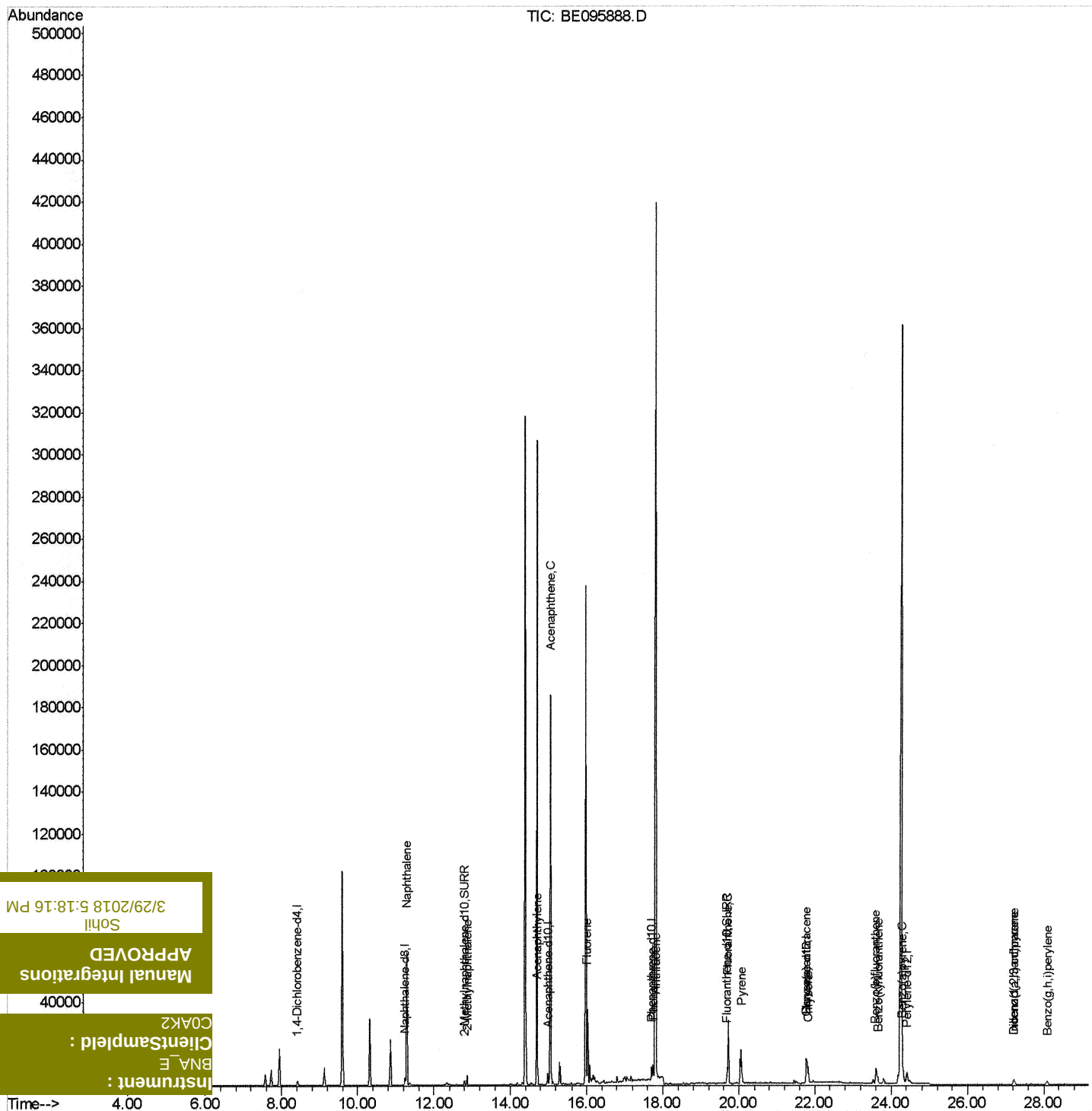


Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

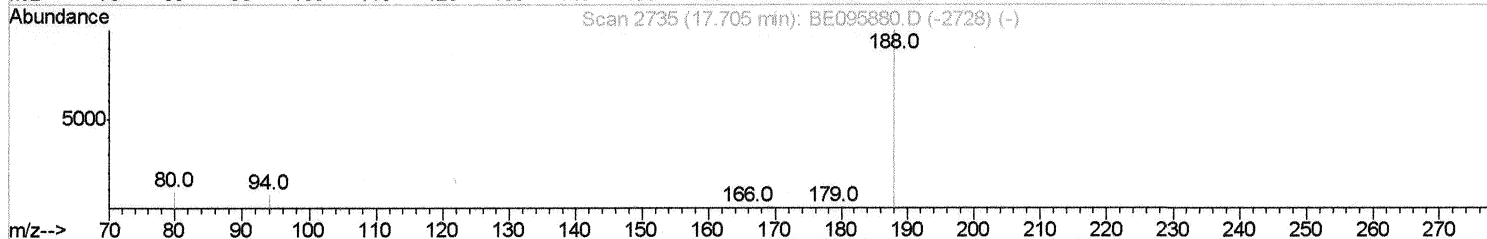
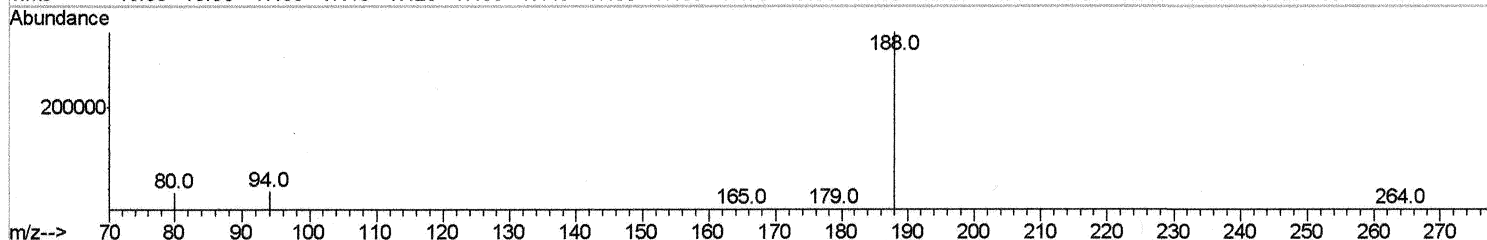
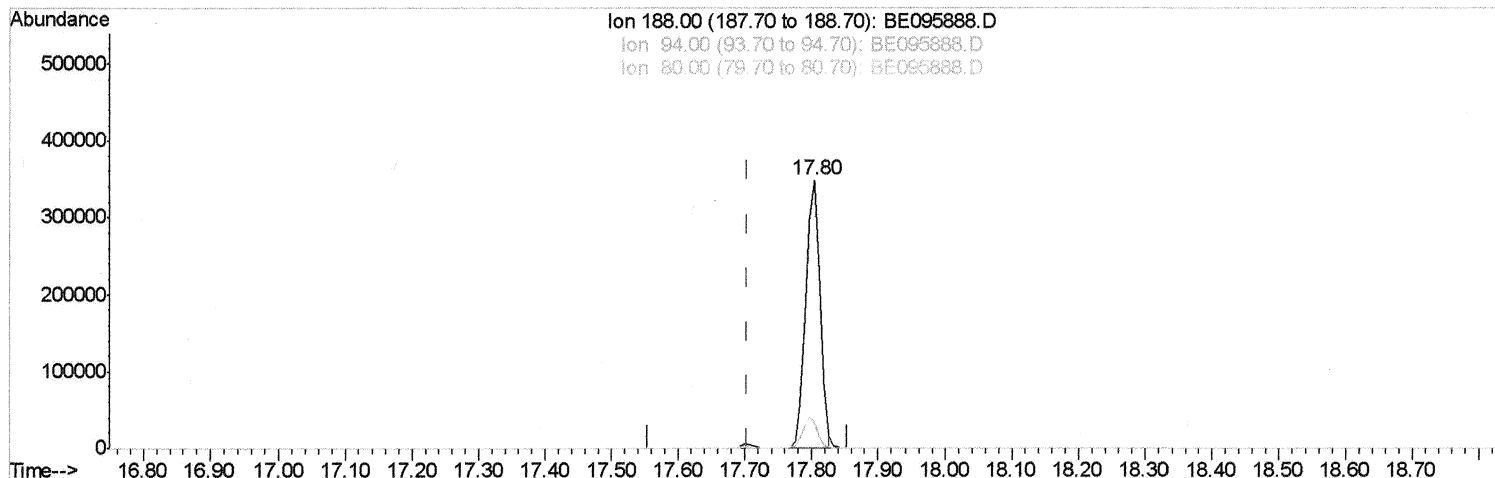
Quant Time: Mar 29 05:51:45 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 04:44:18 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(10) Phenanthrene-d10 (I)
 17.803min (+0.098) 0.40ng/ul
 response 509854

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

9.55

00.00

ClientSampled :

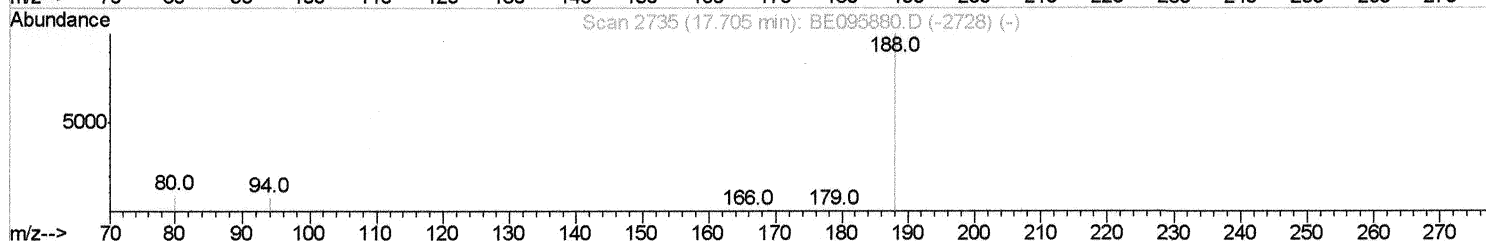
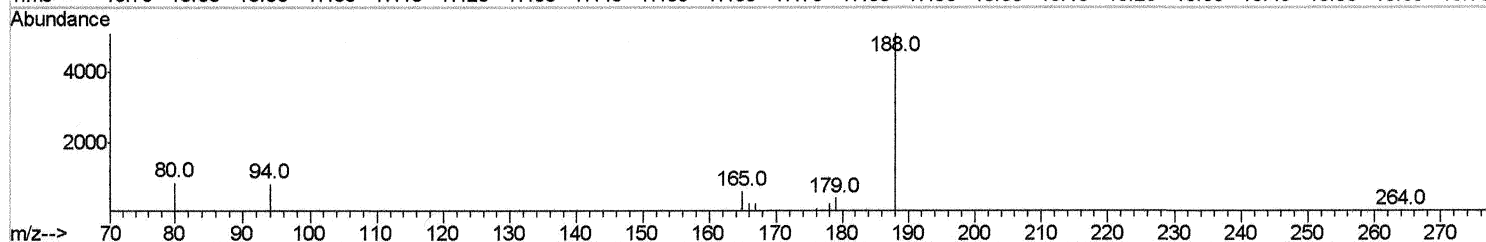
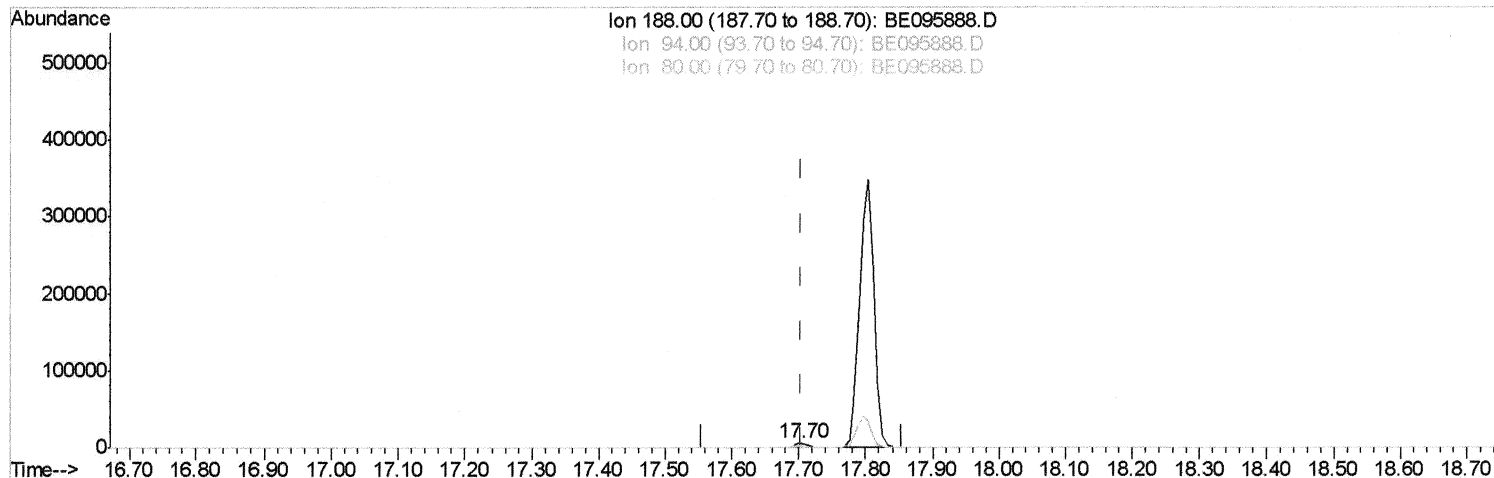
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 04:44:18 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(10) Phenanthrene-d10 (I)

