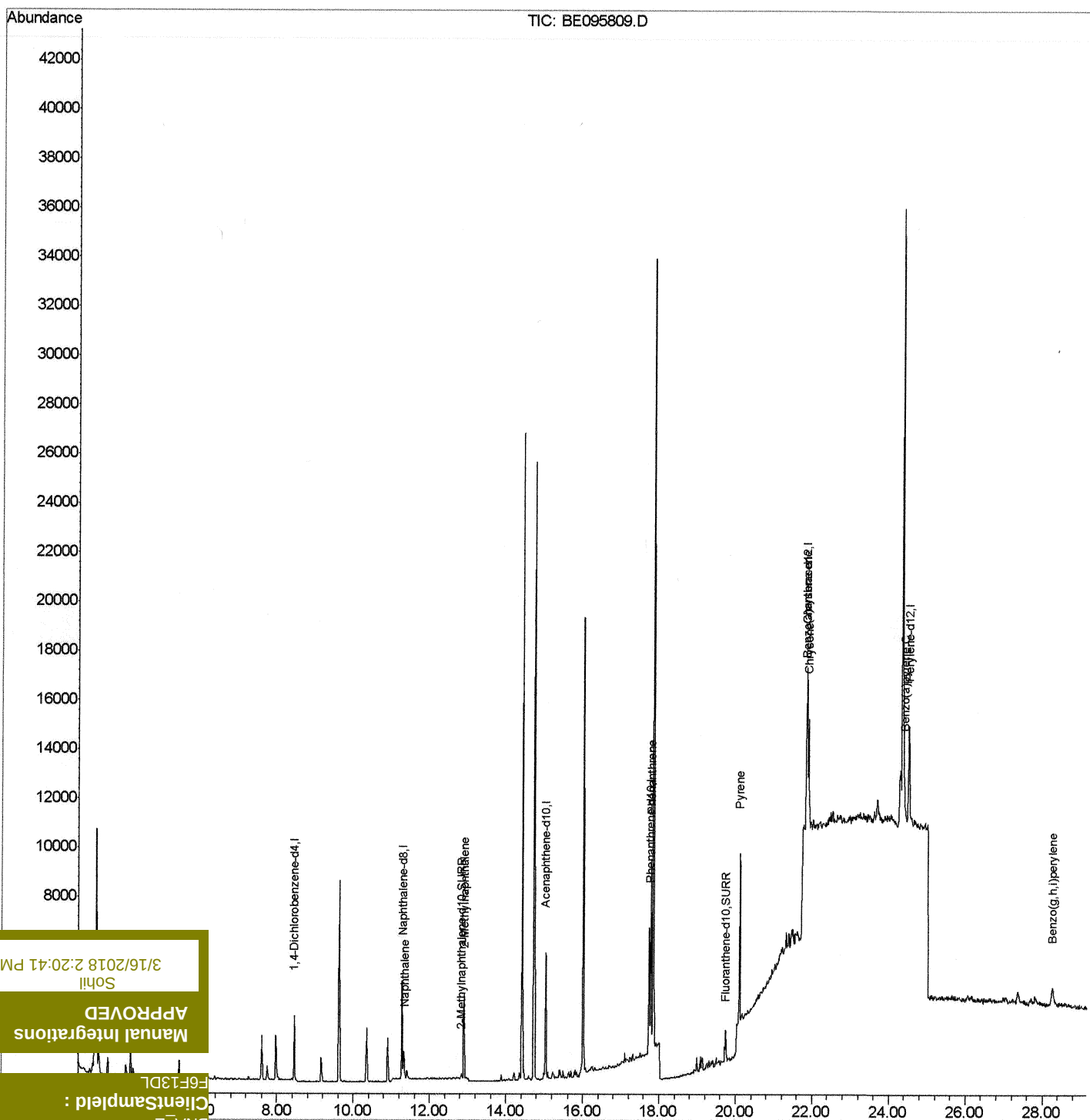


Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
Data File : BE095809.D
Acq On : 15 Mar 2018 18:28
Operator : SJ/JU
Sample : J1835-14DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

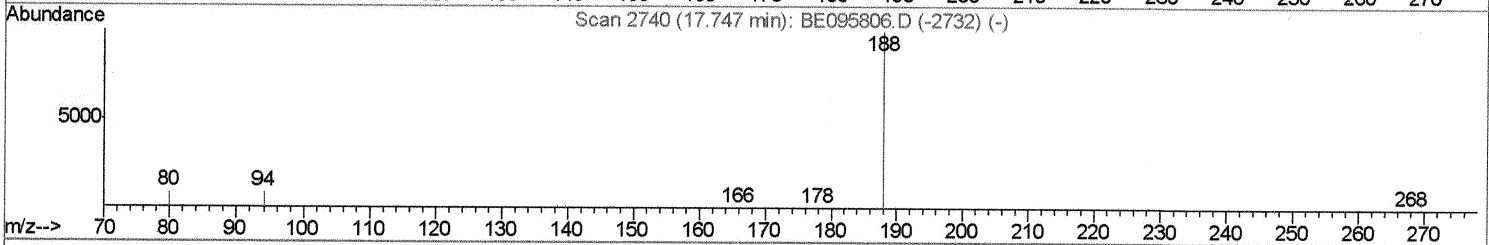
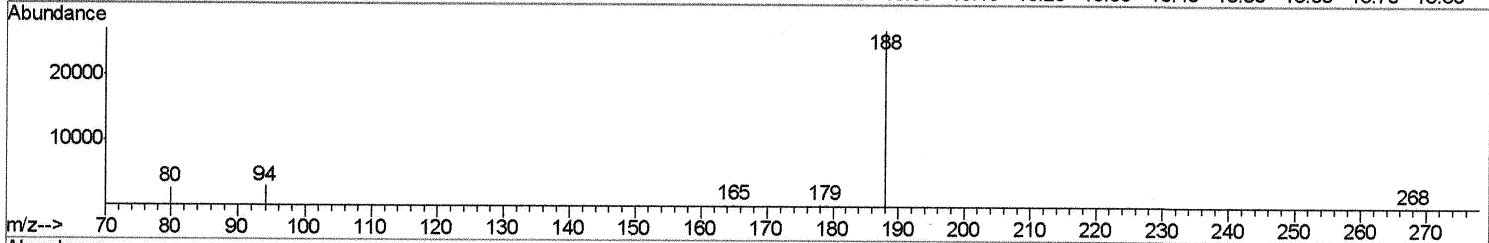
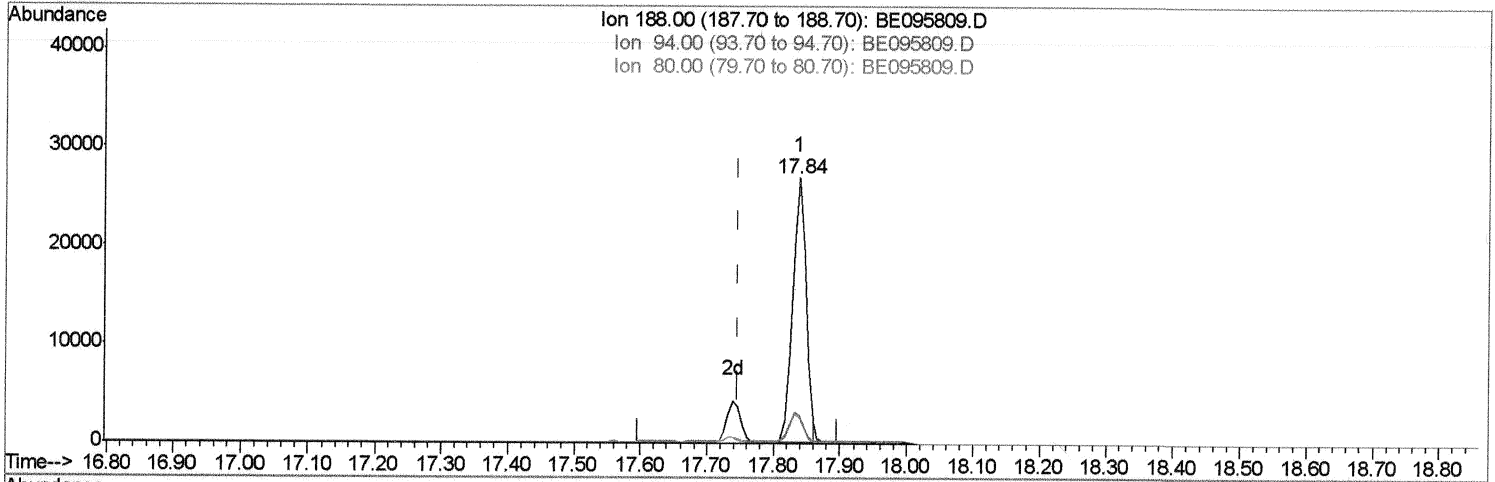
Quant Time: Mar 16 14:05:40 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE031318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Qlast Update : Fri Mar 16 02:40:12 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:27:58 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(10) Phenanthrene-d10 (I)

