

Quantitation Report (QT Reviewed)

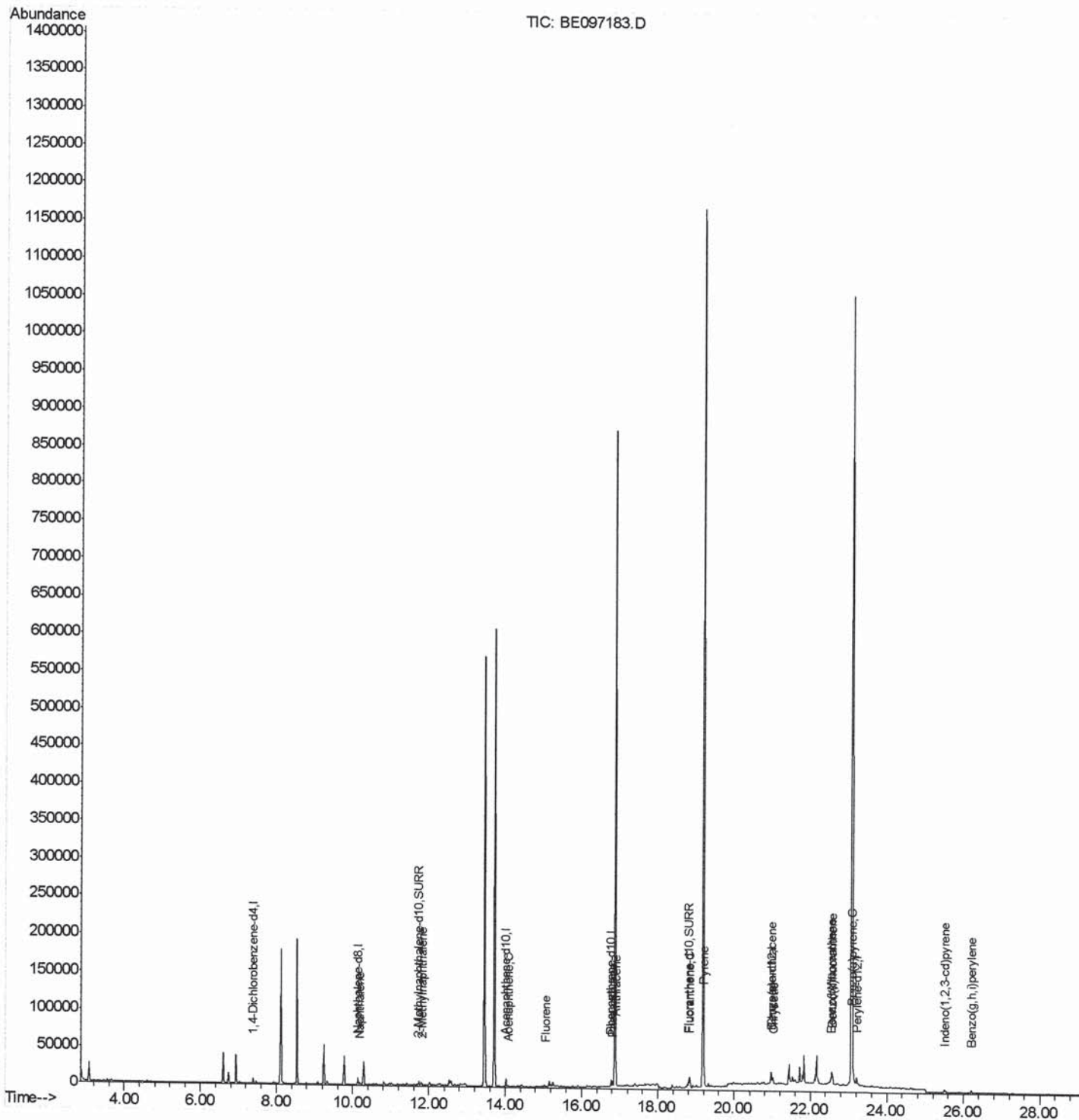
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:54:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration



Quantitation Report (Qedit)

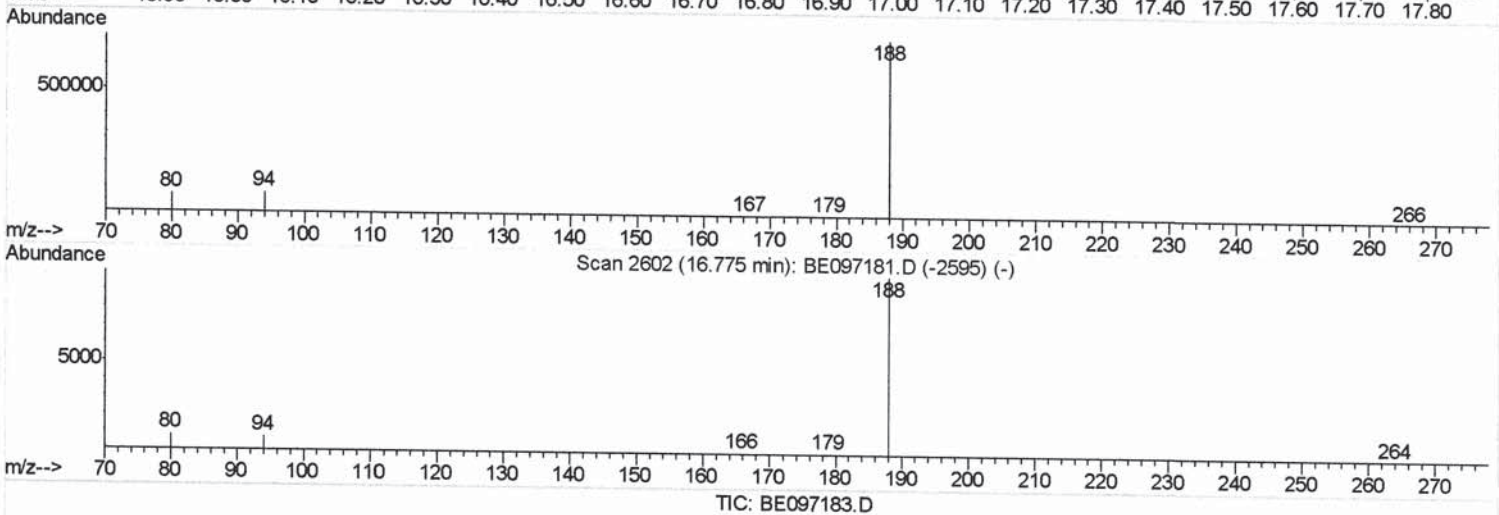
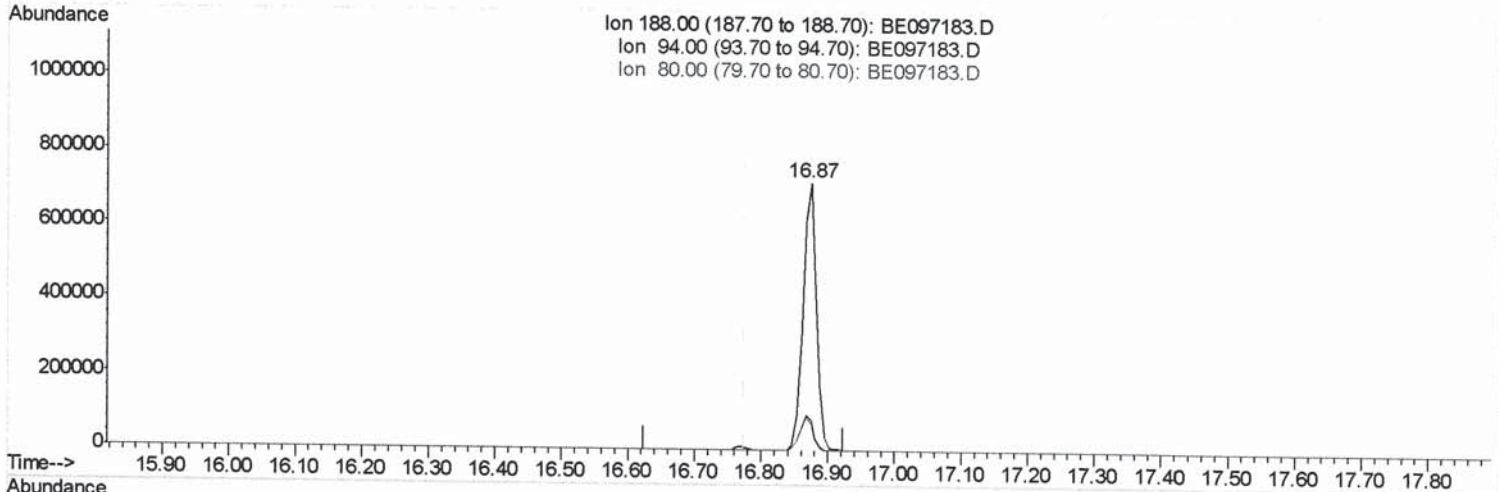
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:40:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
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(10) Phenanthrene-d10 (I)
 16.874min (+0.099) 0.40ng/ul
 response 1029957

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	11.29
80.00	11.80	10.21
0.00	0.00	0.00

Quantitation Report (Qedit)

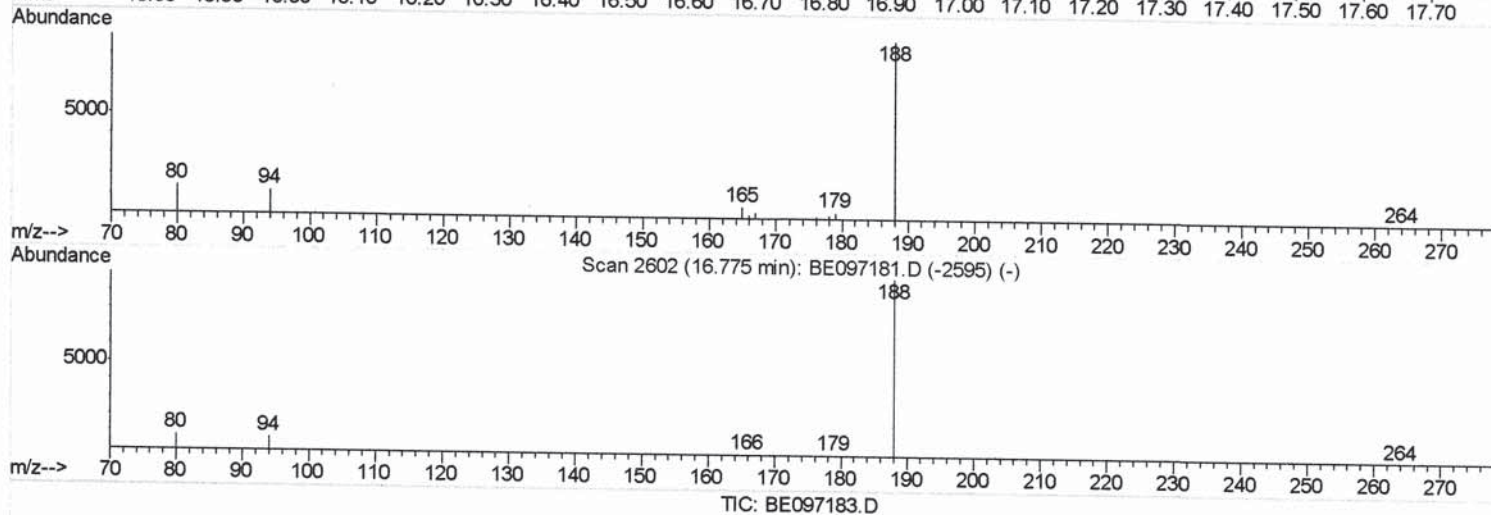
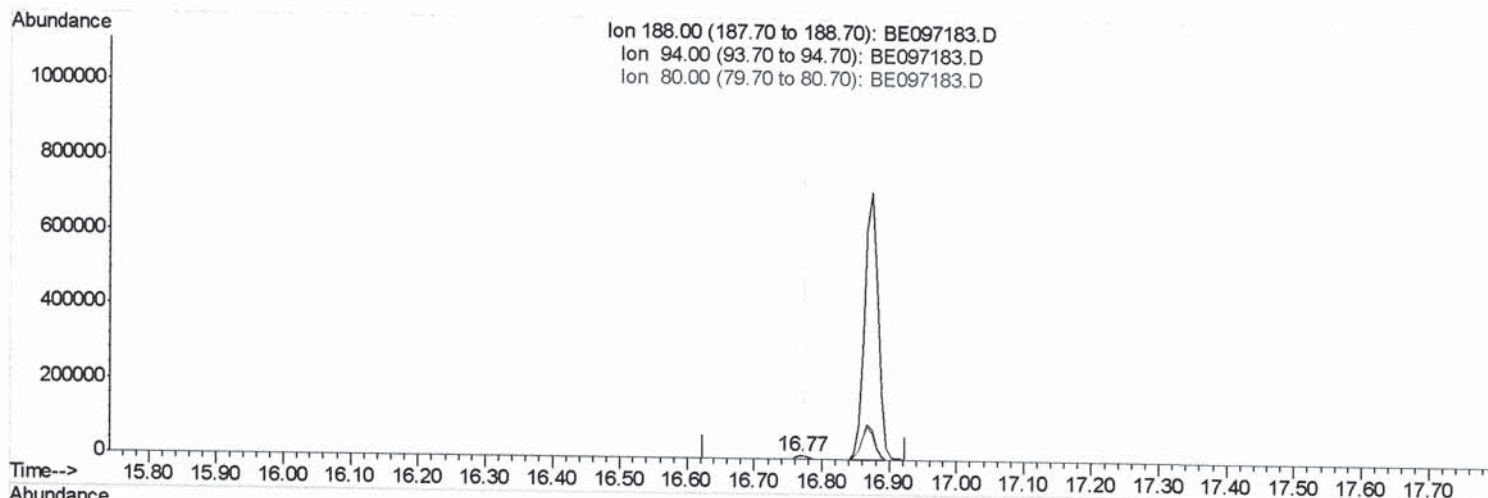
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
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(10) Phenanthrene-d10 (I)

