

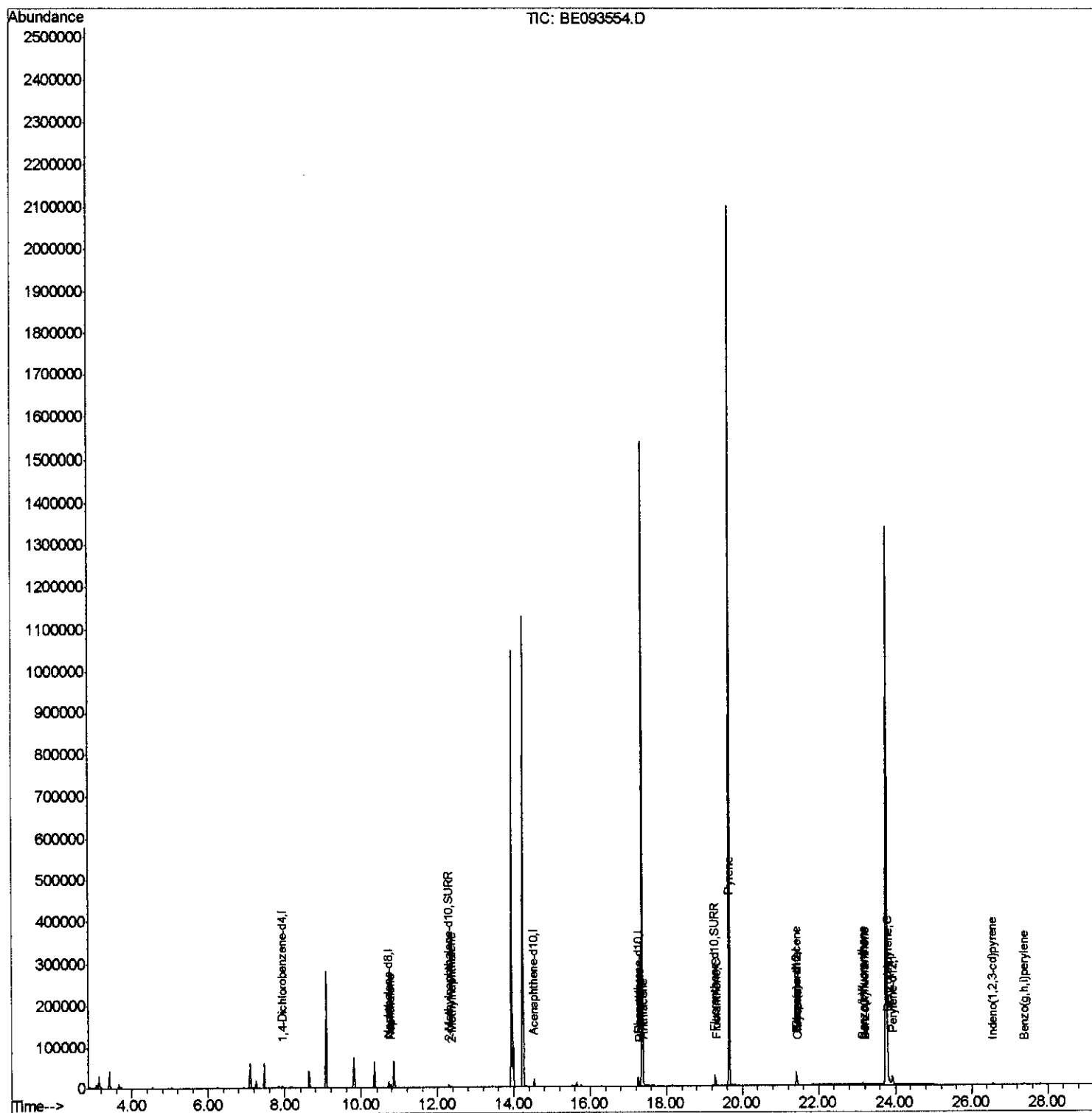
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:21:47 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 06:10:24 2017
Response via : Initial Calibration



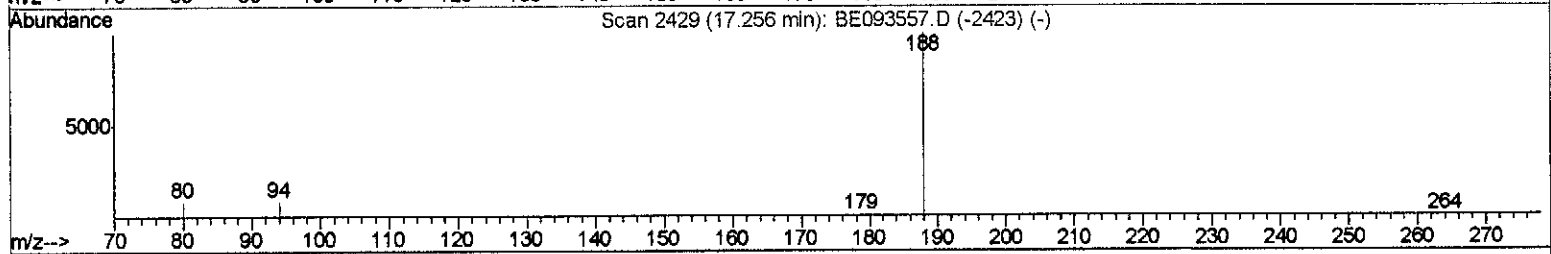
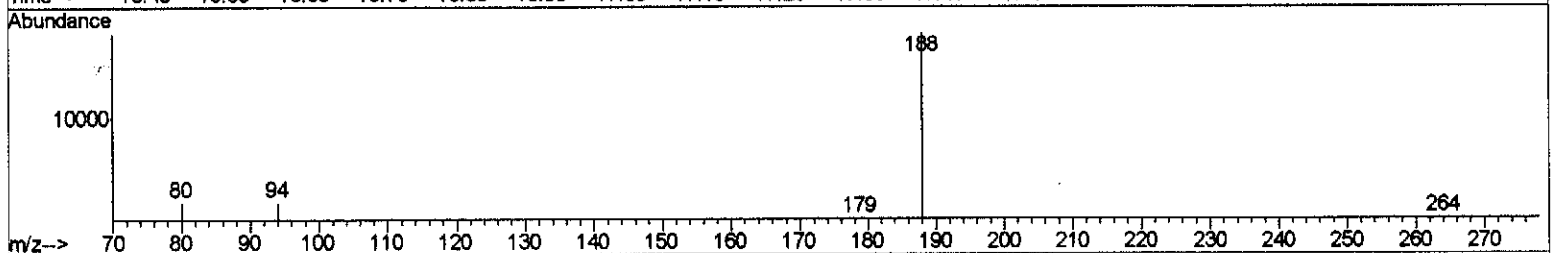
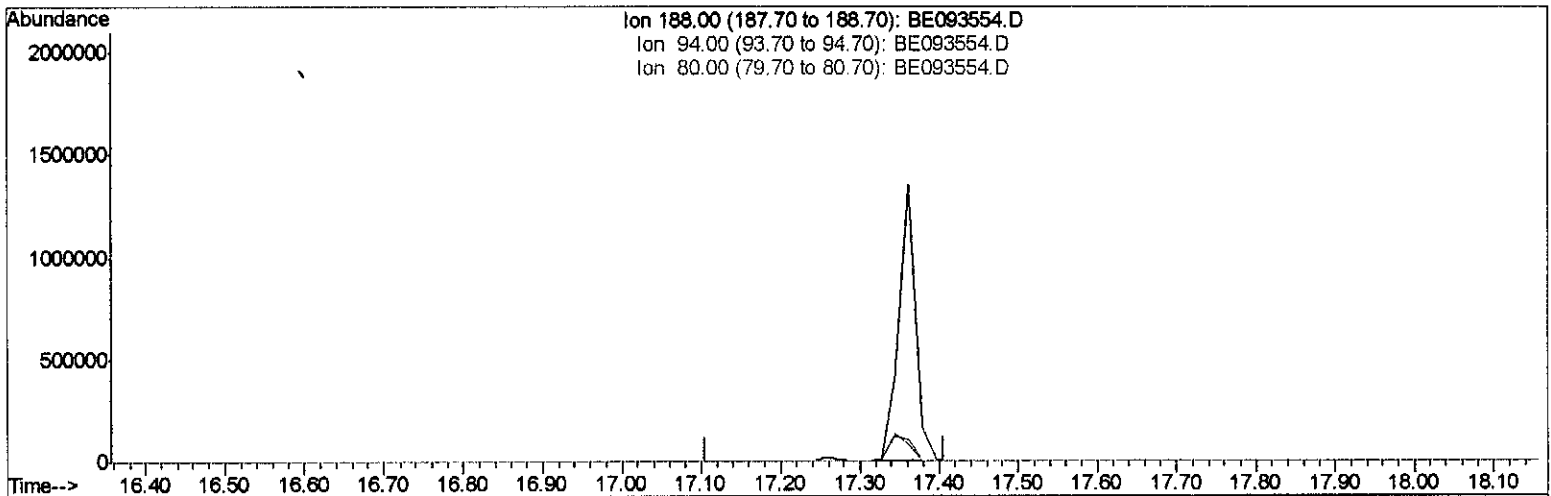
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:14:47 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 06:10:24 2017
Response via : Initial Calibration



TIC: BE093554.D

(10) Phenanthrene-d10 (I)