17.837min (+0.091) 0.40ng/ul

response 37162

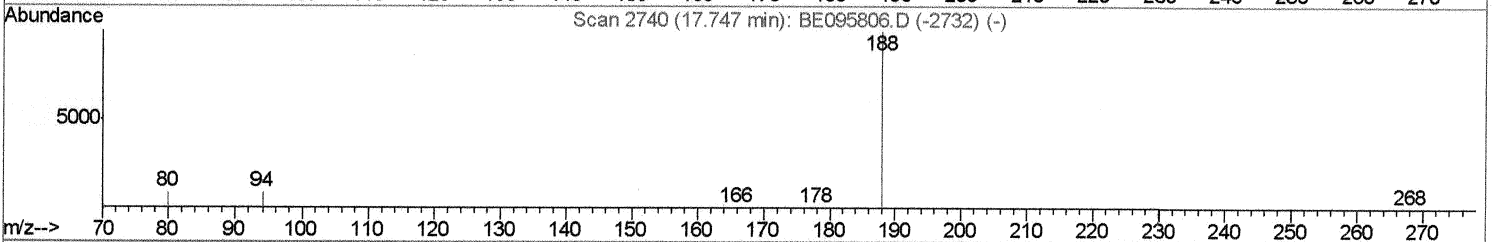
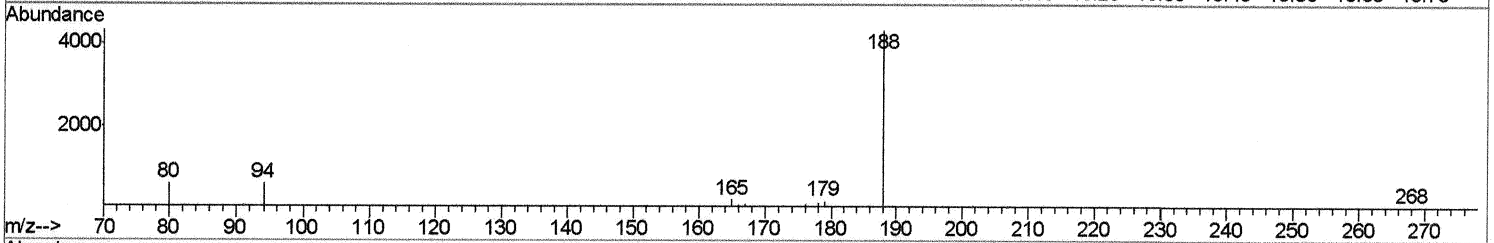
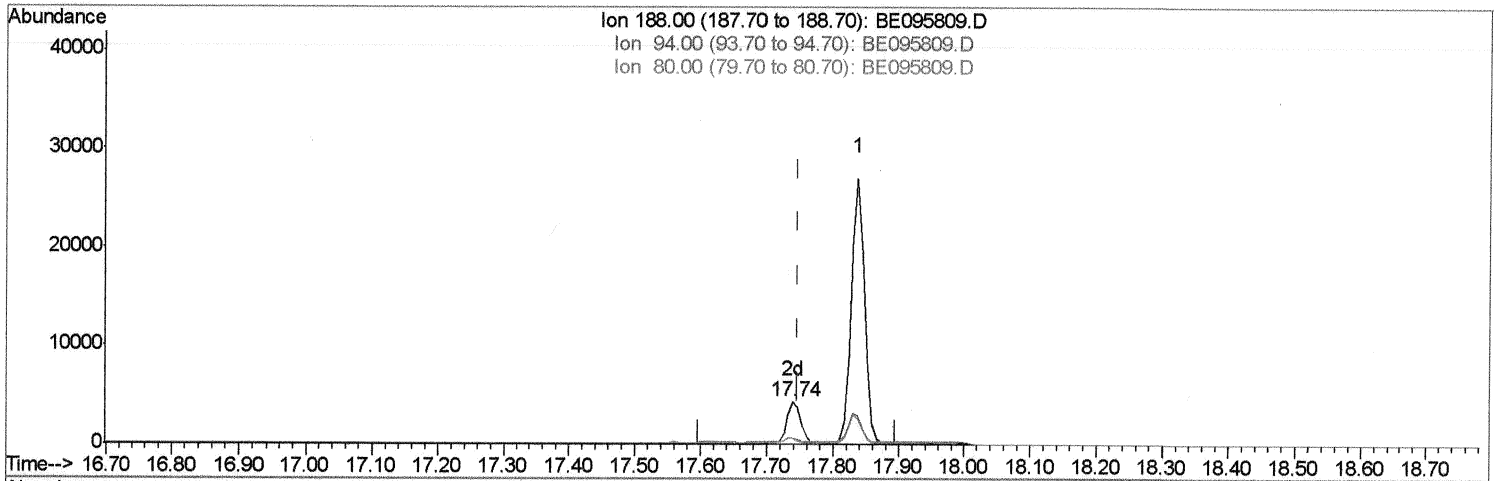
Ion	Exp%	Act%
188.00	100	100
94.00	100	0.95
80.00	100	0.92

3.M Fri Mar 16 13:22:27 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:27:58 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(10) Phenanthrene-d10 (I)

17.739min (-0.008) 0.40ng/ul m> SJ 3/16/18

response 6482

Ion Exp% Act%

188.00 100 100

3/16/2018 2:20:41 PM 4.48#

Sohil

APPROVED 4.45#

Manual Integrations 00

F6F13DL

ClientSampled :

BNA_E

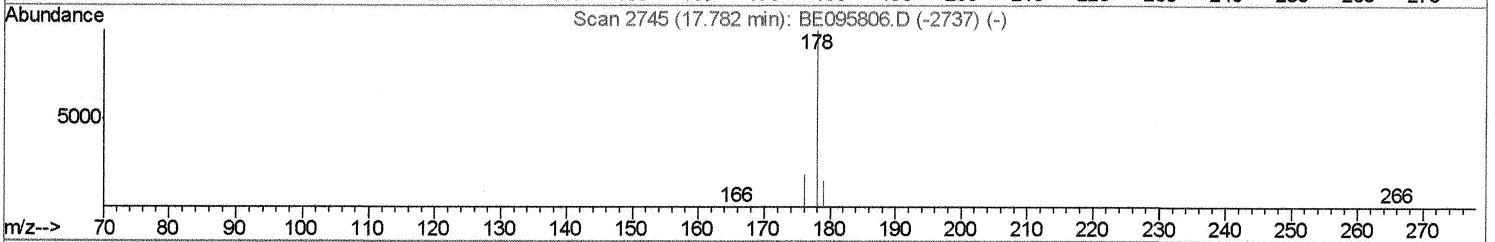
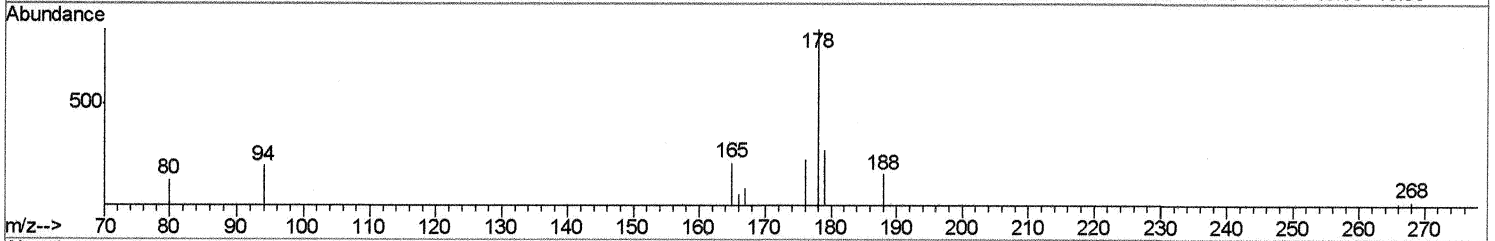
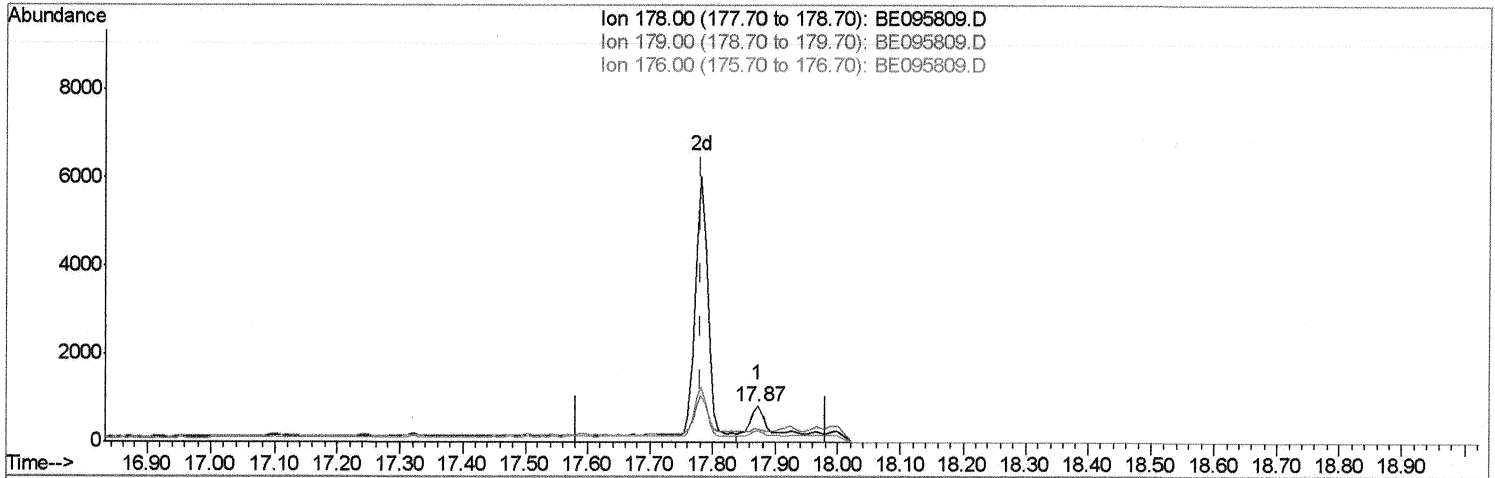
Instrument :

3.M Fri Mar 16 13:23:58 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:29:59 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(12) Phenanthrene

17.873min (+0.091) 0.16ng/ul

response 3114

Ion	Exp%	Act%
178.00	100	100
176.00	100	38.02#
179.00	100	32.59#
177.00	100	0.00

3/16/2018 2:20:41 PM

Sohil

APPROVED

Manual Integrations

F6F13DL

ClientSampled :

Instrument :

3.M Fri Mar 16 13:24:44 2018

```
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
Data File : BE095809.D
Acq On    : 15 Mar 2018   18:28
Operator  : SJ/JU
Sample    : J1835-14DL 10X
Misc      :
ALS Vial  : 13      Sample Multiplier: 1
```

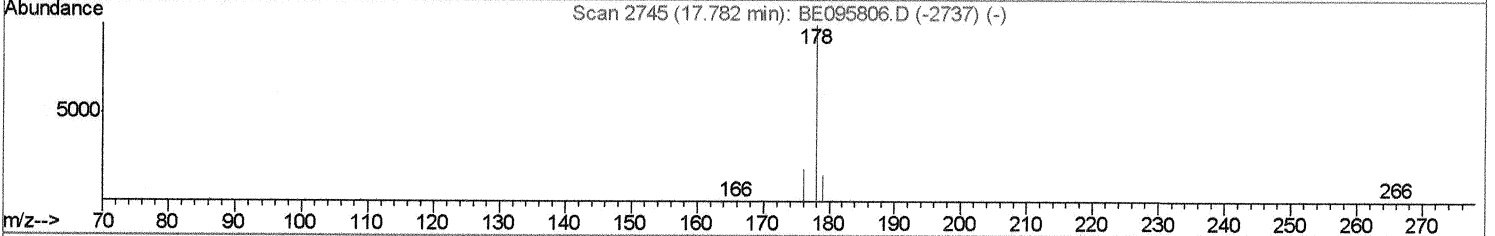
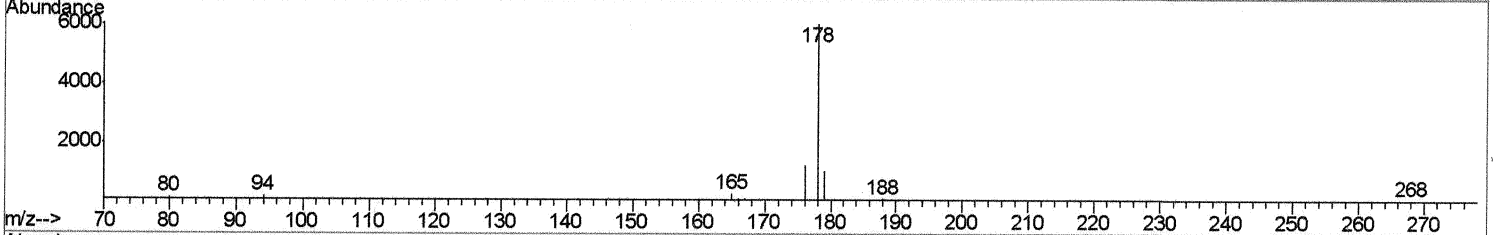
Abundance

lon 178.00 (177.70 to 178.70): BE095809.D
lon 179.00 (178.70 to 179.70): BE095809.D
lon 176.00 (175.70 to 176.70): BE095809.D

