

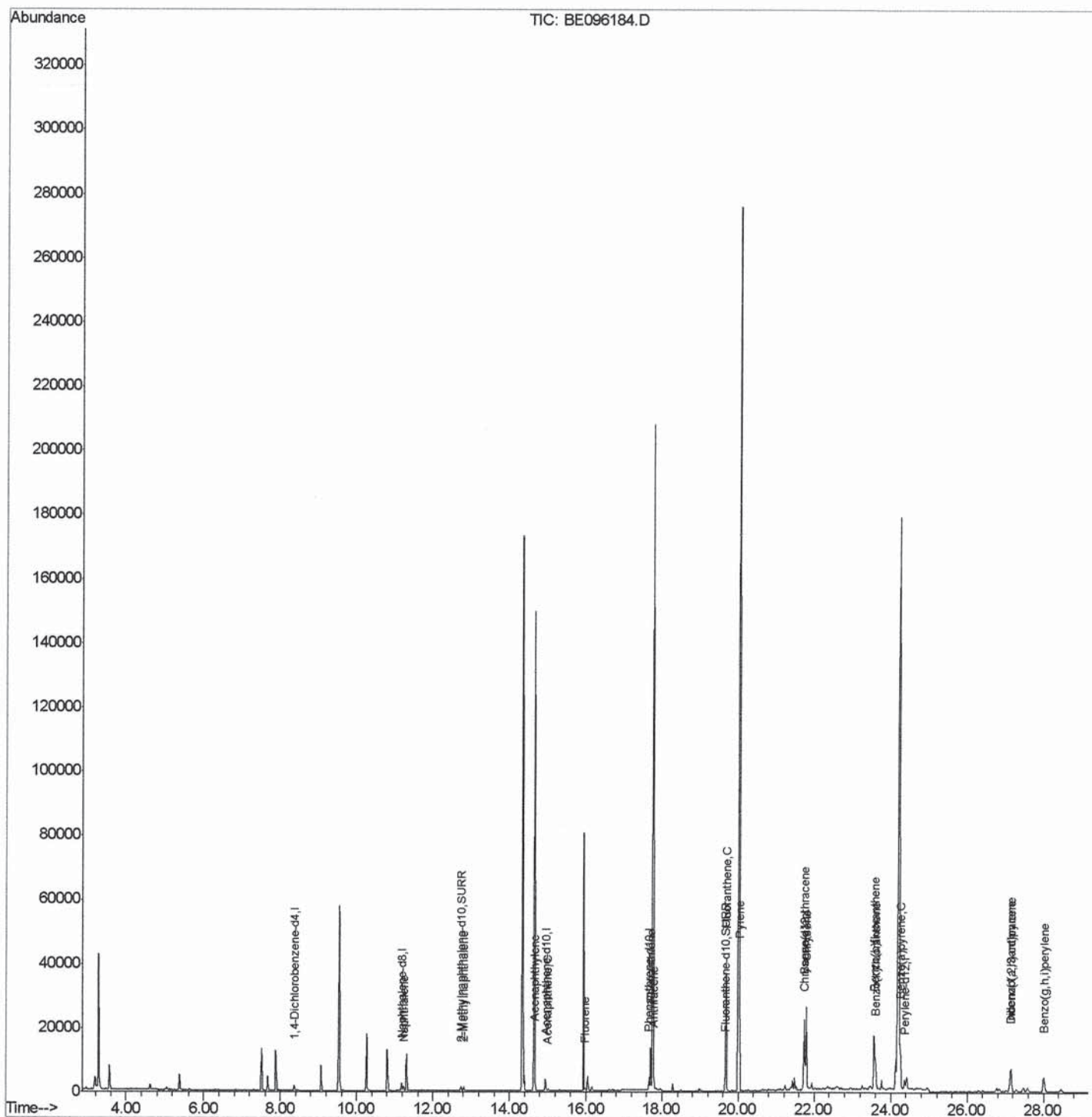
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:18:18 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Qlast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

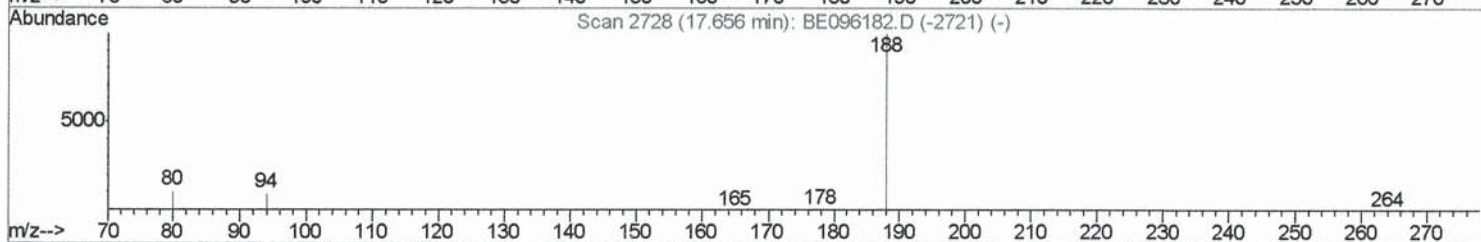
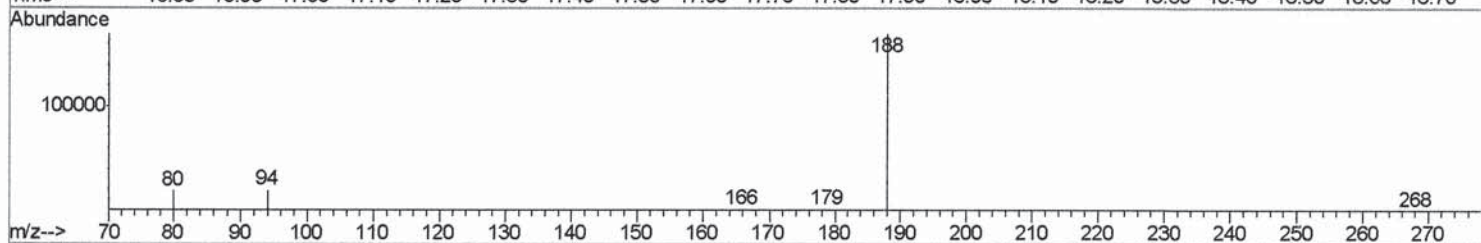
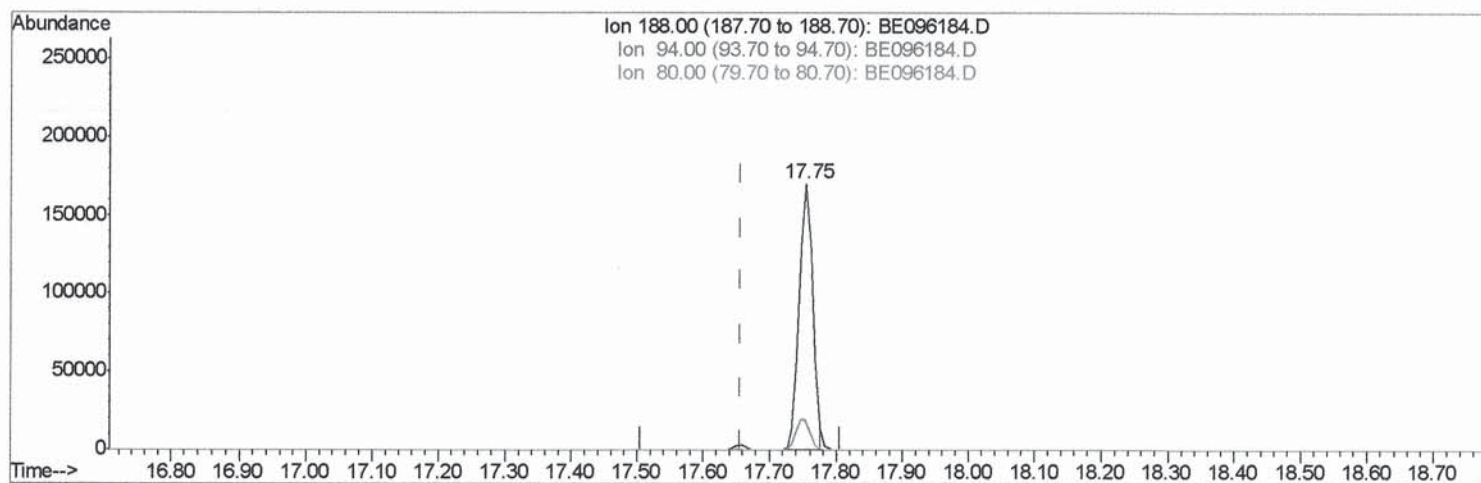
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 04:59:40 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



TIC: BE096184.D

(10) Phenanthrene-d10 (I)

17.754min (+0.097) 0.40ng/ul

response 241140

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	11.24
80.00	11.80	10.72
0.00	0.00	0.00

Quantitation Report (Qedit)

