

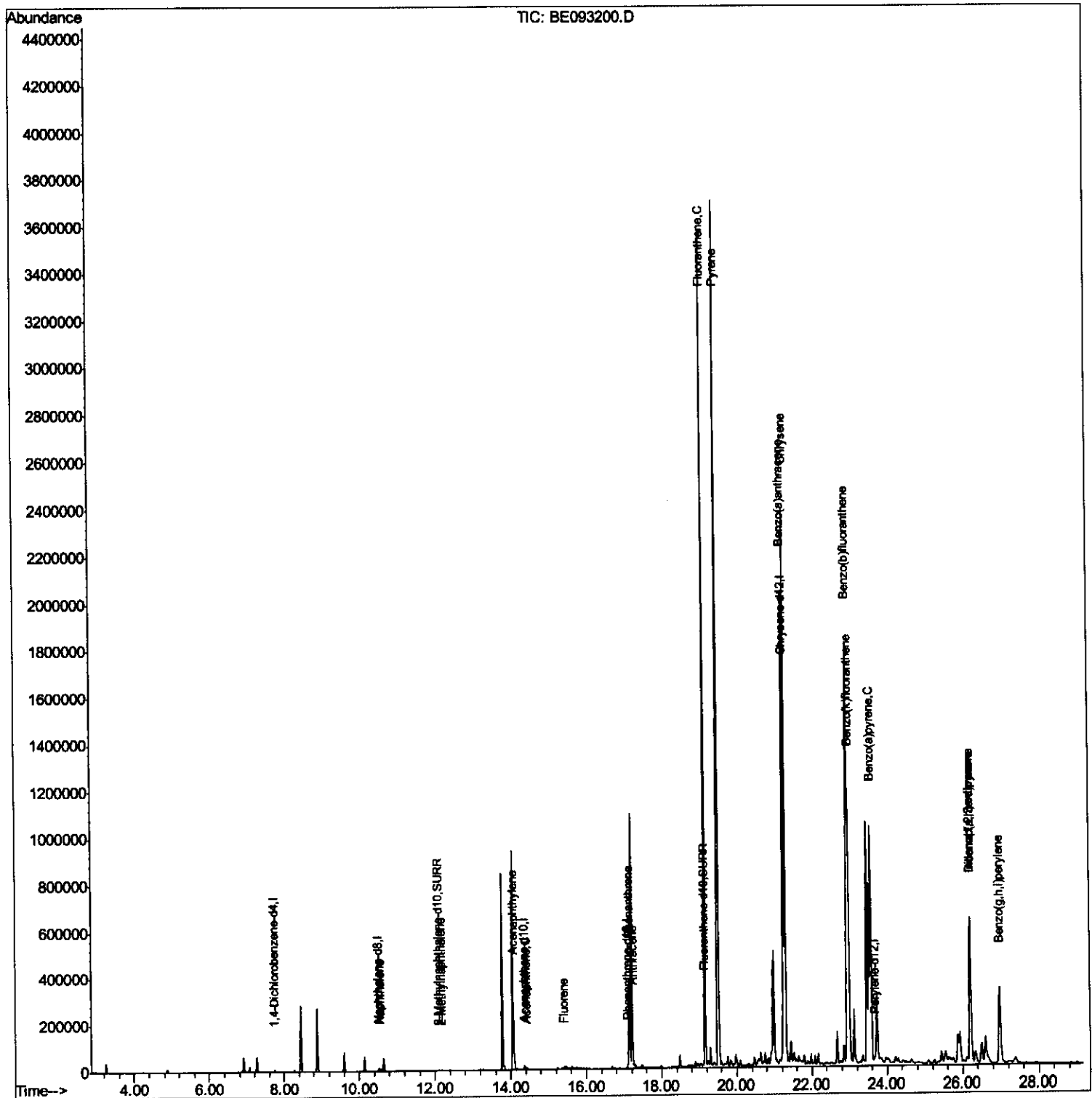
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:37:06 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



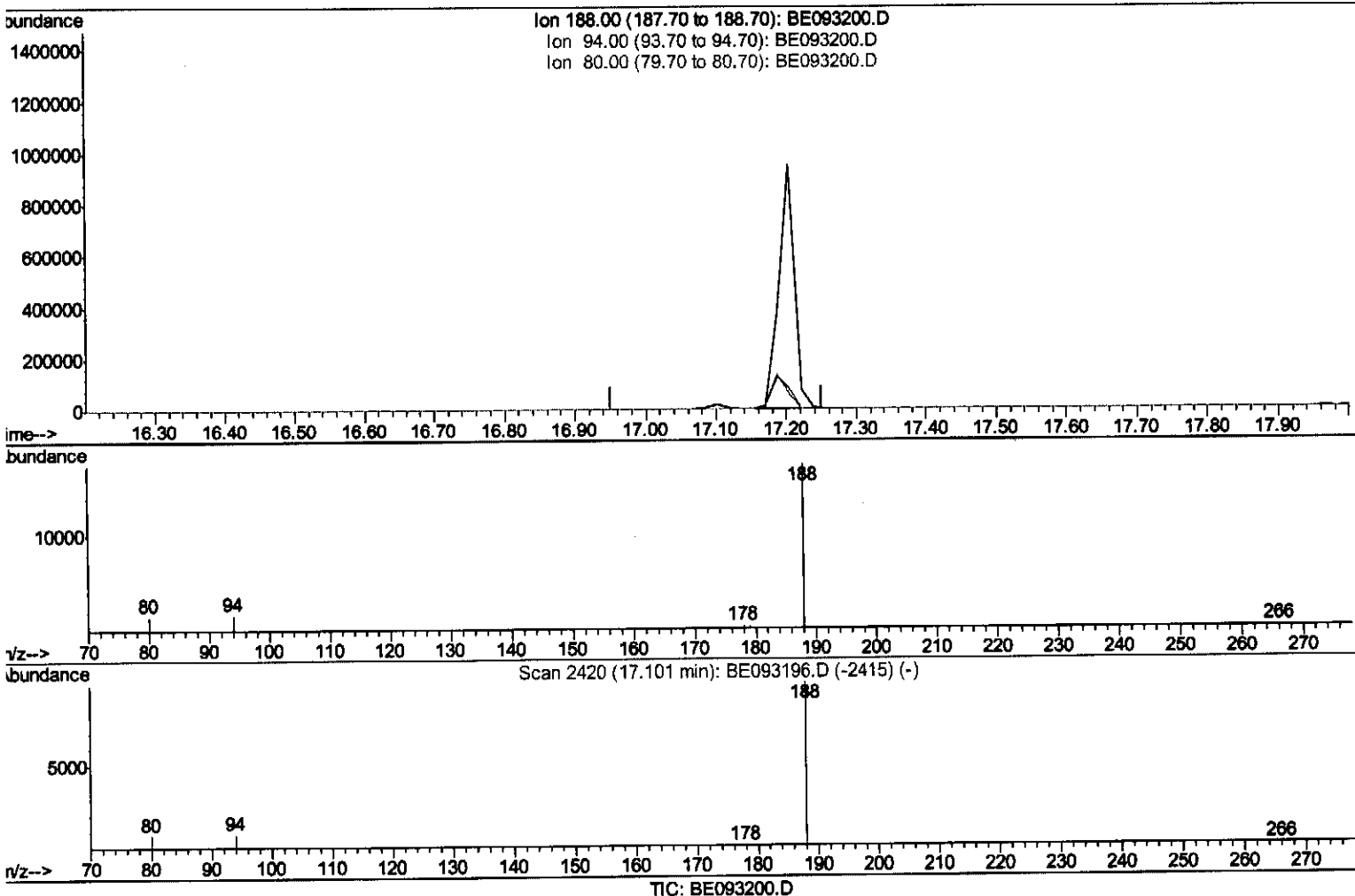
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:33:04 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.101min (-17.101) 0.00ng/ul