2d
17.78

1

Time--> 16.80 16.90 17.00 17.10 17.20 17.30 17.40 17.50 17.60 17.70 17.80 17.90 18.00 18.10 18.20 18.30 18.40 18.50 18.60 18.70

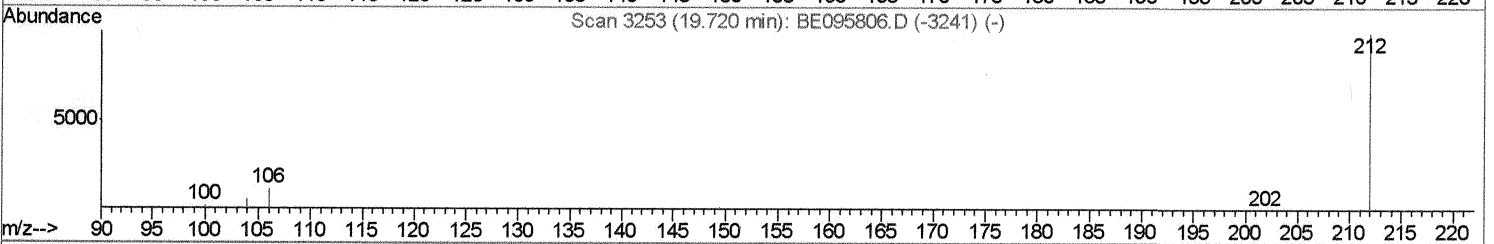
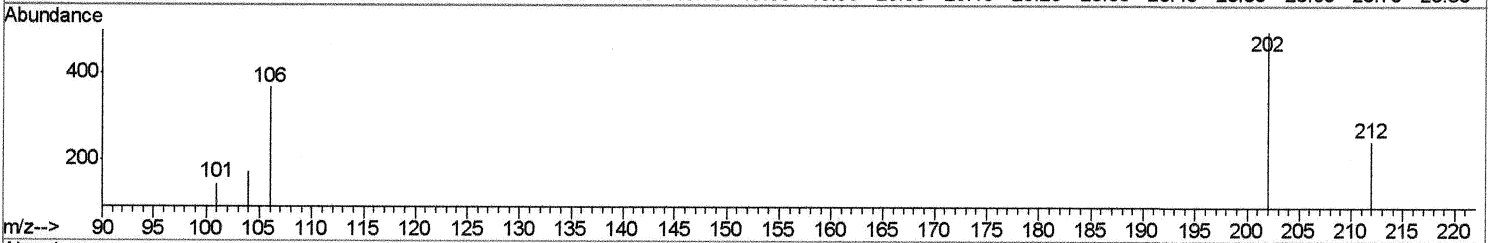
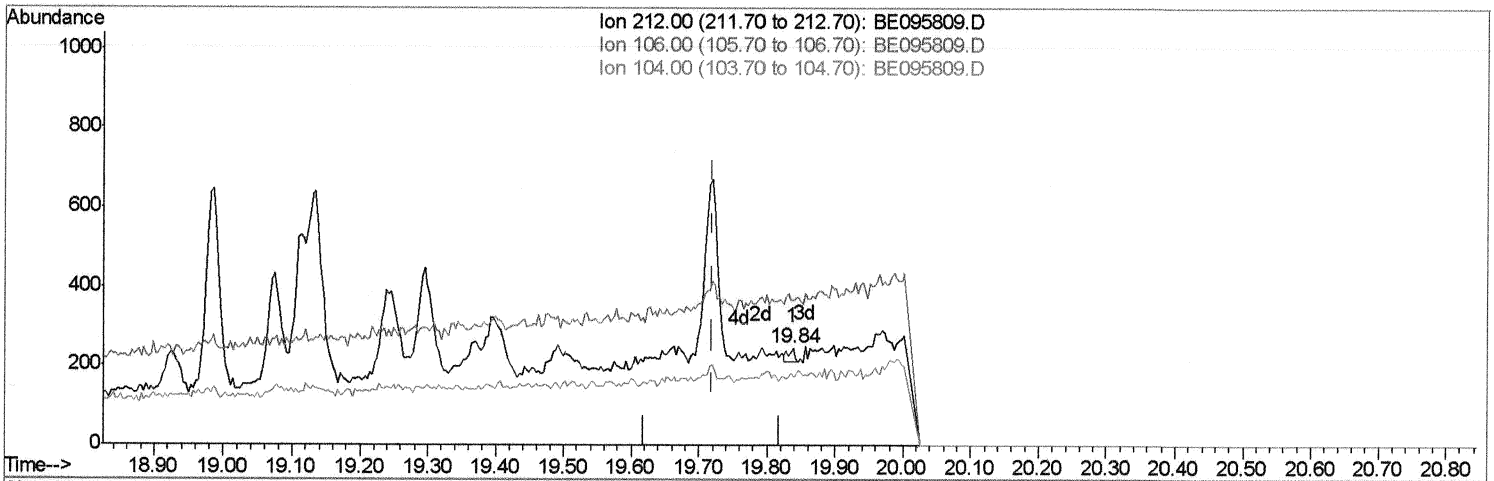


Page: 1

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:29:59 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 02:40:12 2018
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.837min (+0.117) 0.00ng/ul

response 23

Ion Exp% Act%

212.00 100 100

3/16/2018 2:20:41 PM 35.22#

Sohil 39.57#

APPROVED 100

Manual Integrations

F6F13DL

ClientSampleId :

BNA_E

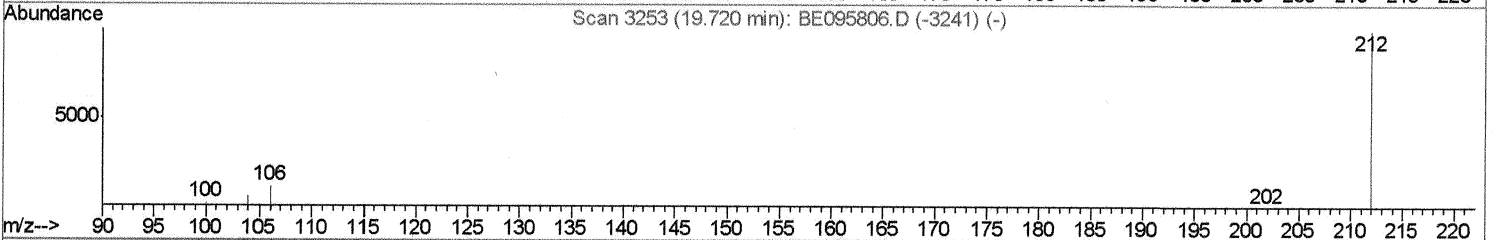
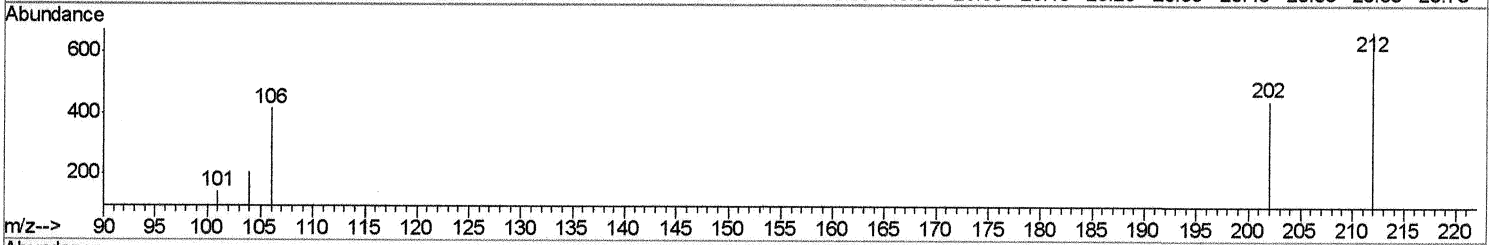
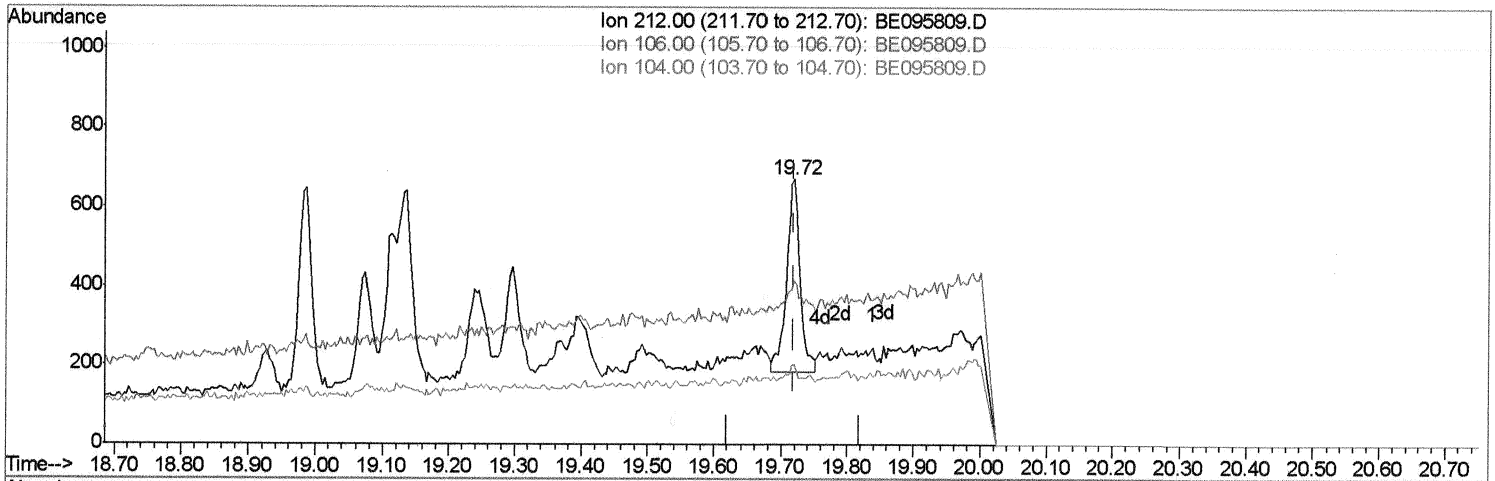
Instrument :

3.M Fri Mar 16 13:52:08 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:29:59 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(14) Fluoranthene-d10 (SURR)