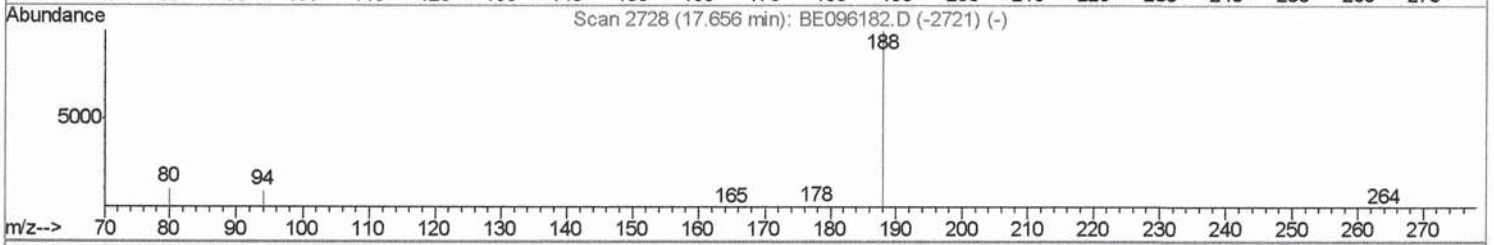
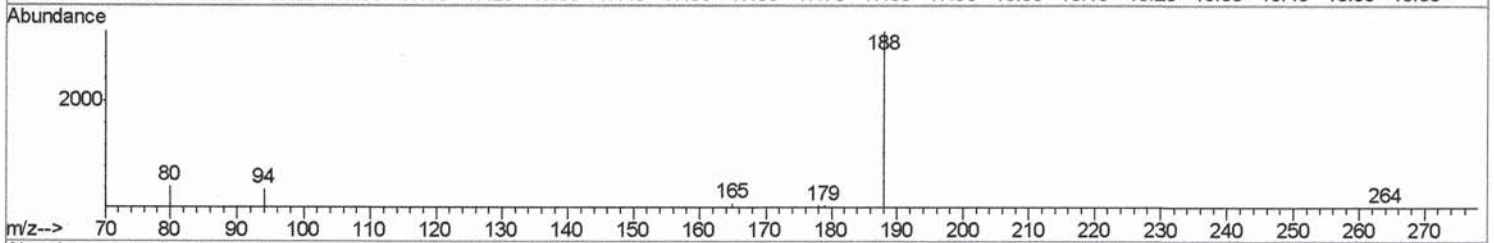
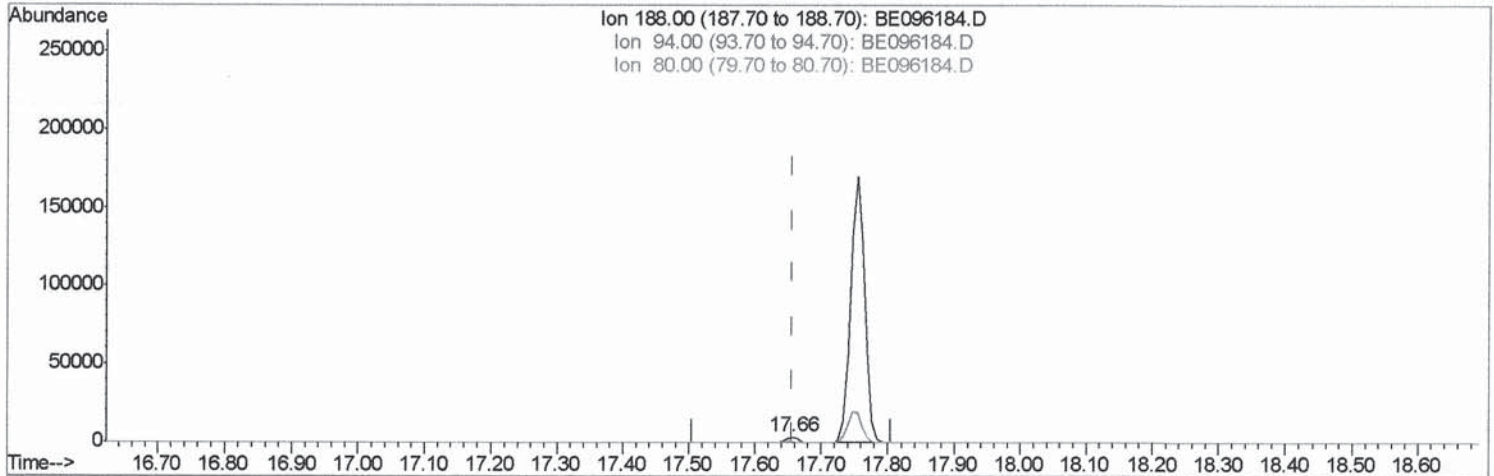
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 04:59:40 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



TIC: BE096184.D

(10) Phenanthrene-d10 (I)

17.655min (-0.001) 0.40ng/ul m > SJ 5/1/18

response 4430

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	11.84
80.00	11.80	13.03
0.00	0.00	0.00

Quantitation Report (Qedit)

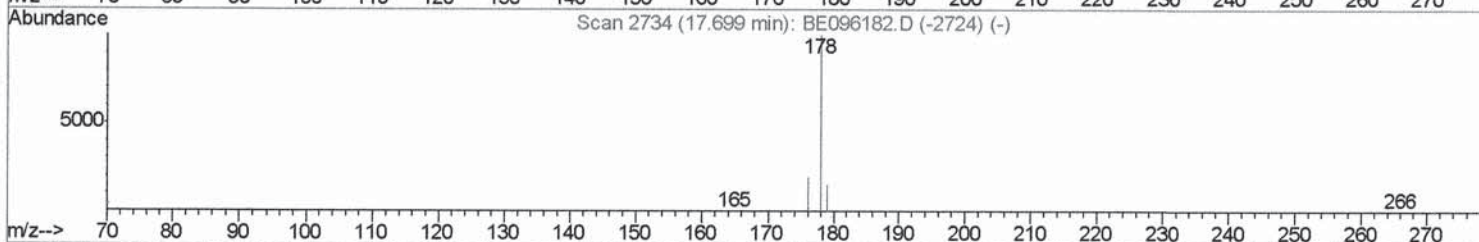
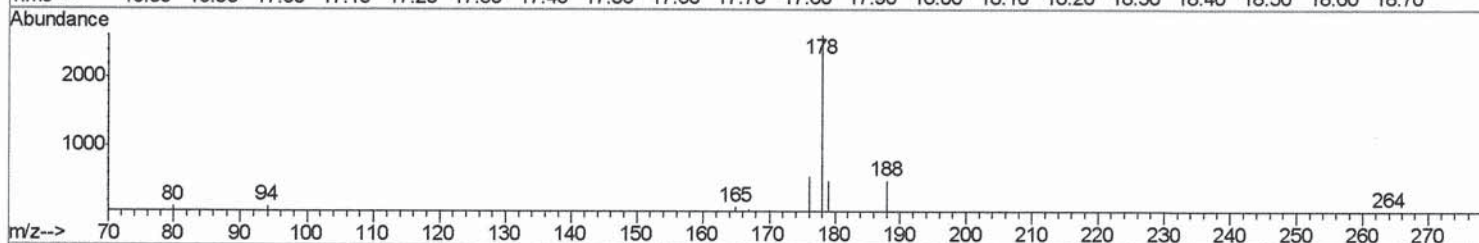
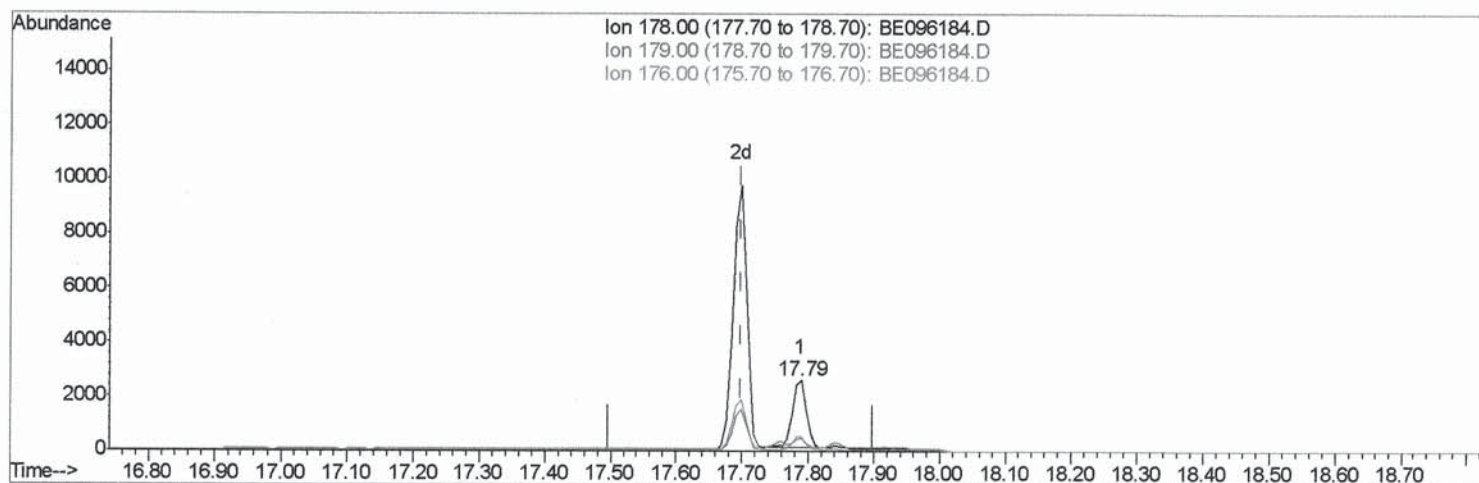
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



TIC: BE096184.D

(12) Phenanthrene

17.789min (+0.090) 0.28ng/ul

response 3652

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	18.24#
176.00	17.00	21.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

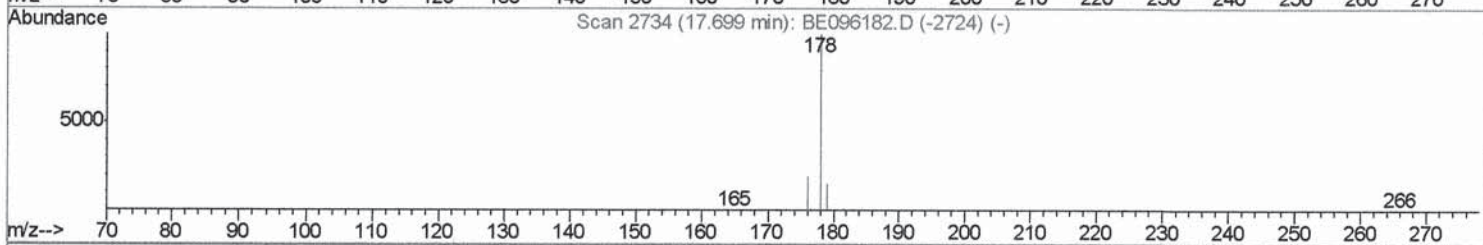
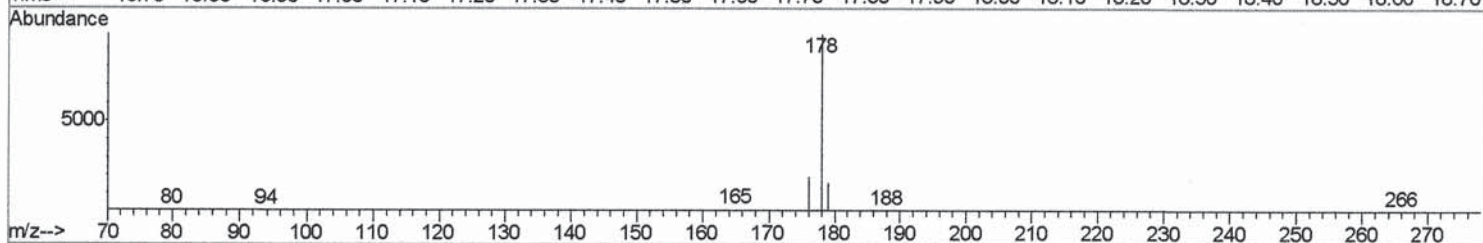
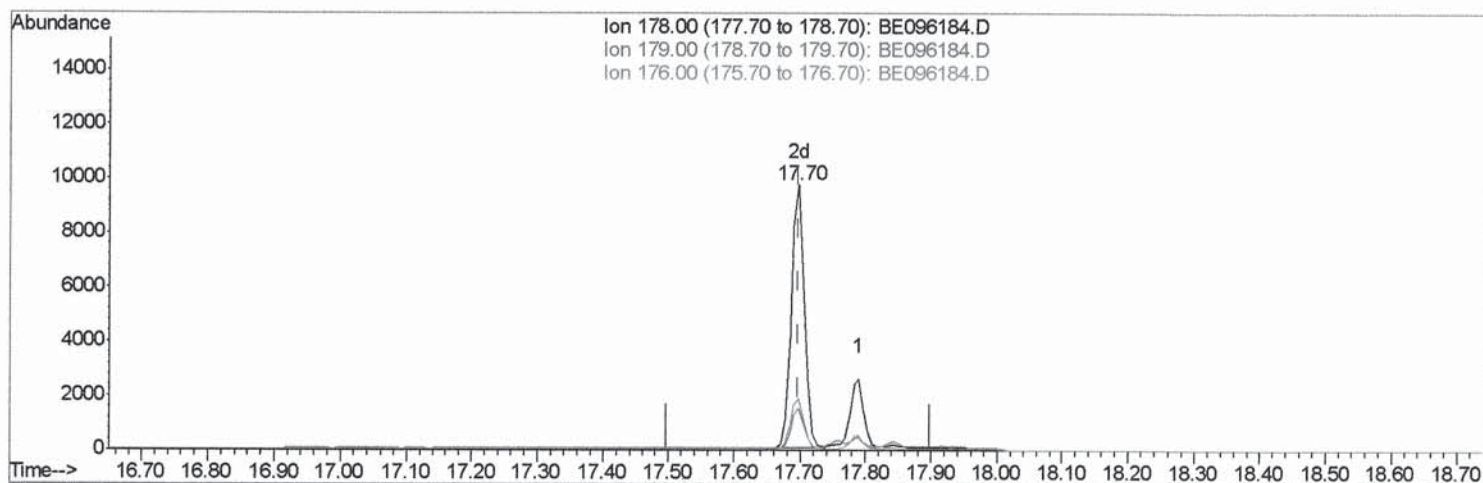
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