response 0

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

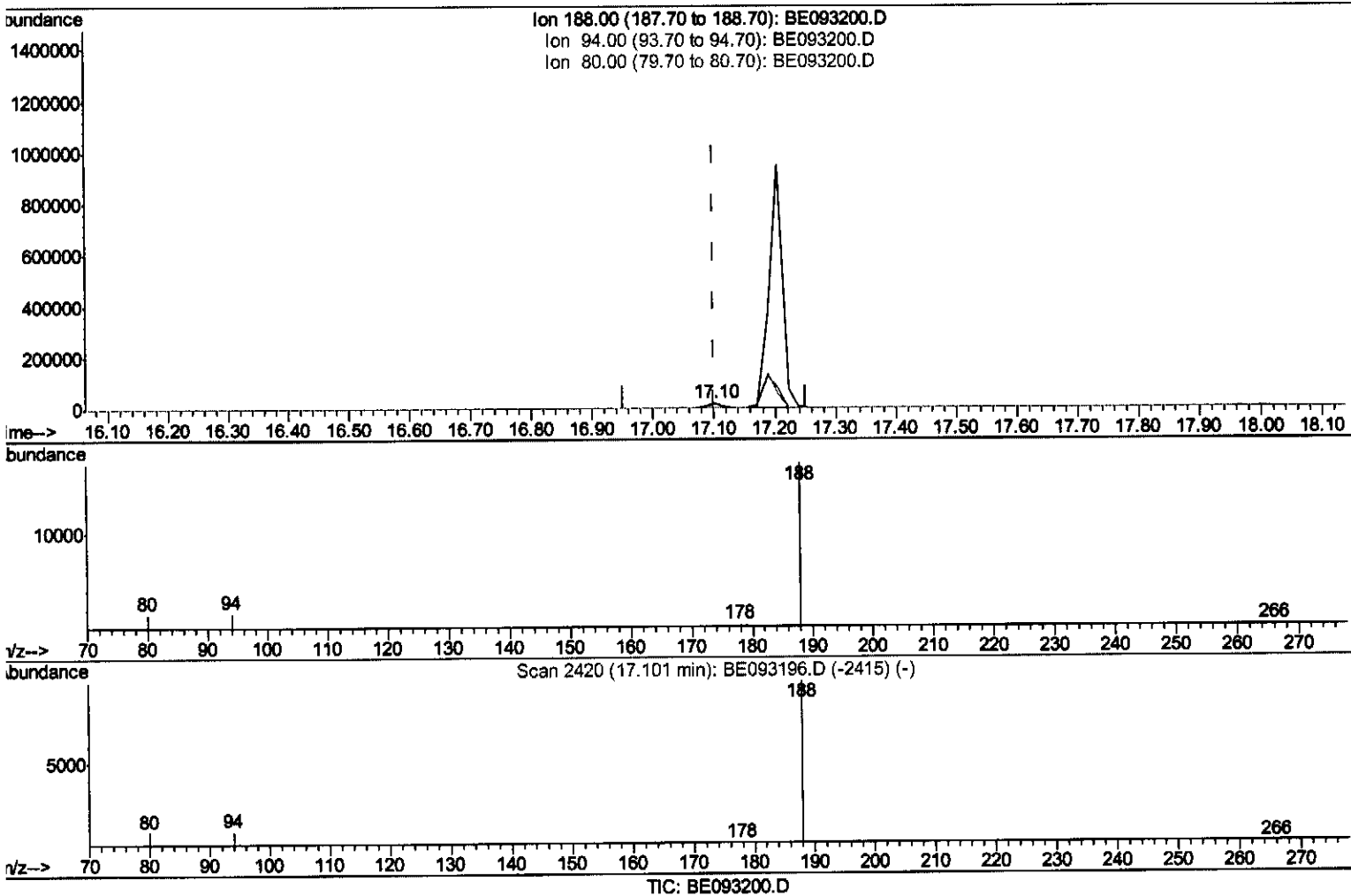
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:33:04 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.101min (+0.000) 0.40ng/ul m

response 23904

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.36
80.00	11.80	8.74#
0.00	0.00	0.00

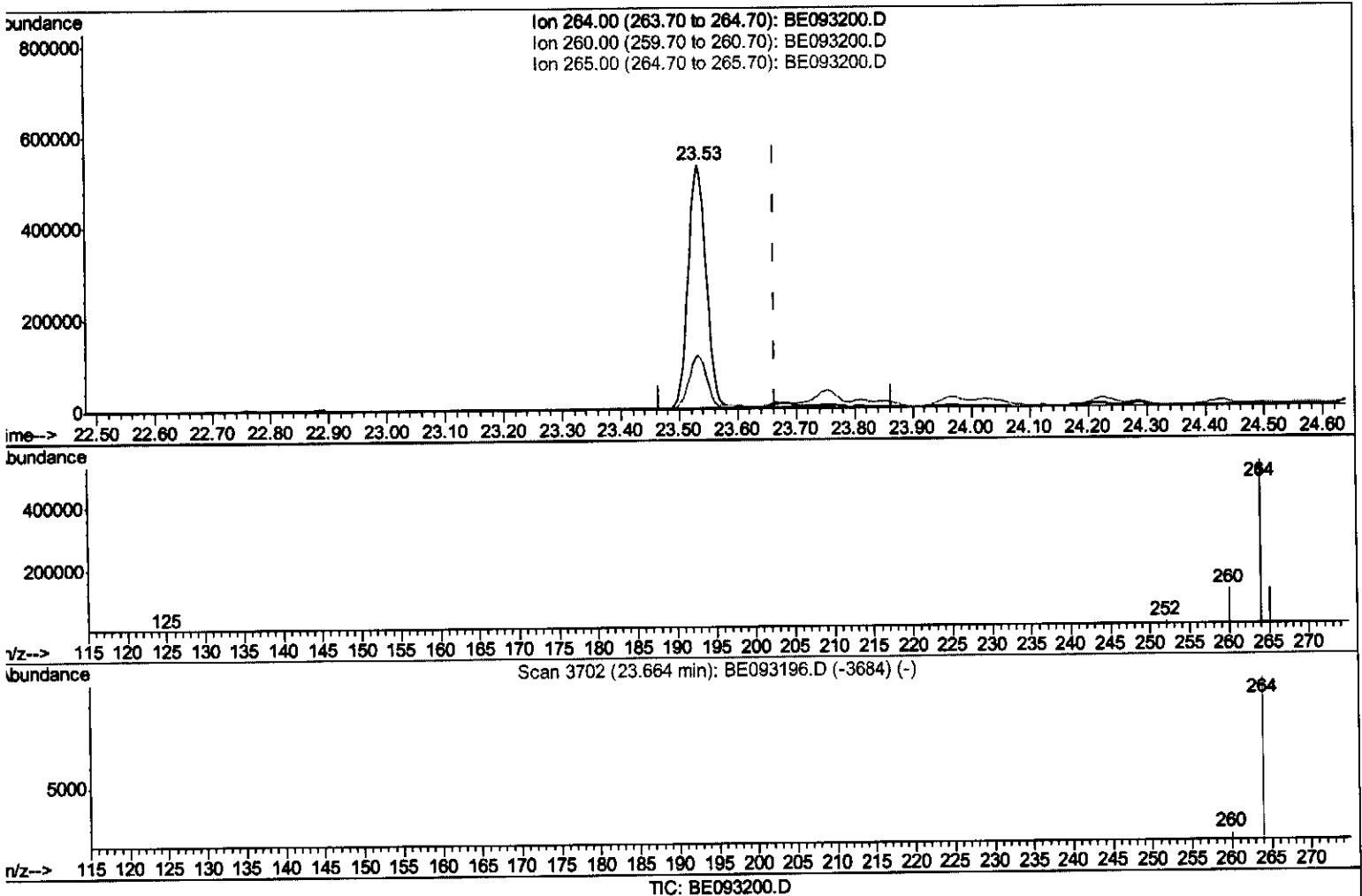
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:34:12 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.532min (-0.132) 0.40ng/ul

