

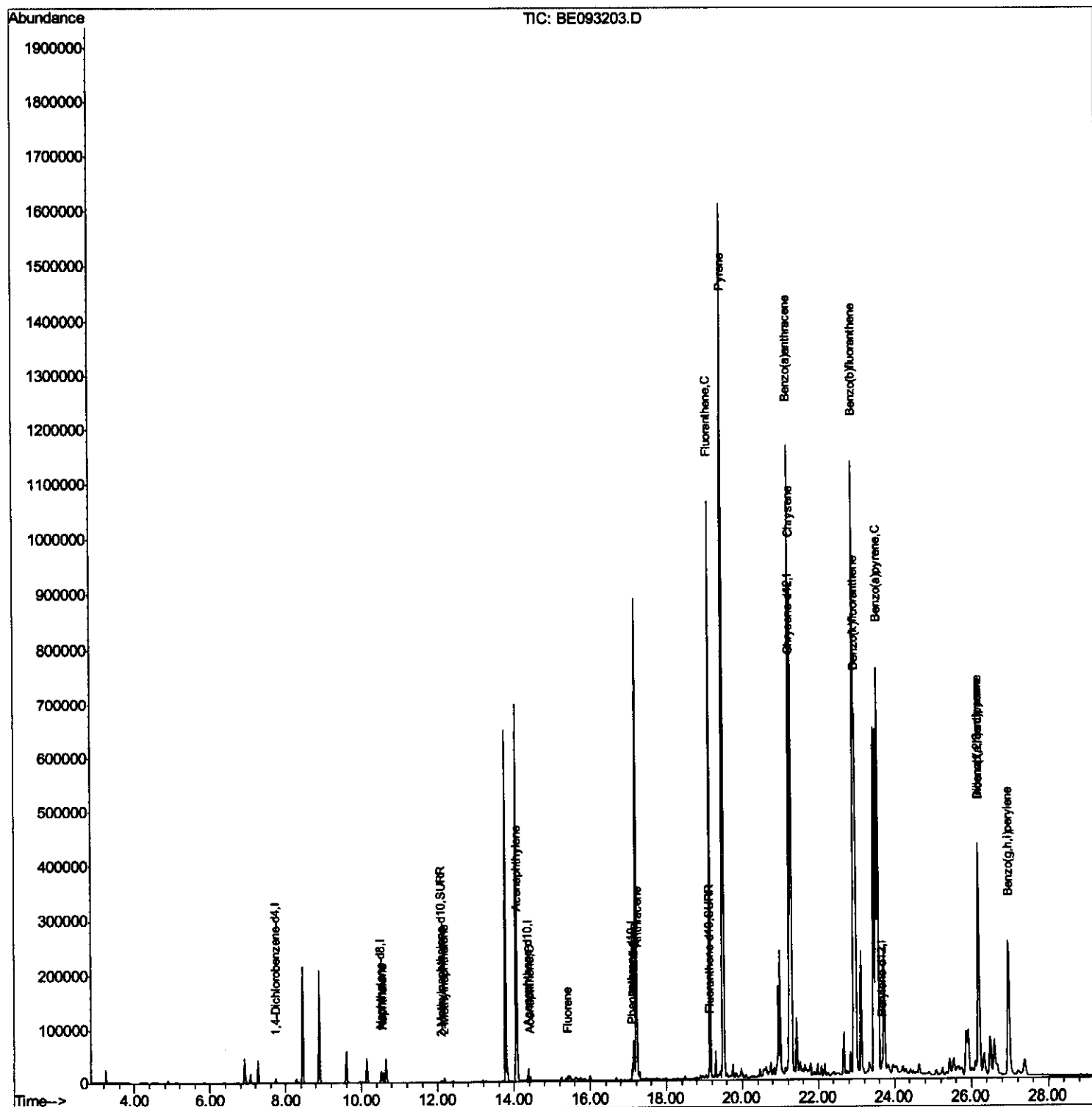
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:22:57 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



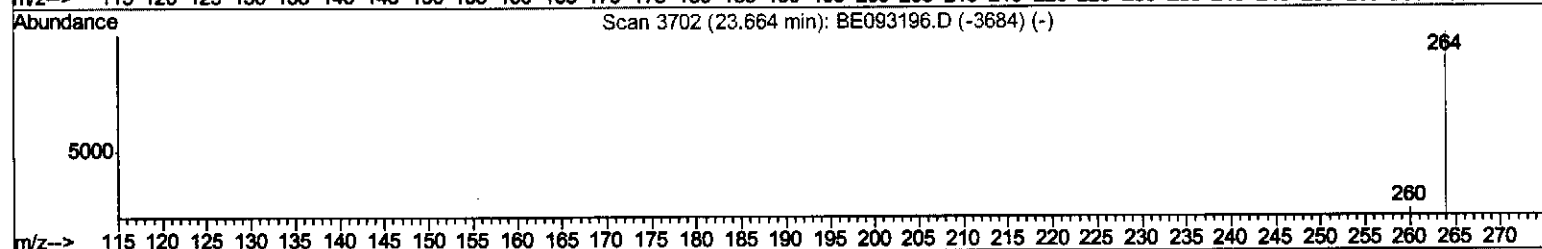
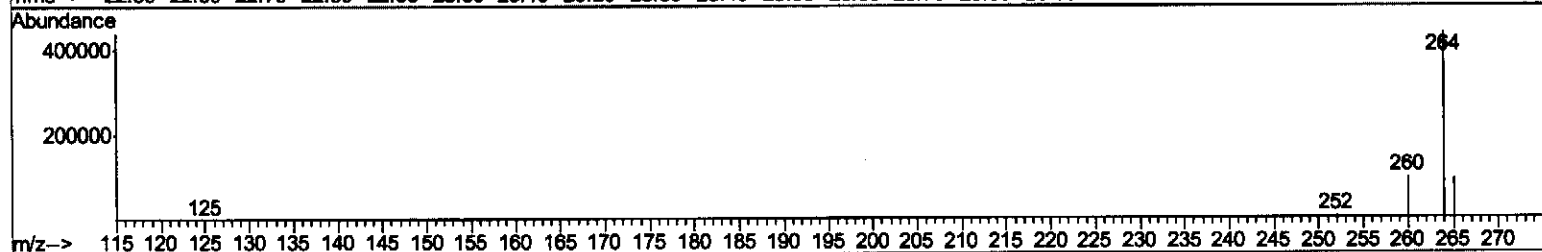
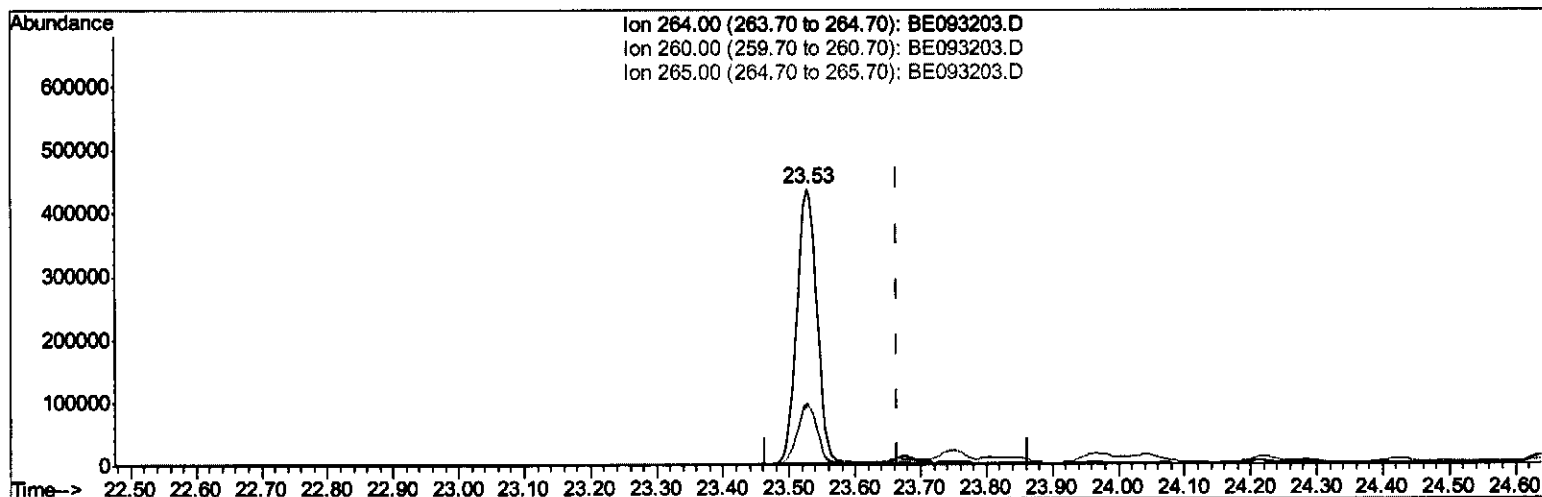
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
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Instrument :
BNA_E
ClientSampleId :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:11:00 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BE093203.D

