

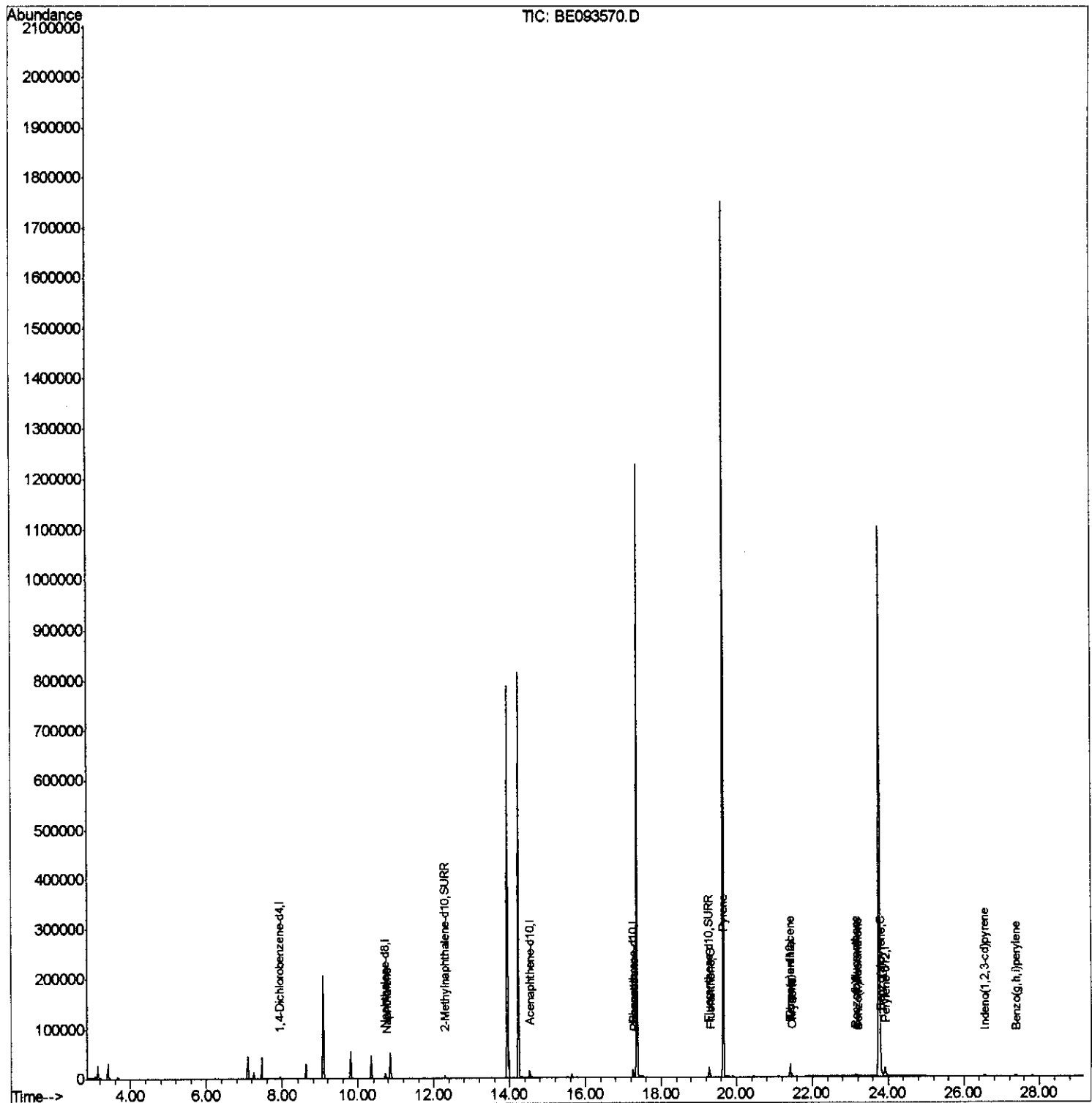
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 13:00:06 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



Quantitation Report (Qedit)

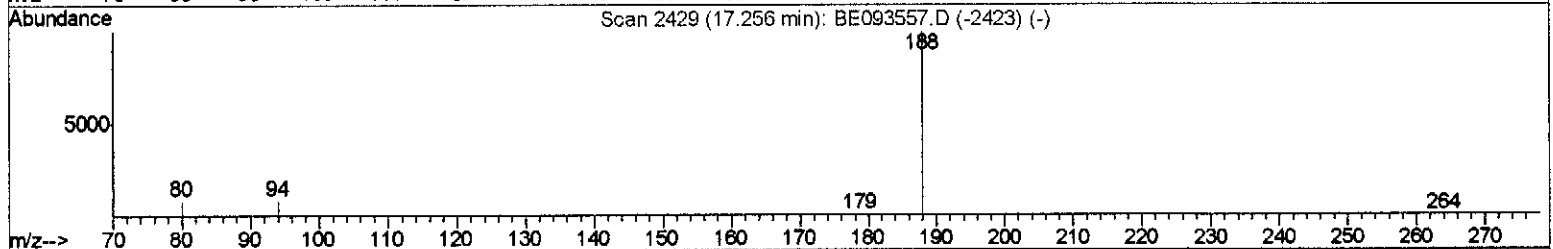
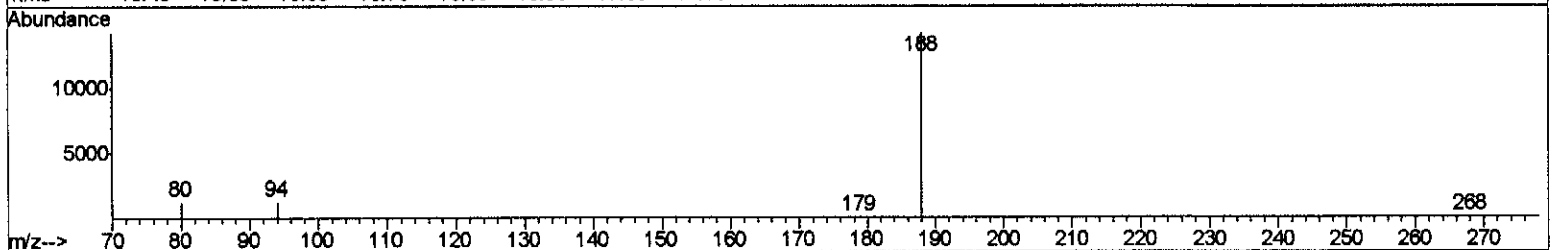
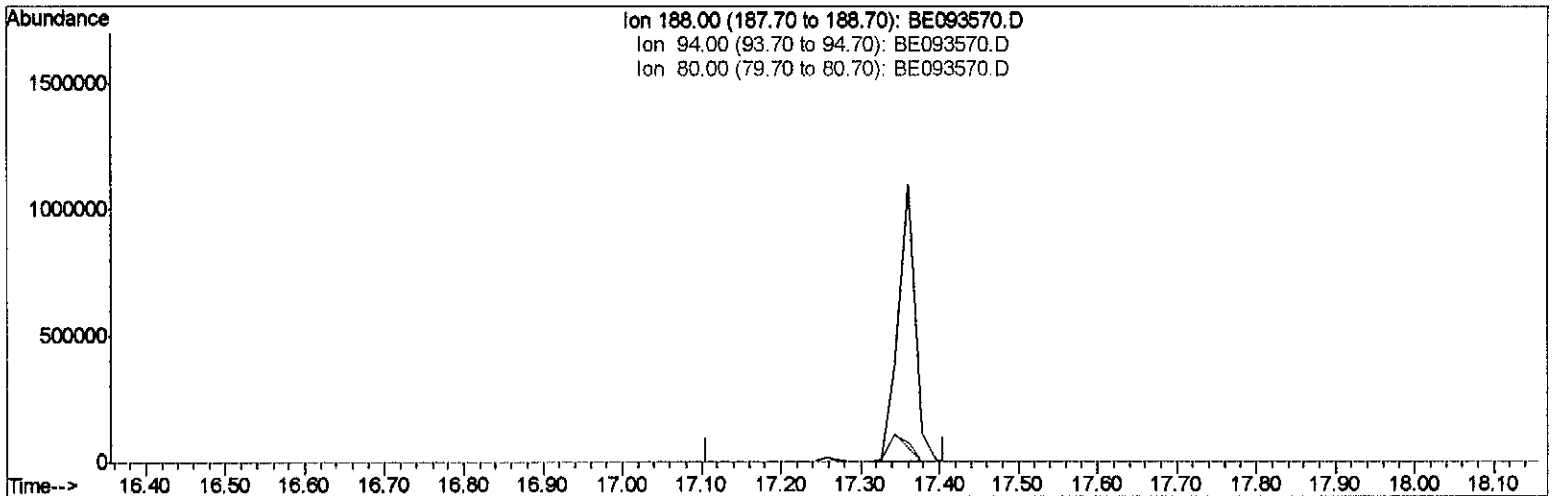
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093570.D
 Acq On : 25 Jul 2017 10:40
 Operator : SJ/JU
 Sample : I4209-10
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:52:59 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: BE093570.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

