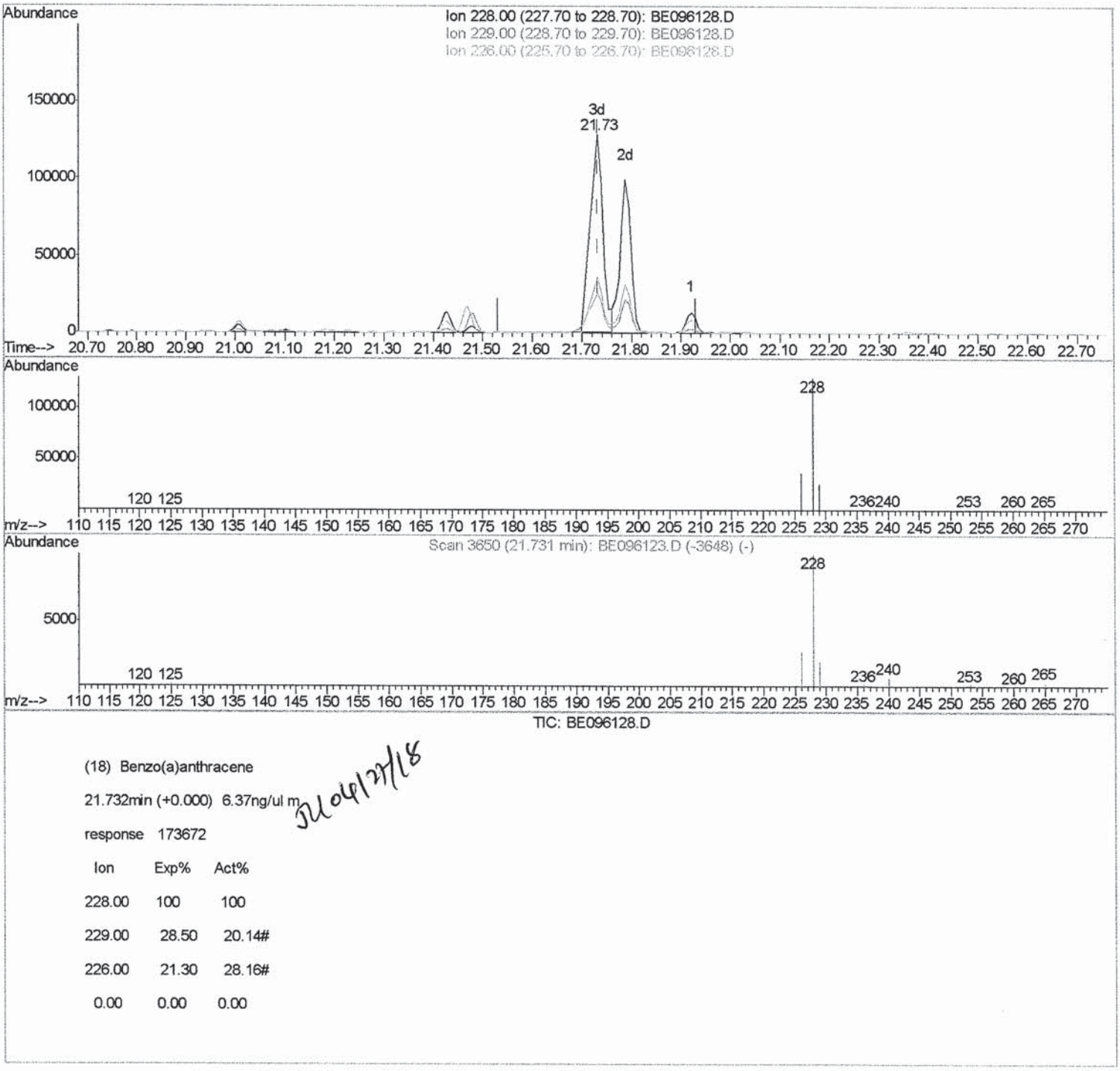
response 19211

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	19.53#
226.00	21.30	65.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:54:19 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(18) Benzo(a)anthracene

