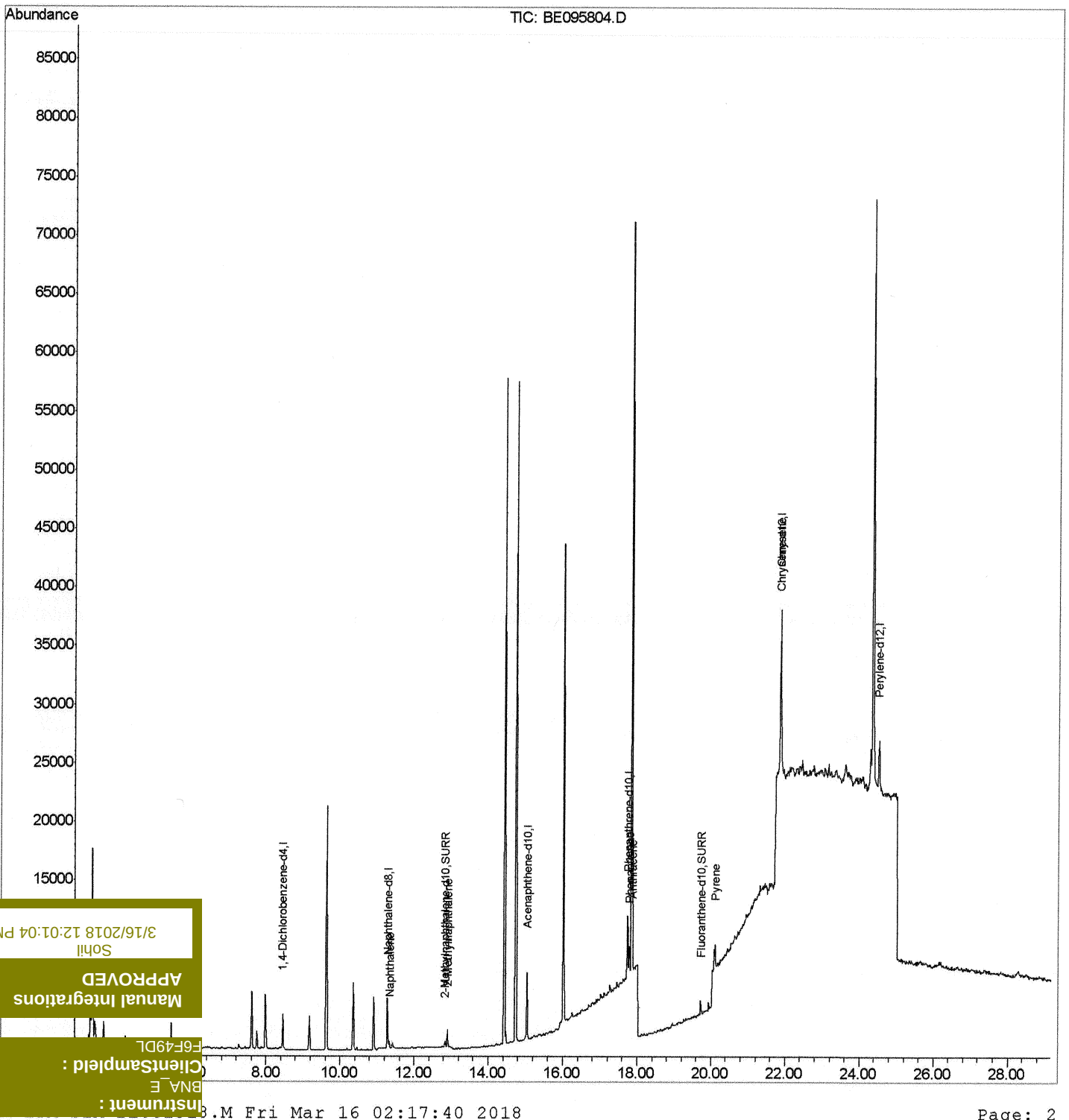


Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
Data File : BE095804.D
Acq On : 15 Mar 2018 15:25
Operator : SJ/JU
Sample : J1835-17DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

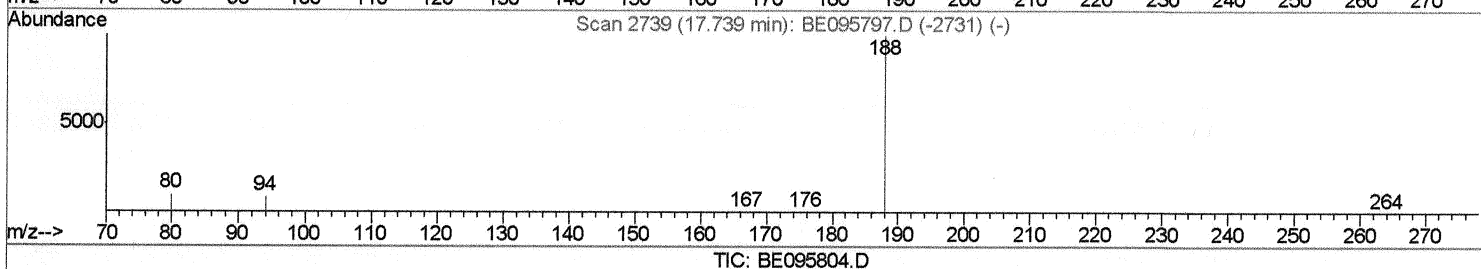
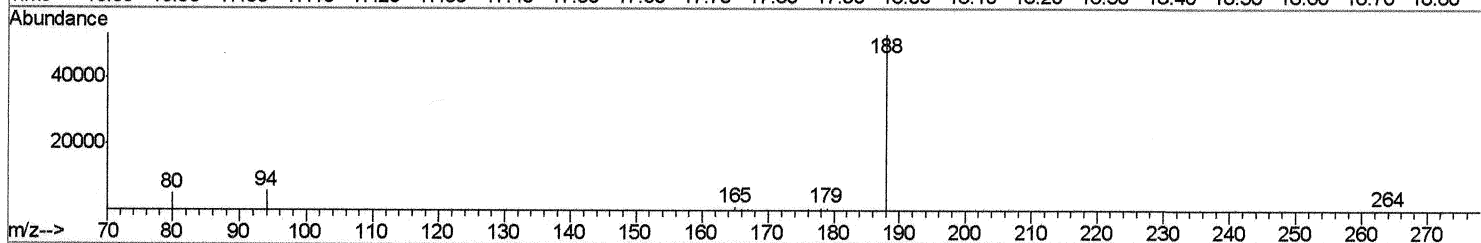
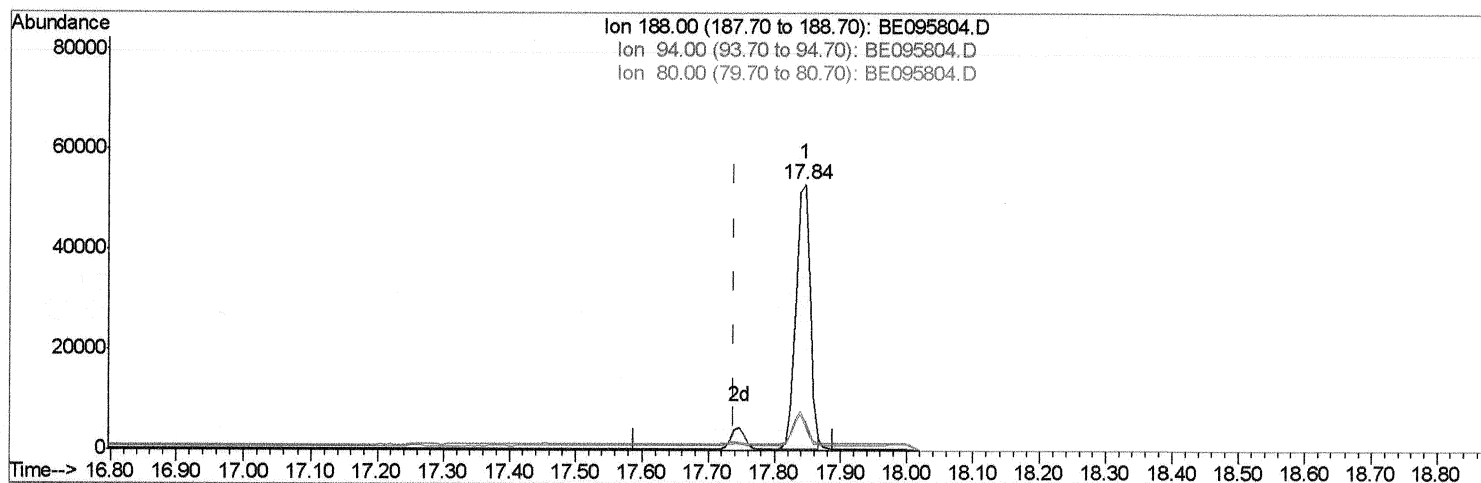
Quant Time: Mar 16 02:17:17 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 16 01:12:14 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 01:13:58 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.845min (+0.106) 0.40ng/ul