TIC: BE096184.D

(12) Phenanthrene

17.697min (-0.001) 1.06ng/ul m> SJ 5/1/18

response 13864

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	16.11#
176.00	17.00	19.65
0.00	0.00	0.00

Quantitation Report (Qedit)

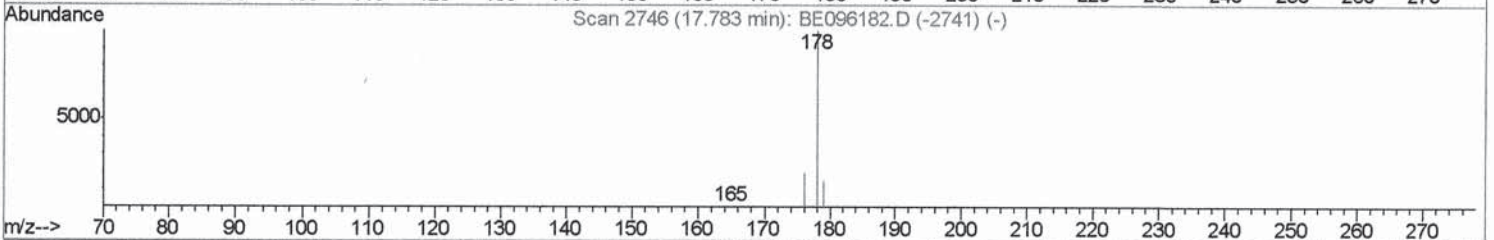
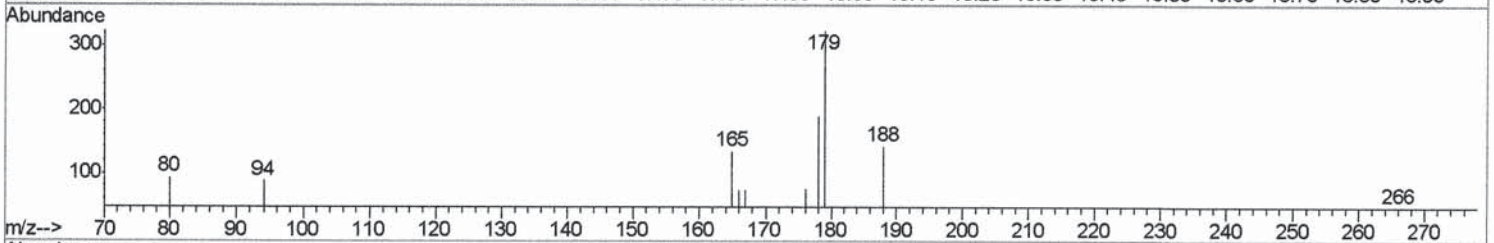
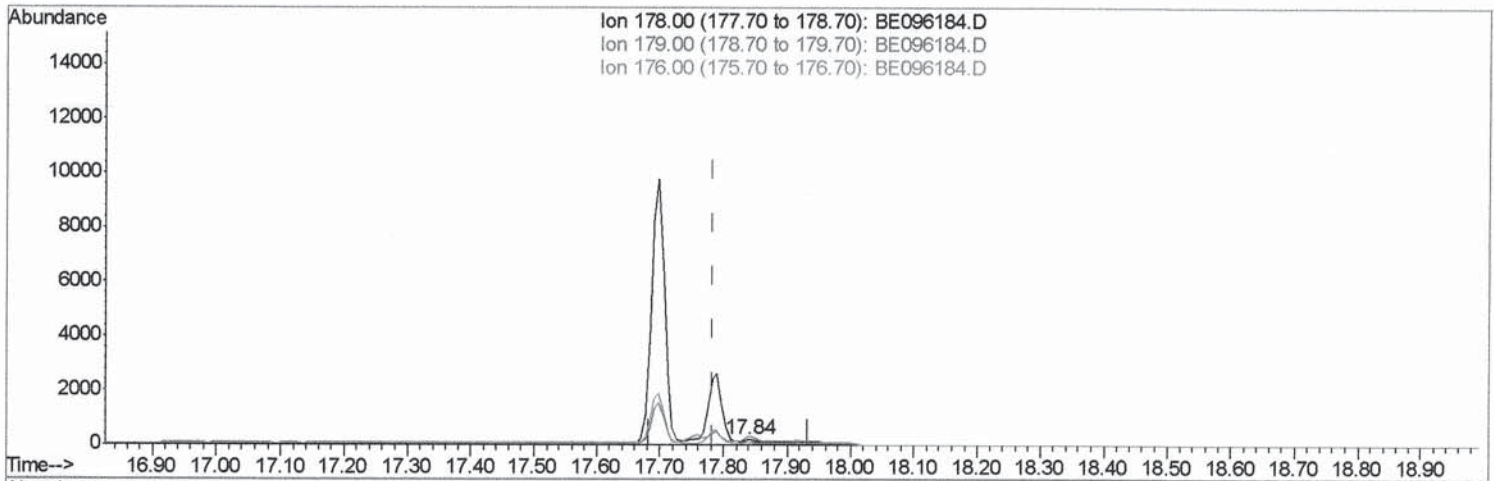
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Qlast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



TIC: BE096184.D

(13) Anthracene

17.838min (+0.055) 0.02ng/ul

response 249

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	171.81#
176.00	18.40	39.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

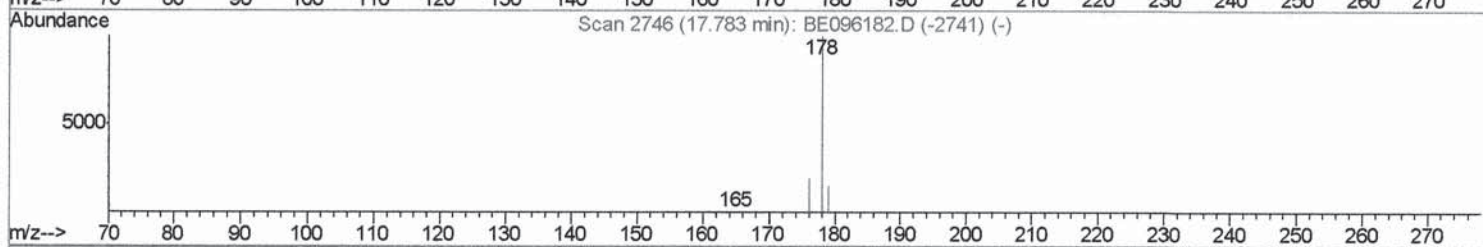
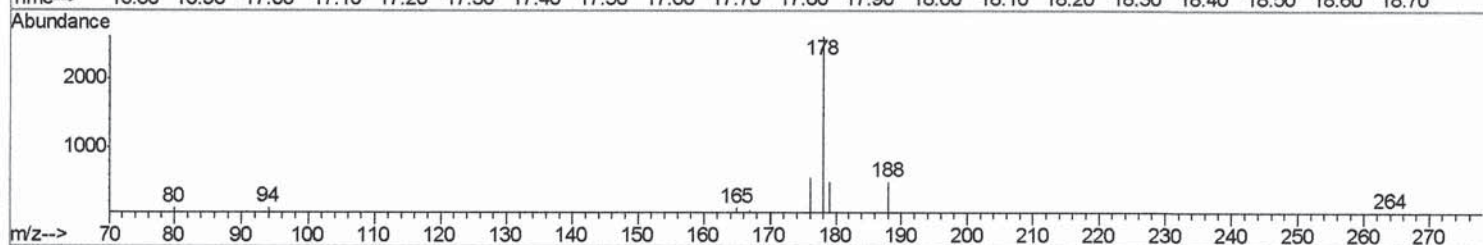
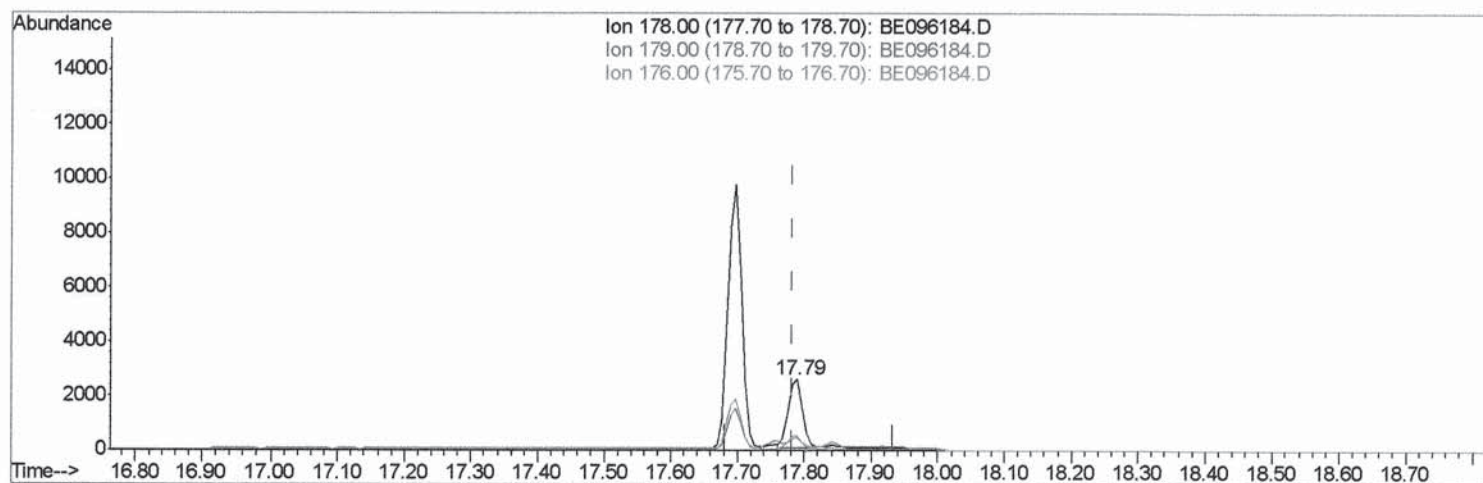
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