21.732min (+0.000) 6.37ng/ul m

JU 04/27/18

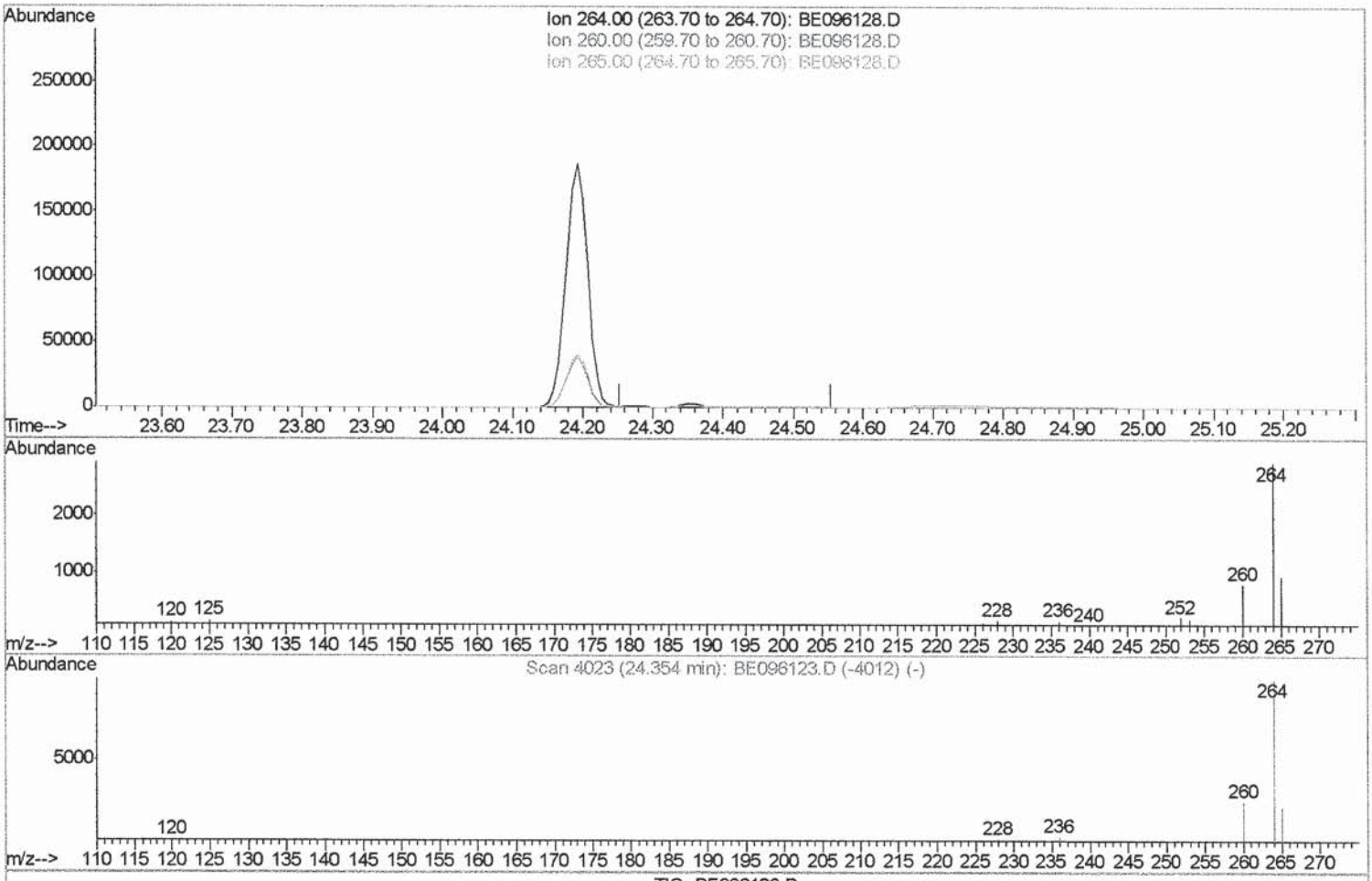
response 173672

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	20.14#
226.00	21.30	28.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:54:19 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(20) Perylene-d12 (I)