(20) Perylene-d12 (I)

23.528min (-0.137) 0.40ng/ul

response 925915

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.47#
265.00	103.50	21.61#
0.00	0.00	0.00

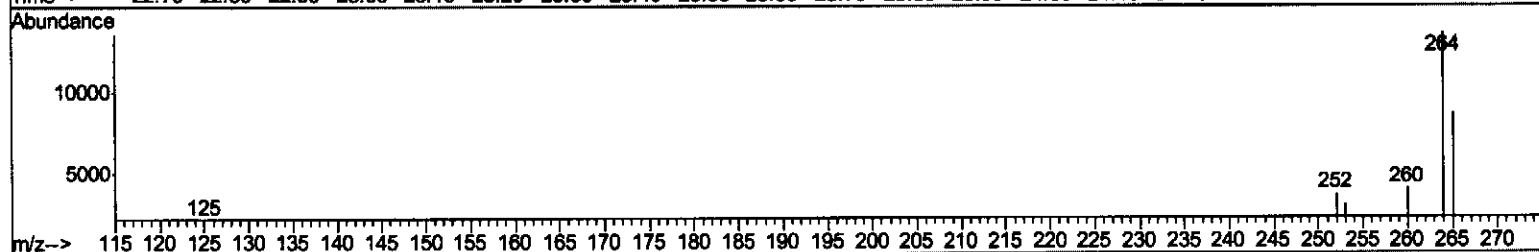
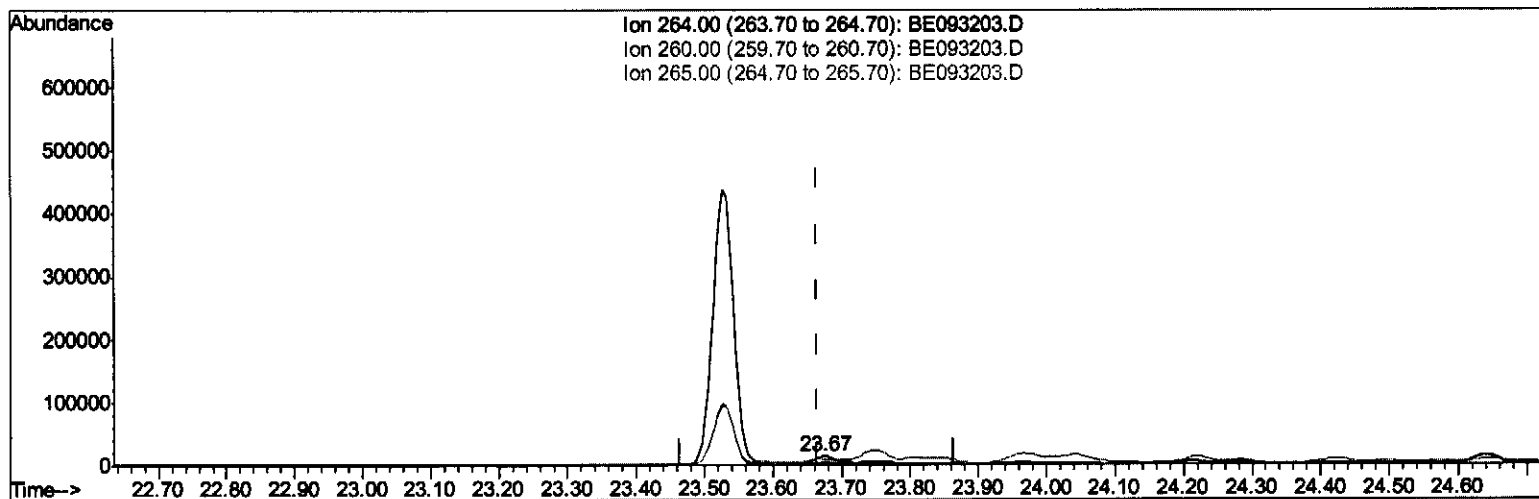
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C18

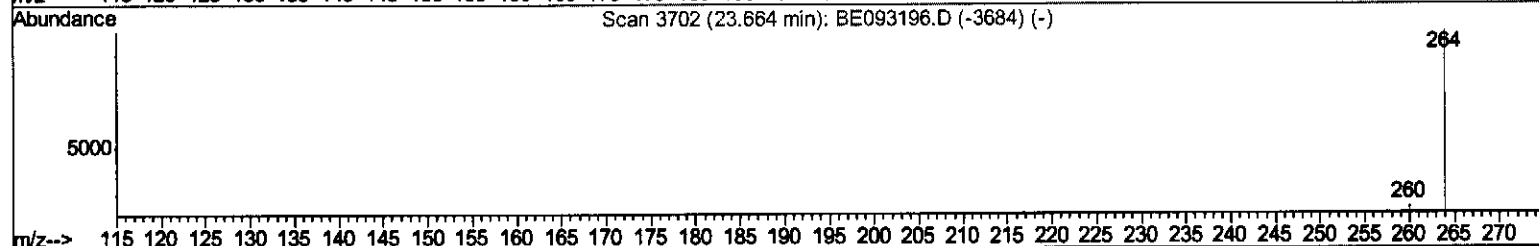
Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:11:00 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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QLast Update : Thu Jun 15 07:58:47 2017
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Scan 3702 (23.664 min): BE093196.D (-3684) (-)



TIC: BE093203.D

(20) Perylene-d12 (I)

23.673min (+0.009) 0.40ng/ul m

SJ 06/21/17

response 22584

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.82
265.00	103.50	63.06#
0.00	0.00	0.00