TIC: BE096184.D

(13) Anthracene

17.789min (+0.006) 0.28ng/ul m> SJ 5/1/18

response 3628

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	18.24
176.00	18.40	21.37
0.00	0.00	0.00

Quantitation Report (Qedit)

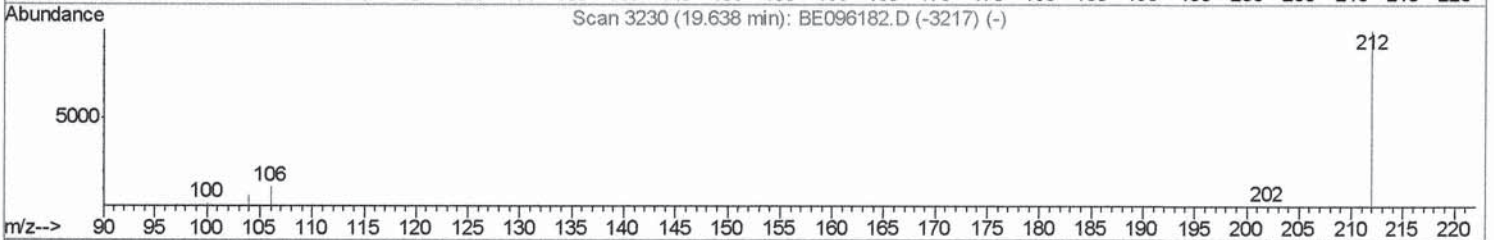
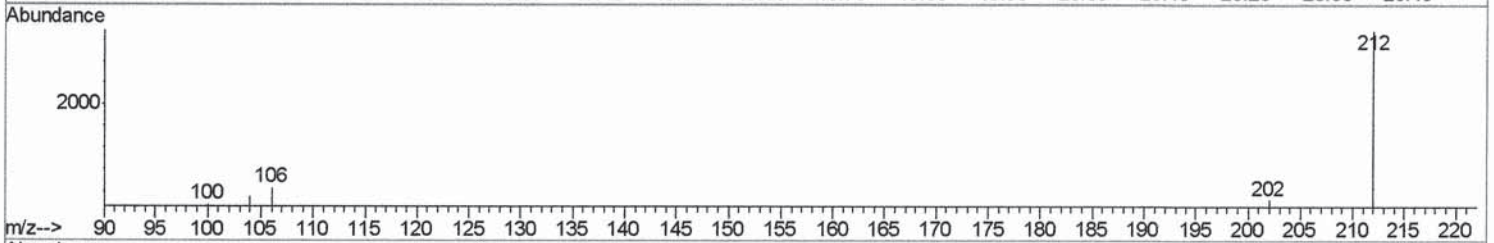
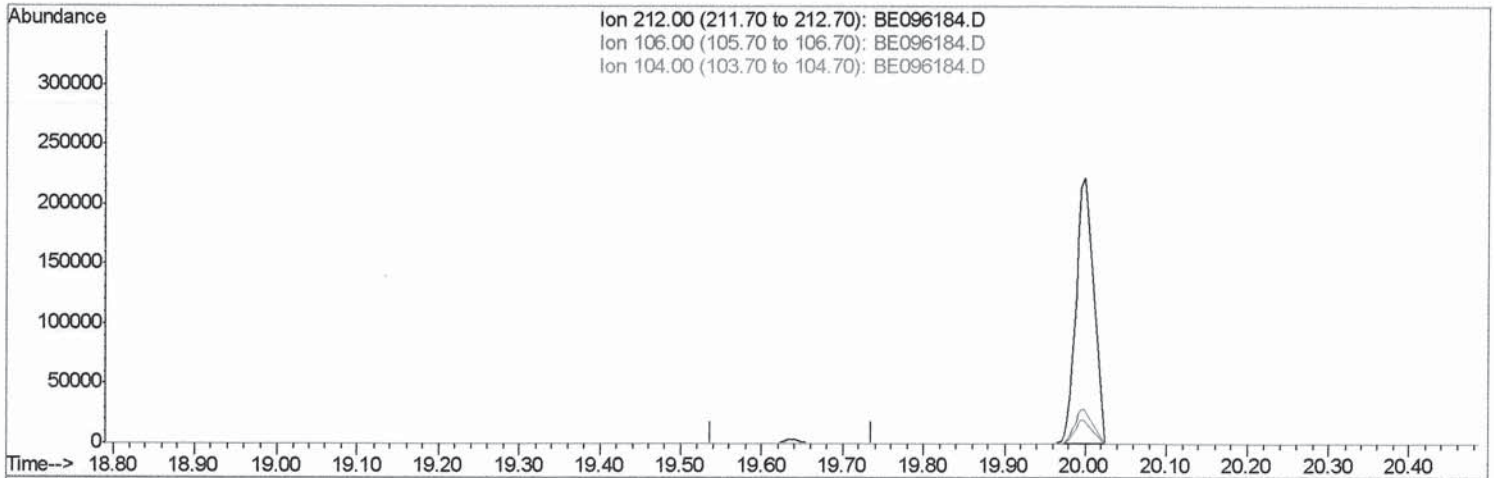
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BE096184.D

(14) Fluoranthene-d10 (SURR)

19.638min (-19.638) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

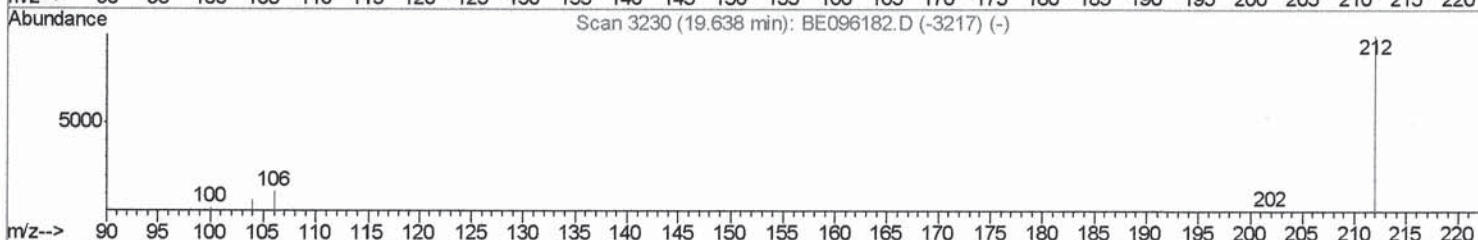
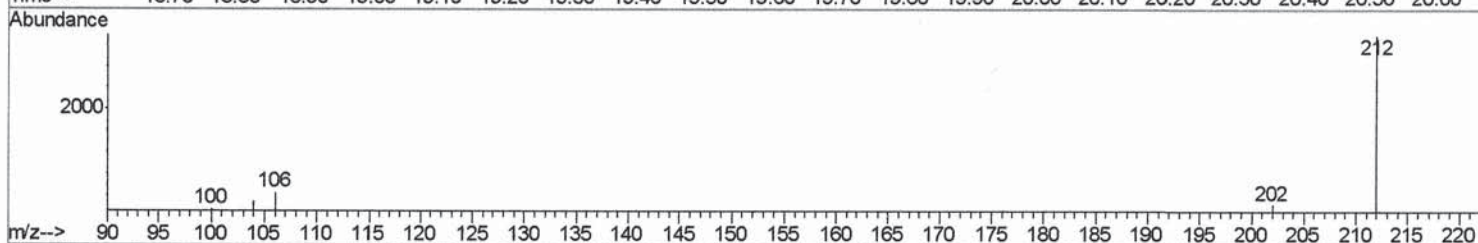
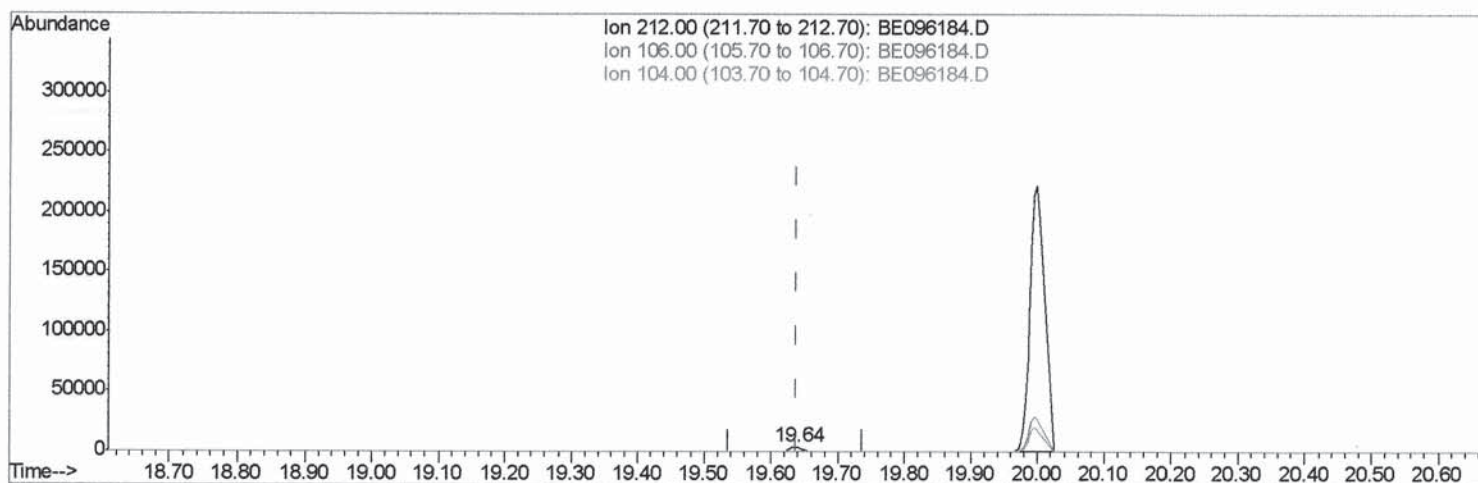
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