24.354min (-24.354) 0.00ng/ul

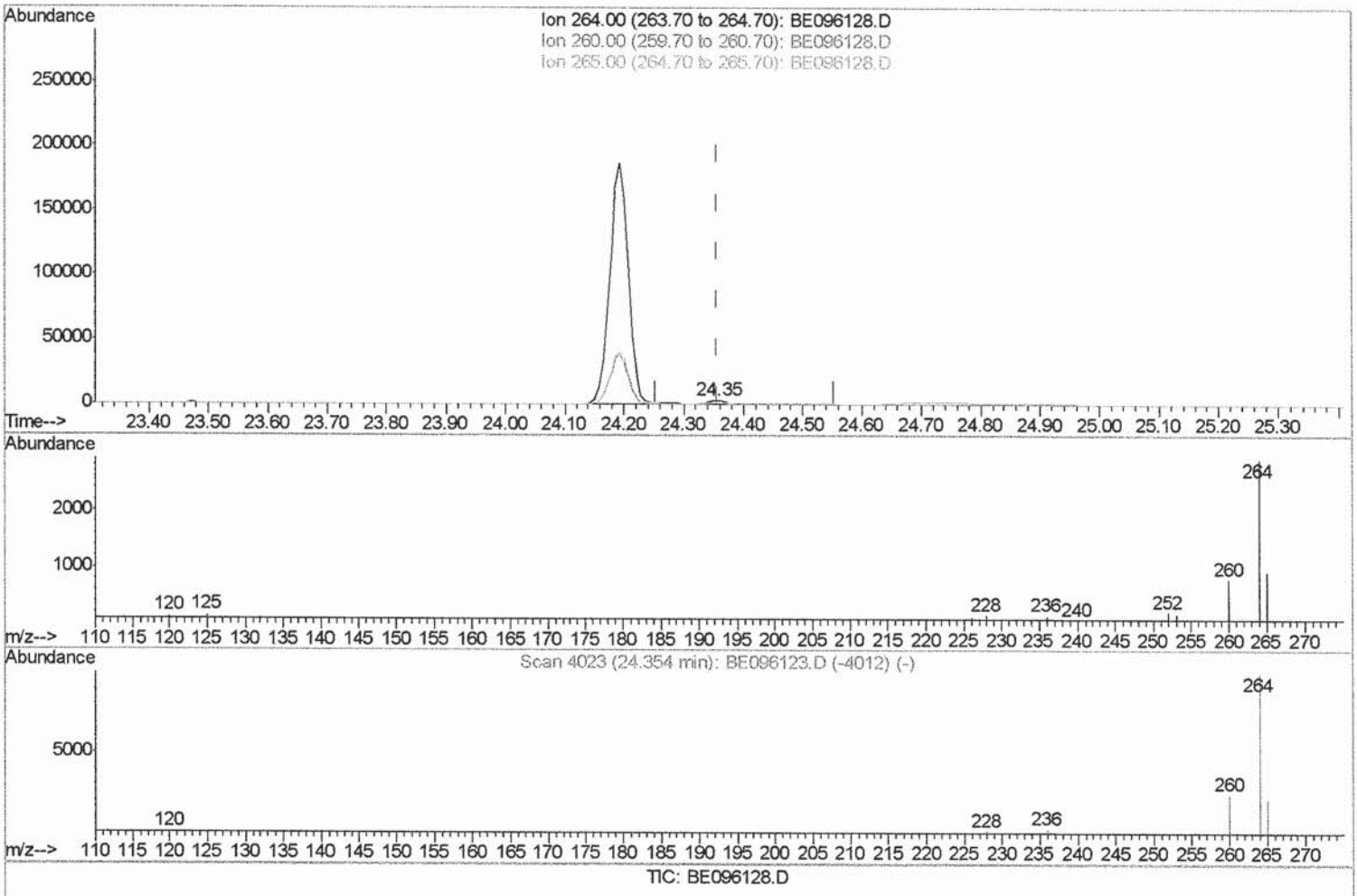
response 0

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

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:54:19 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(20) Perylene-d12 (I)