17.704min (-0.000) 0.40ng/ul m

response 7425

JU 3/30/18

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

96.96%

COAK2

Client Sampled :

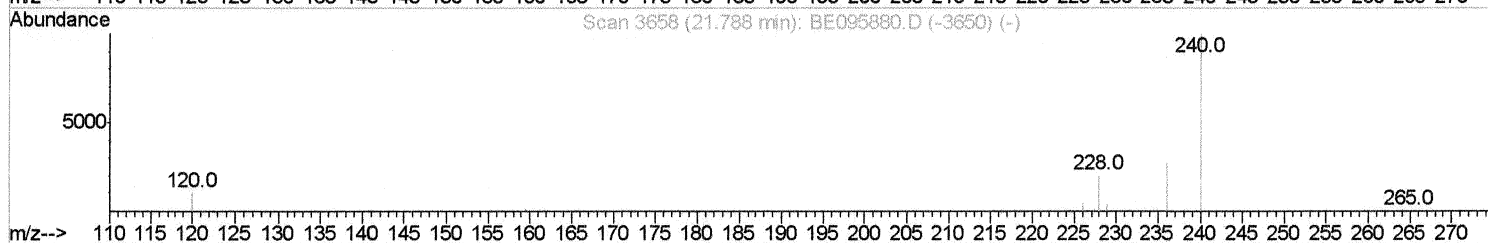
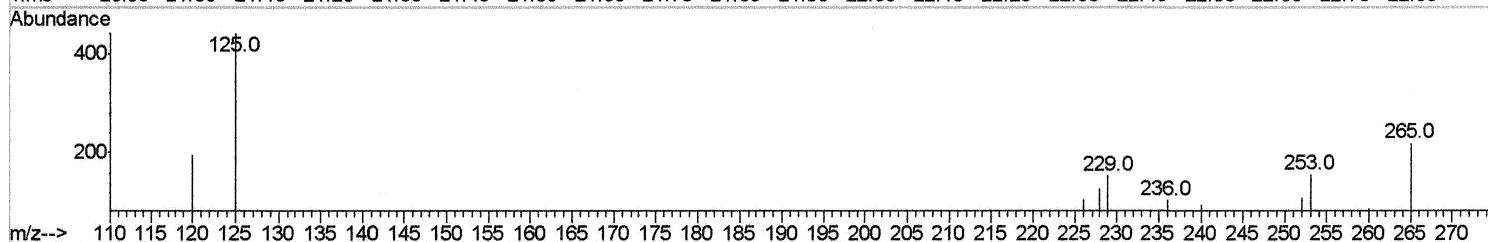
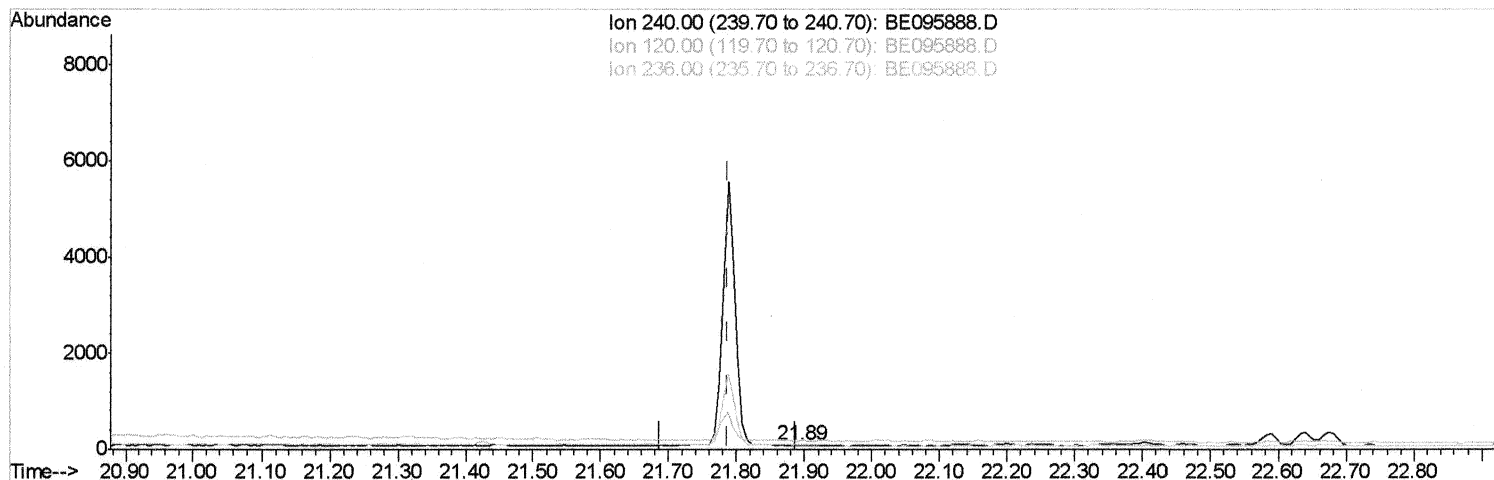
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 04:44:18 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(16) Chrysene-d12 (I)
 21.893min (+0.106) 0.40ng/ul
 response 19

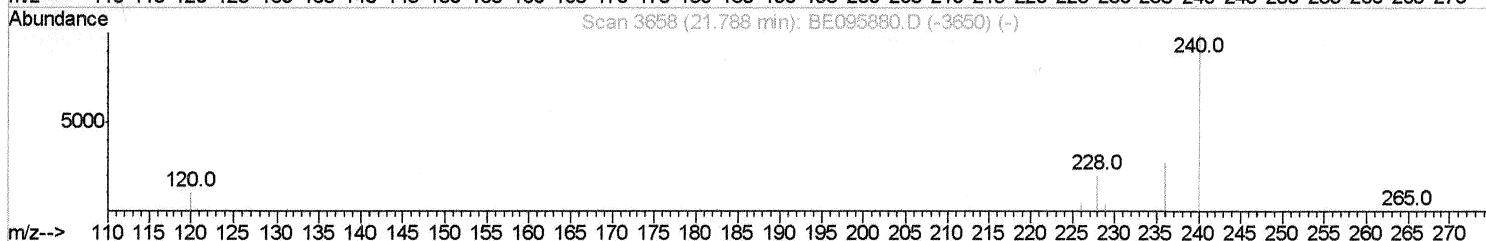
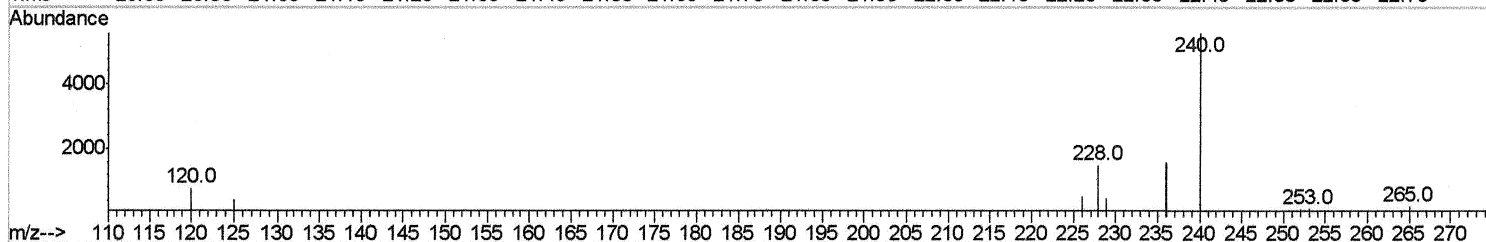
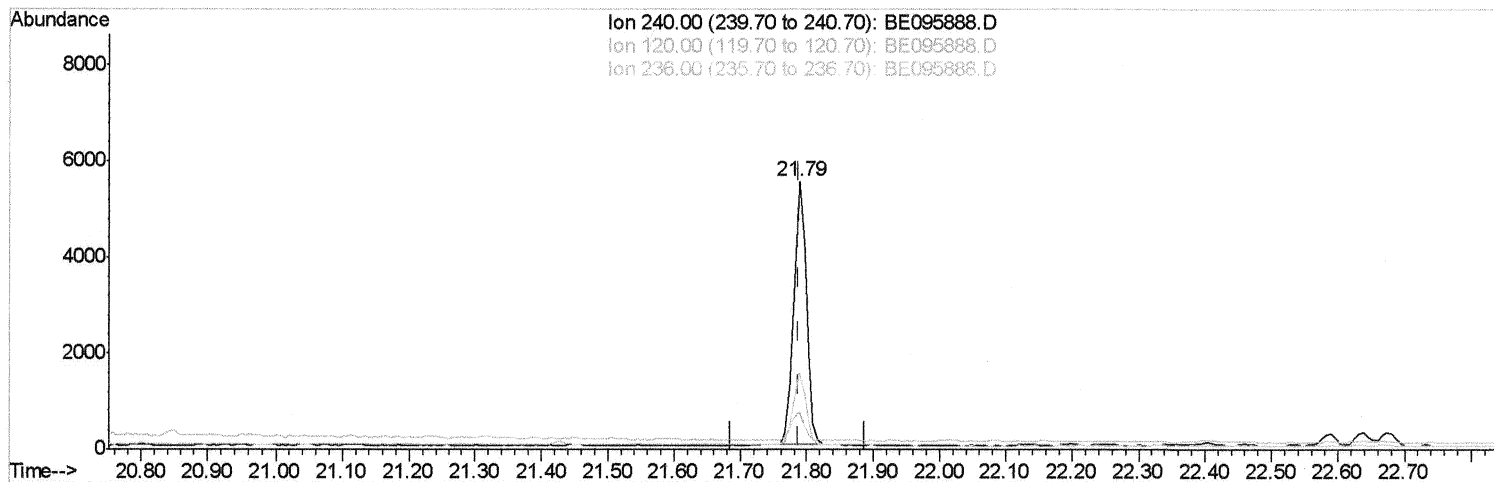
3/29/2018 5:18:16 PM
 SOH
 APPROVED
 Manual Integrations
 07.37#
 09.47#

Instrument :
 BNA_E
 ClientSampled :
 COAK2

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 04:44:18 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(16) Chrysene-d12 (I)
 21.788min (+0.000) 0.40ng/ul m
 response 7217

SU 3/30/18

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

28.66

00

Client Sampled :