17.256min (-17.256) 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

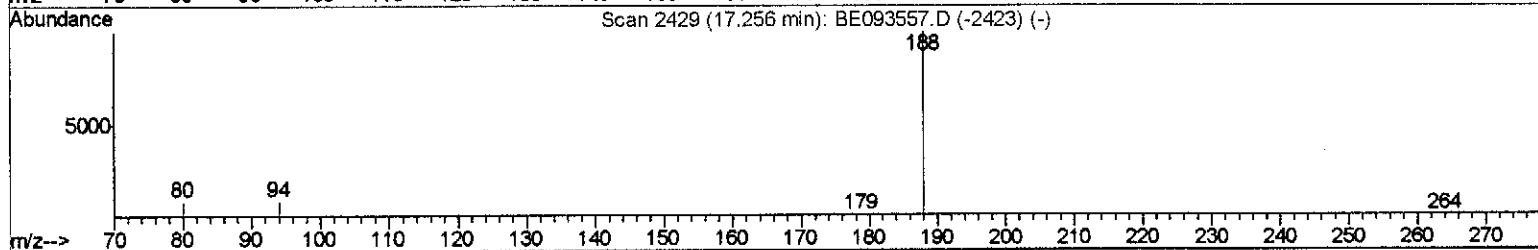
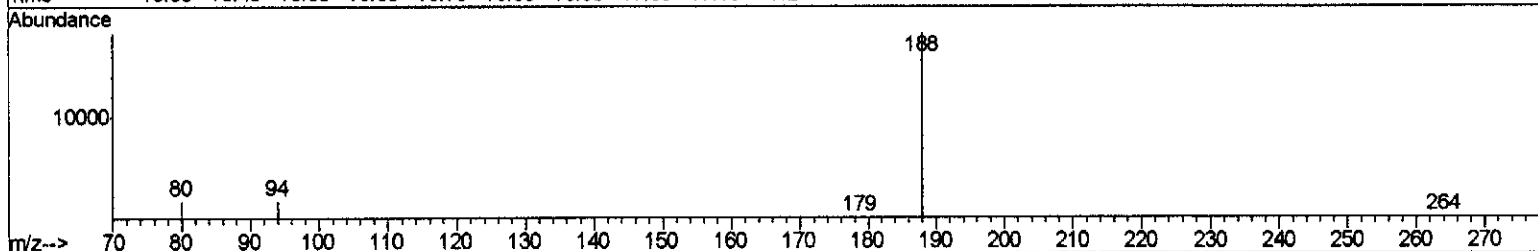
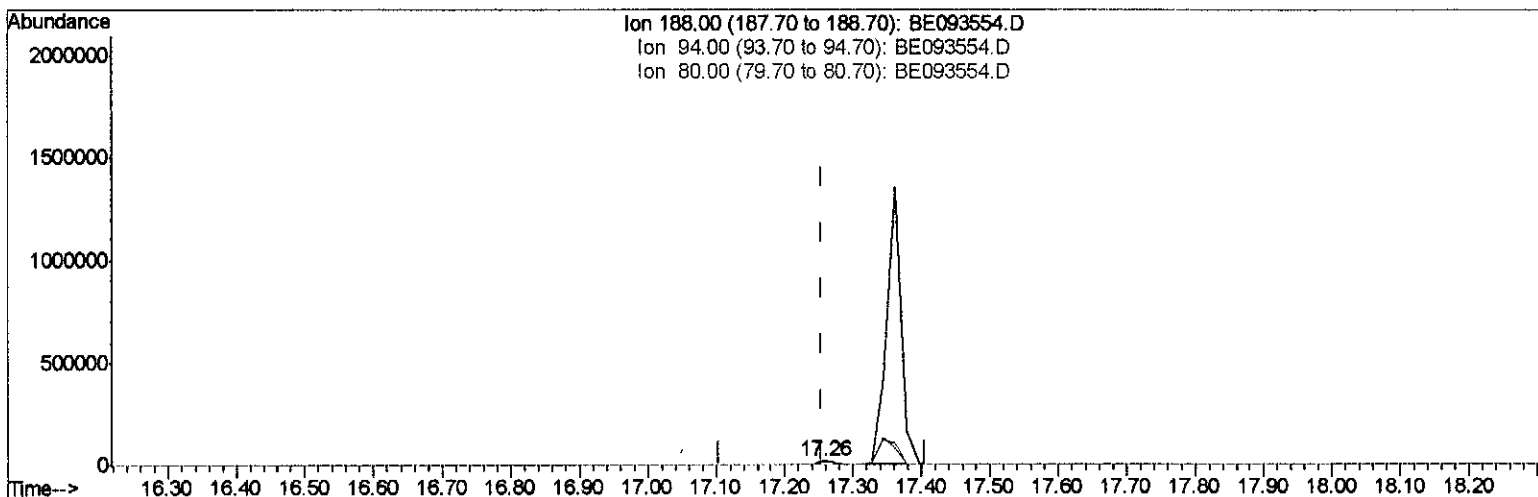
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:14:47 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093554.D

(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

response 26801

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.44
80.00	11.80	9.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

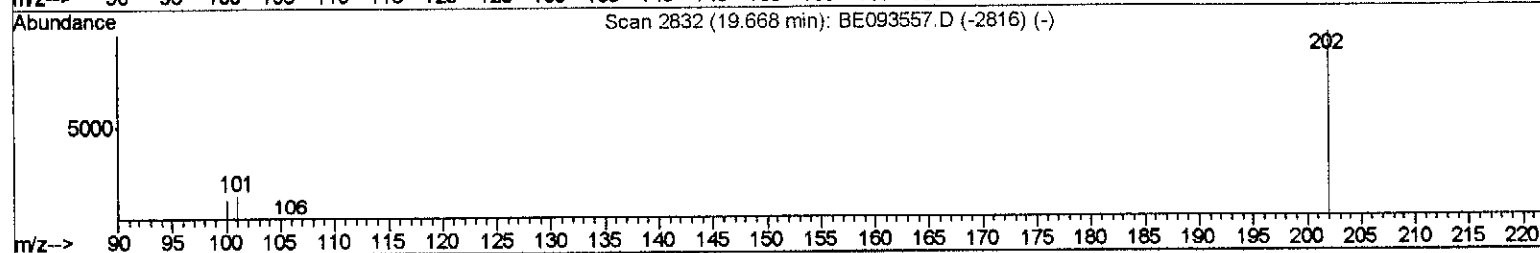
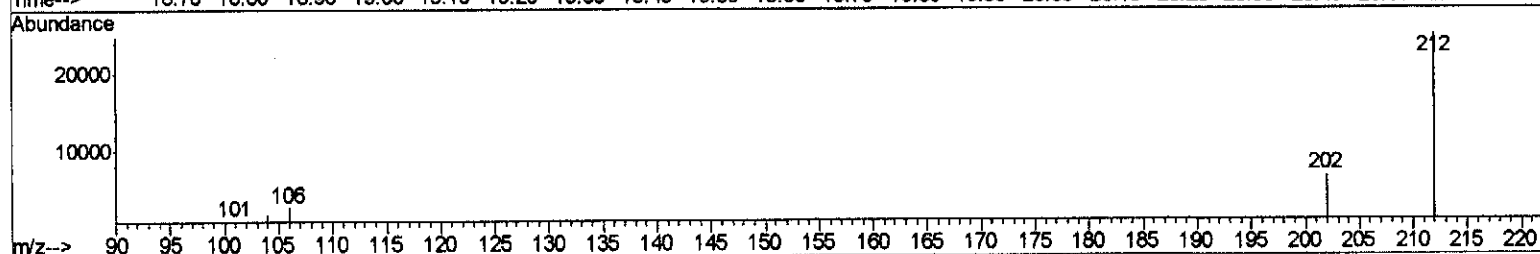
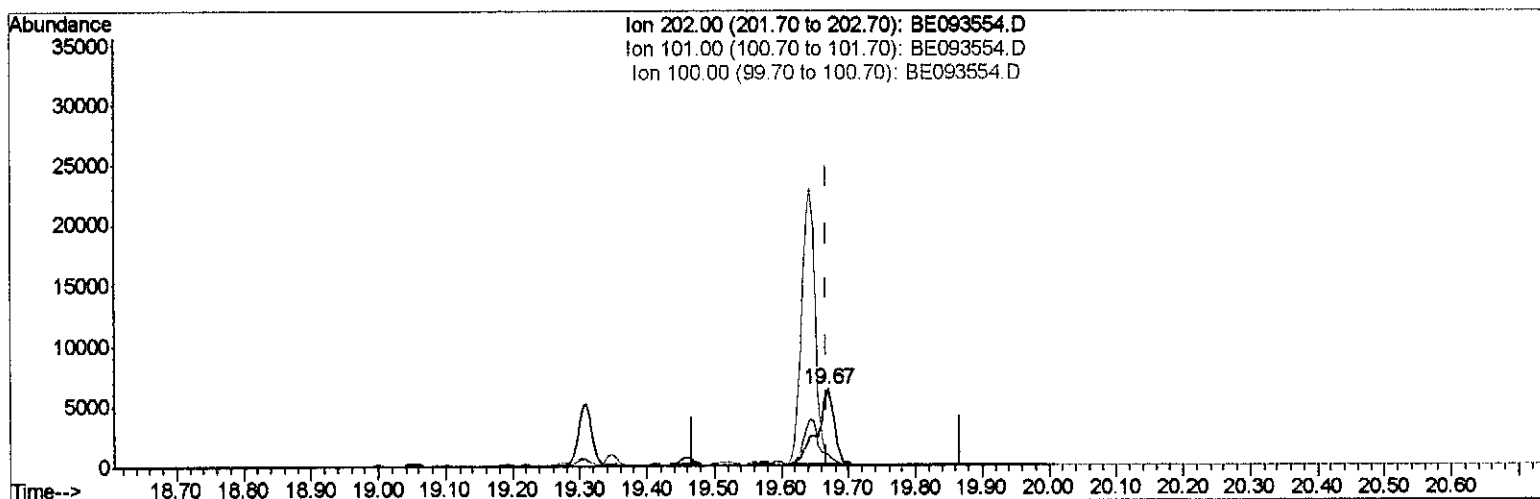
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093554.D
 Acq On : 25 Jul 2017 00:49
 Operator : SJ/JU
 Sample : I4213-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B36

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:15:27 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 06:10:24 2017
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TIC: BE093554.D