response 1143364

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.00#
265.00	103.50	21.62#
0.00	0.00	0.00

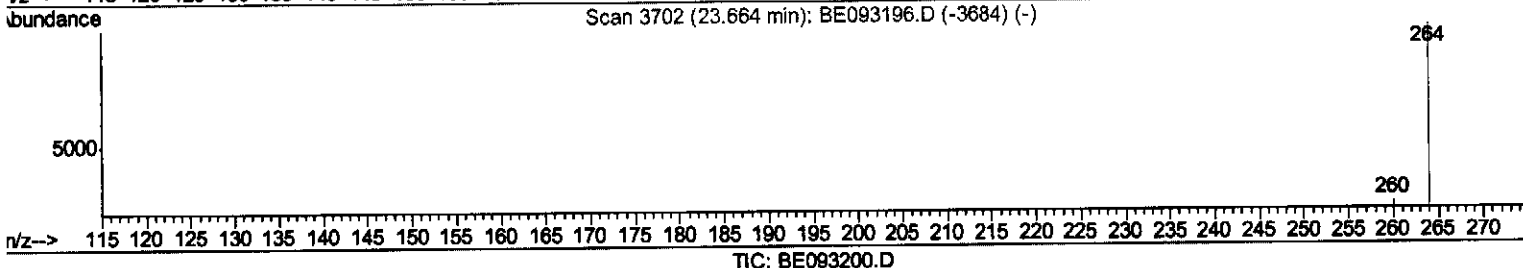
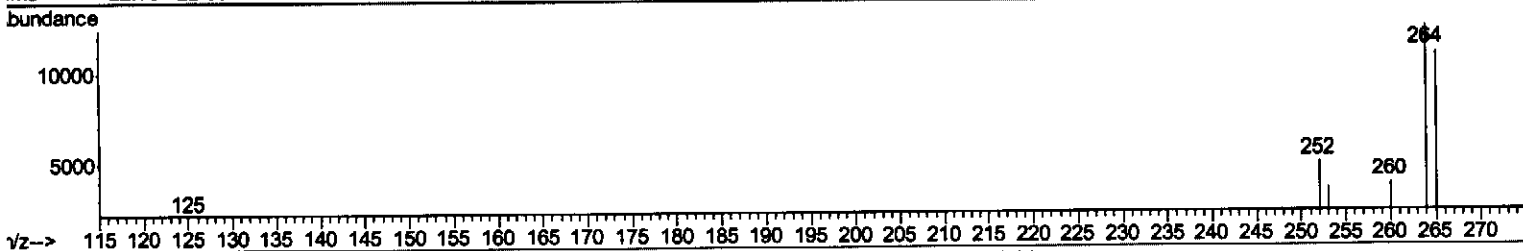
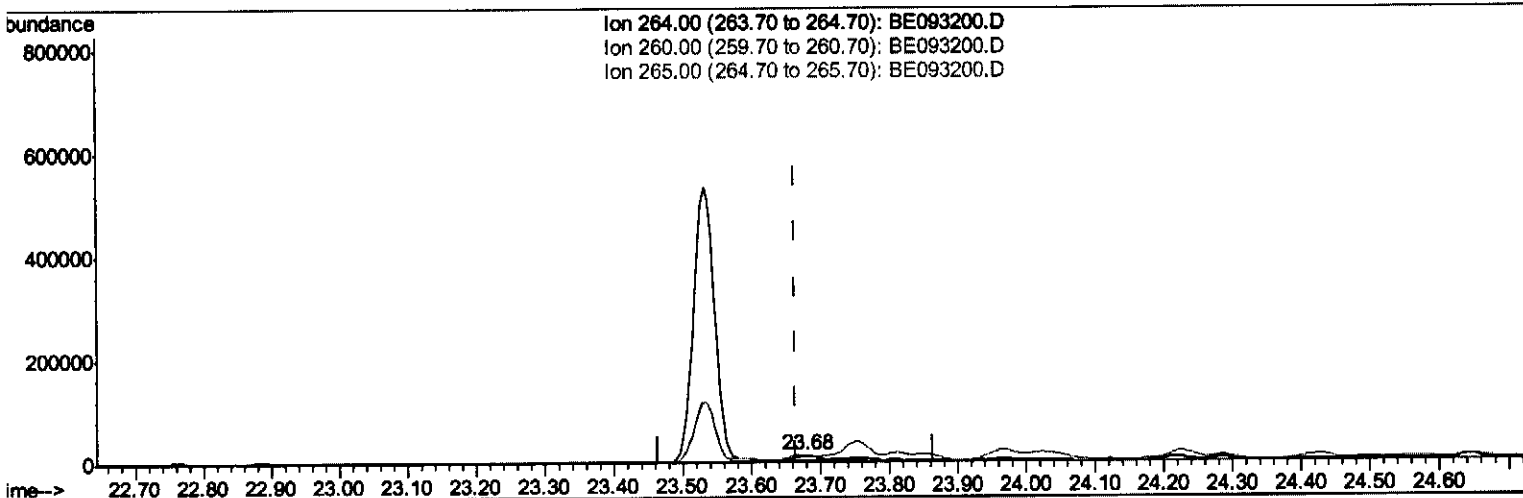
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:34:12 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



TIC: BE093200.D

(20) Perylene-d12 (I)

23.678min (+0.014) 0.40ng/ul m

response 19464

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.07
265.00	103.50	88.39
0.00	0.00	0.00