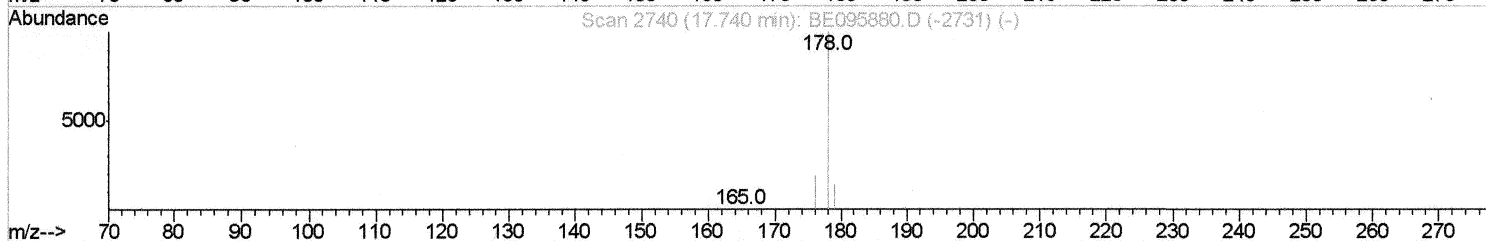
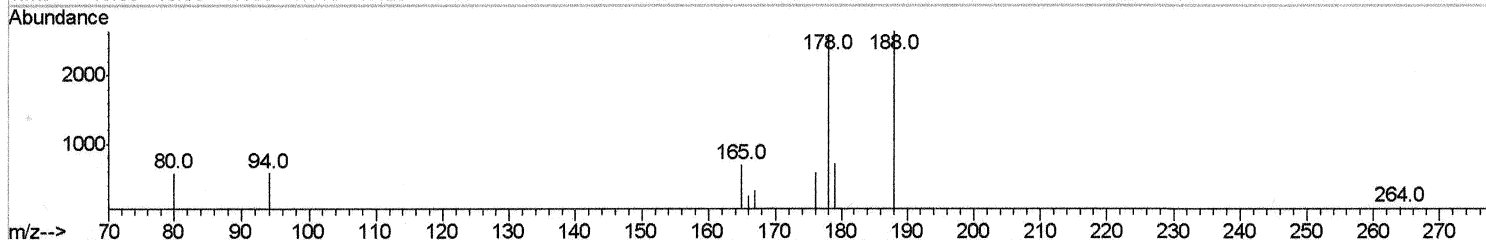
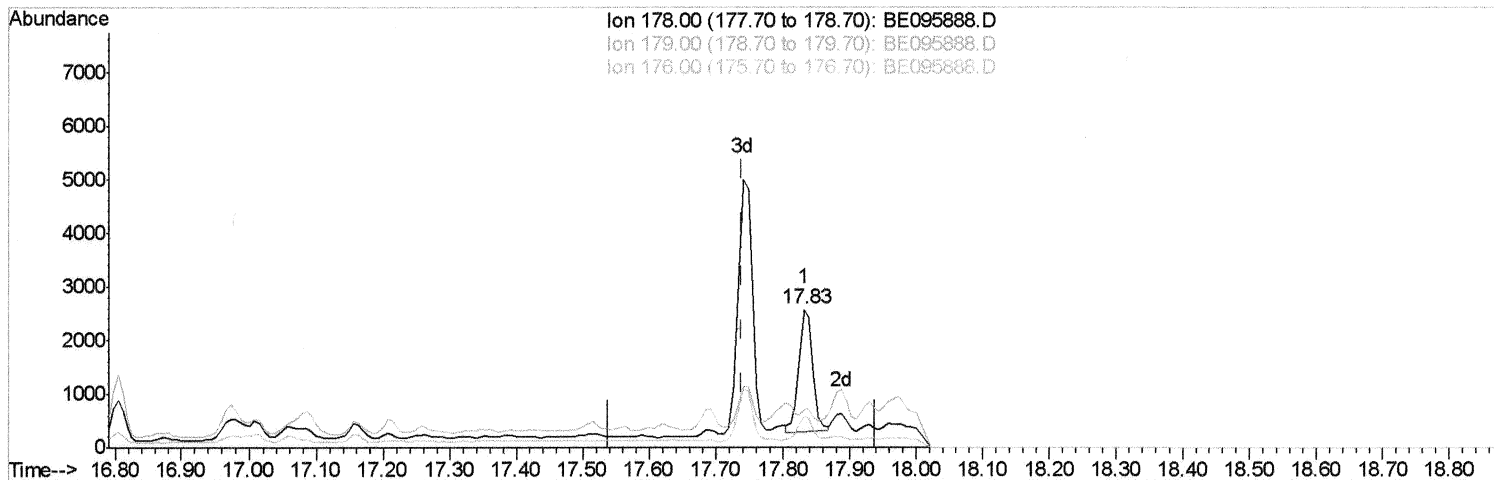
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(12) Phenanthrene

17.831min (+0.091) 0.15ng/ul

response 3306

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

17.831

17.831

Client Sampled :

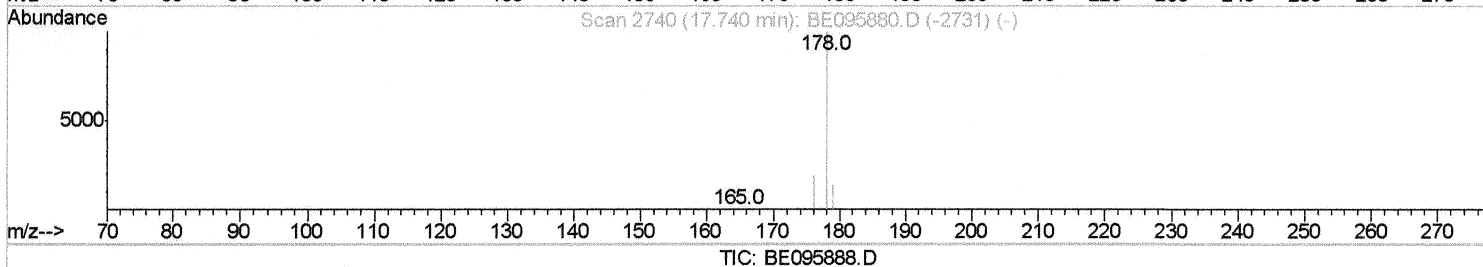
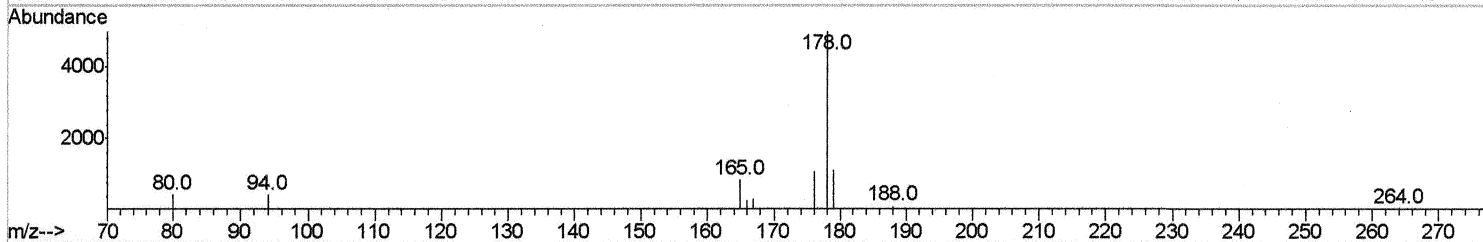
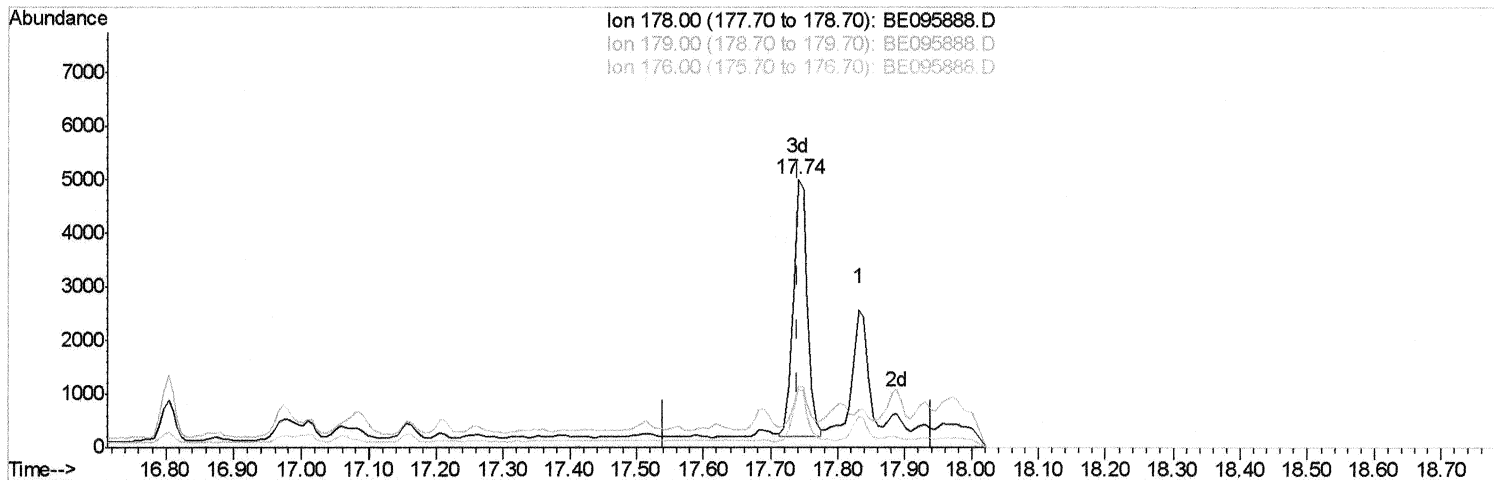
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