19.719min (-0.000) 0.04ng/ul m) SJ 3/16/18

response 729

Ion	Exp%	Act%
212.00	100	100

3/16/2018 2:20:41 PM
 Sohll
 APPROVED
 Manual Integrations

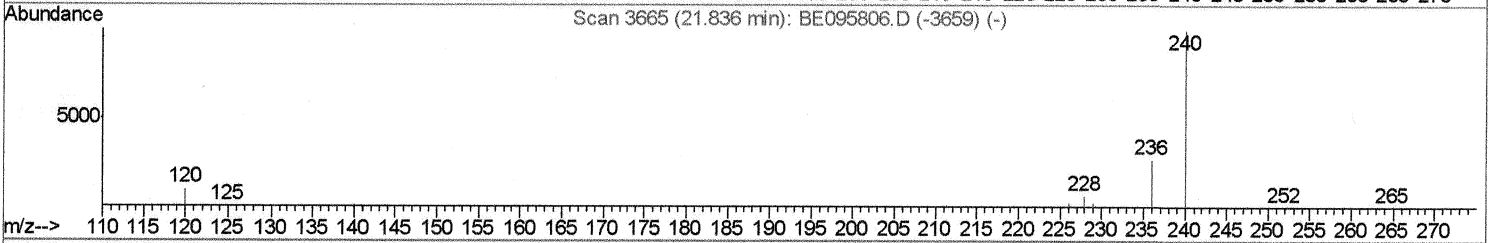
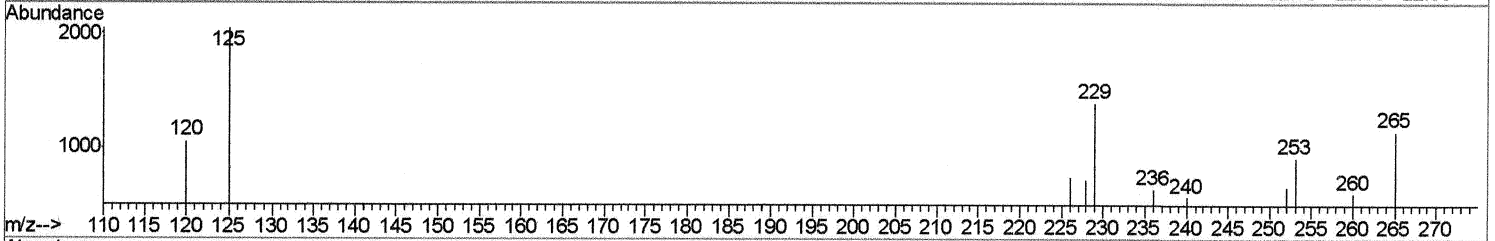
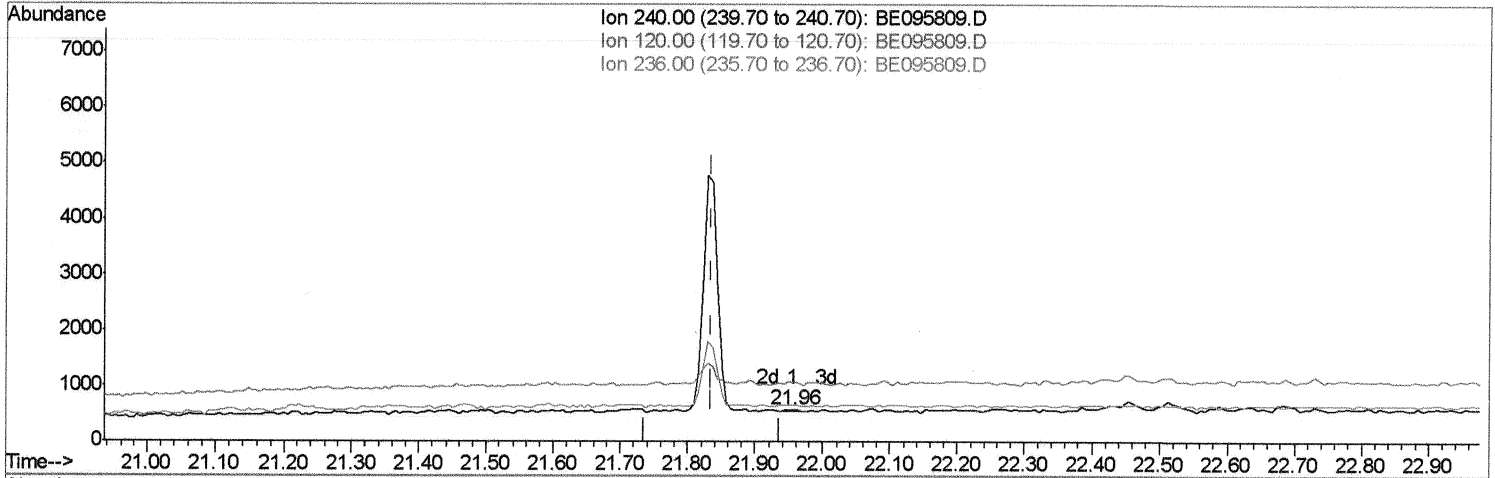
ClientSampleId :
 BNA_E
 Instrument :

3.M Fri Mar 16 13:53:21 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:29:59 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(16) Chrysene-d12 (I)
 21.956min (+0.120) 0.40ng/ul
 response 49

Ion	Exp%	Act%
240.00	100	100
120.00	100	84.44#
236.00	100	12.41#
228.00	100	0.00

3/16/2018 2:20:41 PM

Sohil

APPROVED

Manual Integrations

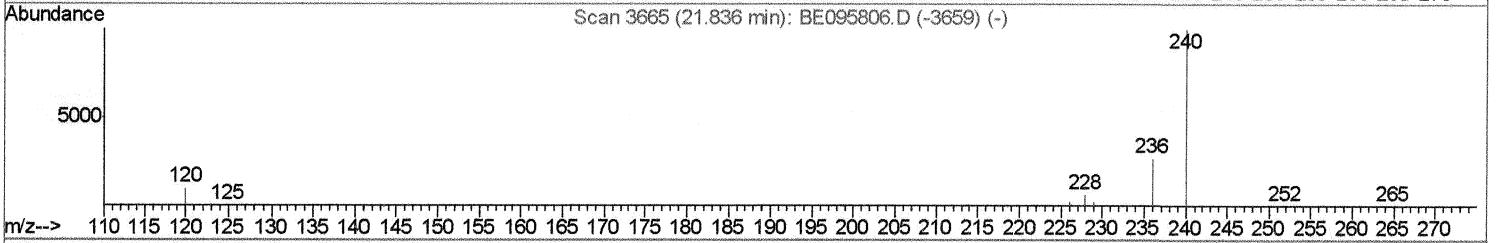
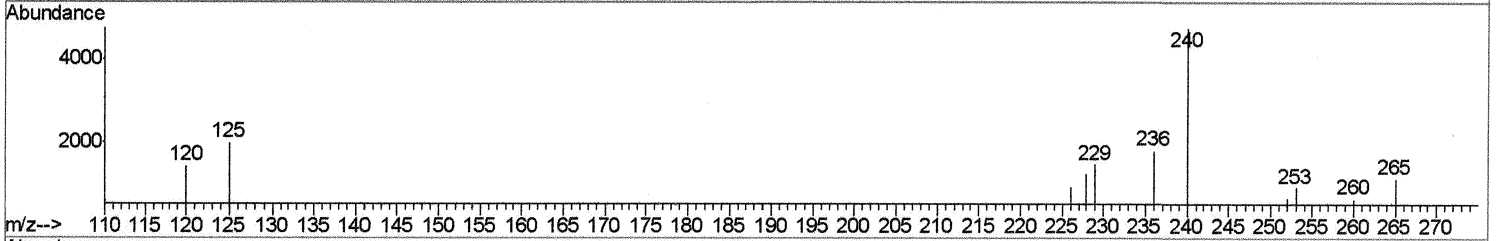
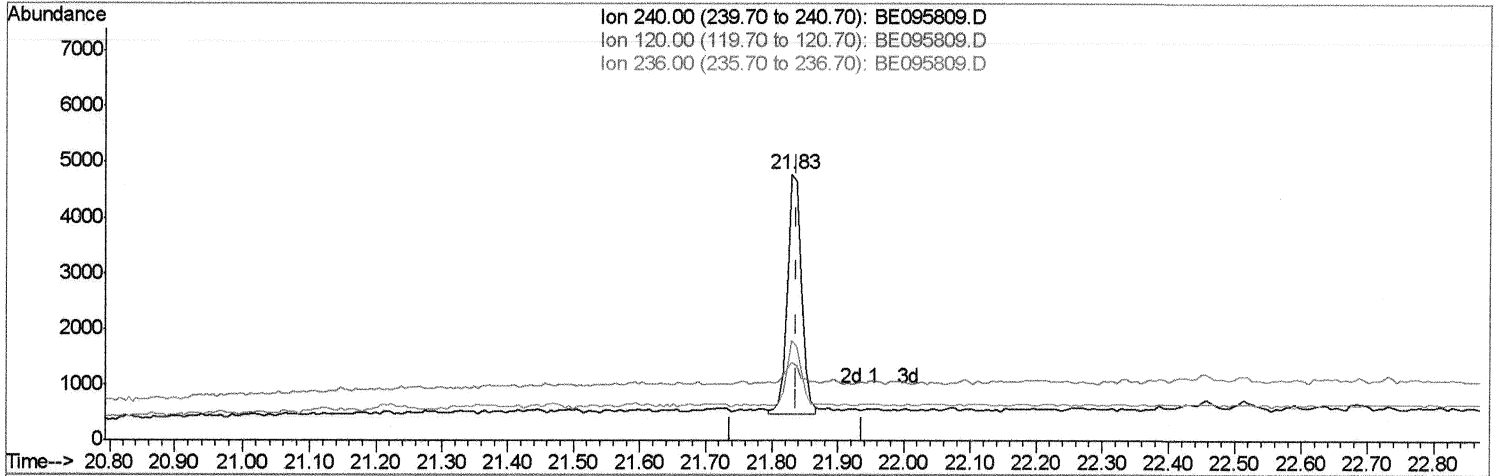
Instrument : BNA_E
 ClientSampled : F6F13DL

8.M Fri Mar 16 13:53:29 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:29:59 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(16) Chrysene-d12 (I)

21.829min (-0.007) 0.40ng/ul m

SJ 3/16/18

response 6472

Ion Exp% Act%

240.00 100 100

3/16/2018 2:20:41 PM 29.62#

Sohil

APPROVED 37.58

Manual Integrations 100

F6F13DL

Client Sampled :

