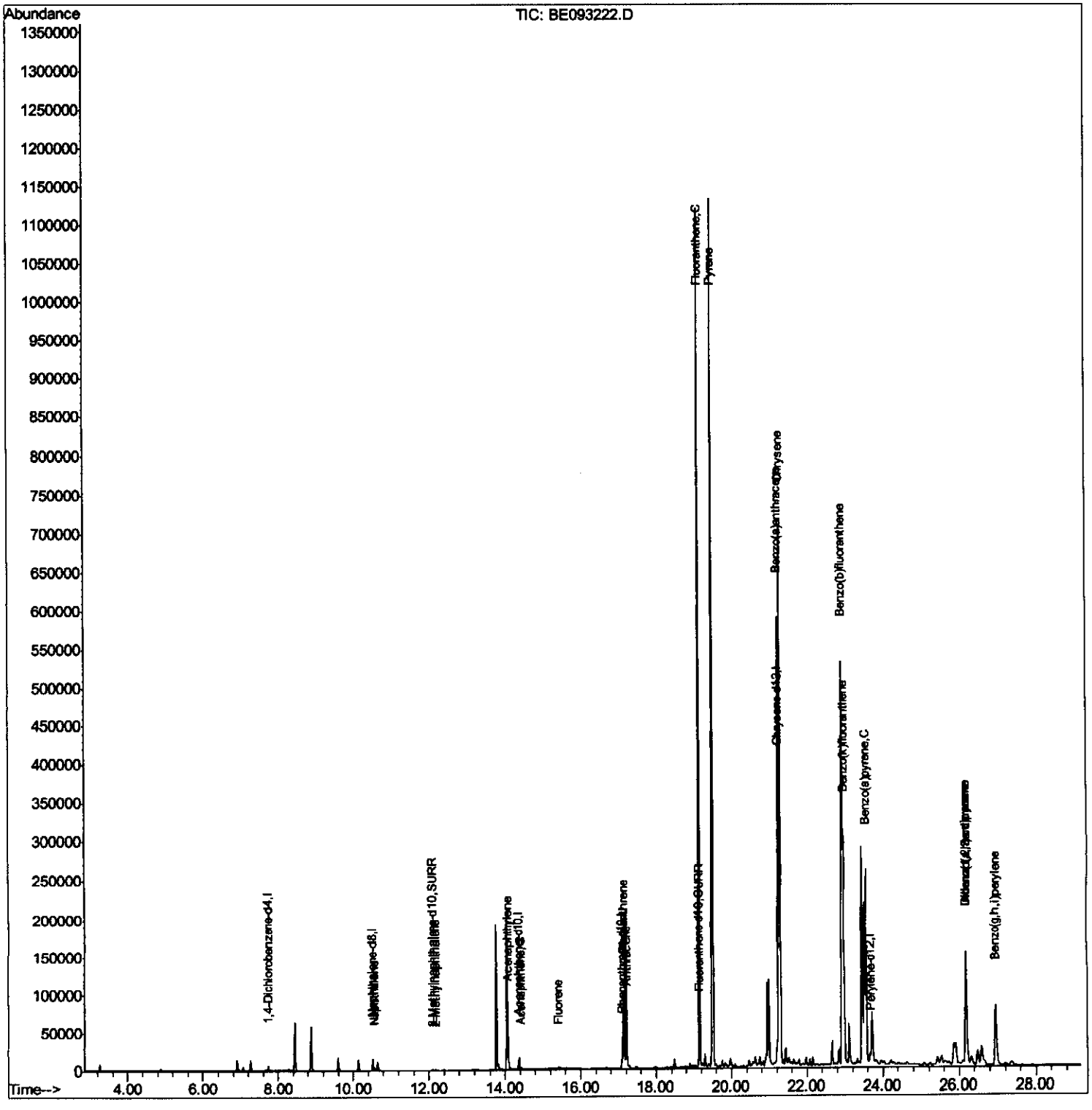
Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093222.D
Acq On : 15 Jun 2017 23:36
Operator : SJ/MA
Sample : I3520-15DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 16 05:33:58 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 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B47DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:01 AM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093222.D