(12) Phenanthrene

17.740min (-0.000) 0.33ng/ul m

response 7251

JU 3/30/18

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

17.740 21.94#

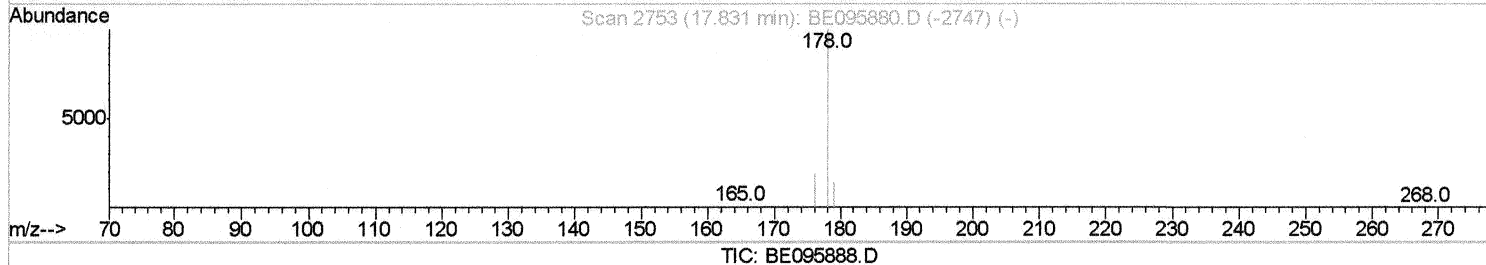
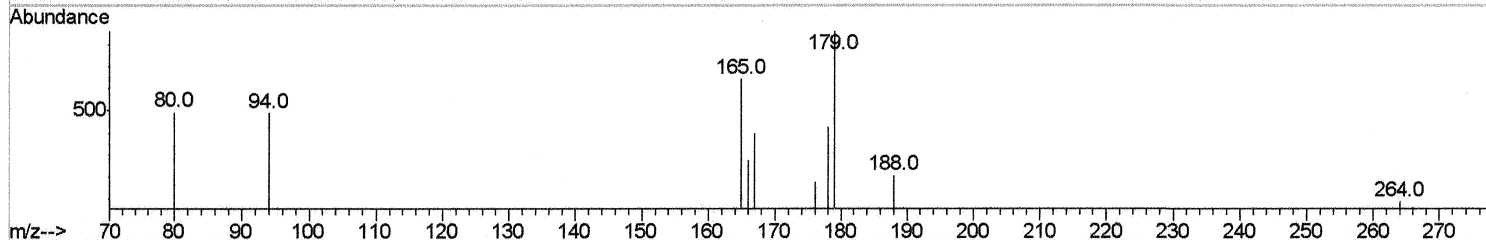
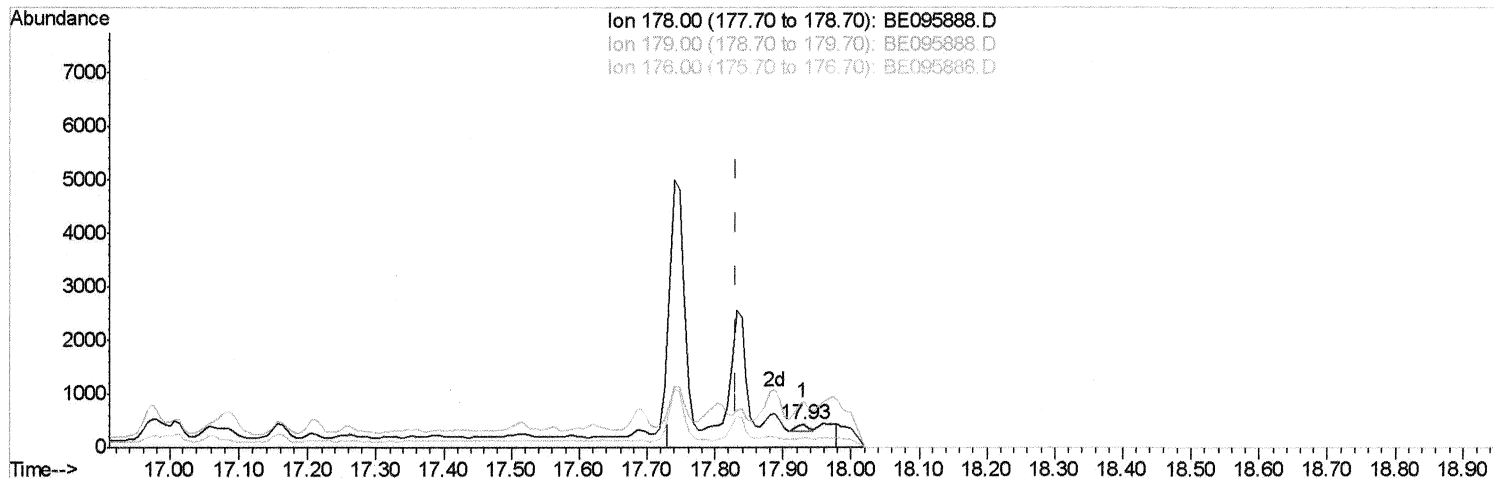
ClientSampled : BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



(13) Anthracene
 17.930min (+0.098) 0.01ng/ul
 response 176

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

17.930 41.45#

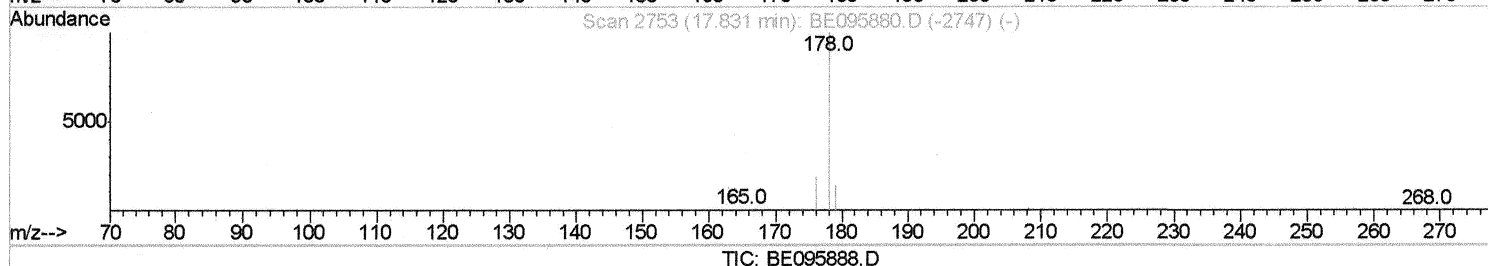
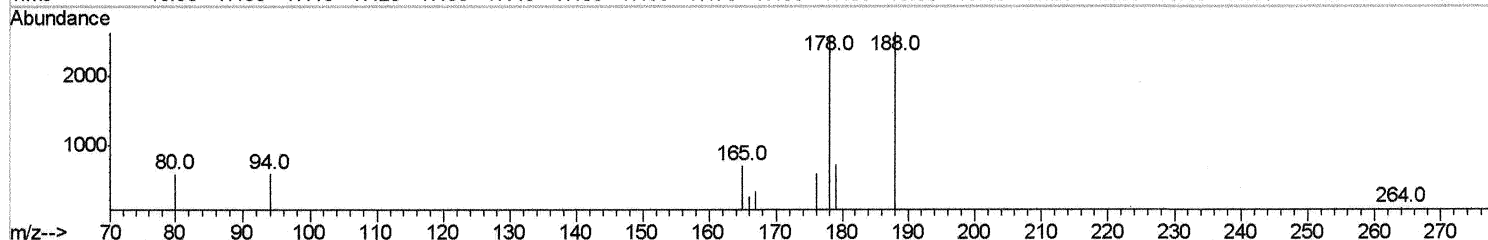
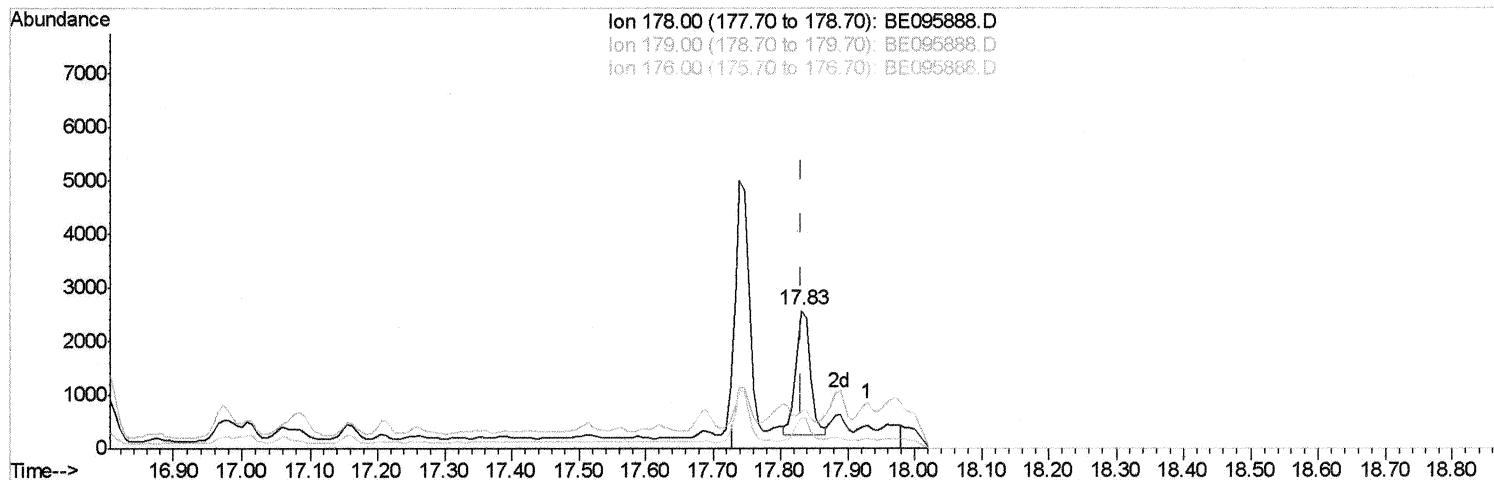
ClientSampled : BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



(13) Anthracene

17.831min (-0.000) 0.16ng/ul m

response 3426

JU 3/30/18

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

22.74#

22.74#

ClientSampled :

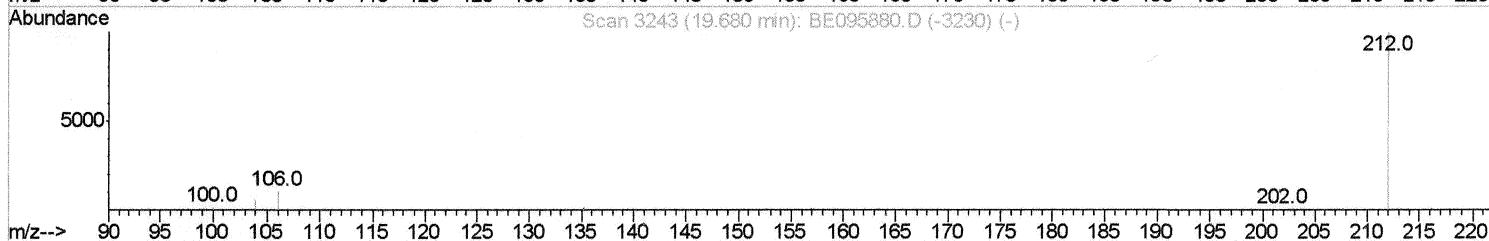
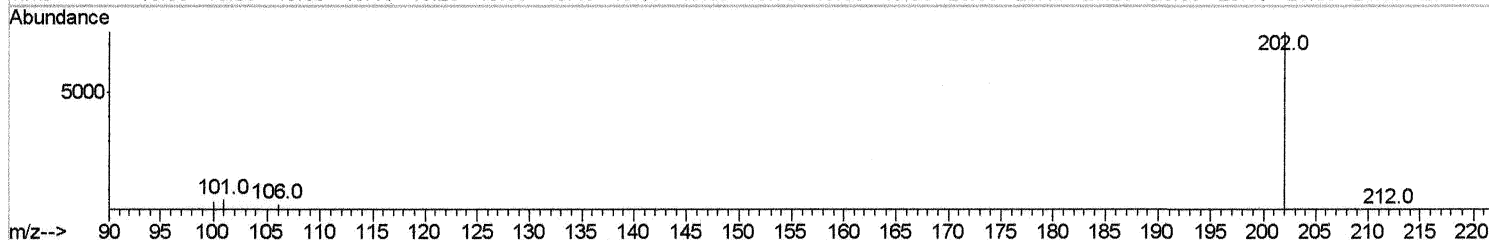
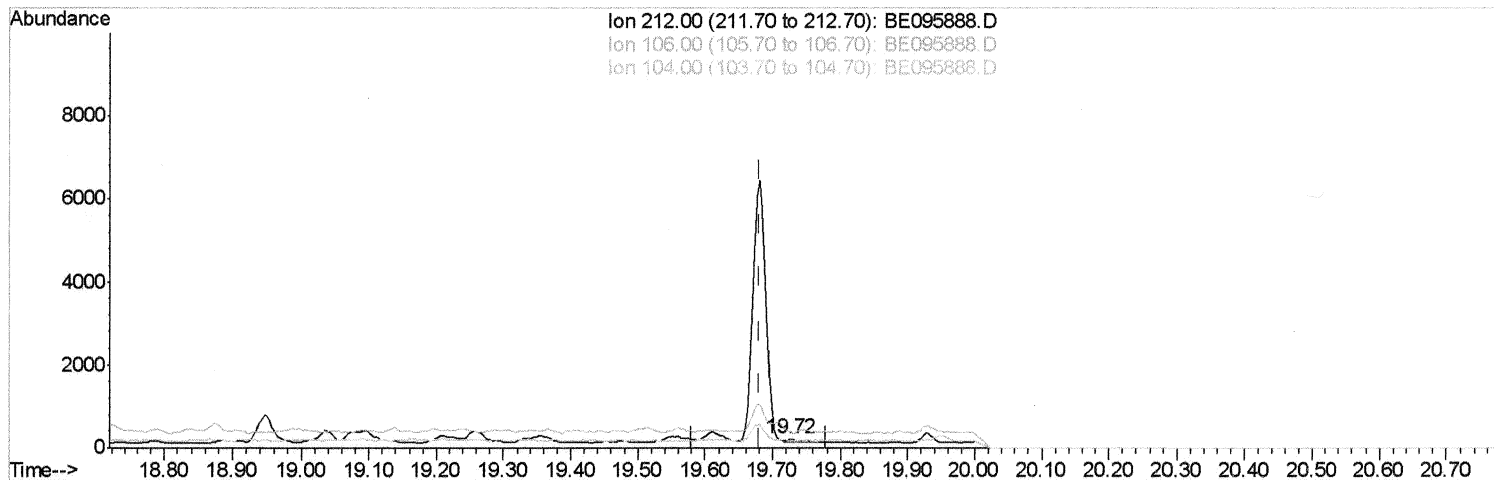
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(14) Fluoranthene-d10 (SURR)