(17) Pyrene

19.669min (+0.001) 0.13ng/ul

response 10931

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	15.03#
100.00	19.50	14.03#
0.00	0.00	0.00

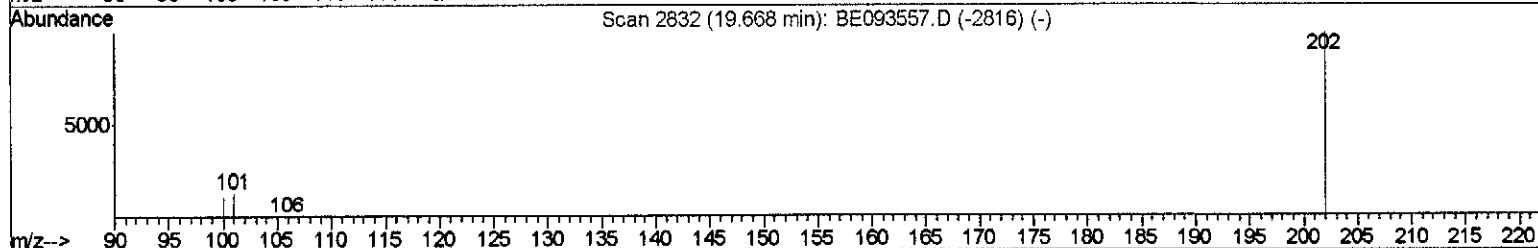
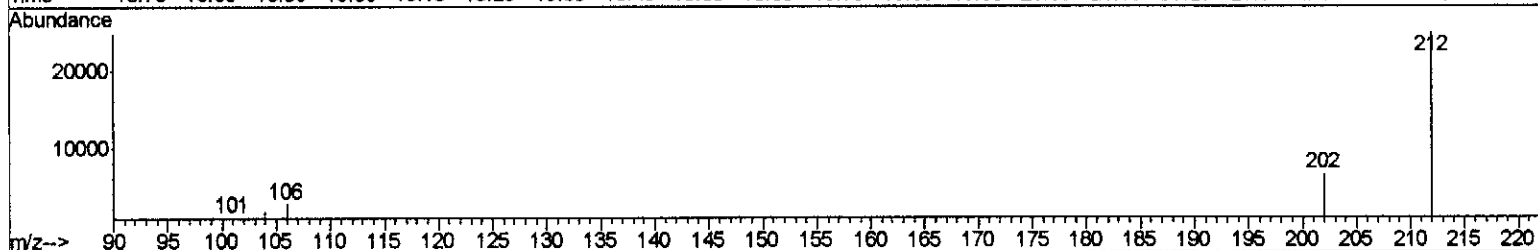
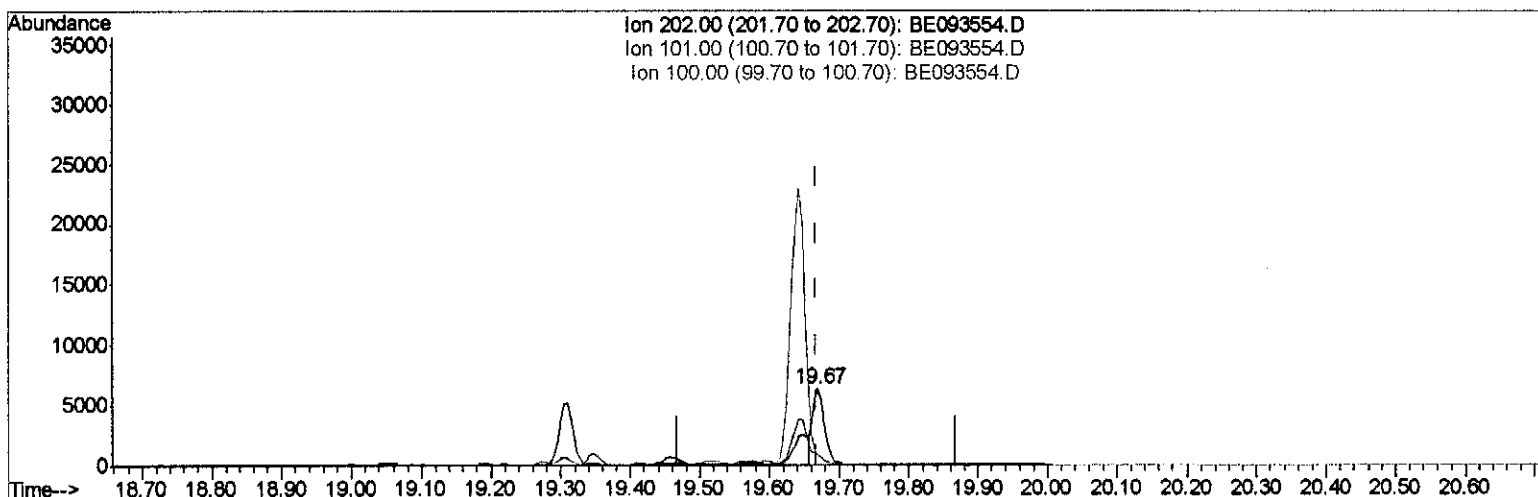
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:15:27 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 06:10:24 2017
Response via : Initial Calibration



TIC: BE093554.D

(17) Pyrene

19.669min (+0.001) 0.09ng/ul m

response 7671

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	15.03#
100.00	19.50	14.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

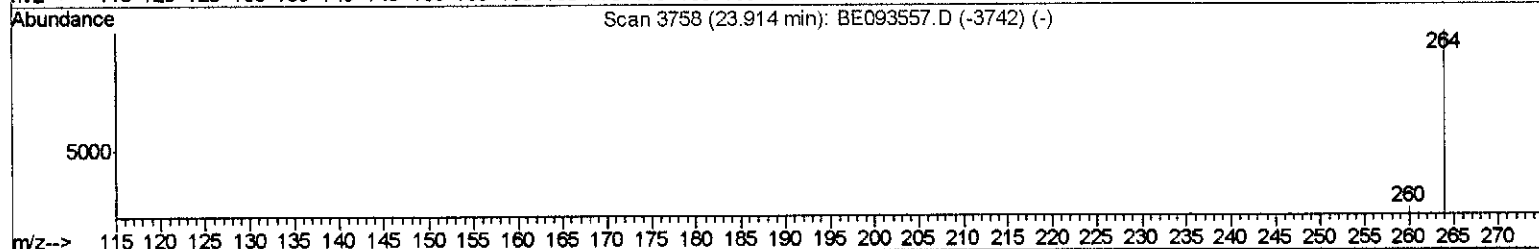
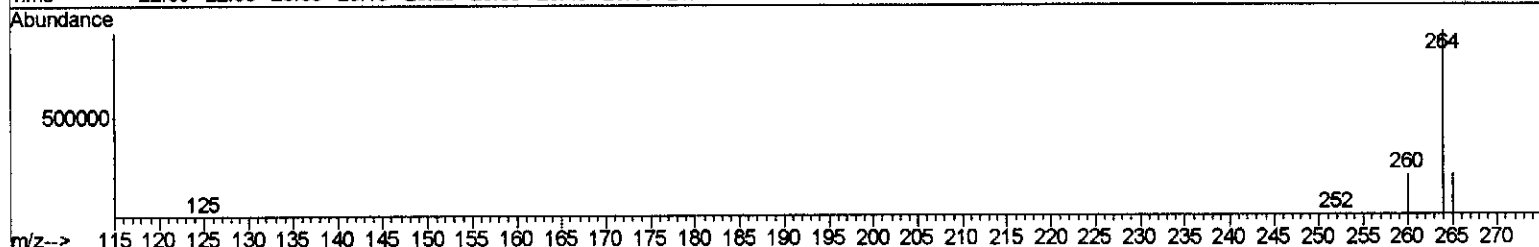
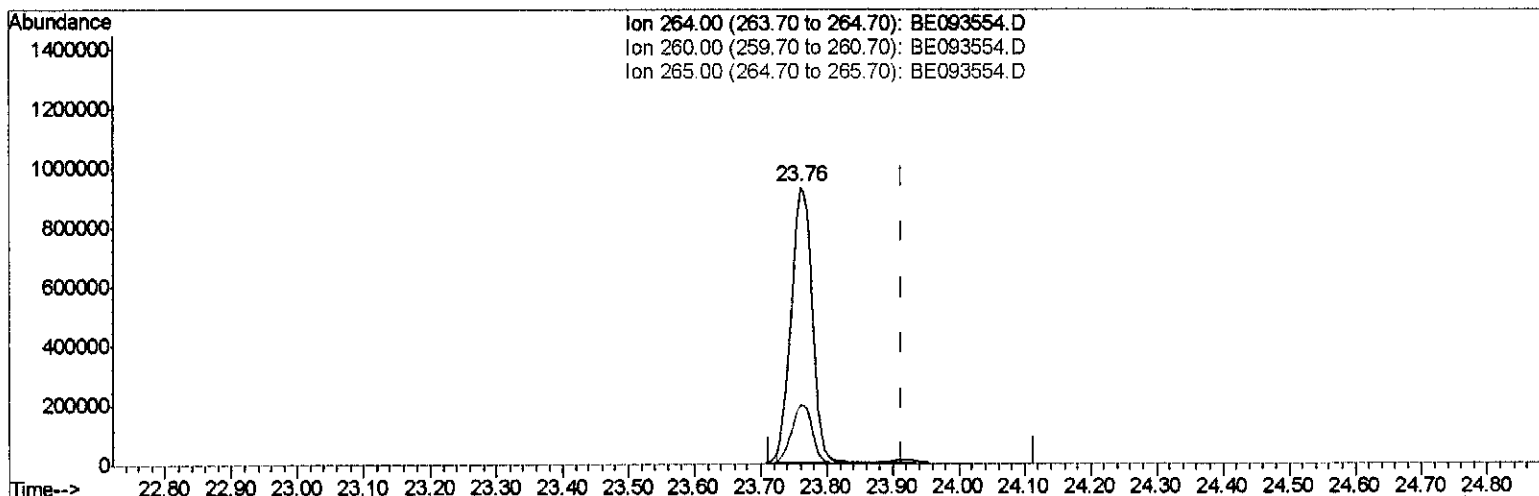
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093554.D
 Acq On : 25 Jul 2017 00:49
 Operator : SJ/JU
 Sample : I4213-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B36

