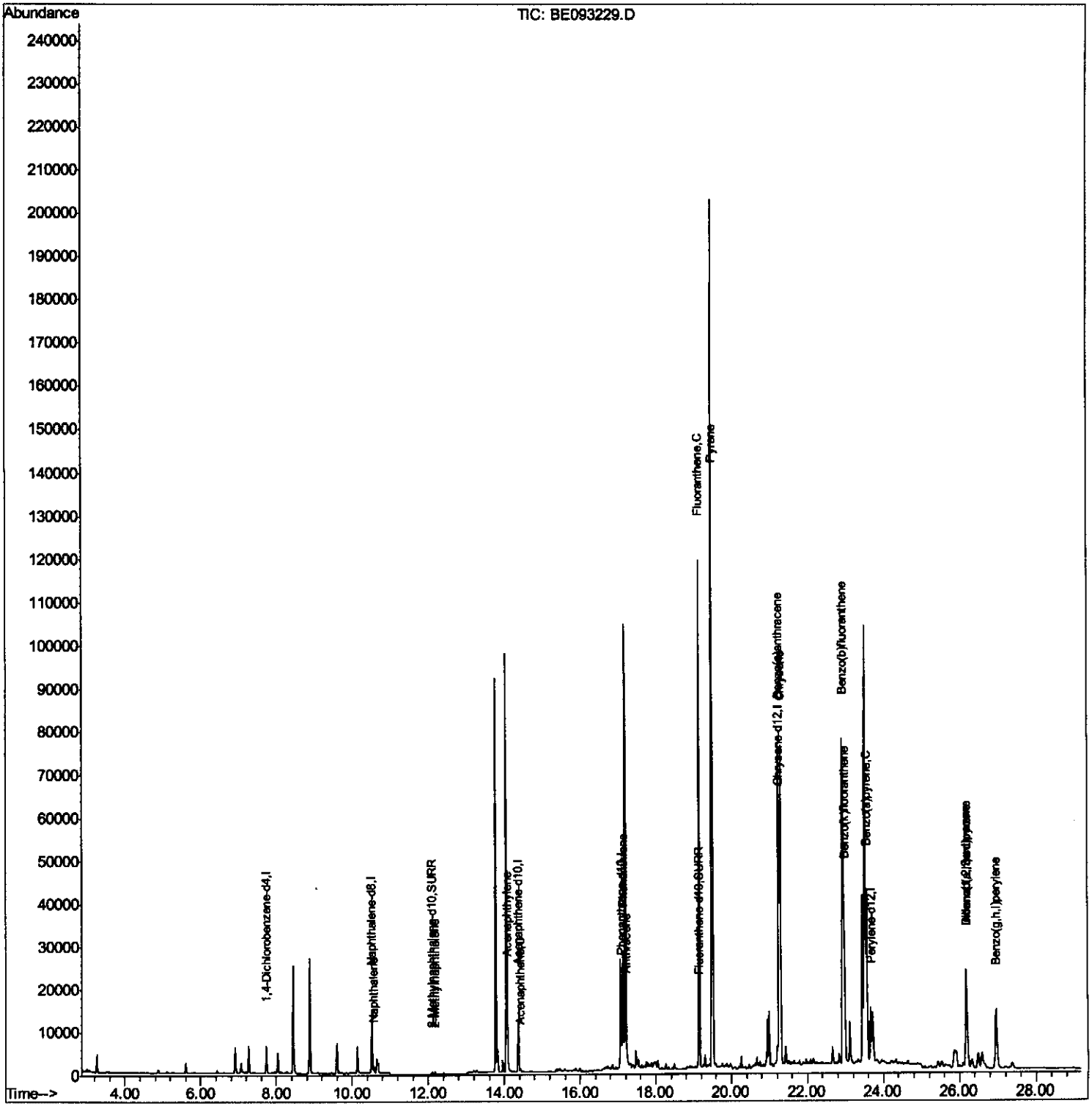
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093229.D
Acq On : 16 Jun 2017 3:56
Operator : SJ/MA
Sample : I3521-16DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 16 06:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 05:36:31 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C36DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:22 AM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093229.D
Acq On : 16 Jun 2017 3:56
Operator : SJ/MA
Sample : I3521-16DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 16 05:38:04 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 05:36:31 2017
Response via : Initial Calibration