Acq On : 15 Jun 2017 23:36
Operator : SJ/MA
Sample : I3520-15DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 16 04:45:47 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 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
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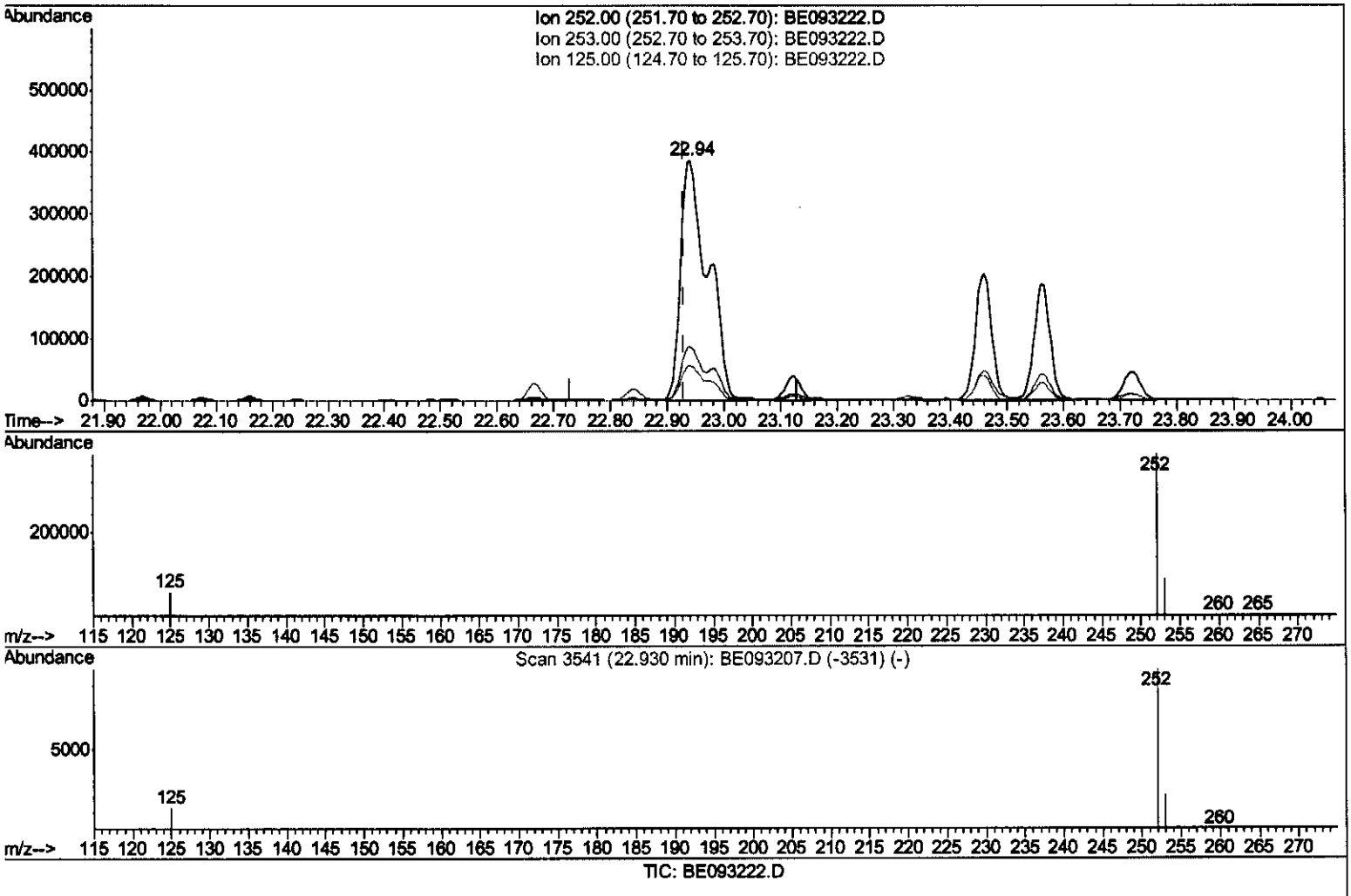
Manual Integrations APPROVED
mohammad
6/19/2017 11:07:01 AM