response 78461

Ion	Exp%	Act%
188.00	100	100

3/16/2018 12:01:04 PM

Sohil

APPROVED

Manual Integrations

Client Sampled : F6F49DL

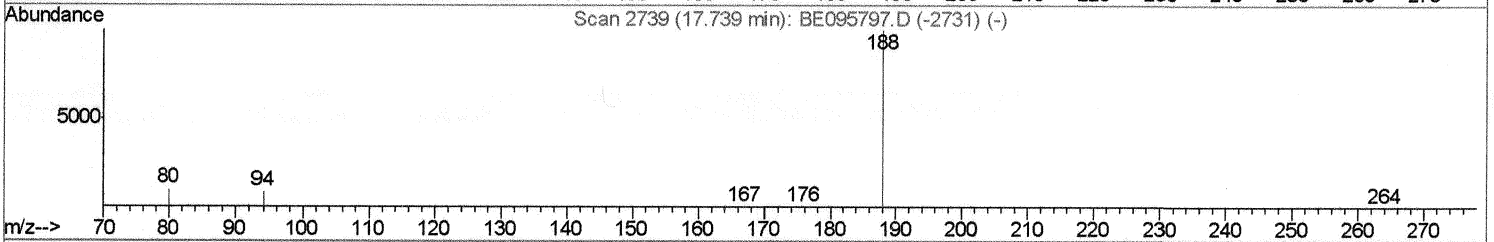
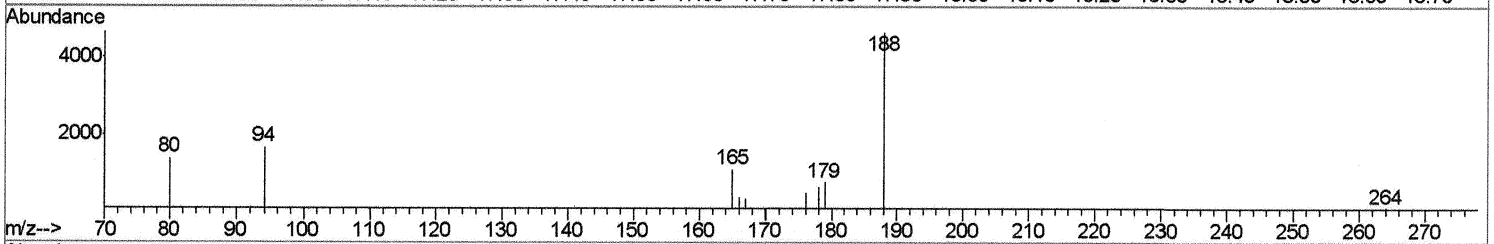
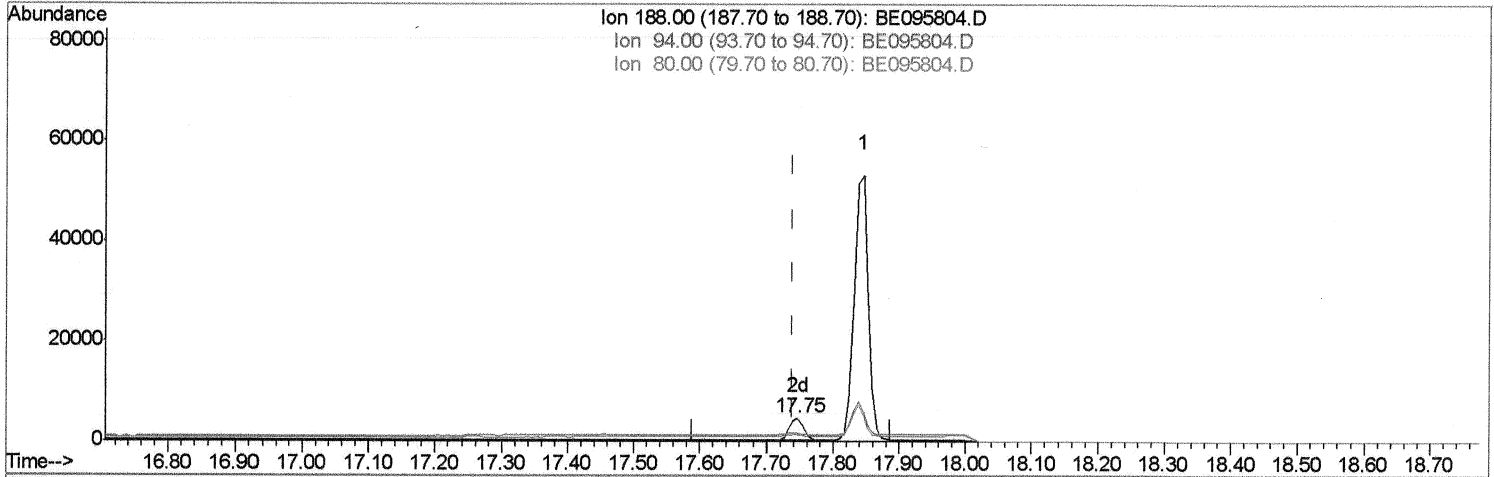
BNA_E

Instrument : 8.M Fri Mar 16 02:11:08 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 01:13:58 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(10) Phenanthrene-d10 (I)

17.746min (+0.007) 0.40ng/ul m > 50 3/16/18

response 6424

Ion Exp% Act%

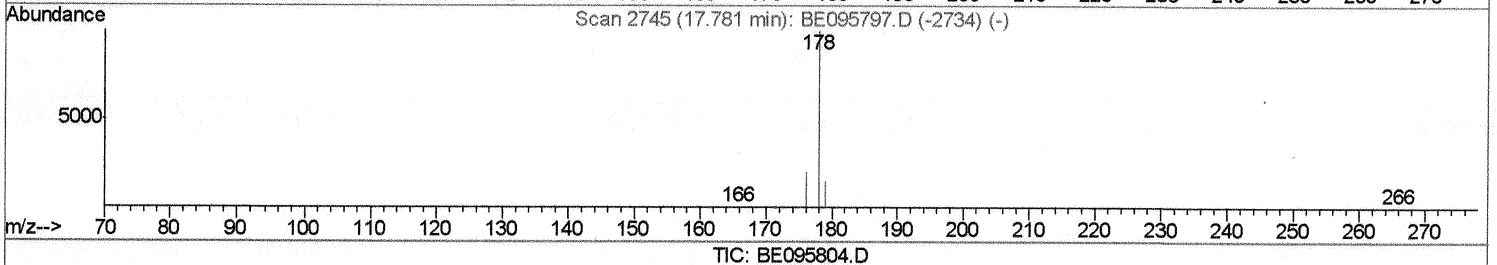
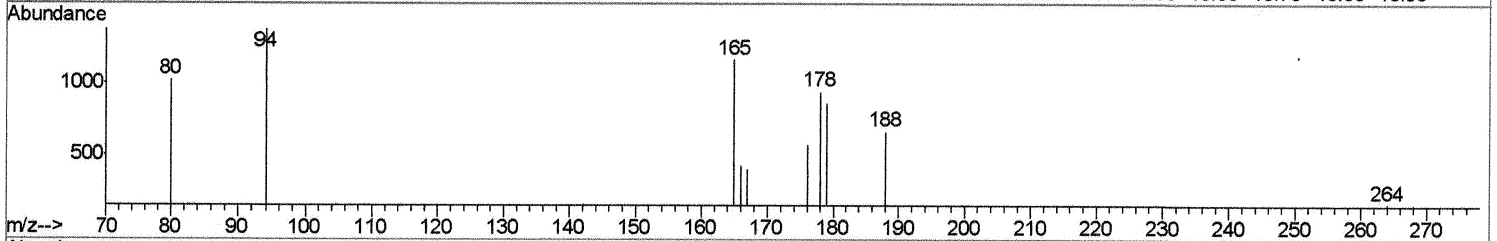
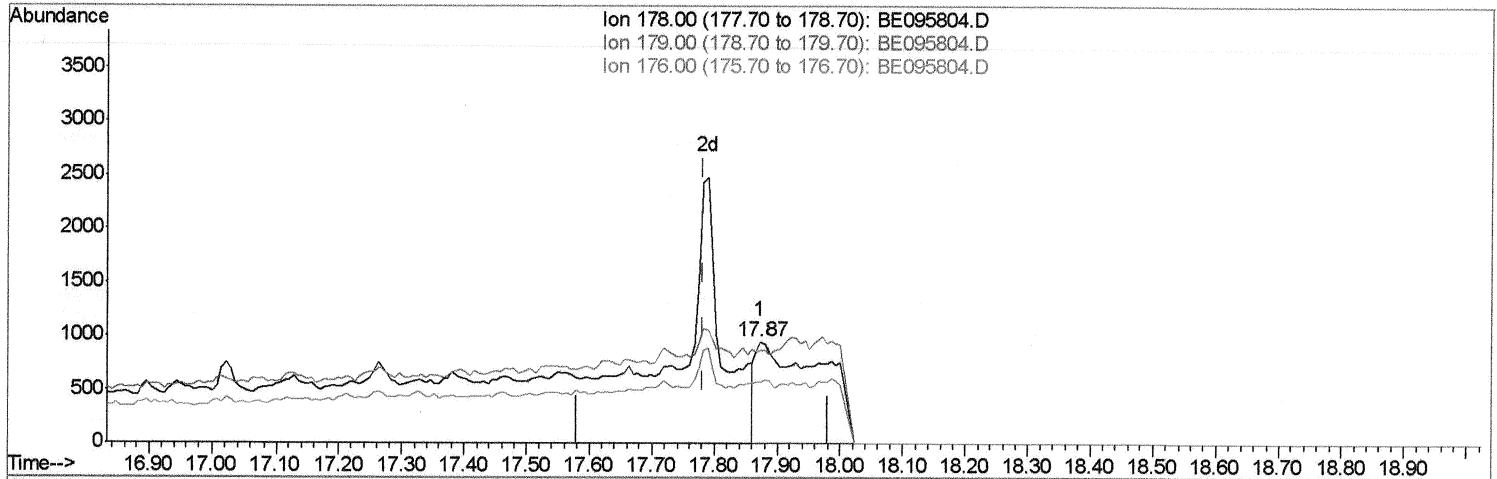
00
 3/16/2018 12:01:04 PM
 Sohll
 APPROVED
 Manual Integrations
 00.00

