

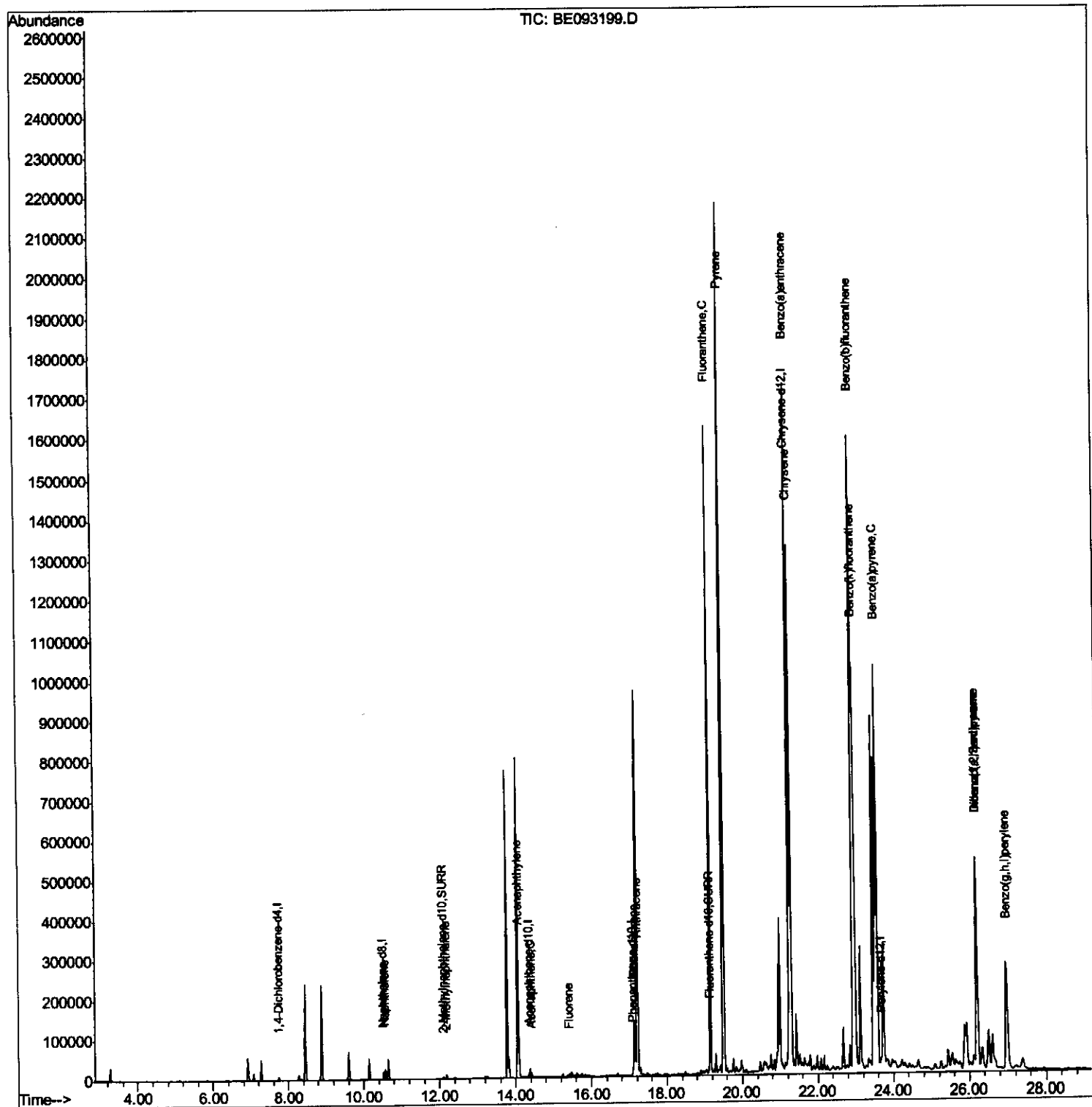
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:30:48 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