TIC: BE093222.D

(21) Benzo(b)fluoranthene

22.941min (+0.011) 22.55ng/ul

response 1281663

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.96
125.00	17.50	14.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093222.D
Acq On : 15 Jun 2017 23:36
Operator : SJ/MA
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BNA_E
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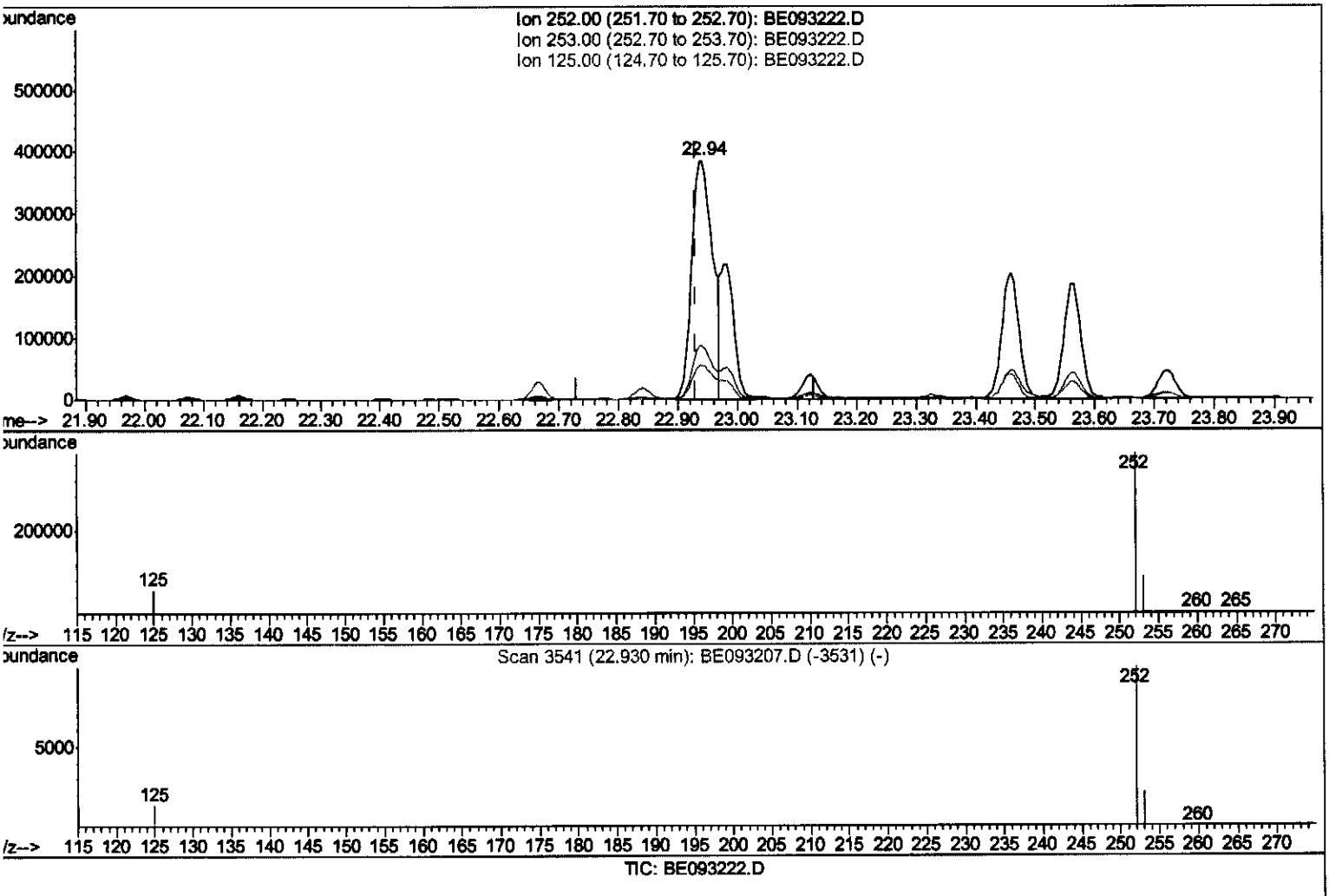
F5B47DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:01 AM



(21) Benzo(b)fluoranthene

22.941min (+0.011) 16.58ng/ul m > SJ 06/21/17

response 942364

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.96
125.00	17.50	14.72
0.00	0.00	0.00