16.769min (-0.006) 0.40ng/ul m

SJ 8/7/18

response 12629

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.82#
80.00	11.80	16.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

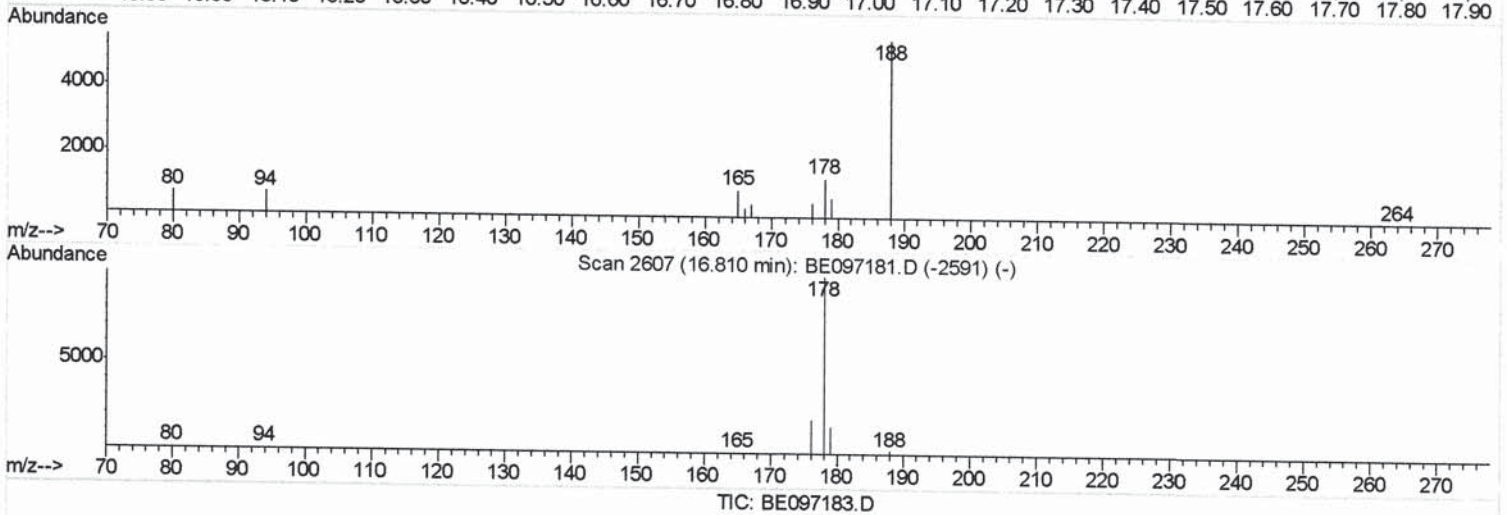
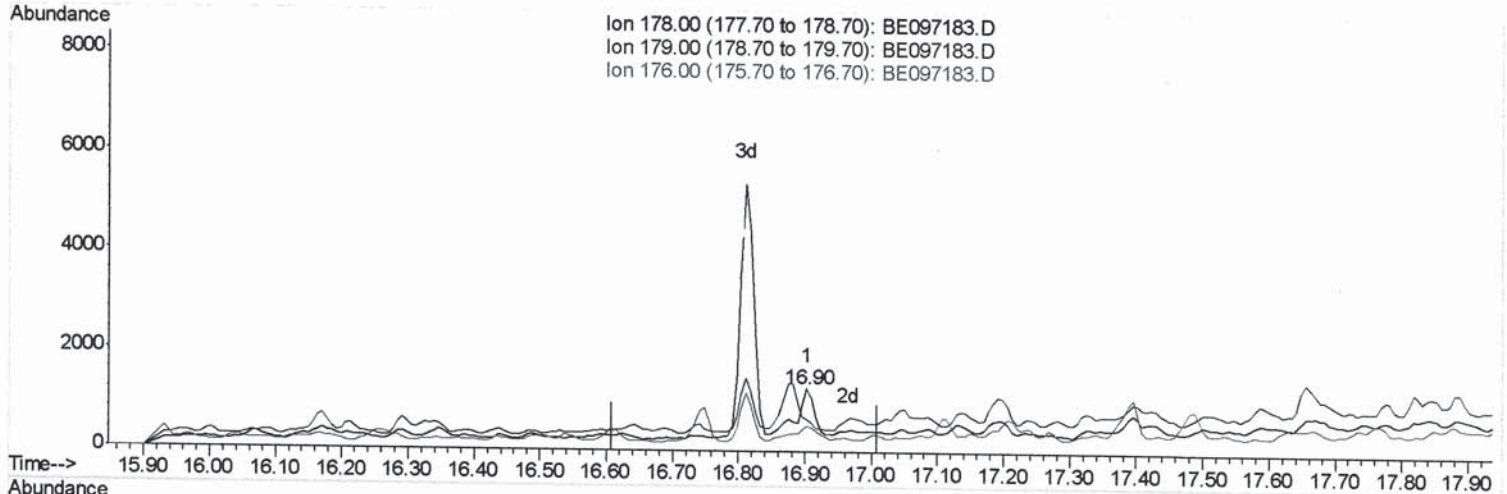
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
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Manual Integrations
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Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:50:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
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(12) Phenanthrene

16.902min (+0.092) 0.06ng/ul

response 1772

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	51.34#
176.00	17.00	40.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

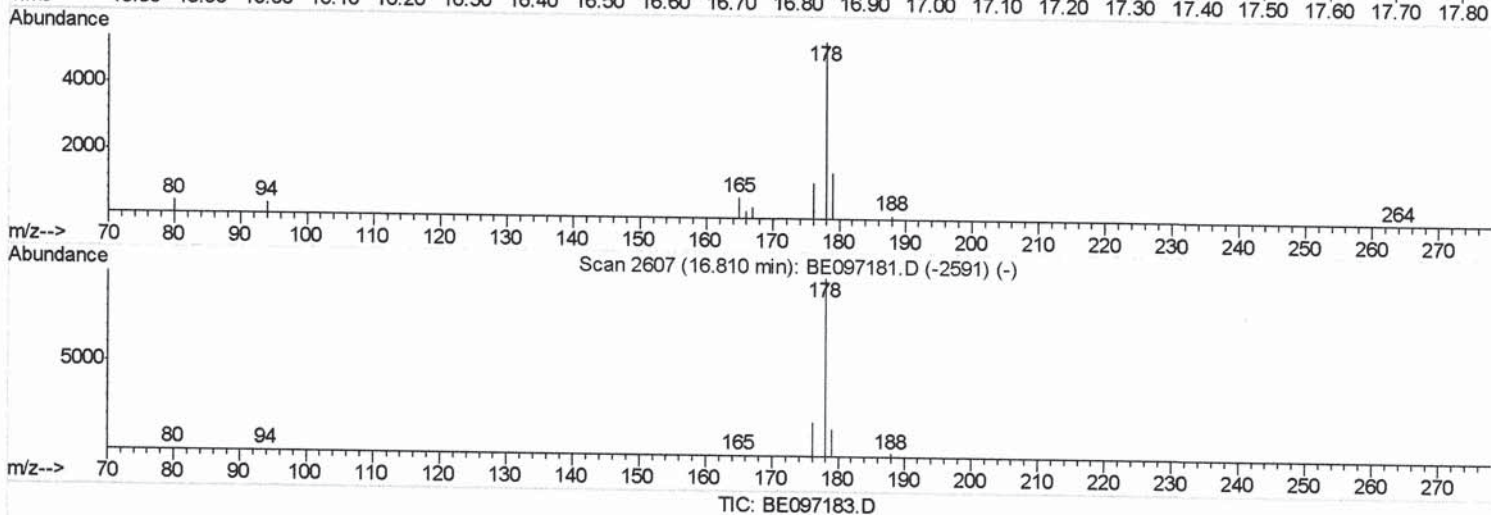
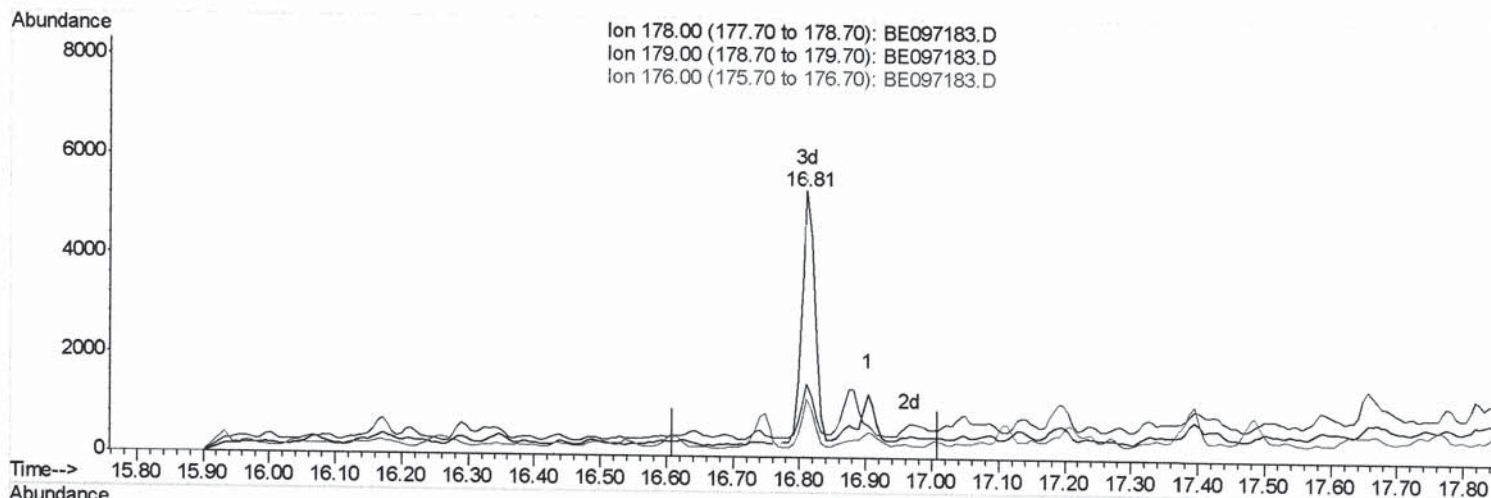
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Misc :
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Instrument :
BNA_E
ClientSampled :
JJ1J3

Manual Integrations
APPROVED

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(12) Phenanthrene

16.811min (+0.001) 0.22ng/ul m

response 7167

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	27.27
176.00	17.00	21.72#
0.00	0.00	0.00

SJ 8/7/18

Quantitation Report (Qedit)