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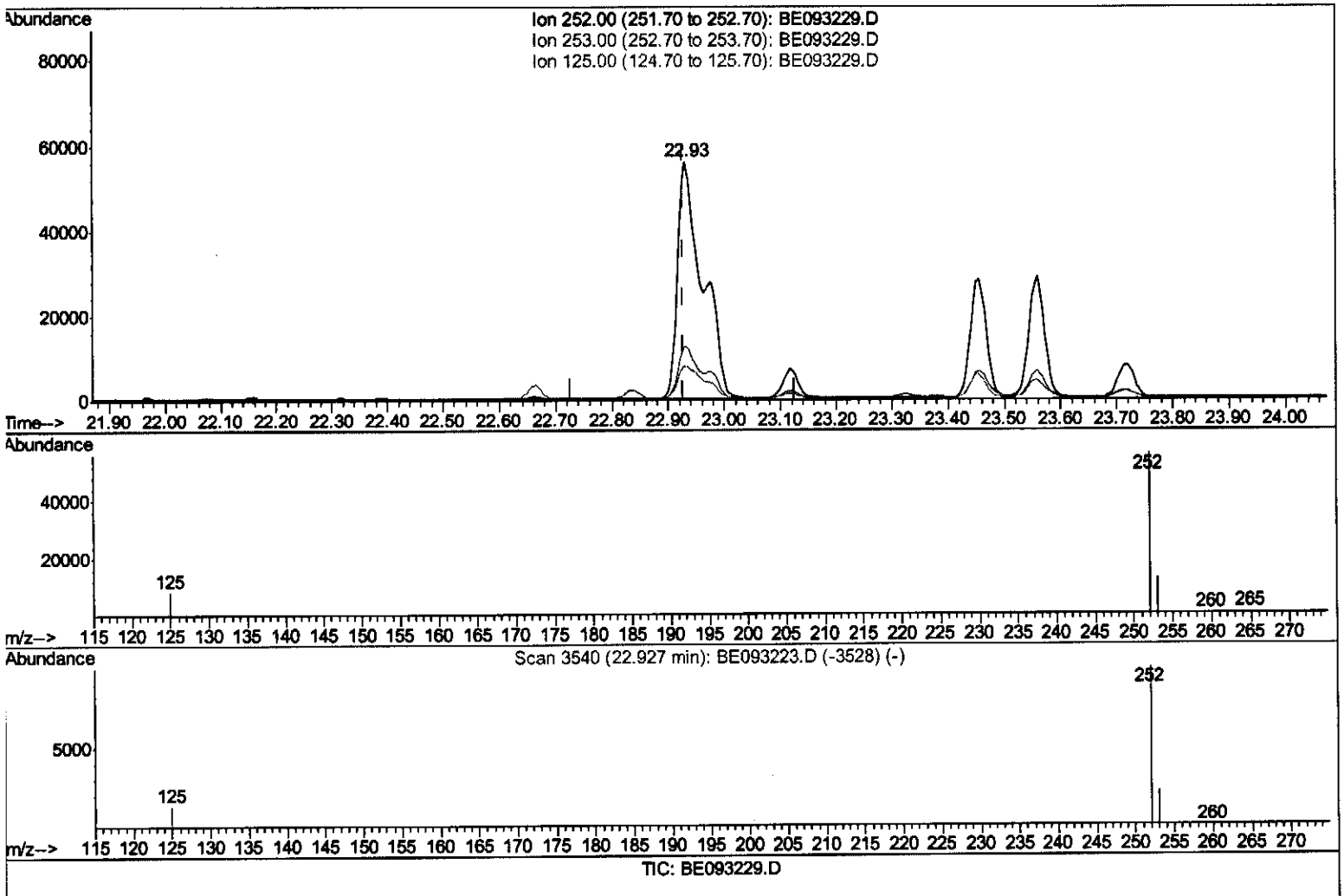
Manual Integrations APPROVED
mohammad
6/19/2017 11:07:22 AM



TIC: BE093229.D

(21) Benzo(b)fluoranthene

22.931min (+0.004) 3.05ng/ul

response 172216

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.88
125.00	17.50	14.62
0.00	0.00	0.00

Quantitation Report (Qedit)