85
06/21/17

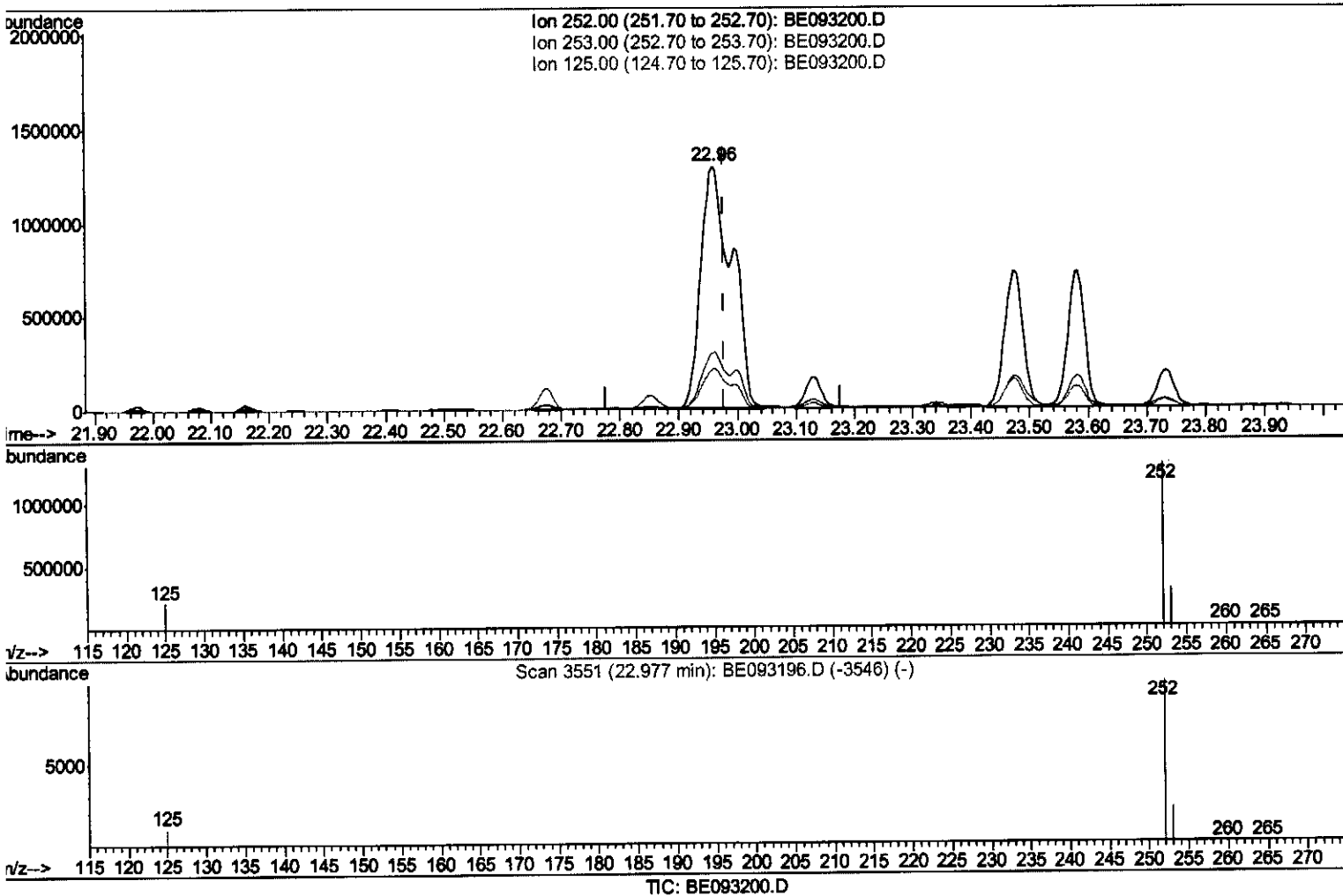
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.959min (-0.018) 75.35ng/ul

response 4726913

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.40#
125.00	17.10	16.33
0.00	0.00	0.00

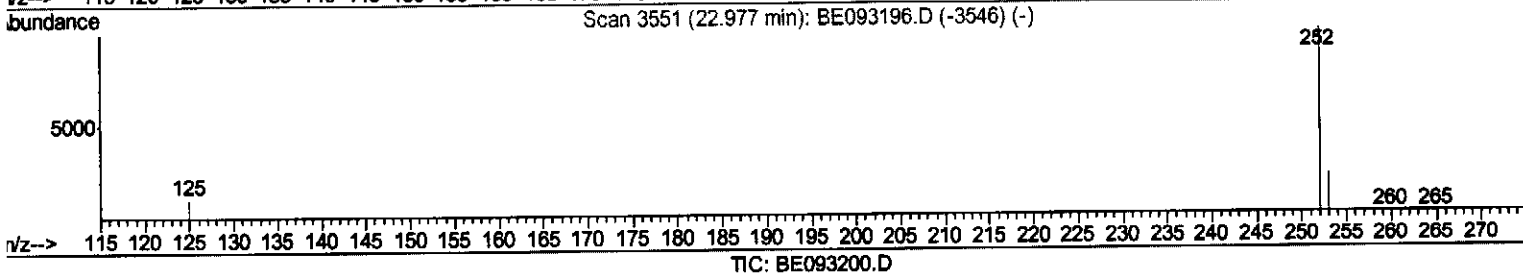
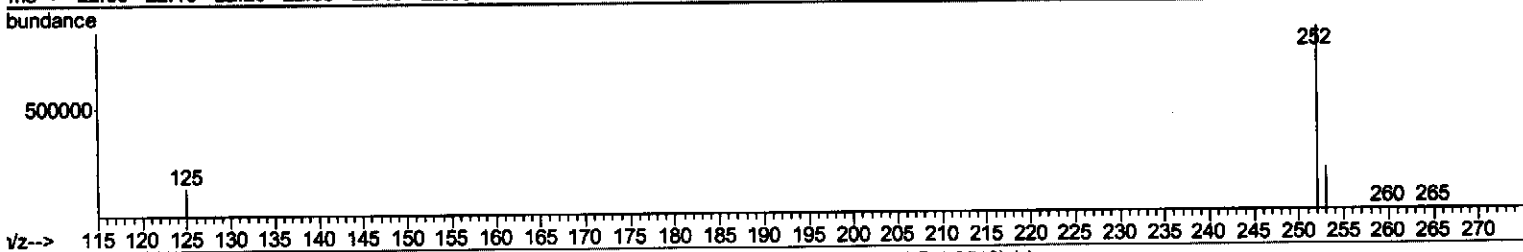
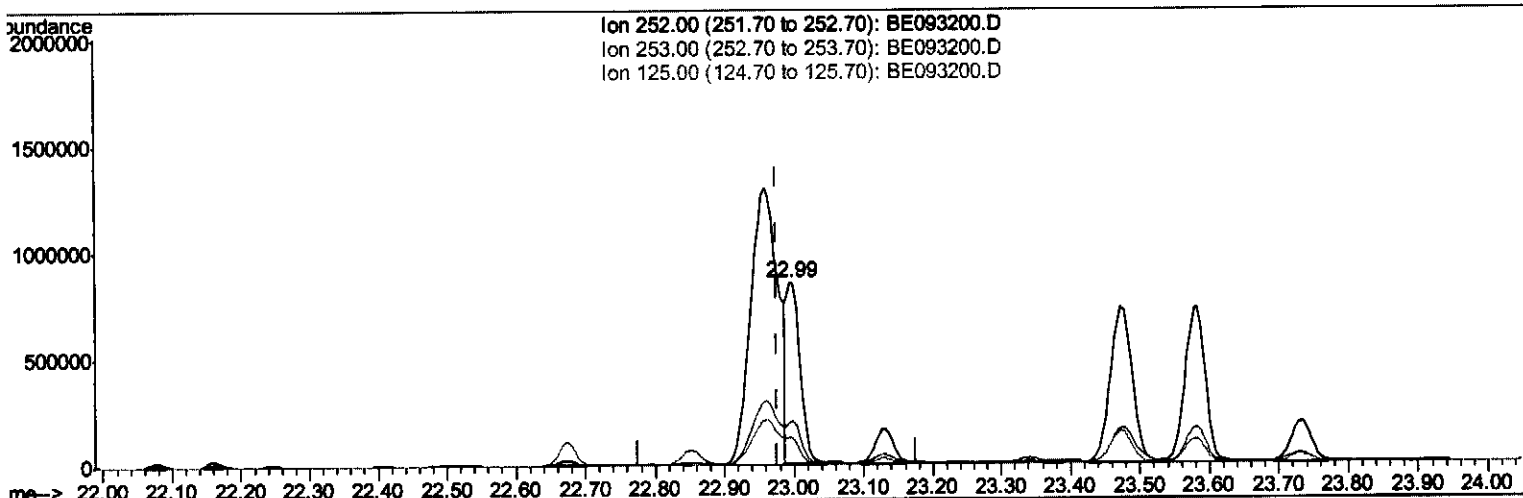
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.995min (+0.018) 18.87ng/ul m