Instrument :
 BNA_E
 ClientSample :
 F6F49DL

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:11:15 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



(12) Phenanthrene

17.873min (+0.092) 0.36ng/ul

response 6970

Ion Exp% Act%

178.00 100 100

3/16/2018 12:01:04 PM

Sohil

APPROVED

Manual Integrations

F6F49DL

ClientSampled :

BNA_E

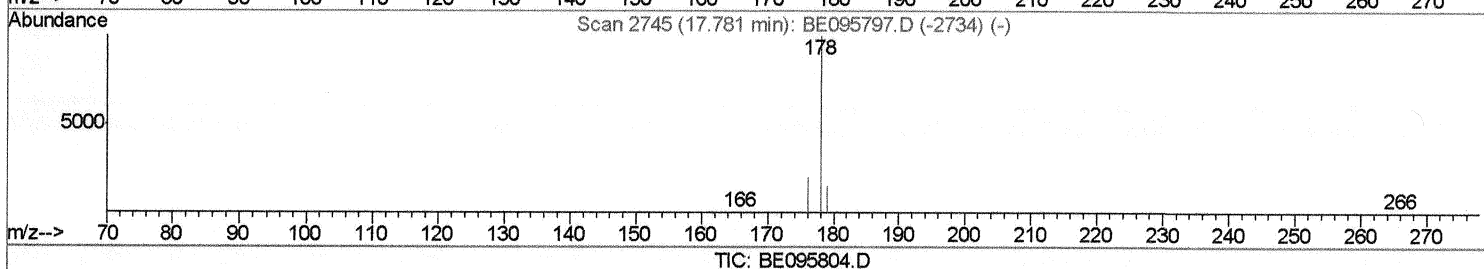
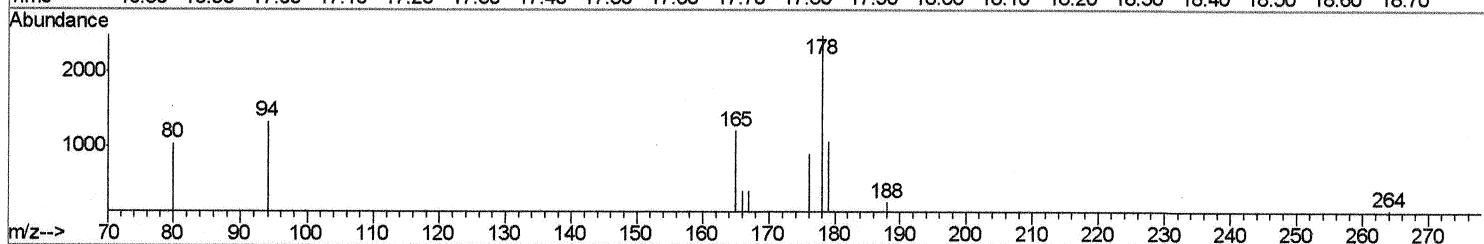
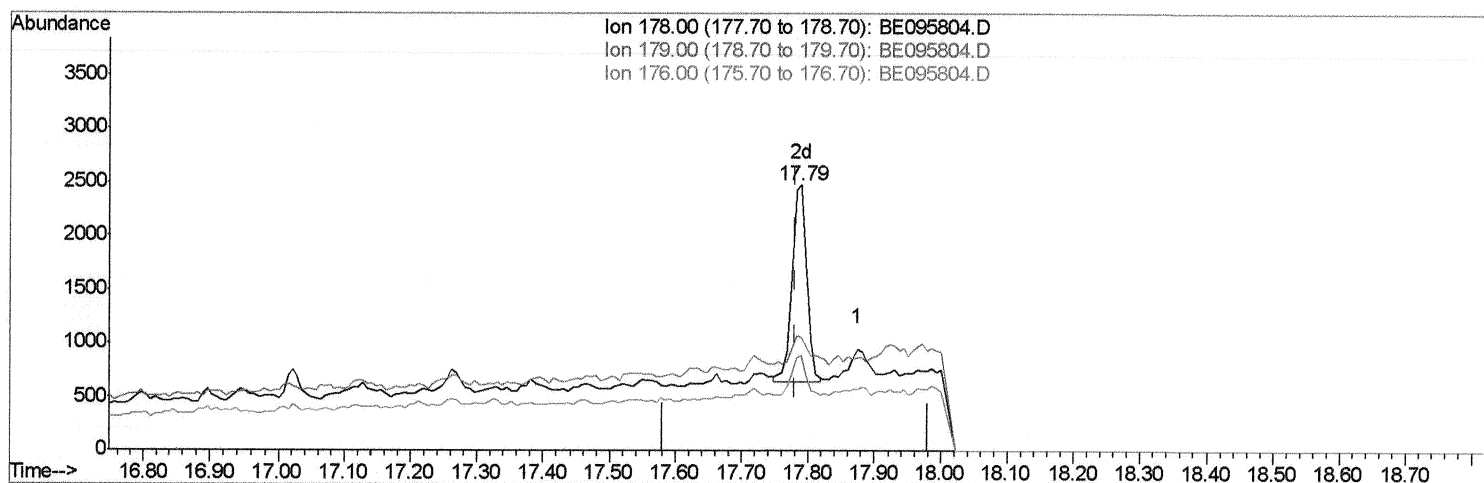
Instrument :

8.M Fri Mar 16 02:11:47 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:11:15 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



(12) Phenanthrene

17.789min (+0.007) 0.14ng/ul m > SJ 3/16/18

response 2747

Ion	Exp%	Act%
178.00	100	100

3/16/2018 12:01:04 PM 42.69#

Sohil

APPROVED

Manual Integrations 36.03#

F6F49DL

Client Sampled :

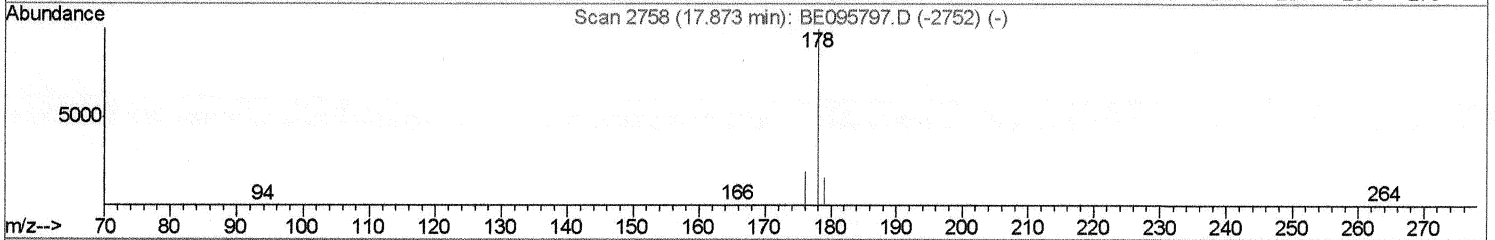
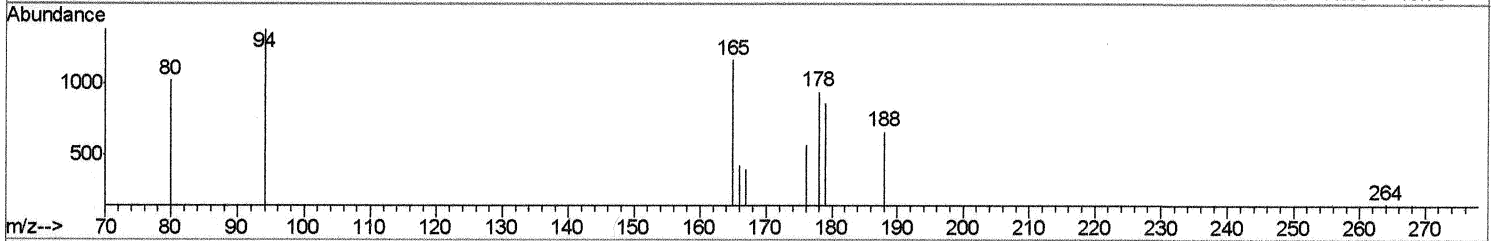
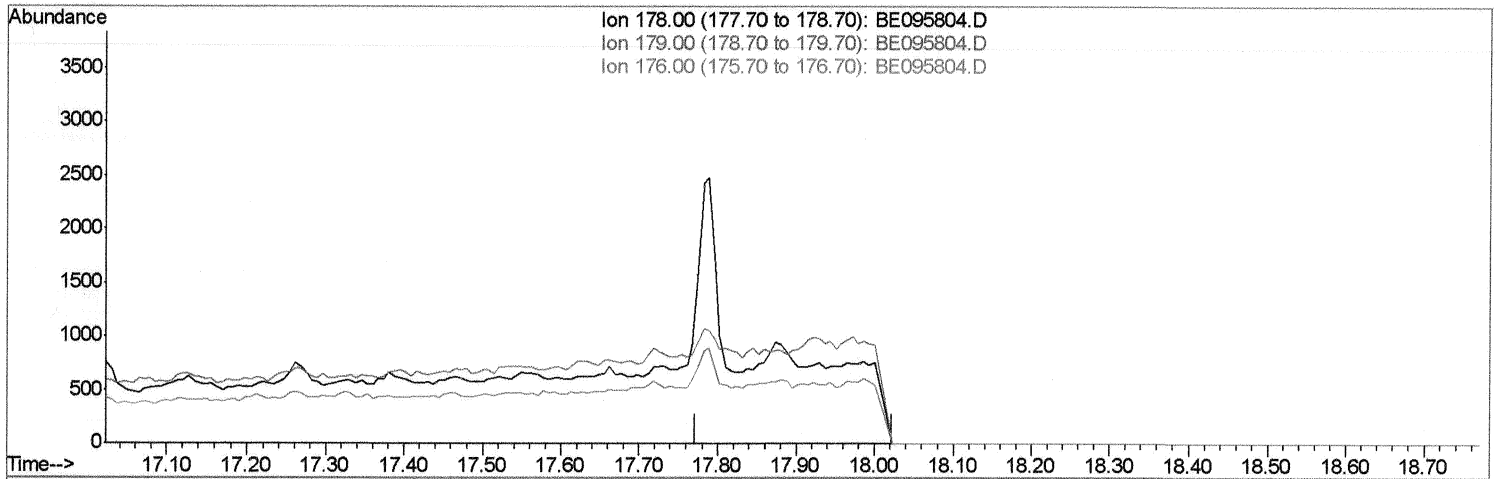
BNA_E