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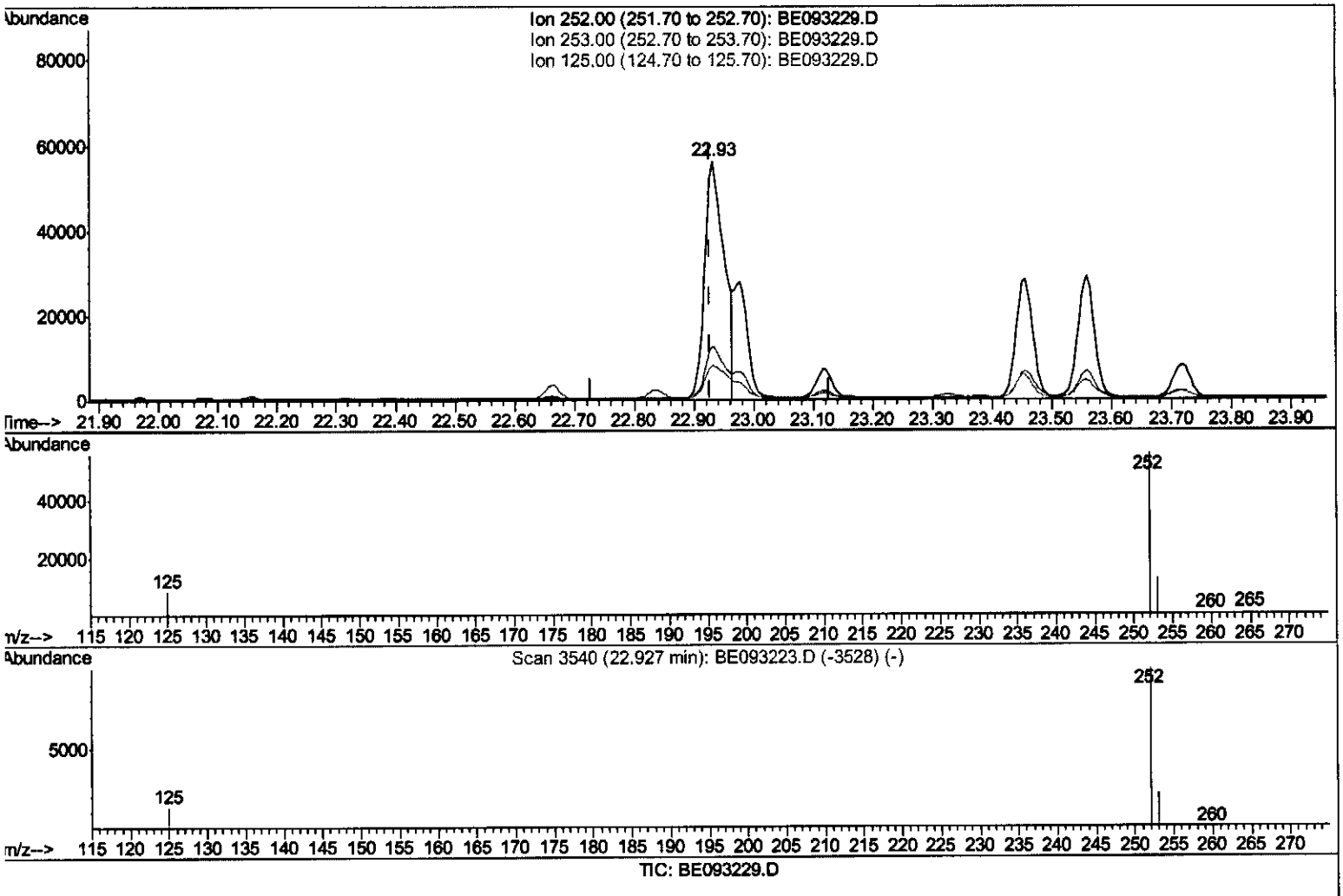
Manual Integrations APPROVED
mohammad
6/19/2017 11:07:22 AM



TIC: BE093229.D

(21) Benzo(b)fluoranthene

22.931min (+0.004) 2.27ng/ul m > SJ 06121117

response 128321

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.88
125.00	17.50	14.62
0.00	0.00	0.00