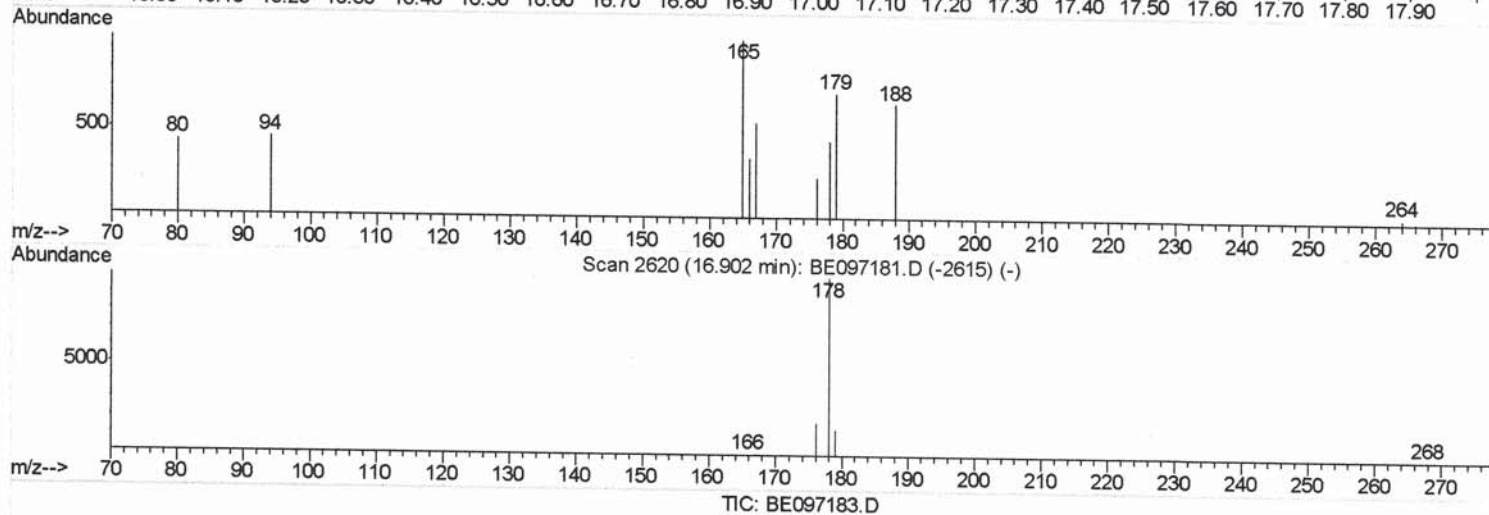
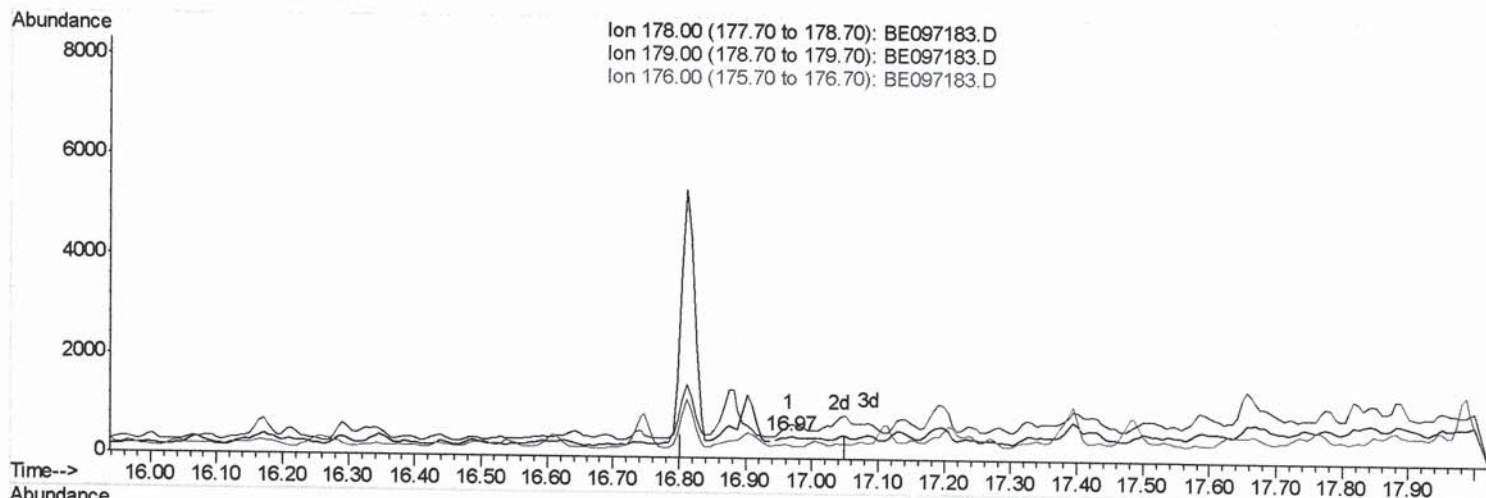
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Manual Integrations
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(13) Anthracene

16.966min (+0.064) 0.01ng/ul

response 366

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	152.65#
176.00	18.40	60.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

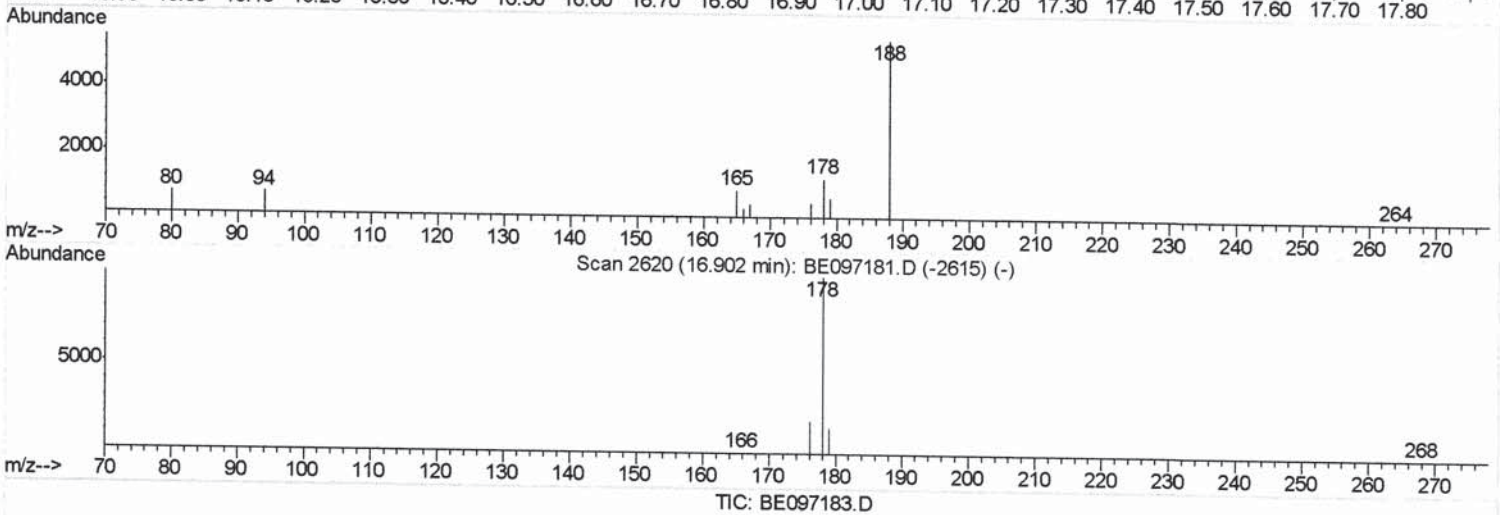
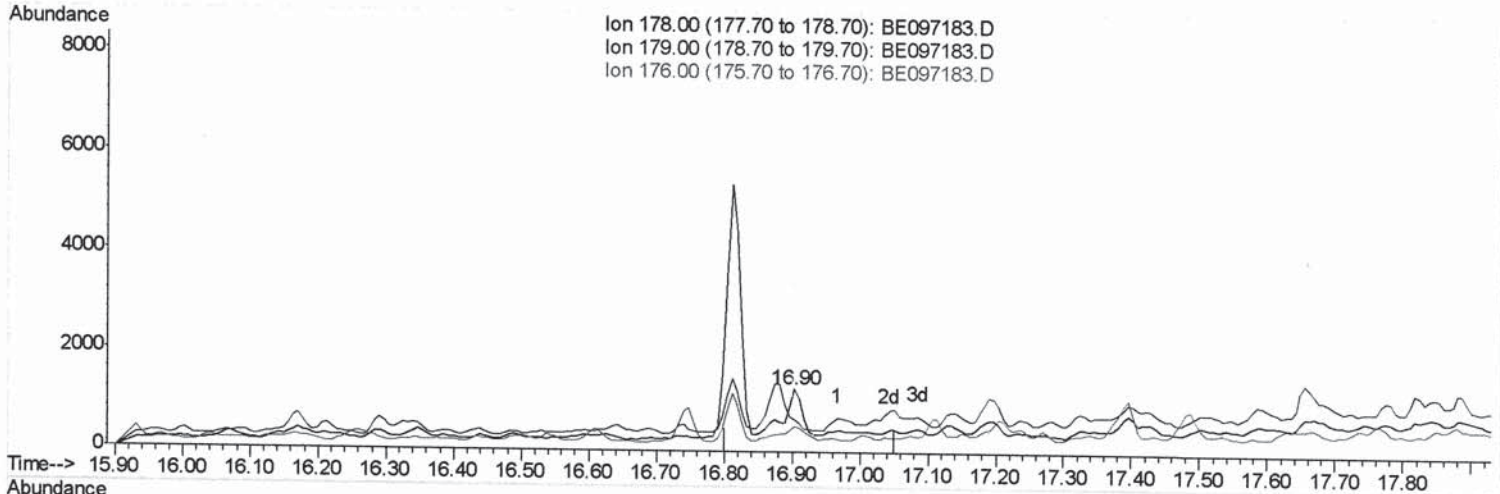
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 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
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(13) Anthracene

16.902min (+0.001) 0.04ng/ul m

response 1150

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	51.34#
176.00	18.40	40.13#
0.00	0.00	0.00

SJ 8/7/18

Quantitation Report (Qedit)

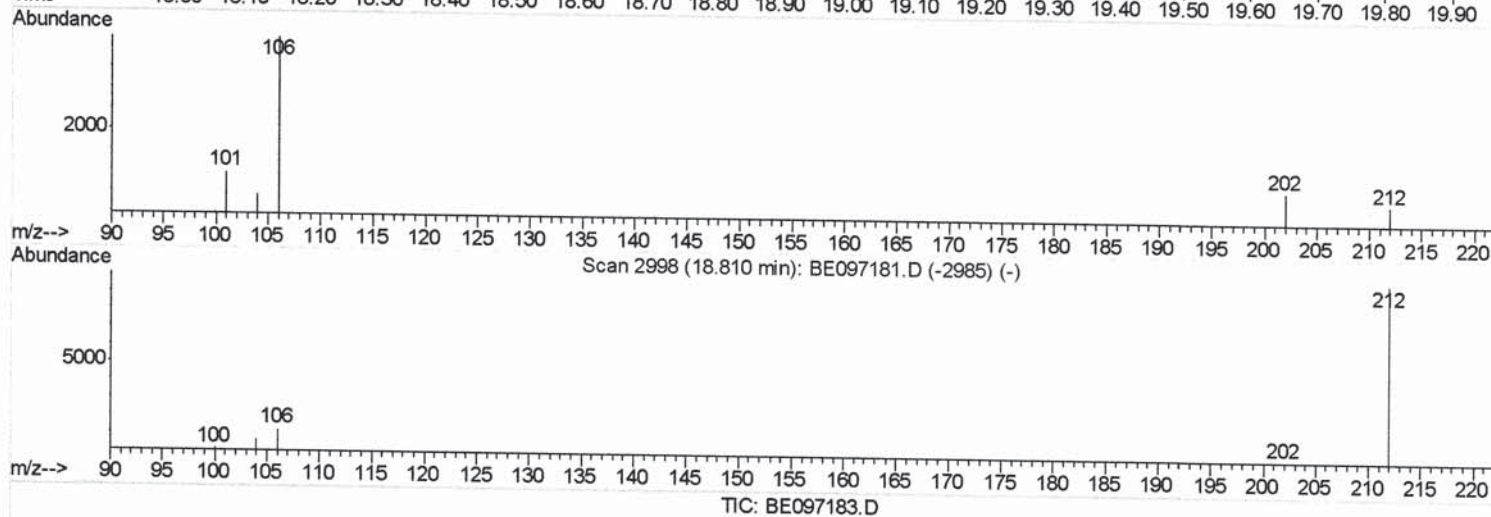
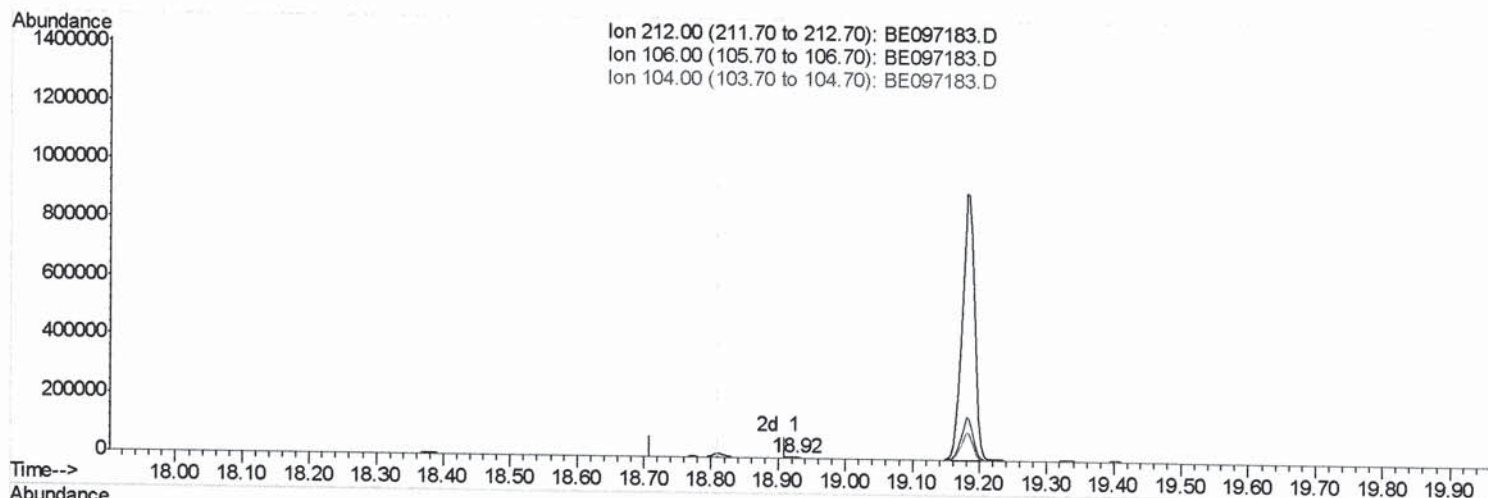
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Manual Integrations
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(14) Fluoranthene-d10 (SURR)