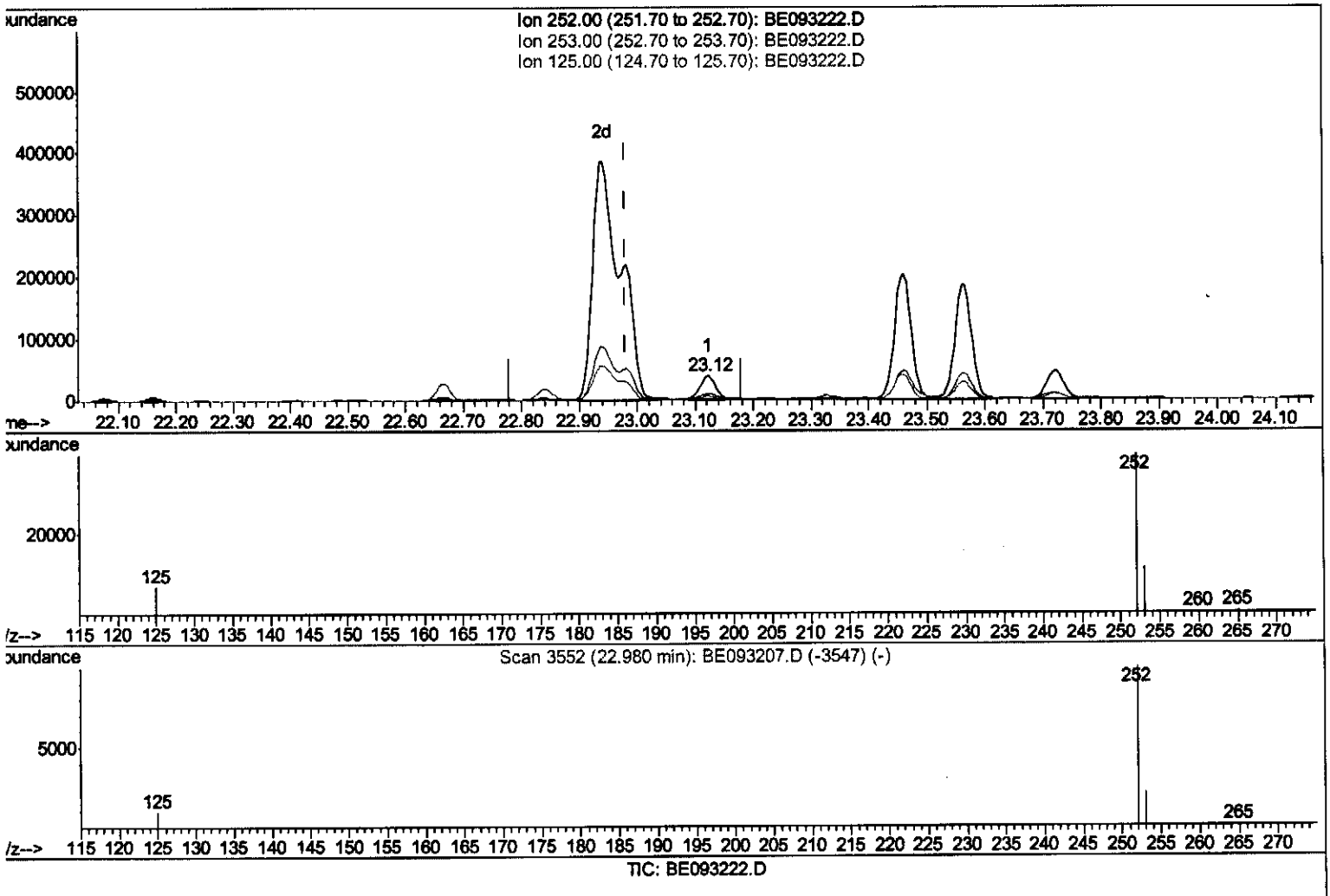
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093222.D
Acq On : 15 Jun 2017 23:36
Operator : SJ/MA
Sample : I3520-15DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 16 04:45:47 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 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B47DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:01 AM



(22) Benzo(k)fluoranthene

23.123min (+0.143) 1.13ng/ul

response 68021

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.35
125.00	17.10	17.30
0.00	0.00	0.00