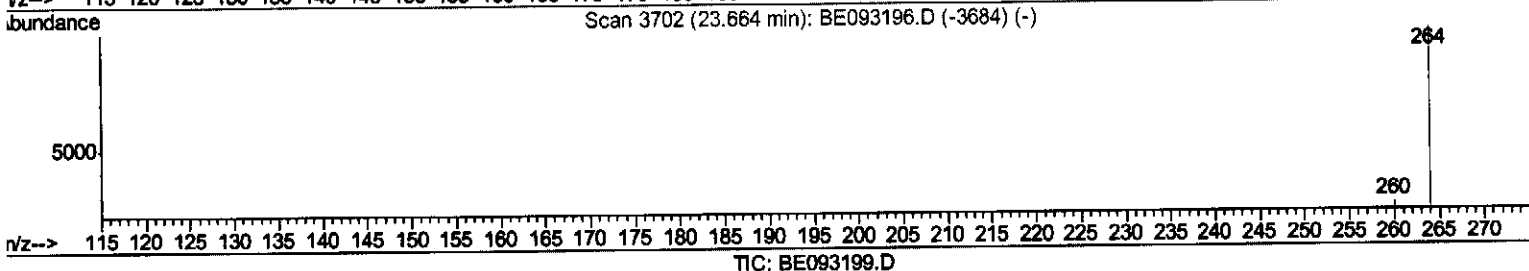
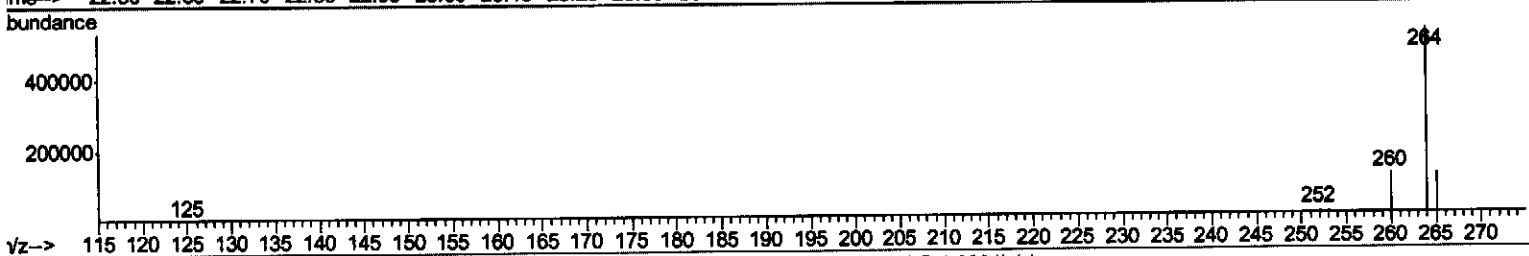
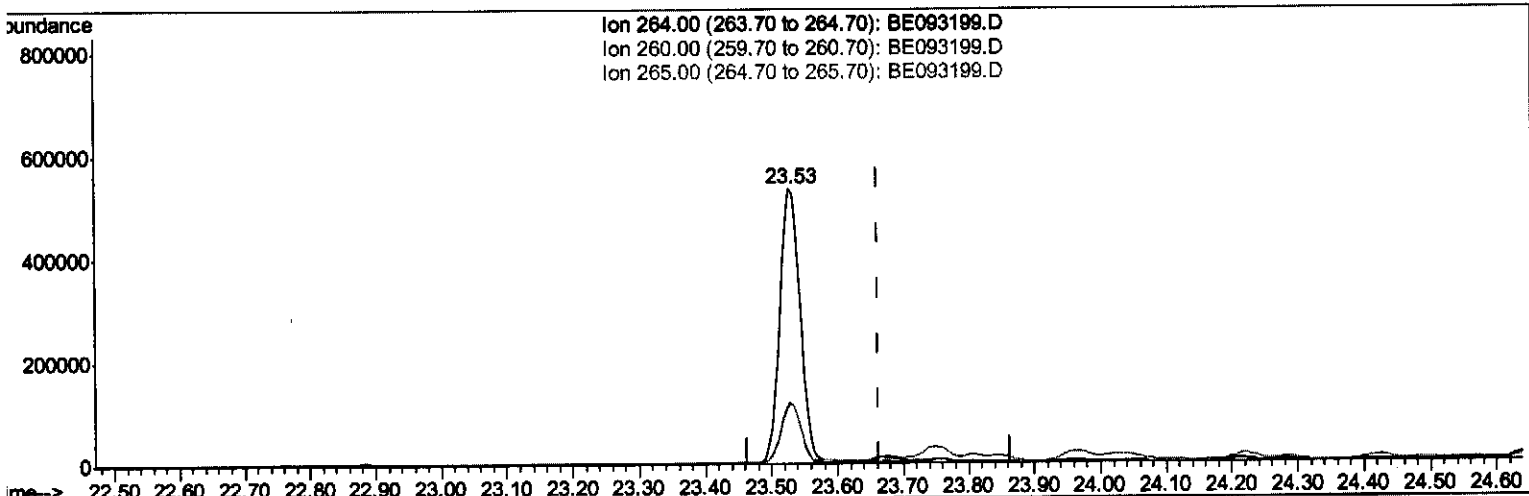
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:25:19 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)

23.528min (-0.136) 0.40ng/ul

response 1153684

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.38#
265.00	103.50	21.59#
0.00	0.00	0.00

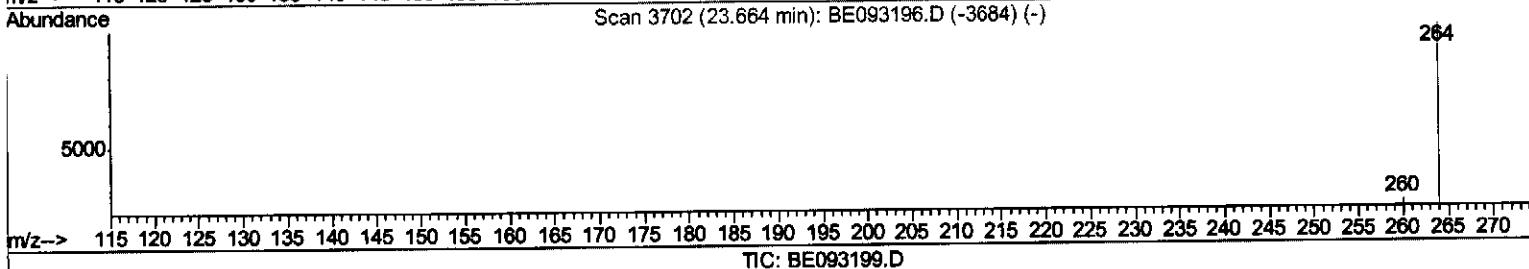
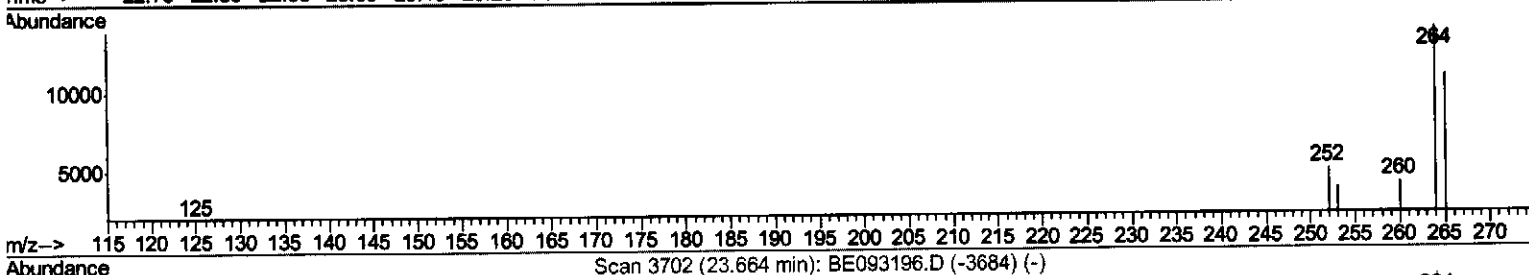
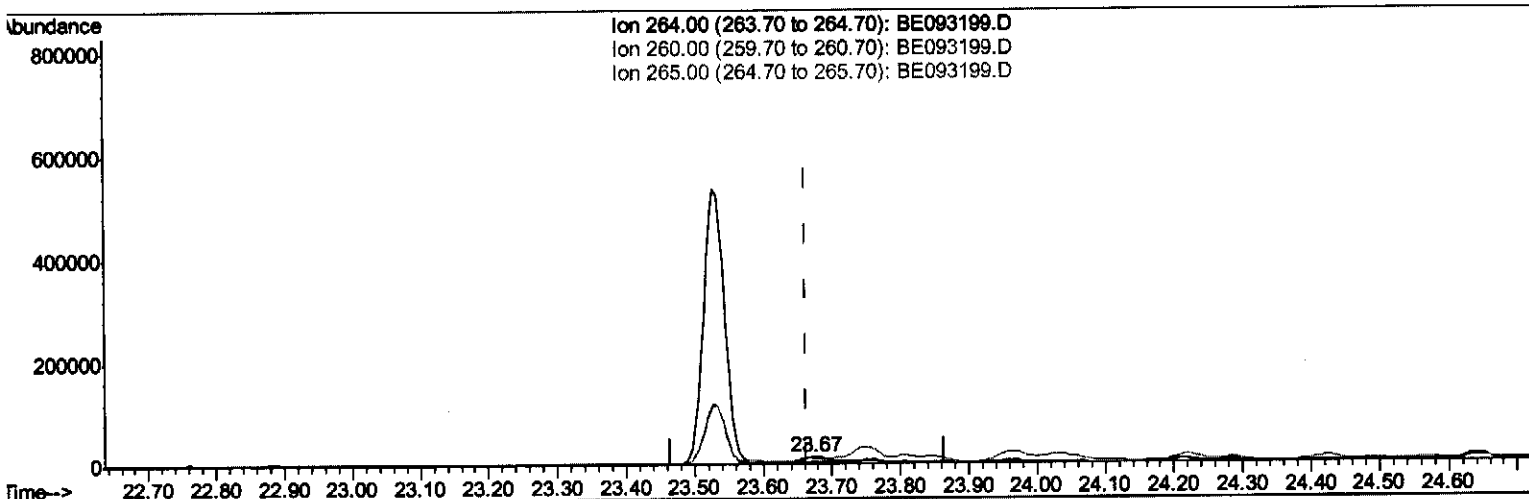
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:25:19 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)