18.924min (+0.114) 0.01ng/ul

response 432

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	937.96#
104.00	15.60	138.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

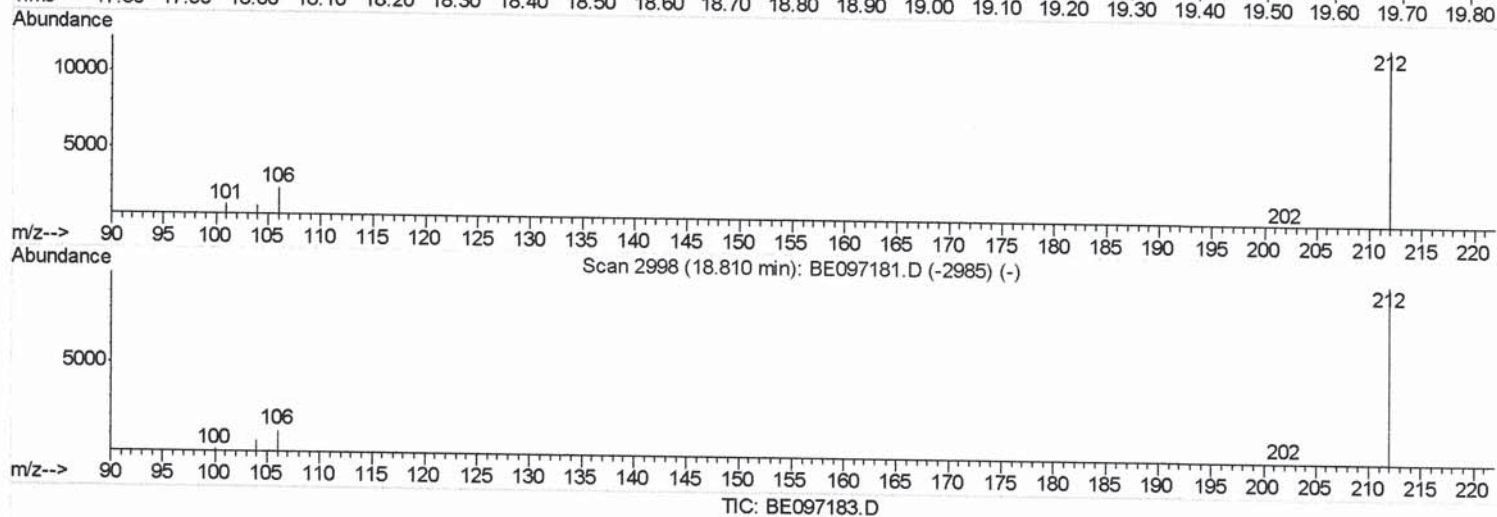
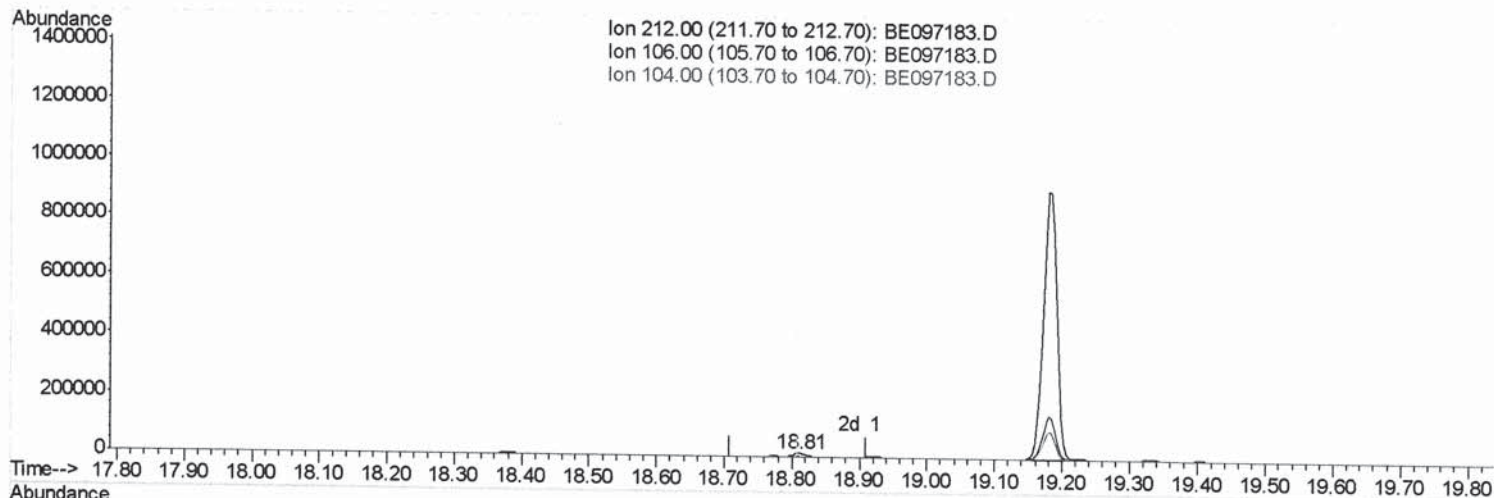
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Operator : SJ/JU
Sample : J4171-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1J3

Manual Integrations
APPROVED

Sohil
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(14) Fluoranthene-d10 (SURR)

18.810min (-0.000) 0.40ng/ul m

response 17222

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	23.53#
104.00	15.60	3.48#
0.00	0.00	0.00

SJ 8/7/18

Quantitation Report (Qedit)

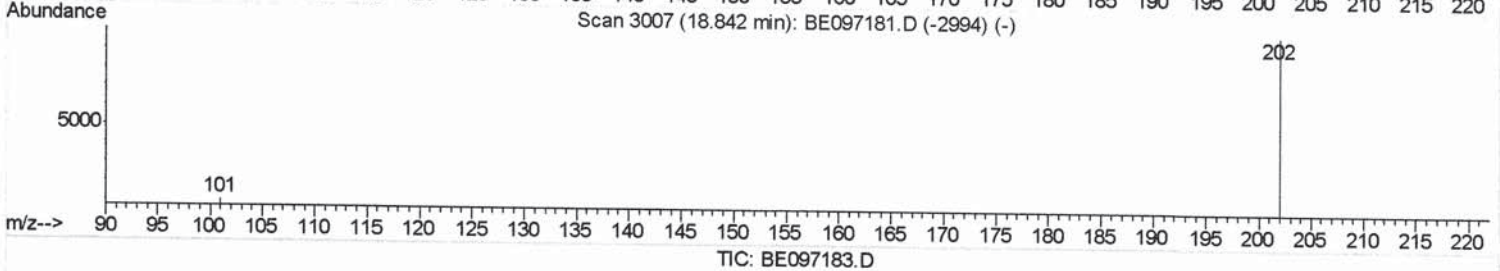
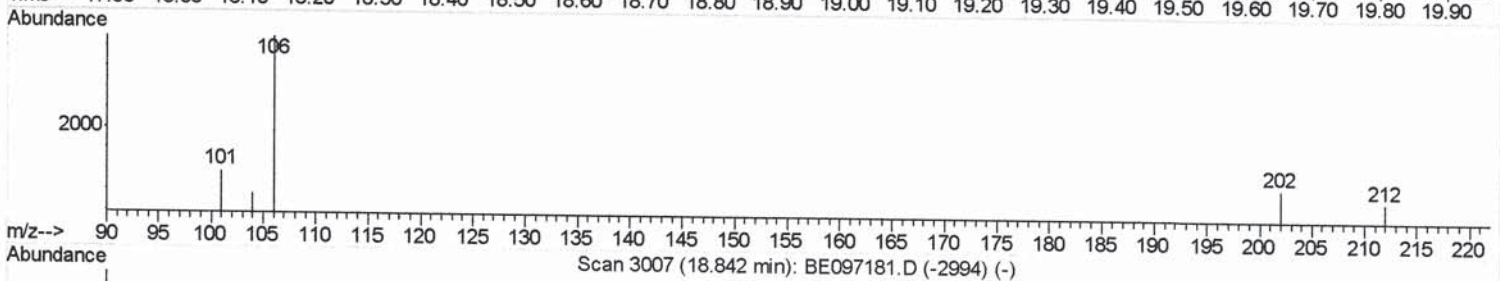
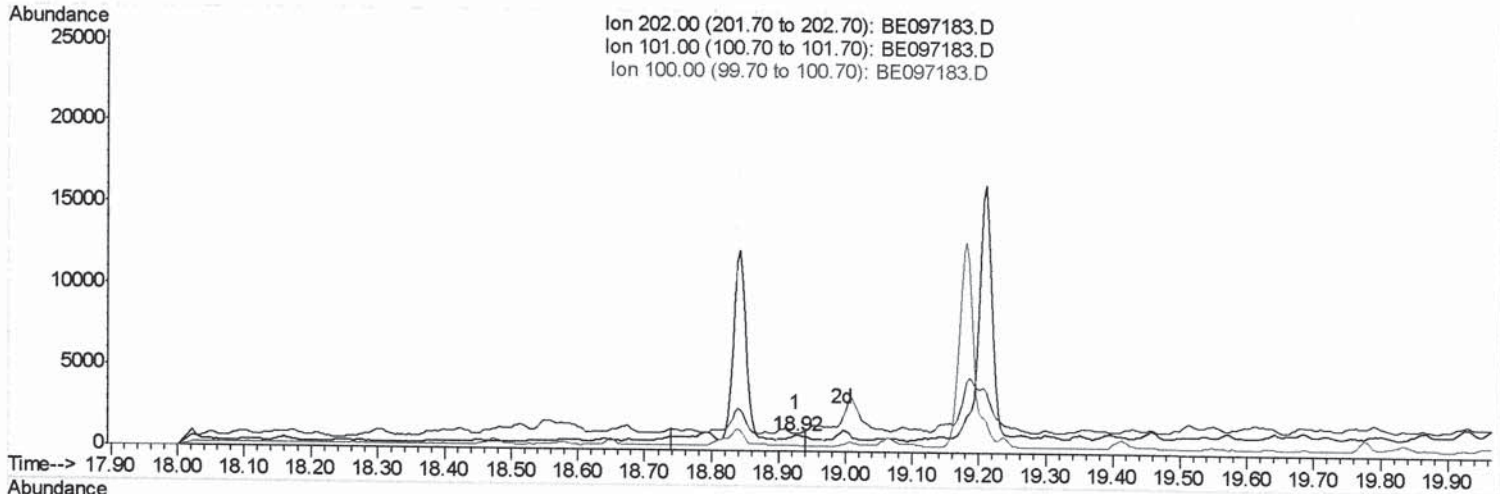
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Data File : BE097183.D
Acq On : 3 Aug 2018 17:18
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Sample : J4171-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1J3