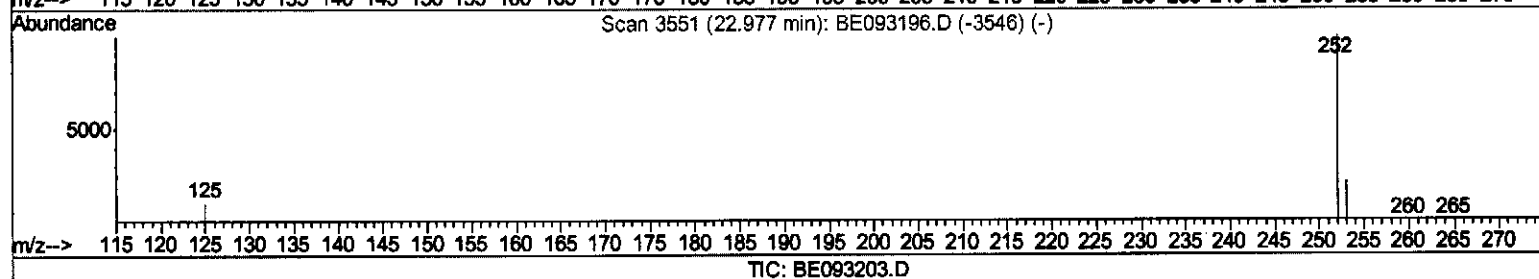
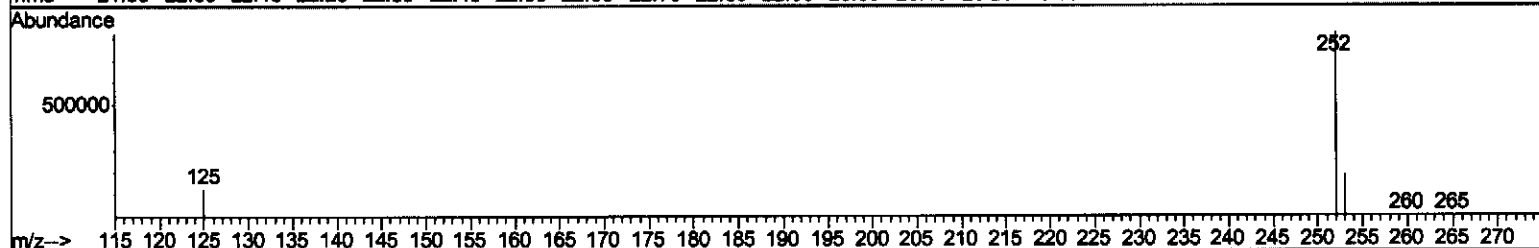
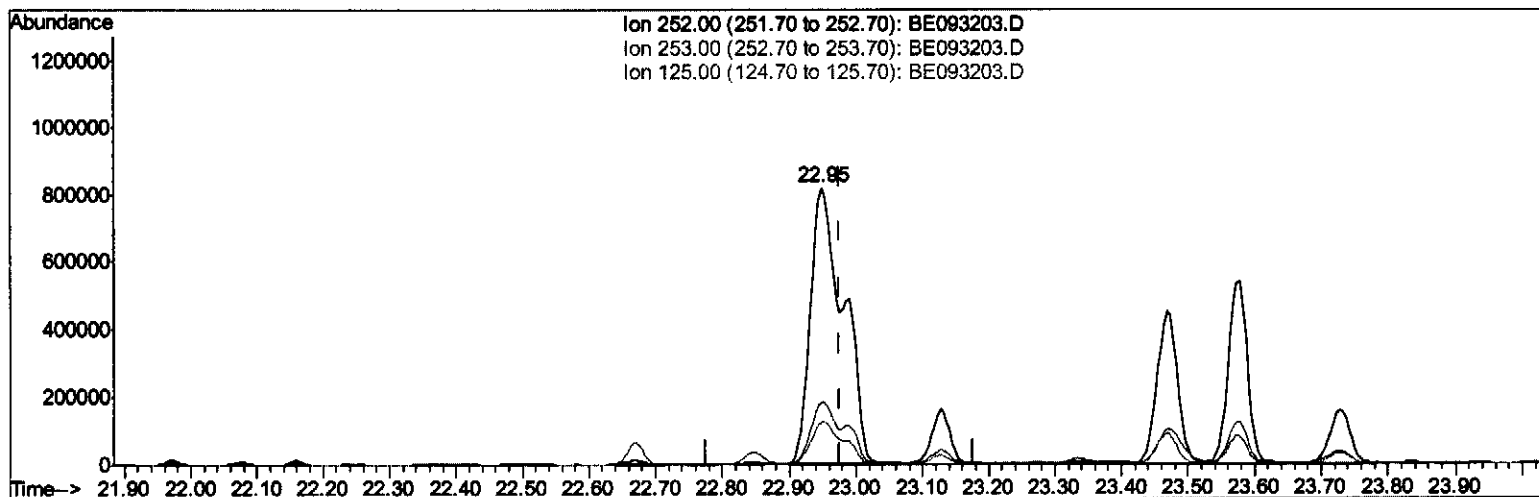
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:19:52 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

22.949min (-0.027) 38.32ng/ul

response 2789102

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.88#
125.00	17.10	15.41
0.00	0.00	0.00