23.674min (+0.009) 0.40ng/ul m

response 23557

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.63
265.00	103.50	77.88#
0.00	0.00	0.00

SJ/MA
6/21/17

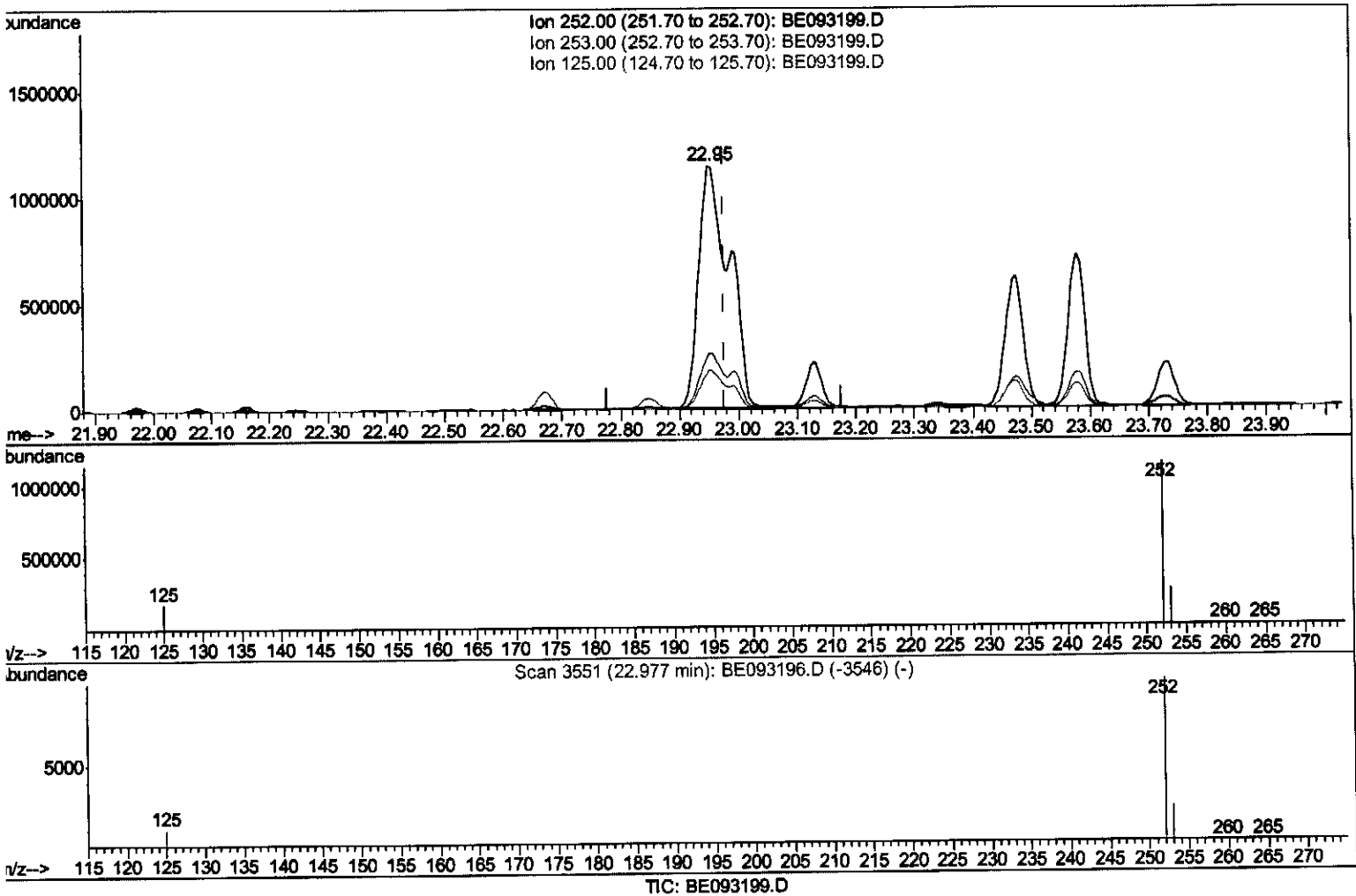
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleID :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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

22.950min (-0.027) 53.84ng/ul

response 4087641

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.95#
125.00	17.10	15.73
0.00	0.00	0.00