TIC: BE096184.D

(14) Fluoranthene-d10 (Surr)

19.638min (+0.001) 0.21ng/ul m> SJ 5/1/18

response 4273

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

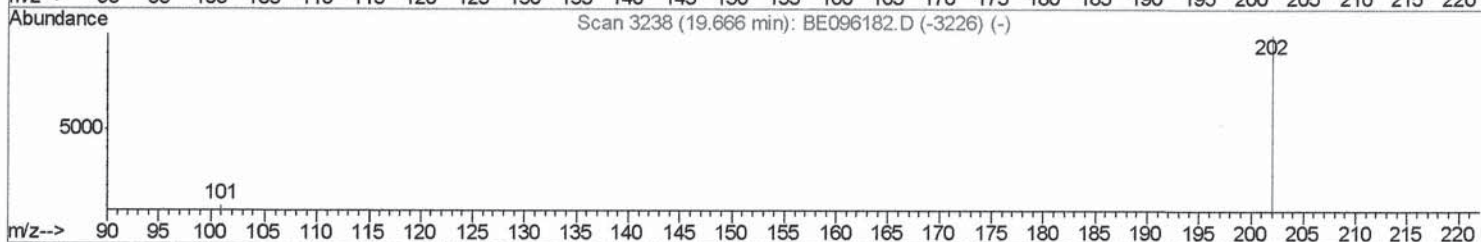
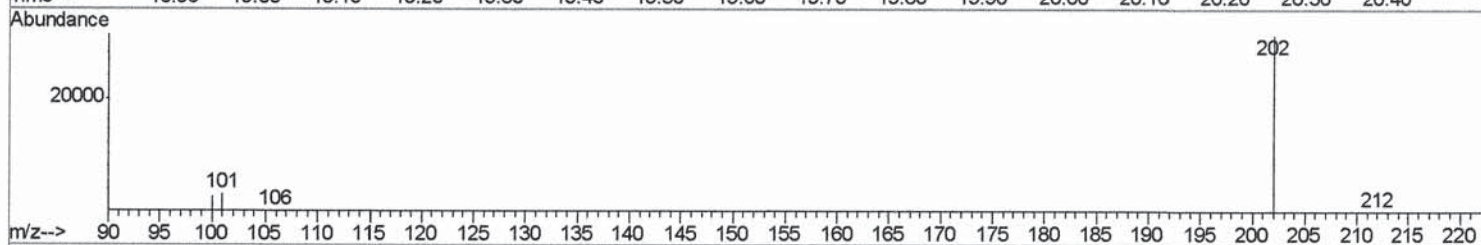
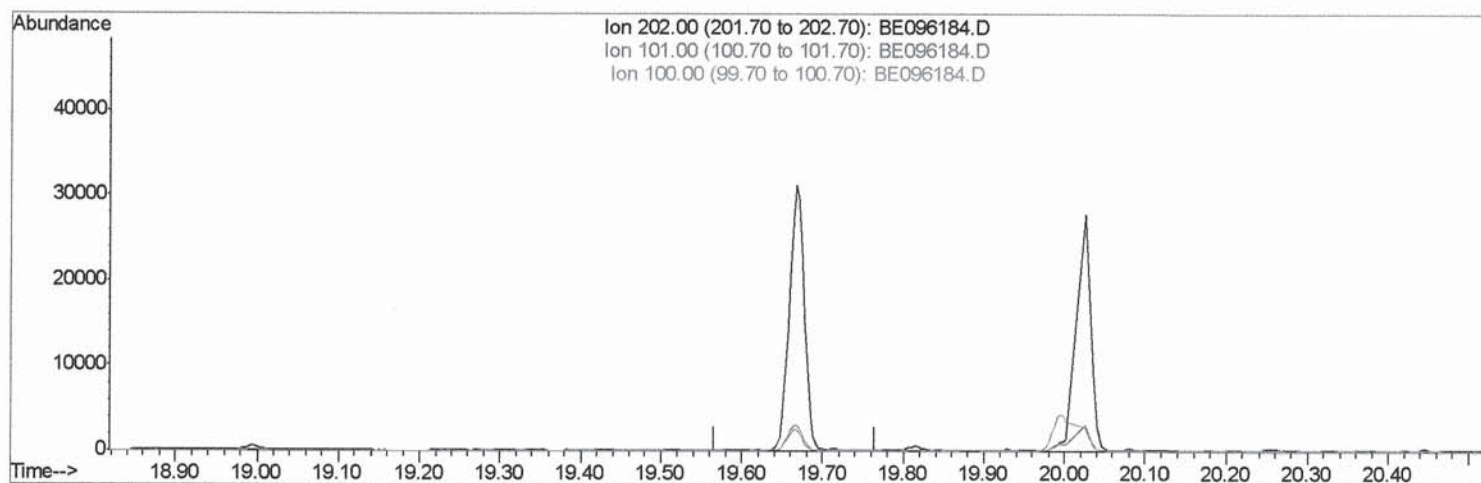
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



TIC: BE096184.D

(15) Fluoranthene (C)

19.666min (-19.666) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.30	0.00
100.00	19.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

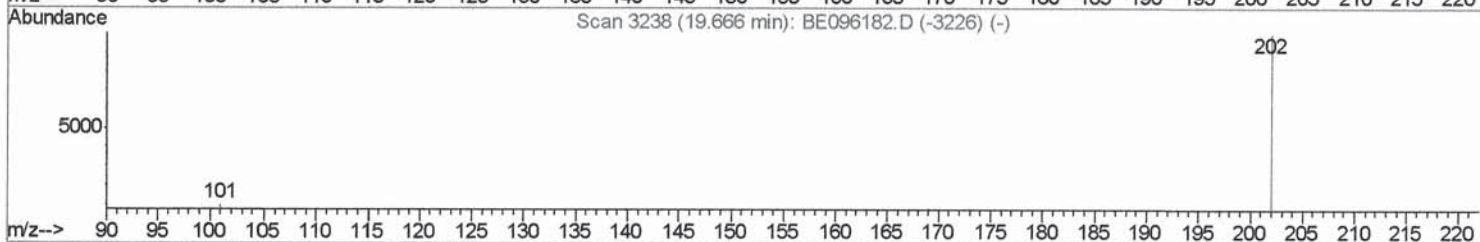
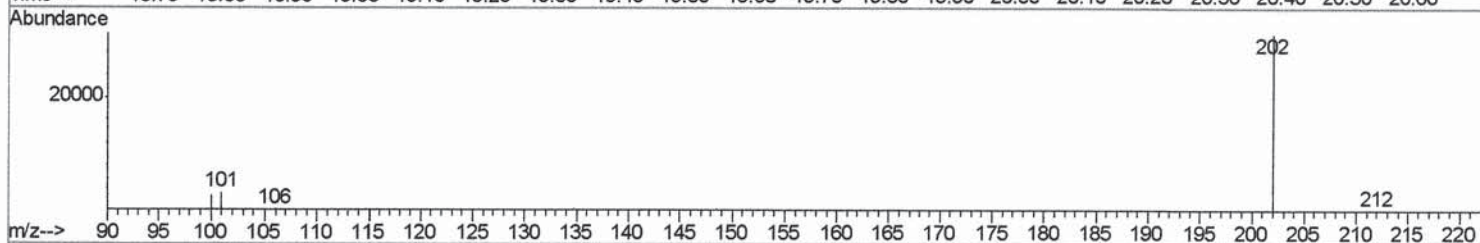
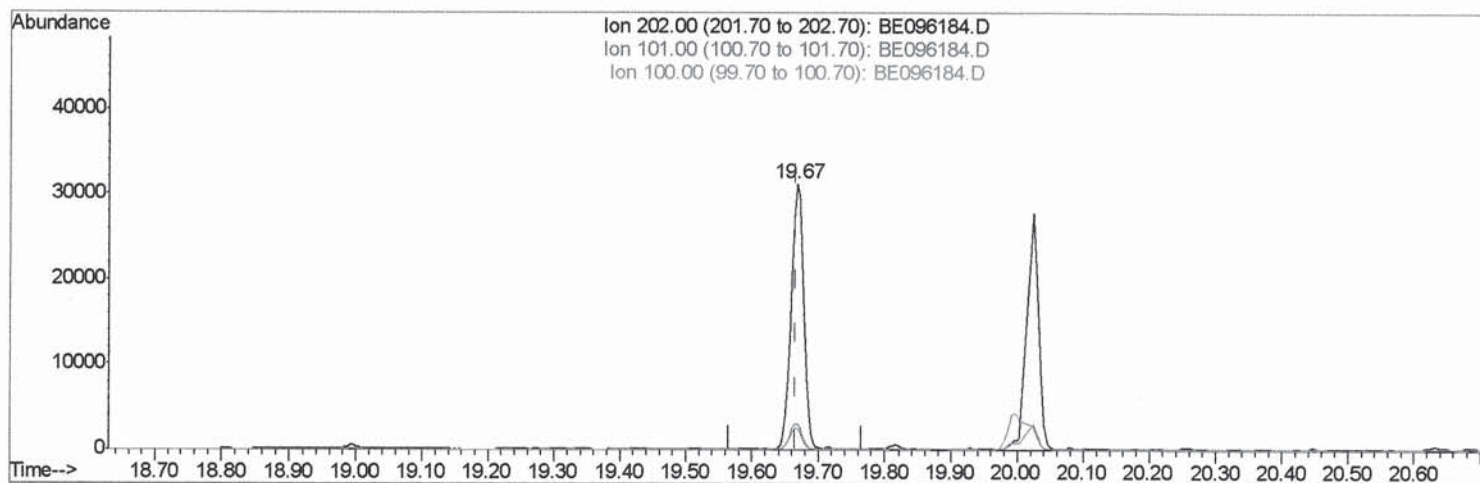
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



TIC: BE096184.D

(15) Fluoranthene (C)

19.667min (+0.001) 2.04ng/ul m) SJ 5/1/18

response 40705

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	10.11
100.00	19.50	8.37
0.00	0.00	0.00

Quantitation Report (Qedit)