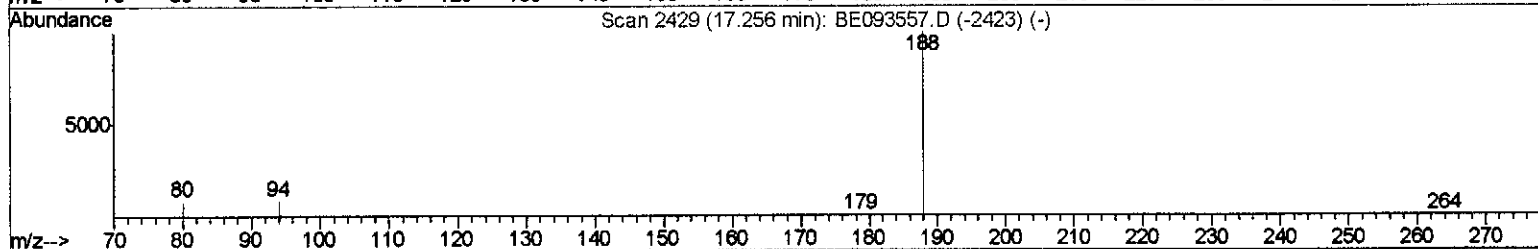
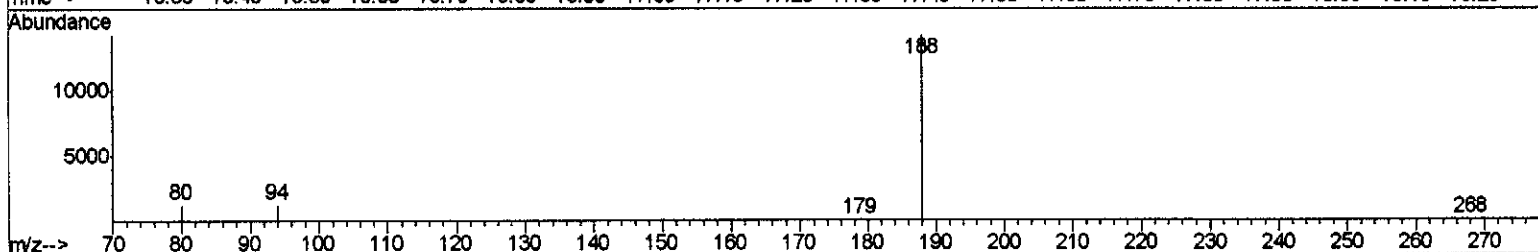
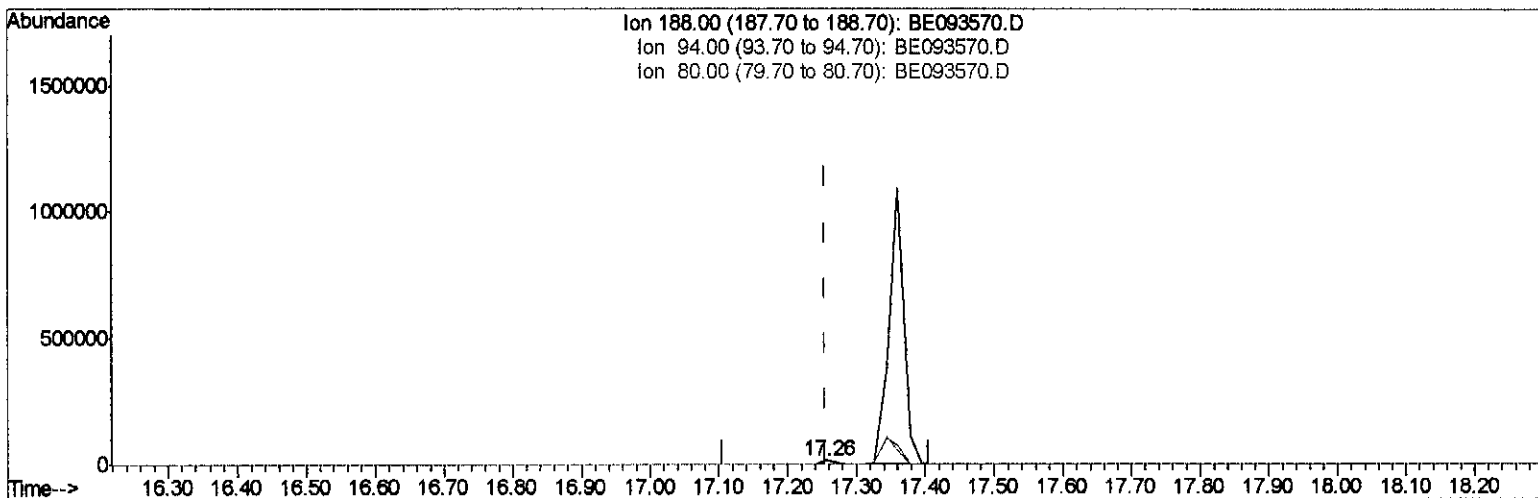
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:52:59 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: BE093570.D

(10) Phenanthrene-d10 (l)

17.256min (+0.000) 0.40ng/ul m

SJ 8/8/17

response 20557

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.61#
80.00	11.80	8.70#
0.00	0.00	0.00

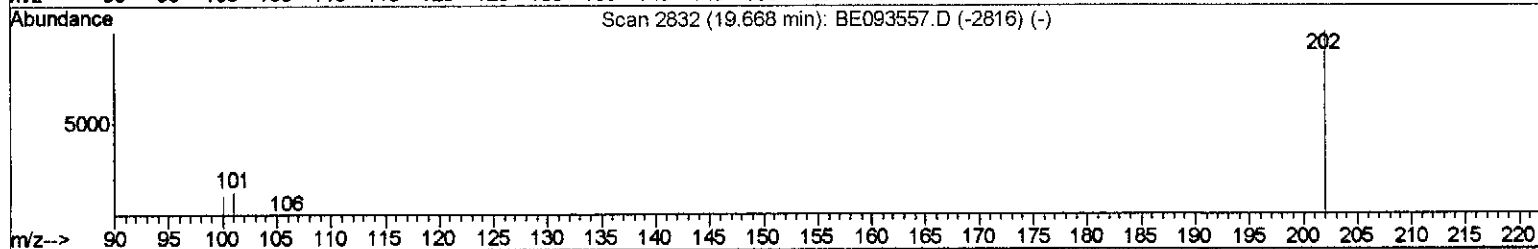
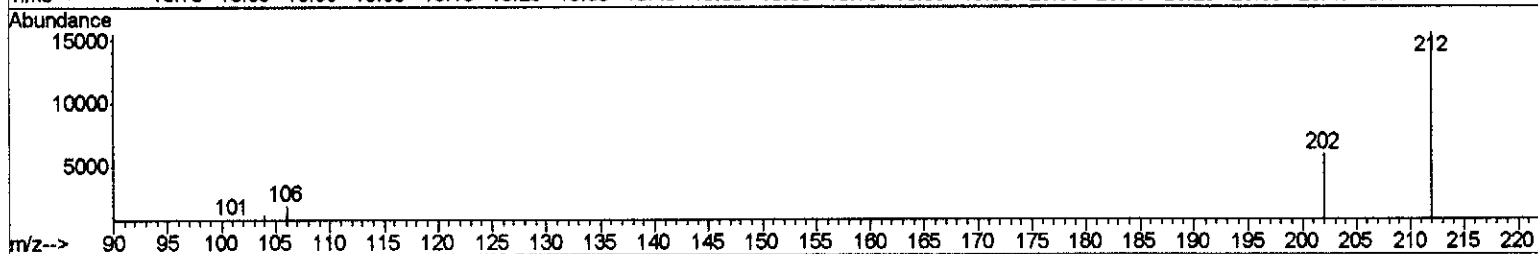
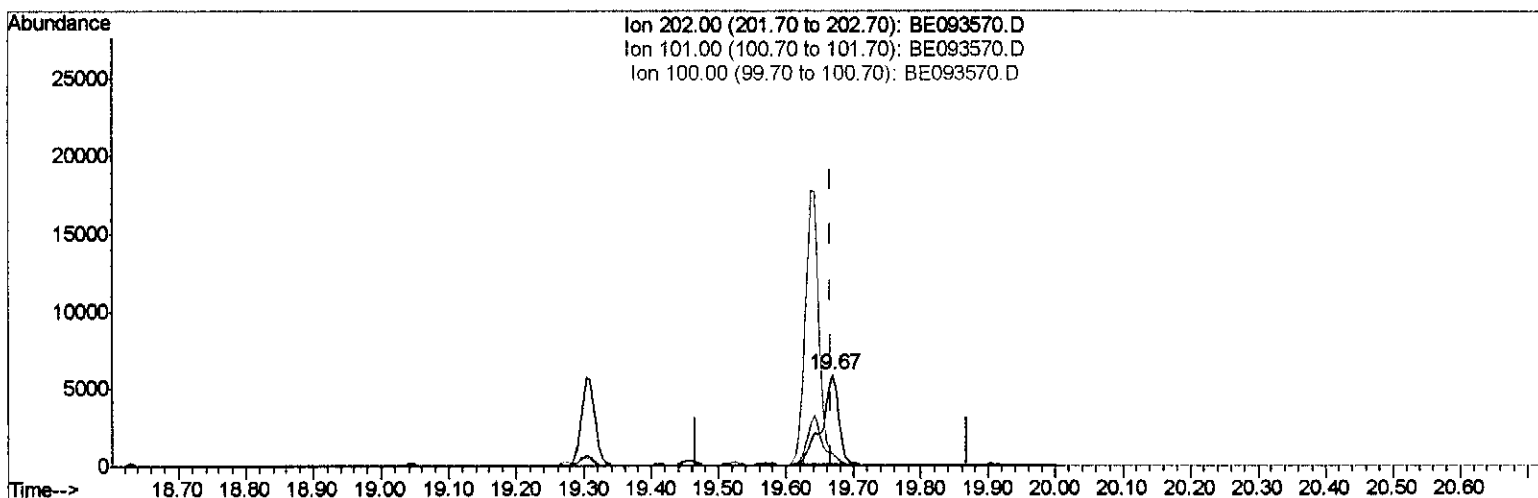
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:54:24 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: BE093570.D

(17) Pyrene

19.668min (+0.001) 0.15ng/ul

response 10172

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	13.56#
100.00	19.50	13.18#
0.00	0.00	0.00