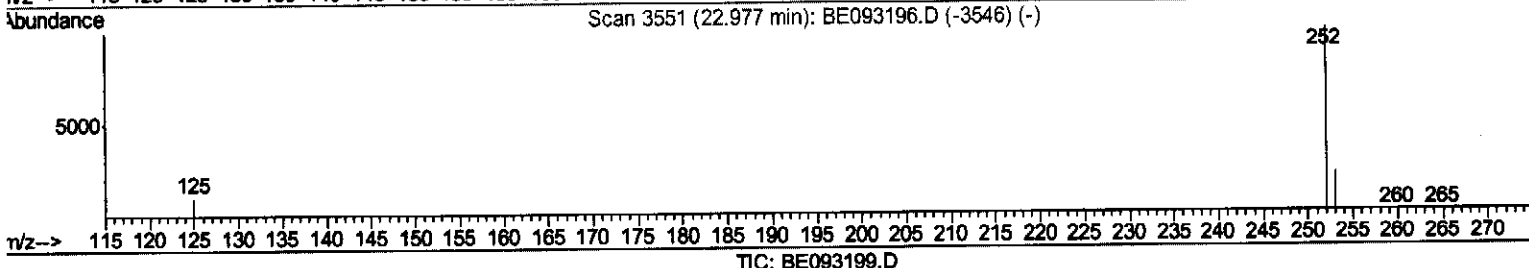
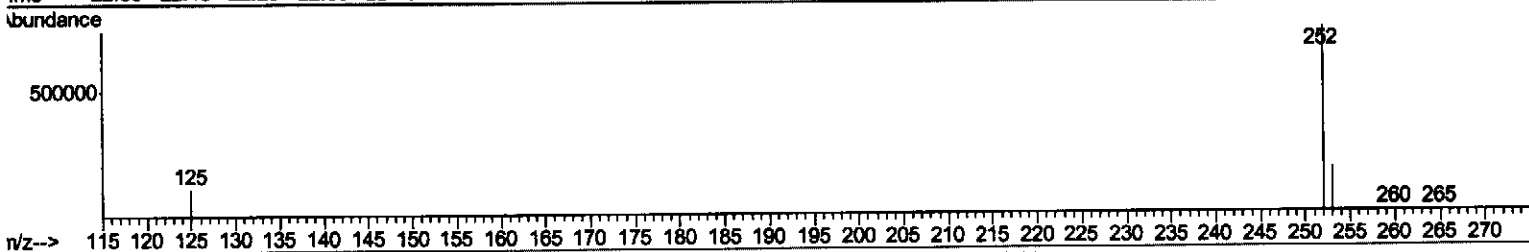
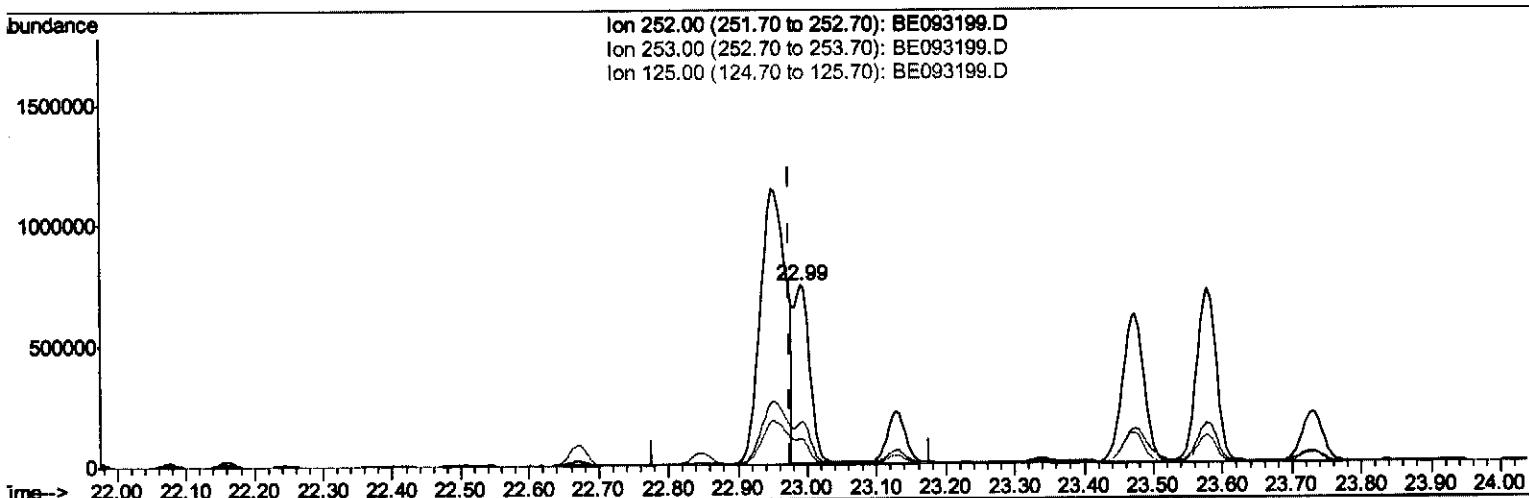
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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

22.991min (+0.014) 15.60ng/ul m

response 1184225

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.71#
125.00	17.10	14.68
0.00	0.00	0.00

