

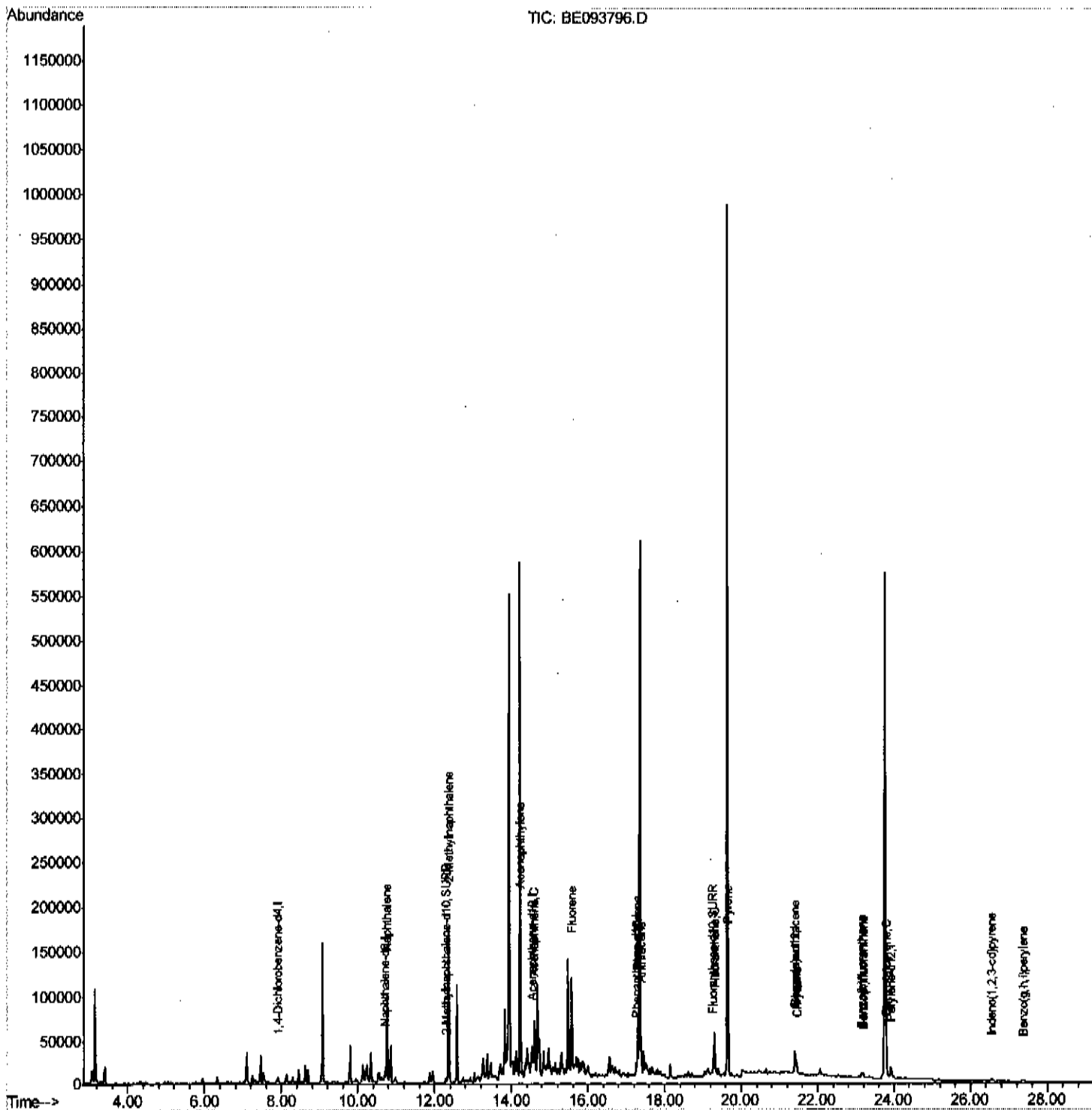
Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED

Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 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 Aug 15 10:51:12 2017  
 Response via : Initial Calibration



Quantitation Report (Qedit)

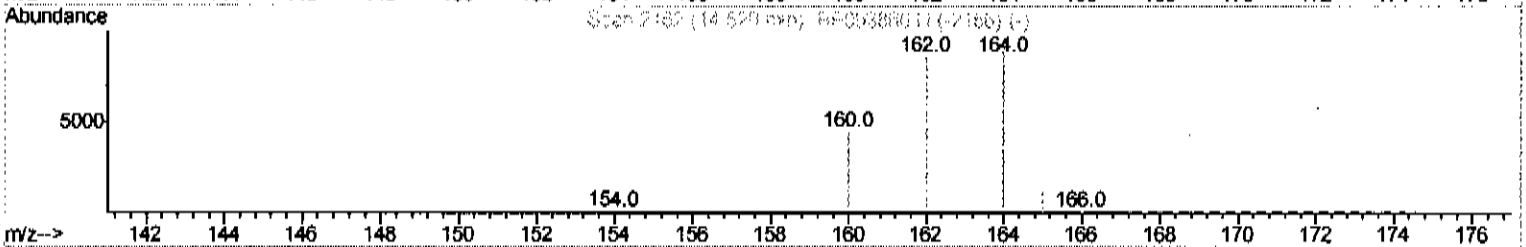
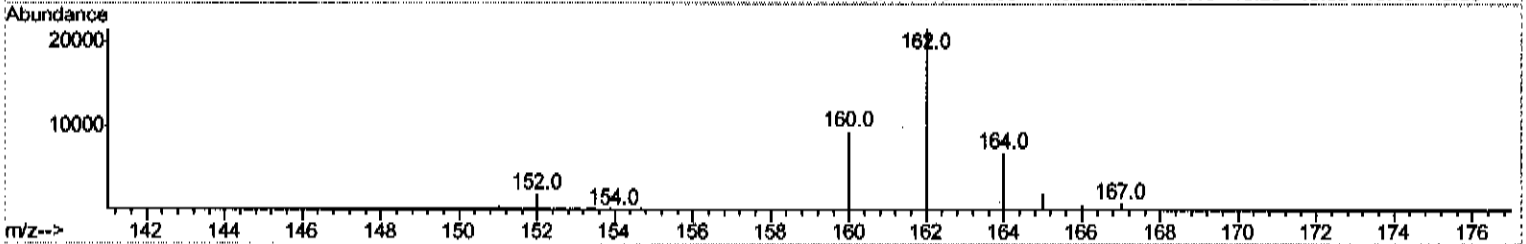
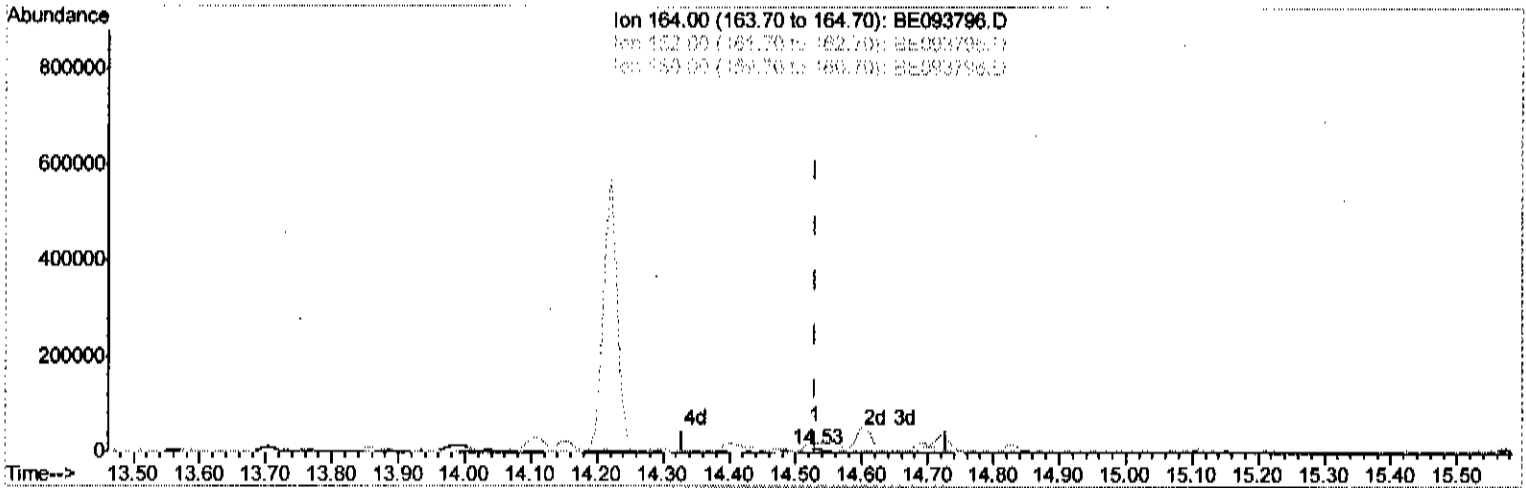
Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED

Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 18 08:22:06 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 17 19:06:13 2017  
 Response via : Initial Calibration



TIC: BE093796.D

(6) Acenaphthene-d10 (I)  
 14.530min (+0.001) 0.40ng/ul  
 response 14107

ion	Exp%	Act%
164.00	100	100
162.00	98.60	308.93#
160.00	48.80	133.66#
0.00	0.00	0.00