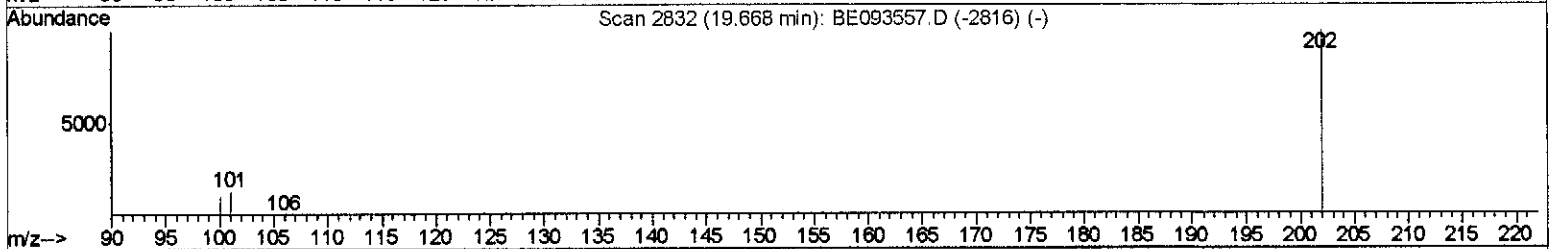
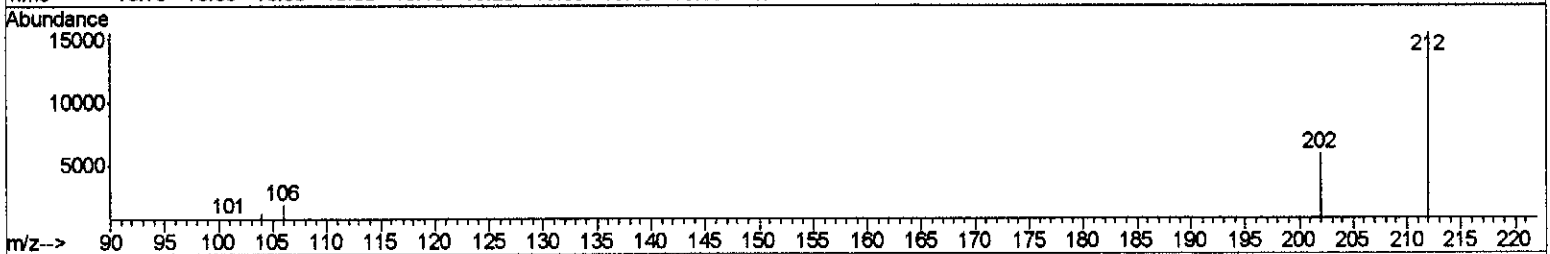
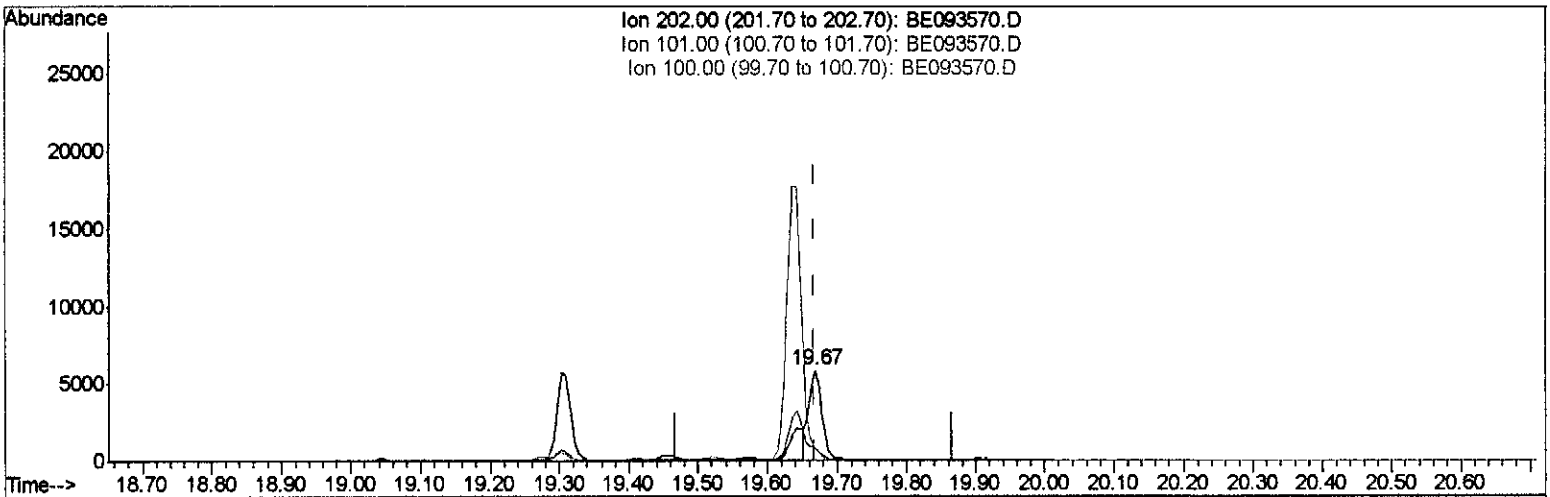
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:54:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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Response via : Initial Calibration



TIC: BE093570.D

(17) Pyrene

19.668min (+0.001) 0.12ng/ul m

SJ 8/4/17

response 7807

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	13.56#
100.00	19.50	13.18#
0.00	0.00	0.00

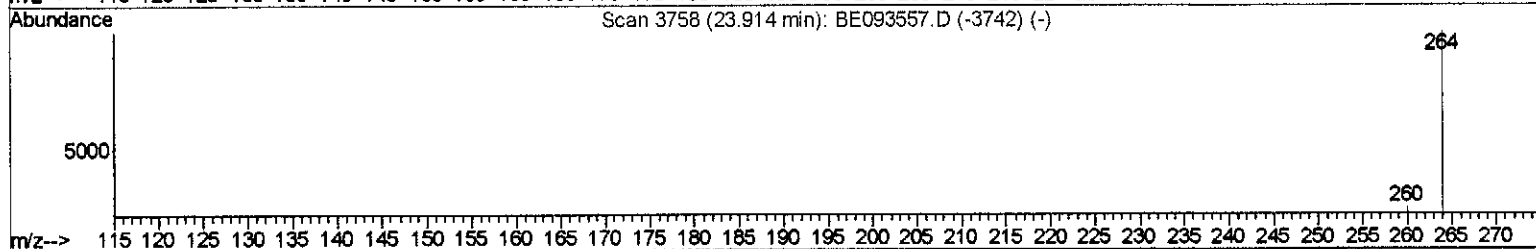
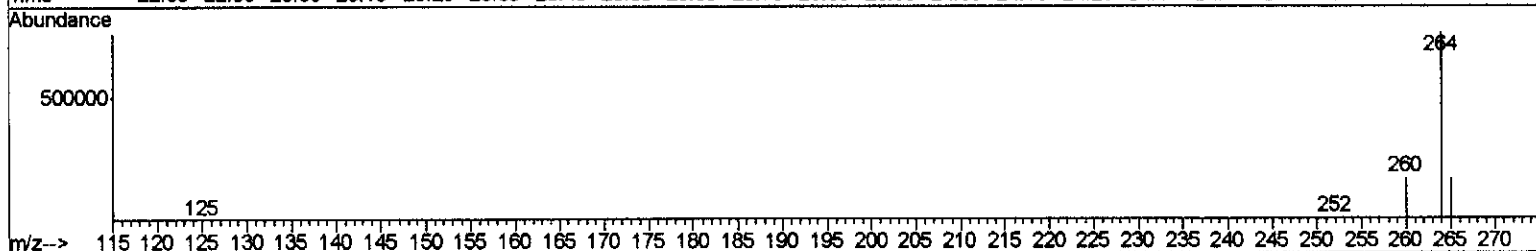
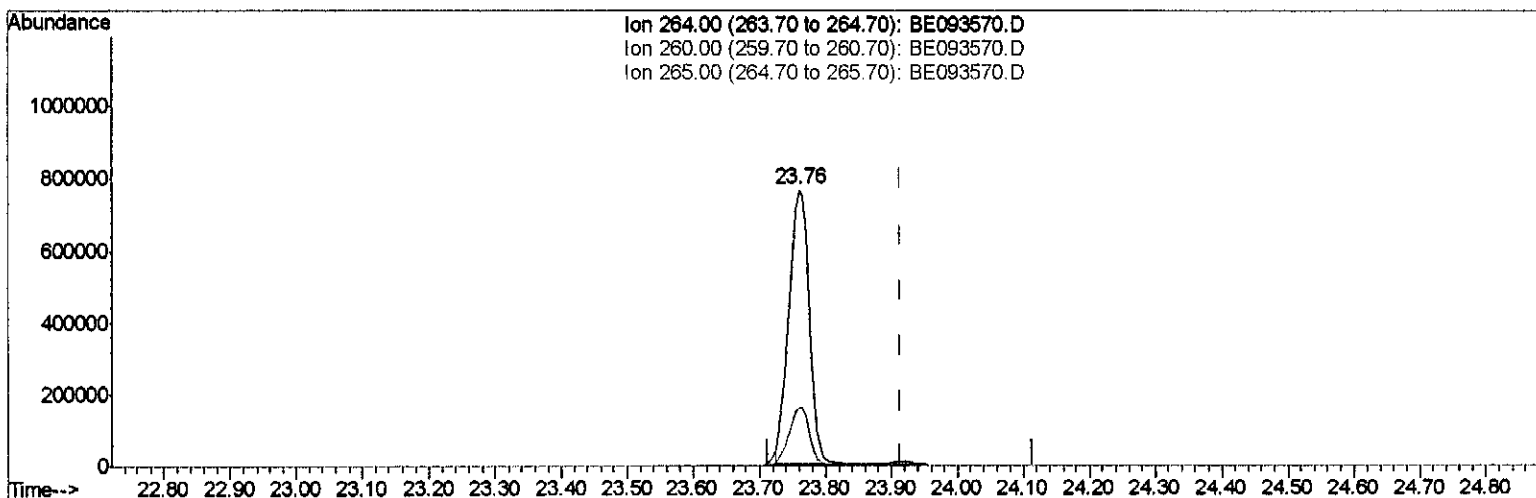
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:54:24 2017
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TIC: BE093570.D