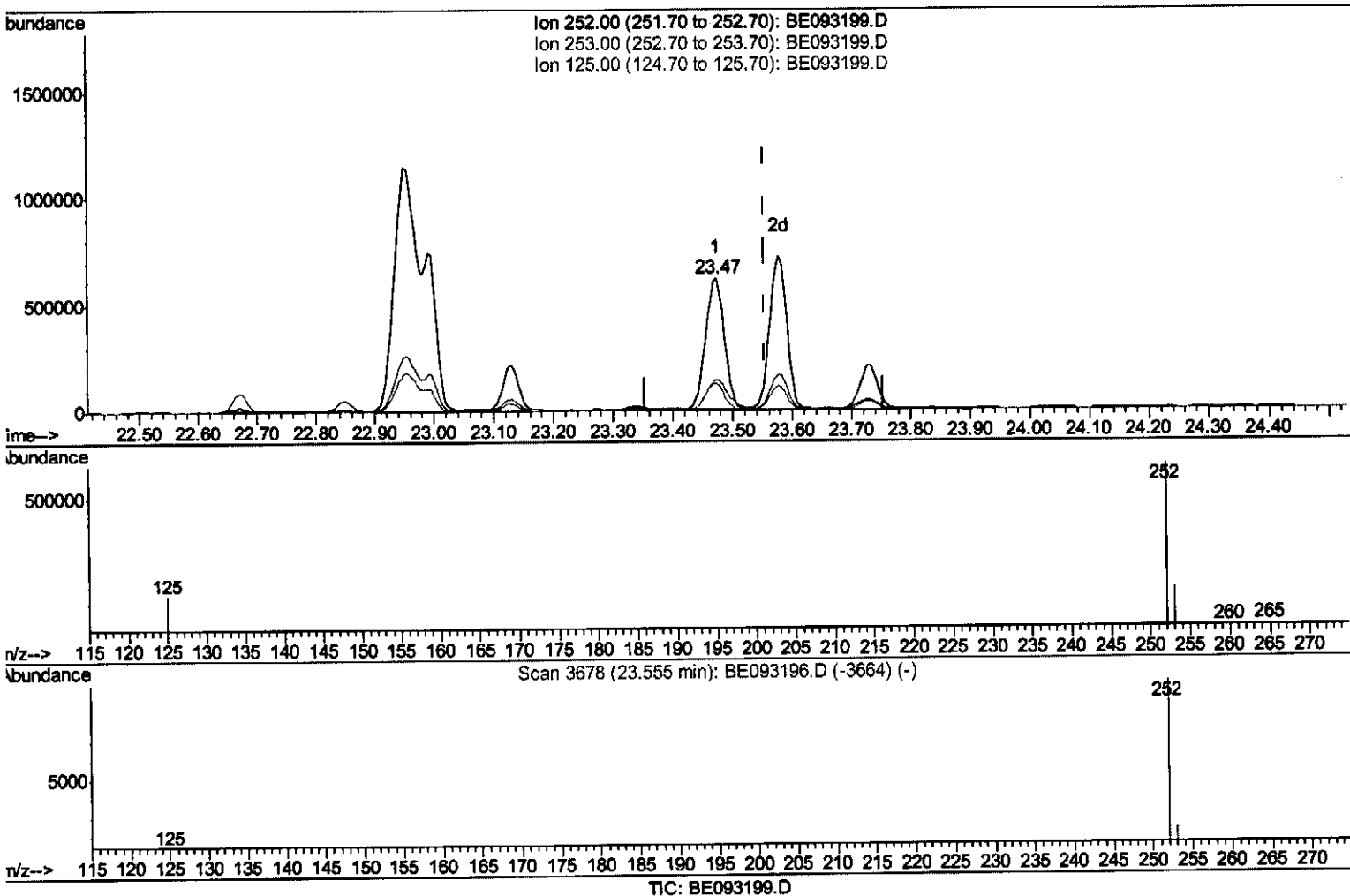
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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) 19.78ng/ul

response 1337239

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.28#
125.00	22.60	20.44
0.00	0.00	0.00

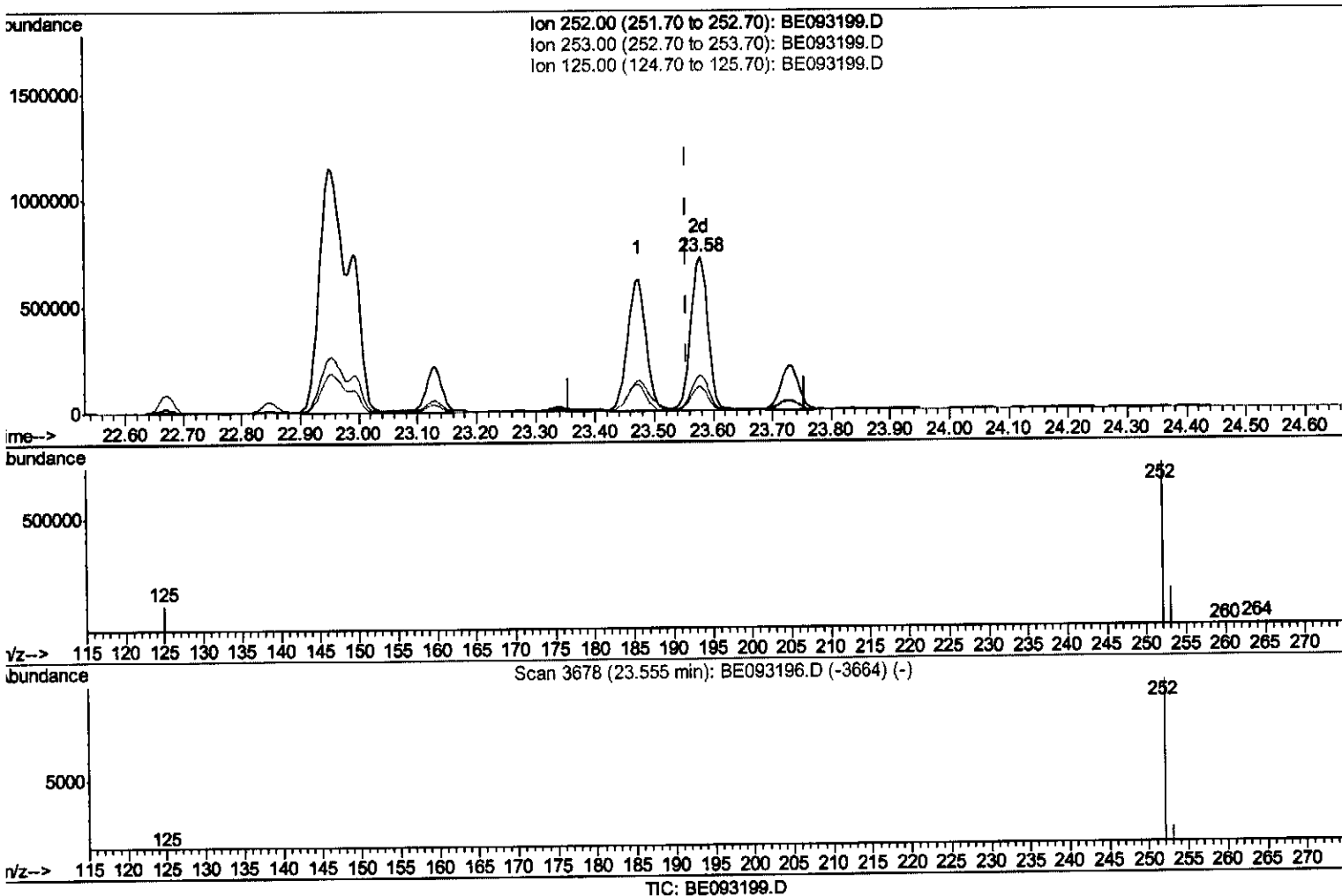
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleID :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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)