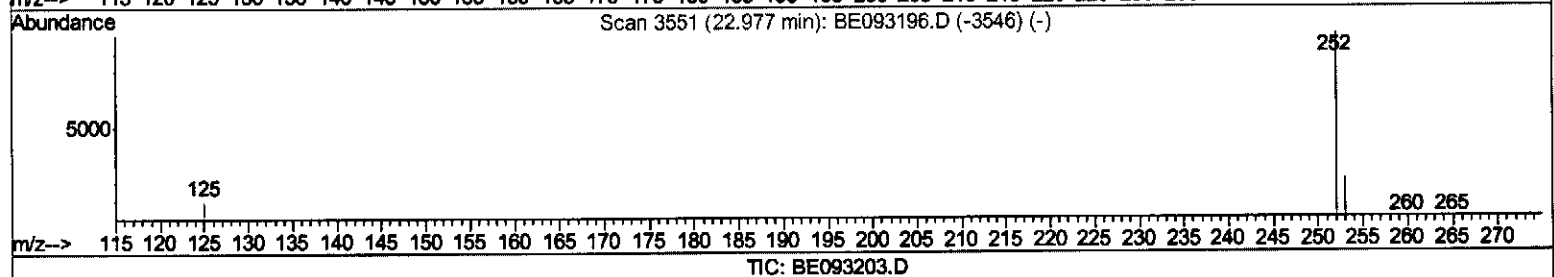
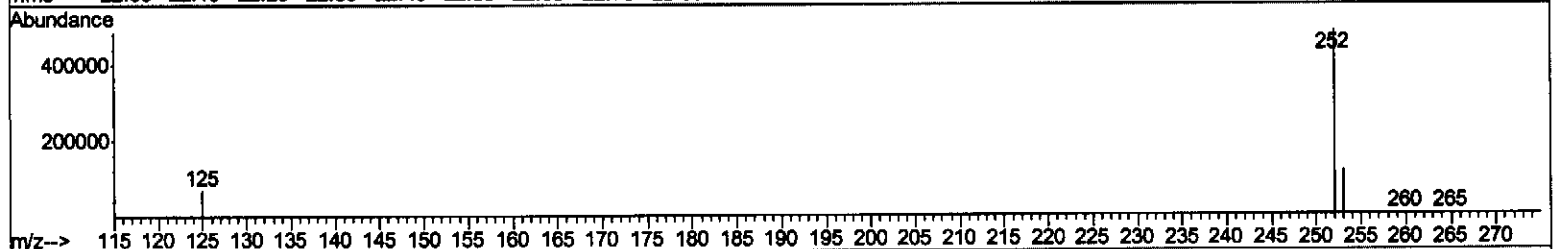
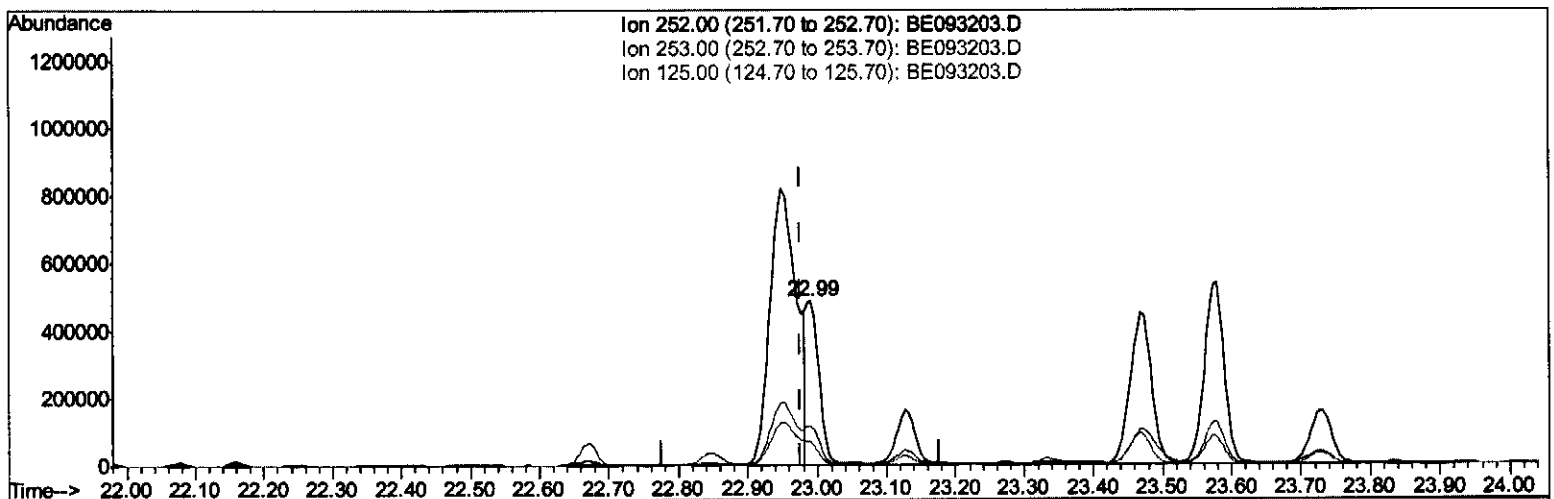
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:19:52 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

22.990min (+0.013) 8.57ng/ul m

response 623804

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.96#
125.00	17.10	14.36
0.00	0.00	0.00

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6/21/17

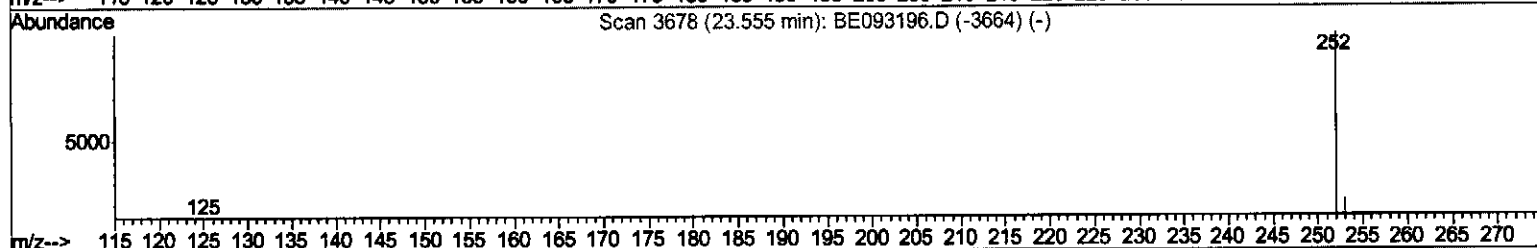
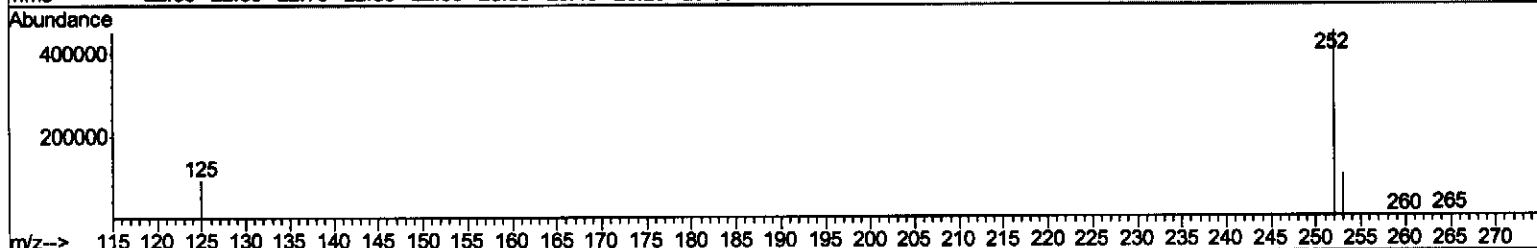
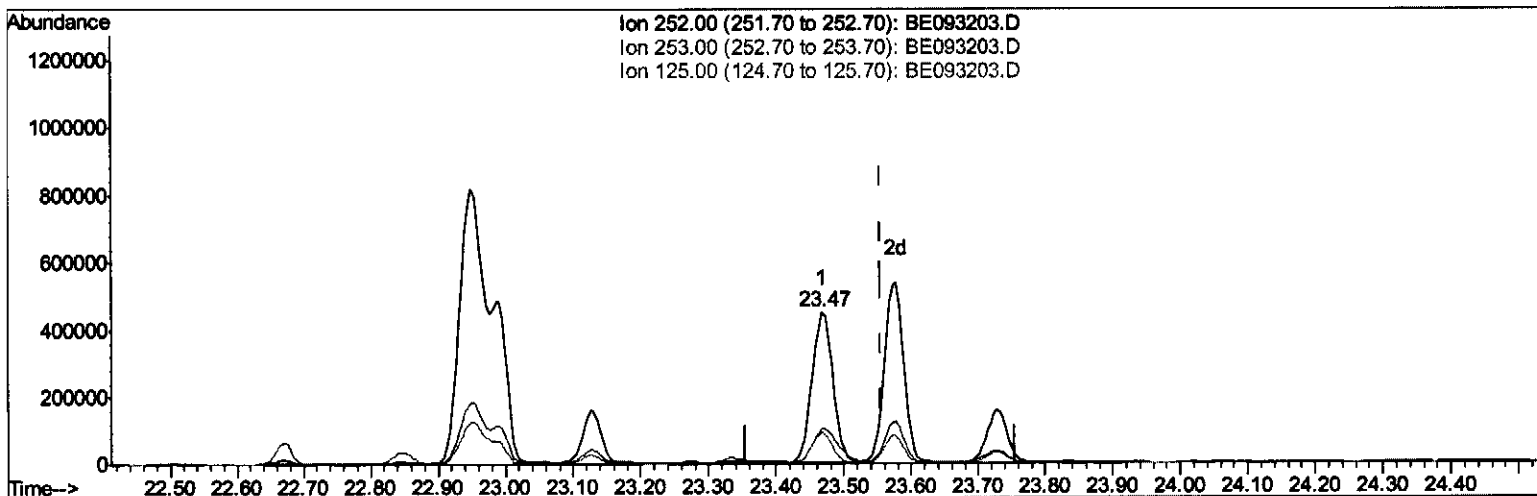
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleID :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:19:52 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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(23) Benzo(a)pyrene (C)