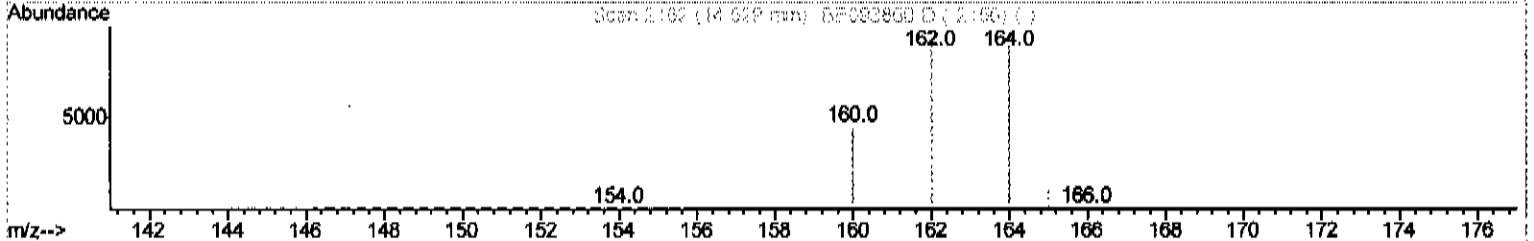
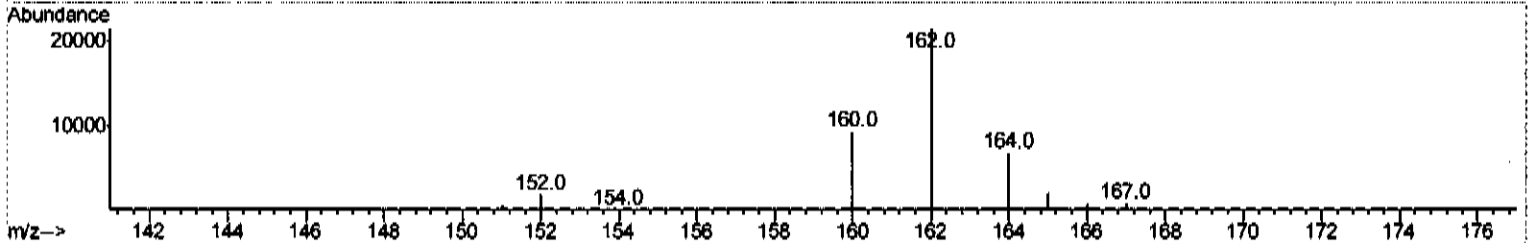
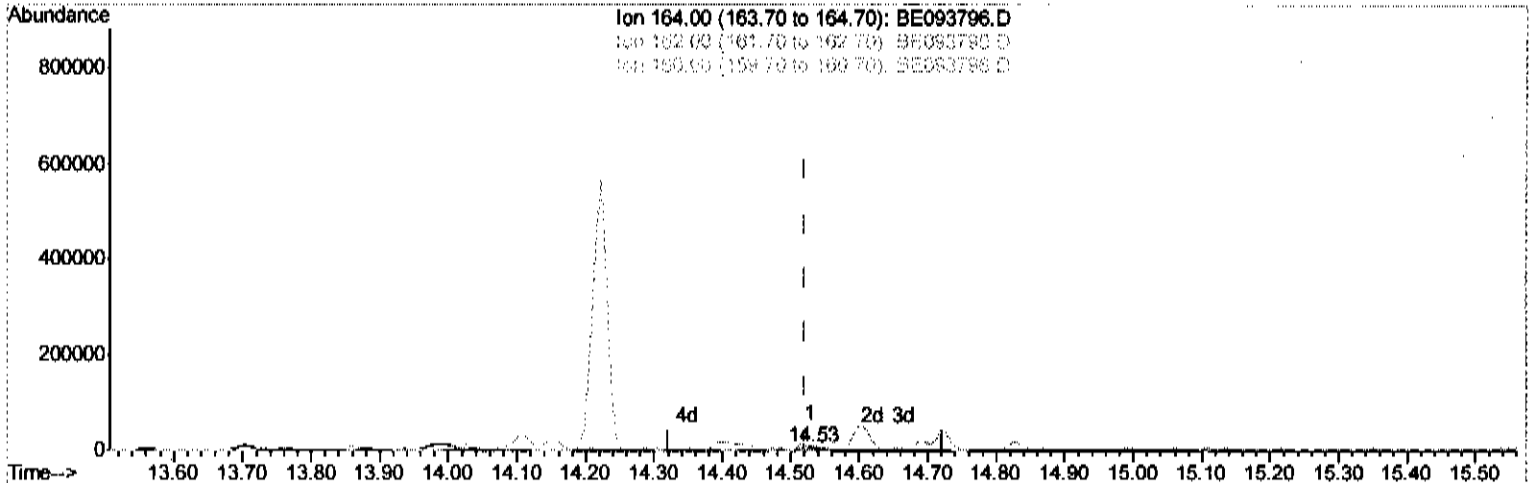
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED  
 Schil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M  
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 QLast Update : Tue Aug 15 10:51:12 2017  
 Response via : Initial Calibration



TIC: BE093796.D

(6) Acenaphthene-d10 (I)

14.530min (+0.008) 0.40ng/ul m  
*Schil*  
*8/18/17*

response 9927

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	308.93#
160.00	48.80	133.66#
0.00	0.00	0.00

Quantitation Report (Qedit)

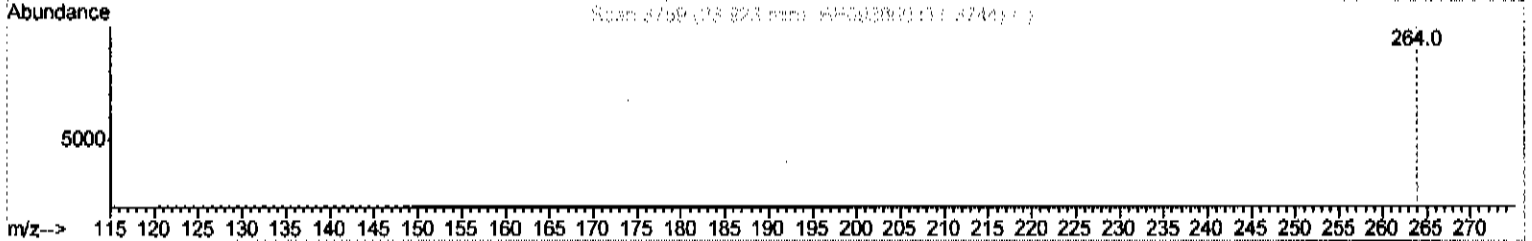
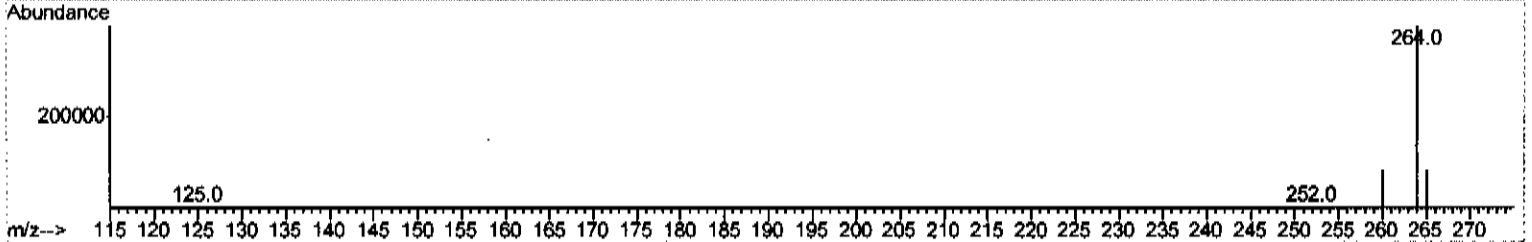
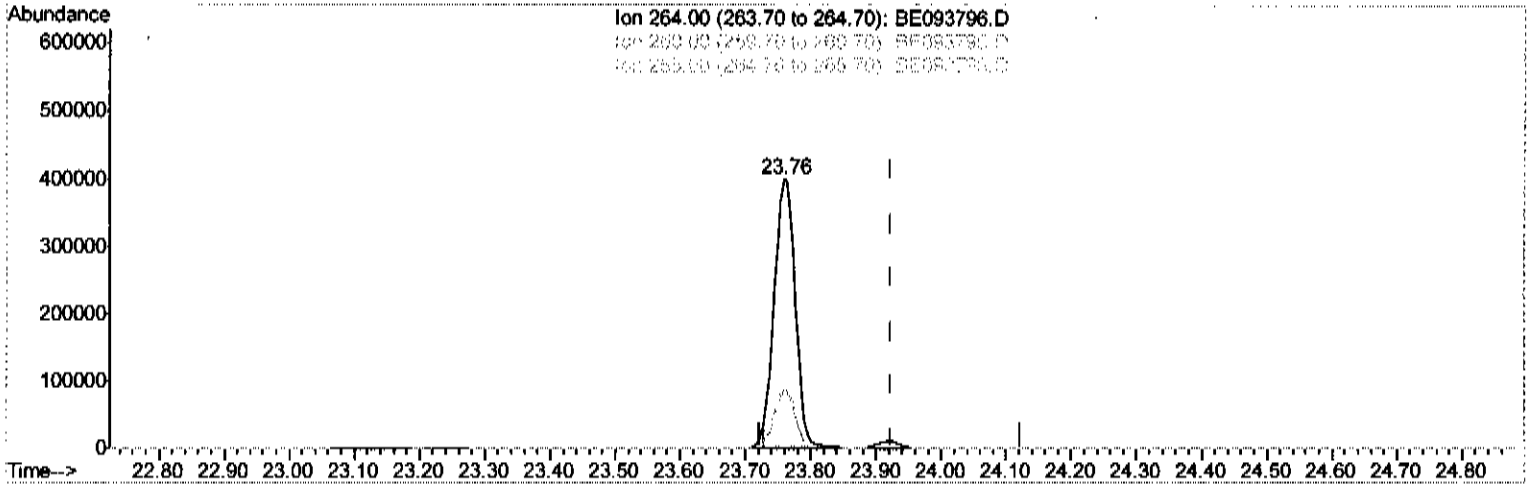
Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
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Sohil  
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Quant Time: Aug 18 08:22:06 2017  
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 Response via : Initial Calibration



TIC: BE093796.D

(20) Perylene-d12 (I)

23.759min (-0.163) 0.40ng/ul

response 877657

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.28#
265.00	103.50	21.84#
0.00	0.00	0.00