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:25 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
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(15) Fluoranthene (C)

18.924min (+0.082) 0.01ng/ul

response 499

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	119.83#
100.00	19.50	35.51
0.00	0.00	0.00

Quantitation Report (Qedit)

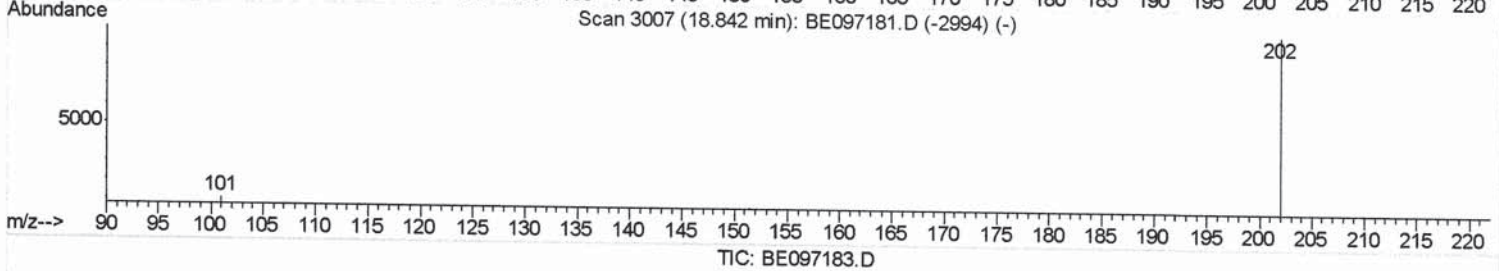
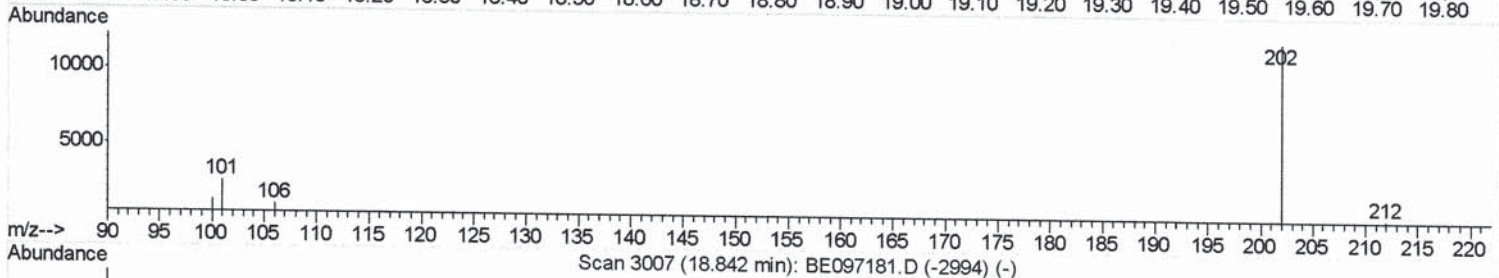
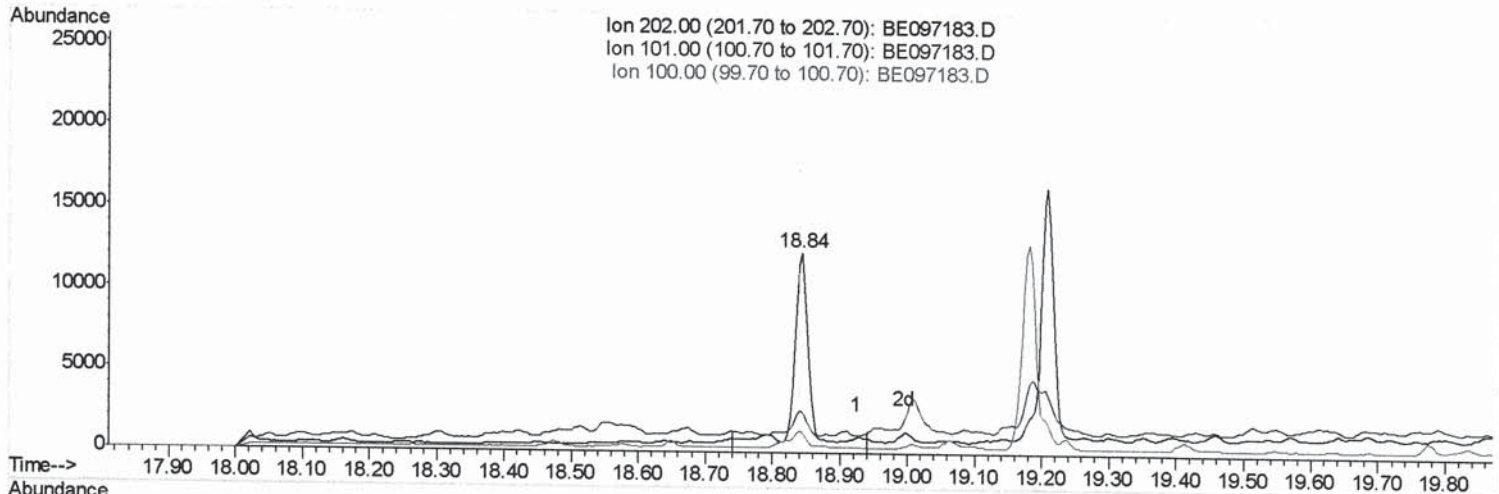
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 ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

Sohil
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(15) Fluoranthene (C)

18.842min (-0.000) 0.35ng/ul m

SJ 8/7/18

response 14896

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	20.51
100.00	19.50	10.15
0.00	0.00	0.00

Quantitation Report (Qedit)

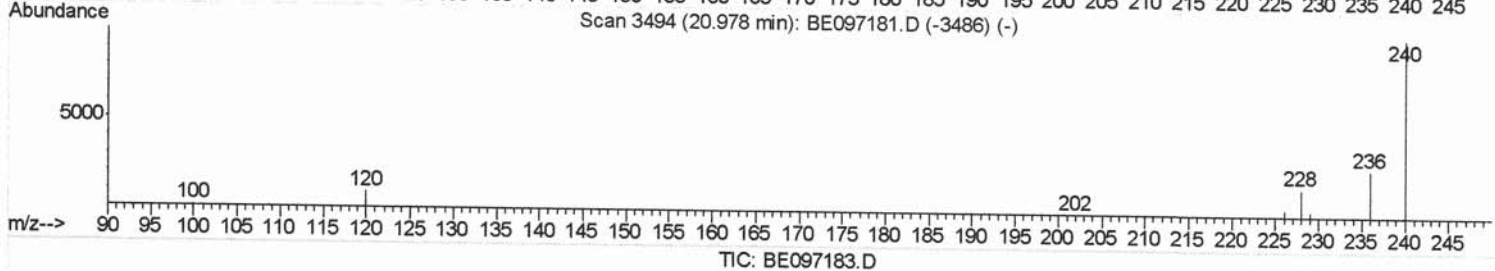
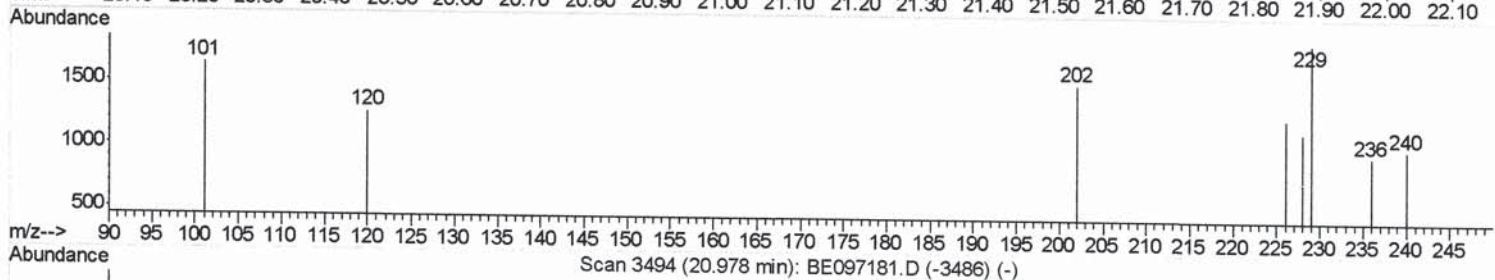
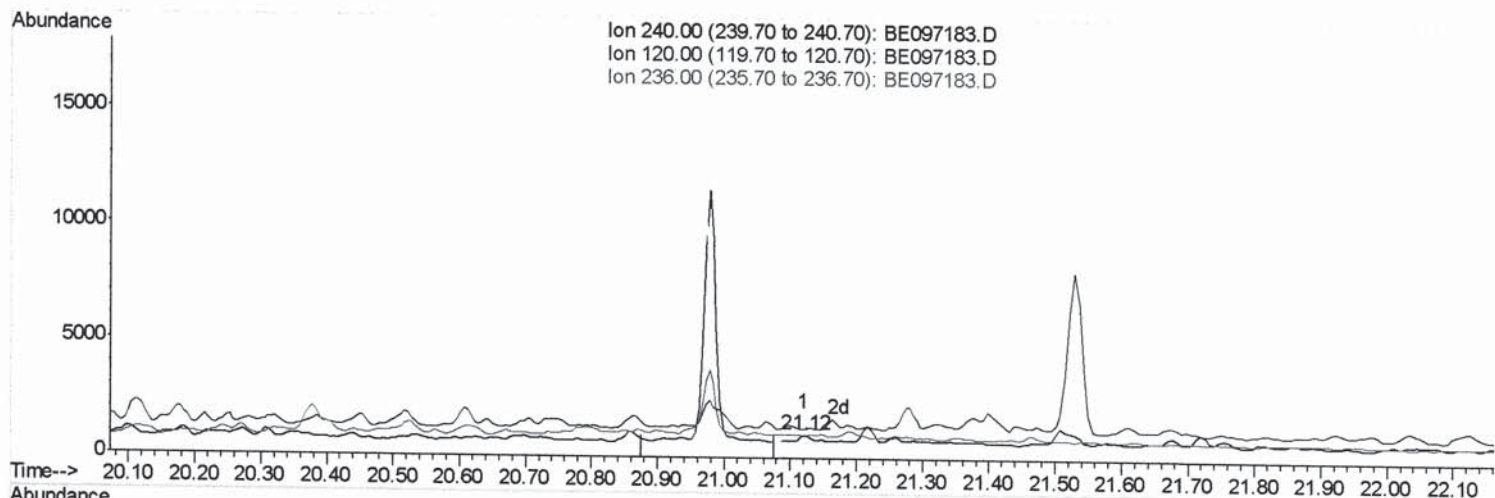
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Manual Integrations
APPROVED

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(16) Chrysene-d12 (I)

21.121min (+0.143) 0.40ng/ul

response 572

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	124.33#
236.00	34.90	94.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