(20) Perylene-d12 (I)

23.760min (-0.154) 0.40ng/ul

response 1643251

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.48#
265.00	103.50	21.47#
0.00	0.00	0.00

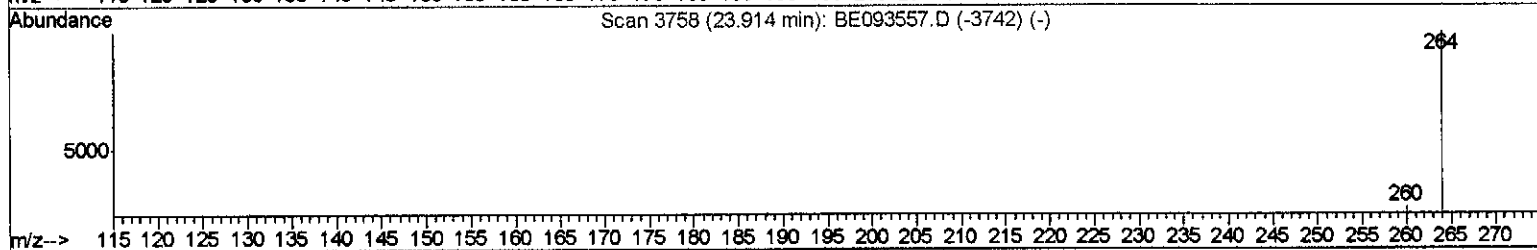
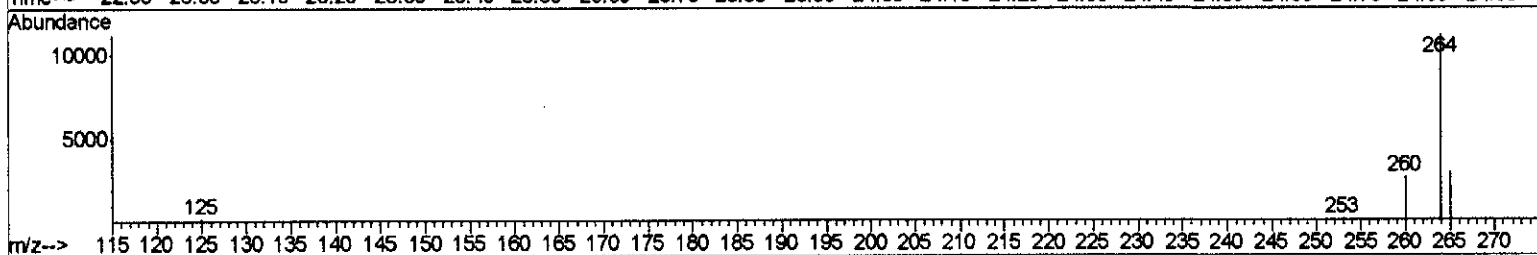
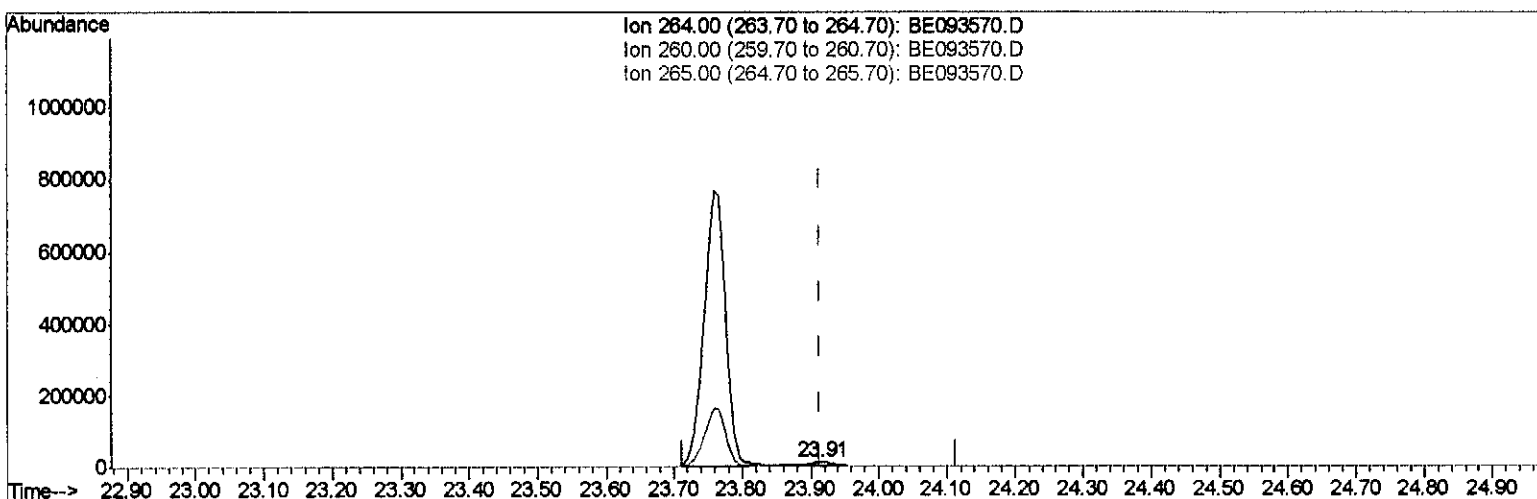
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleID :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:54:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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Response via : Initial Calibration



TIC: BE093570.D

(20) Perylene-d12 (I)

23.915min (+0.001) 0.40ng/ul m

SJ 8/8/17

response 18496

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	23.89#
265.00	103.50	26.68#
0.00	0.00	0.00

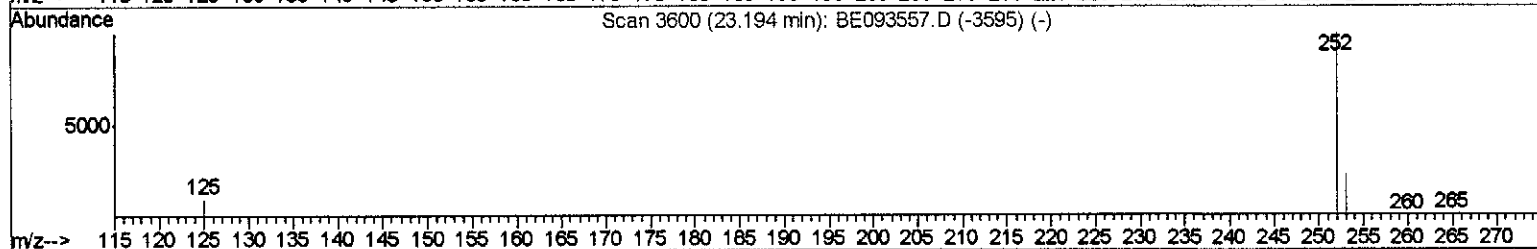
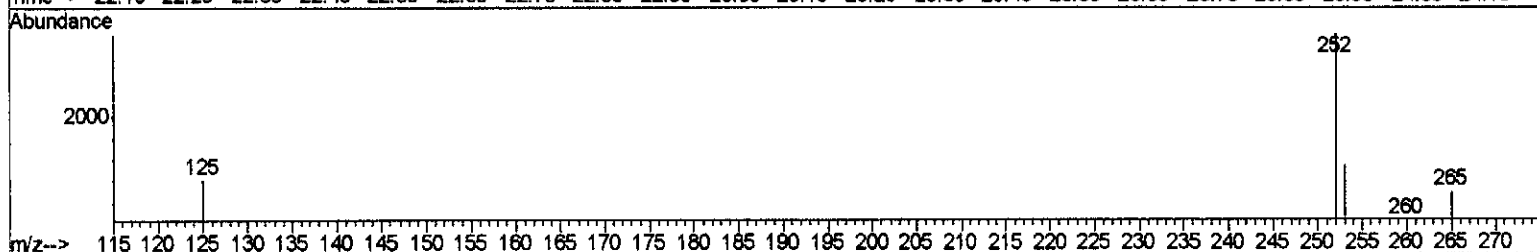
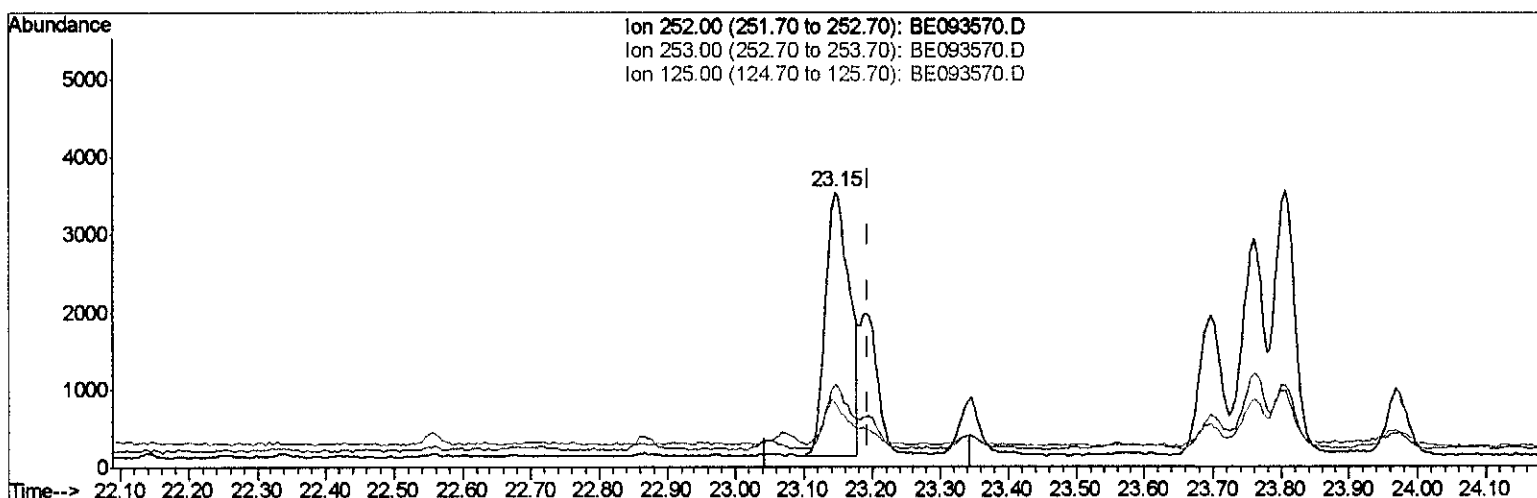
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 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: BE093570.D