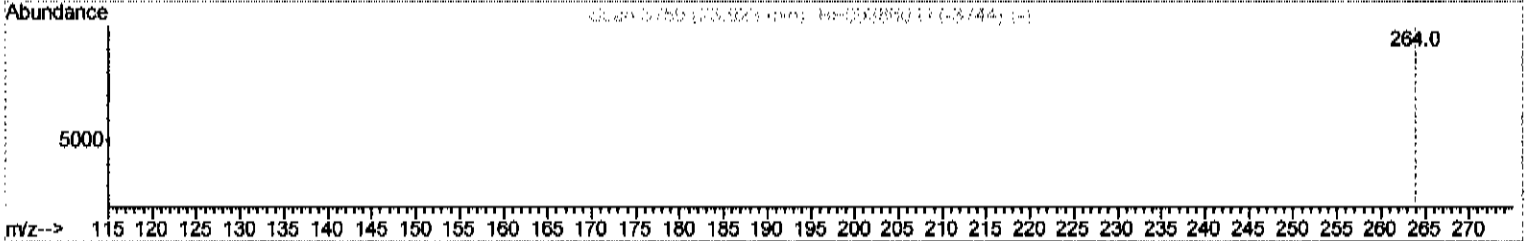
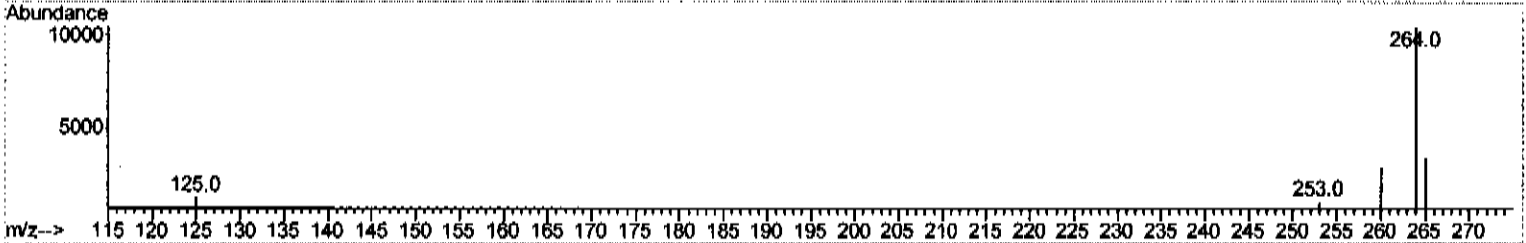
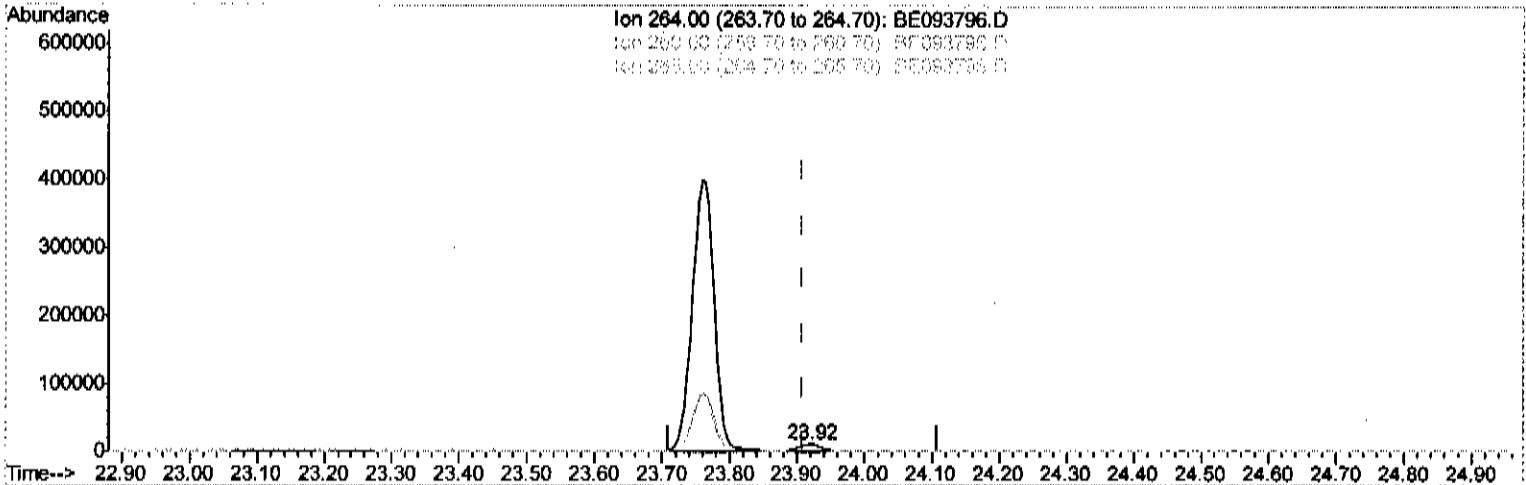
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acc On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED  
 Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M  
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 Response via : Initial Calibration



TIC: BE093796.D

(20) Perylene-d12 (I)

23.919min (+0.010) 0.40ng/ul m

*SJ/JU*  
 8/18/17

response 17697

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.27
265.00	103.50	33.49#
0.00	0.00	0.00

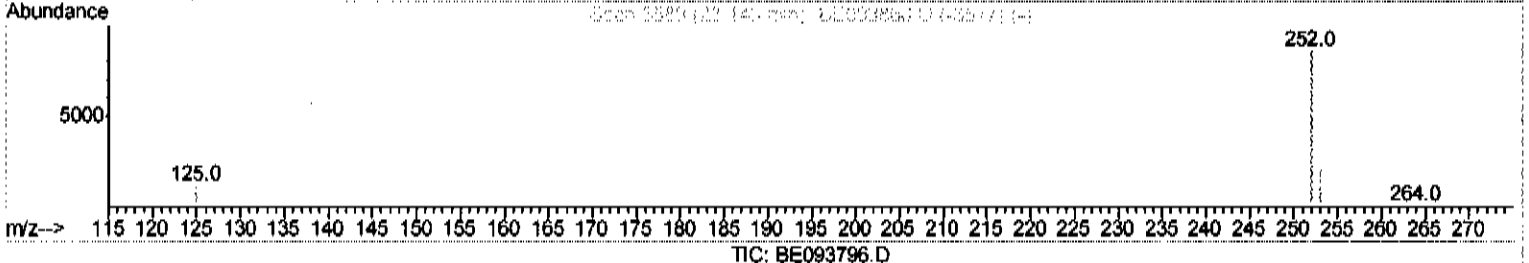
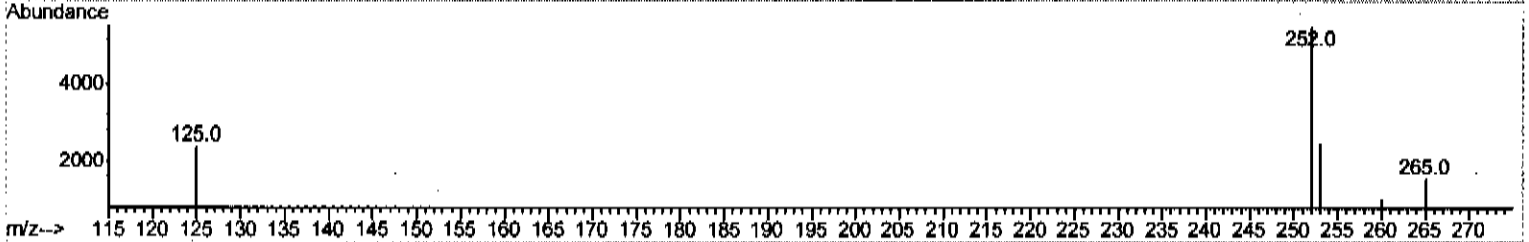
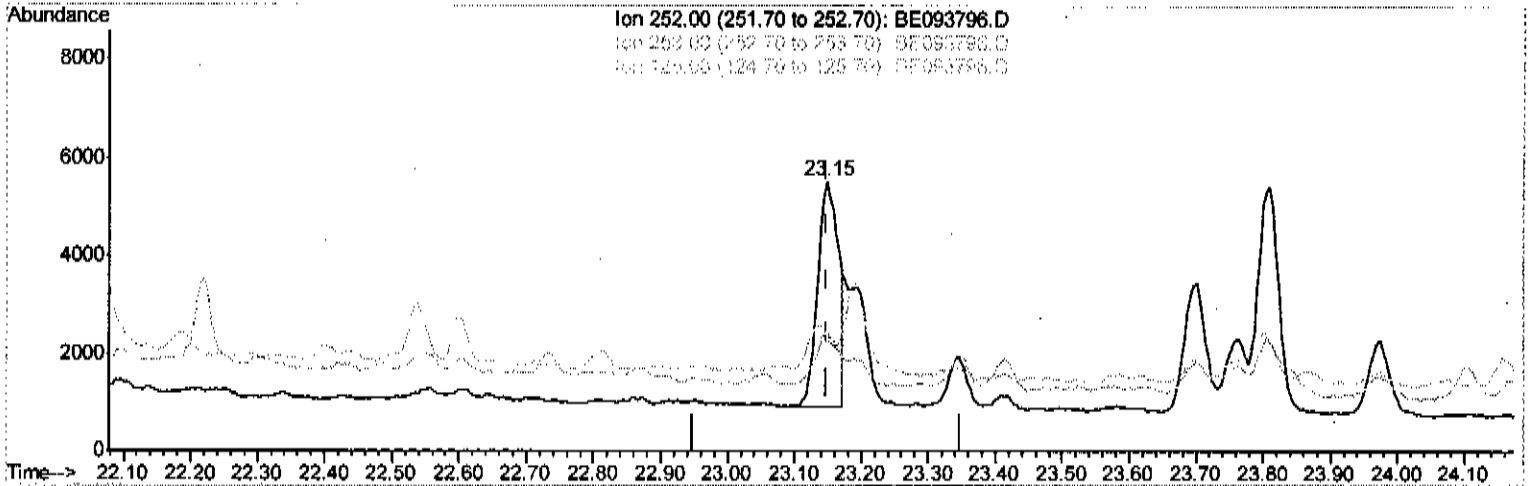
Quantitation Report (Qcudit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED  
 Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 18 08:22:06 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 17 19:06:13 2017  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene  
 23.149min (+0.000) 0.00ng/ul  
 response 10235