24.355min (+0.000) 0.40ng/ul m

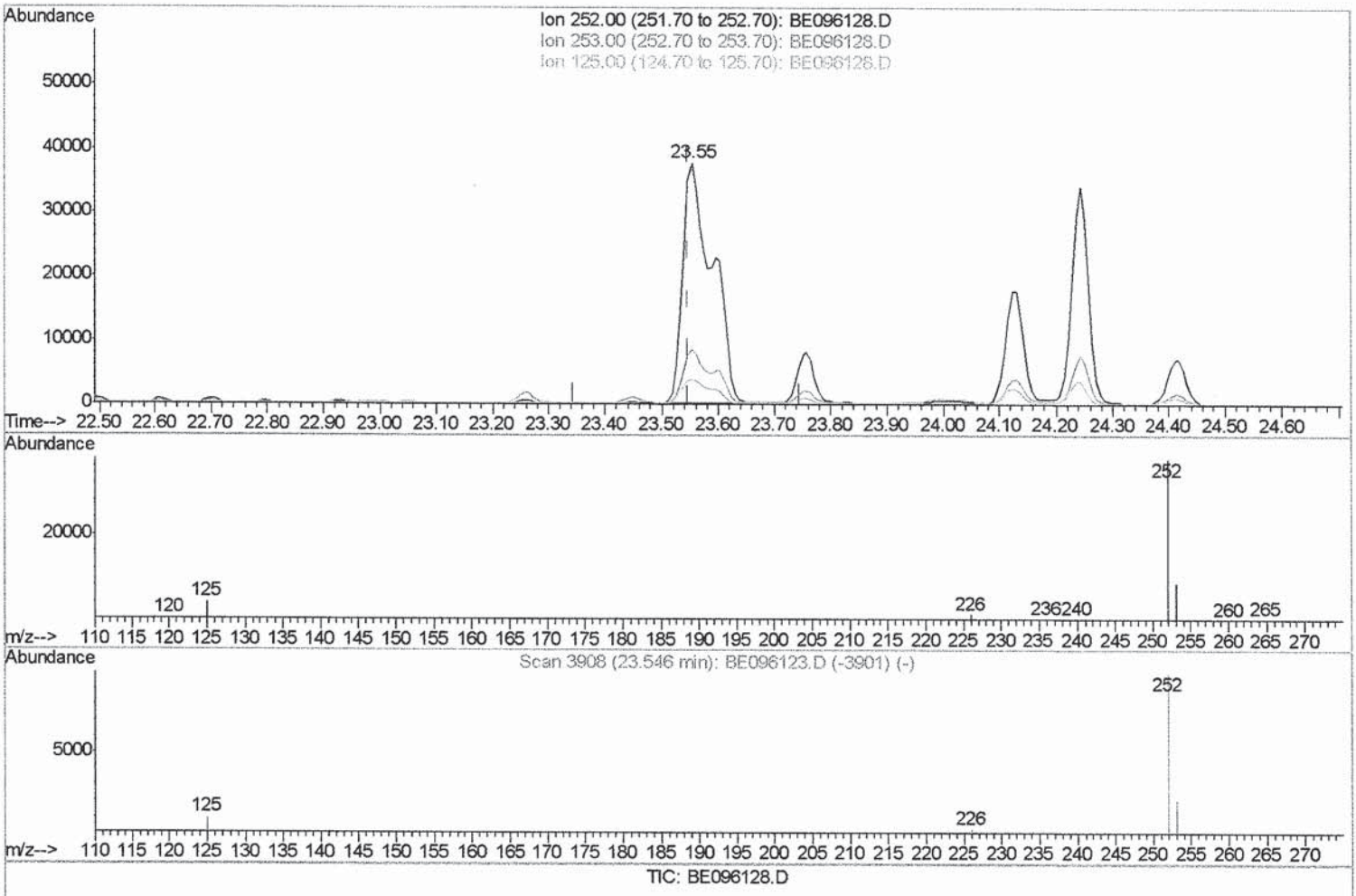
response 5635

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	27.27
265.00	103.50	32.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:55:26 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(21) Benzo(b)fluoranthene