response 1183534

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.66#
125.00	17.10	15.02
0.00	0.00	0.00

SJ
06/21/17

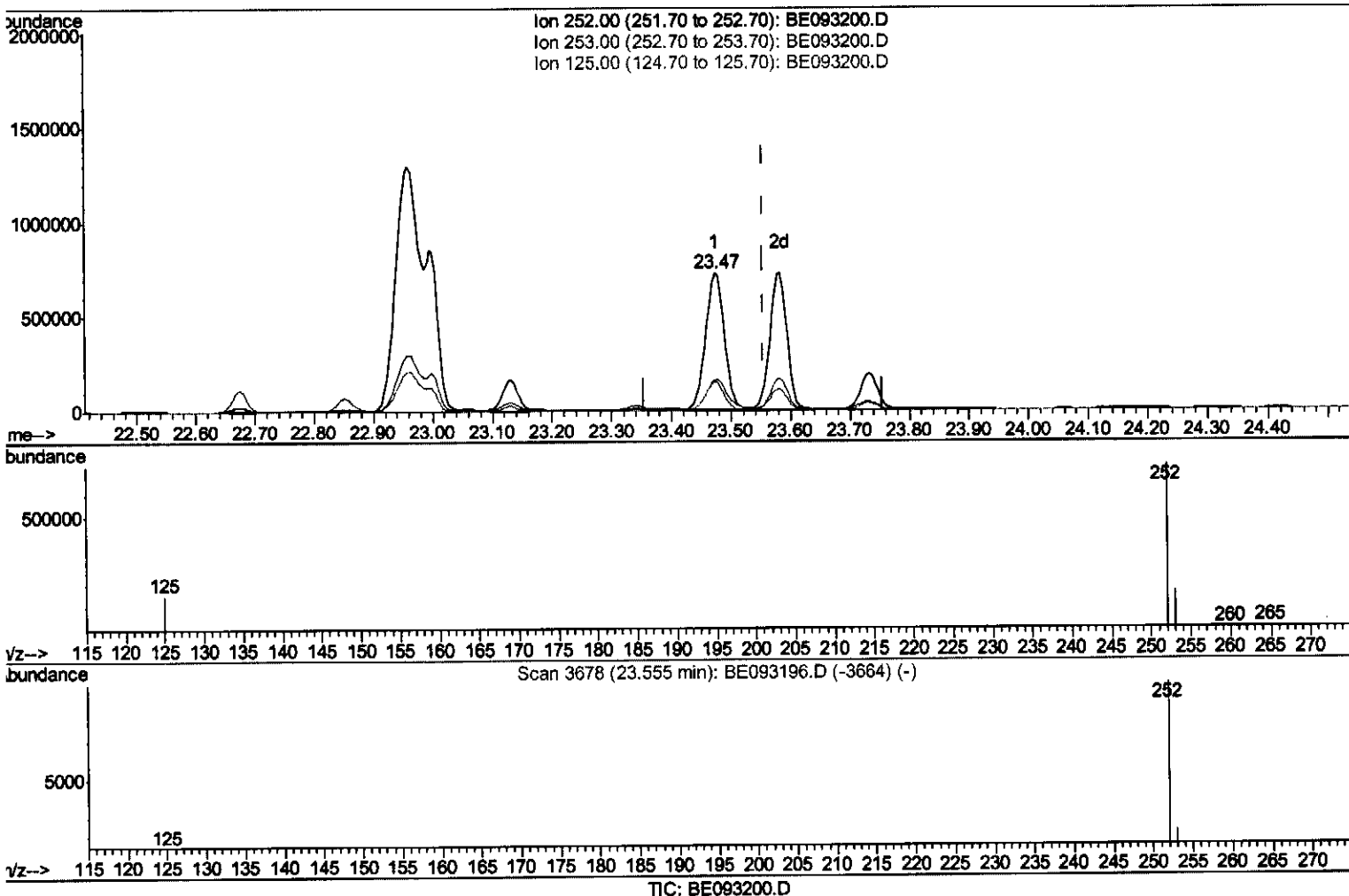
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.473min (-0.082) 28.61ng/ul

response 1597936

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.66#
125.00	22.60	20.93
0.00	0.00	0.00