23.578min (+0.023) 21.61ng/ul m

response 1460426

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.18#
125.00	22.60	15.68#
0.00	0.00	0.00

JS
06/21/17

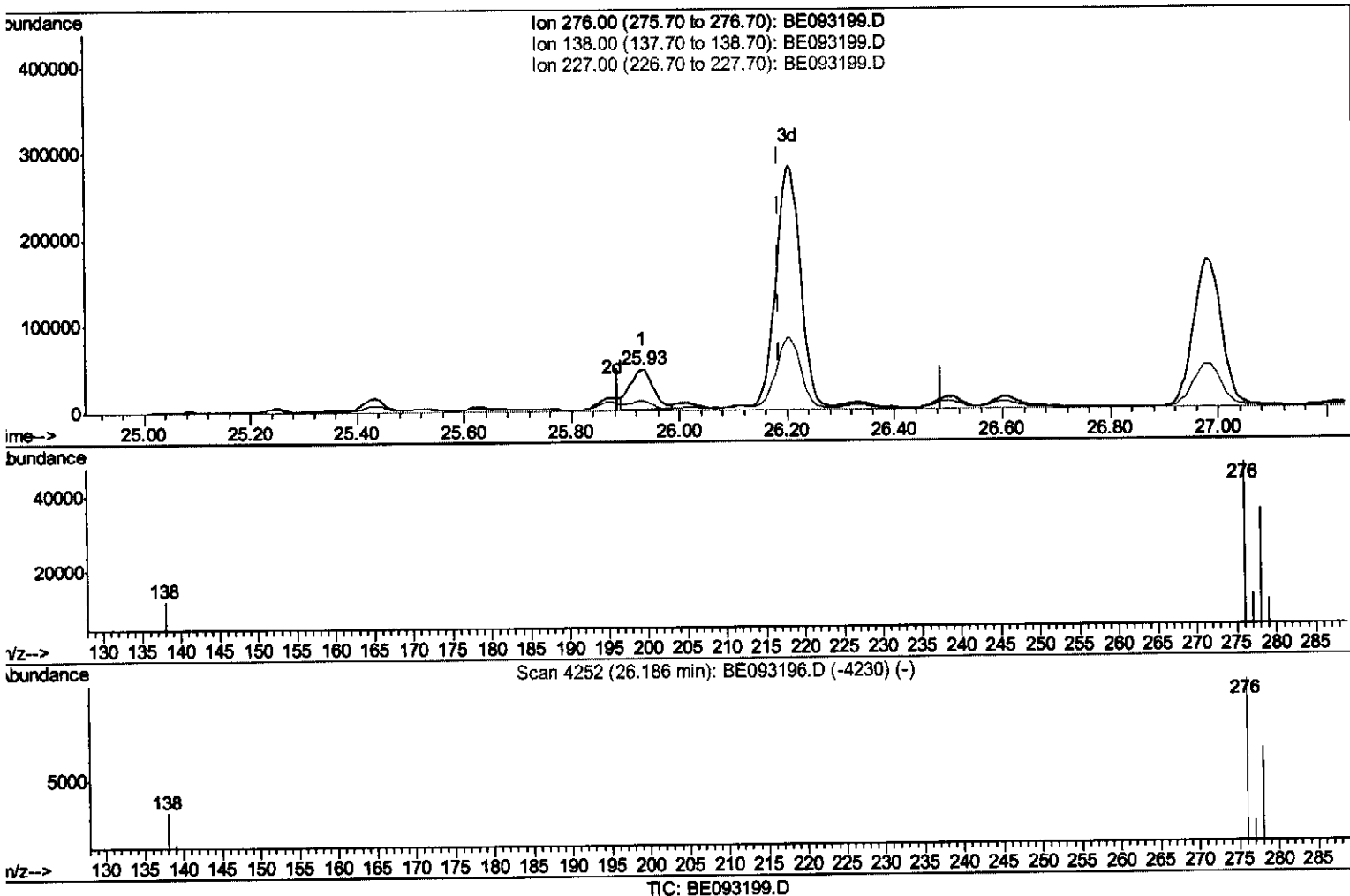
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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

25.930min (-0.255) 1.79ng/ul

response 140332

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	21.18#
227.00	10.00	0.00#
0.00	0.00	0.00