23.468min (-0.087) 14.86ng/ul

response 962758

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.94#
125.00	22.60	20.39
0.00	0.00	0.00

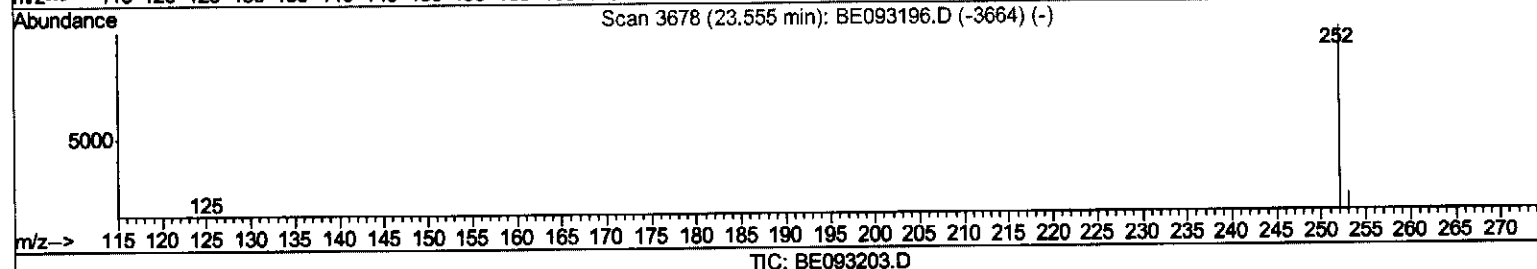
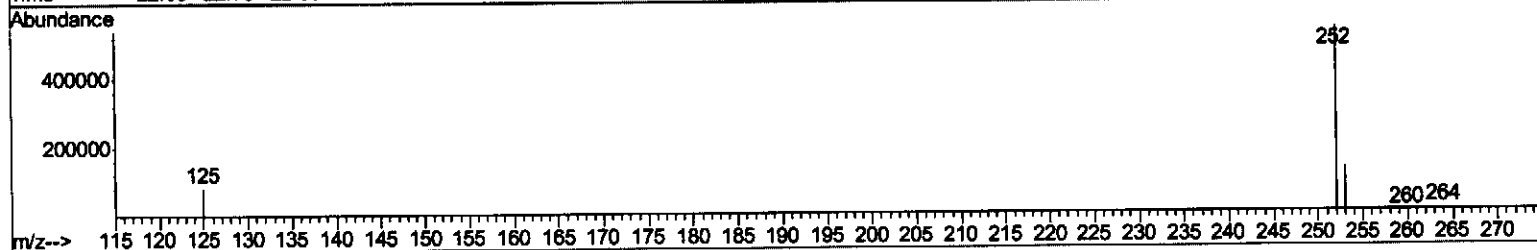
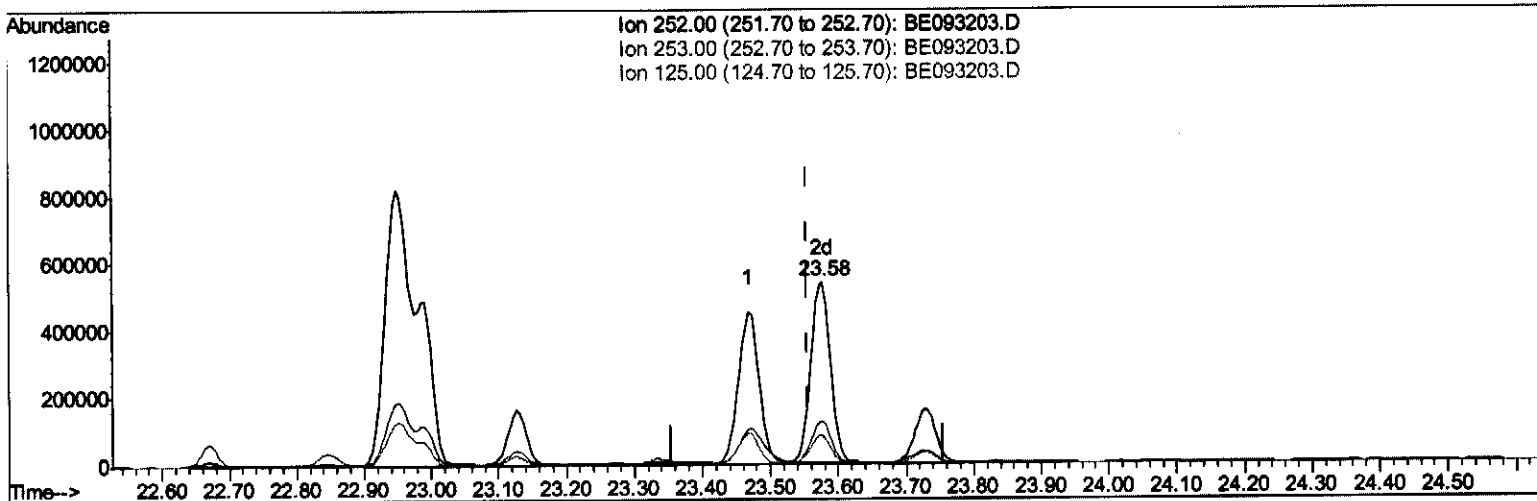
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:19:52 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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QLast Update : Thu Jun 15 07:58:47 2017
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(23) Benzo(a)pyrene (C)

23.578min (+0.023) 16.51ng/ul m

response 1070223

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.41#
125.00	22.60	15.44#
0.00	0.00	0.00