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:15:27 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093554.D

(20) Perylene-d12 (I)

23.760min (-0.154) 0.40ng/ul

response 2050532

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.40#
265.00	103.50	21.73#
0.00	0.00	0.00

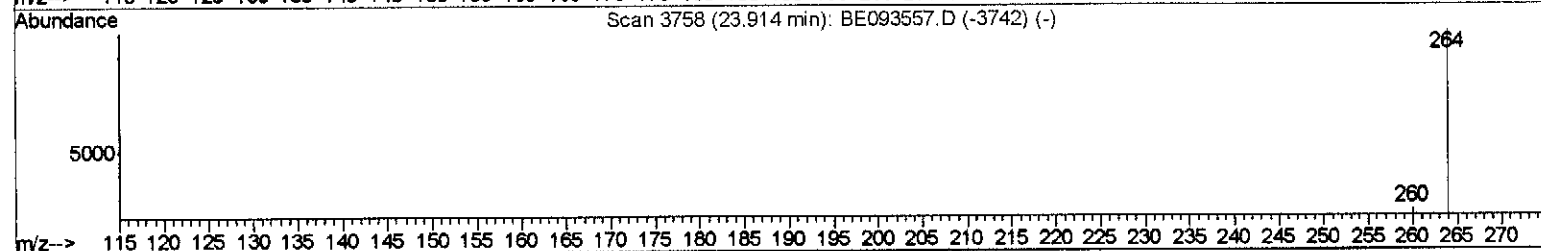
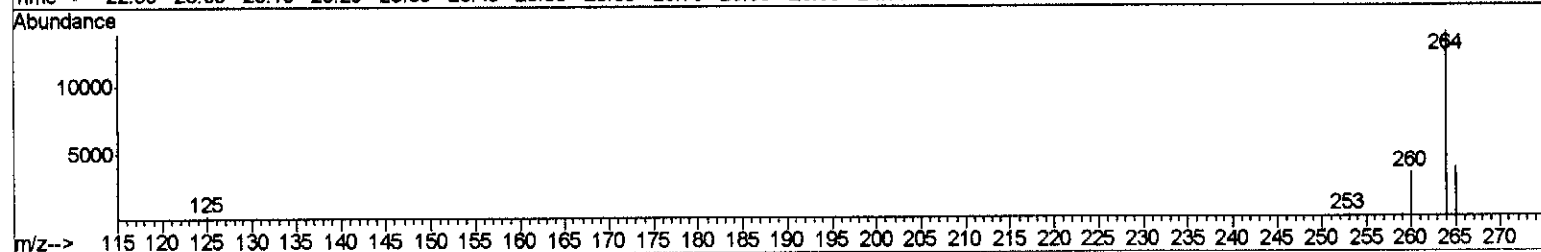
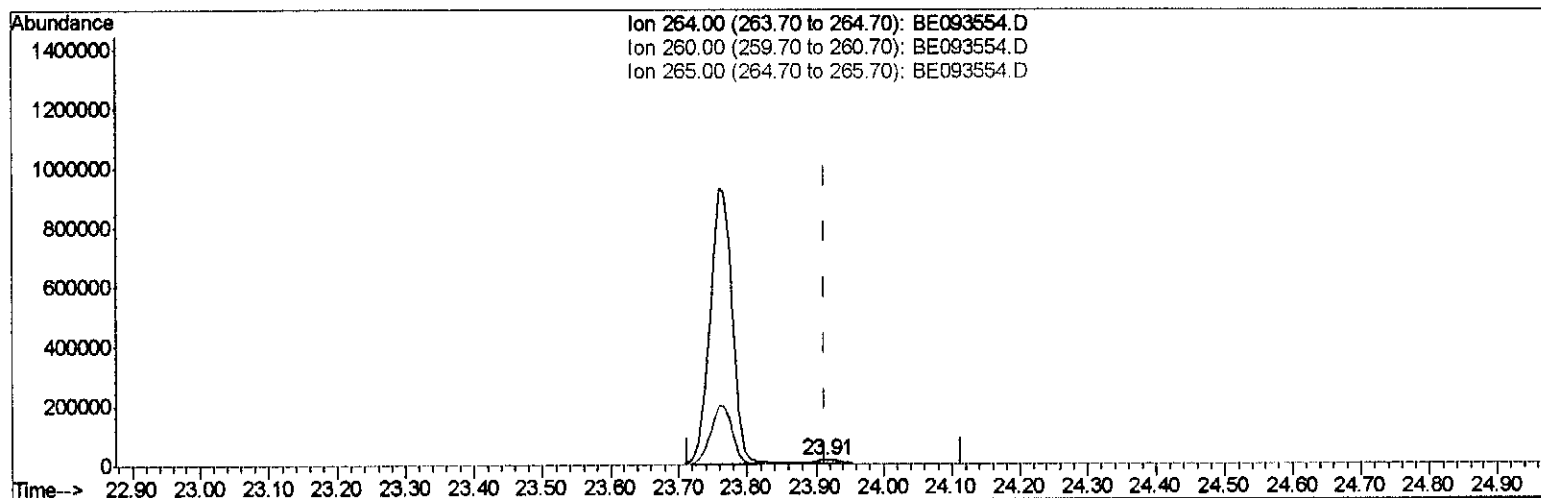
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:15:27 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093554.D

(20) Perylene-d12 (I)

23.915min (+0.001) 0.40ng/ul m.JUL 25 8/6/17

response 24322

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.42
265.00	103.50	27.21#
0.00	0.00	0.00

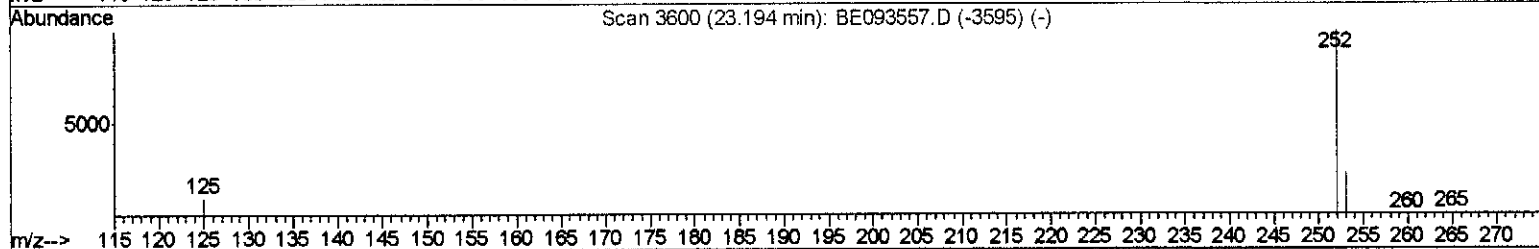
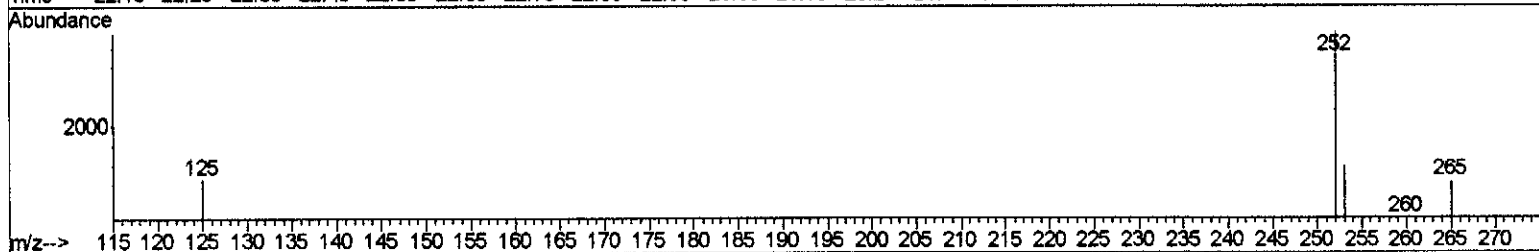
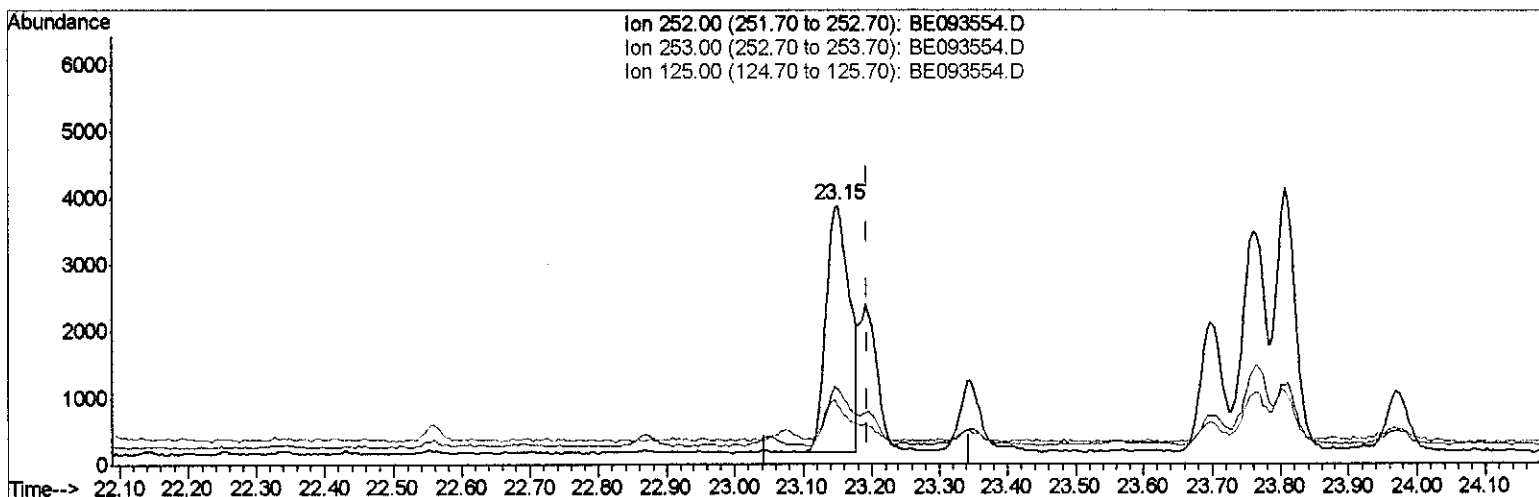
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE093554.D