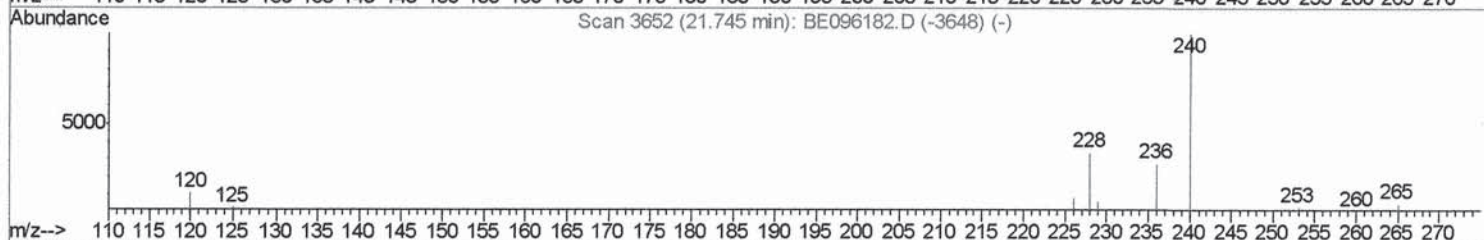
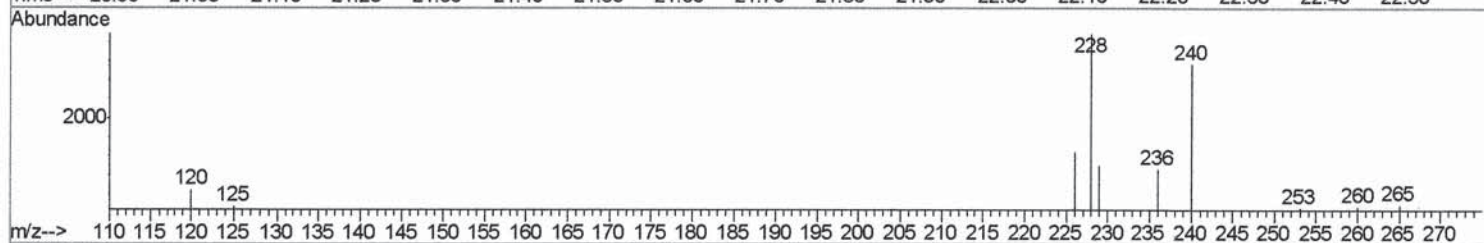
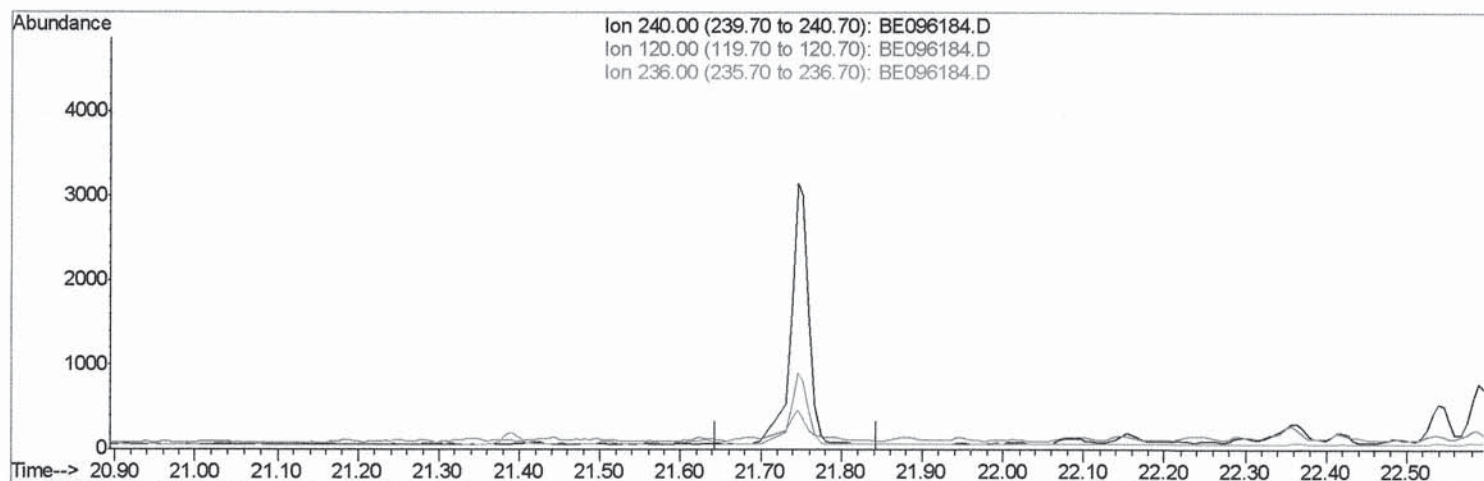
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Qlast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



TIC: BE096184.D

(16) Chrysene-d12 (I)

21.745min (-21.745) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	20.60	0.00#
236.00	34.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

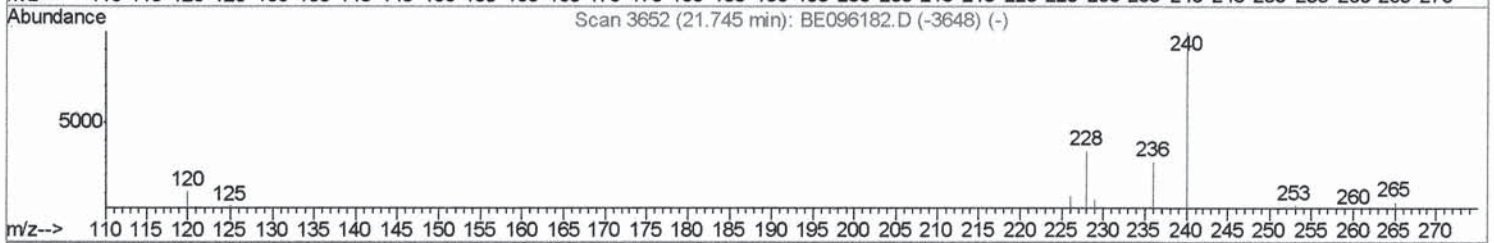
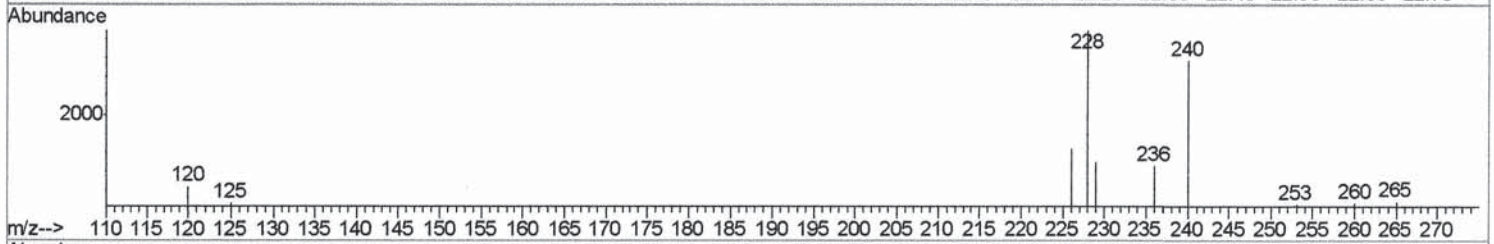
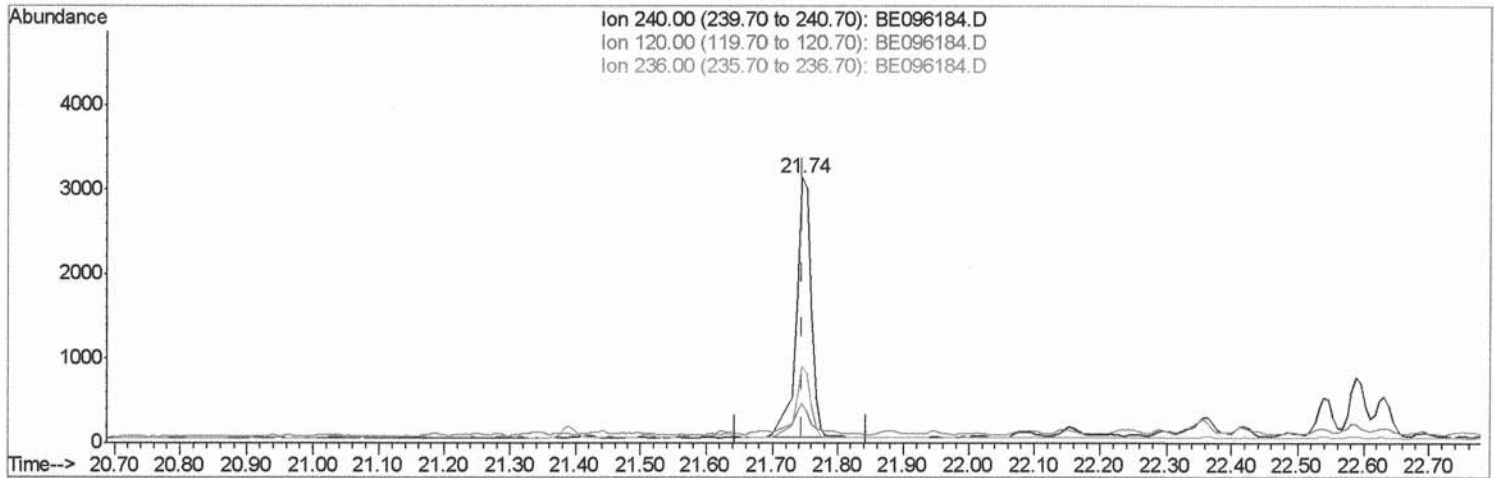
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:14:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



TIC: BE096184.D

(16) Chrysene-d12 (I)

21.745min (-0.000) 0.40ng/ul m> SJ 5/1/18

response 5597

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	15.15#
236.00	34.90	29.07
0.00	0.00	0.00

Quantitation Report (Qedit)