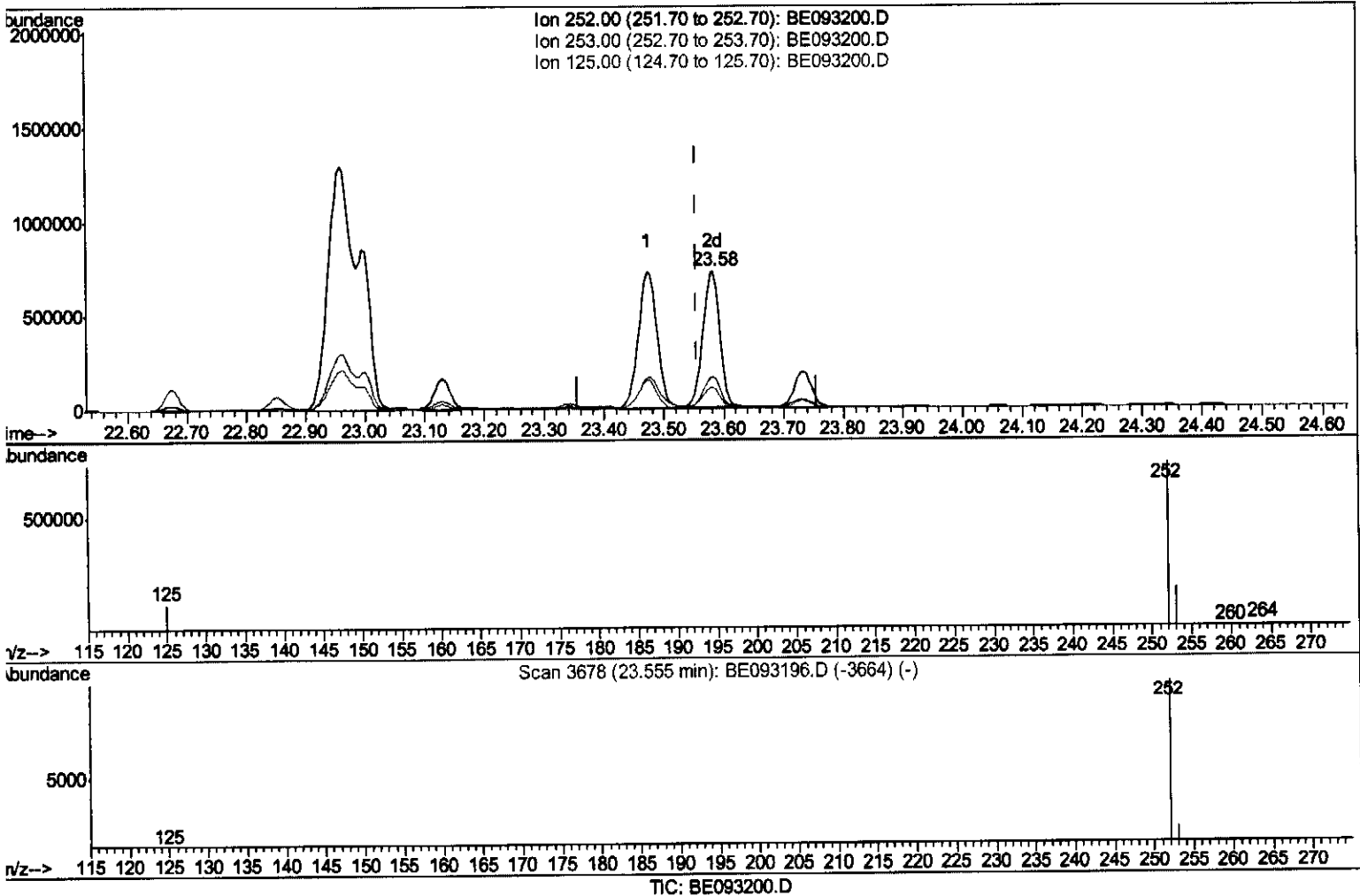
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.582min (+0.027) 25.88ng/ul m

06/21/12

response 1445681

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.40#
125.00	22.60	15.64#
0.00	0.00	0.00

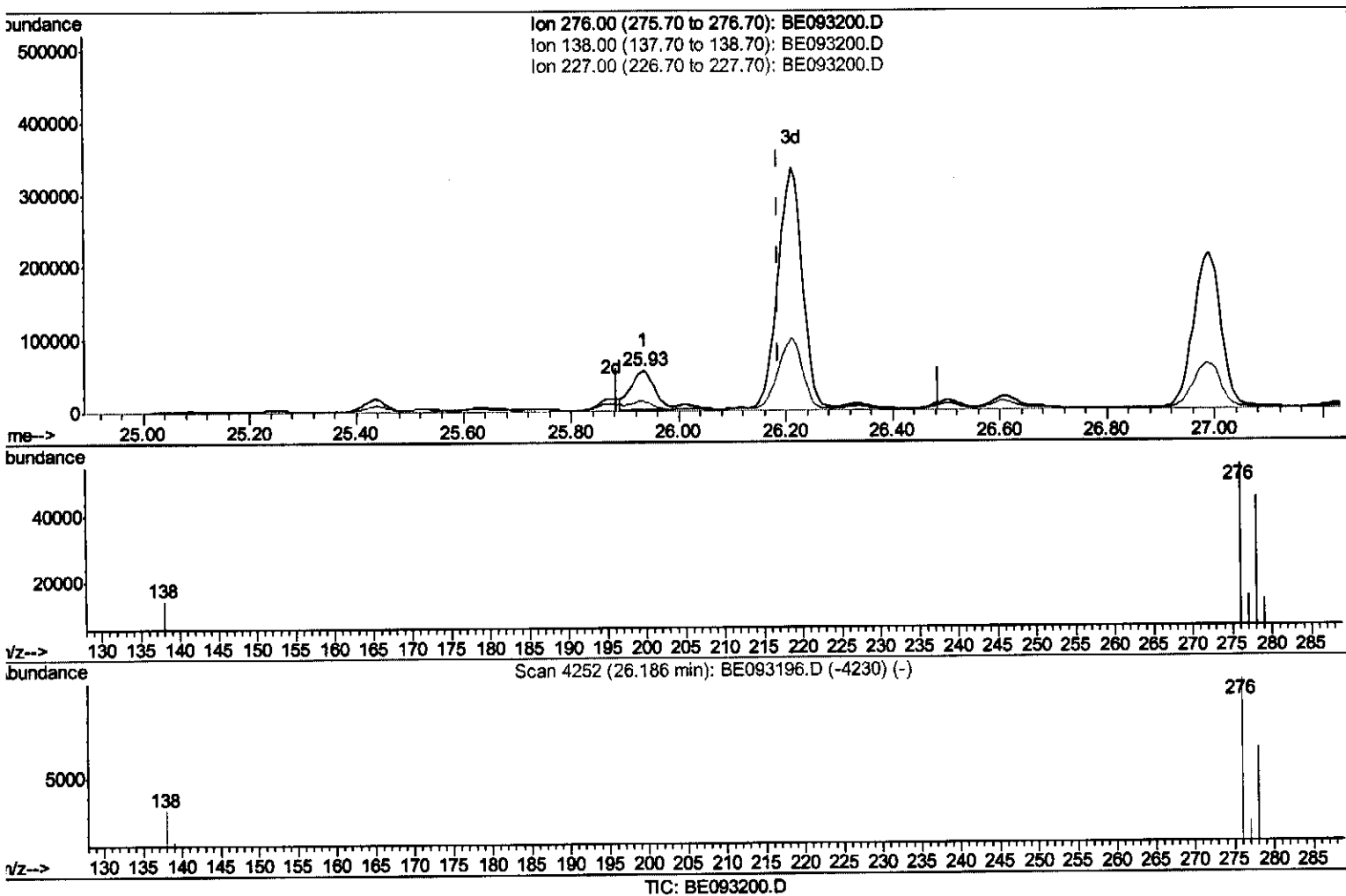
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(24) Indeno(1,2,3-cd)pyrene