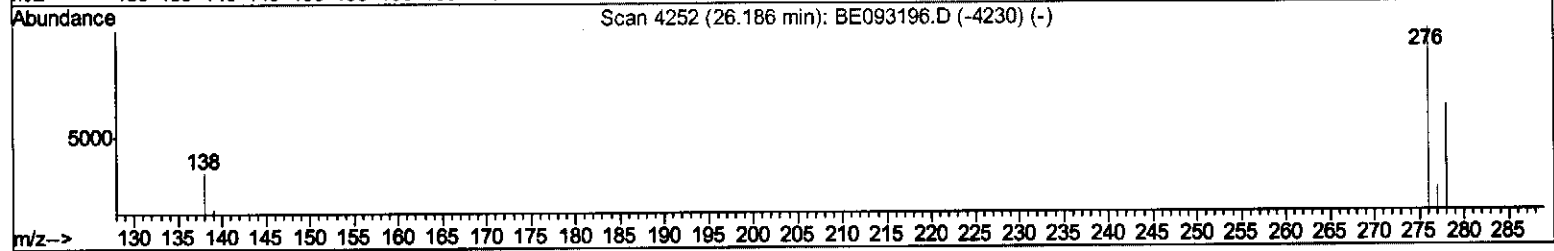
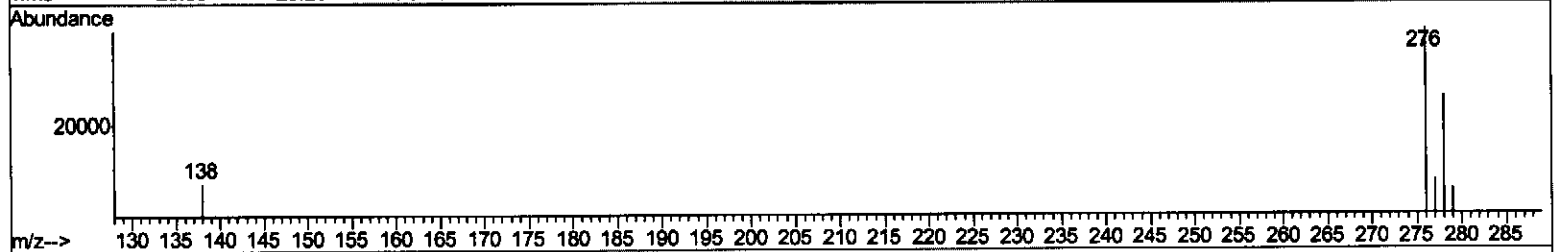
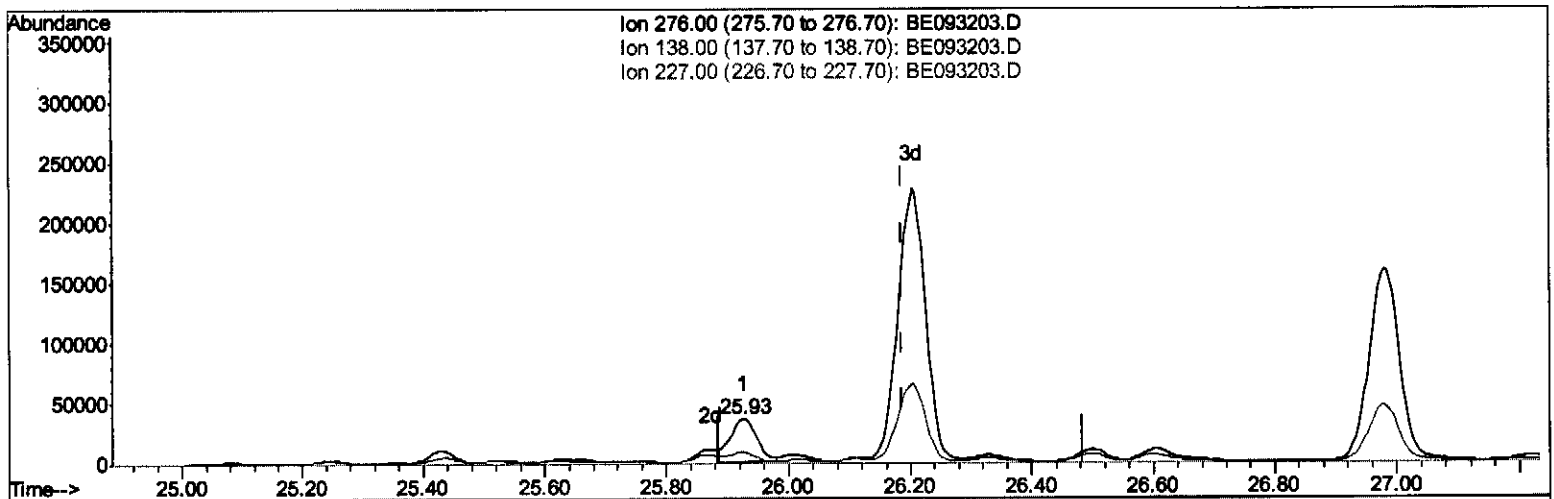
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:19:52 2017
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TIC: BE093203.D

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

25.926min (-0.260) 1.48ng/ul

response 109496

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	20.46#
227.00	10.00	0.00#
0.00	0.00	0.00

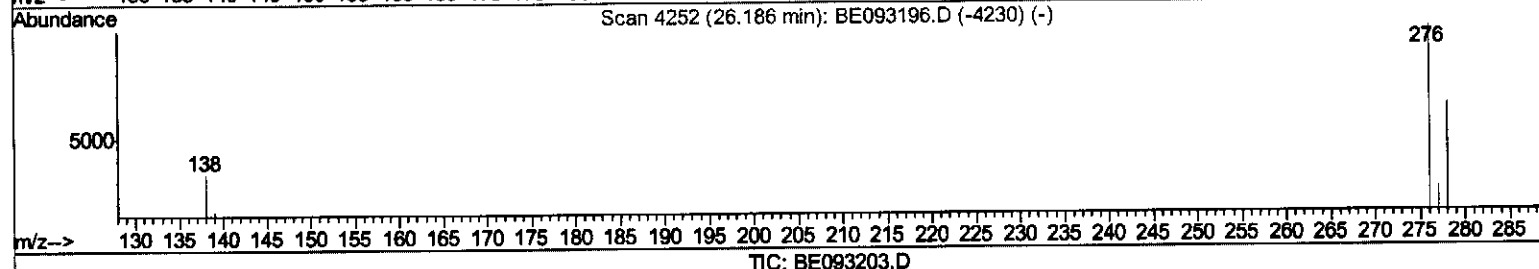
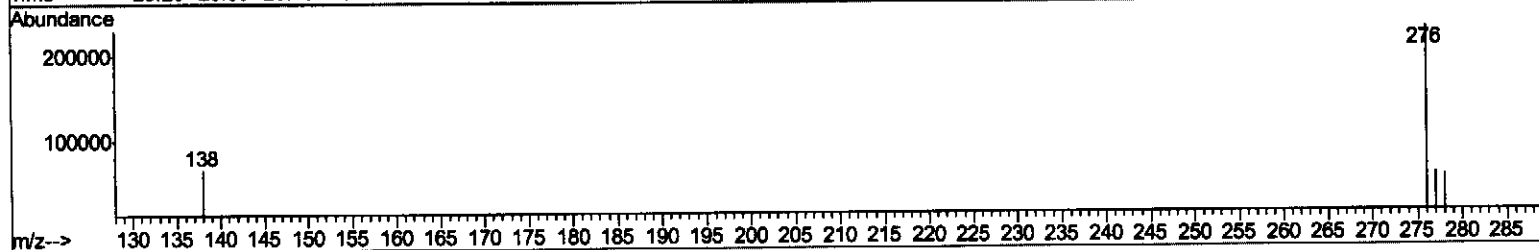
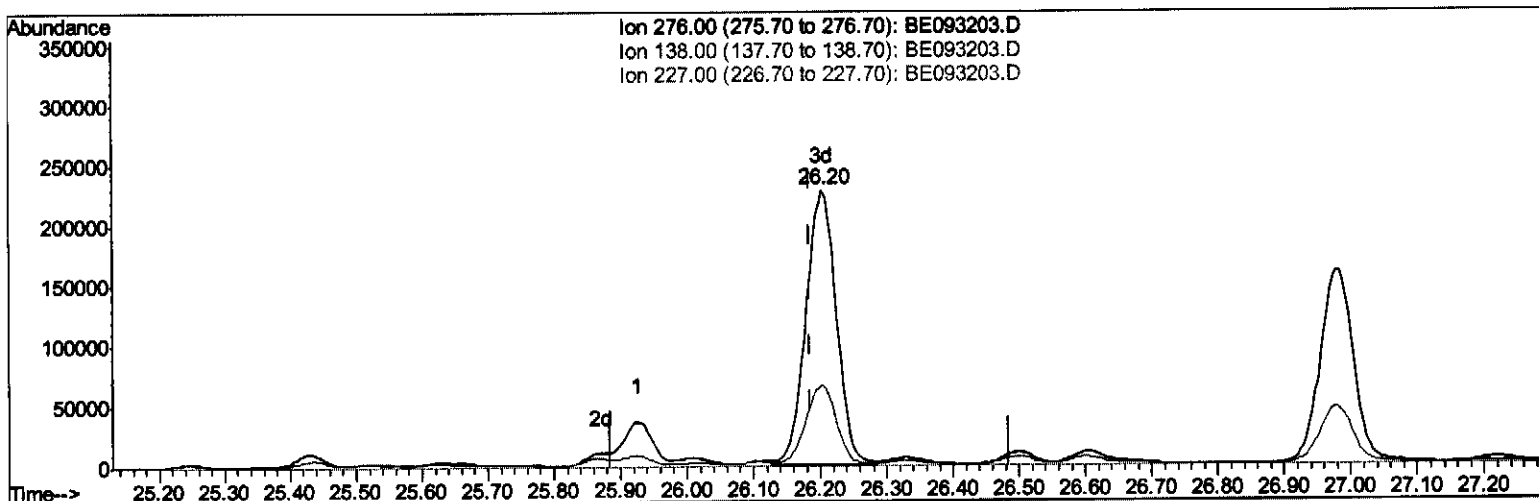
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5C18