Instrument : 8.M Fri Mar 16 02:12:11 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:12:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(13) Anthracene

17.873min (-17.873) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00

3/16/2018 12:01:04 PM

Sohil

APPROVED

Manual Integrations

F6F49DL

ClientSampled :

BNA_E

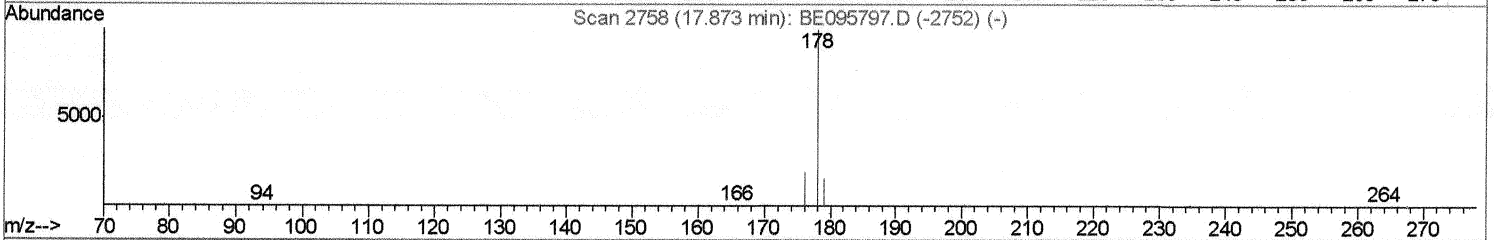
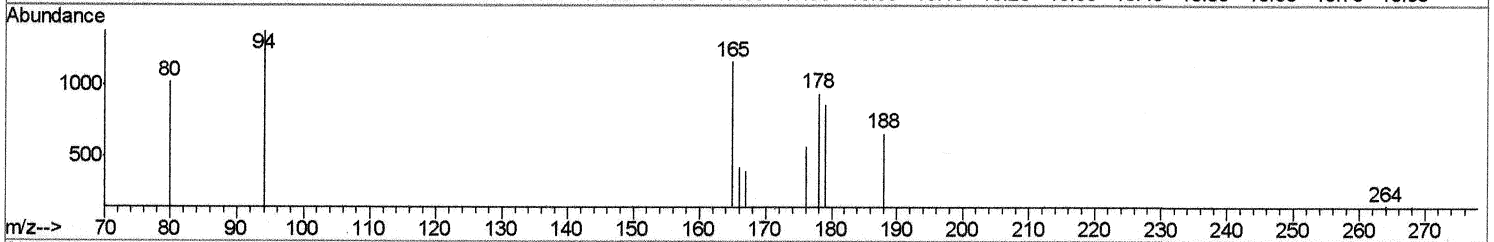
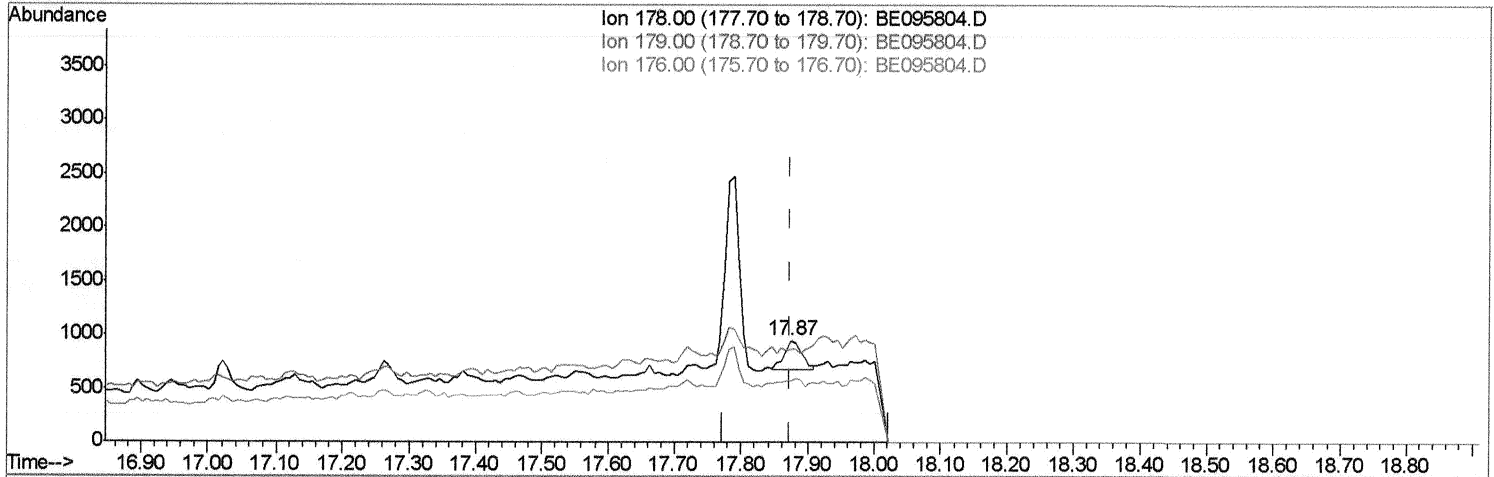
Instrument :

8.M Fri Mar 16 02:13:11 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:12:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(13) Anthracene

17.873min (+0.000) 0.03ng/ul m> SJ 3/16/18

response 483

Ion	Exp%	Act%
178	100	91.45#
176	100	60.08#
179	100	00

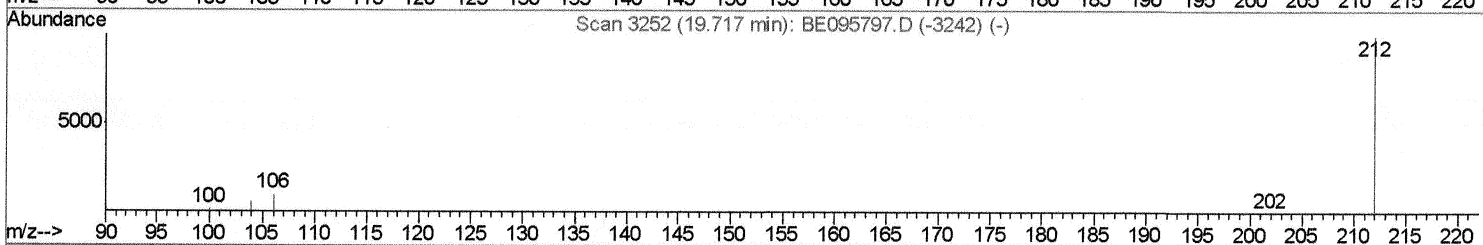
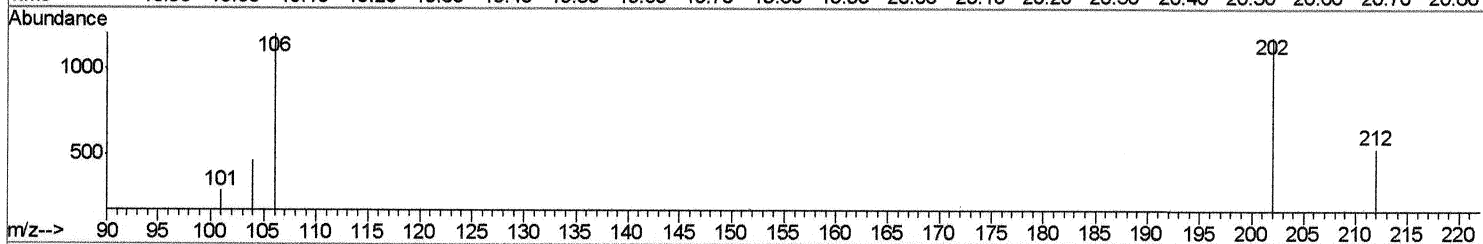
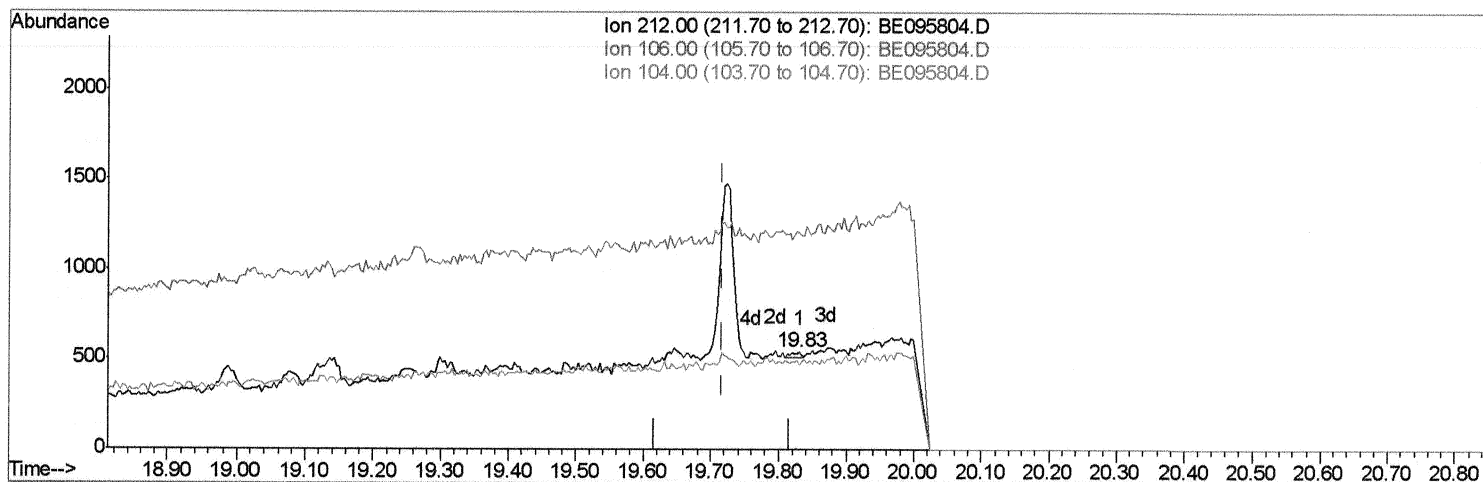
3/16/2018 12:01:04 PM
 Sohll
 APPROVED
 Manual Integrations