BNA_E

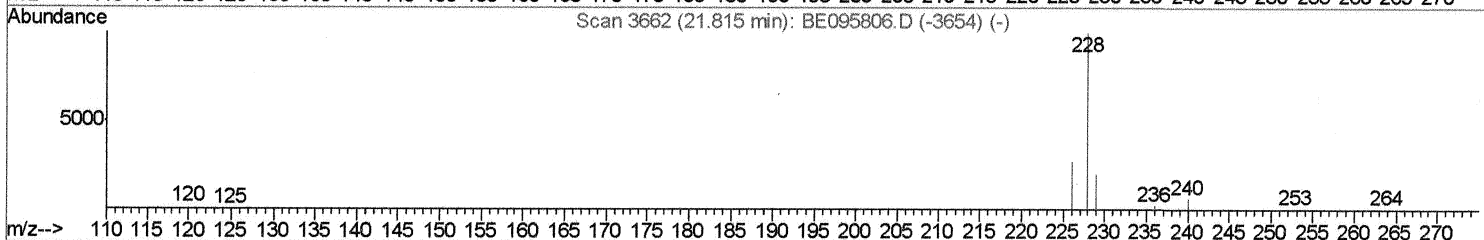
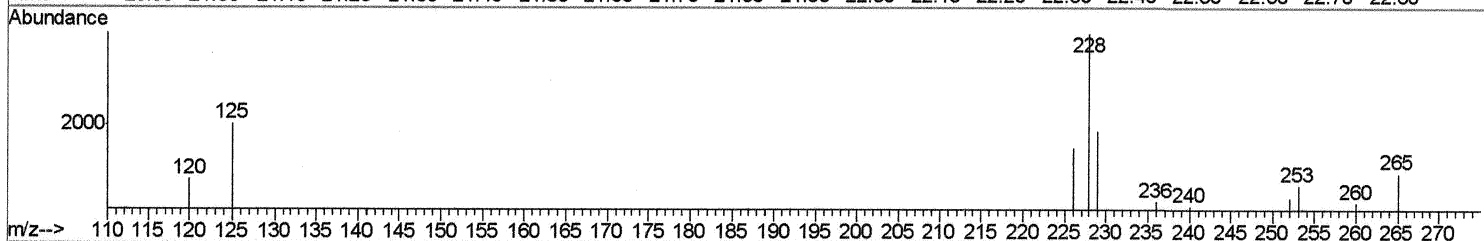
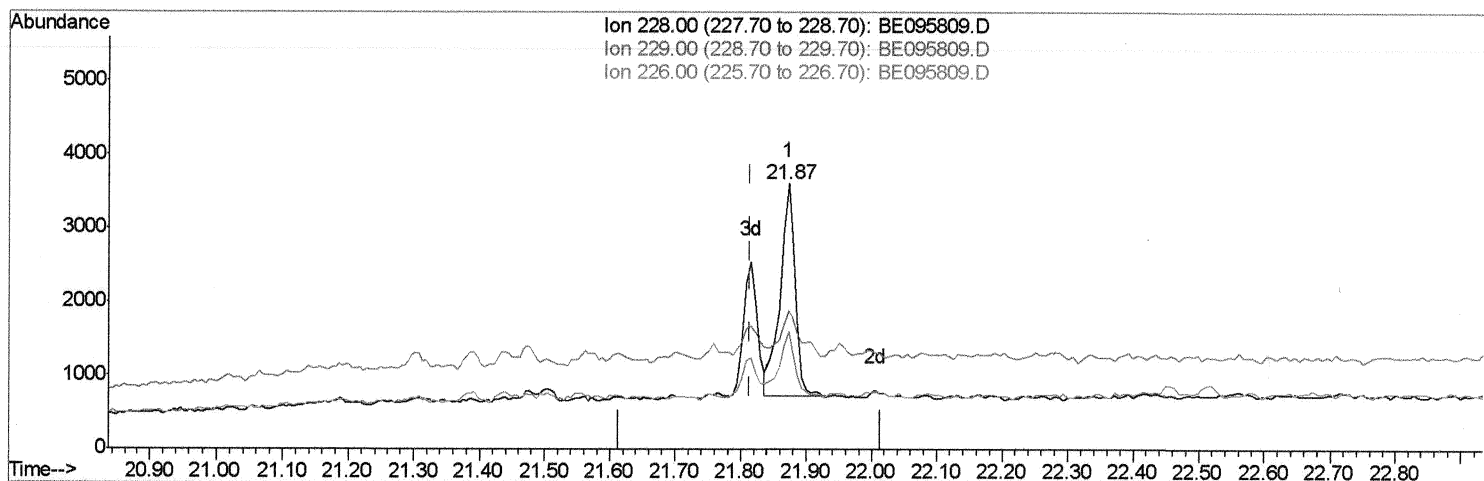
Instrument :

8.M Fri Mar 16 13:54:02 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:00:03 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(18) Benzo(a)anthracene

21.871min (+0.057) 0.23ng/ul

response 4745

Ion	Exp%	Act%
228.00	100	100
229.00	52.12	52.12
226.00	14.44	14.44

228.00 100 100

229.00 52.12 52.12

226.00 14.44 14.44

000 000 000

3/16/2018 2:20:41 PM

Sohil

APPROVED

Manual Integrations

F6F13DL

ClientSampled :

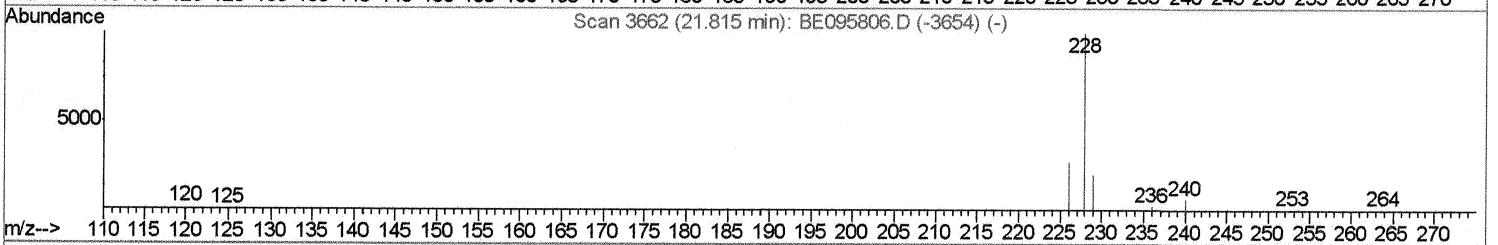
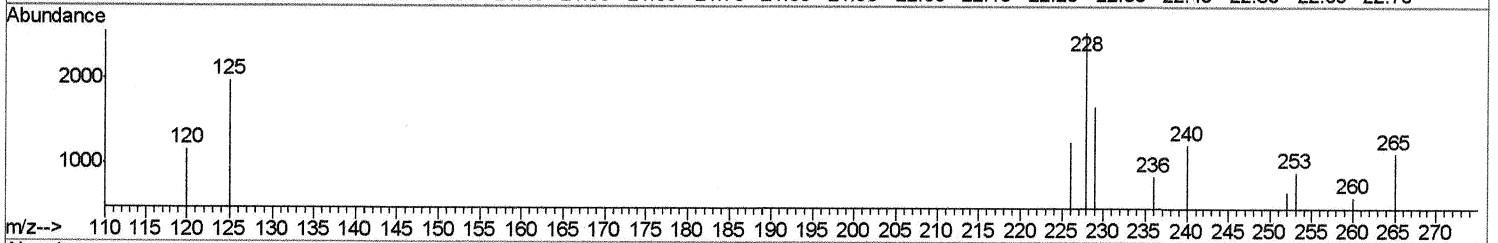
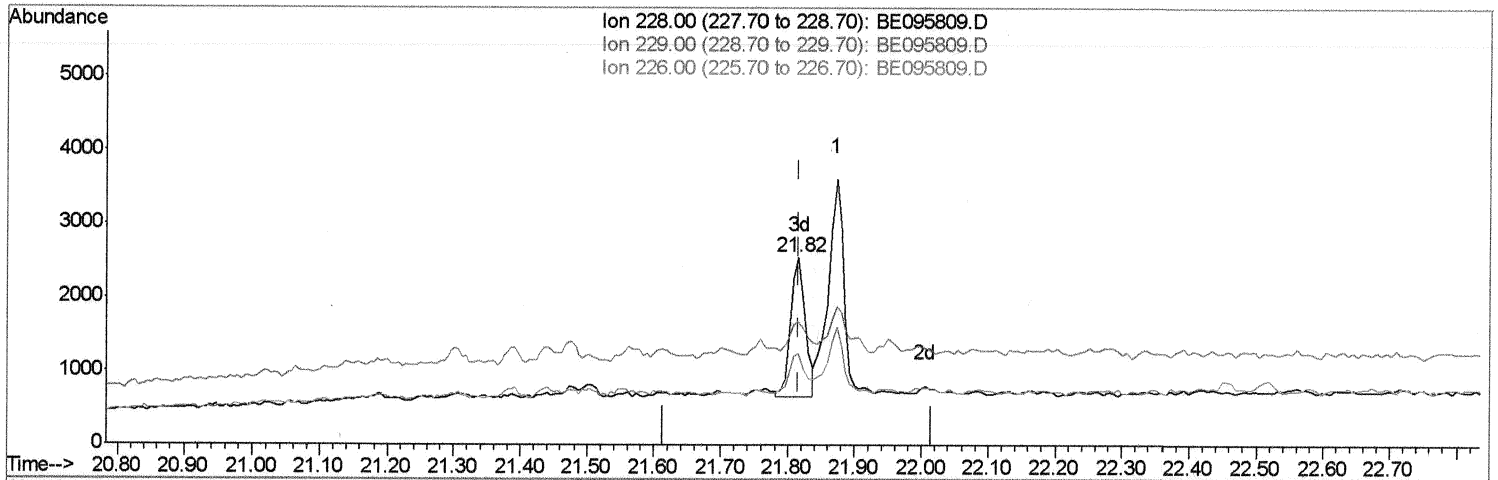
Instrument :

3.M Fri Mar 16 13:55:05 2018

Quantitation Report (Qedit)

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 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:00:03 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(18) Benzo(a)anthracene

21.815min (+0.000) 0.14ng/ul m

response 2887

Ion Exp% Act%

228.00 100 100

3/16/2018 2:20:41 PM 55.75#

Sohil

APPROVED 49.18#

Manual Integrations

F6F13DL

ClientSampled :