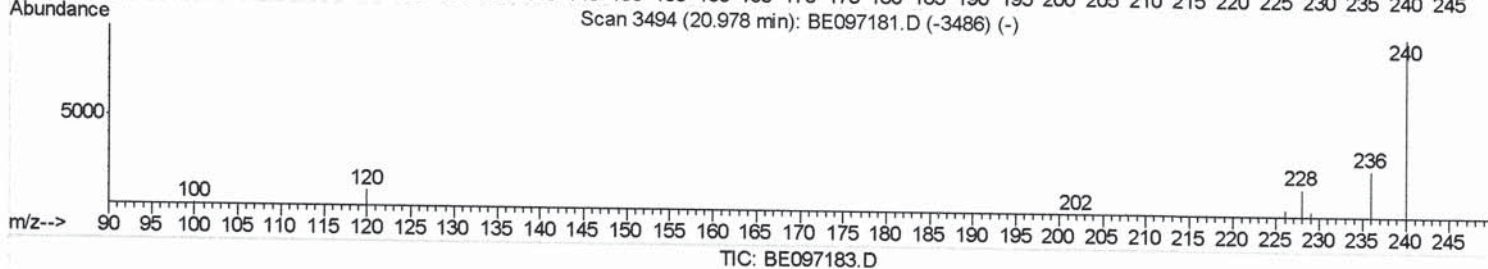
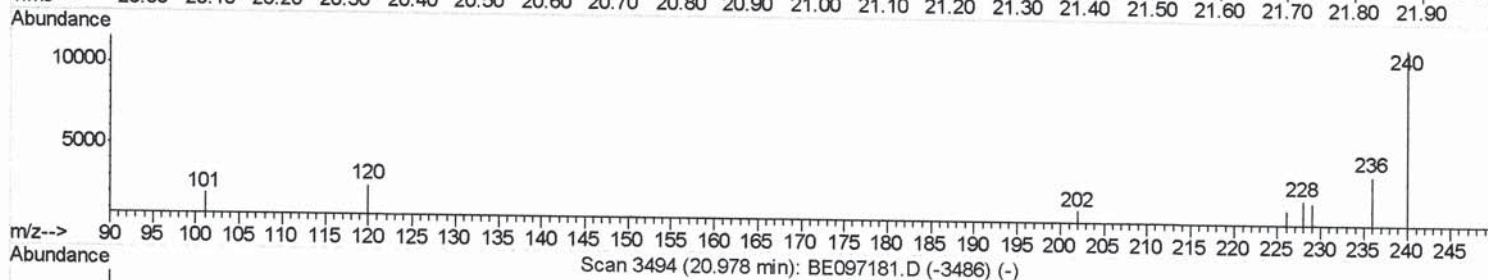
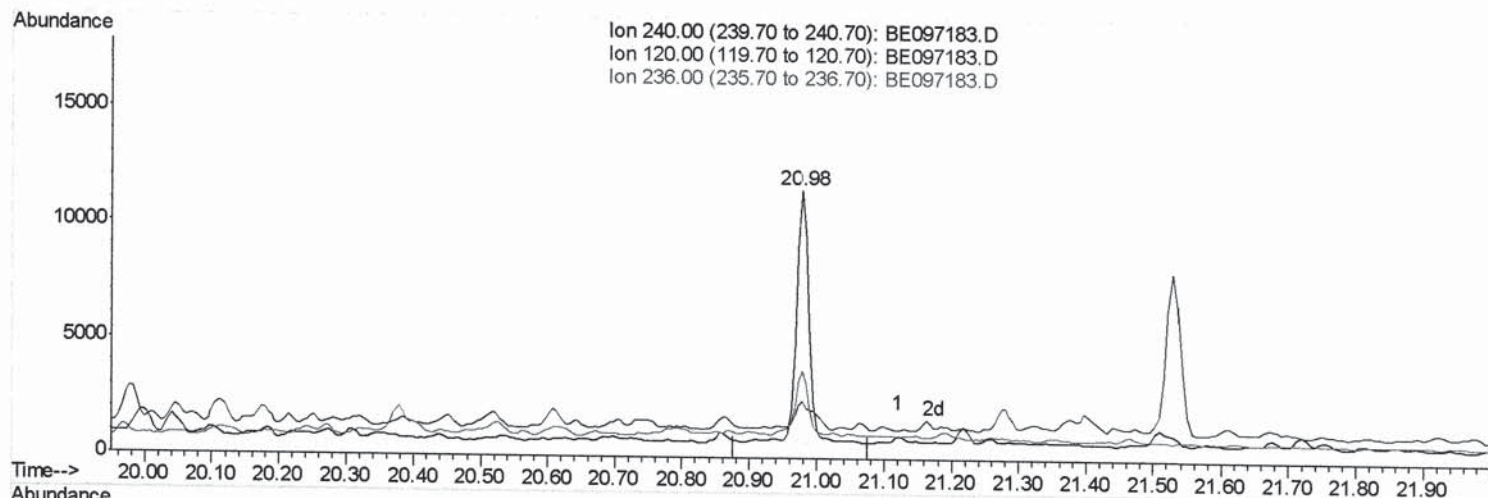
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(16) Chrysene-d12 (I)

20.978min (-0.000) 0.40ng/ul m

response 13081

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	21.55
236.00	34.90	32.57
0.00	0.00	0.00

SJ 8/7/18

Quantitation Report (Qedit)

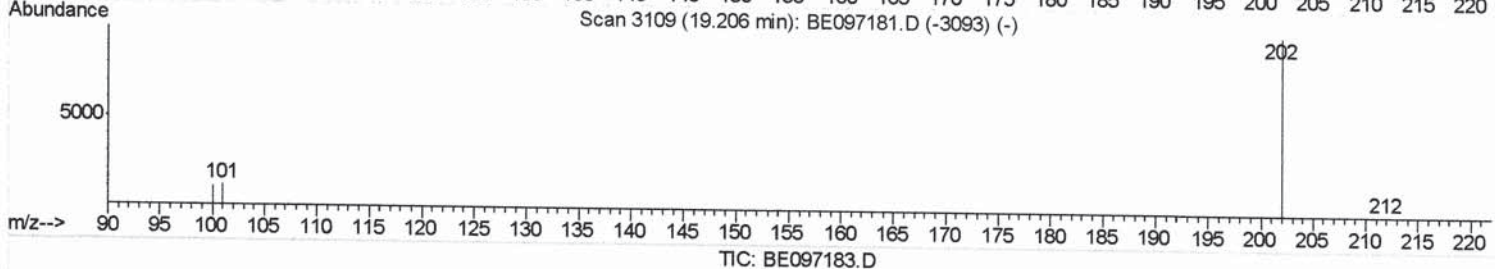
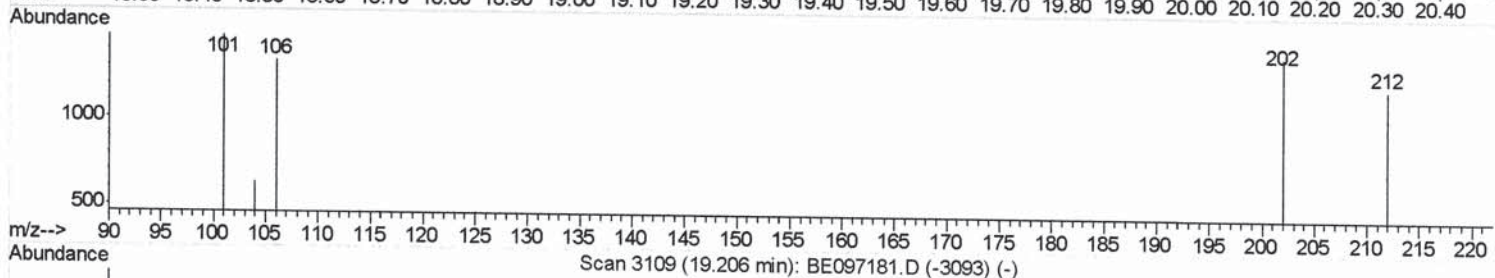
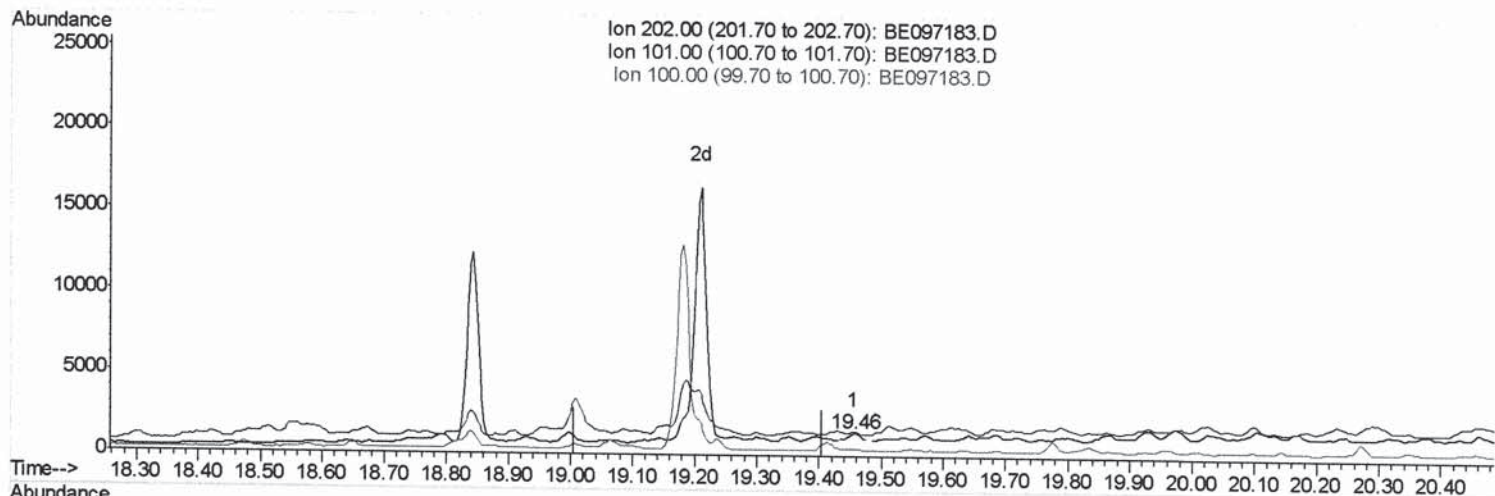
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(17) Pyrene

19.456min (+0.250) 0.02ng/ul

response 642

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	105.81#
100.00	19.50	32.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

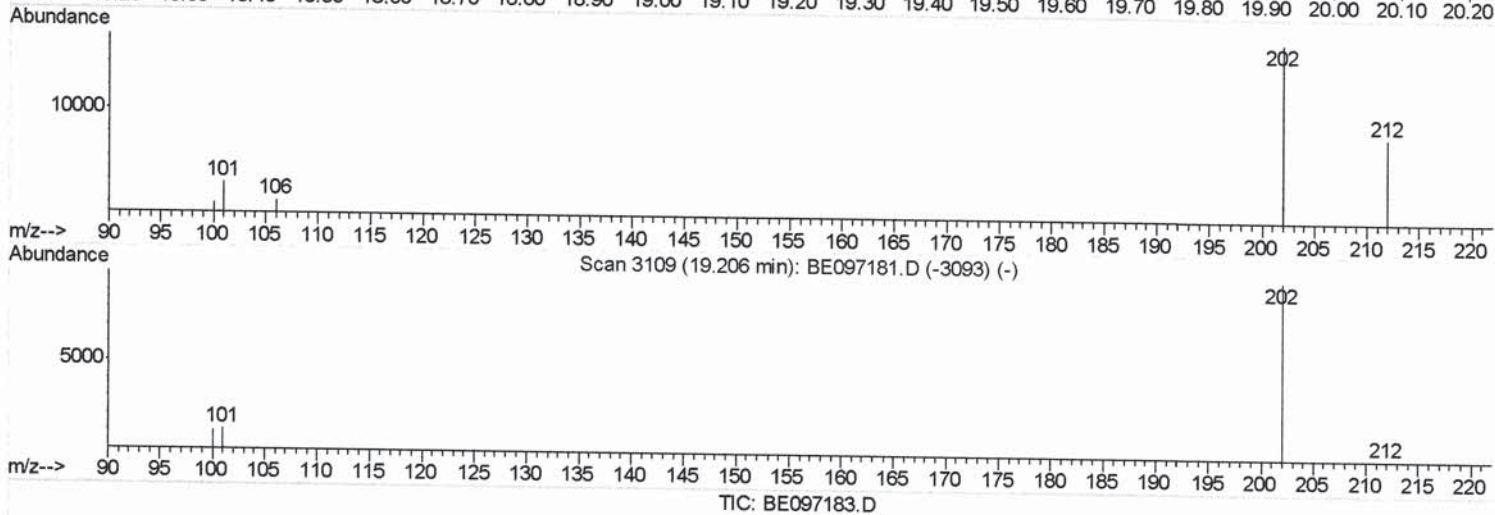
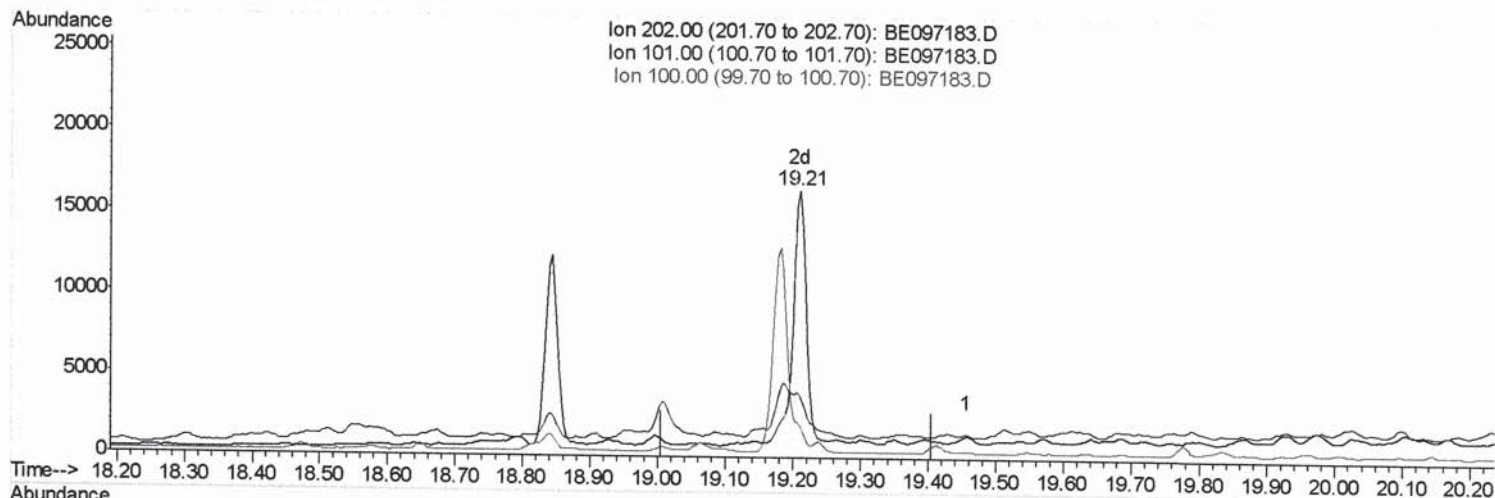
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(17) Pyrene