Instrument :
 BNA_E
 ClientSample :
 F6F49DL

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:12:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(14) Fluoranthene-d10 (SURR)

19.830min (+0.114) 0.00ng/ul

response 32

Ion	Exp%	Act%
212	100	96.88#
106	100	46.88#

3/16/2018 12:01:04 PM

Sohil

APPROVED

Manual Integrations

F6F49DL

ClientSampled :

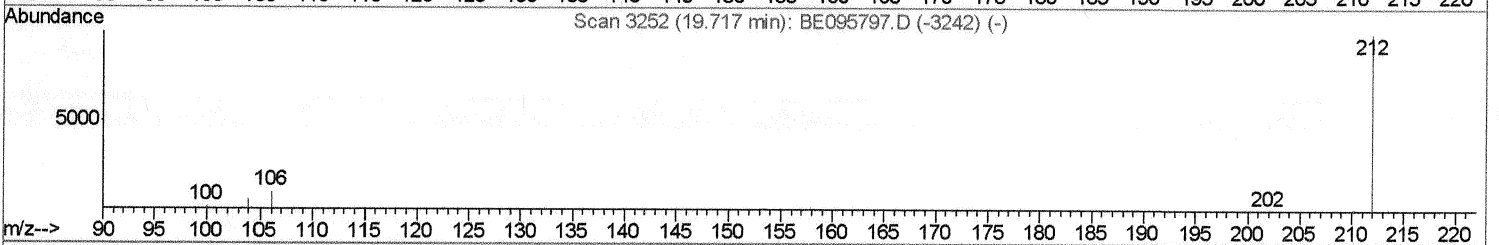
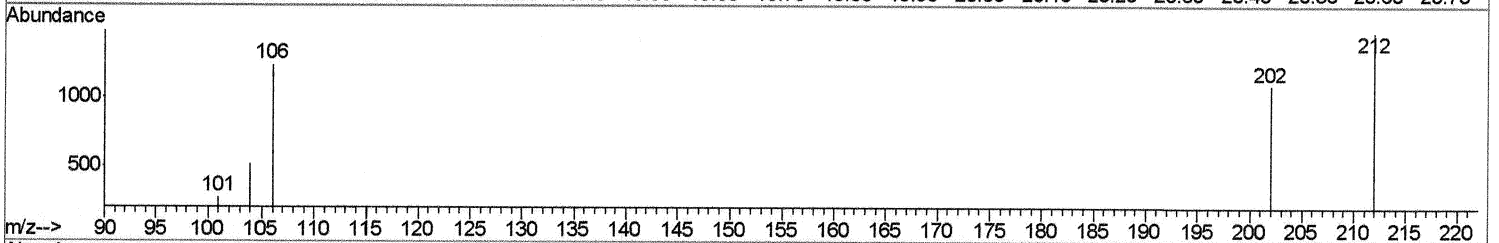
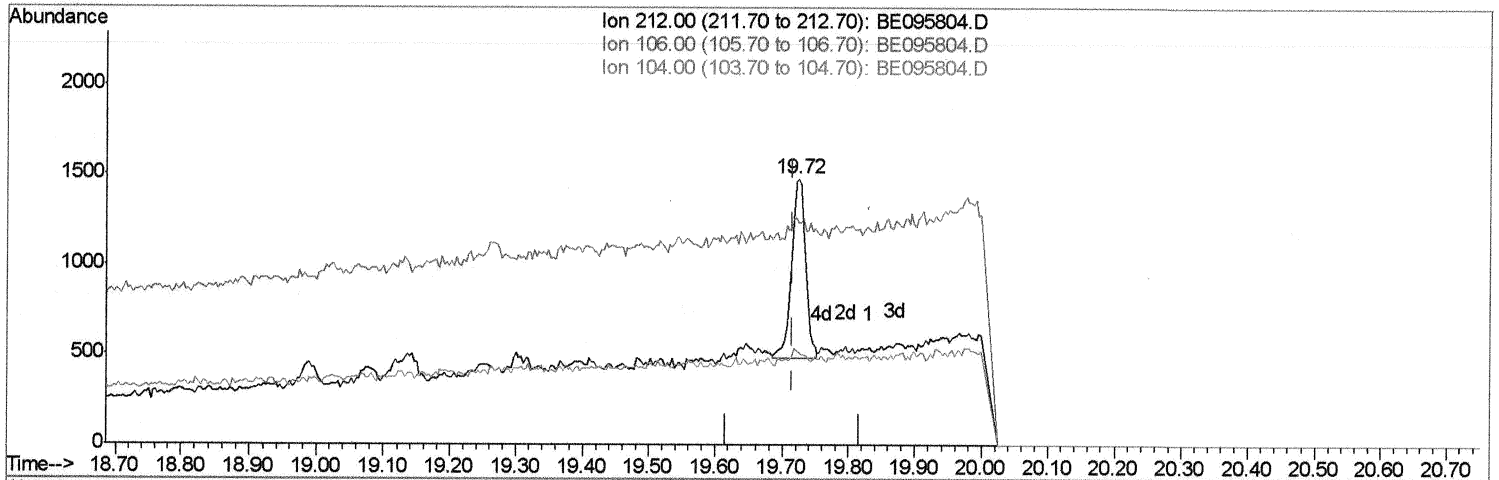
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:12:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(14) Fluoranthene-d10 (SURR)

19.723min (+0.007) 0.07ng/ul m > SJ 3/16/18

response 1451

Ion	Exp%	Act%
212.00	100	100
106.00	2.14	2.14
104.00	1.03	1.03

010.00 100

3/16/2018 12:01:04 PM

Sohil

APPROVED

Manual Integrations

F6F49DL

ClientSampled :

BNA_E

Instrument :

13.M Fri Mar 16 02:13:34 2018

```
Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\  
Data File : BE095804.D  
Acq On : 15 Mar 2018 15:25  
Operator : SJ/JU  
Sample : J1835-17DL 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1
```

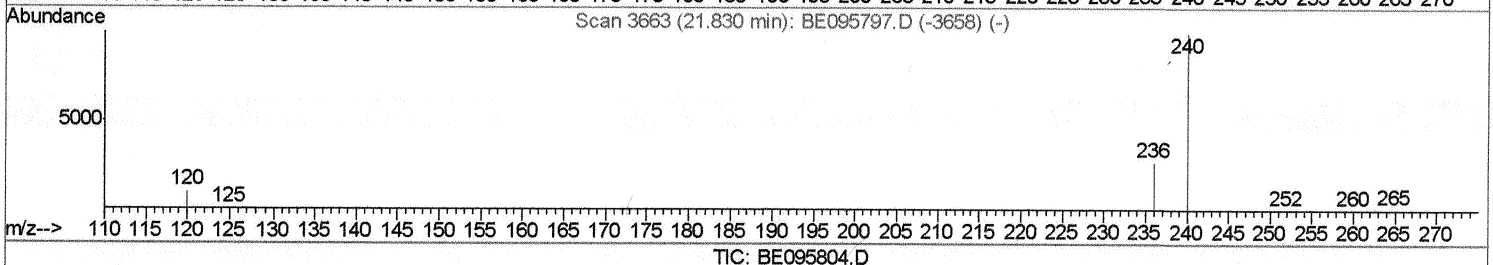
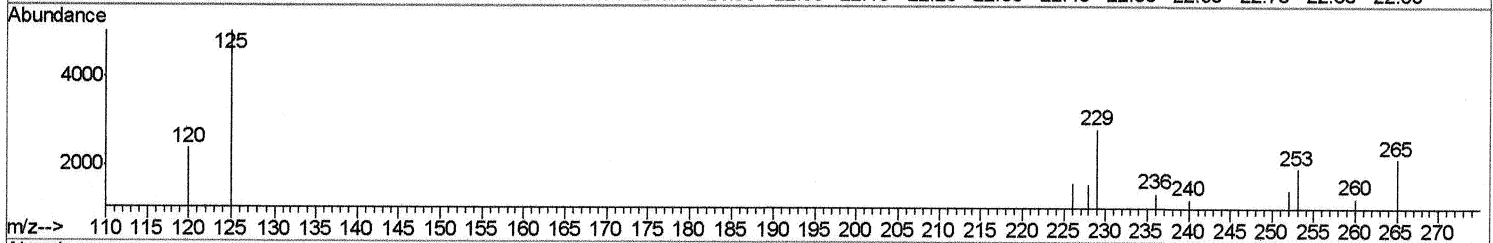
Abundance