(22) Benzo(k)fluoranthene

23.145min (-0.049) 0.15ng/ul

response 8422

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	30.43
125.00	17.10	23.29#
0.00	0.00	0.00

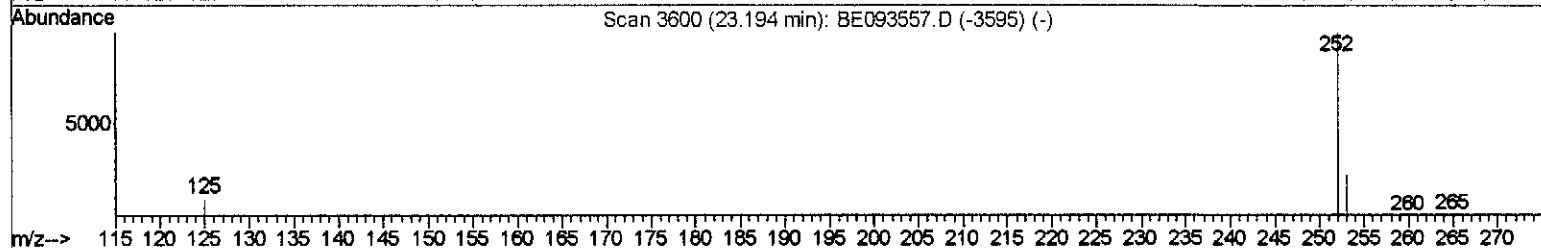
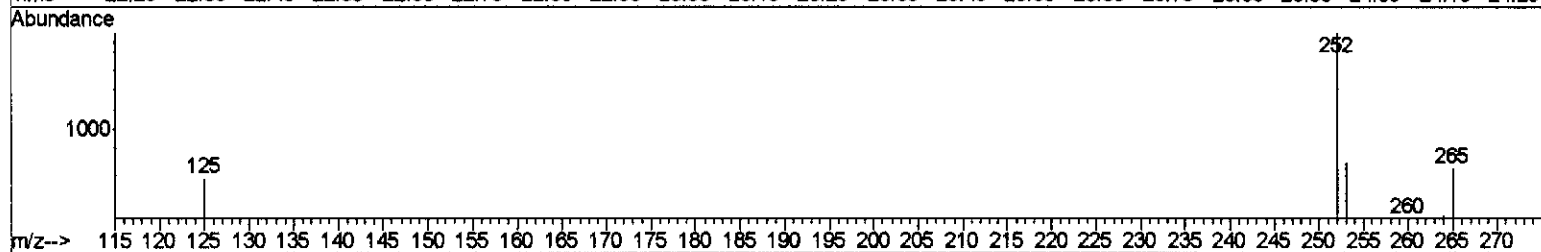
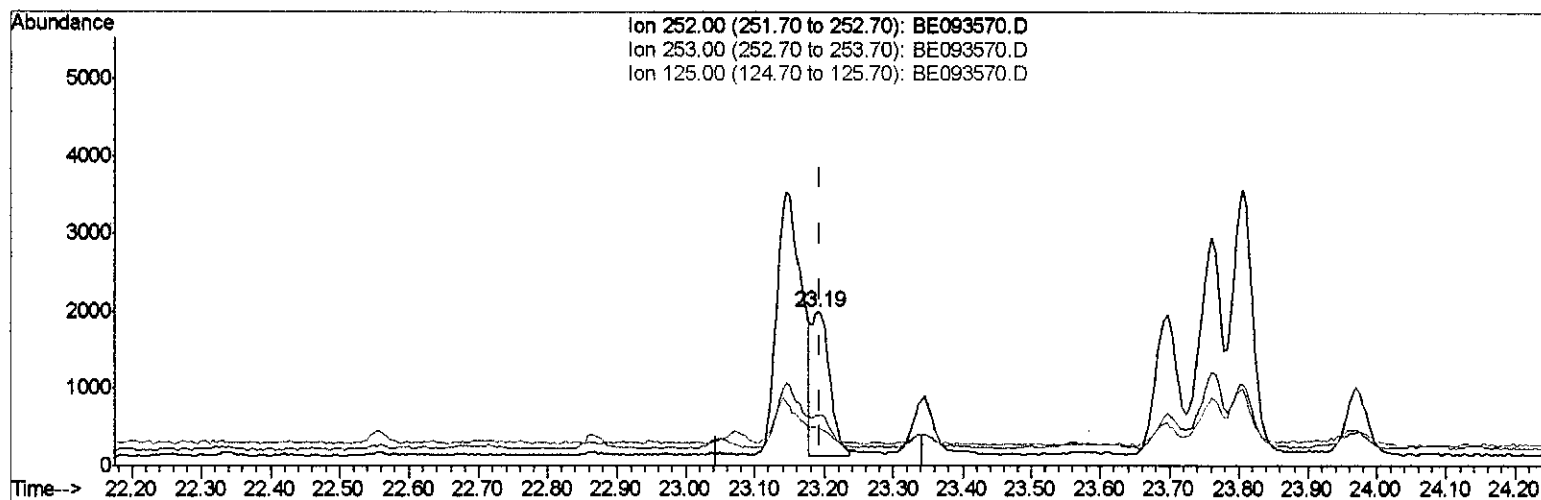
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 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: BE093570.D

(22) Benzo(k)fluoranthene

23.191min (-0.004) 0.06ng/ul m

SJ 8/8/17

response 3383

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	32.58
125.00	17.10	24.43#
0.00	0.00	0.00

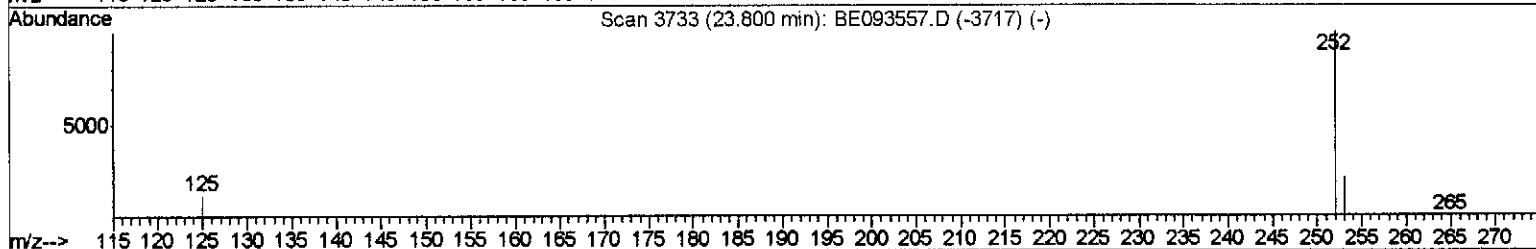
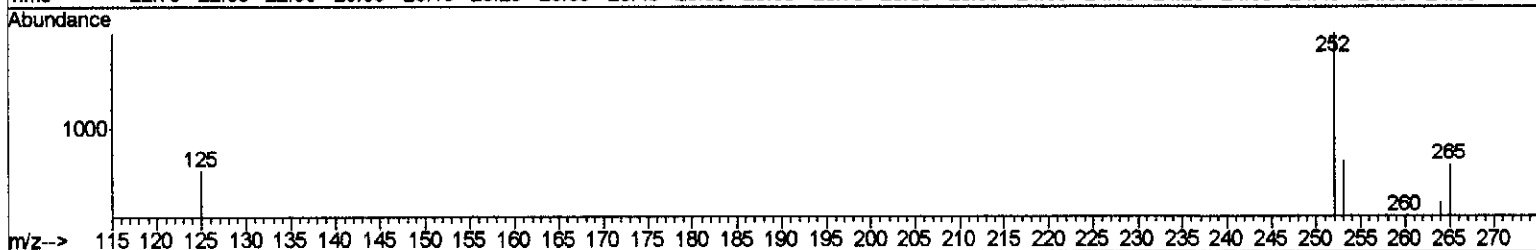
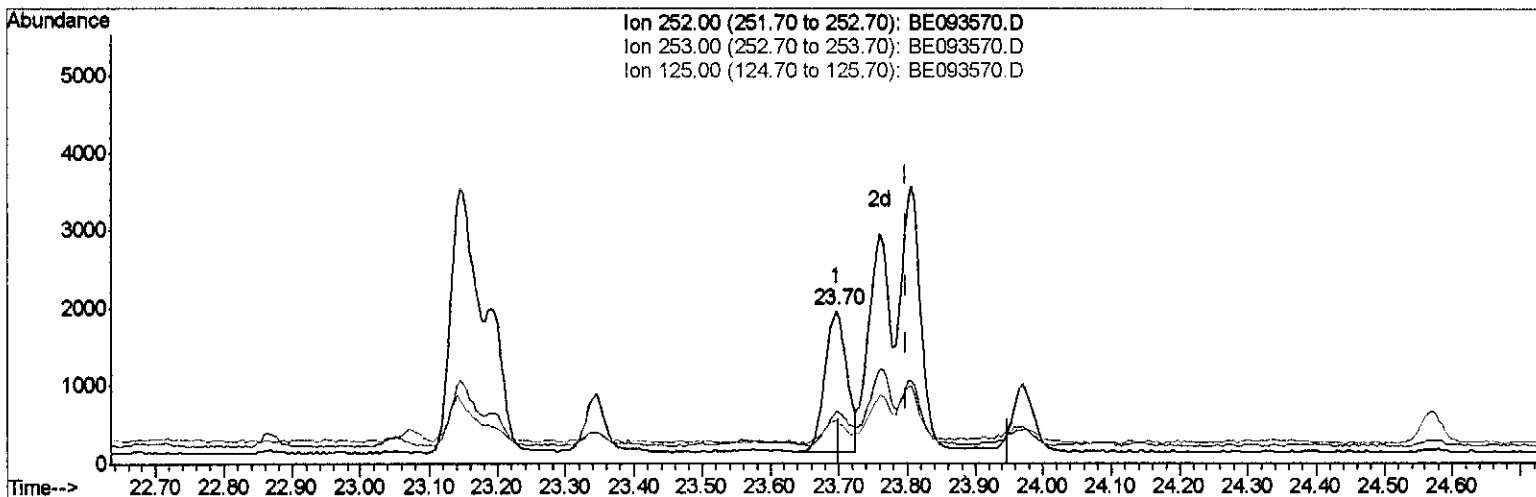
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093570.D