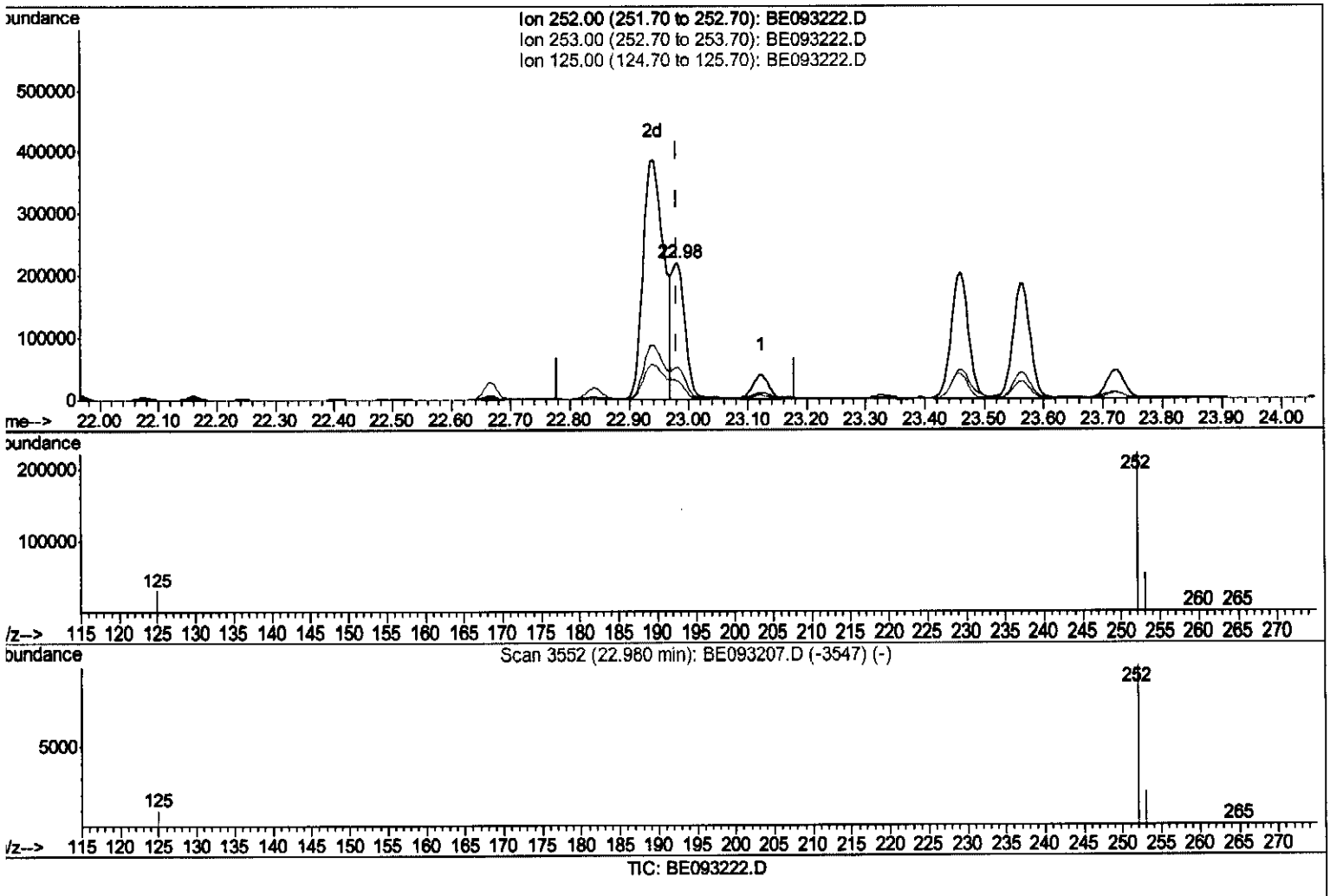
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093222.D
Acq On : 15 Jun 2017 23:36
Operator : SJ/MA
Sample : I3520-15DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 16 04:45:47 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 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B47DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:01 AM



(22) Benzo(k)fluoranthene

22.982min (+0.002) 5.75ng/ul m

response 347108

SJ 06/21/17

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.86#
125.00	17.10	13.66#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093222.D
Acq On : 15 Jun 2017 23:36
Operator : SJ/MA
Sample : I3520-15DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:07:01 AM

Quant Time: Jun 16 05:33:58 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 04:43:11 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2872	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	15203	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8968	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20939	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	22875	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	18725	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1678	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	3936	0.07	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.57	128	4352	0.12	ng/ul#	94
5) 2-Methylnaphthalene	12.18	142	1068	0.04	ng/ul	97
7) Acenaphthylene	14.08	152	45761	1.19	ng/ul	95
8) Acenaphthene	14.43	153	1409	0.05	ng/ul	95
9) Fluorene	15.42	166	1933	0.05	ng/ul	94
12) Phenanthrene	17.14	178	103110	1.79	ng/ul#	87
13) Anthracene	17.22	178	64737	1.29	ng/ul#	86
15) Fluoranthene	19.16	202	1160379	16.42	ng/ul	84
17) Pyrene	19.52	202	1152466	17.08	ng/ul#	87
18) Benzo(a)anthracene	21.25	228	500570	8.20	ng/ul#	85
19) Chrysene	21.30	228	753440	11.90	ng/ul	99
21) Benzo(b)fluoranthene	22.94	252	942364m	16.58	ng/ul	
22) Benzo(k)fluoranthene	22.98	252	347108m	5.75	ng/ul	
23) Benzo(a)pyrene	23.56	252	371368	6.91	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.19	276	252943	4.07	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	70503	1.35	ng/ul	91
26) Benzo(g,h,i)perylene	26.96	276	180413	3.38	ng/ul	96

SJ
06/21/17

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