19.210min (+0.004) 0.53ng/ul m

response 18744

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	22.74
100.00	19.50	11.72#
0.00	0.00	0.00

SJ 8/7/18

Quantitation Report (Qedit)

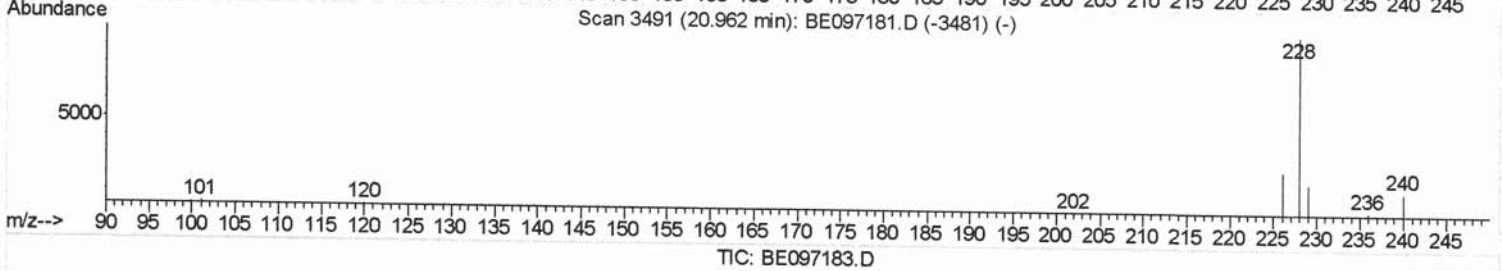
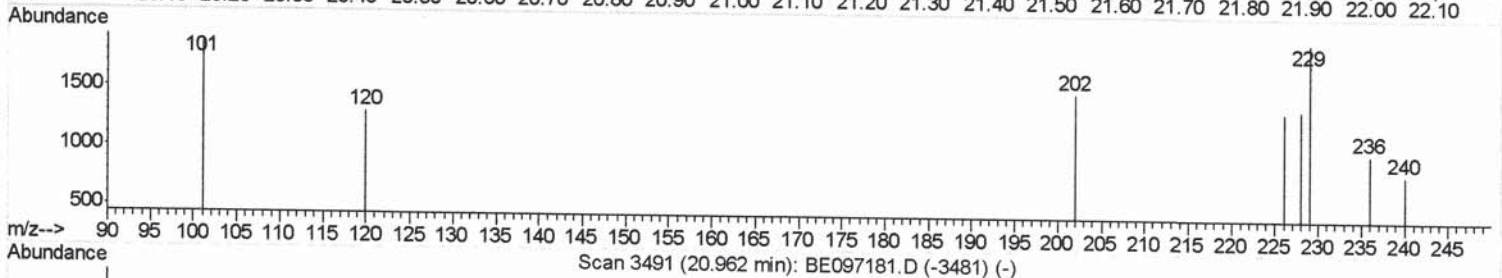
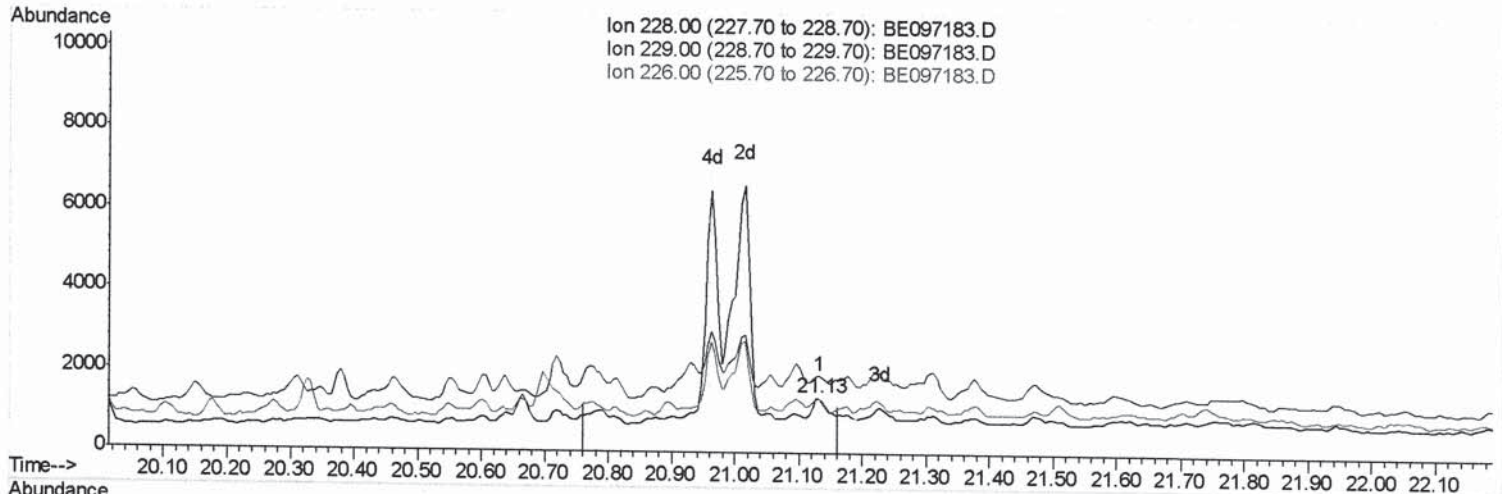
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 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:50:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration



(18) Benzo(a)anthracene
 21.132min (+0.170) 0.03ng/ul
 response 968

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	140.94#
226.00	21.30	98.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

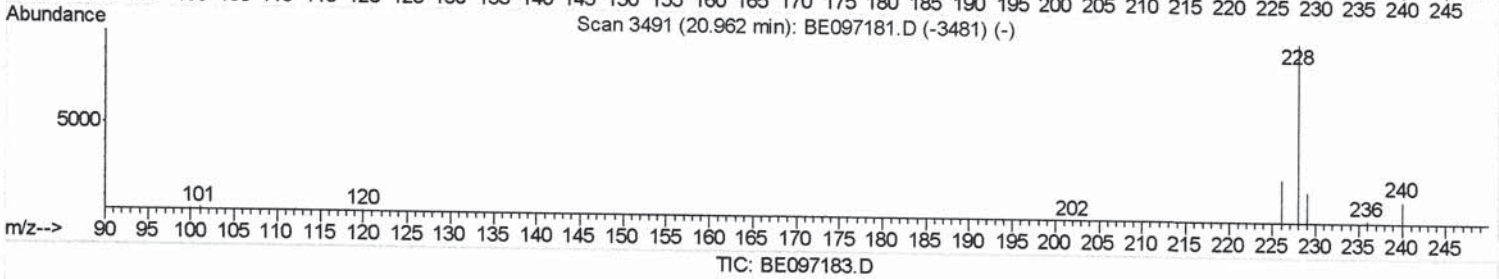
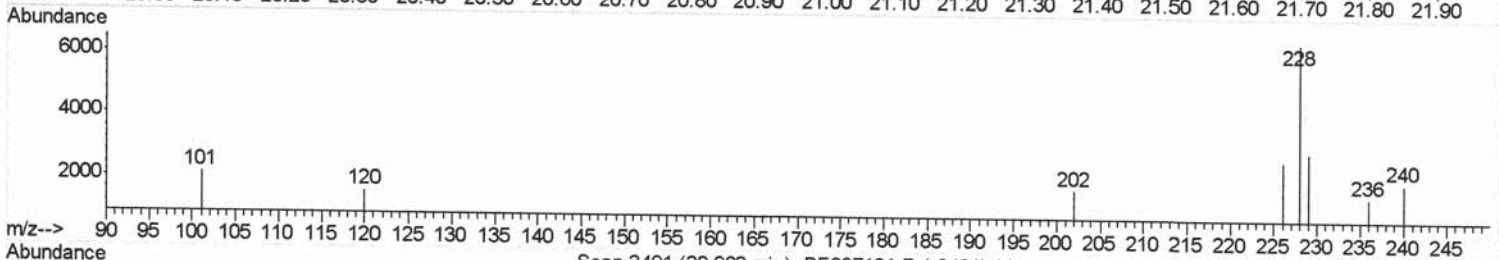
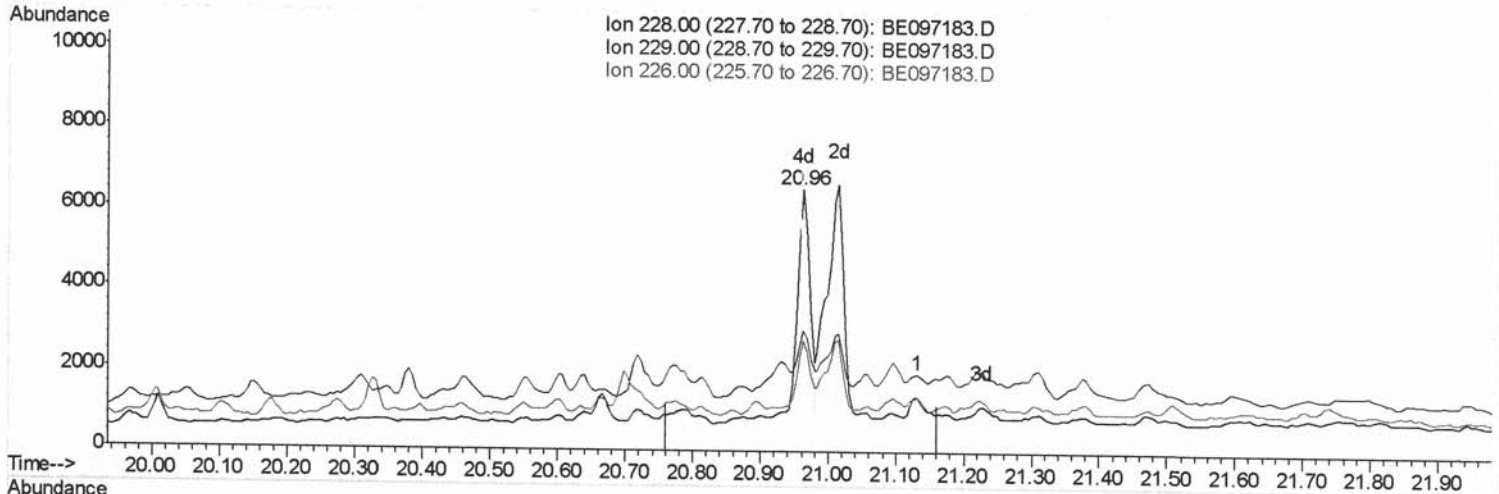
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:50:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration



(18) Benzo(a)anthracene

20.962min (-0.000) 0.18ng/ul m

31 8/7/18

response 6715

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	46.02#
226.00	21.30	42.32#
0.00	0.00	0.00

Quantitation Report (Qedit)