Ion 240.00 (239.70 to 240.70): BE095804.D
Ion 120.00 (119.70 to 120.70): BE095804.D
Ion 236.00 (235.70 to 236.70): BE095804.D

8000
6000
4000
2000
0

Time--> 21.00 21.10 21.20 21.30 21.40 21.50 21.60 21.70 21.80 21.90 22.00 22.10 22.20 22.30 22.40 22.50 22.60 22.70 22.80 22.90

2d 1
21.99



(16) Chrysene-d12 (I)
21.991min (+0.161) 0.40ng/ul
response 134

lon	Exp%	Act%
240.00	100	100

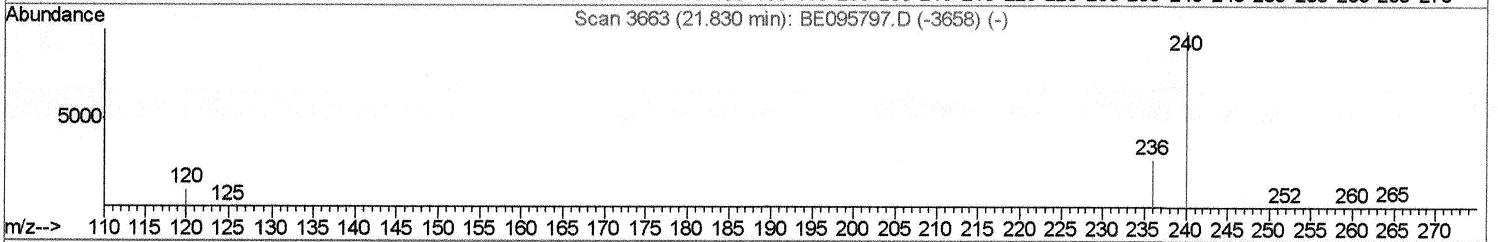
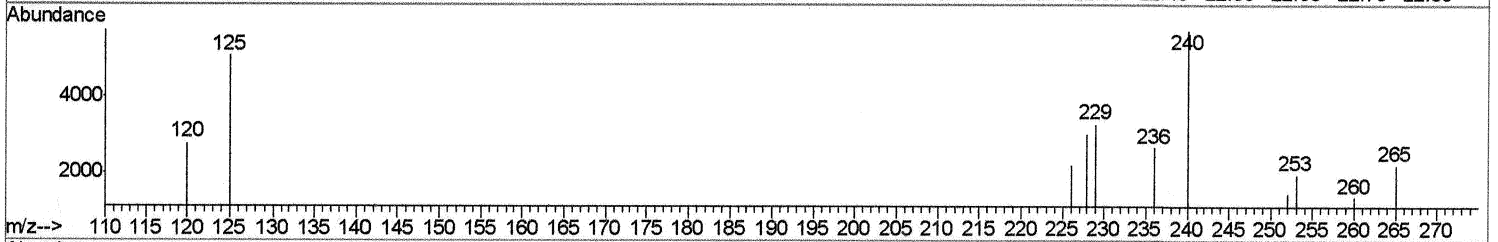
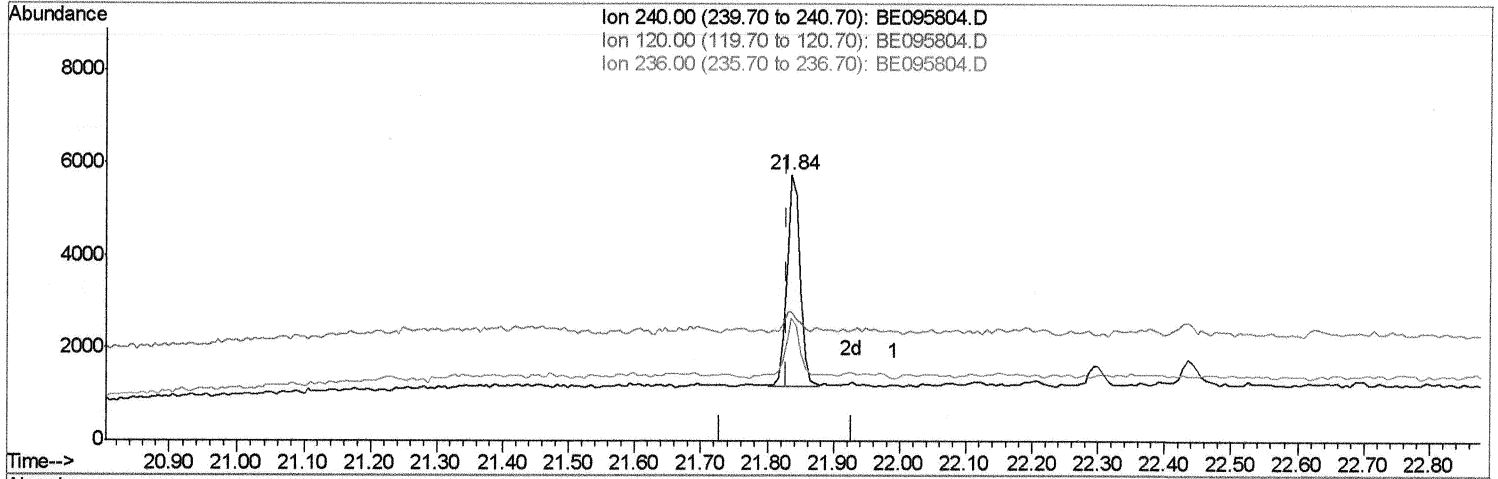
00	Manual Integrations	11.34#	92.90#
	APPROVED		
	Sohil		
	3/16/2018 12:01:04 PM		

Instrument : BNA_E
ClientSampleId : F6F49DL

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:12:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(16) Chrysene-d12 (I)

21.836min (+0.006) 0.40ng/ul m > 5 3/16/18

response 6613

Ion Exp% Act%

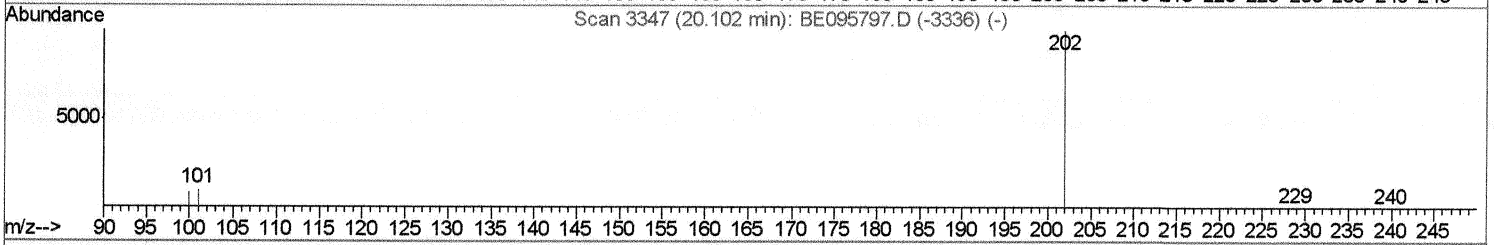
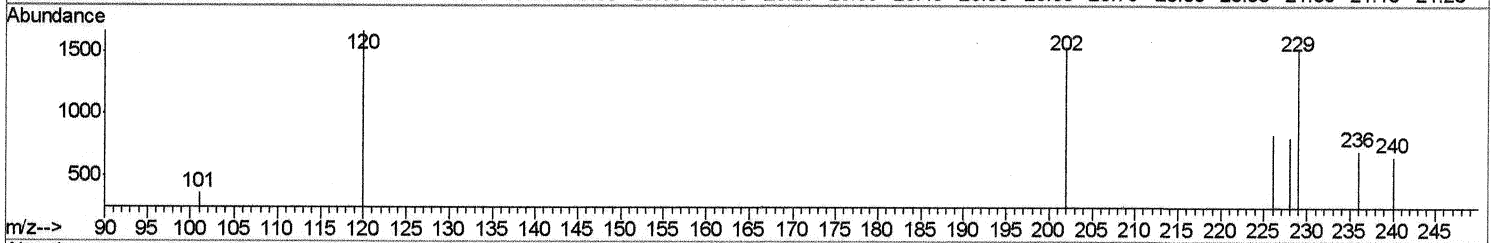
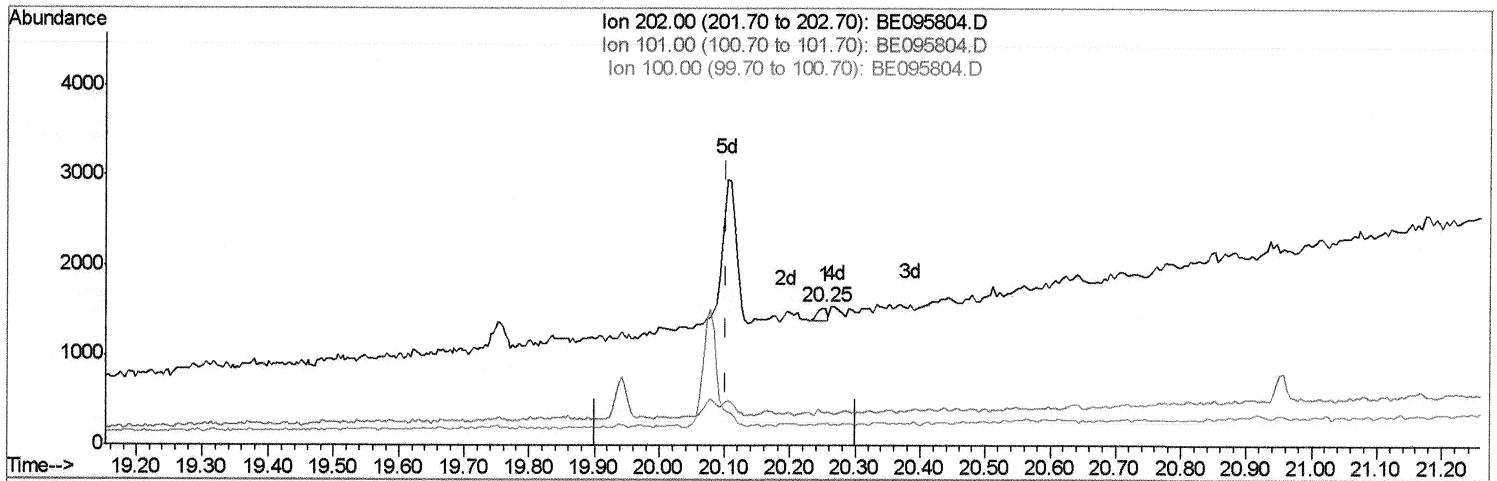
00
 48.44#
 46.35#
 00