(22) Benzo(k)fluoranthene

23.150min (-0.045) 0.12ng/ul

response 8982

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	29.14
125.00	17.10	22.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

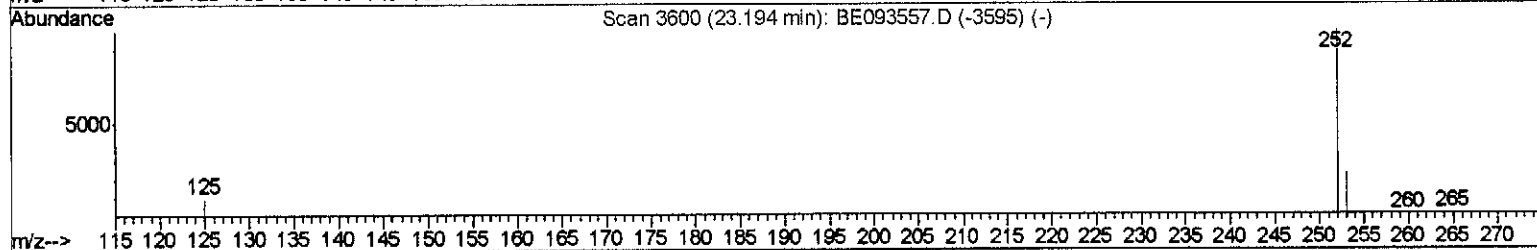
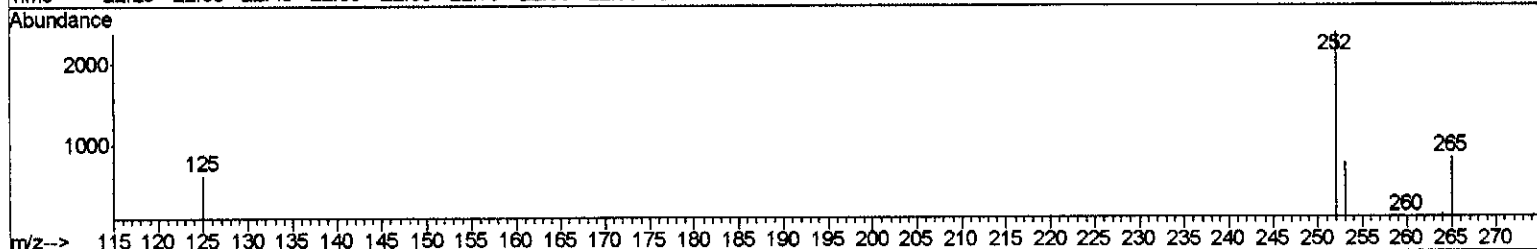
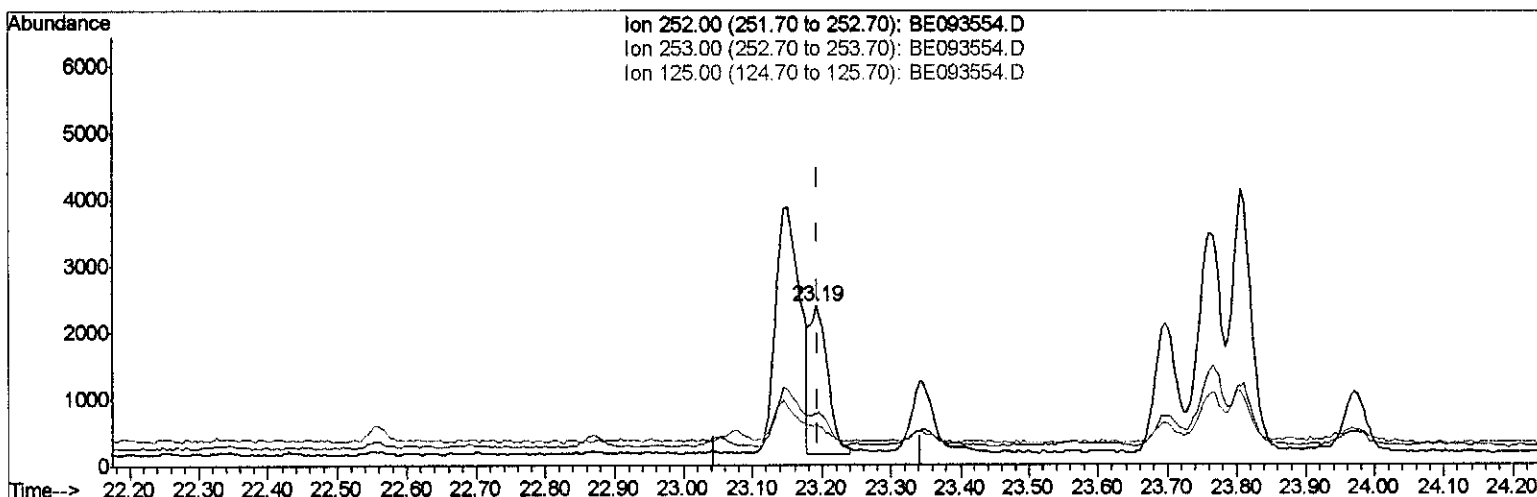
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 06:10:24 2017
Response via : Initial Calibration



TIC: BE093554.D

(22) Benzo(k)fluoranthene

23.191min (-0.004) 0.05ng/ul m

response 4002

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	32.37
125.00	17.10	25.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

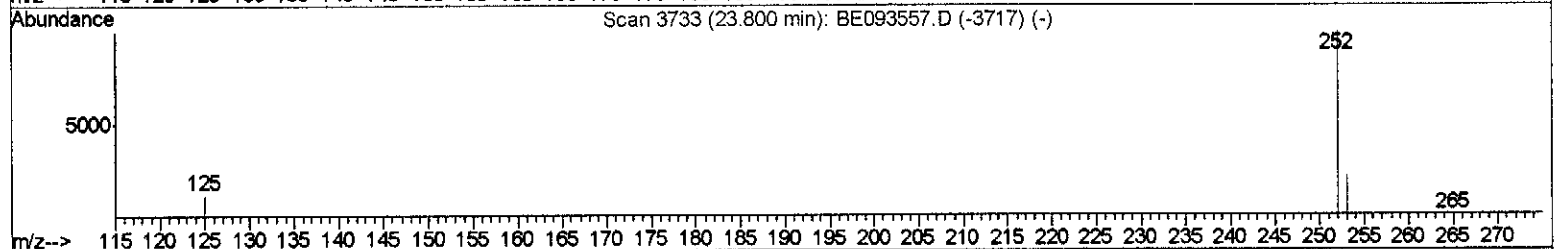
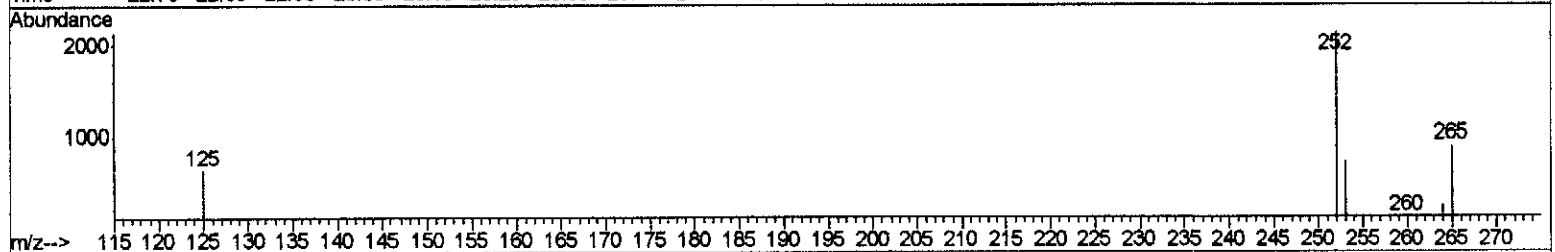
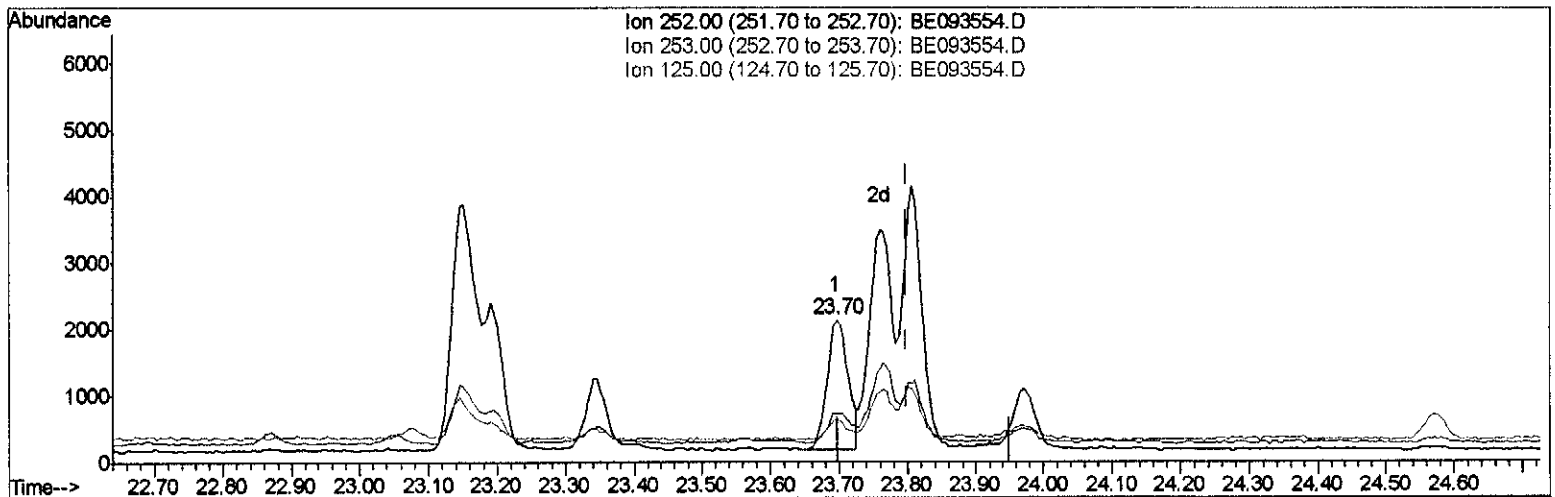
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093554.D
 Acq On : 25 Jul 2017 00:49
 Operator : SJ/JU
 Sample : I4213-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B36