(23) Benzo(a)pyrene (C)

23.696min (-0.104) 0.08ng/ul

response 4100

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	34.37
125.00	22.60	28.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

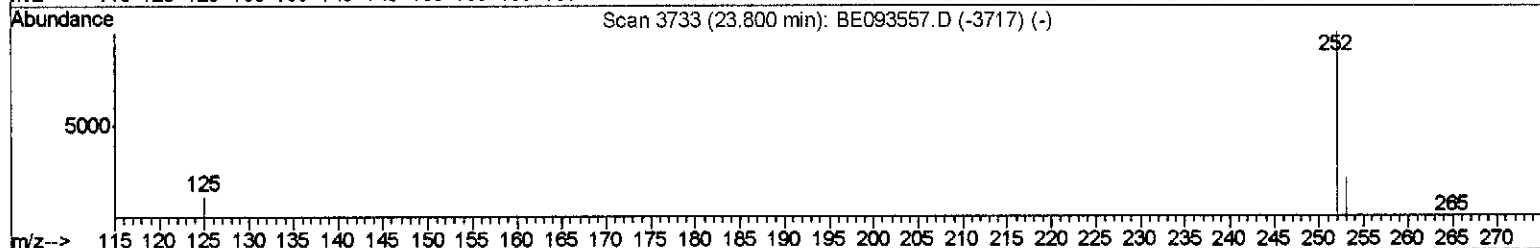
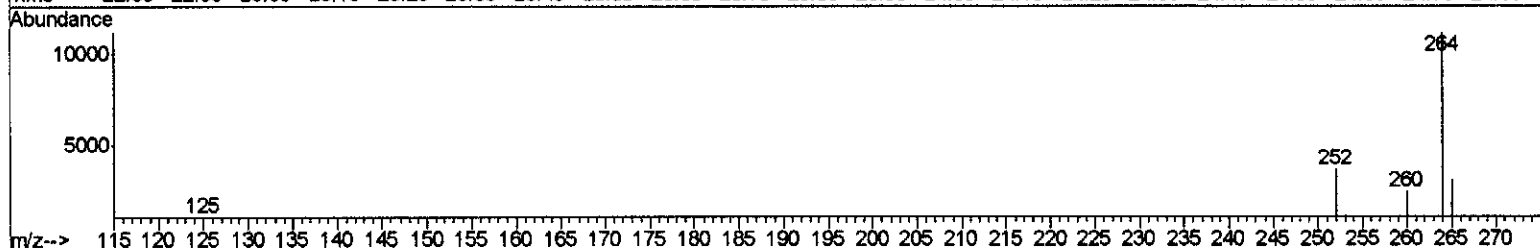
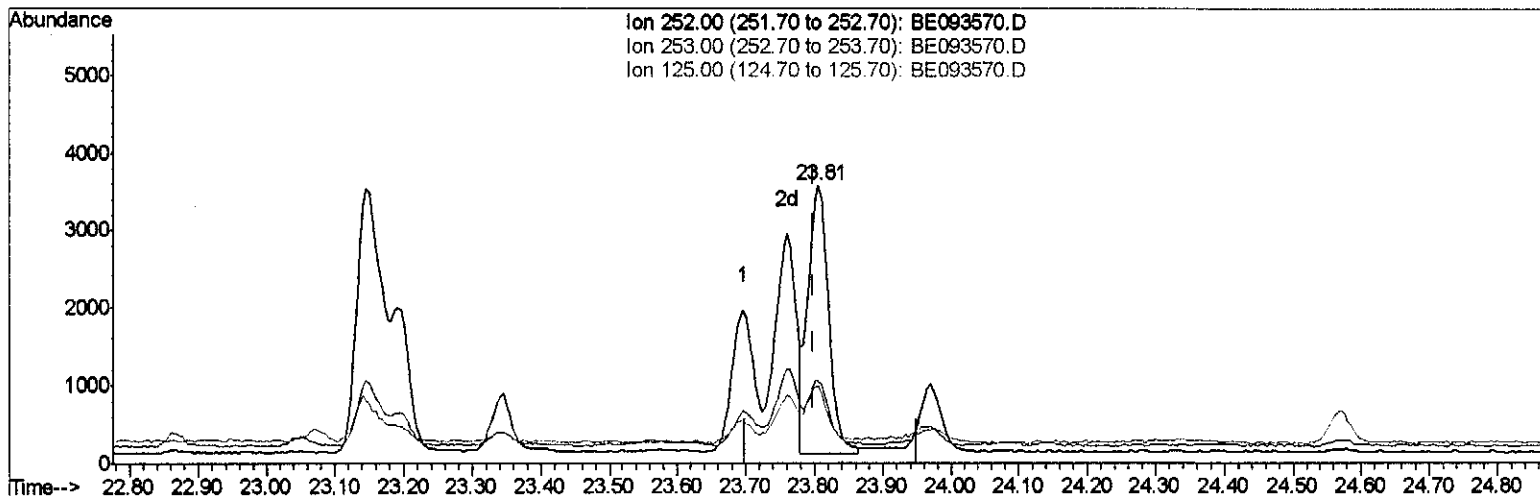
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093570.D
 Acq On : 25 Jul 2017 10:40
 Operator : SJ/JU
 Sample : I4209-10
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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 Response via : Initial Calibration



TIC: BE093570.D

(23) Benzo(a)pyrene (C)

23.806min (+0.006) 0.13ng/ul m

response 7240

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.71
125.00	22.60	28.06%
0.00	0.00	0.00