25.935min (-0.251) 2.59ng/ul

response 167449

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	20.59#
227.00	10.00	0.00#
0.00	0.00	0.00

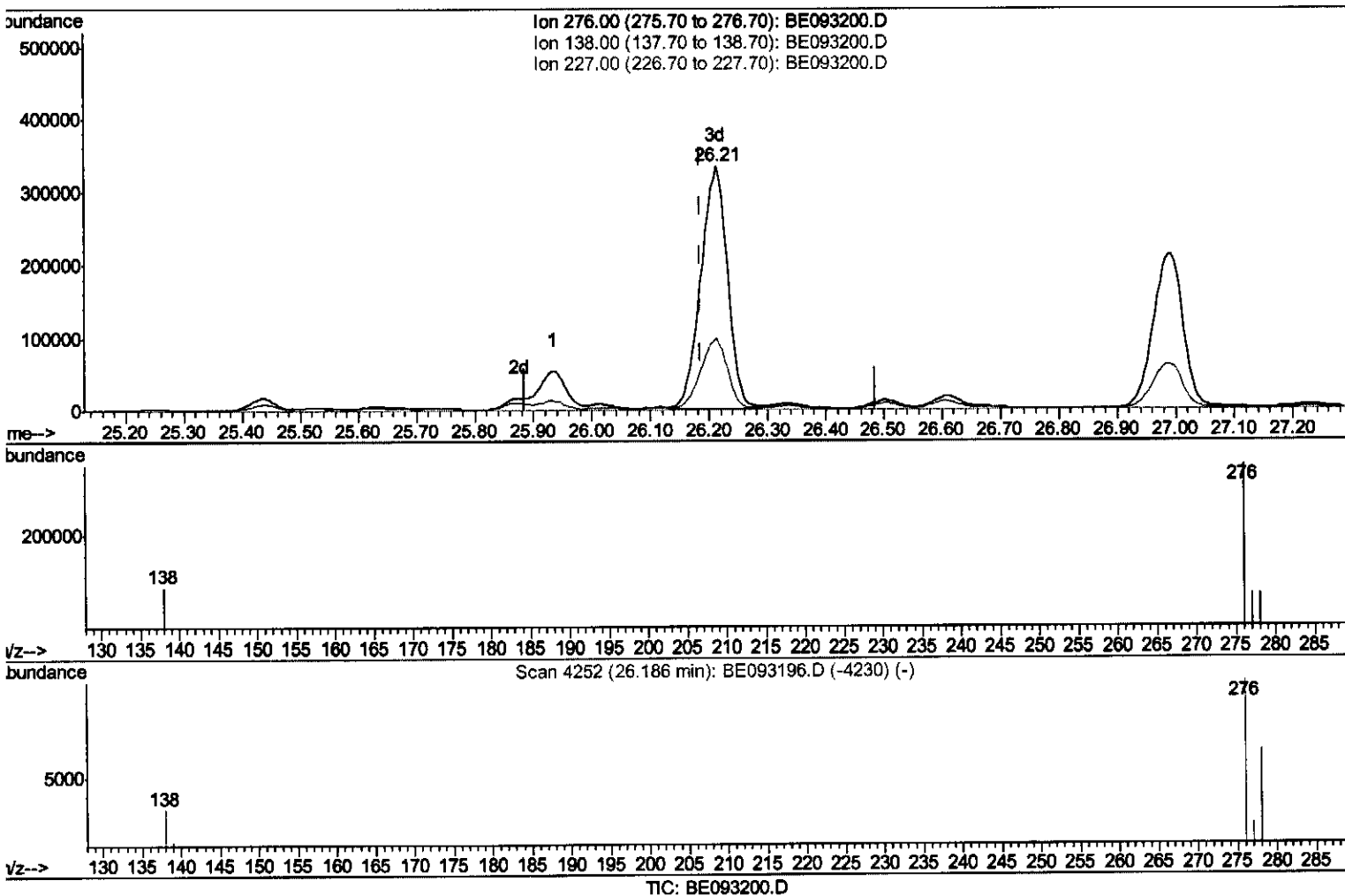
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(24) Indeno(1,2,3-cd)pyrene

26.213min (+0.027) 16.24ng/ul m

response 1050418

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.28#
227.00	10.00	0.00#
0.00	0.00	0.00

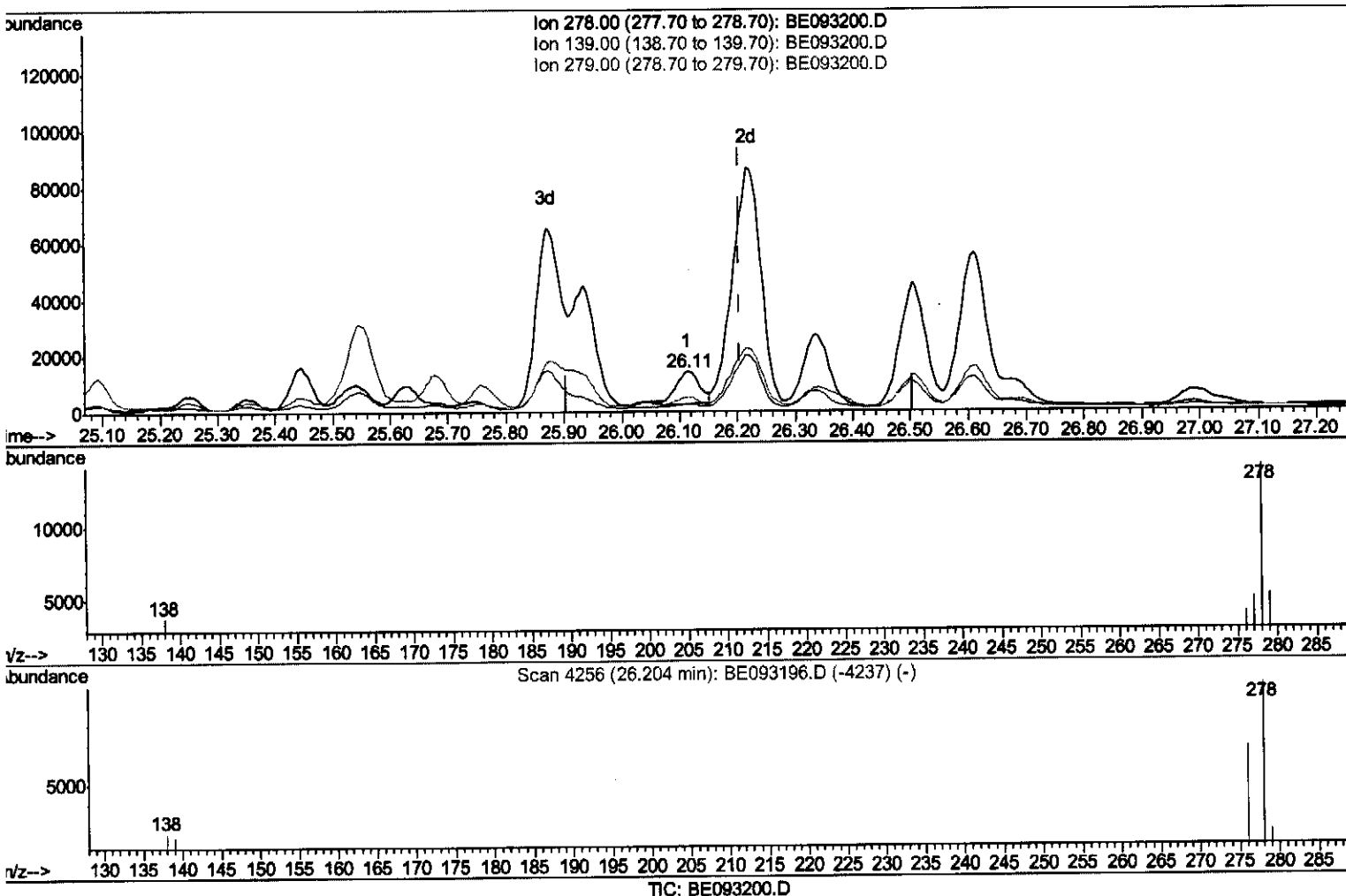
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.113min (-0.091) 0.59ng/ul