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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(23) Benzo(a)pyrene (C)
 23.696min (-0.104) 0.06ng/ul
 response 4235

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.86
125.00	22.60	29.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

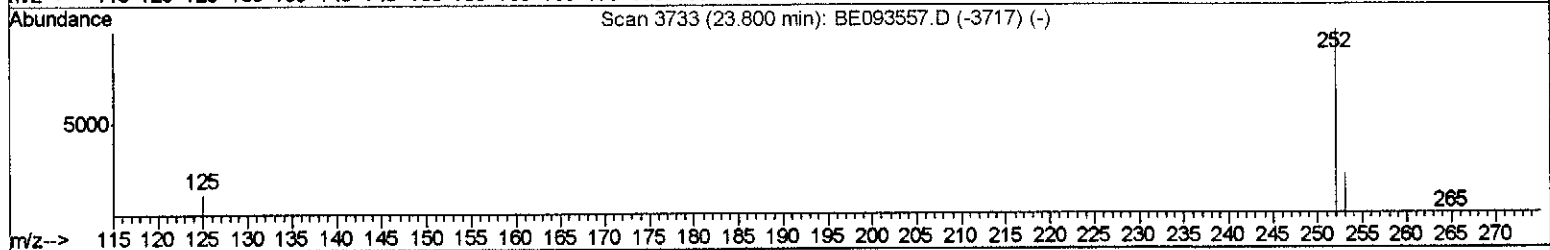
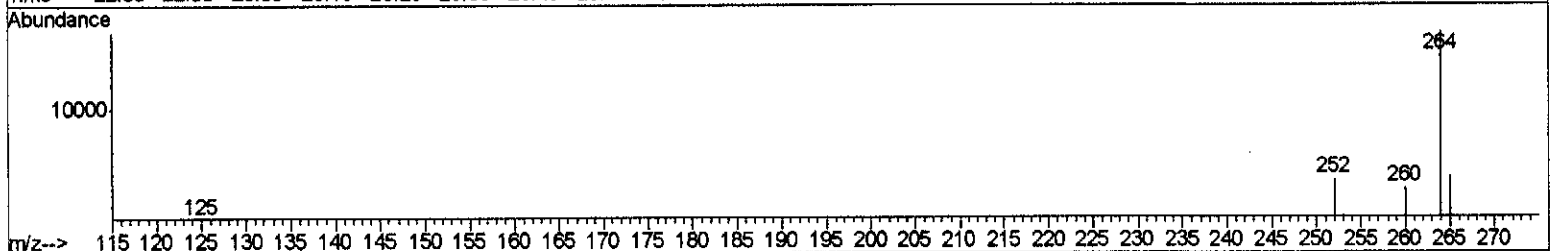
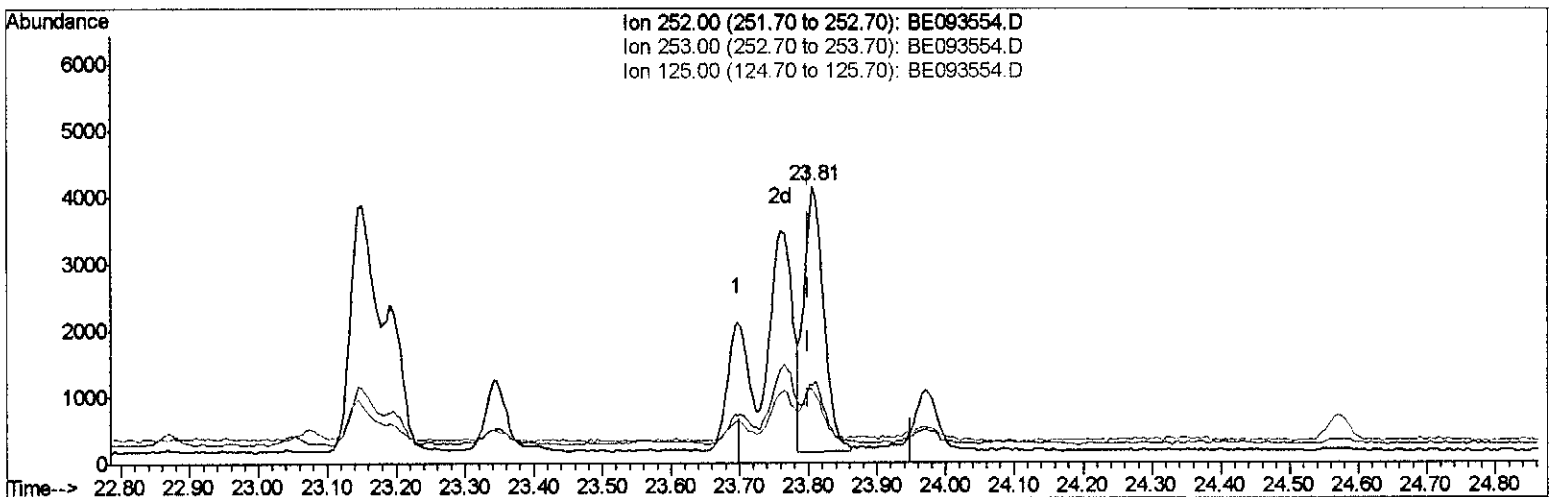
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093554.D
 Acq On : 25 Jul 2017 00:49
 Operator : SJ/JU
 Sample : I4213-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 C0B36

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
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TIC: BE093554.D

(23) Benzo(a)pyrene (C)

23.806min (+0.006) 0.11ng/ul m *Jul 25 2017*

response 7792

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.24#
125.00	22.60	26.46
0.00	0.00	0.00

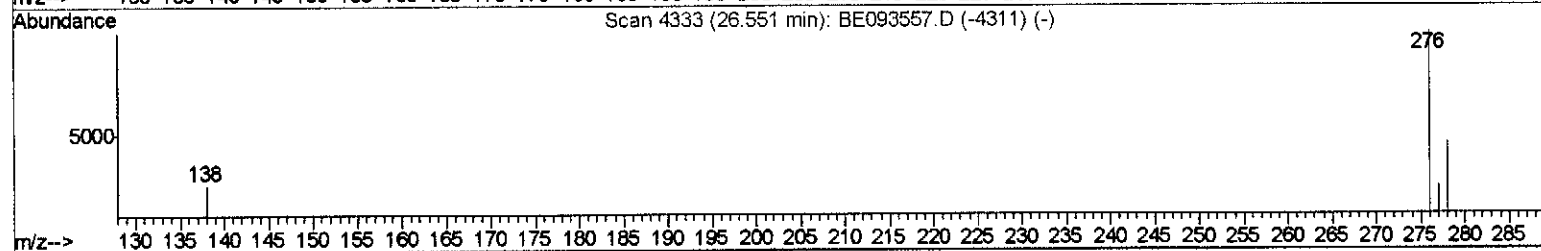
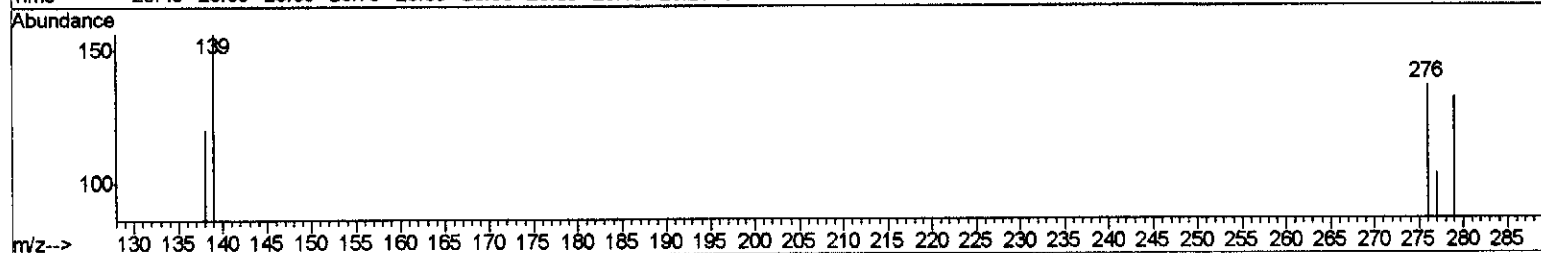
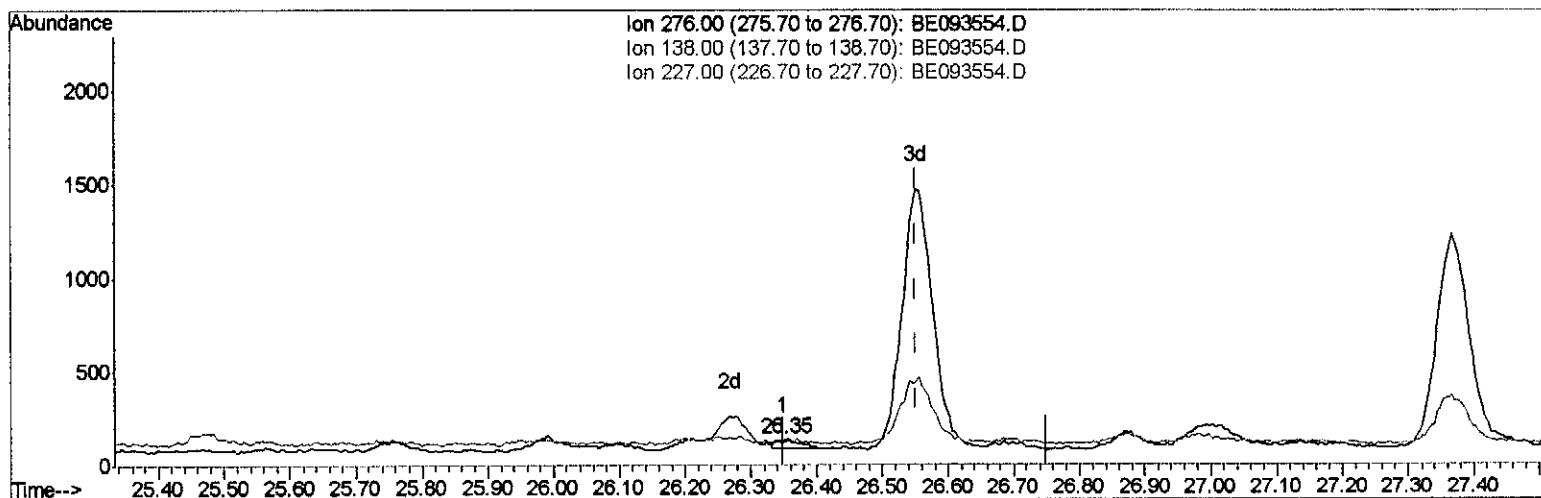
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
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TIC: BE093554.D