SJ 8/8/17

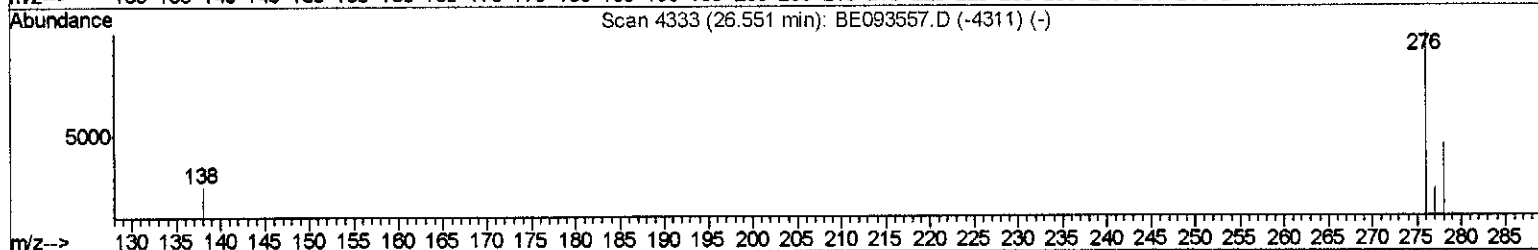
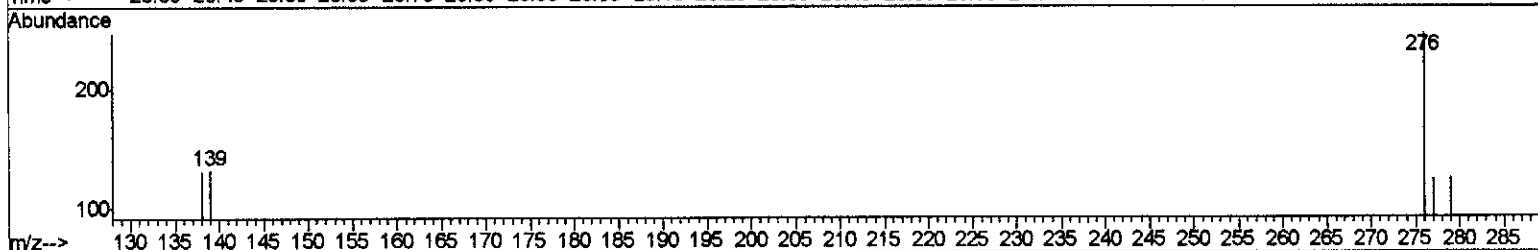
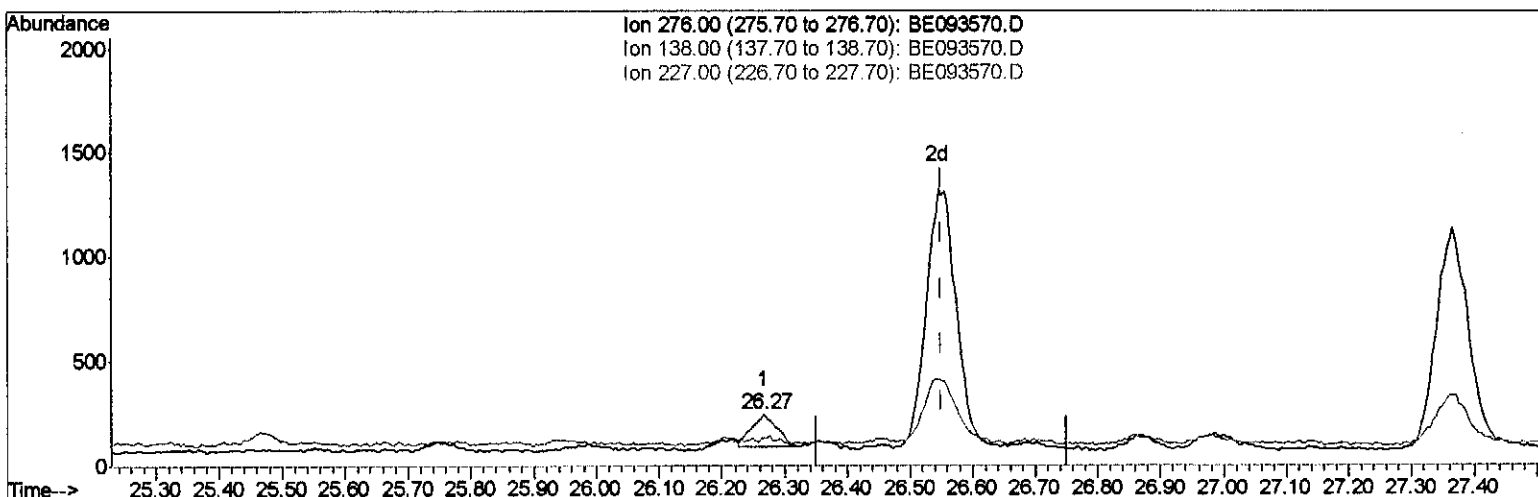
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
Data File : BE093570.D
Acq On : 25 Jul 2017 10:40
Operator : SJ/JU
Sample : I4209-10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0B13

Manual Integrations
APPROVED

Sohil
7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093570.D

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

26.267min (-0.284) 0.01ng/ul

response 451

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	12.20#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

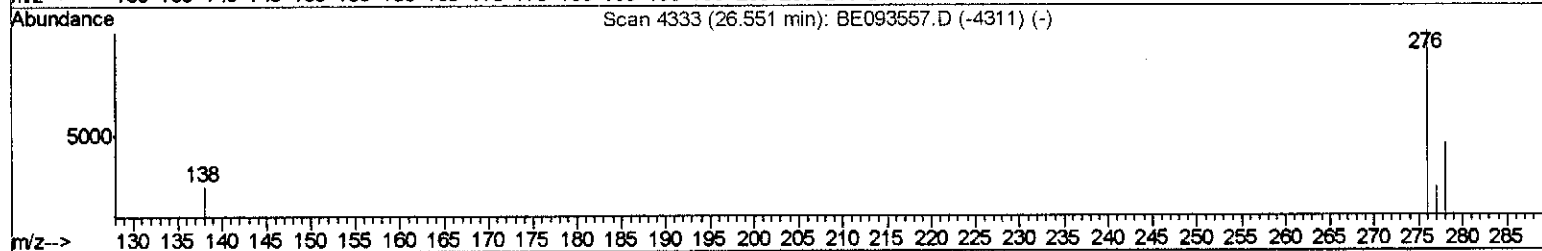
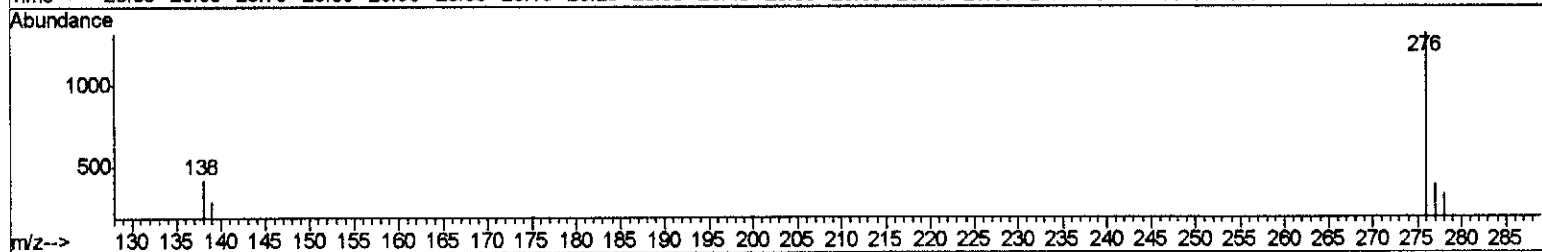
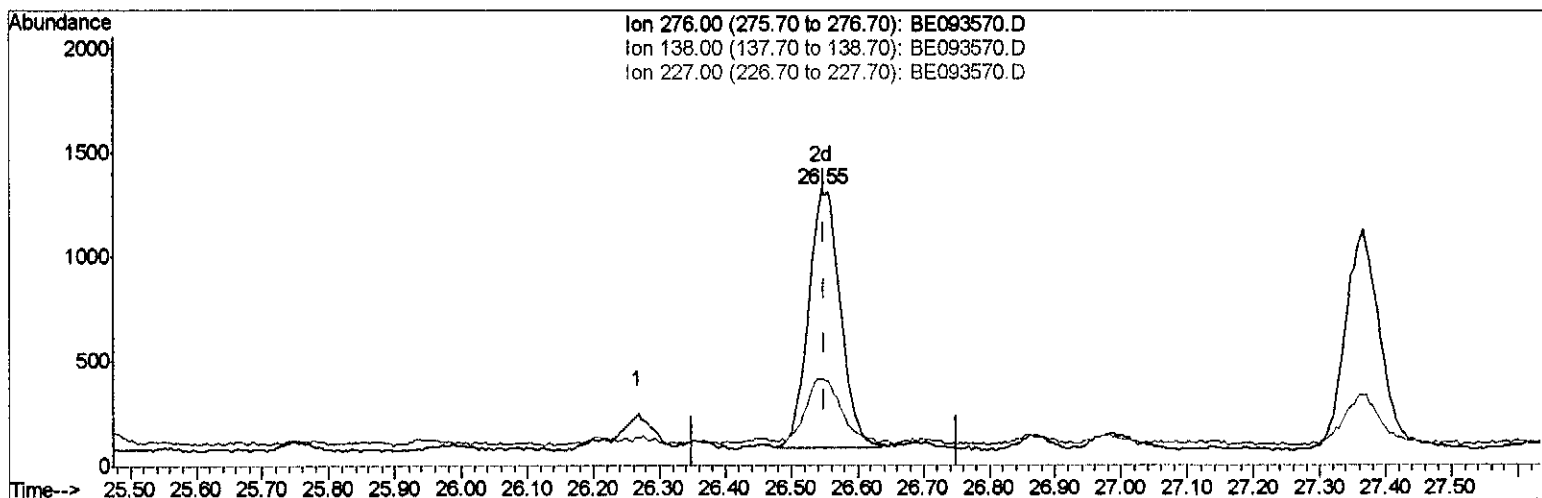
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093570.D
 Acq On : 25 Jul 2017 10:40
 Operator : SJ/JU
 Sample : I4209-10
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
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Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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TIC: BE093570.D

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

26.545min (-0.006) 0.07ng/ul m

SJ 8/8/17

response 4162

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.32#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