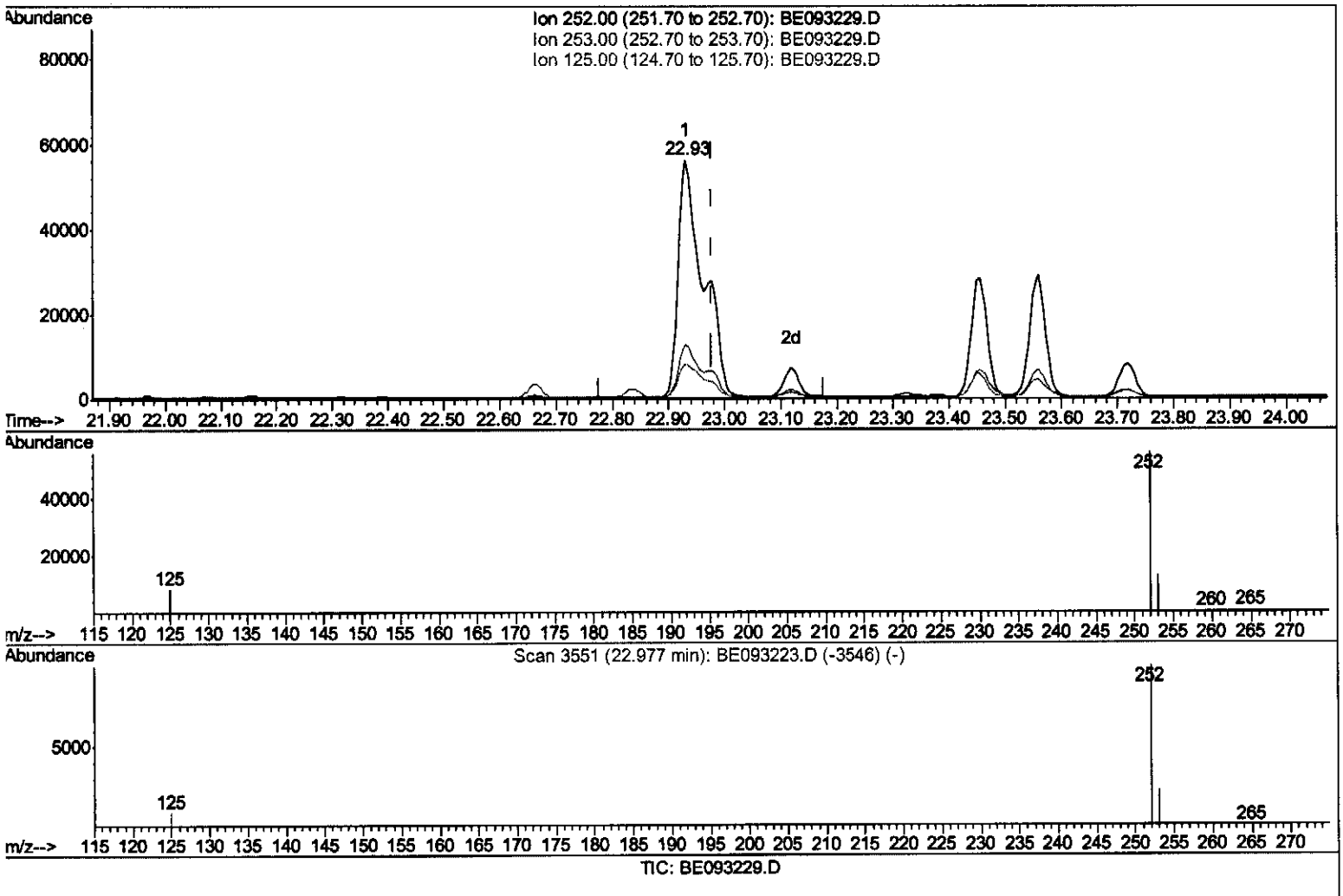
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093229.D
Acq On : 16 Jun 2017 3:56
Operator : SJ/MA
Sample : I3521-16DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 16 05:38:04 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 05:36:31 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C36DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:22 AM



TIC: BE093229.D

(22) Benzo(k)fluoranthene

22.931min (-0.046) 2.87ng/ul

response 172216

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.88#
125.00	17.10	14.62
0.00	0.00	0.00