Manual Integrations
 APPROVED
 3/16/2018 12:01:04 PM
 SOH
 F6F49DL
 Client Sampled :
 BNA_E
 Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:13:53 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Qlast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(17) Pyrene

20.252min (+0.150) 0.01ng/ul

response 151

Ion Exp% Act%

202.00 100 100

223.40

15.84

100

Manual Integrations

APPROVED

3/16/2018 12:01:04 PM

ClientSampled :

BNA E

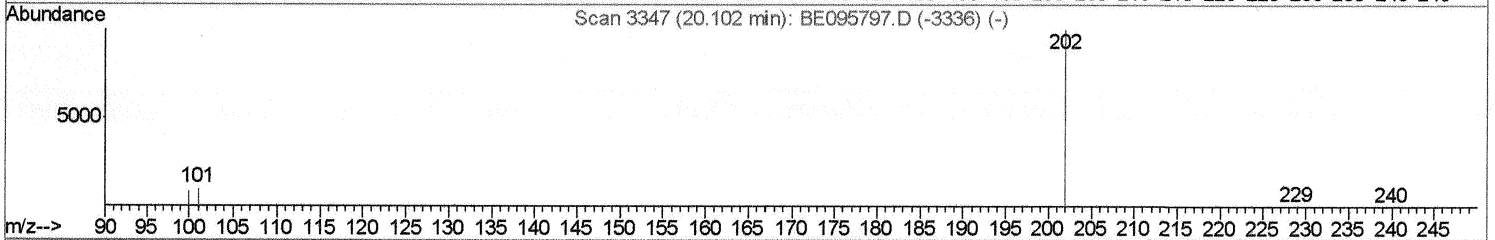
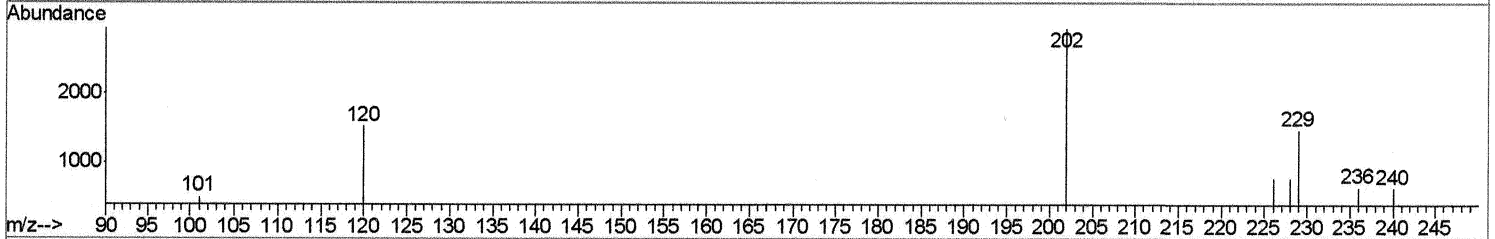
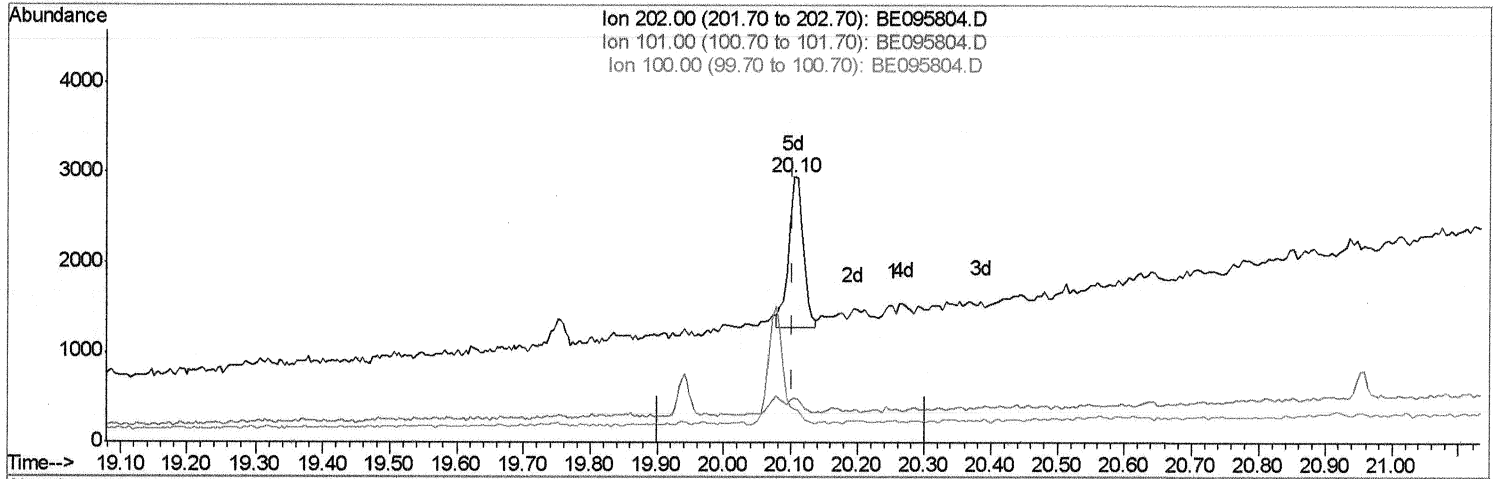
Instrument :

8.M Fri Mar 16 02:16:39 2018

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:13:53 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(17) Pyrene

20.103min (+0.001) 0.10ng/ul m > SJ 3/16/18

response 2518

Ion Exp% Act%

00

16.77#

12.94#

00

3/16/2018 12:01:04 PM

Sohil

APPROVED

Manual Integrations

F6F49DL

ClientSampled :