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:19:52 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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Response via : Initial Calibration



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

26.204min (+0.018) 9.65ng/ul m

response 724344

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.09#
227.00	10.00	0.00#
0.00	0.00	0.00

SJ
6/21/17

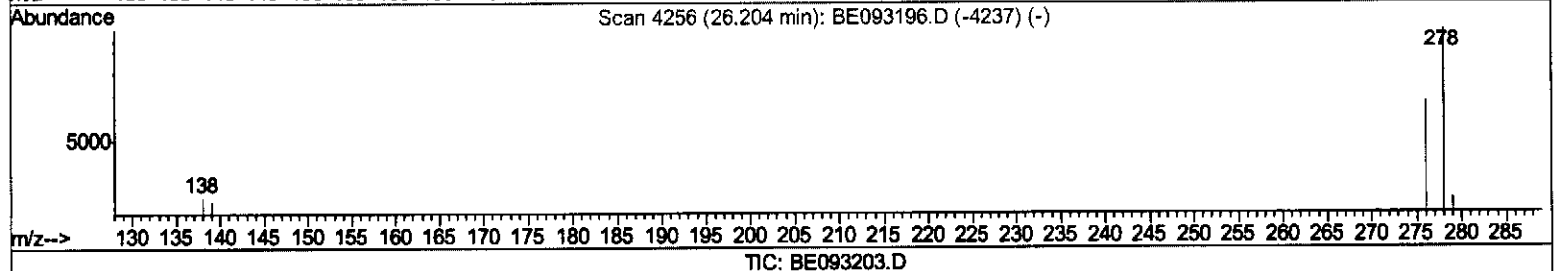
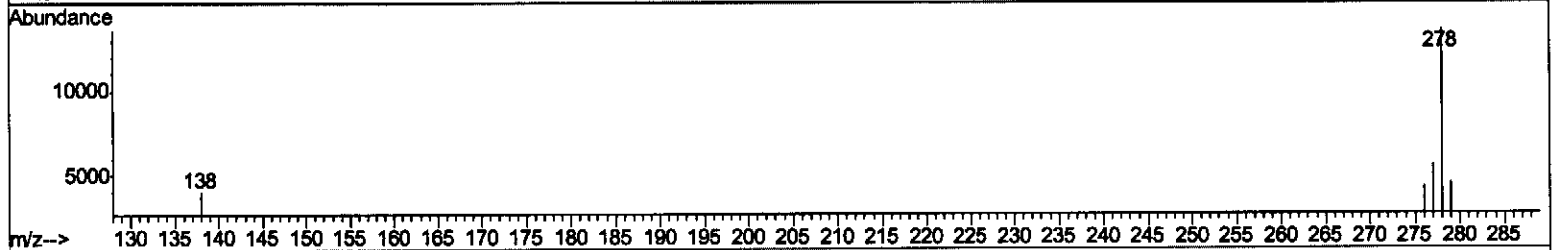
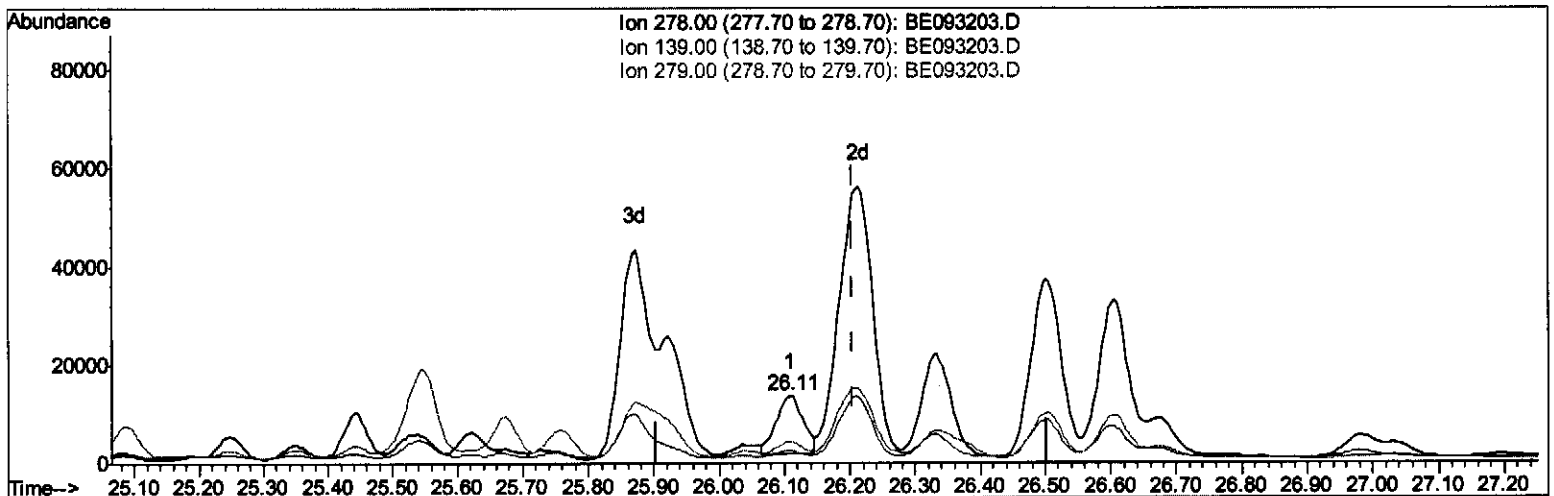
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093203.D
Acq On : 15 Jun 2017 11:43
Operator : SJ/MA
Sample : I3521-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
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Quant Time: Jun 15 13:19:52 2017
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(25) Dibenzo(a,h)anthracene