23.553min (+0.007) 6.42ng/ul

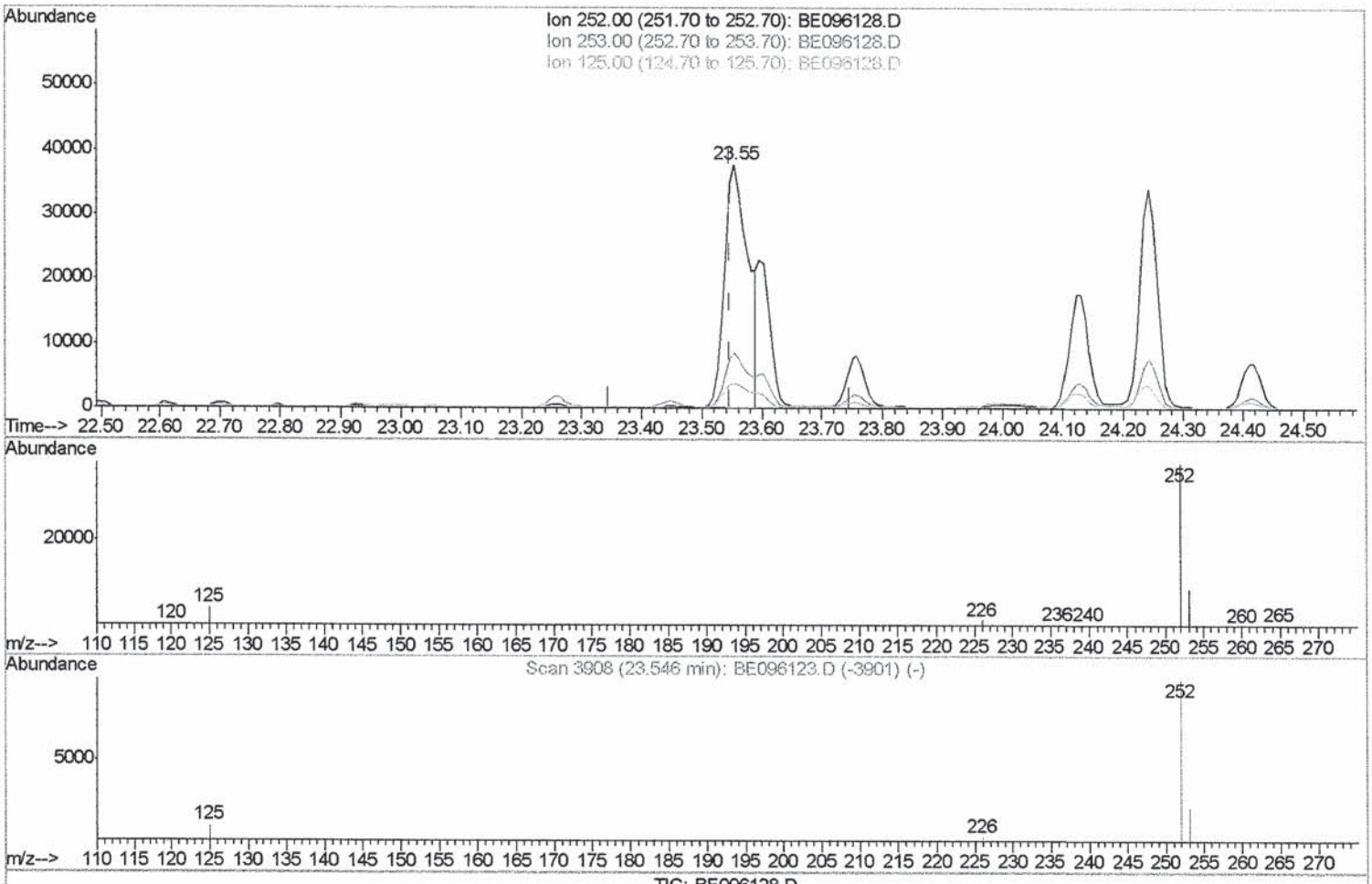
response 137090

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.54
125.00	17.50	10.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:55:26 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(21) Benzo(b)fluoranthene