BNA_E

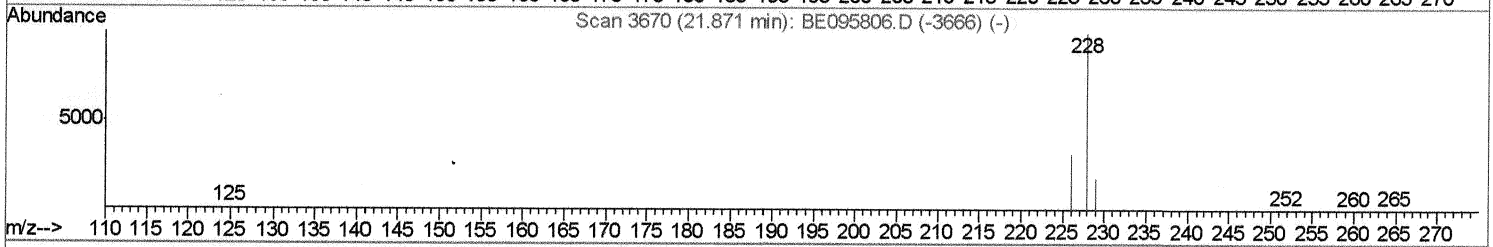
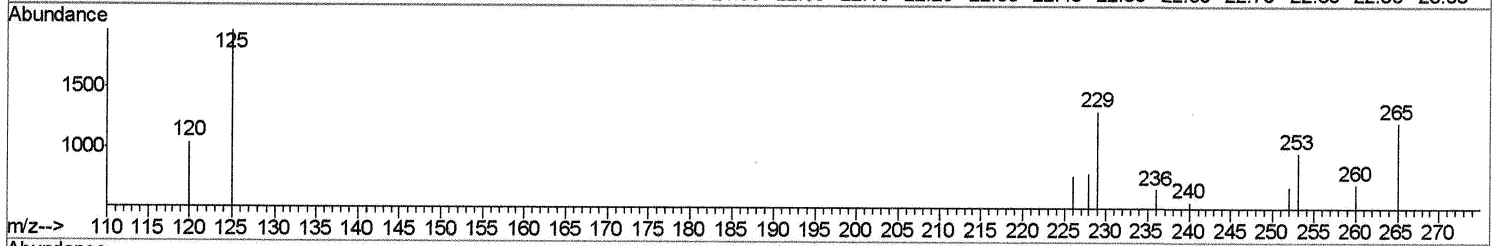
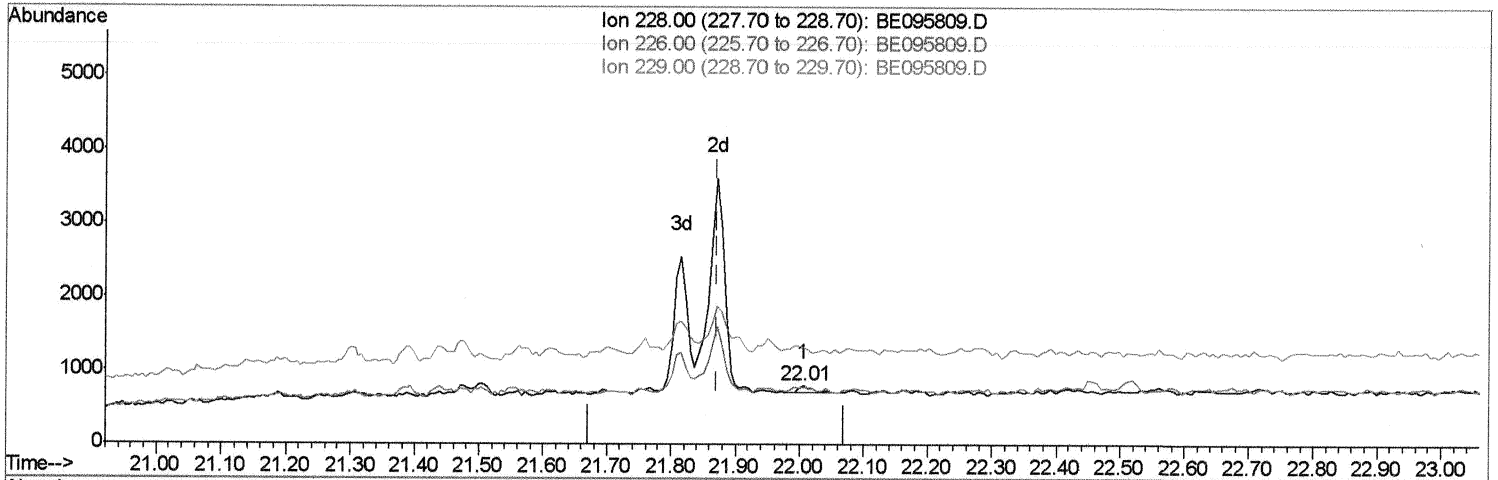
Instrument :

3.M Fri Mar 16 13:55:21 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:00:03 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(19) Chrysene

22.005min (+0.134) 0.01ng/ul

response 176

Ion	Exp%	Act%
228.00	100	100
226.00	100	97.87#
229.00	100	64.29#

3/16/2018 2:20:41 PM

Sohil

APPROVED

Manual Integrations

F6F13DL

ClientSampled :

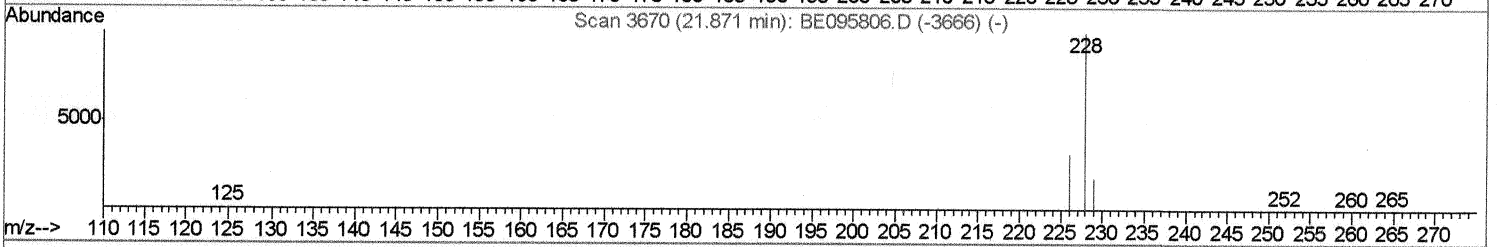
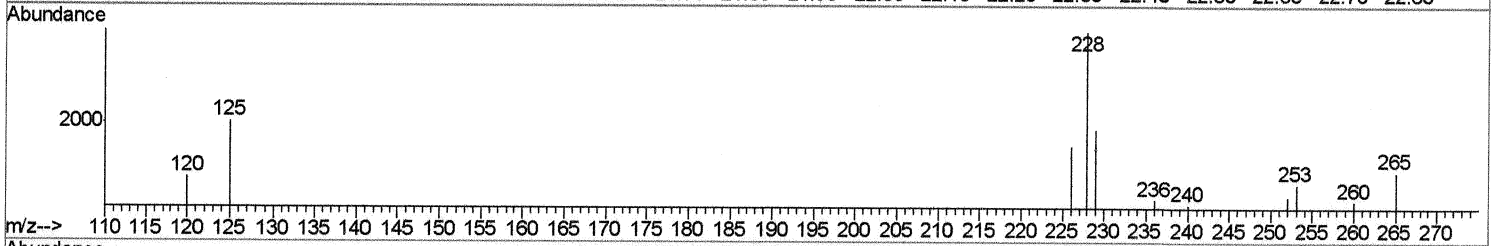
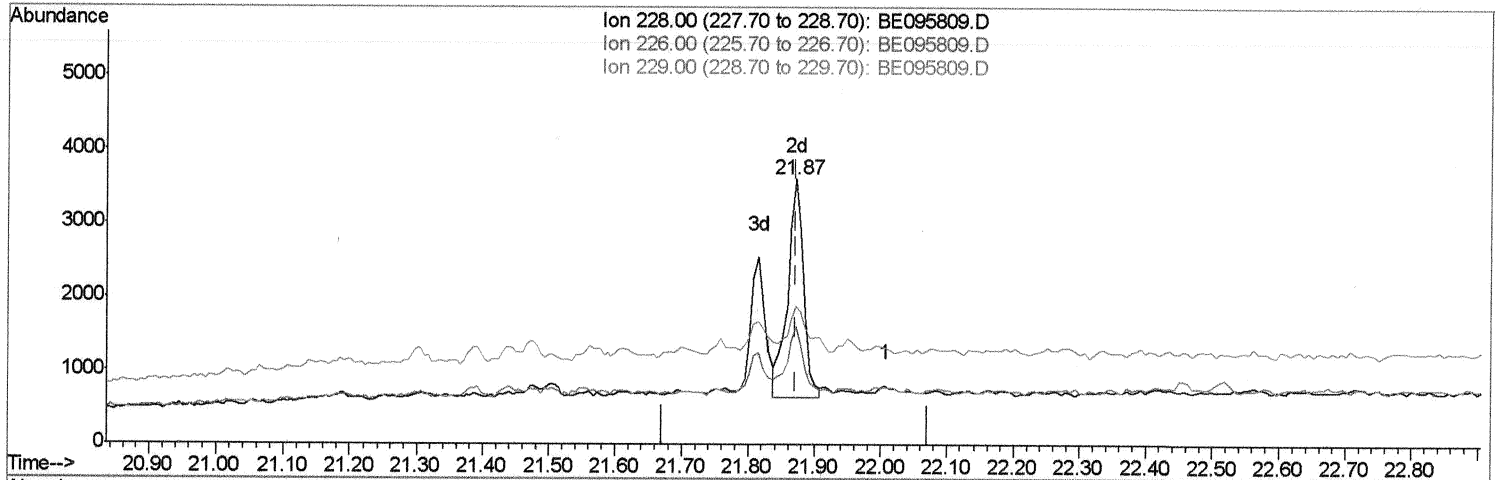
BNA_E

Instrument :