26.108min (-0.096) 0.53ng/ul

response 33658

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.50
279.00	32.40	32.51
0.00	0.00	0.00

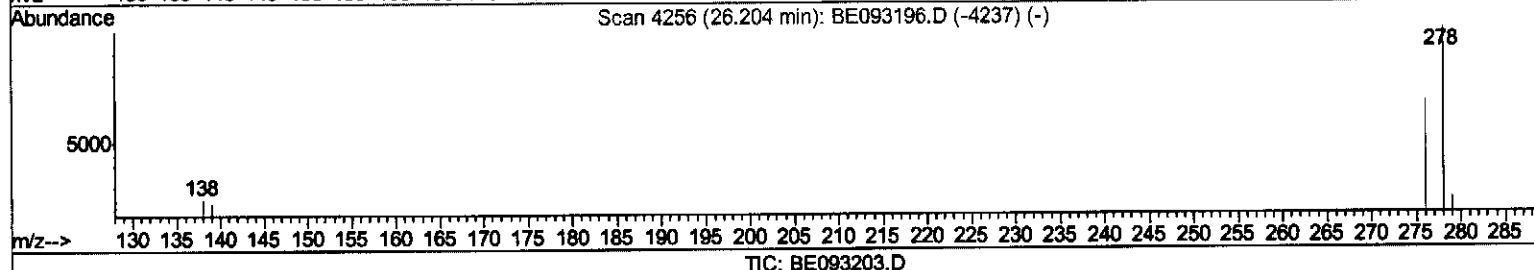
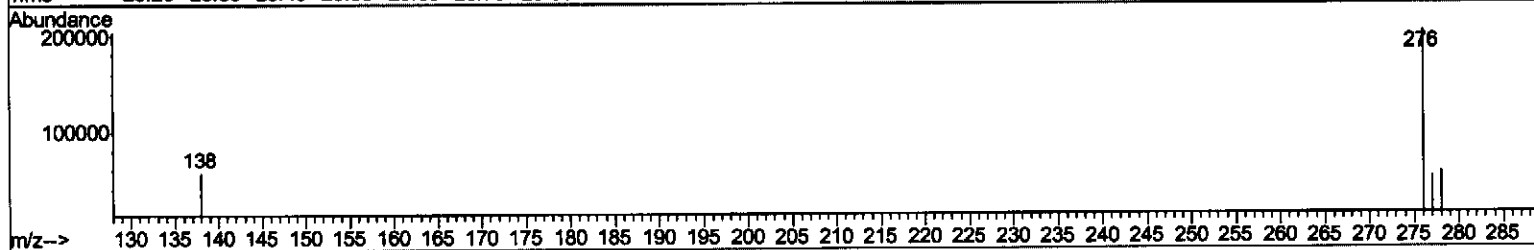
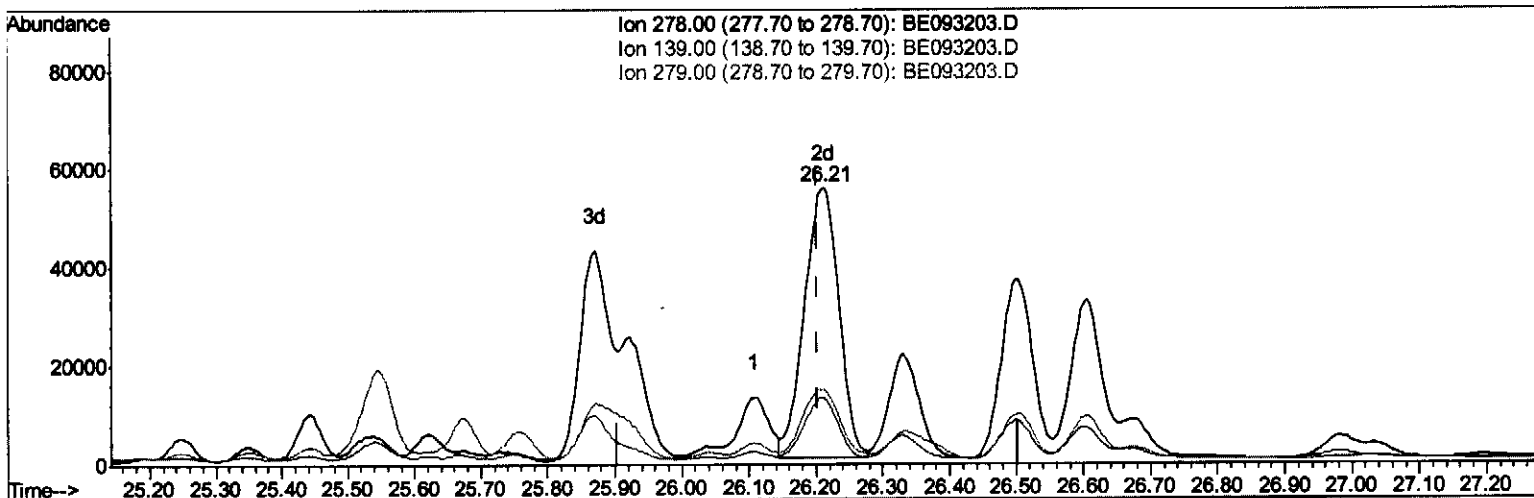
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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F5C18

Manual Integrations
APPROVED

mohammad
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Quant Time: Jun 15 13:19:52 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE093203.D

(25) Dibenzo(a,h)anthracene

26.213min (+0.009) 3.11ng/ul m

response 196215

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.73
279.00	32.40	26.75
0.00	0.00	0.00

SJ
06/21/17

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
 Data File : BE093203.D
 Acq On : 15 Jun 2017 11:43
 Operator : SJ/MA
 Sample : I3521-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
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Manual Integrations
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mohammad
 6/15/2017 3:54:39 PM

Quant Time: Jun 15 13:22:57 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3953	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	20355	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	12170	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	27720	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	27347	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	22584m	0.40	ng/ul	0.00

SJ 06/21/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	5390	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	13609	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	27393	0.542	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	6749	0.195	ng/ul	99
7) Acenaphthylene	14.09	152	164721	3.154	ng/ul	95
8) Acenaphthene	14.43	153	5391	0.128	ng/ul	95
9) Fluorene	15.42	166	6544	0.132	ng/ul	94
12) Phenanthrene	17.13	178	88835	1.165	ng/ul#	84
13) Anthracene	17.24	178	242808	3.656	ng/ul#	92
15) Fluoranthene	19.16	202	1121495	11.990	ng/ul	84
17) Pyrene	19.52	202	1636682	20.294	ng/ul#	88
18) Benzo(a)anthracene	21.25	228	1001676	13.732	ng/ul#	83
19) Chrysene	21.30	228	1098312	14.515	ng/ul	98
21) Benzo(b)fluoranthene	22.95	252	2053348	29.960	ng/ul	88
22) Benzo(k)fluoranthene	22.99	252	623804m	8.570	ng/ul	} SJ 06/21/17
23) Benzo(a)pyrene	23.58	252	1070223m	16.515	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.20	276	724344m	9.653	ng/ul	
25) Dibenzo(a,h)anthracene	26.21	278	196215m	3.105	ng/ul	
26) Benzo(g,h,i)perylene	26.98	276	549731	8.543	ng/ul	96

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