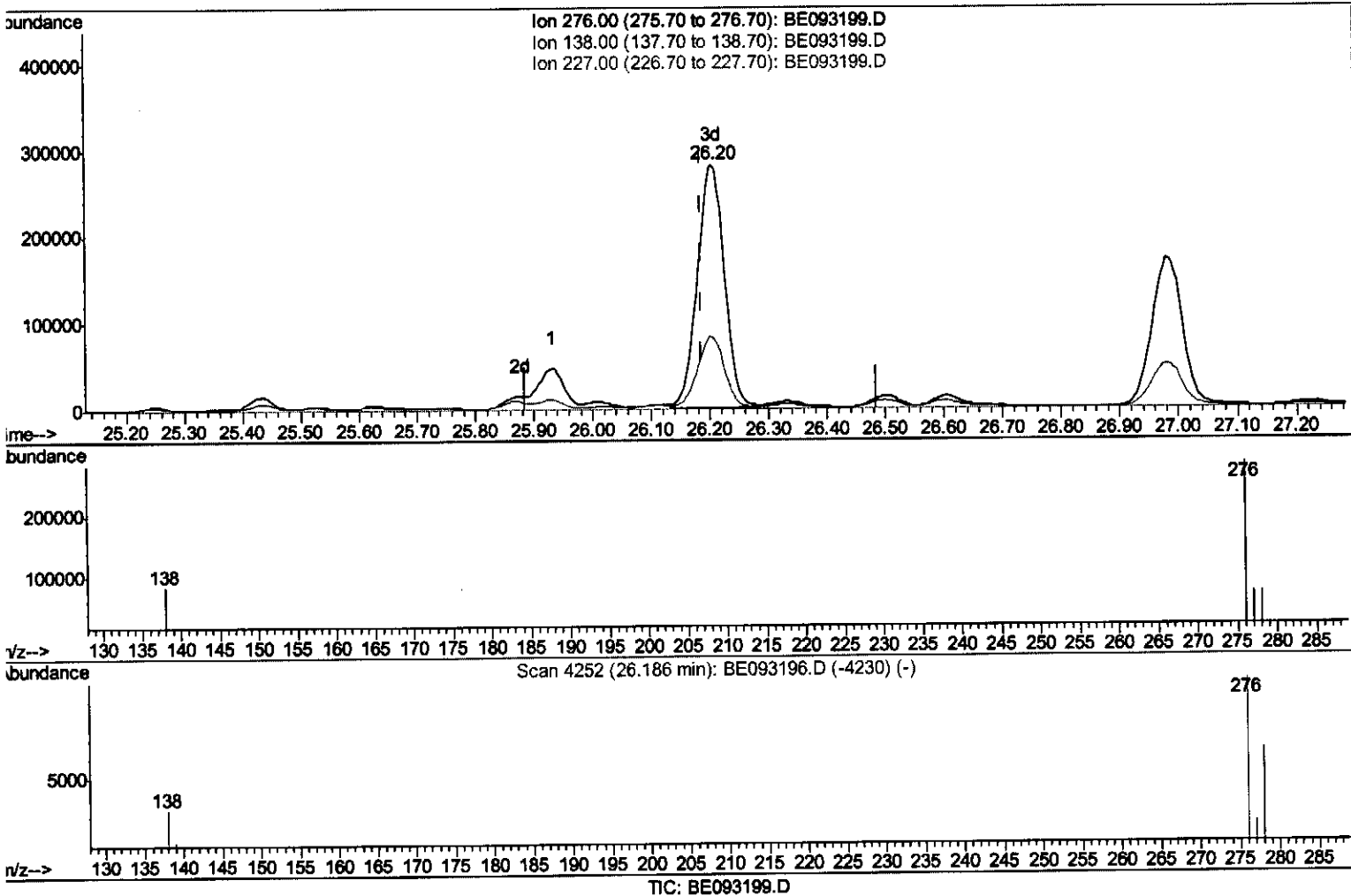
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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

26.204min (+0.018) 11.44ng/ul m

response 895688

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.32#
227.00	10.00	0.00#
0.00	0.00	0.00

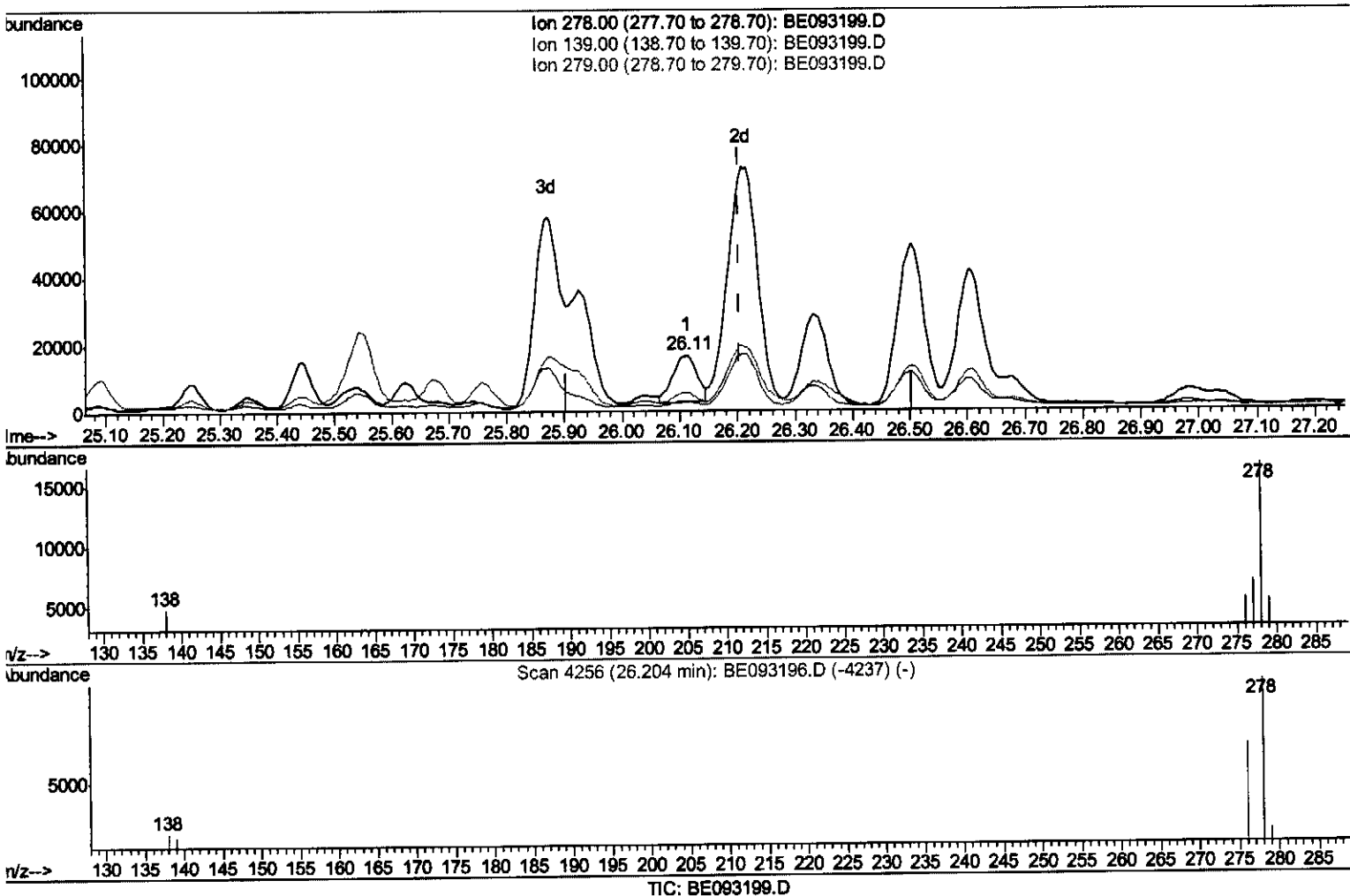
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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) 0.62ng/ul

response 41126

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	18.47
279.00	32.40	31.81
0.00	0.00	0.00