23.553min (+0.007) 4.88ng/ul m

response 104085

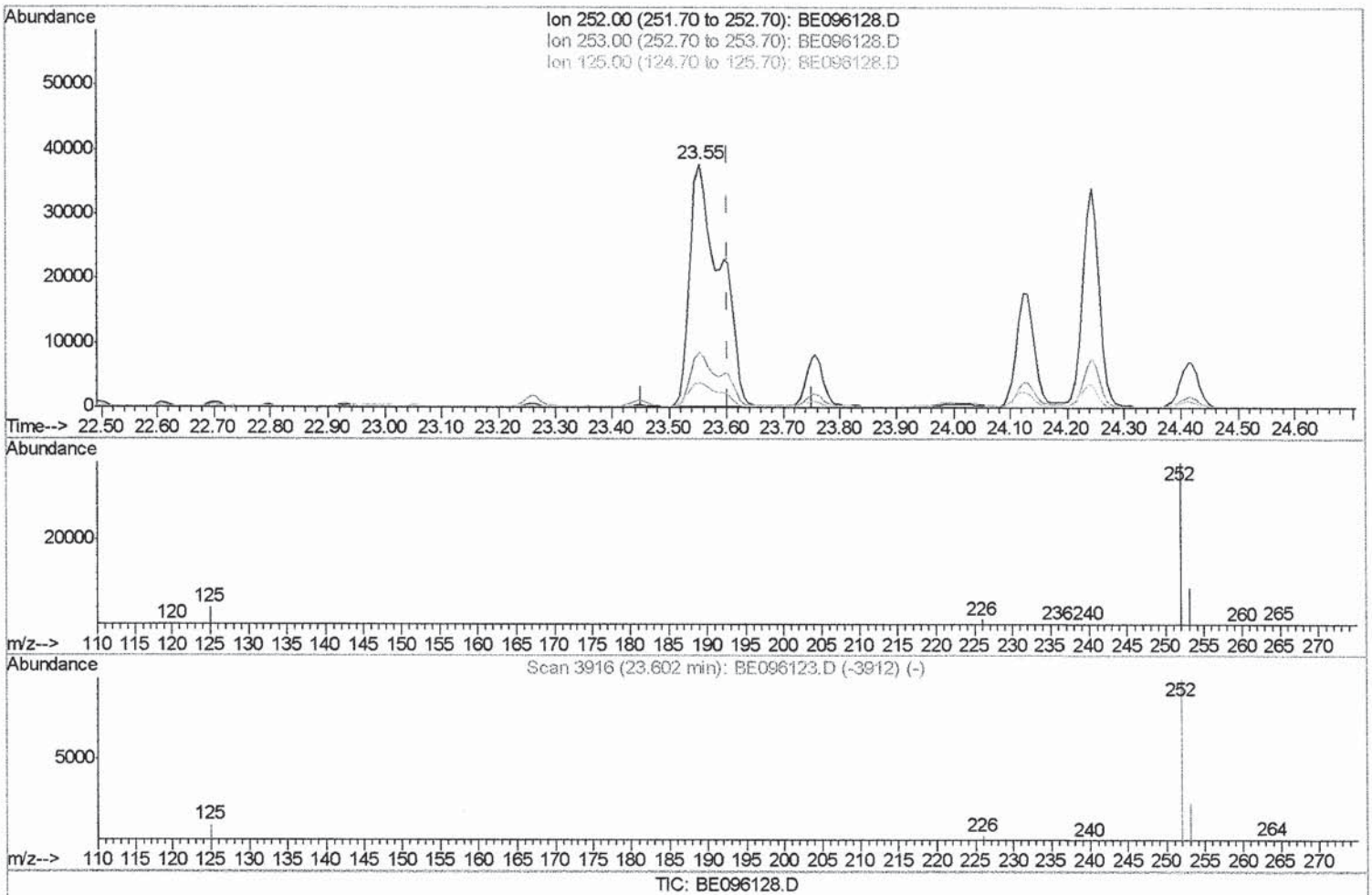
JU 04/27/18

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.54
125.00	17.50	10.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:55:26 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(22) Benzo(k)fluoranthene