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	44.53
125.00	17.50	42.93#
0.00	0.00	0.00

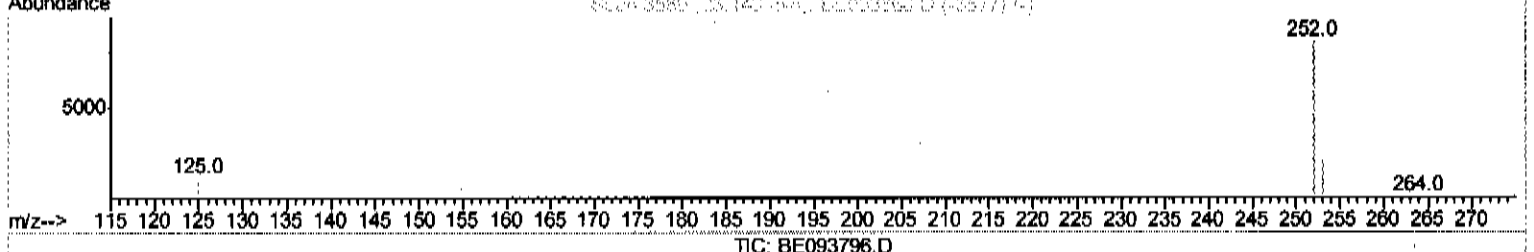
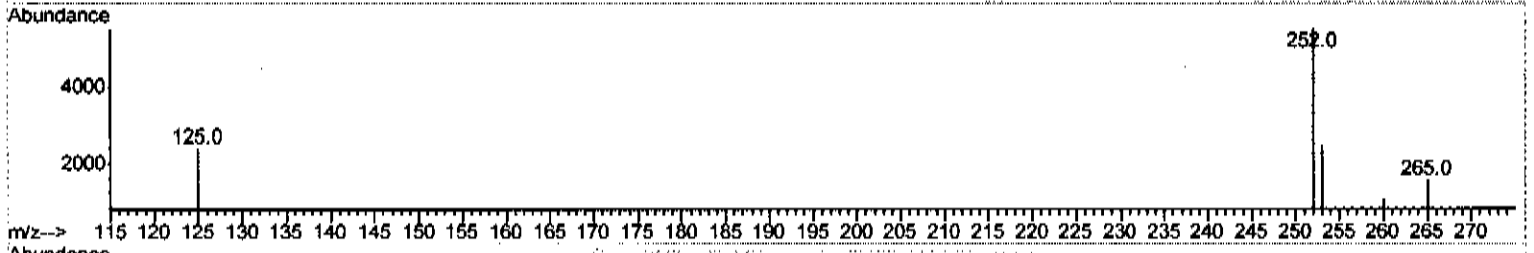
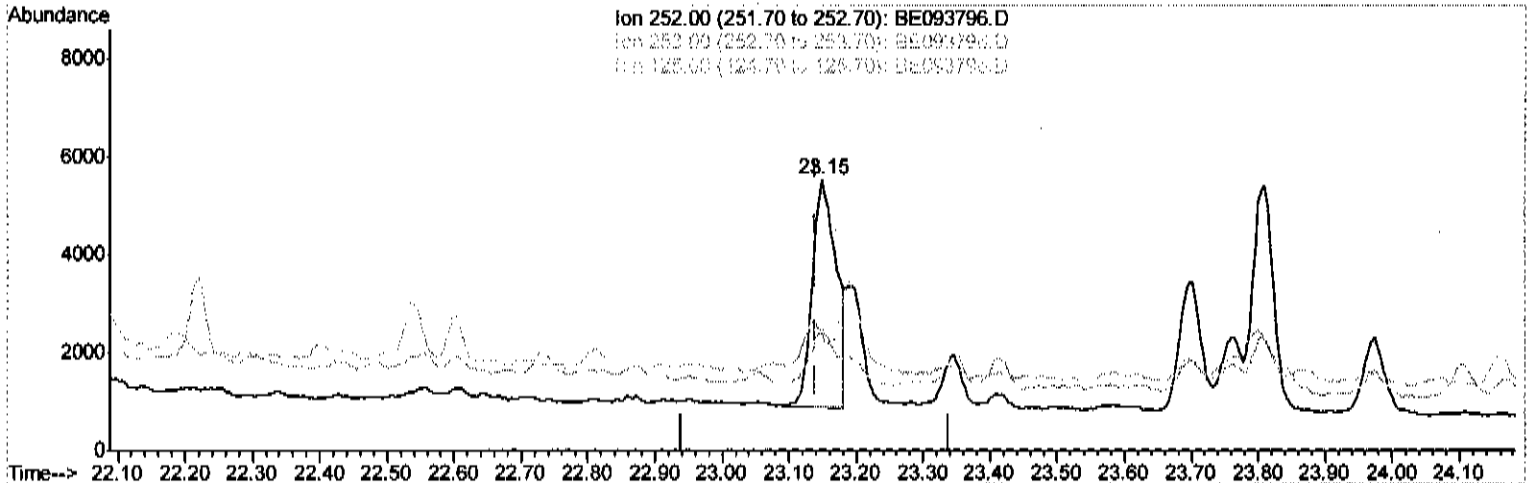
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED  
 Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 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 Aug 15 10:51:12 2017  
 Response via : Initial Calibration



TIC: BE093796.D

(21) Benzo(b)fluoranthene  
 23.149min (+0.010) 0.22ng/ul m *SJ/JU 8/18/17*  
 response 11784

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	44.53
125.00	17.50	42.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

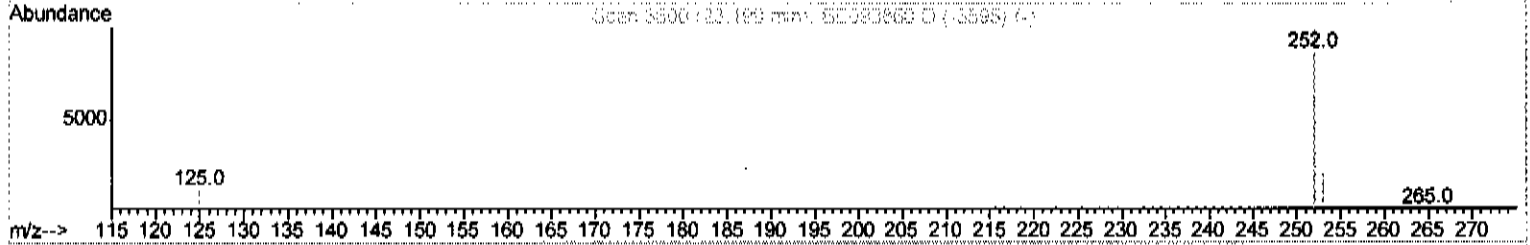
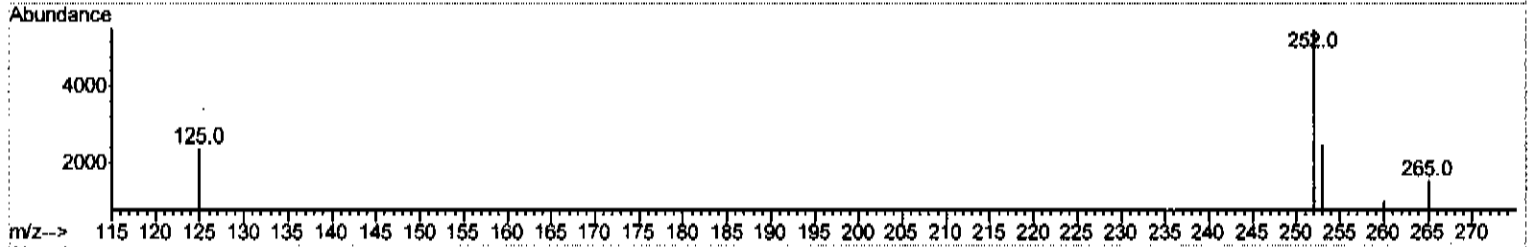
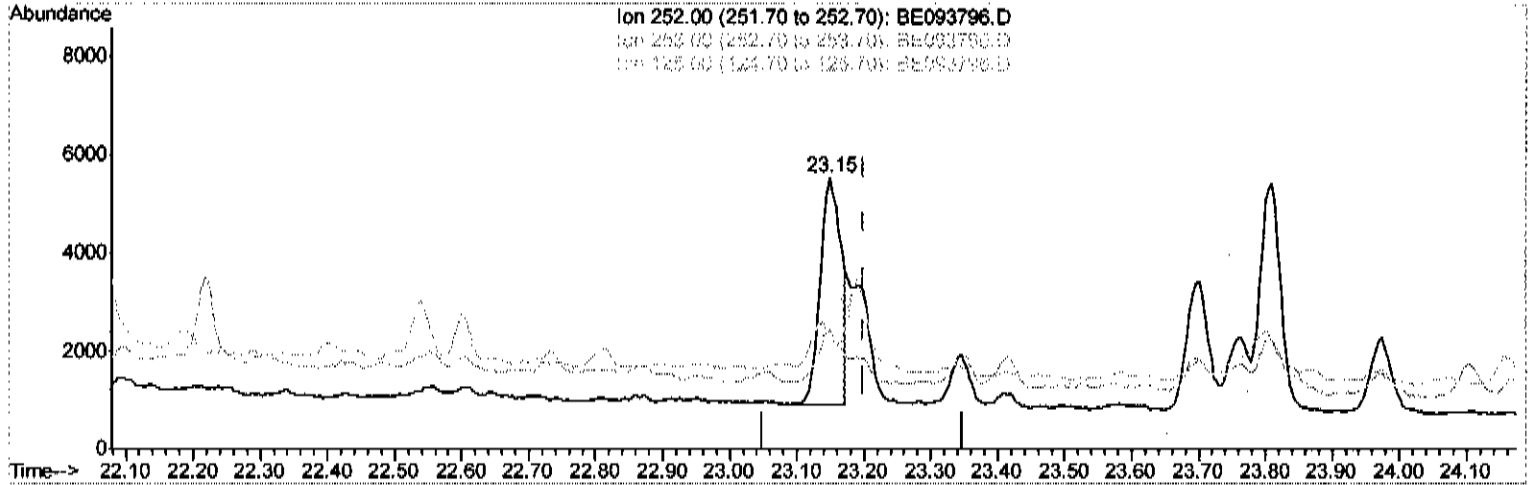
Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED

Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 18 08:22:06 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 17 19:06:13 2017  
 Response via : Initial Calibration



TIC: BE093796.D

(22) Benzo(k)fluoranthene

23.149min (-0.050) 0.00ng/ul

response 10235

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	44.53#
125.00	17.10	42.93#
0.00	0.00	0.00



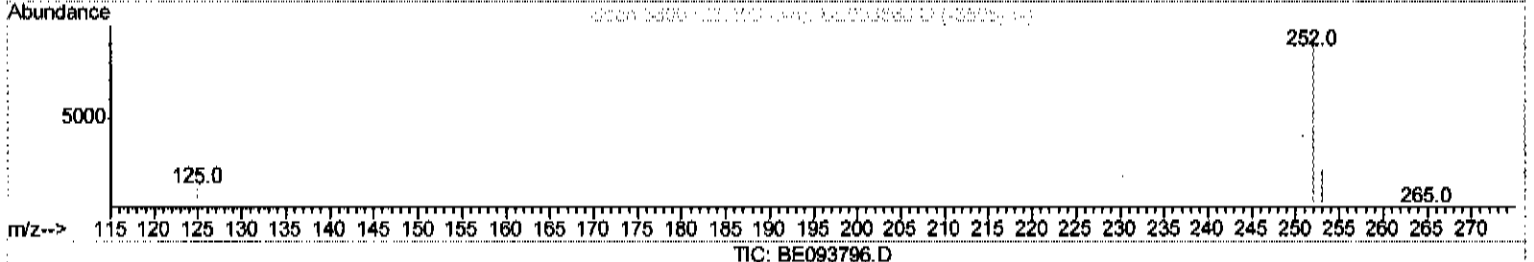
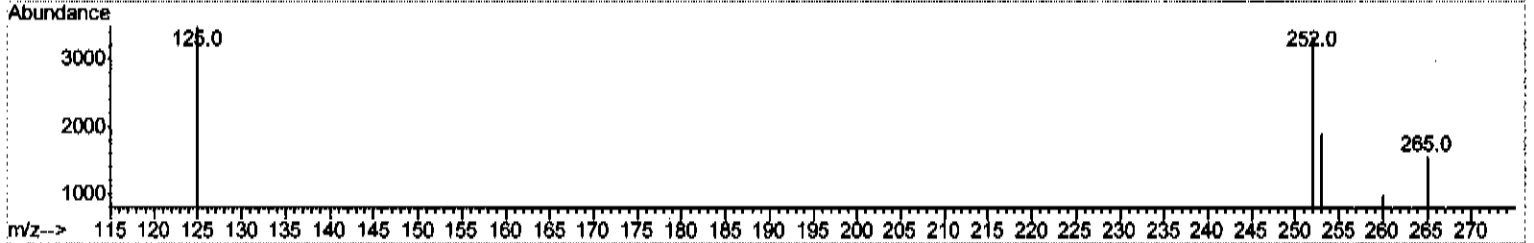
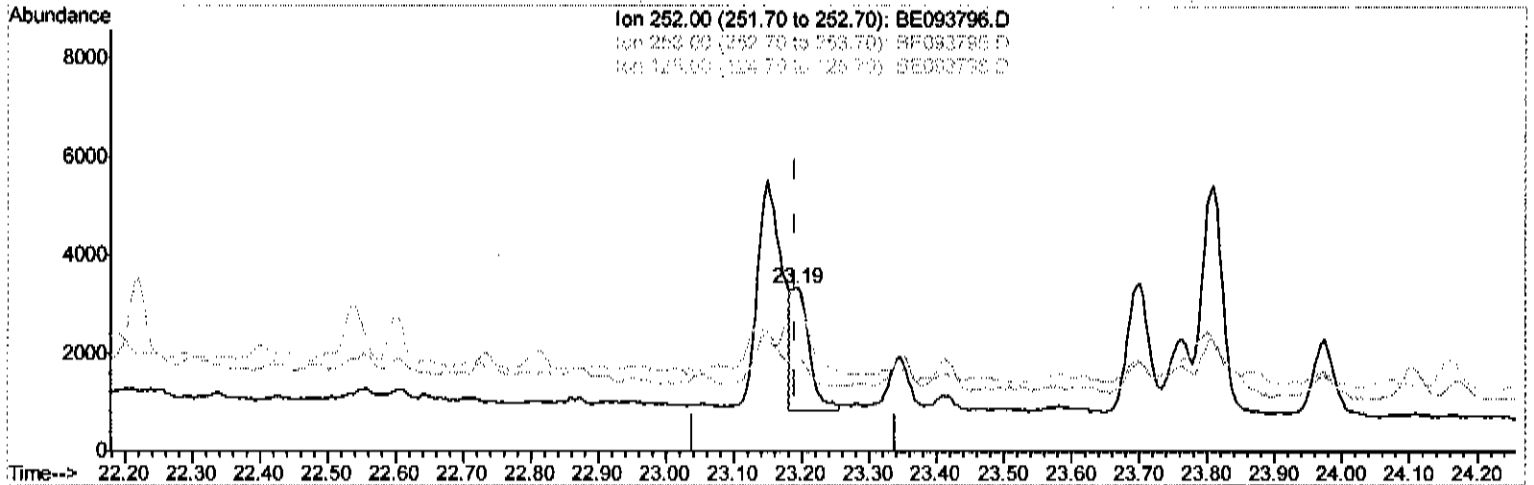
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED  
 Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 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 Aug 15 10:51:12 2017  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.190min (+0.001) 0.09ng/ul m

*SJ/JU*  
 8/18/17

response: 4593

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	56.73#
125.00	17.10	104.12#
0.00	0.00	0.00

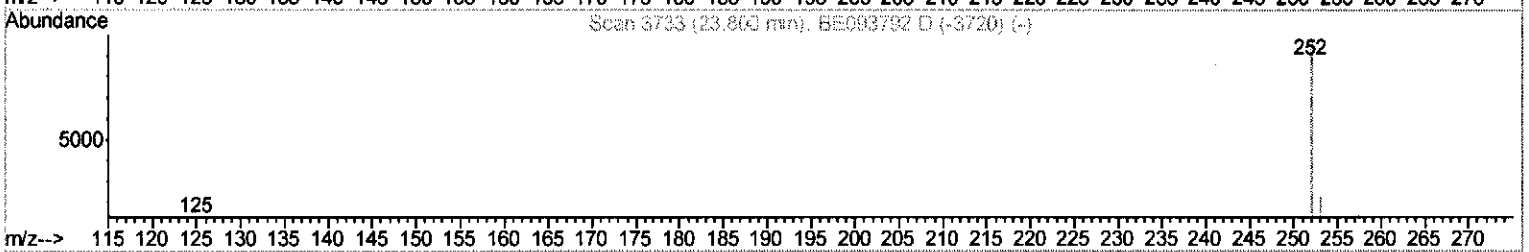
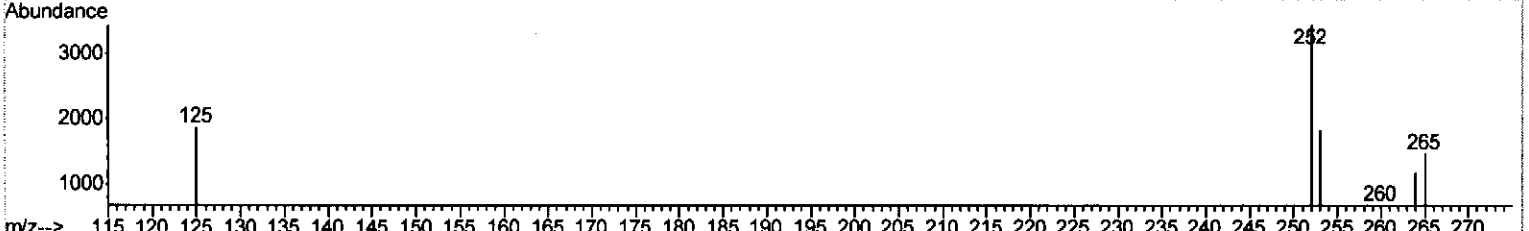
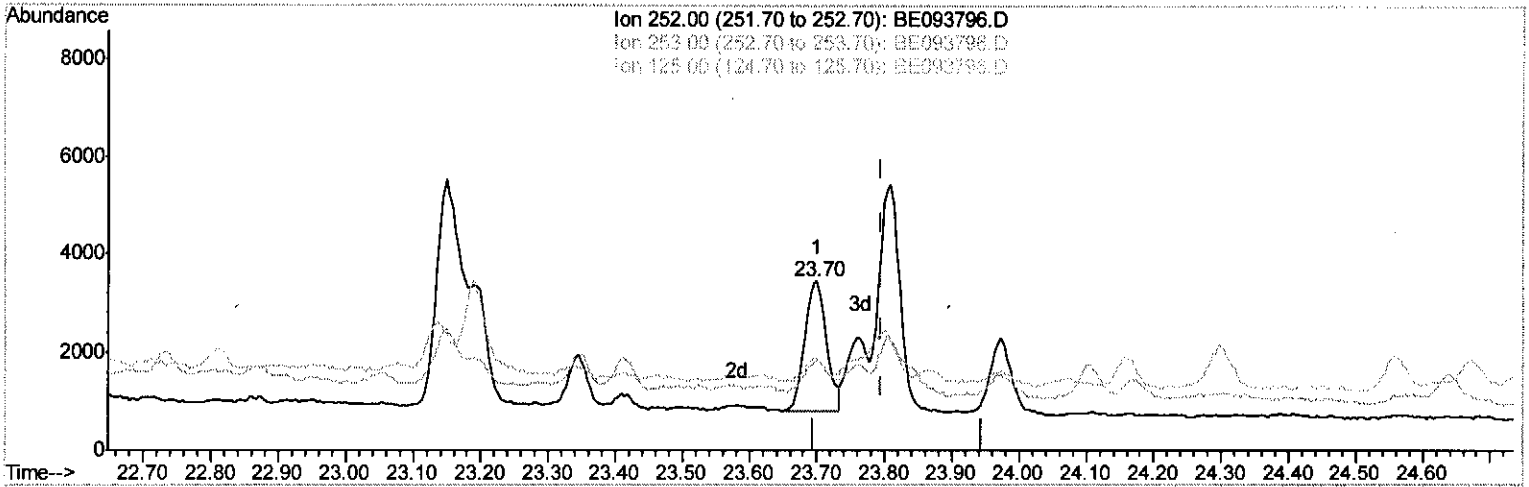
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE081417\  
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 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED  
 Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 11:06:29 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 Aug 15 10:51:12 2017  
 Response via : Initial Calibration