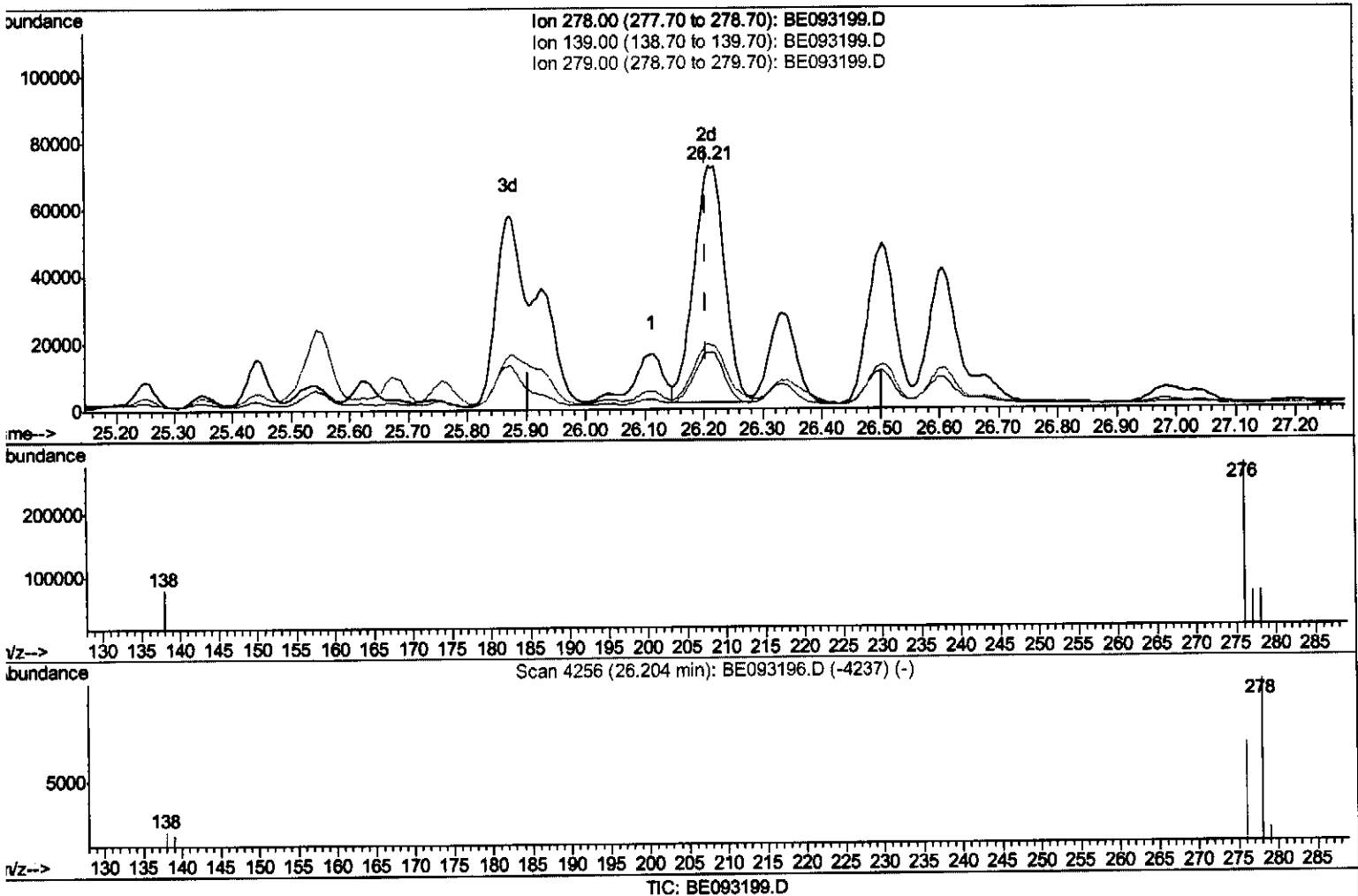
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093199.D
Acq On : 15 Jun 2017 9:17
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B17

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:28:33 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

26.208min (+0.005) 3.87ng/ul m

response 255380

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.13
279.00	32.40	26.54
0.00	0.00	0.00

JS
06/21/17

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
 Data File : BE093199.D
 Acq On : 15 Jun 2017 9:17
 Operator : SJ/MA
 Sample : I3522-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F5B17

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:54:28 PM

Quant Time: Jun 15 11:30:48 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	3702	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	19535	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11989	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	27470	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	28223	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	23557m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	6328	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	16510	0.22	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	37046	0.764	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	9156	0.276	ng/ul	98
7) Acenaphthylene	14.08	152	183007	3.557	ng/ul	96
8) Acenaphthene	14.43	153	7366	0.177	ng/ul	98
9) Fluorene	15.42	166	7366	0.151	ng/ul	91
12) Phenanthrene	17.14	178	150555	1.992	ng/ul#	86
13) Anthracene	17.22	178	290414	4.413	ng/ul#	86
15) Fluoranthene	19.16	202	1717112	18.525	ng/ul	84
17) Pyrene	19.52	202	2203257	26.472	ng/ul#	87
18) Benzo(a)anthracene	21.25	228	1530413	20.329	ng/ul#	84
19) Chrysene	21.30	228	1589054	20.348	ng/ul	96
21) Benzo(b)fluoranthene	22.95	252	2912891	40.746	ng/ul	88
22) Benzo(k)fluoranthene	22.99	252	1184225m	15.597	ng/ul	} SJ 06/14/17
23) Benzo(a)pyrene	23.58	252	1460426m	21.605	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.20	276	895688m	11.444	ng/ul	
25) Dibenzo(a,h)anthracene	26.21	278	255380m	3.875	ng/ul	
26) Benzo(g,h,i)perylene	26.98	276	614991	9.162	ng/ul	97

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