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

26.350min (-0.201) 0.00ng/ul

response 124

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	25.00#
227.00	10.00	0.00#
0.00	0.00	0.00

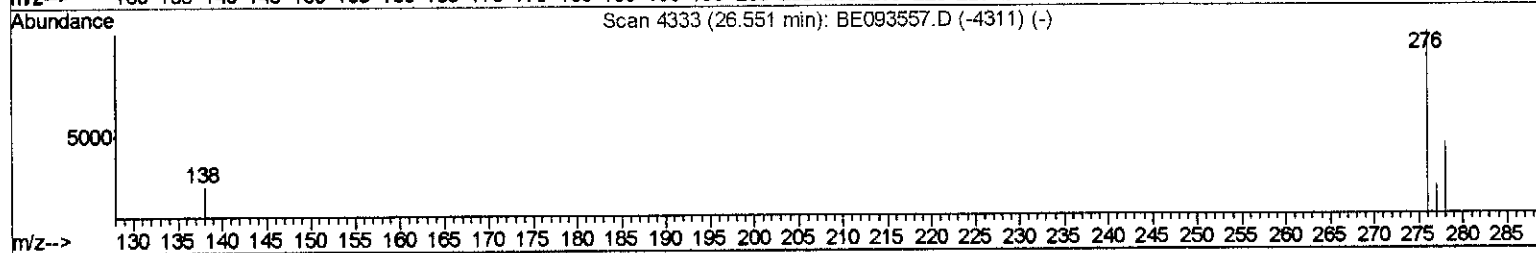
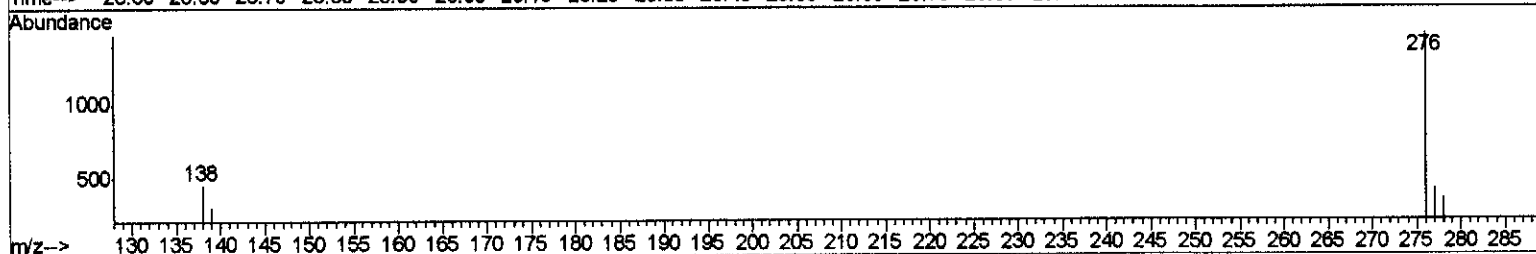
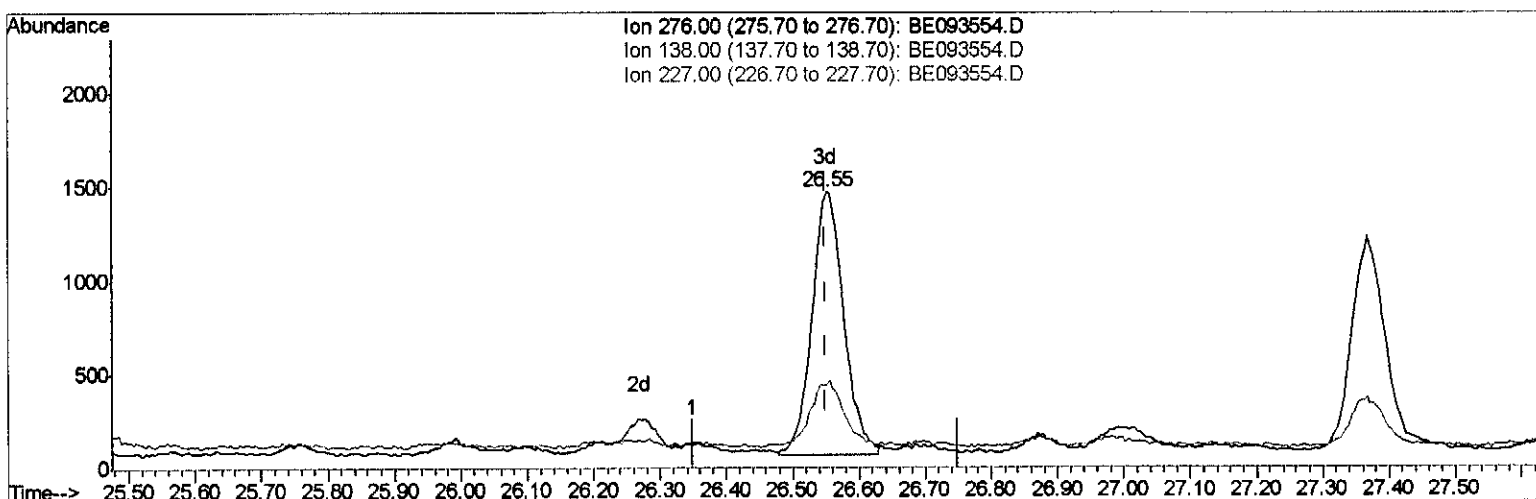
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093554.D

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

26.551min (-0.000) 0.06ng/ul m

response 4664

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.66#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