response 32274

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.72
279.00	32.40	36.29
0.00	0.00	0.00

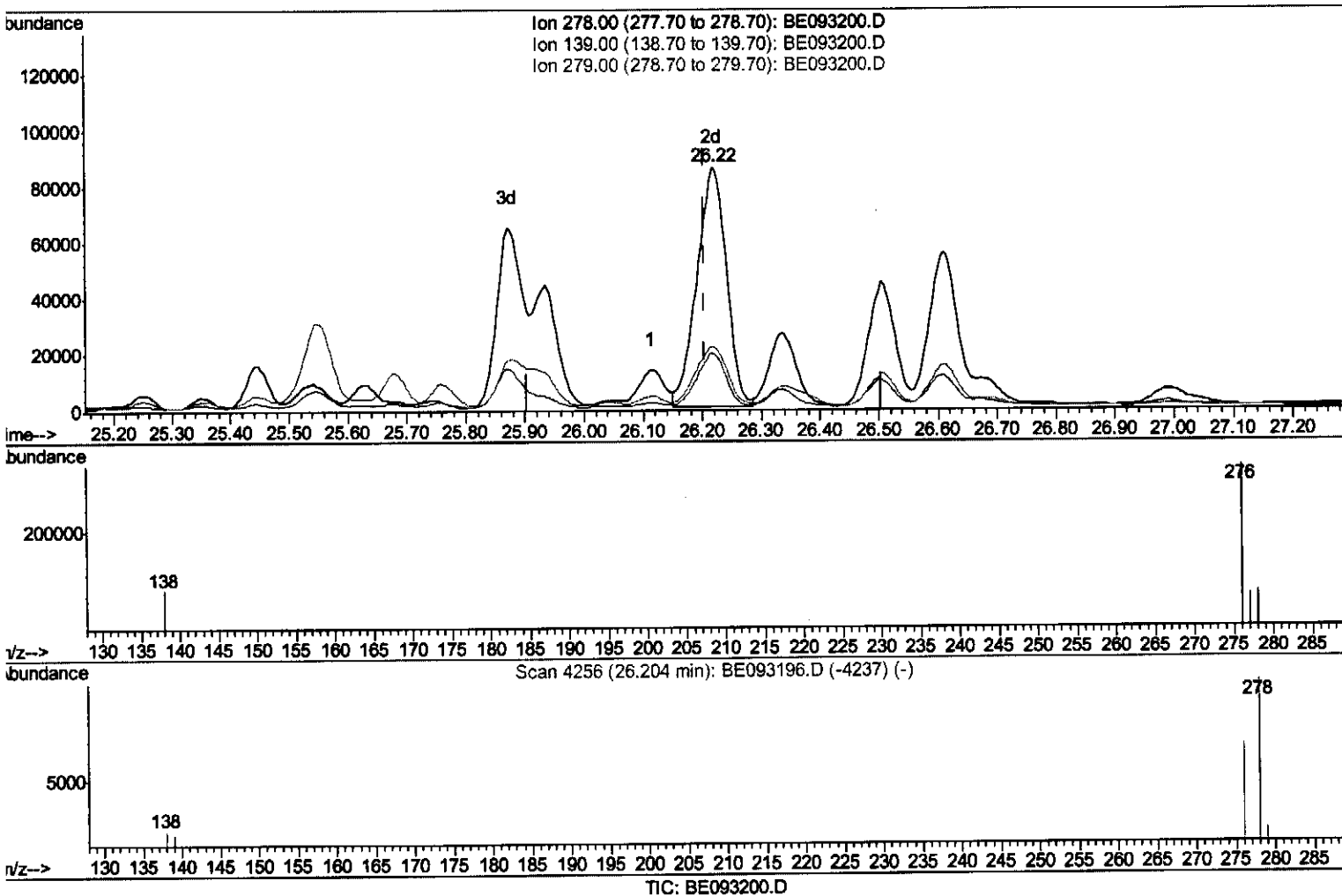
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093200.D
Acq On : 15 Jun 2017 9:53
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B47

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:35:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.217min (+0.013) 5.48ng/ul m

response 297550

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.20
279.00	32.40	26.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
 Data File : BE093200.D
 Acq On : 15 Jun 2017 9:53
 Operator : SJ/MA
 Sample : I3520-15
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F5B47

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:54:30 PM

Quant Time: Jun 15 11:37:06 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 07:58:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3120	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16435	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10225	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	23904m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	23887	0.40	ng/ul	0.00
20) Perylene-d12	23.68	264	19464m	0.40	ng/ul	0.01

06/21/17
 SJ 06/21/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	7167	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	16829	0.26	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	18245	0.447	ng/ul#	92
5) 2-Methylnaphthalene	12.19	142	4367	0.157	ng/ul	98
7) Acenaphthylene	14.08	152	199508	4.547	ng/ul	95
8) Acenaphthene	14.43	153	5595	0.158	ng/ul	96
9) Fluorene	15.42	166	8005	0.193	ng/ul	90
12) Phenanthrene	17.14	178	428574	6.516	ng/ul#	85
13) Anthracene	17.24	178	272234	4.754	ng/ul#	92
15) Fluoranthene	19.17	202	4138629	51.311	ng/ul	83
17) Pyrene	19.53	202	4075052	57.848	ng/ul	92
18) Benzo(a)anthracene	21.25	228	1934077	30.355	ng/ul#	83
19) Chrysene	21.31	228	2736335	41.400	ng/ul	97
21) Benzo(b)fluoranthene	22.96	252	3343065	56.597	ng/ul	89
22) Benzo(k)fluoranthene	22.99	252	1183534m	18.866	ng/ul	97
23) Benzo(a)pyrene	23.58	252	1445681m	25.885	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.21	276	1050418m	16.243	ng/ul	
25) Dibenzo(a,h)anthracene	26.22	278	297550m	5.464	ng/ul	
26) Benzo(g,h,i)perylene	26.99	276	747924	13.486	ng/ul	97

SJ 06/21/17

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