23.553min (-0.049) 6.72ng/ul

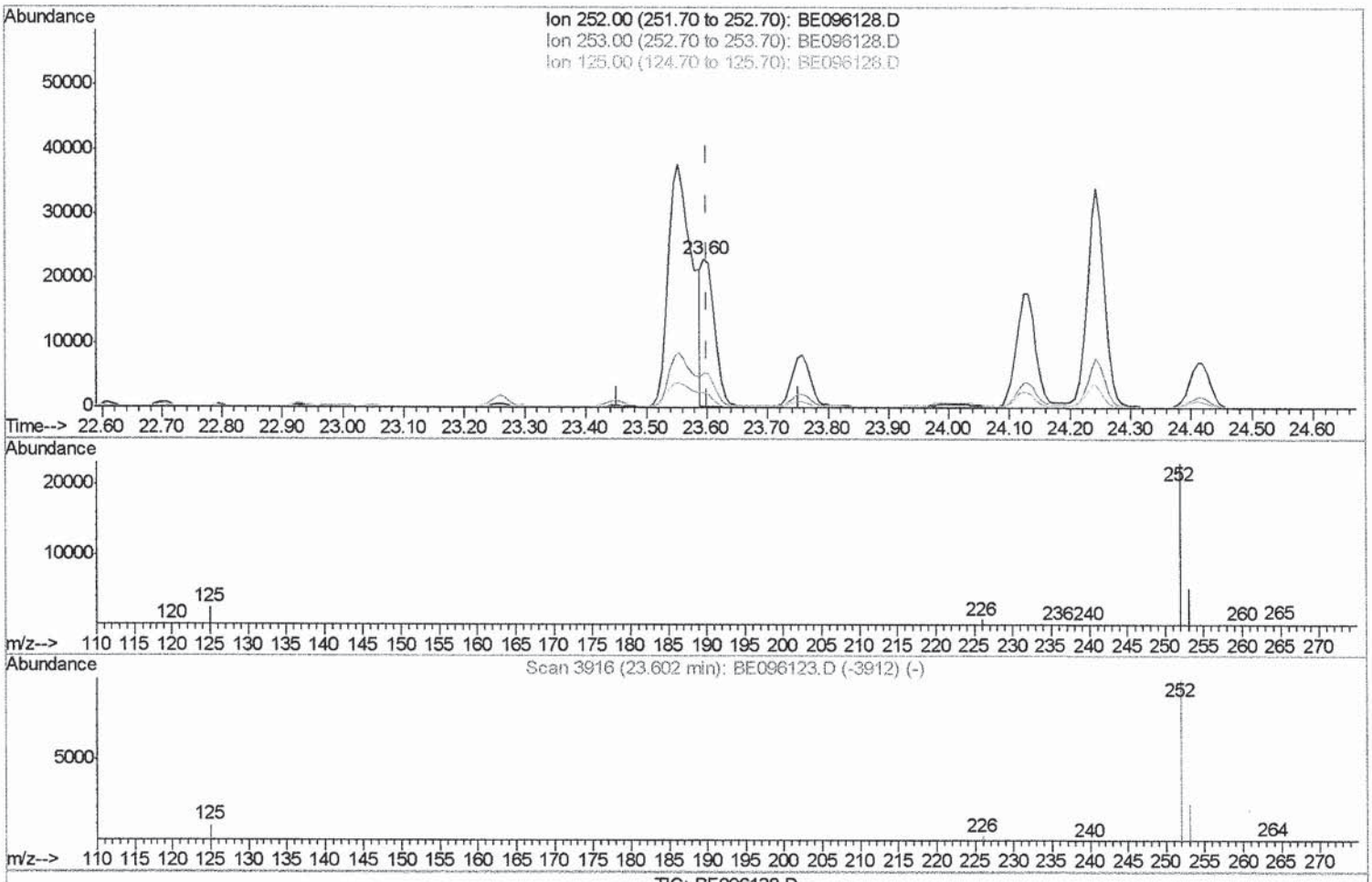
response 137090

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.54#
125.00	17.10	10.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:55:26 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration



TIC: BE096128.D

(22) Benzo(k)fluoranthene

23.595min (-0.007) 1.61ng/ul m

JL 04/27/18

response 32913

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.08#
125.00	17.10	10.69#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042418\
Data File : BE096128.D
Acq On : 24 Apr 2018 20:18
Operator : SJ/JU
Sample : J2431-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 05:56:23 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 05:27:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	838	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	3320	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2152	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	6003m	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	9009m	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	5635m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1771	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	6746m	0.24	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	11.23	128	5233	0.566	ng/ul#	90
5) 2-Methylnaphthalene	12.81	142	12809	2.068	ng/ul	100
7) Acenaphthylene	14.68	152	4376	0.394	ng/ul#	88
8) Acenaphthene	15.01	153	82271	10.286	ng/ul	94
9) Fluorene	15.98	166	175807	16.611	ng/ul#	90
12) Phenanthrene	17.70	178	1139931m	64.497	ng/ul	
13) Anthracene	17.80	178	220838m	12.454	ng/ul	
15) Fluoranthene	19.67	202	821764m	30.418	ng/ul	
17) Pyrene	20.03	202	484534	26.809	ng/ul#	77
18) Benzo(a)anthracene	21.73	228	173672m	6.367	ng/ul	
19) Chrysene	21.79	228	149232	5.954	ng/ul	97
21) Benzo(b)fluoranthene	23.55	252	104085m	4.878	ng/ul	
22) Benzo(k)fluoranthene	23.60	252	32913m	1.614	ng/ul	
23) Benzo(a)pyrene	24.24	252	68675	3.705	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	27.13	276	22929	0.918	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.14	278	6701	0.320	ng/ul	93
26) Benzo(g,h,i)perylene	28.00	276	16846	0.775	ng/ul#	94

RE 04/27/18

RE 04/27/18

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RE 04/27/18

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