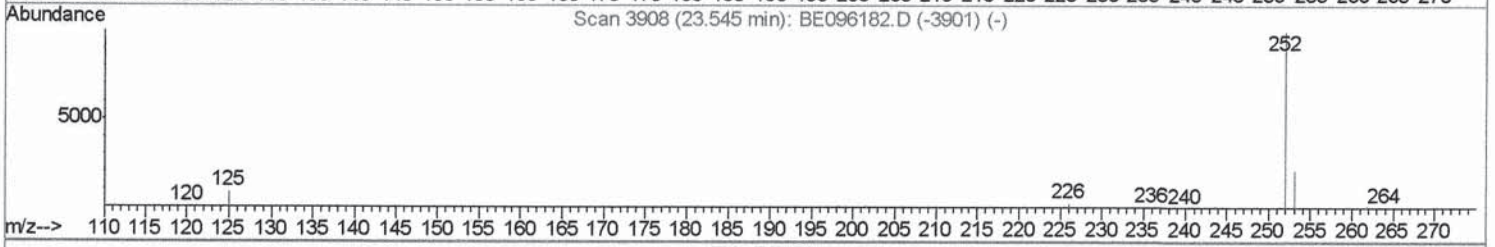
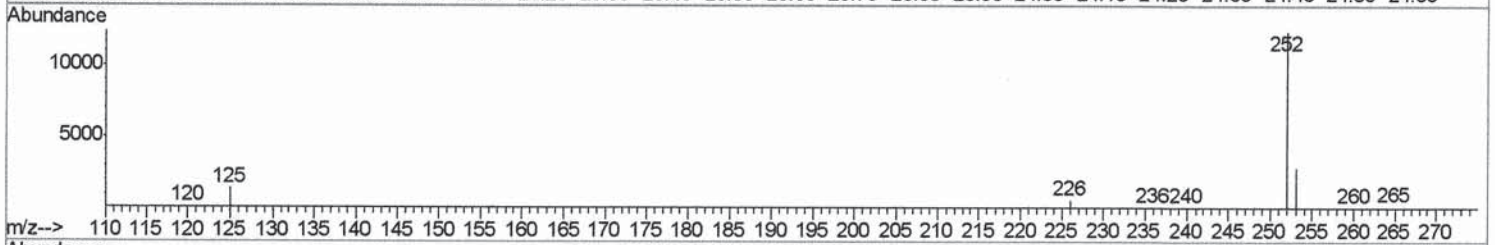
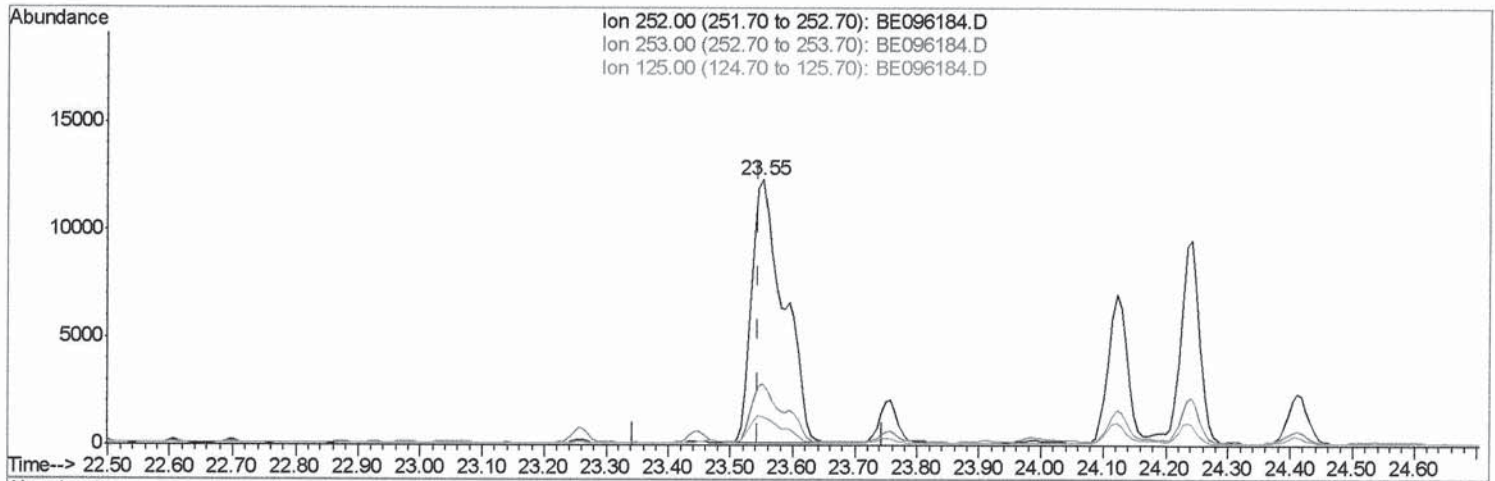
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:16:52 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Qlast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



TIC: BE096184.D

(21) Benzo(b)fluoranthene

23.552min (+0.007) 2.49ng/ul

response 43295

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.20
125.00	17.50	11.11
0.00	0.00	0.00

Quantitation Report (Qedit)

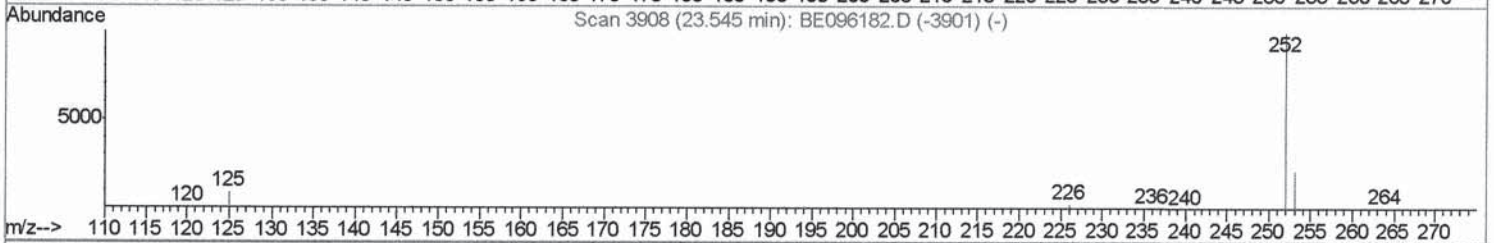
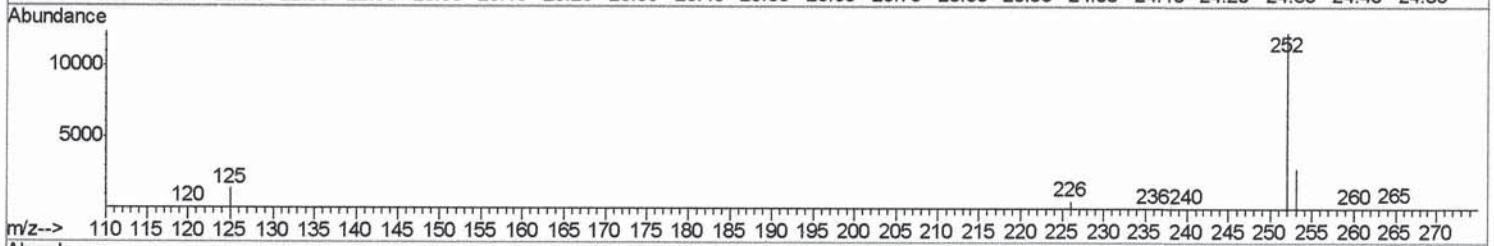
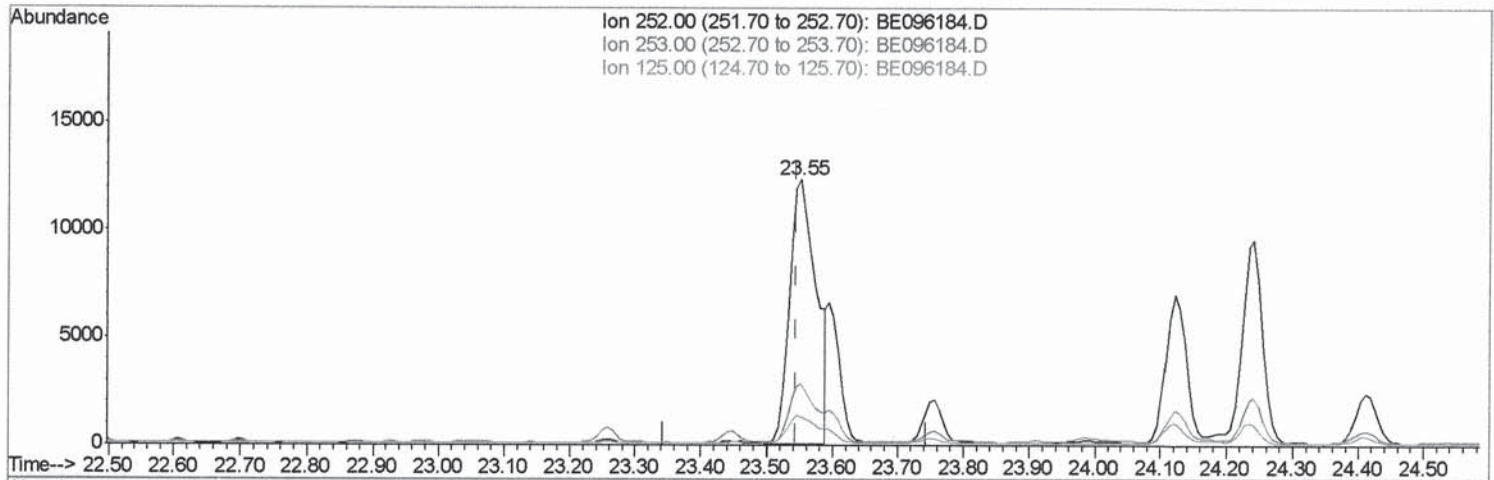
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Data File : BE096184.D
Acq On : 26 Apr 2018 18:09
Operator : SJ/JU
Sample : J2449-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AD7

Manual Integrations
APPROVED

Sohil
4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:16:52 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 04:45:57 2018
Response via : Initial Calibration



TIC: BE096184.D

(21) Benzo(b)fluoranthene

23.552min (+0.007) 2.00ng/ul m> SJ 5/1/18

response 34725

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.20
125.00	17.50	11.11
0.00	0.00	0.00

Quantitation Report (Qedit)