19.723min (+0.042) 0.00ng/ul

response 97

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

104.00 35.05#

COAK2 00

ClientSampled :

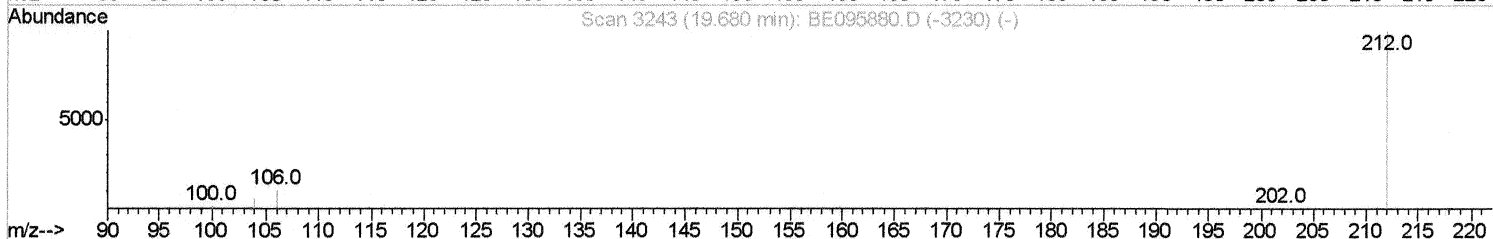
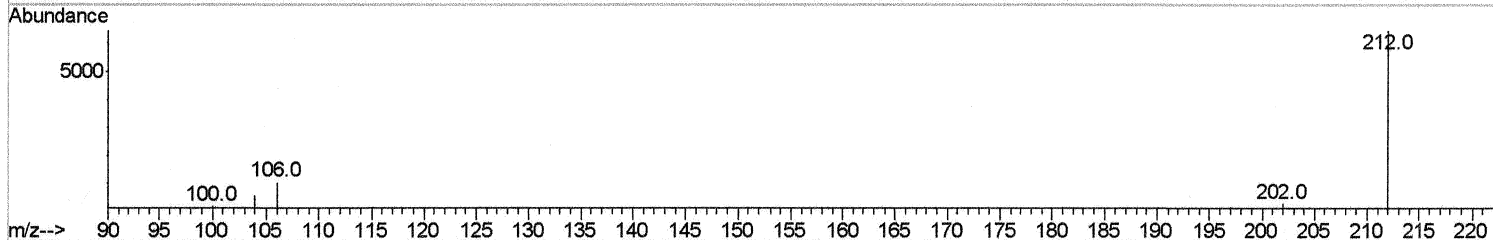
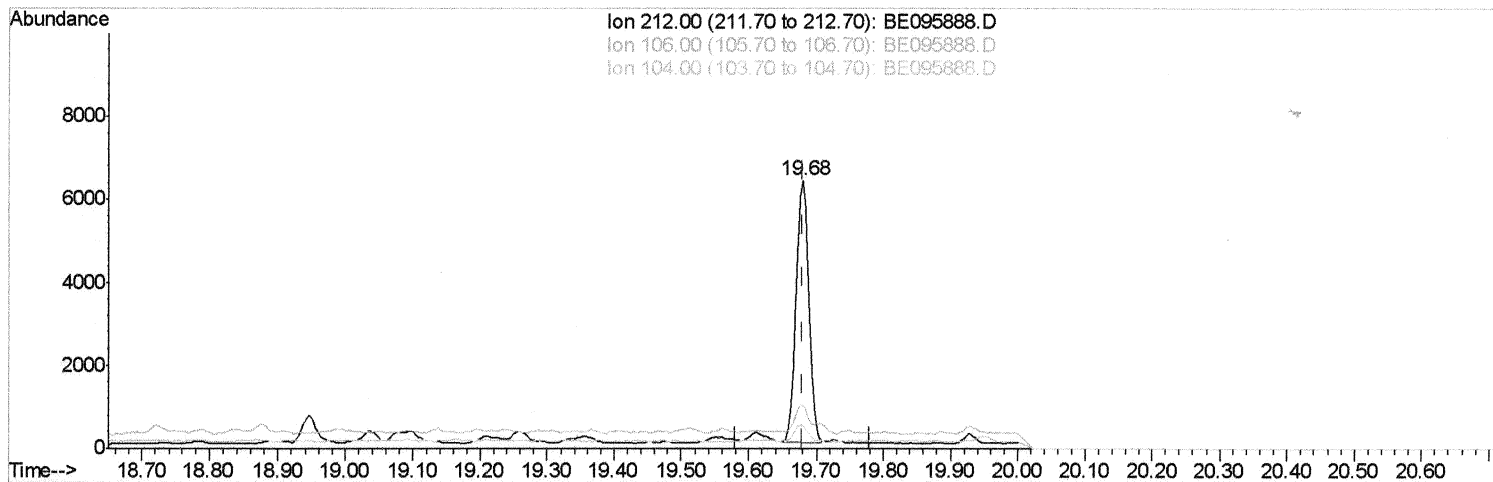
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(14) Fluoranthene-d10 (SURR)
 19.680min (-0.001) 0.35ng/ul m
 response 8320

JU 3/30/18

3/29/2018 5:18:16 PM

Sohil

Manual Integrations
 APPROVED

0.41#

0000

ClientSampled :

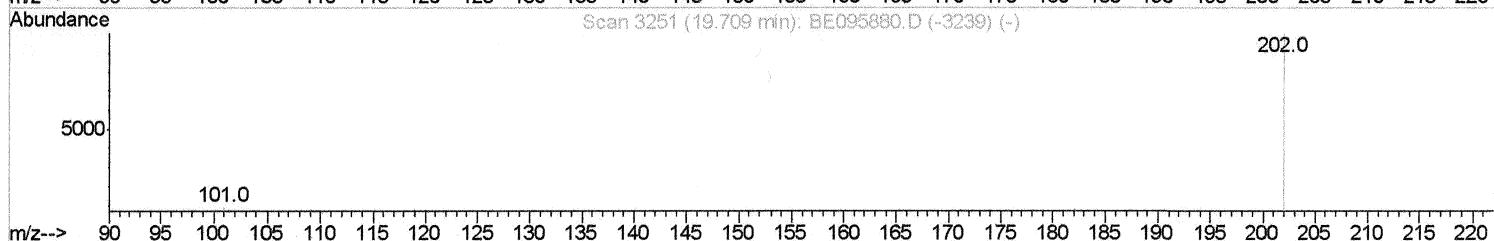
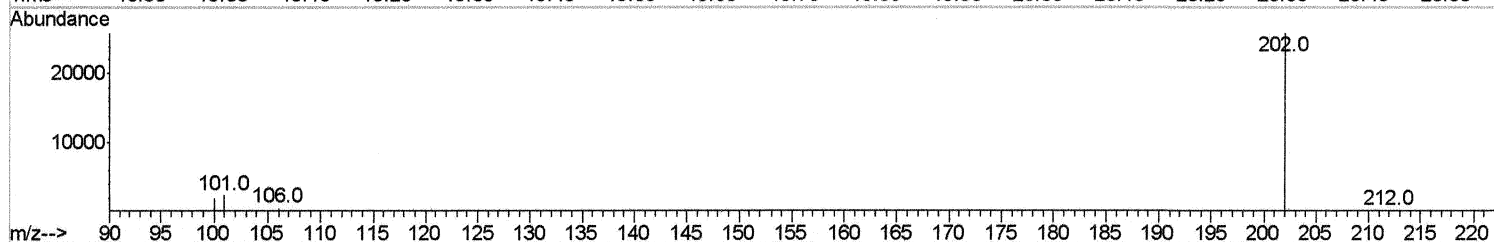
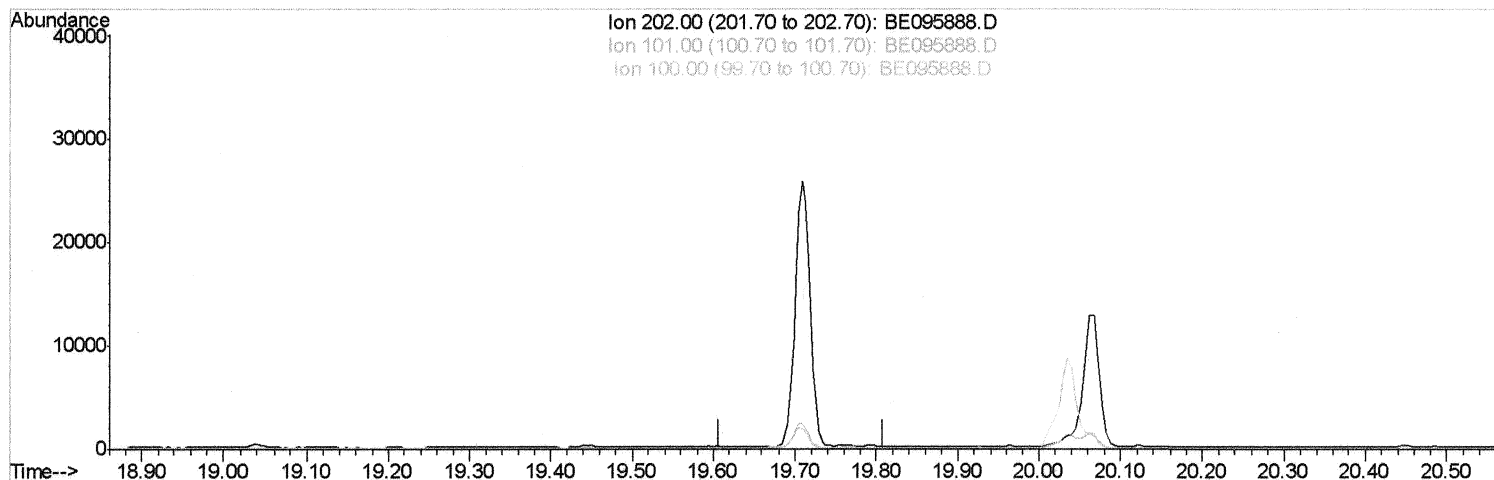
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