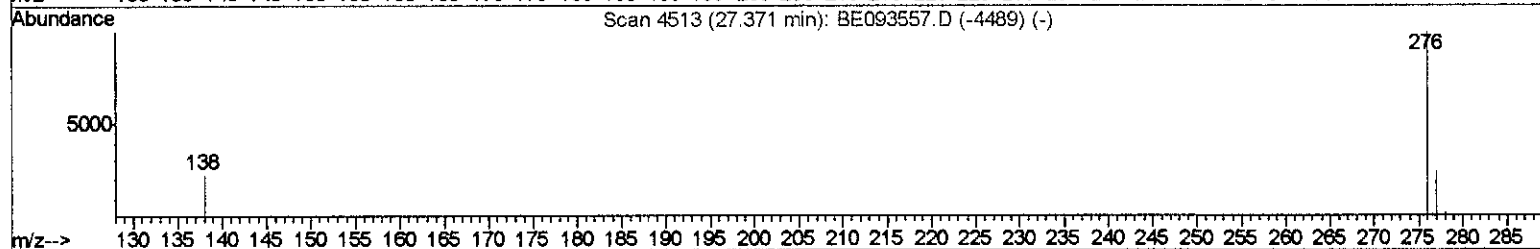
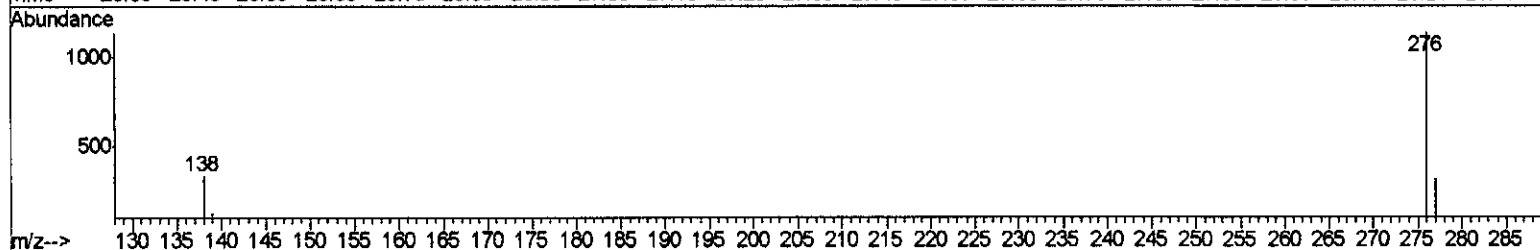
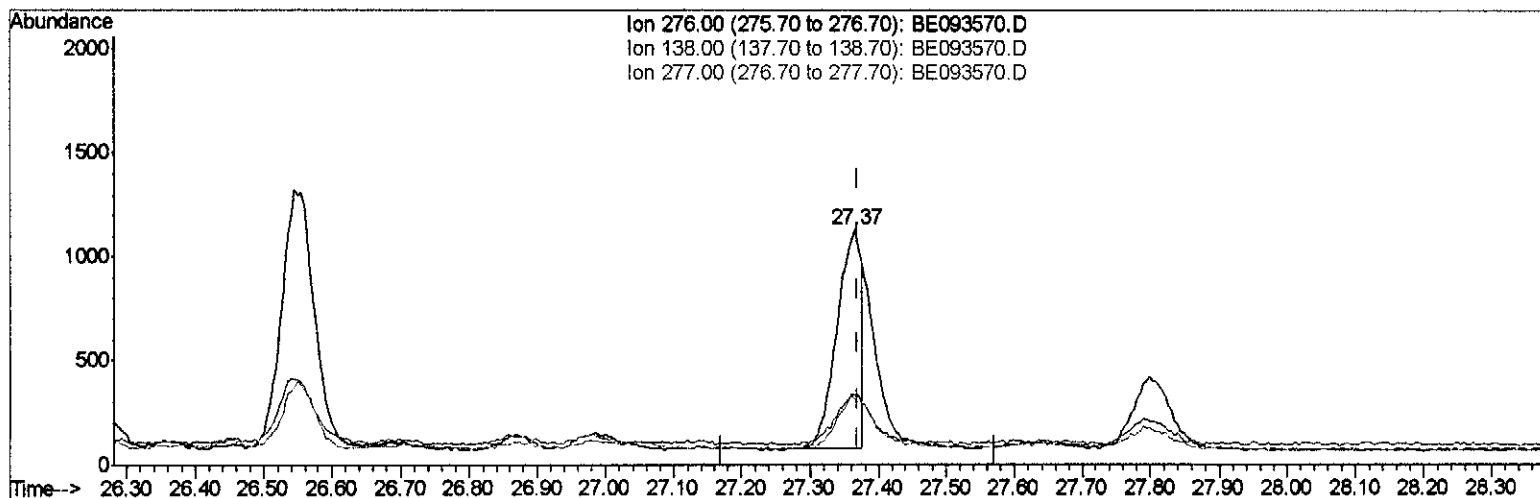
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093570.D
 Acq On : 25 Jul 2017 10:40
 Operator : SJ/JU
 Sample : I4209-10
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 2017
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TIC: BE093570.D

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

27.365min (-0.006) 0.05ng/ul

response 2552

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	29.10
277.00	25.60	27.78
0.00	0.00	0.00

Quantitation Report (Qedit)

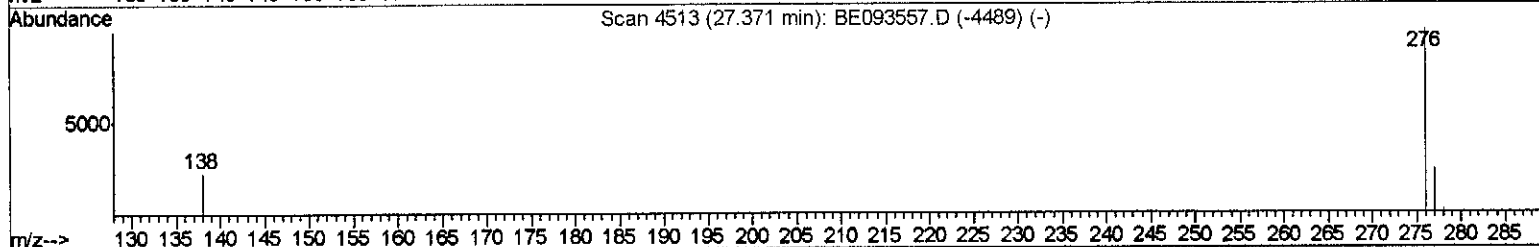
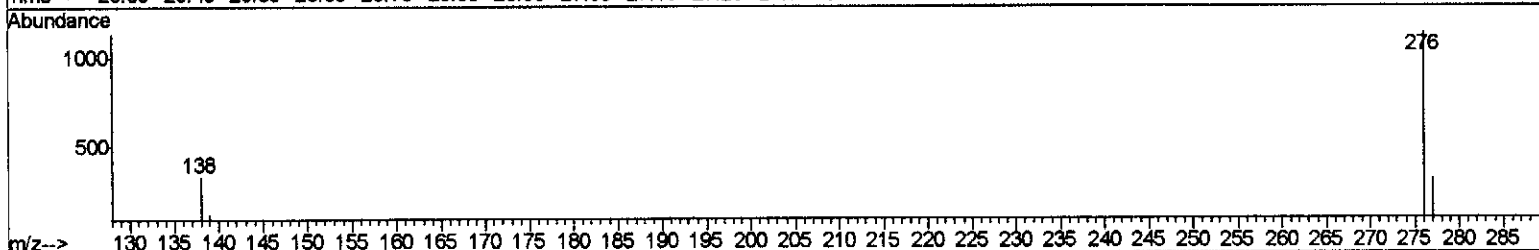
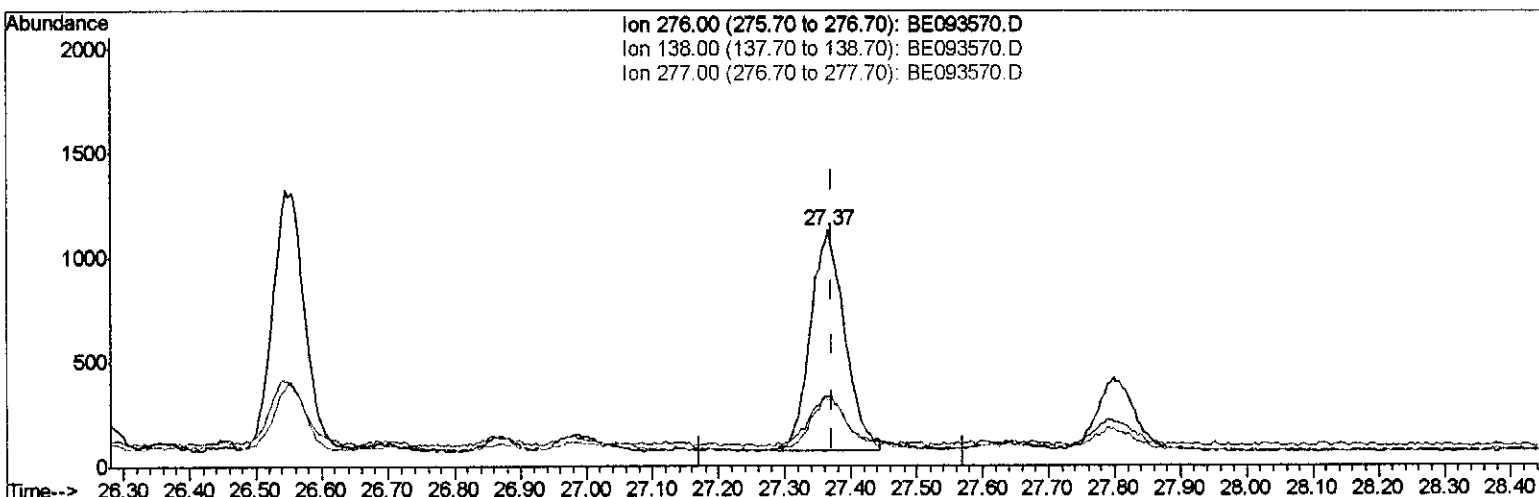
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
 Data File : BE093570.D
 Acq On : 25 Jul 2017 10:40
 Operator : SJ/JU
 Sample : I4209-10
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:34:17 PM

Quant Time: Jul 25 12:57:13 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: BE093570.D

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

27.365min (-0.006) 0.08ng/ul m

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response 3816

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	29.10
277.00	25.60	27.78
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072417\
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 BNA_E
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 C0B13

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:34:17 PM

Quant Time: Jul 25 13:00:06 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	7.93	152	2178	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	11810	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	8251	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	20557m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	22943	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	18496m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Methylnaphthalene-d10	12.29	152	6404	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	21961	0.34	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	2002	0.070	ng/ul#	94
12) Phenanthrene	17.29	178	3375	0.060	ng/ul#	88
15) Fluoranthene	19.30	202	7899	0.113	ng/ul	84
17) Pyrene	19.67	202	7807m	0.117	ng/ul	
18) Benzo(a)anthracene	21.40	228	5793	0.087	ng/ul#	85
19) Chrysene	21.45	228	6064	0.095	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	8422	0.147	ng/ul	93
22) Benzo(k)fluoranthene	23.19	252	3383m	0.060	ng/ul	
23) Benzo(a)pyrene	23.81	252	7240m	0.133	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	4162m	0.069	ng/ul	
26) Benzo(g,h,i)perylene	27.37	276	3816m	0.075	ng/ul	

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