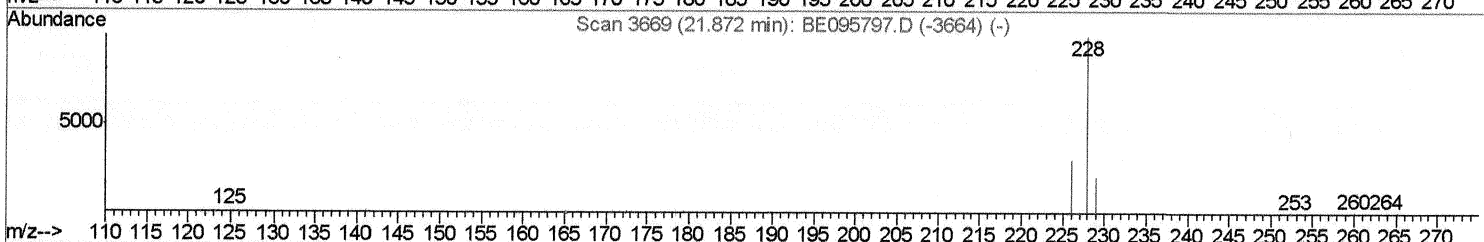
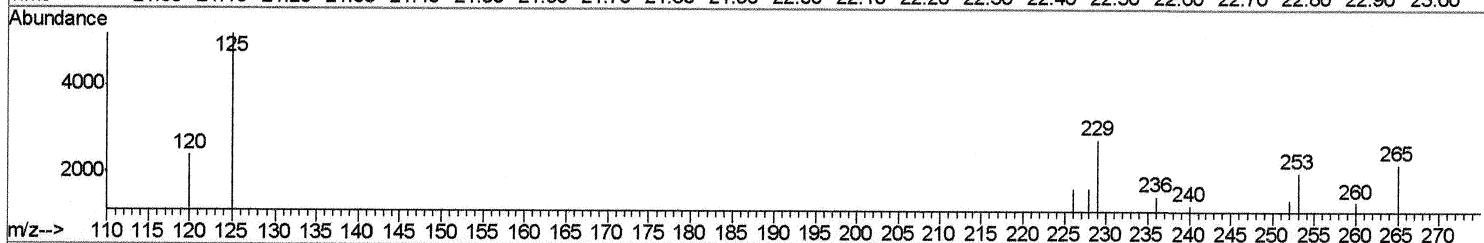
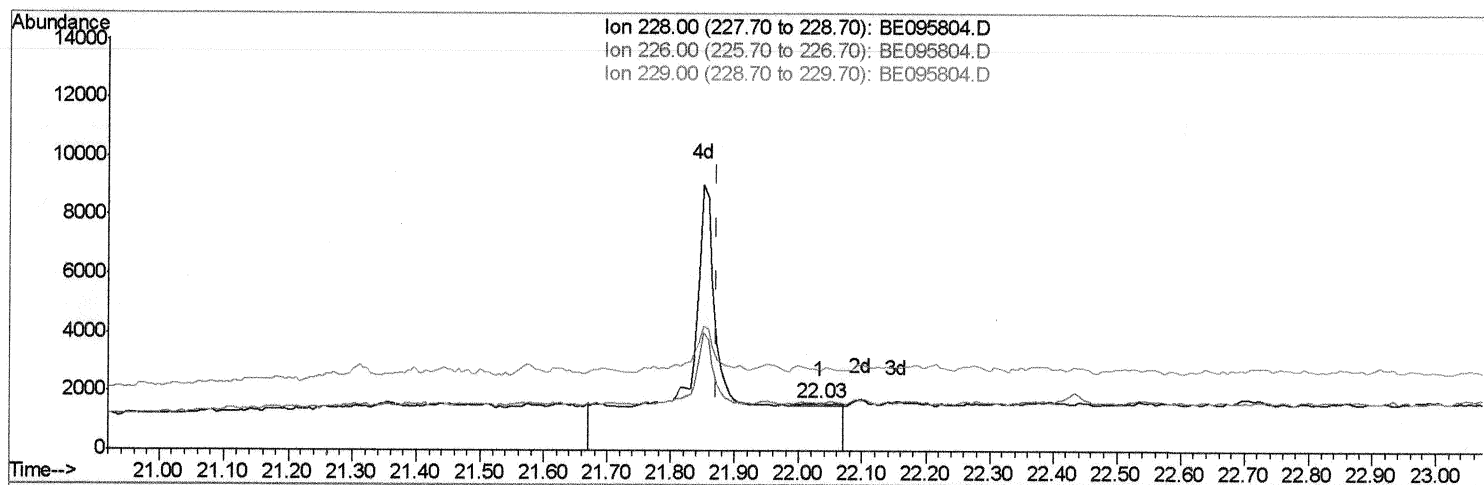
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:13:53 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Qlast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(19) Chrysene

22.033min (+0.161) 0.02ng/ul

response 464

Ion	Exp%	Act%
228.00	100	100
226.00	100	99.26#
229.00	100	68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

229.00 100 68.75#

228.00 100 100

226.00 100 99.26#

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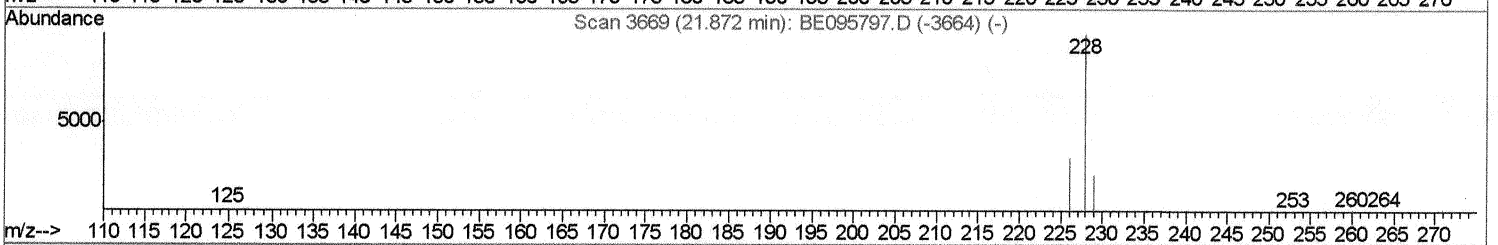
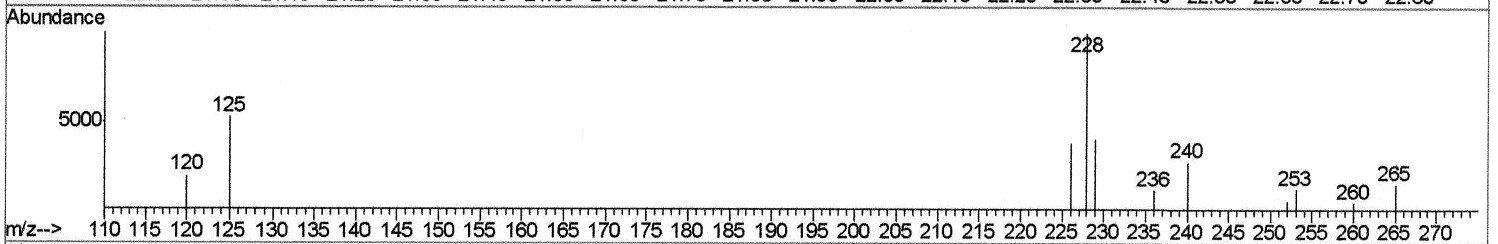
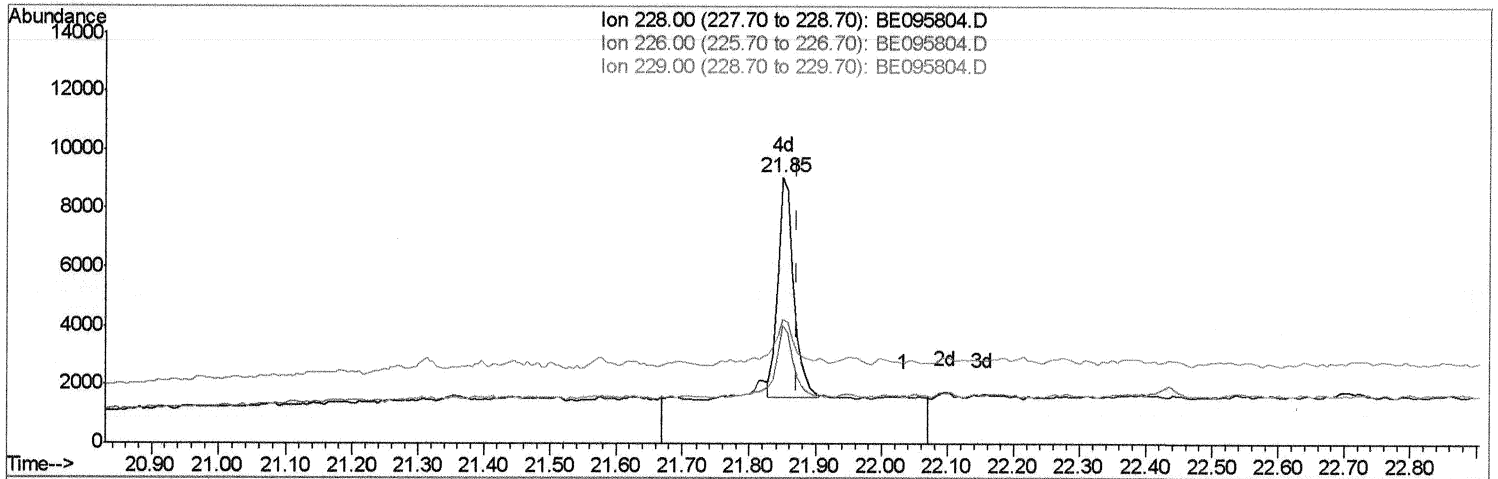
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Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:13:53 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration



TIC: BE095804.D

(19) Chrysene

21.850min (-0.022) 0.56ng/ul m> 52 3/16/18

response 12137

Ion	Exp%	Act%
228	44.78	46.89

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3/16/2018 12:01:04 PM

Sohil

44.78#

APPROVED

46.89#

Manual Integrations

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F6F49DL

Client: Sampled

BNA_E

Instrument:

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095804.D
 Acq On : 15 Mar 2018 15:25
 Operator : SJ/JU
 Sample : J1835-17DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 02:17:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	2047	0.40	ng/ul	0.00
2) Naphthalene-d8	11.28	136	5839	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.04	164	3390	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.75	188	6424m	0.40	ng/ul	0.00
16) Chrysene-d12	21.84	240	6613m	0.40	ng/ul	0.00
20) Perylene-d12	24.51	264	6283	0.40	ng/ul	0.02

SJ 3/16/18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.83	152	615	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.72	212	1451m	0.07	ng/ul	0.00

SJ 3/16/18

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.32	128	905	0.056	ng/ul#	75
5) 2-Methylnaphthalene	12.91	142	1211	0.107	ng/ul	100
12) Phenanthrene	17.79	178	2747m	0.143	ng/ul	
13) Anthracene	17.87	178	483m	0.027	ng/ul	
17) Pyrene	20.10	202	2518m	0.100	ng/ul	
19) Chrysene	21.85	228	12137m	0.559	ng/ul	

SJ 3/16/18

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

3/16/2018 12:01:04 PM
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Manual Integrations
 APPROVED

Instrument : BNA_E
 ClientSampled : F6F49DL