(15) Fluoranthene (C)
 19.709min (-19.709) 0.00ng/ul
 response 0

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

0.00

0.00

0.00

0.00

0.00

0.00

0.00

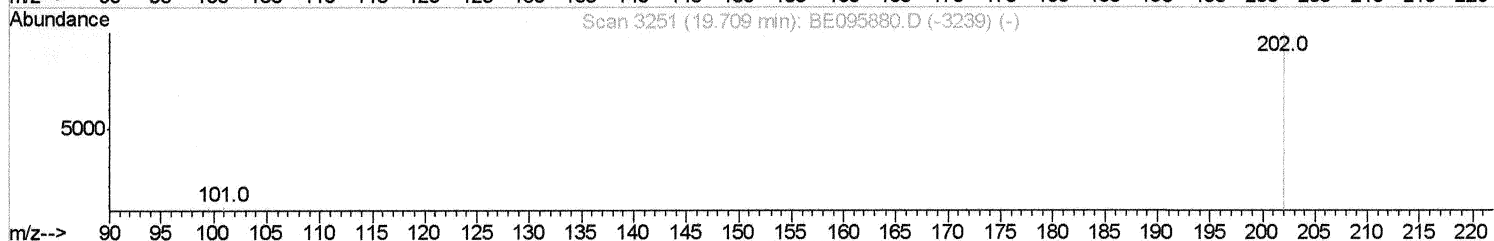
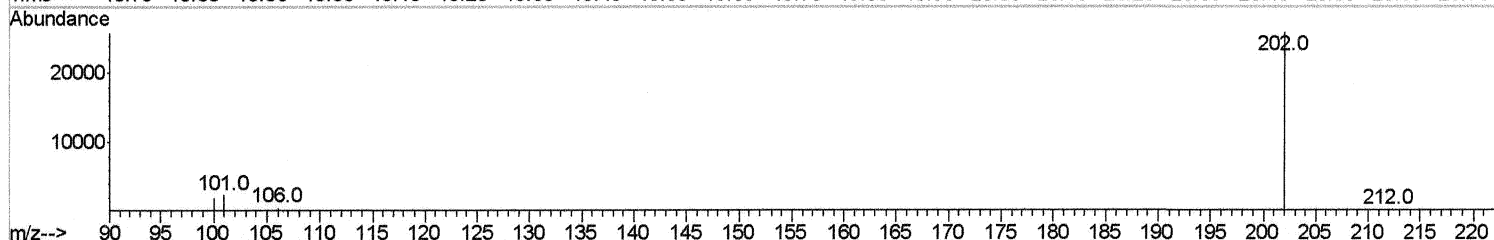
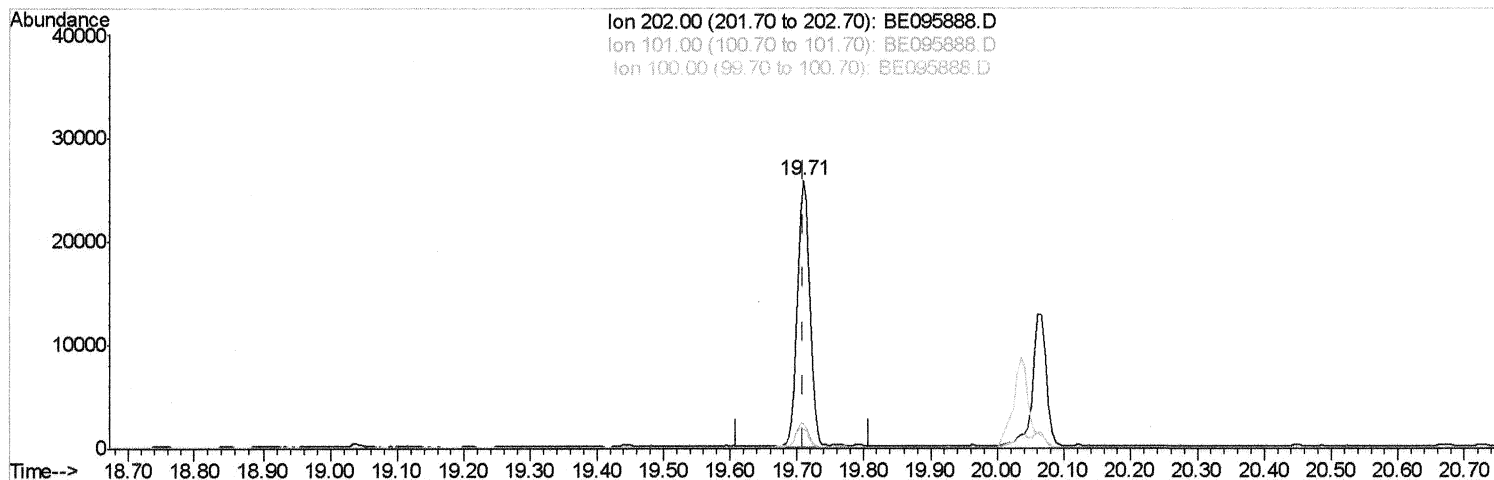
0.00

0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(15) Fluoranthene (C)

19.708min (-0.001) 1.22ng/ul m

response 32944

JU 3/30/18

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

10.00

7.90

00.00

Client Sampled :

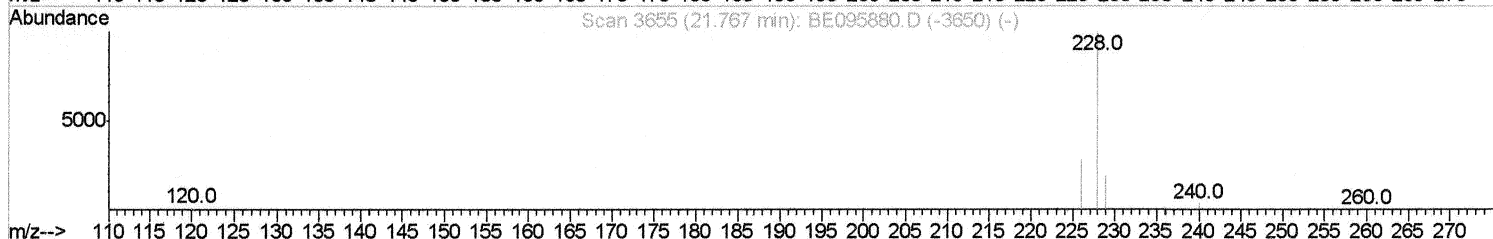
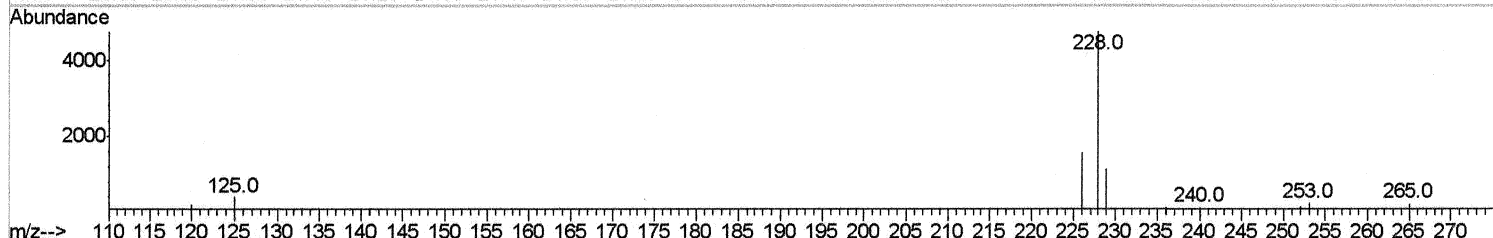
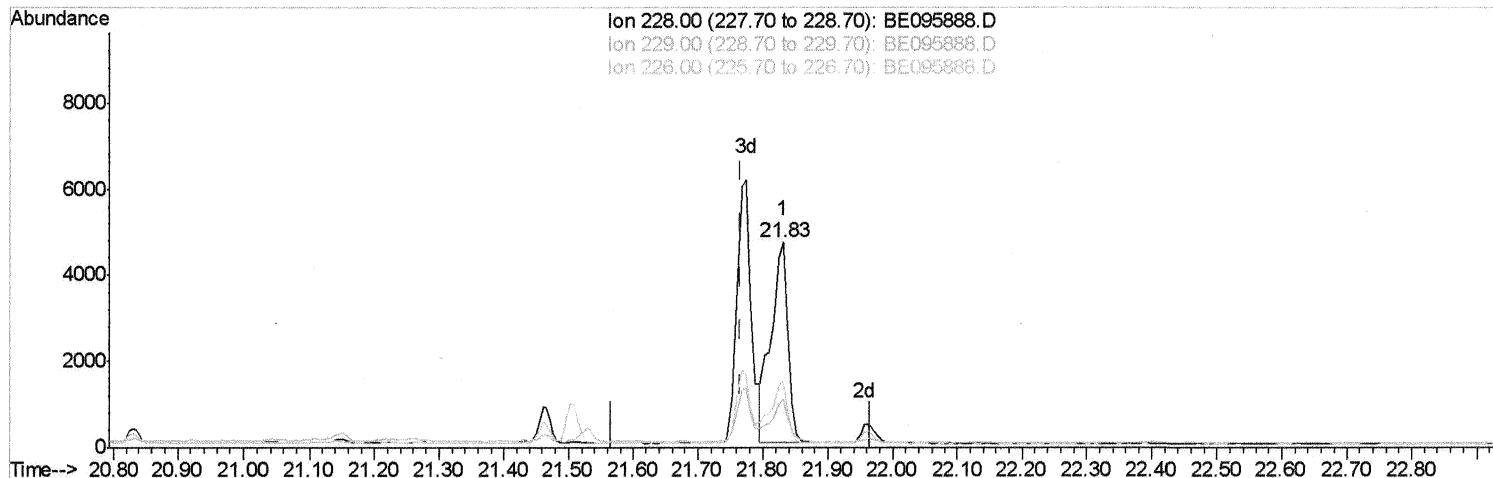
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(18) Benzo(a)anthracene
 21.830min (+0.063) 0.37ng/ul
 response 8515

3/29/2018 5:18:16 PM

SOH

APPROVED

Manual Integrations

228.00 21.83 32.86#

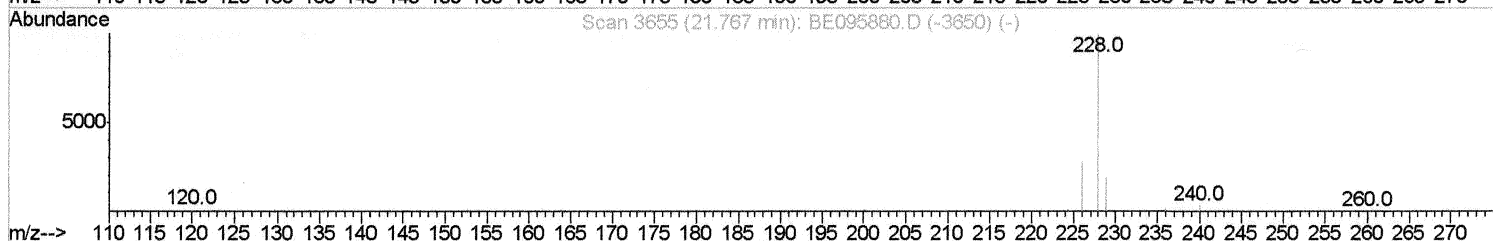
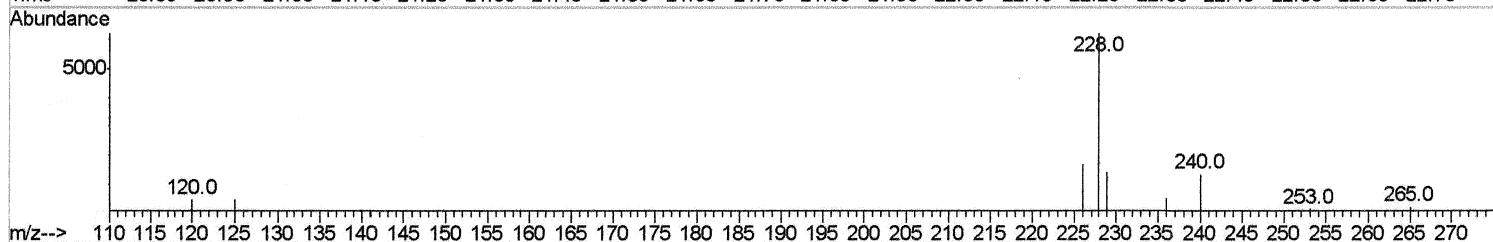
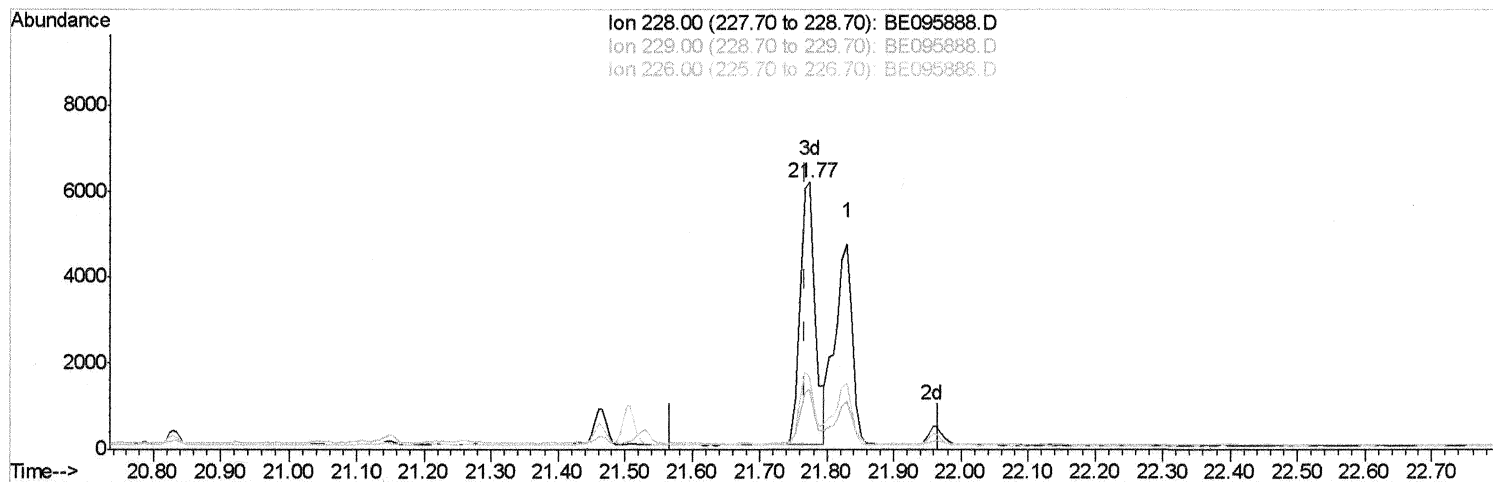
Client Sampled :
 BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