3.M Fri Mar 16 13:55:29 2018

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Data Path : \\74.0.250.170\svosrv\HPCHEM1\BNA_E\Data\BE031518\
Data File : BE095809.D
Acq On    : 15 Mar 2018  18:28
Operator  : SJ/JU
Sample    : J1835-14DL 10X
Misc      :
ALS Vial  : 13      Sample Multiplier: 1
```

Quant Time: Mar 16 14:00:03 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 02:40:12 2018
Response via : Initial Calibration



TIC: BE095809.D

(19) Chrysene

21.871min (+0.000) 0.24ng/ul m > SD 3/16/18

response 4997

Ion	Exp%	Act%
-----	------	------

Manual Integrated
APPROVED
Sohil
3/16/2018 2:20

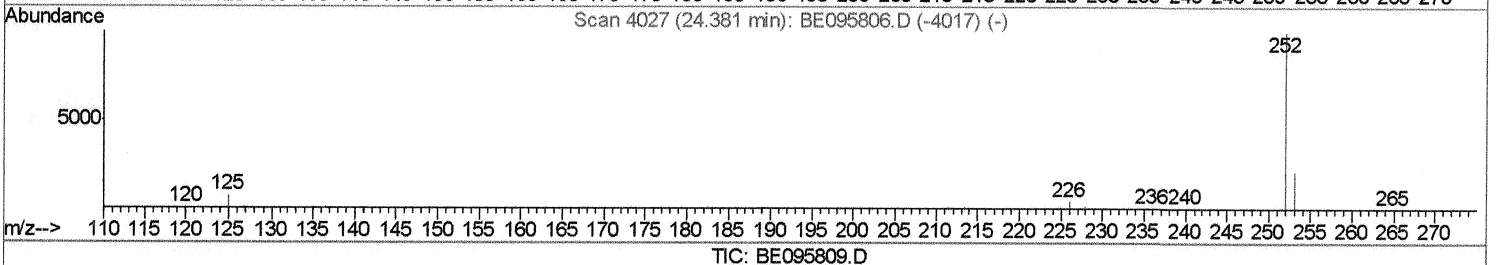
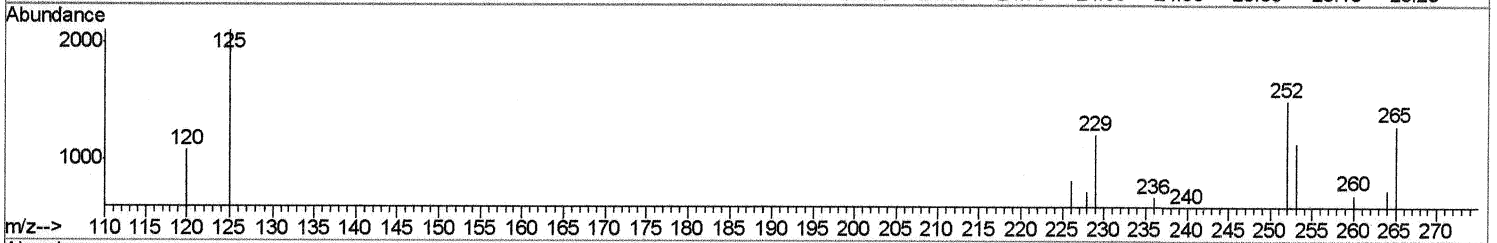
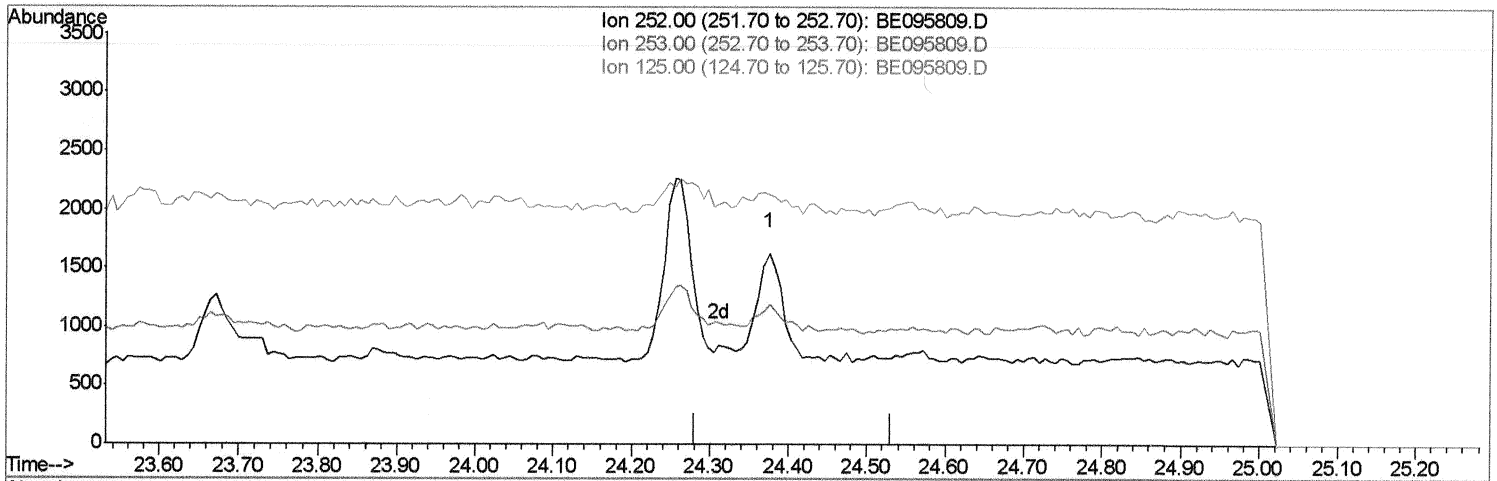
Instrument : BNA_E
ClientSampleId : F6F13DL

8.M Fri Mar 16 13:56:01 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:02:28 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 02:40:12 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.381min (-24.381) 0.00ng/ul d

response 0

Ion	Exp%	Act%
252.00	100	0.00
253.00	100	0.00
125.00	100	0.00
120.00	100	0.00
229.00	100	0.00
226.00	100	0.00
236.00	100	0.00
240.00	100	0.00
260.00	100	0.00
265.00	100	0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

3/16/2018 2:20:41 PM

Sohil

APPROVED

Manual Integrations

F6F13DL

ClientSampled :

BNA_E

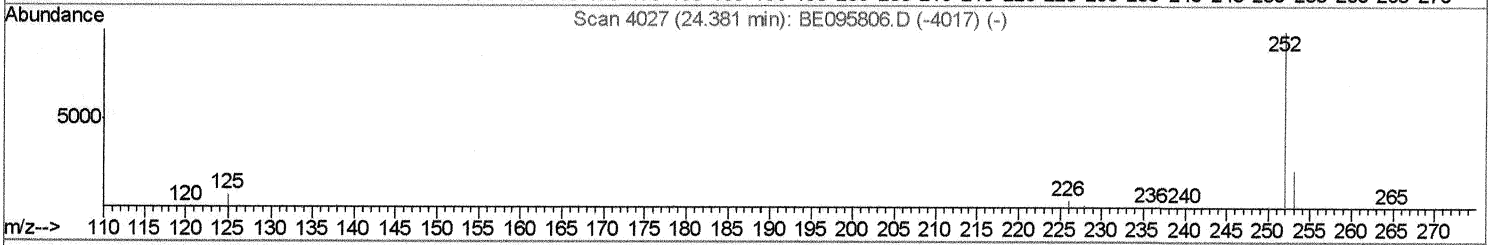
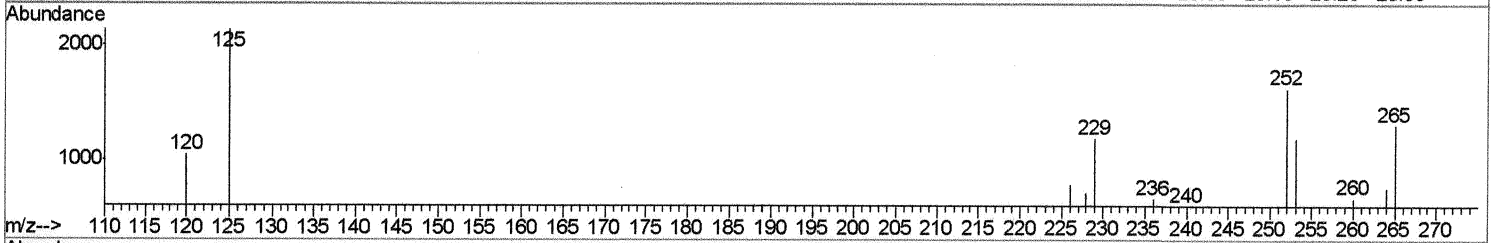
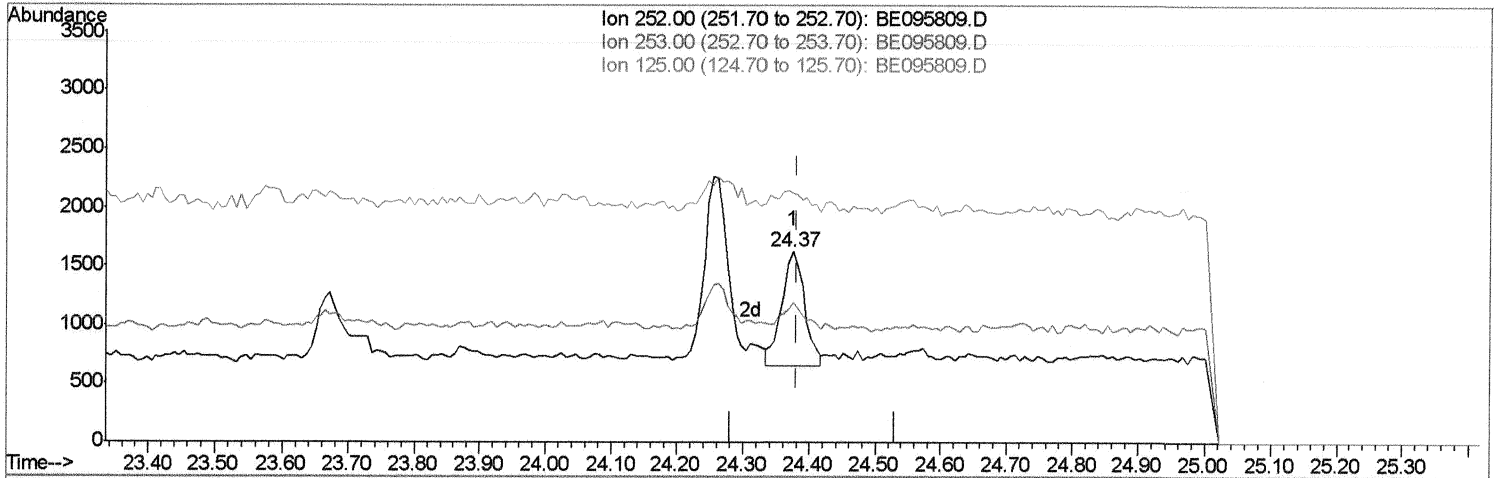
Instrument :

8.M Fri Mar 16 13:58:27 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:02:28 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

(23) Benzo(a)pyrene (C)

24.375min (-0.007) 0.12ng/ul m > 3/16/18

response 2364

Ion Exp% Act%

252.00 100 100

3/16/2018 2:20:41 PM 73.32#

Sohil

APPROVED 31.55#

Manual Integrations 00

F6F13DL

ClientSampled :

BNA_E

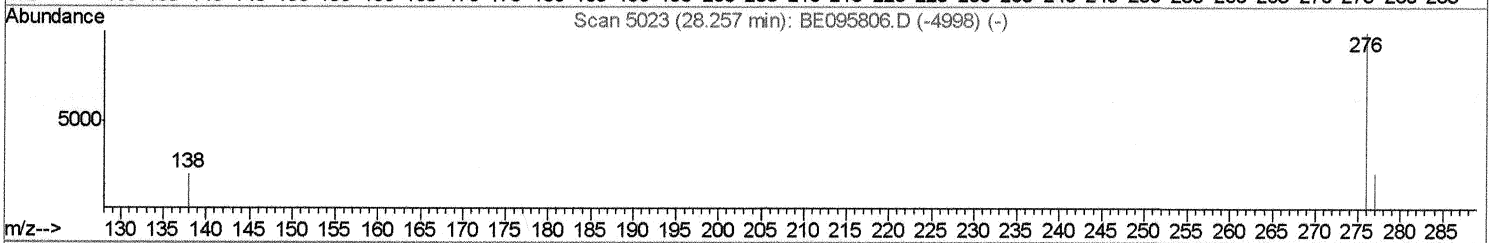
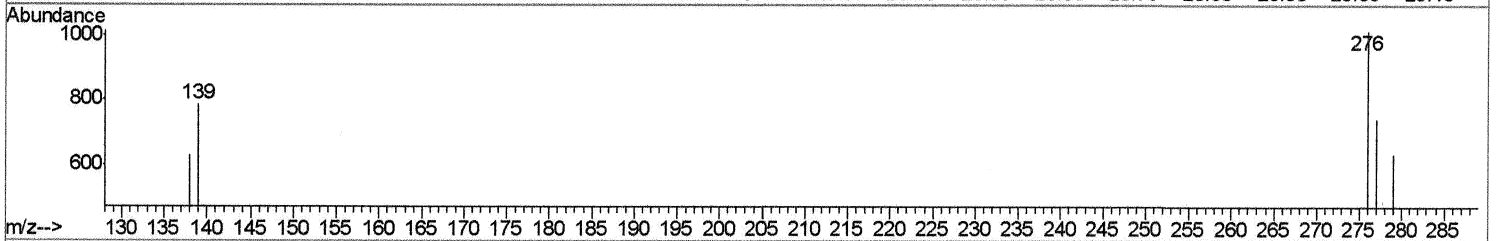
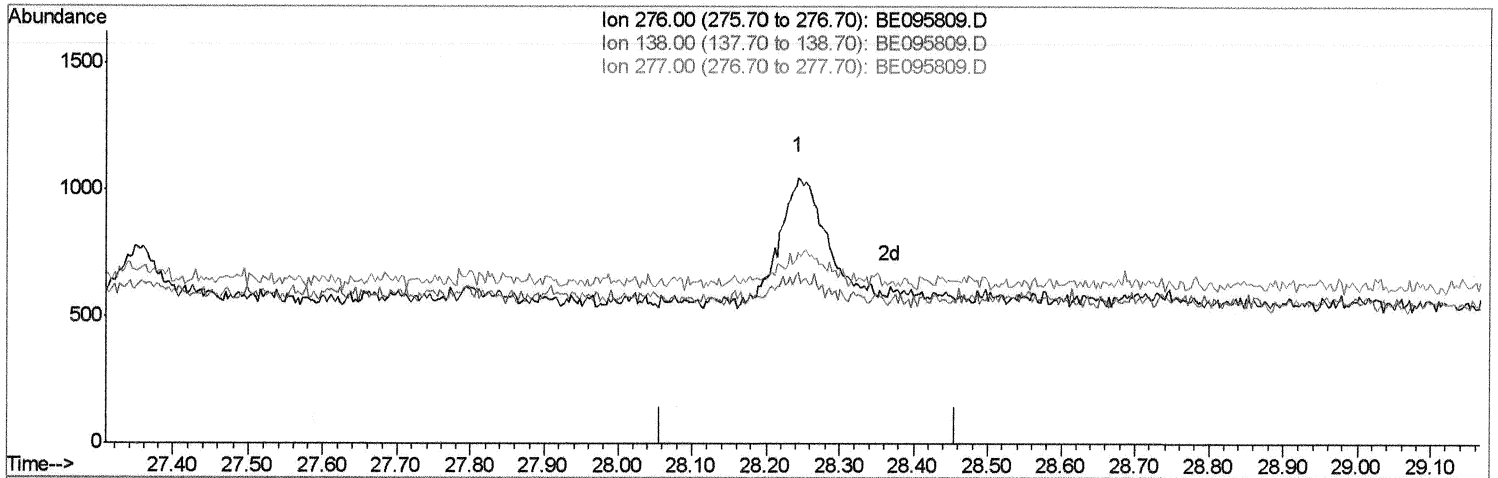
Instrument :

3.M Fri Mar 16 13:58:43 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:02:28 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

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

28.257min (-28.257) 0.00ng/ul d

response 0

Ion	Exp%	Act%
276.00	100	0.00