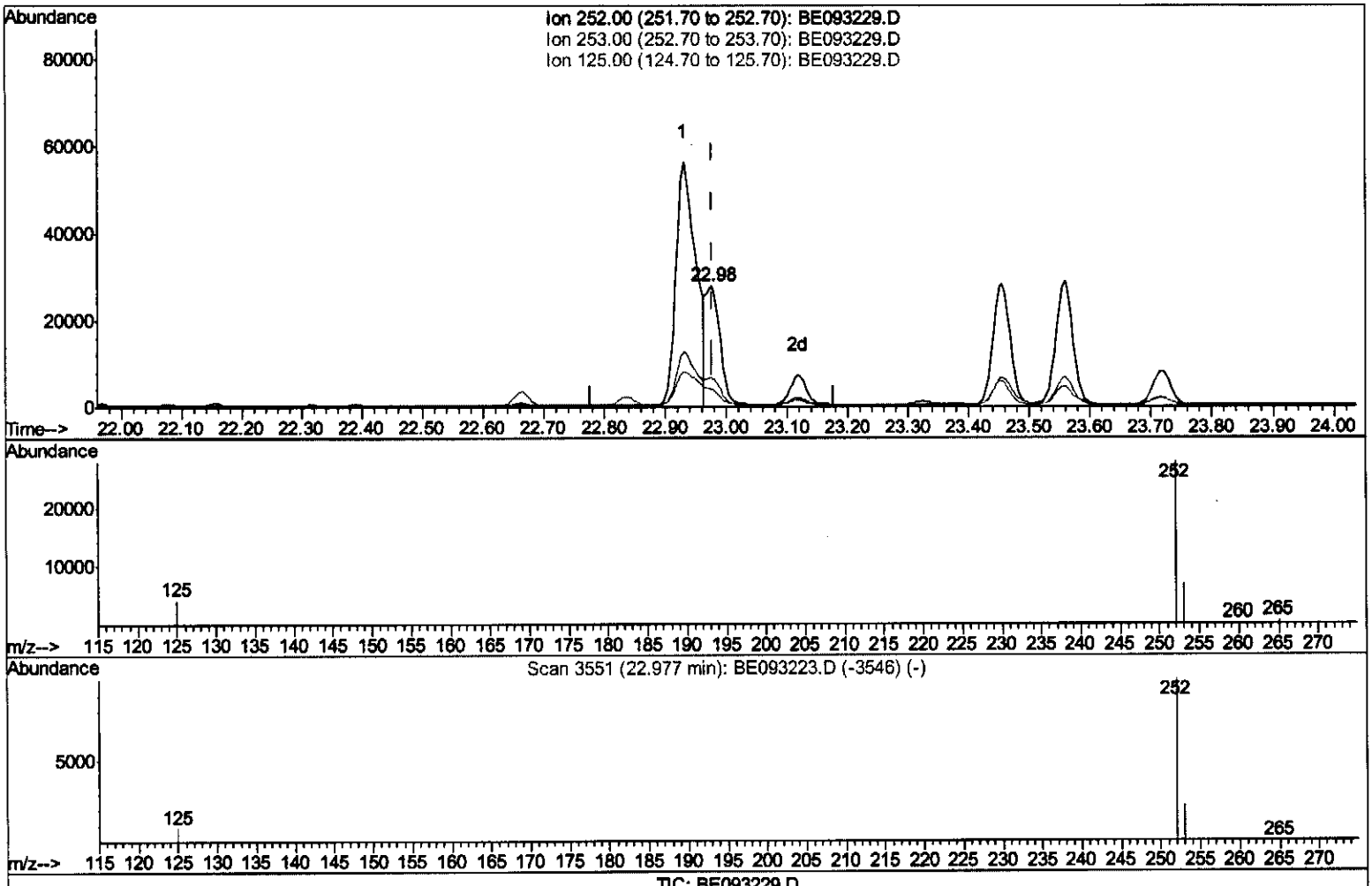
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093229.D
Acq On : 16 Jun 2017 3:56
Operator : SJ/MA
Sample : I3521-16DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 16 05:38:04 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 05:36:31 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C36DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:22 AM



TIC: BE093229.D

(22) Benzo(k)fluoranthene

22.976min (-0.001) 0.76ng/ul m

response 45729

SJ 06/21/17

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.26#
125.00	17.10	14.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093229.D
Acq On : 16 Jun 2017 3:56
Operator : SJ/MA
Sample : I3521-16DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C36DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:22 AM

Quant Time: Jun 16 06:08:17 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2979	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14985	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8470	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20763	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21060	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	18626	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	809	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2093	0.04	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.56	128	2064	0.06	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	488	0.02	ng/ul	95
7) Acenaphthylene	14.09	152	8724	0.24	ng/ul	97
8) Acenaphthene	14.42	153	444	0.02	ng/ul#	86
12) Phenanthrene	17.14	178	29367	0.51	ng/ul#	88
13) Anthracene	17.22	178	11133	0.22	ng/ul#	88
15) Fluoranthene	19.15	202	124471	1.78	ng/ul	84
17) Pyrene	19.51	202	130221	2.10	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	61557	1.10	ng/ul#	85
19) Chrysene	21.29	228	82774	1.42	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	128321m	2.27	ng/ul	
22) Benzo(k)fluoranthene	22.98	252	45729m	0.76	ng/ul	
23) Benzo(a)pyrene	23.56	252	56378	1.05	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	39175	0.63	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	9841	0.19	ng/ul#	88
26) Benzo(g,h,i)perylene	26.96	276	29915	0.56	ng/ul	96

SJ
06/21/17

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