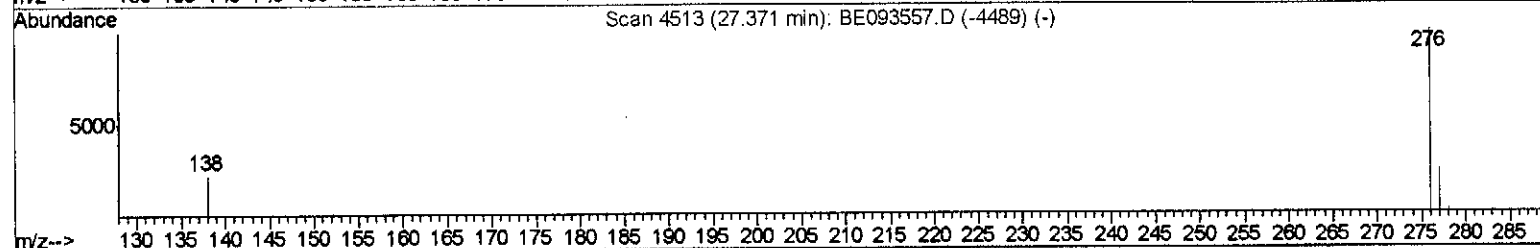
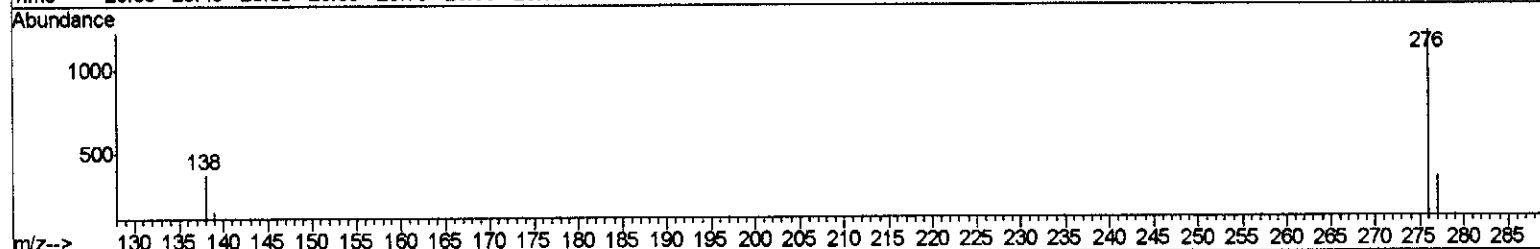
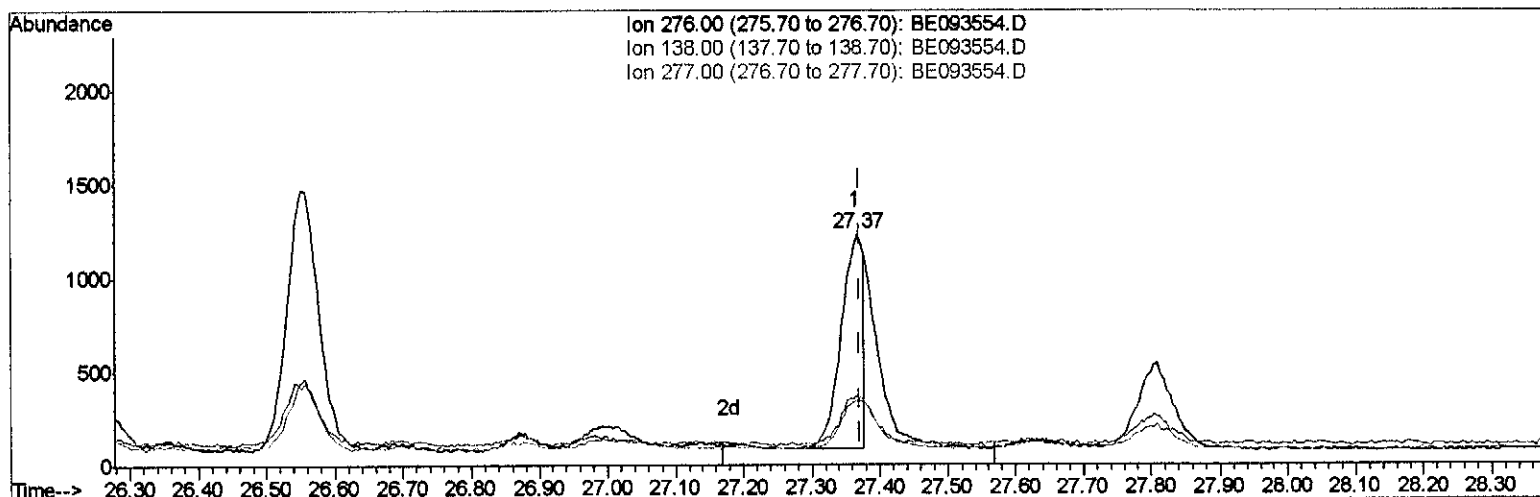
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093554.D
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 Operator : SJ/JU
 Sample : I4213-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 C0B36

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
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TIC: BE093554.D

(26) Benzo(g,h,i)perylene
 27.366min (-0.005) 0.04ng/ul
 response 2577

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	30.23
277.00	25.60	28.12
0.00	0.00	0.00

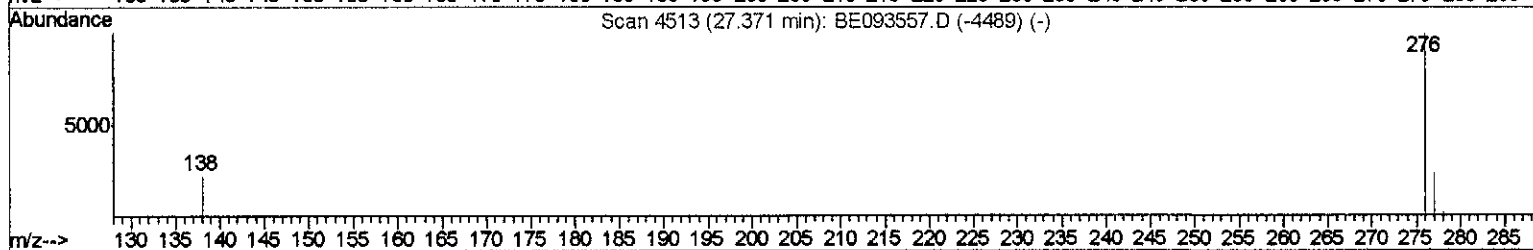
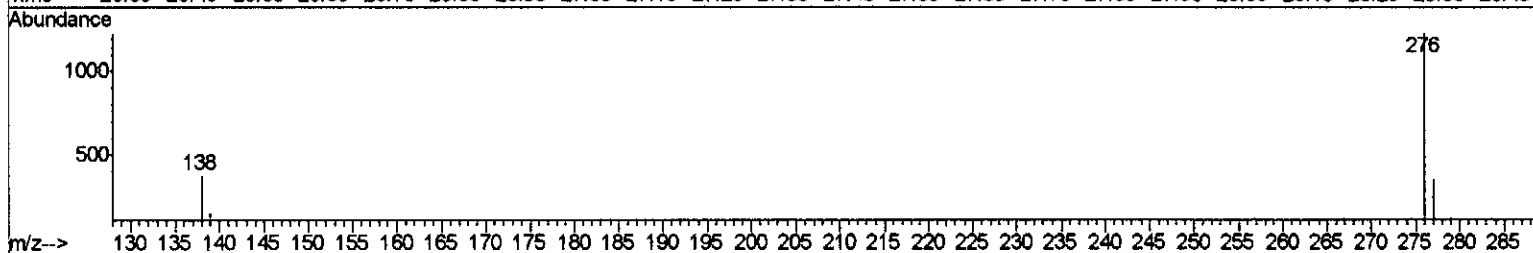
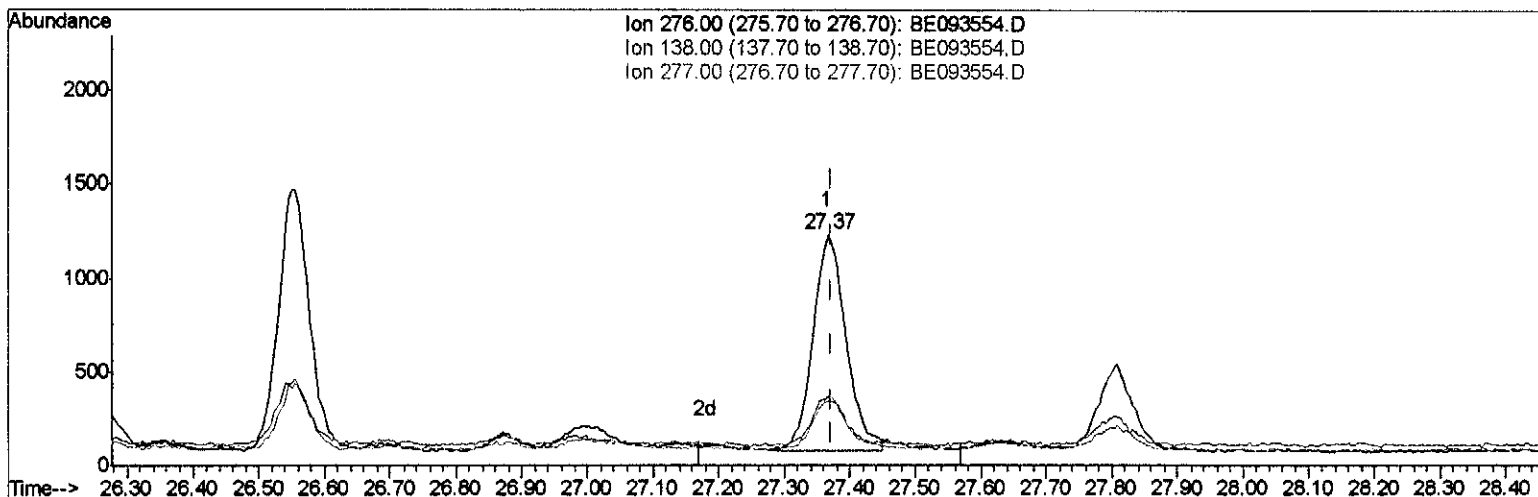
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093554.D
Acq On : 25 Jul 2017 00:49
Operator : SJ/JU
Sample : I4213-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B36

Manual Integrations
APPROVED

Sohil
7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:16:45 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 06:10:24 2017
Response via : Initial Calibration



TIC: BE093554.D

(26) Benzo(g,h,i)perylene

27.366min (-0.005) 0.06ng/ul m

response 4055

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	30.23
277.00	25.60	28.12
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093554.D
 Acq On : 25 Jul 2017 00:49
 Operator : SJ/JU
 Sample : I4213-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0B36

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:33:21 PM

Quant Time: Jul 25 11:21:47 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 06:10:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2991	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	16100	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	10896	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	26801m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	29399	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	24322m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	8477	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	27837	0.33	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	13174	0.336	ng/ul#	92
5) 2-Methylnaphthalene	12.37	142	1282	0.045	ng/ul	99
12) Phenanthrene	17.29	178	2205	0.030	ng/ul#	90
13) Anthracene	17.40	178	2325	0.033	ng/ul#	86
15) Fluoranthene	19.31	202	7000	0.077	ng/ul	86
17) Pyrene	19.67	202	7671m	0.089	ng/ul	
18) Benzo(a)anthracene	21.39	228	5594	0.066	ng/ul#	86
19) Chrysene	21.45	228	6460	0.079	ng/ul	94
21) Benzo(b)fluoranthene	23.15	252	8982	0.119	ng/ul	92
22) Benzo(k)fluoranthene	23.19	252	4002m	0.054	ng/ul	
23) Benzo(a)pyrene	23.81	252	7792m	0.109	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	4664m	0.059	ng/ul	
26) Benzo(g,h,i)perylene	27.37	276	4055m	0.061	ng/ul	

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