138.00	100	0.00
275.00	100	0.00
277.00	100	0.00

3/16/2018 2:20:41 PM

Sohil

APPROVED

Manual Integrations

F6F13DL

ClientSampled :

BNA_E

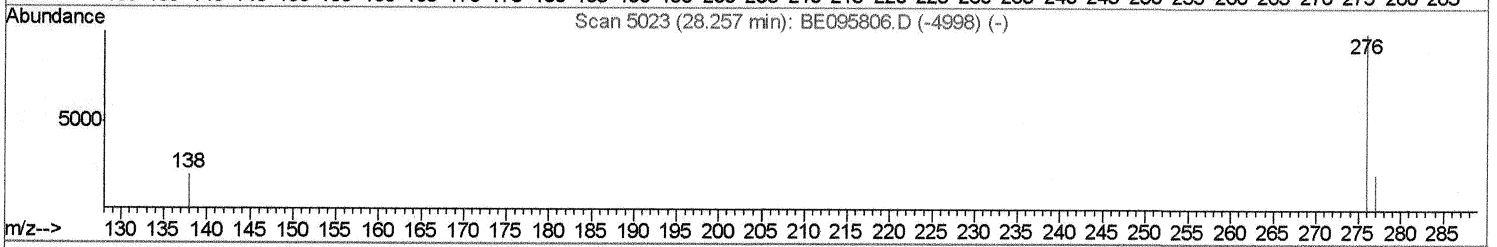
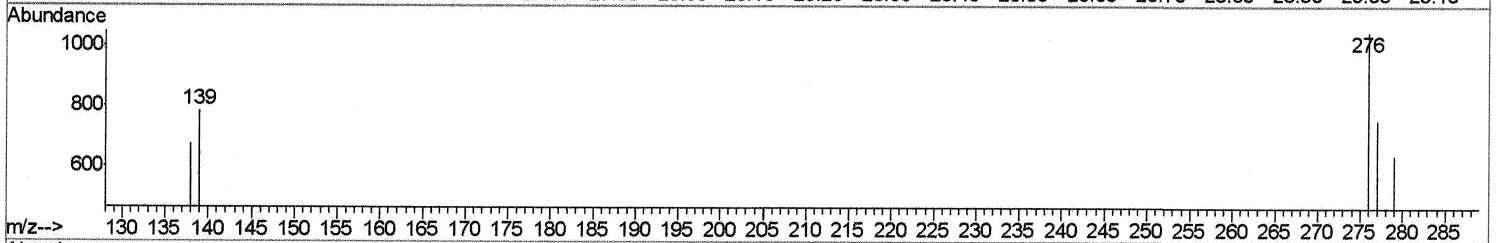
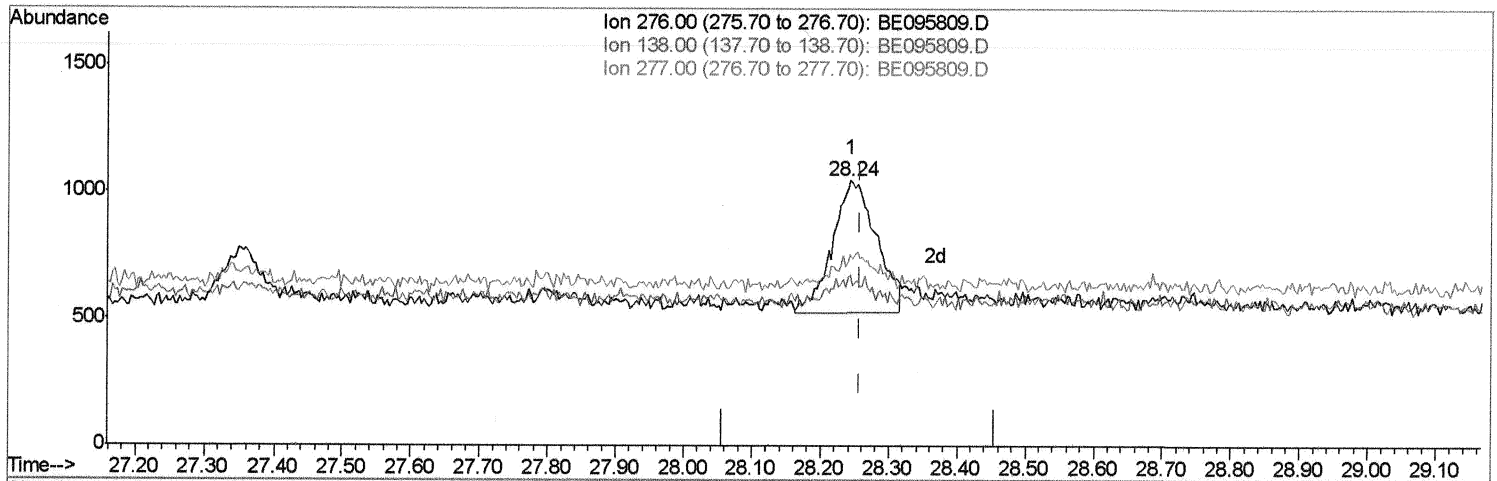
Instrument :

BE031318.M Fri Mar 16 13:58:54 2018

Quantitation Report (Qedit)

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:02:28 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 02:40:12 2018
 Response via : Initial Calibration



TIC: BE095809.D

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

28.243min (-0.014) 0.12ng/ul m> SJ 3/16/18

response 2352

Ion Exp% Act%

276.00 100 100

3/16/2018 2:20:41 PM 34.66#

SoHII 72.30#

APPROVED 100

Manual Integrations

F6F13DL

ClientSampled :

BNA_E

Instrument :

8.M Fri Mar 16 13:59:39 2018

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_E\Data\BE031518\
 Data File : BE095809.D
 Acq On : 15 Mar 2018 18:28
 Operator : SJ/JU
 Sample : J1835-14DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 14:05:40 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 02:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	1885	0.40	ng/ul	0.00
2) Naphthalene-d8	11.27	136	5408	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.03	164	2917	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.74	188	6482m	0.40	ng/ul	0.00
16) Chrysene-d12	21.83	240	6472m	0.40	ng/ul	0.00
20) Perylene-d12	24.49	264	6439	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.83	152	247	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.72	212	729m	0.04	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.33	128	1554	0.103	ng/ul#	85
5) 2-Methylnaphthalene	12.90	142	2821	0.269	ng/ul	97
12) Phenanthrene	17.78	178	8199m	0.422	ng/ul	
17) Pyrene	20.10	202	7916	0.322	ng/ul#	80
18) Benzo(a)anthracene	21.82	228	2887m	0.138	ng/ul	
19) Chrysene	21.87	228	4997m	0.235	ng/ul	
23) Benzo(a)pyrene	24.37	252	2364m	0.116	ng/ul	
26) Benzo(g,h,i)perylene	28.24	276	2352m	0.121	ng/ul	

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

3/16/2018 2:20:41 PM

Sohil

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Manual Integrations

F6F13DL

Client Sampled :

BNA_E

Instrument :

M Fri Mar 16 14:01:06 2018