(18) Benzo(a)anthracene
 21.774min (+0.007) 0.41ng/ul m
 response 9574

JU 3/30/18

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

22.62#

27.25#

00

Client Sampled :

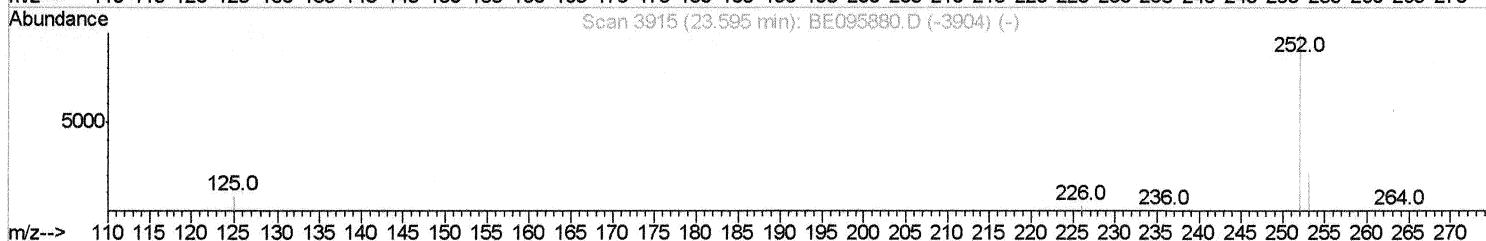
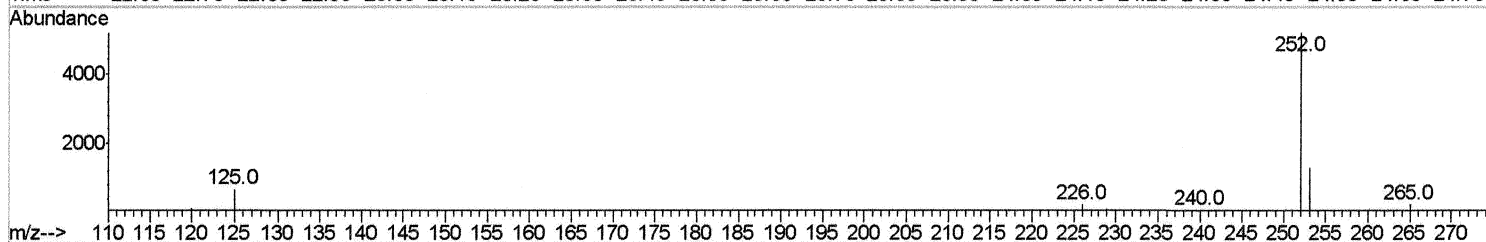
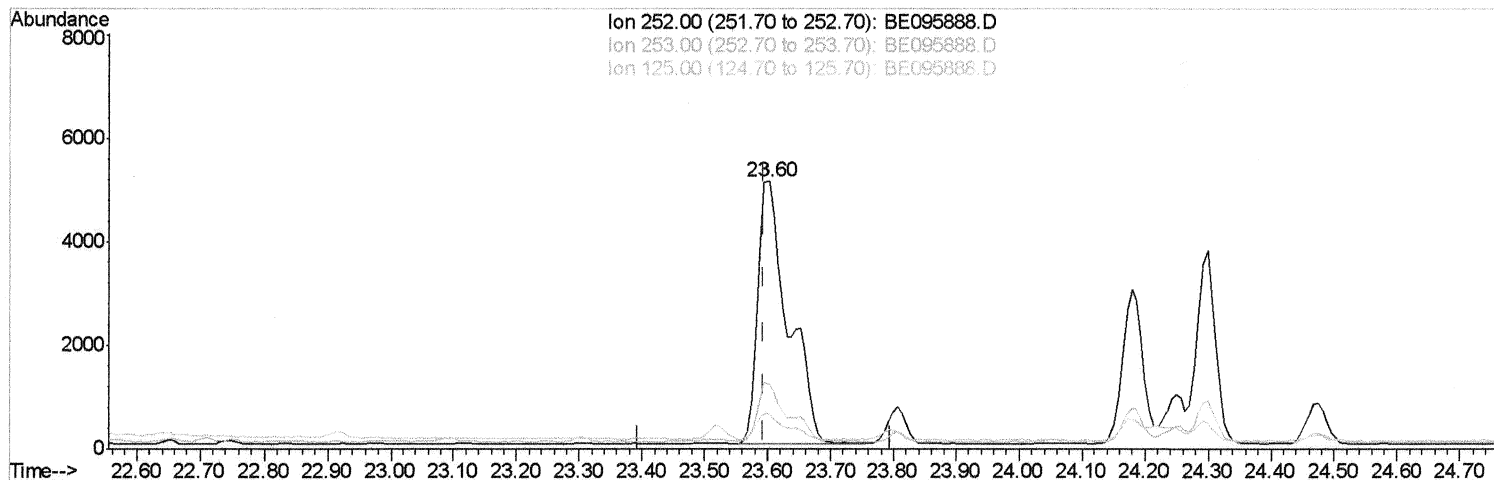
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(21) Benzo(b)fluoranthene
 23.602min (+0.007) 0.54ng/ul
 response 16825

3/29/2018 5:18:16 PM

Sohil

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Manual Integrations

125.00 13.06

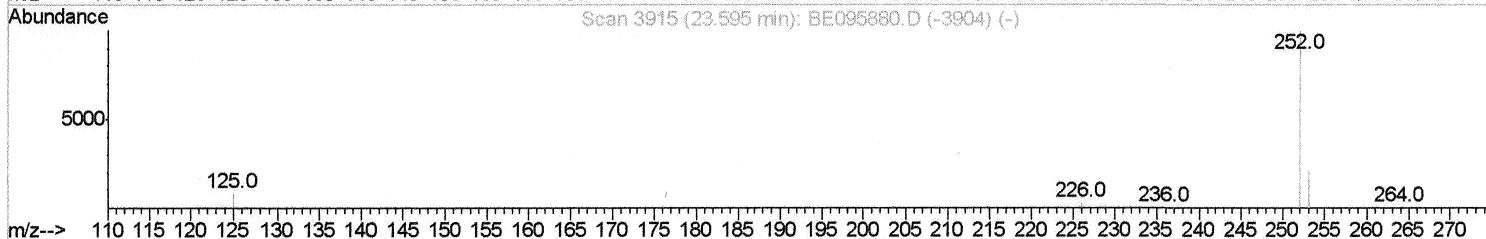
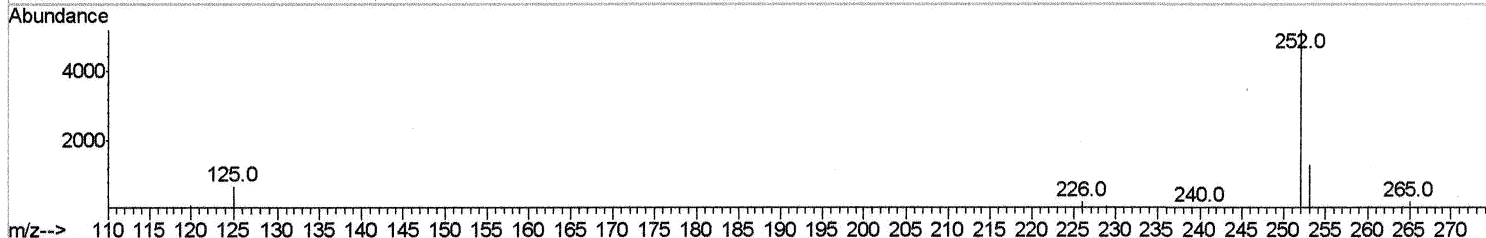
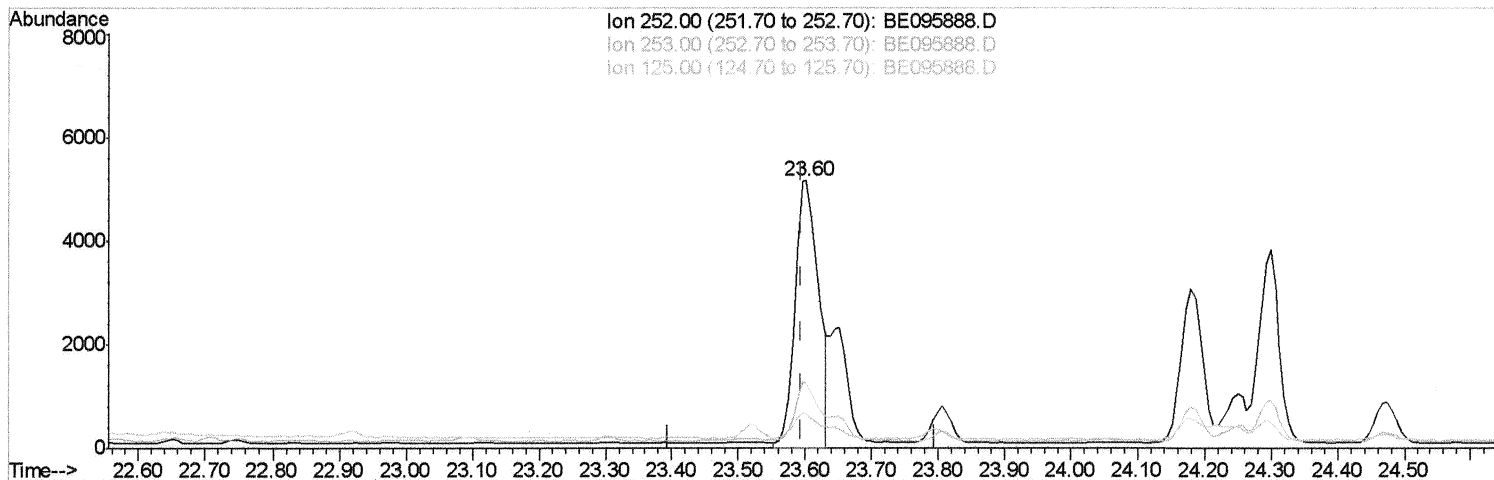
Client Sampled : BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(21) Benzo(b)fluoranthene

23.602min (+0.007) 0.42ng/ul m

response 12942

JU 3/30/18

3/29/2018 5:18:16 PM

Sohil

APPROVED

Manual Integrations

125.00 13.06

COAK2 00

Client Sampled :