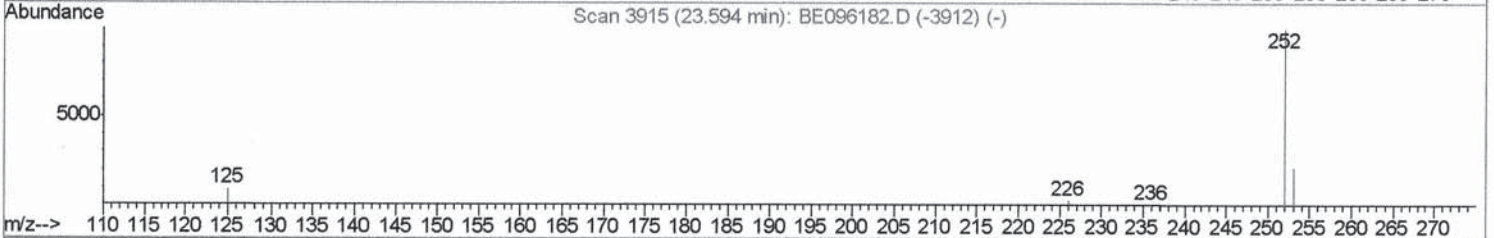
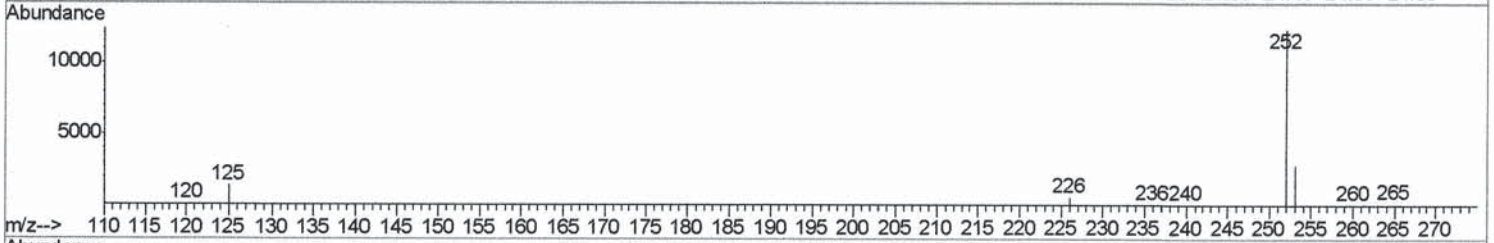
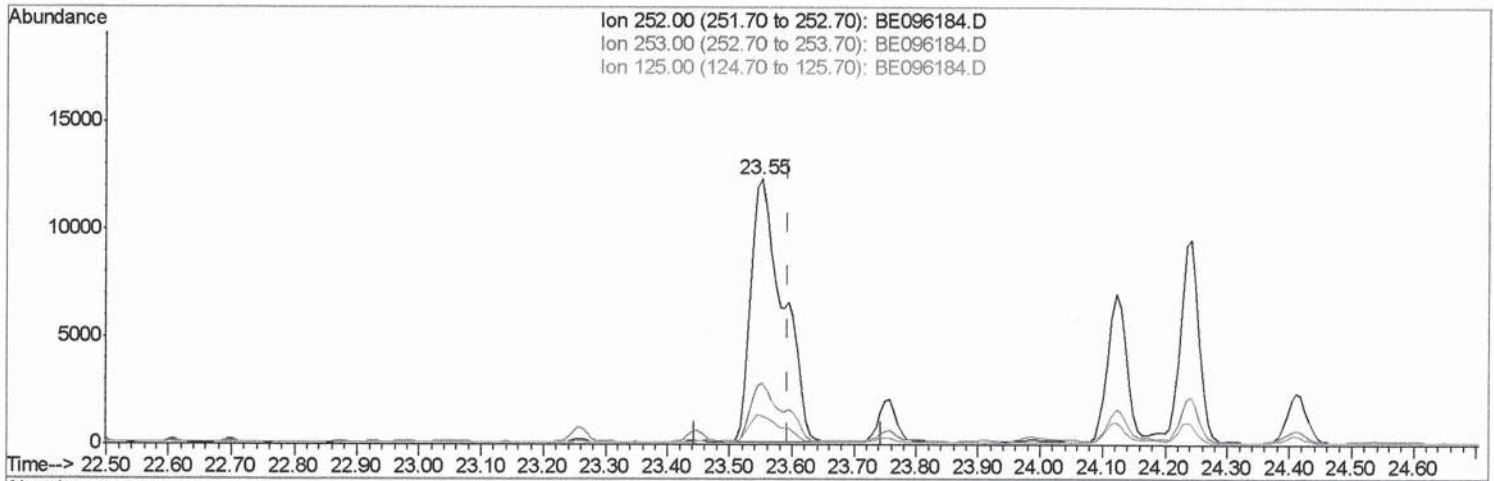
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:16:52 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.552min (-0.042) 2.61ng/ul

response 43295

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.20#
125.00	17.10	11.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

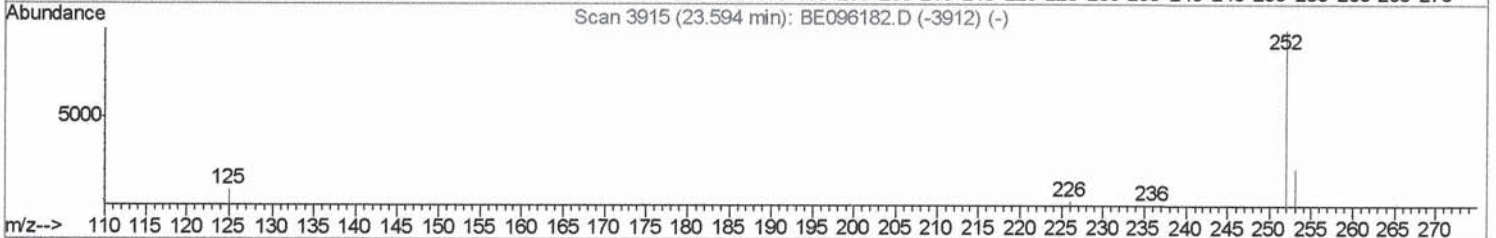
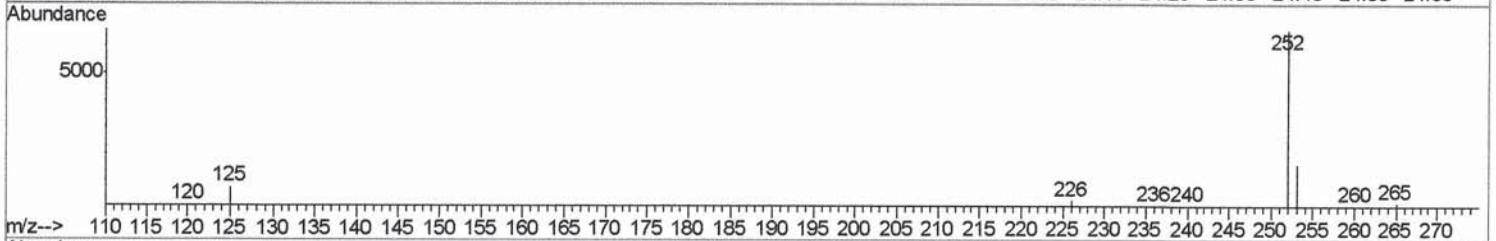
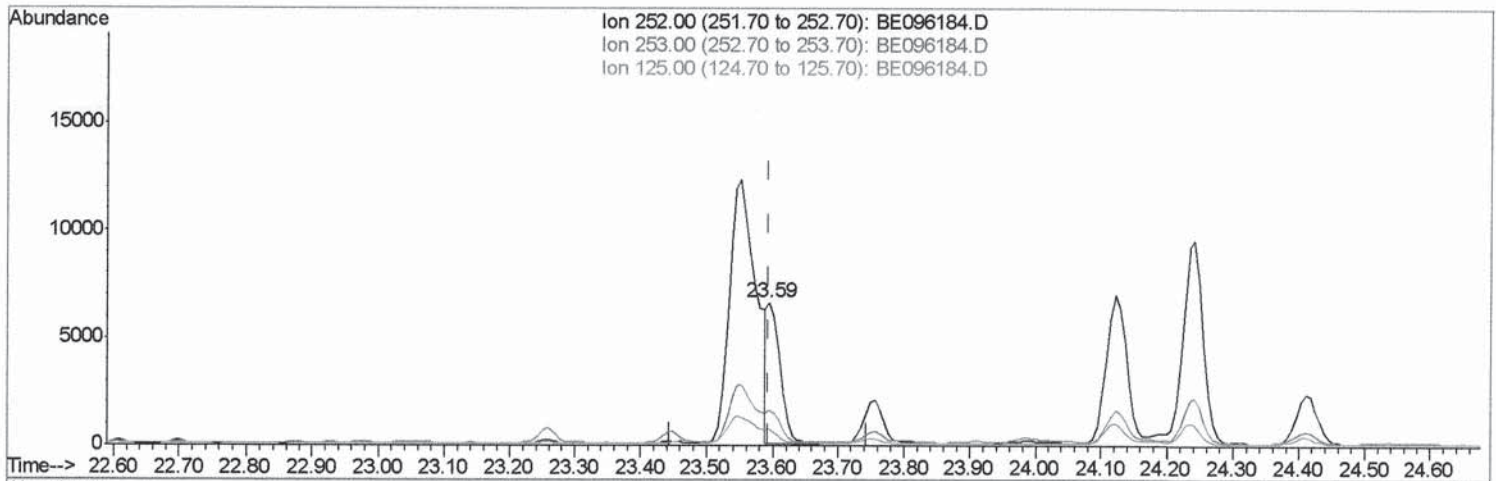
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:16:52 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration



TIC: BE096184.D

(22) Benzo(k)fluoranthene

23.594min (-0.000) 0.53ng/ul m > SJ 5/1/18

response 8840

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.79
125.00	17.10	11.48#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\
 Data File : BE096184.D
 Acq On : 26 Apr 2018 18:09
 Operator : SJ/JU
 Sample : J2449-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:29:20 PM

Quant Time: Apr 27 05:18:18 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 04:45:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	780	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	3174	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1932	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4430m	0.40	ng/ul	0.00
16) Chrysene-d12	21.74	240	5597m	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	4589	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.74	152	1527	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	4273m	0.21	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.23	128	1490	0.169	ng/ul#	88
5) 2-Methylnaphthalene	12.81	142	950	0.160	ng/ul	99
7) Acenaphthylene	14.68	152	1053	0.106	ng/ul#	86
8) Acenaphthene	15.01	153	405	0.056	ng/ul#	88
9) Fluorene	15.97	166	519	0.055	ng/ul#	84
12) Phenanthrene	17.70	178	13864m	1.063	ng/ul	
13) Anthracene	17.79	178	3628m	0.277	ng/ul	
15) Fluoranthene	19.67	202	40705m	2.042	ng/ul	
17) Pyrene	20.02	202	20147	1.794	ng/ul#	78
18) Benzo(a)anthracene	21.73	228	14200	0.838	ng/ul#	86
19) Chrysene	21.79	228	26537	1.704	ng/ul	97
21) Benzo(b)fluoranthene	23.55	252	34725m	1.998	ng/ul	
22) Benzo(k)fluoranthene	23.59	252	8840m	0.532	ng/ul	
23) Benzo(a)pyrene	24.24	252	20441	1.354	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	27.13	276	13467	0.662	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.14	278	3586	0.211	ng/ul	98
26) Benzo(a,h,i)perylene	28.00	276	11246	0.635	ng/ul	95

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