TIC: BE093796.D

(23) Benzo(a)pyrene (C)  
 23.700min (-0.095) 0.11ng/ul  
 response 5982

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	53.40#
125.00	22.60	54.36#
0.00	0.00	0.00

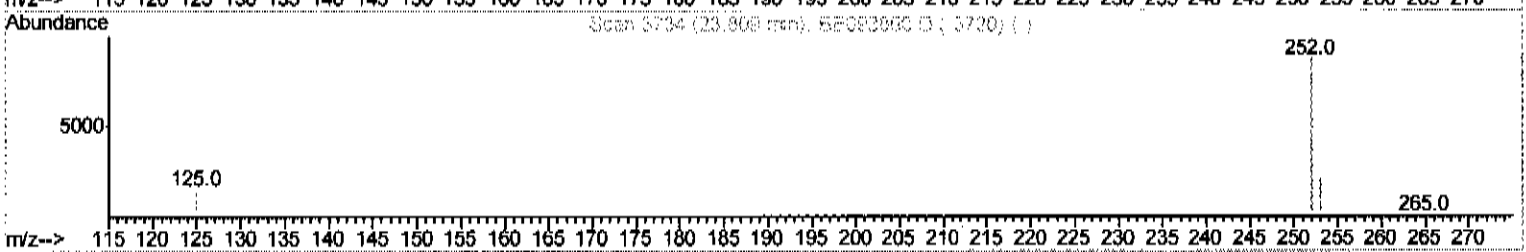
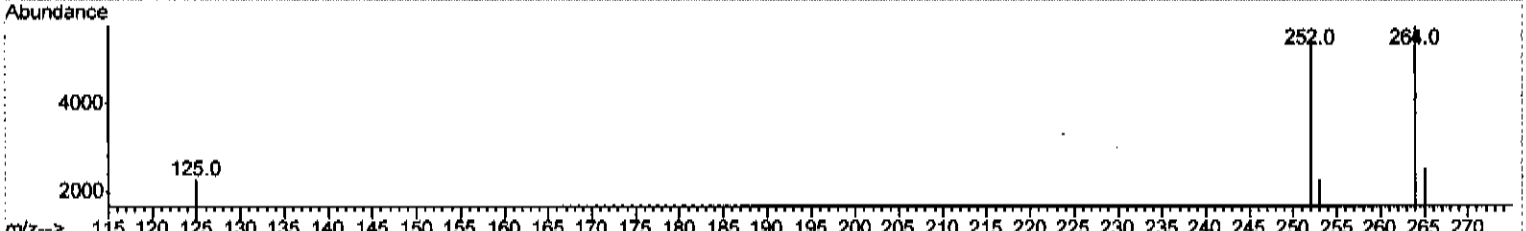
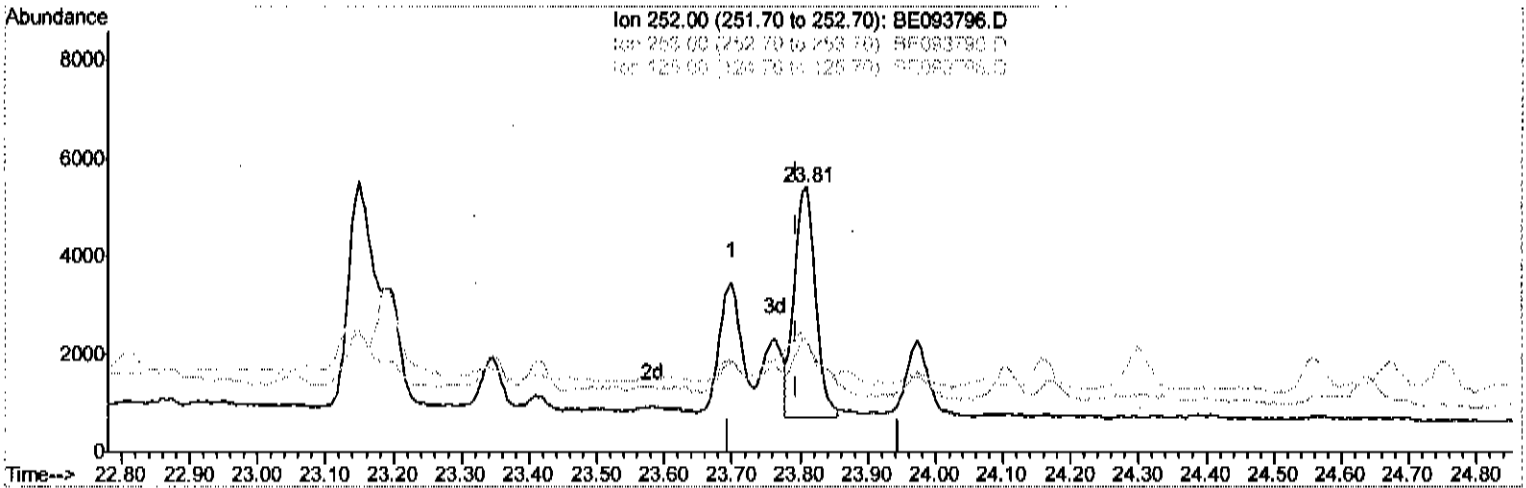
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED  
 Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 2017  
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TIC: BE093796.D

(23) Benzo(a)pyrene (C)

23.809min (+0.014) 0.20ng/ul m

response 10220

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	41.37
125.00	22.60	41.21#
0.00	0.00	0.00

*SJL 8/18/17*

Quantitation Report (Qedit)

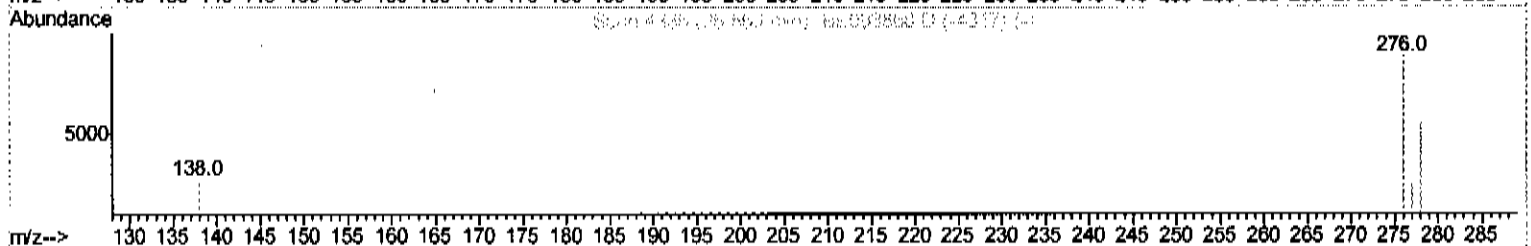
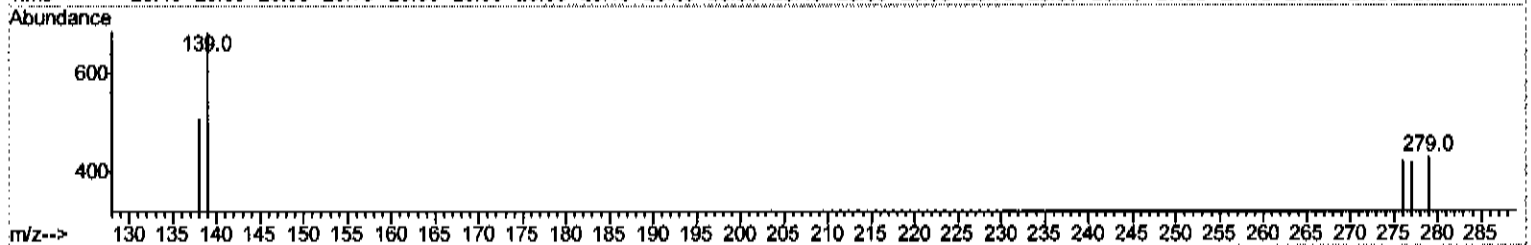
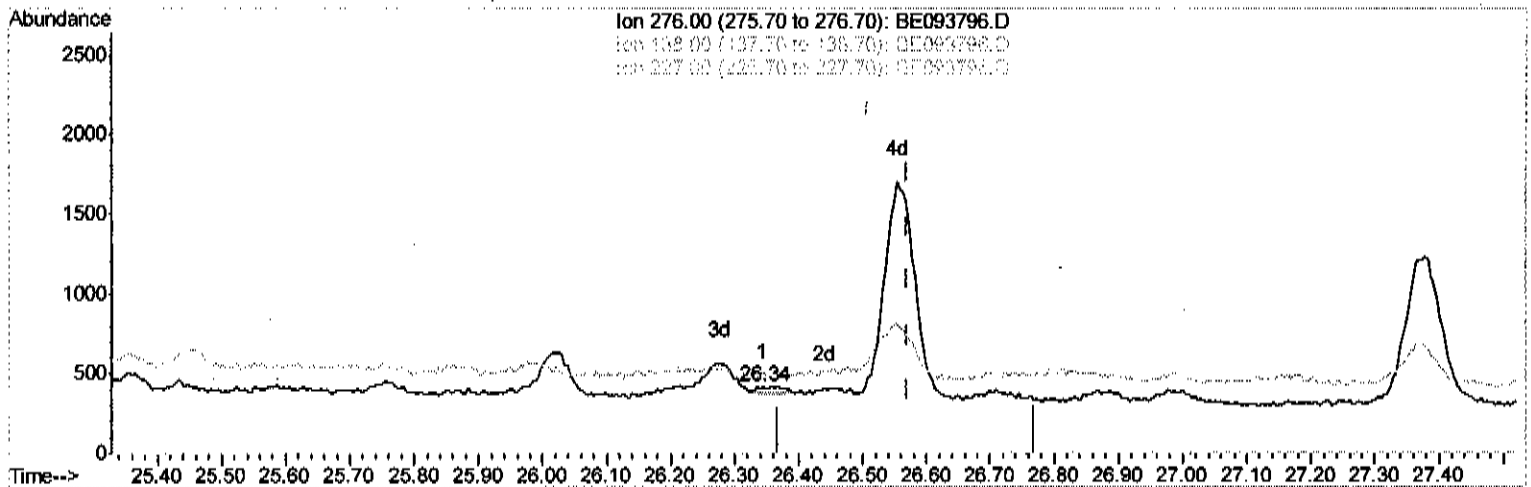
Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED

Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 18 08:22:53 2017  
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 QLast Update : Thu Aug 17 19:06:13 2017  
 Response via : Initial Calibration



TIC: BE093796.D

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

26.344min (-0.225) 0.00ng/ul

response 117

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

Quantitation Report (Qedit)

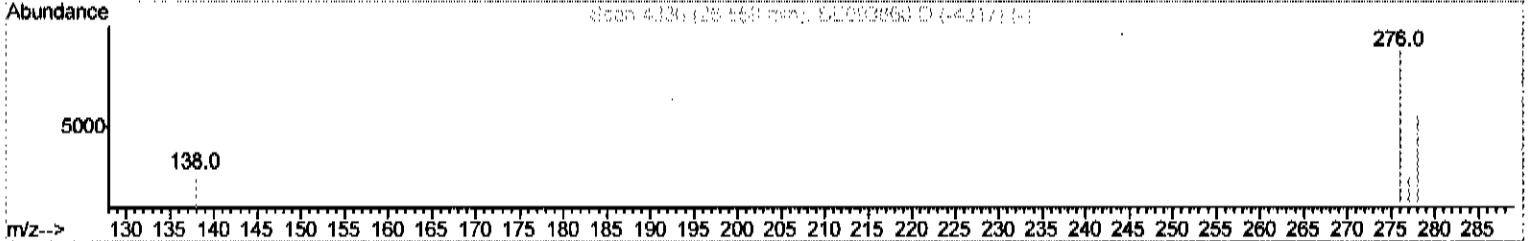
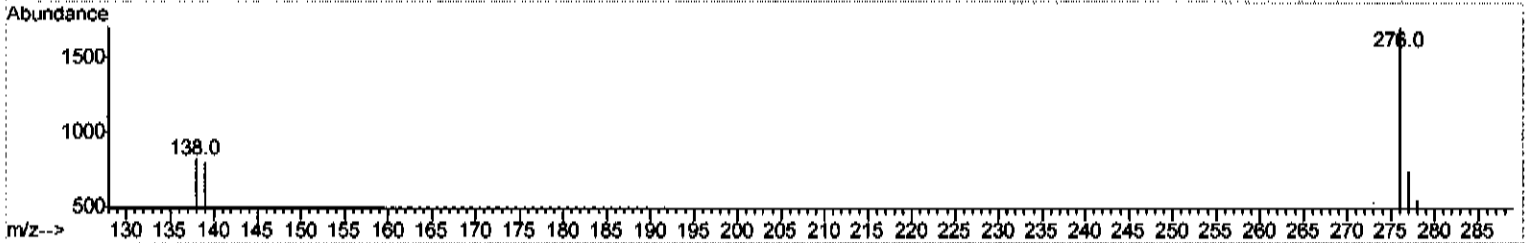
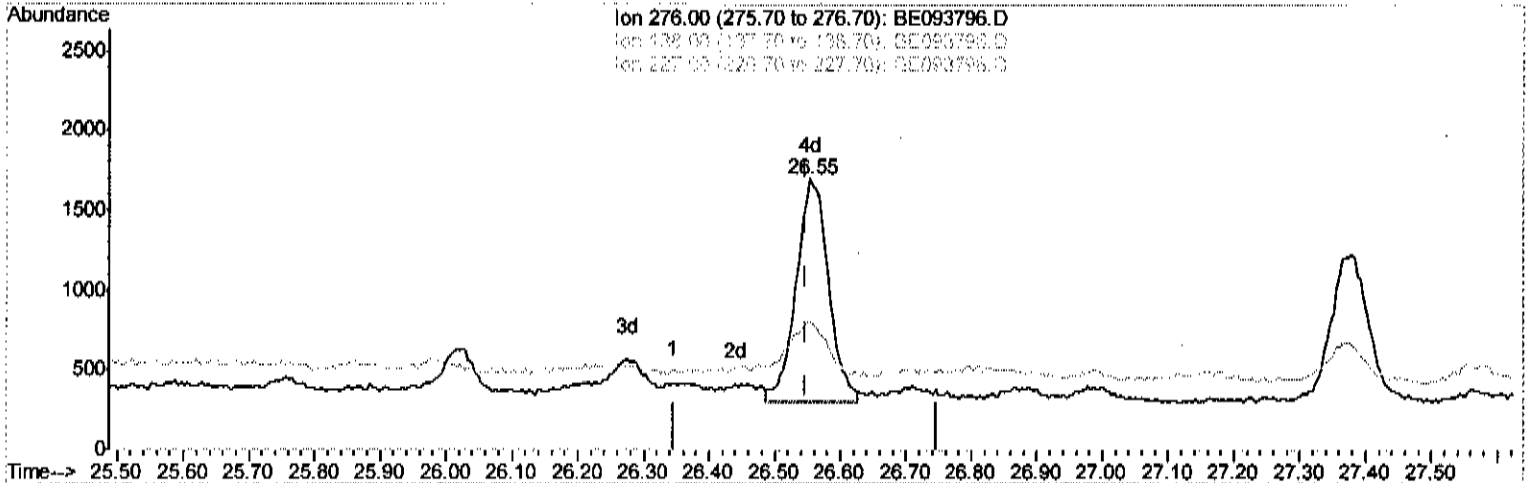
Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
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TIC: BE093796.D

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

26.554min (+0.008) 0.08ng/ul m

response 4808

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

*SJ/JU*  
 8/21/17

Quantitation Report (Qedit)

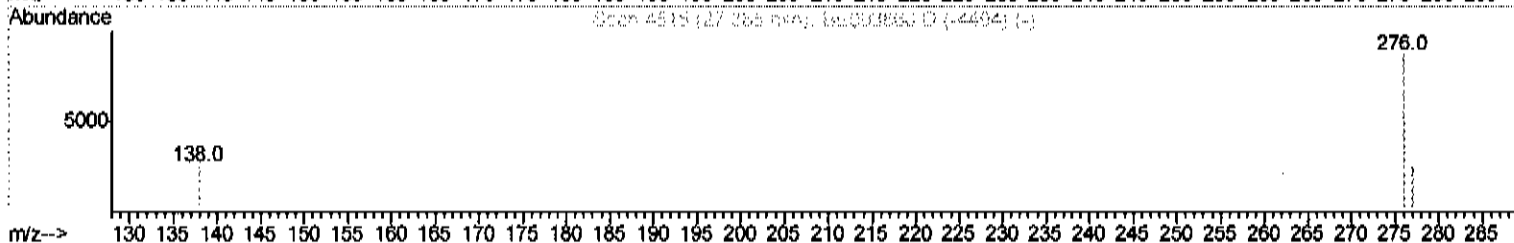
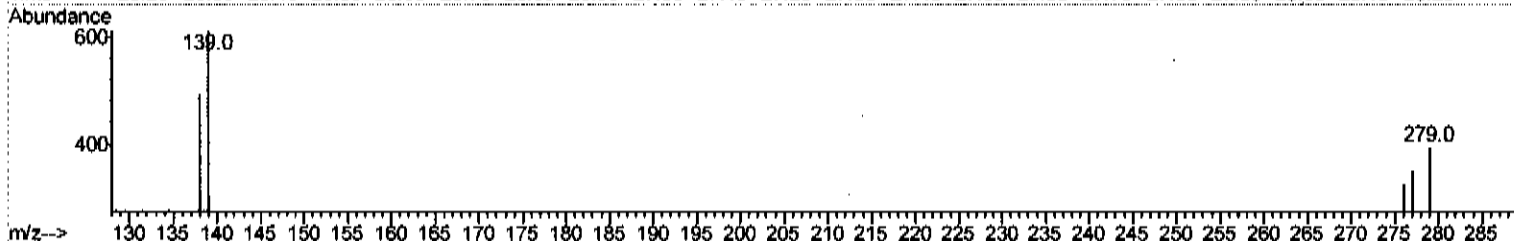
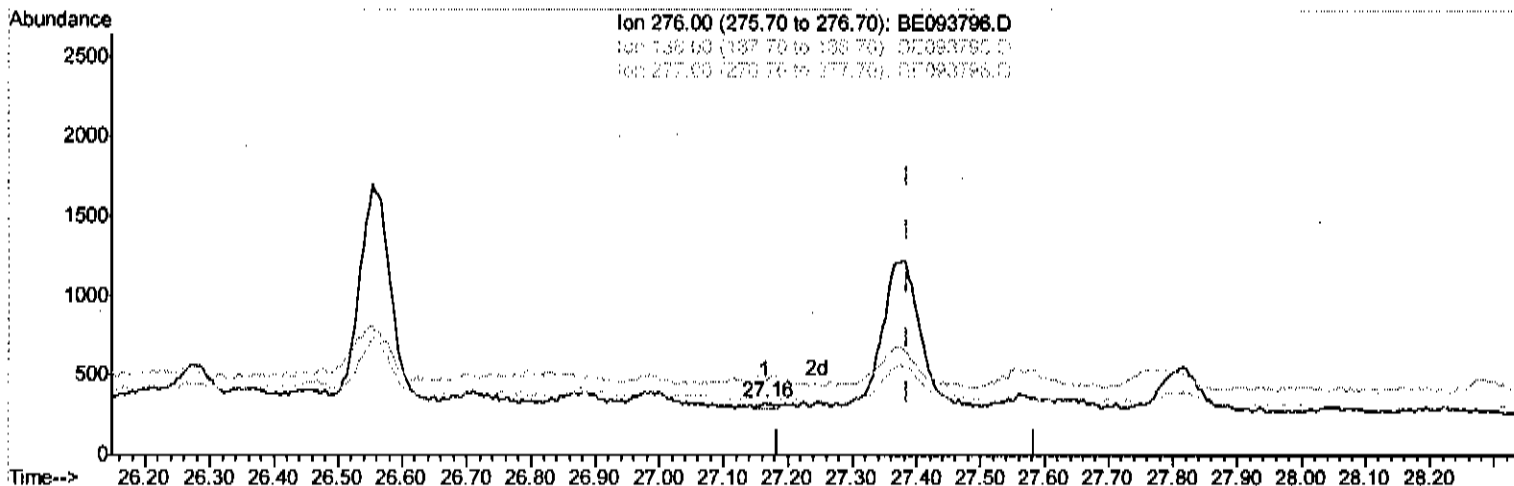
Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED

Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 18 08:22:53 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 17 19:06:13 2017  
 Response via : Initial Calibration



TIC: BE093796.D

(26) Benzo(g,h,i)perylene  
 27.164min (-0.220) 0.00ng/ul  
 response 40

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	152.31#
277.00	25.60	108.00#
0.00	0.00	0.00

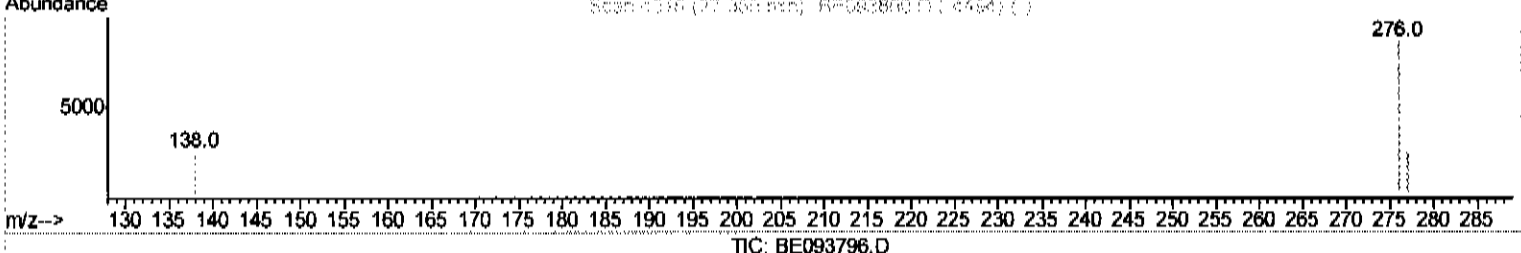
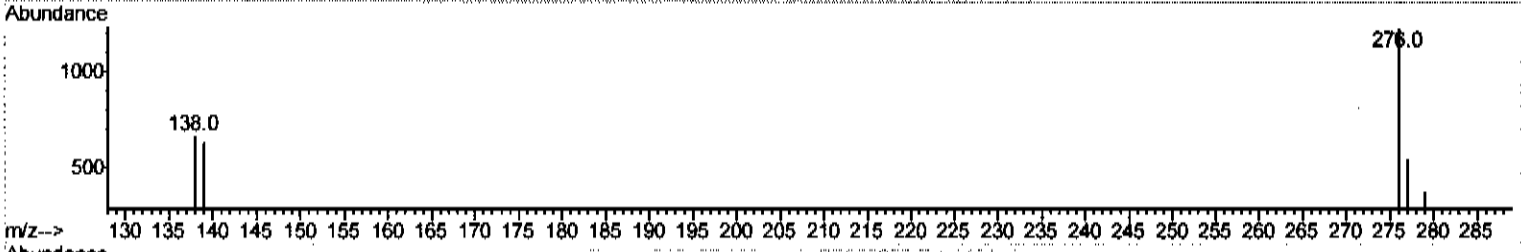
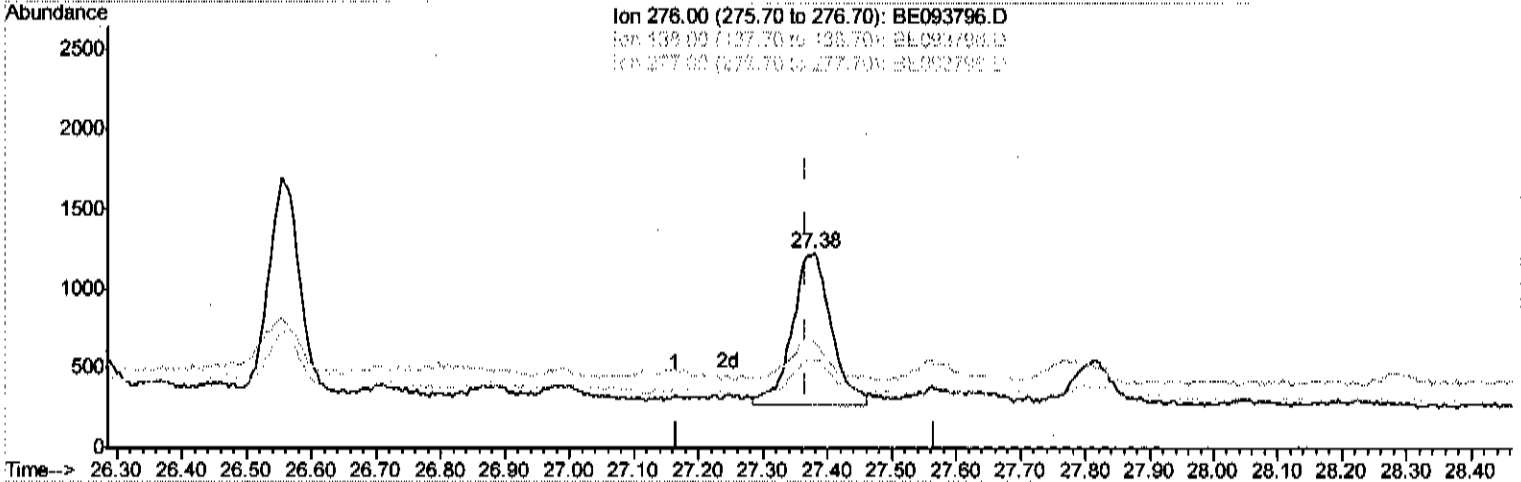
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AC1

Manual Integrations  
 APPROVED  
 Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 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 Aug 15 10:51:12 2017  
 Response via : Initial Calibration



(26) Benzo(g,h,i)perylene  
 27.379min (+0.012) 0.08ng/ul m  
 response 4105  

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	53.81#
277.00	25.60	44.81#
0.00	0.00	0.00

*SJ*  
 8/18/17

Data Path : Z:\HPCHEM1\BNA E\Data\BE081417\  
 Data File : BE093796.D  
 Acq On : 14 Aug 2017 20:42  
 Operator : SJ/JU  
 Sample : I4529-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

**Instrument :**  
 BNA\_E  
**Client Sampled :**  
 C0AC1

**Manual Integrations**  
**APPROVED**

Sohil  
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 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 Aug 15 10:51:12 2017  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2981	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	15562	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	9927m	0.40	ng/ul	>0.00
10) Phenanthrene-d10	17.26	188	21455	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	21135	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	17697m	0.40	ng/ul	>0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	8197	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	19221	0.28	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	144688	3.822	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	148551	5.380	ng/ul	99
7) Acenaphthylene	14.24	152	14412	0.347	ng/ul#	73
8) Acenaphthene	14.59	153	15454	0.473	ng/ul#	86
9) Fluorene	15.57	166	67918	1.645	ng/ul	89
12) Phenanthrene	17.29	178	84436	1.445	ng/ul#	89
13) Anthracene	17.38	178	26051	0.458	ng/ul#	72
15) Fluoranthene	19.30	202	46548	0.637	ng/ul	83
17) Pyrene	19.67	202	54237	0.879	ng/ul#	85
18) Benzo(a)anthracene	21.40	228	17173	0.280	ng/ul#	68
19) Chrysene	21.45	228	16058	0.273	ng/ul#	65
21) Benzo(b)fluoranthene	23.15	252	11784m	0.215	ng/ul	}
22) Benzo(k)fluoranthene	23.19	252	4593m	0.085	ng/ul	
23) Benzo(a)pyrene	23.81	252	10220m	0.196	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	4808m	0.084	ng/ul	
26) Benzo(a,h,i)perylene	27.38	276	4105m	0.085	ng/ul	

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