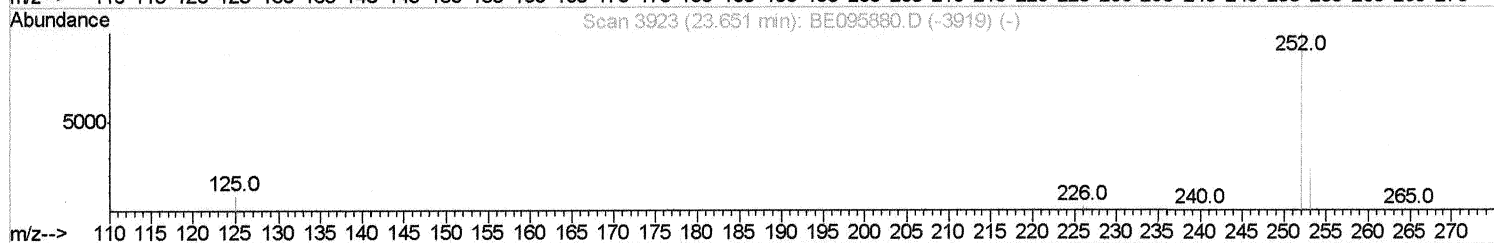
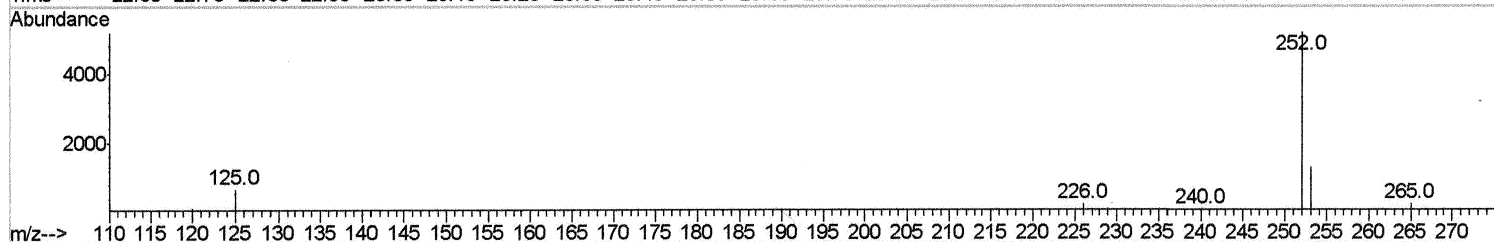
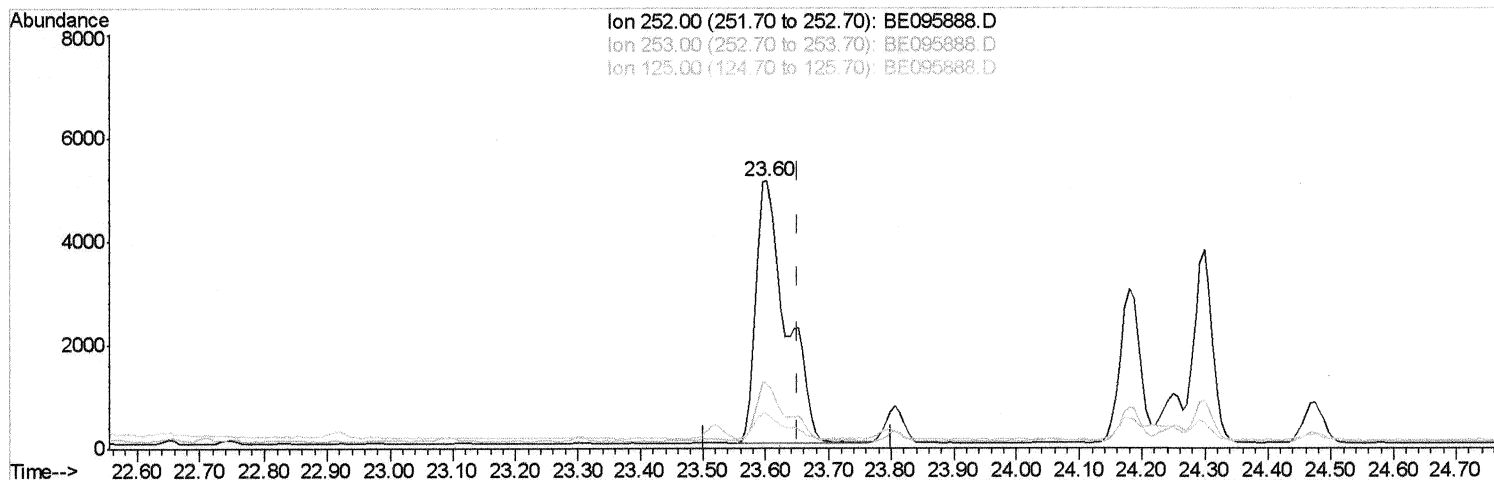
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(22) Benzo(k)fluoranthene

23.602min (-0.049) 0.57ng/ul

response 16828

3/29/2018 5:18:16 PM

Sohil

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Manual Integrations

125.00 17.10 13.06#

ClientSampled :

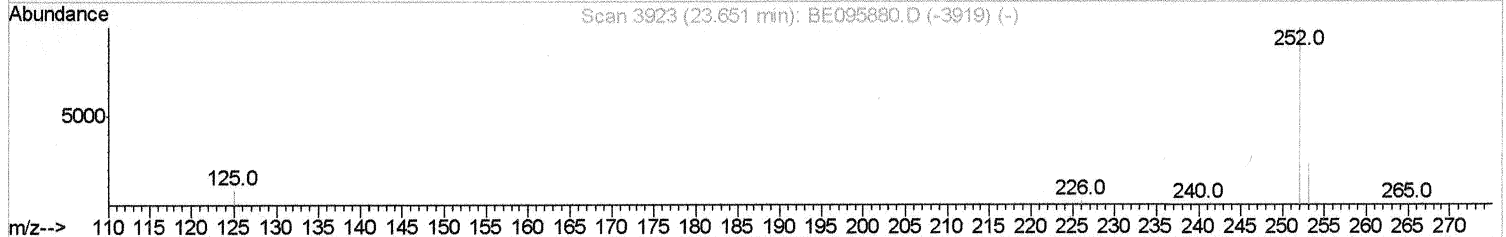
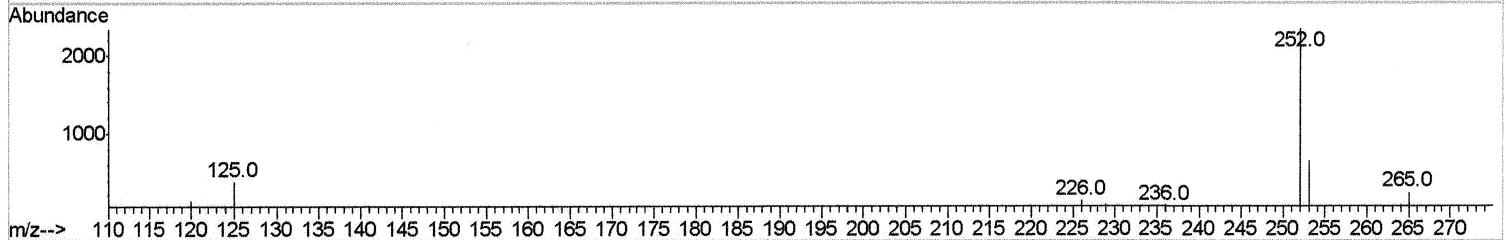
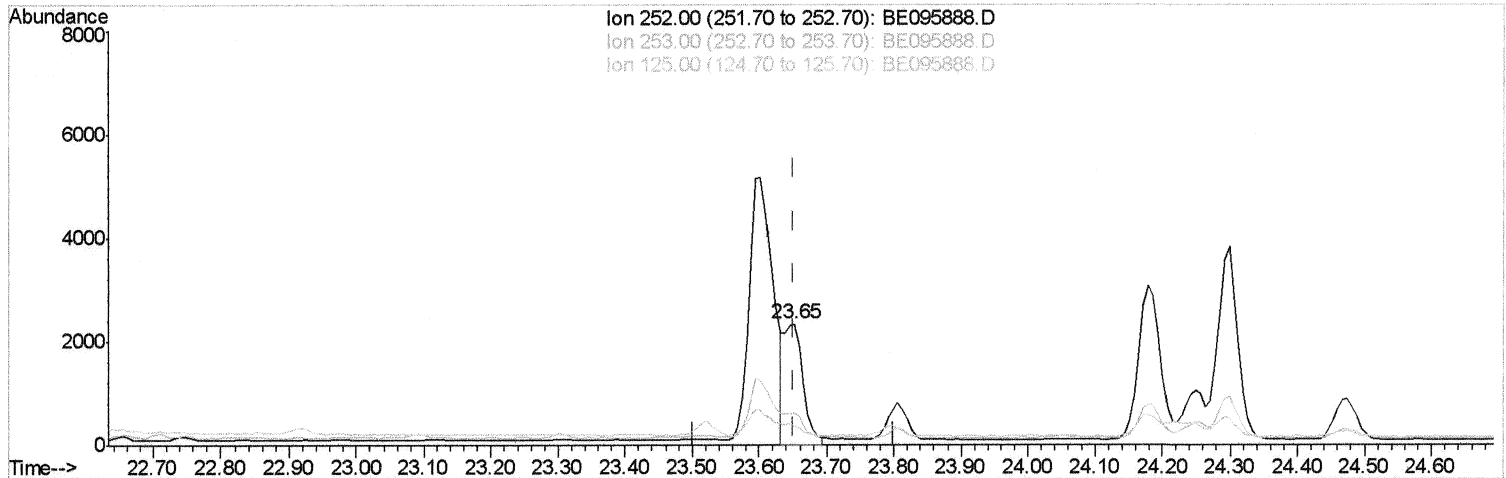
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:49:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration



TIC: BE095888.D

(22) Benzo(k)fluoranthene

23.651min (+0.000) 0.16ng/ul m

response 4695

JU 3/30/18

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Manual Integrations

125.00 17.11 16.15

Client Sampled : BNA_E

Instrument :

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\
 Data File : BE095888.D
 Acq On : 28 Mar 2018 21:54
 Operator : SJ/JU
 Sample : J2059-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 29 05:51:45 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 29 04:43:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1660	0.40	ng/ul	0.00
2) Naphthalene-d8	11.24	136	4625	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.00	164	3152	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.70	188	7425m	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	7217m	0.40	ng/ul	0.00
20) Perylene-d12	24.41	264	8973	0.40	ng/ul	0.00

> JU 3/30/18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.79	152	2706	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.68	212	8320m	0.35	ng/ul	0.00

JU 3/30/18

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.29	128	84715	6.561	ng/ul#	88
5) 2-Methylnaphthalene	12.87	142	3919	0.437	ng/ul	99
7) Acenaphthylene	14.73	152	2192	0.138	ng/ul#	89
8) Acenaphthene	15.06	153	107342	8.956	ng/ul	96
9) Fluorene	16.02	166	23251	1.788	ng/ul#	90
12) Phenanthrene	17.74	178	7251m	0.326	ng/ul	
13) Anthracene	17.83	178	3426m	0.165	ng/ul	
15) Fluoranthene	19.71	202	32944m	1.223	ng/ul	
17) Pyrene	20.07	202	21905	0.799	ng/ul#	78
18) Benzo(a)anthracene	21.77	228	9574m	0.411	ng/ul	
19) Chrysene	21.83	228	8463	0.357	ng/ul	95
21) Benzo(b)fluoranthene	23.60	252	12942m	0.416	ng/ul	
22) Benzo(k)fluoranthene	23.65	252	4695m	0.159	ng/ul	
23) Benzo(a)pyrene	24.30	252	7793	0.275	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.21	276	4674	0.149	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.22	278	1389	0.055	ng/ul#	83
26) Benzo(a,h,i)perylene	28.09	276	5000	0.185	ng/ul	94

} JU 3/30/18

JU 3/30/18

> JU 3/30/18

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

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Manual Integrations
 APPROVED

Instrument : BNA_E
 Client Sampled : COAK2