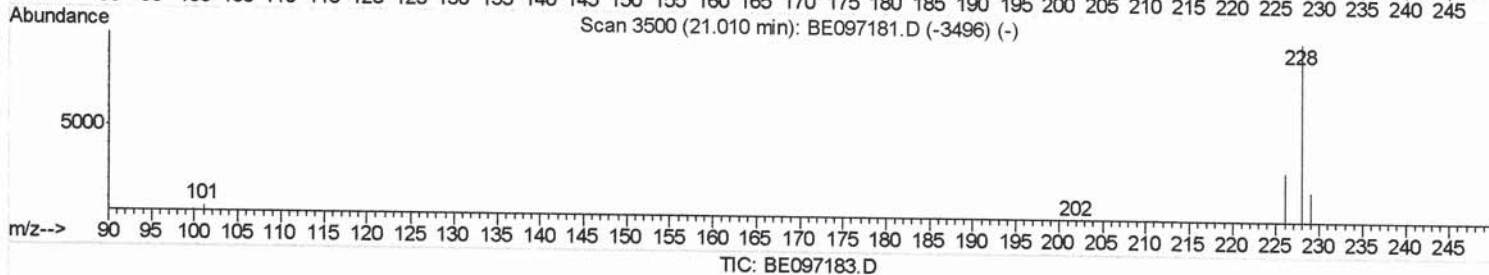
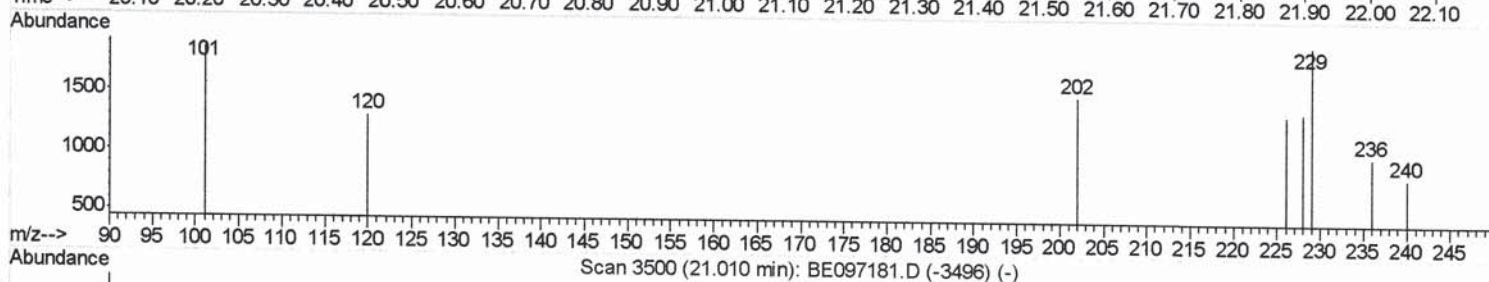
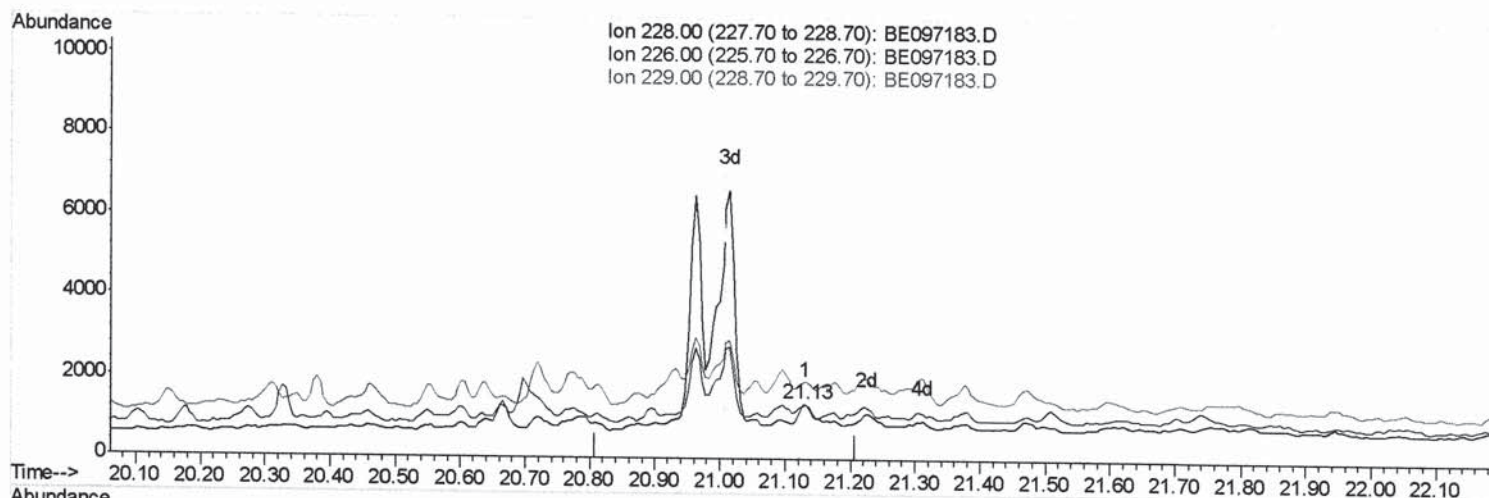
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097183.D
Acq On : 3 Aug 2018 17:18
Operator : SJ/JU
Sample : J4171-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1J3

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:50:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 03 23:39:09 2018
Response via : Initial Calibration



(19) Chrysene

21.132min (+0.122) 0.03ng/ui

response 1099

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	98.68#
229.00	22.10	140.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

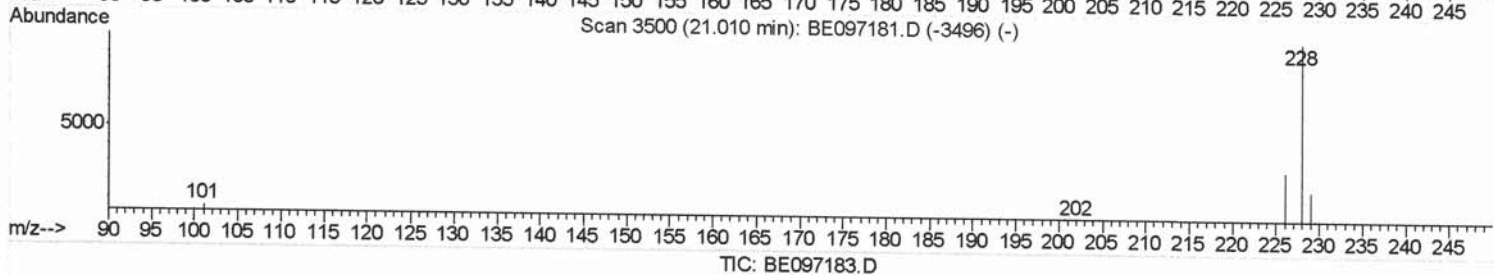
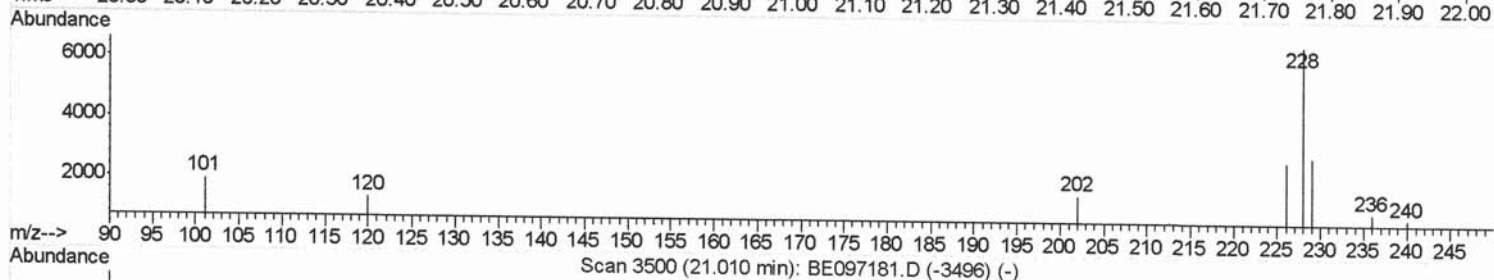
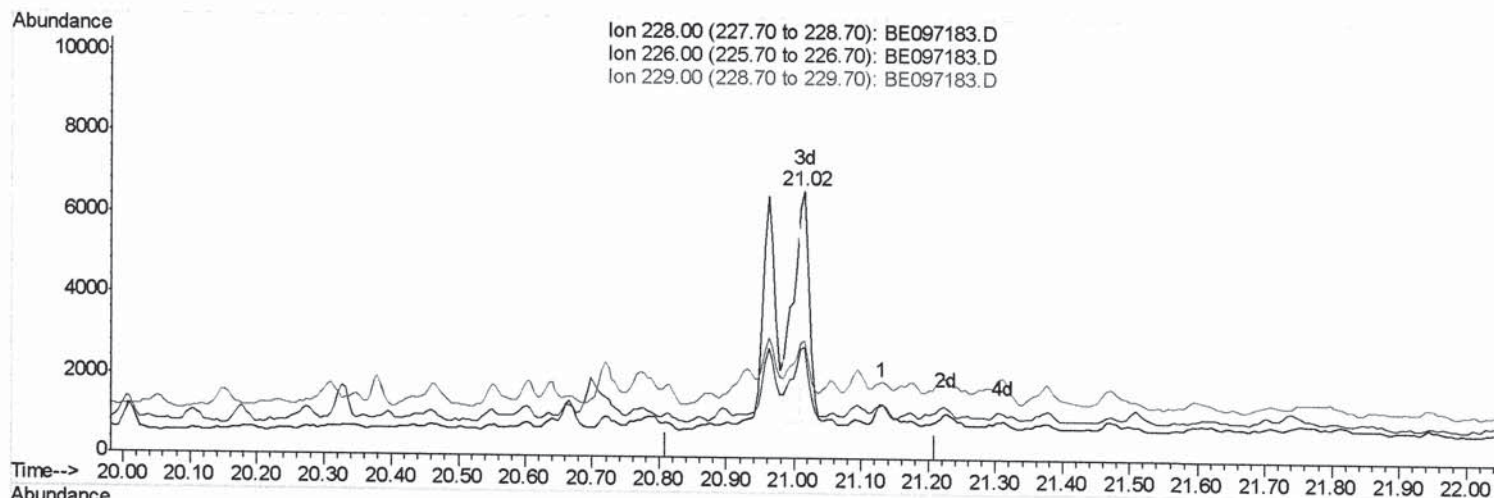
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097183.D
Acq On : 3 Aug 2018 17:18
Operator : SJ/JU
Sample : J4171-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1J3

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:50:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 03 23:39:09 2018
Response via : Initial Calibration



(19) Chrysene

21.015min (+0.005) 0.24ng/ul m

SJ 8/7/18

response 9389

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	41.62#
229.00	22.10	43.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

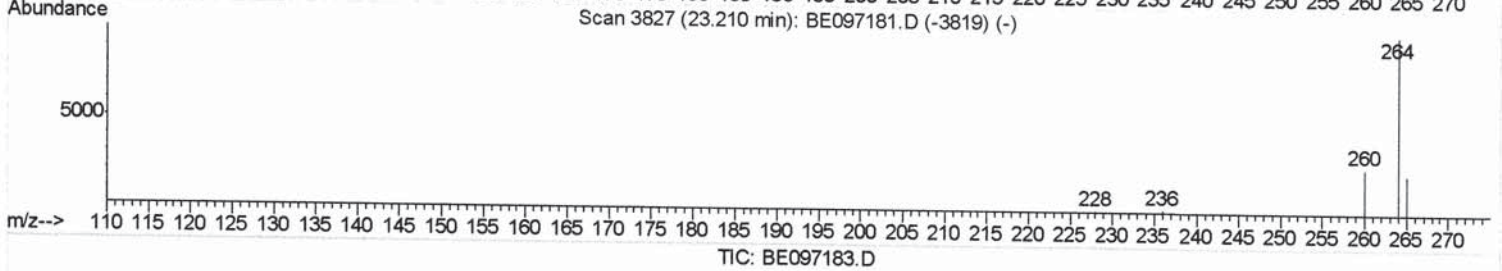
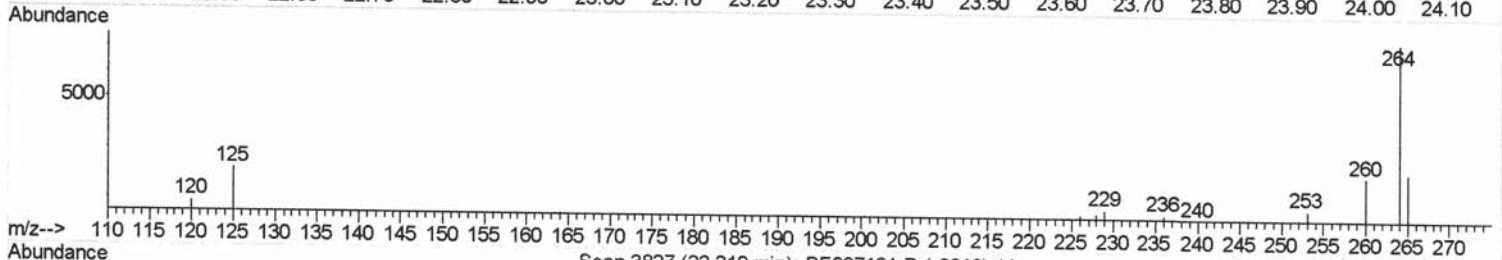
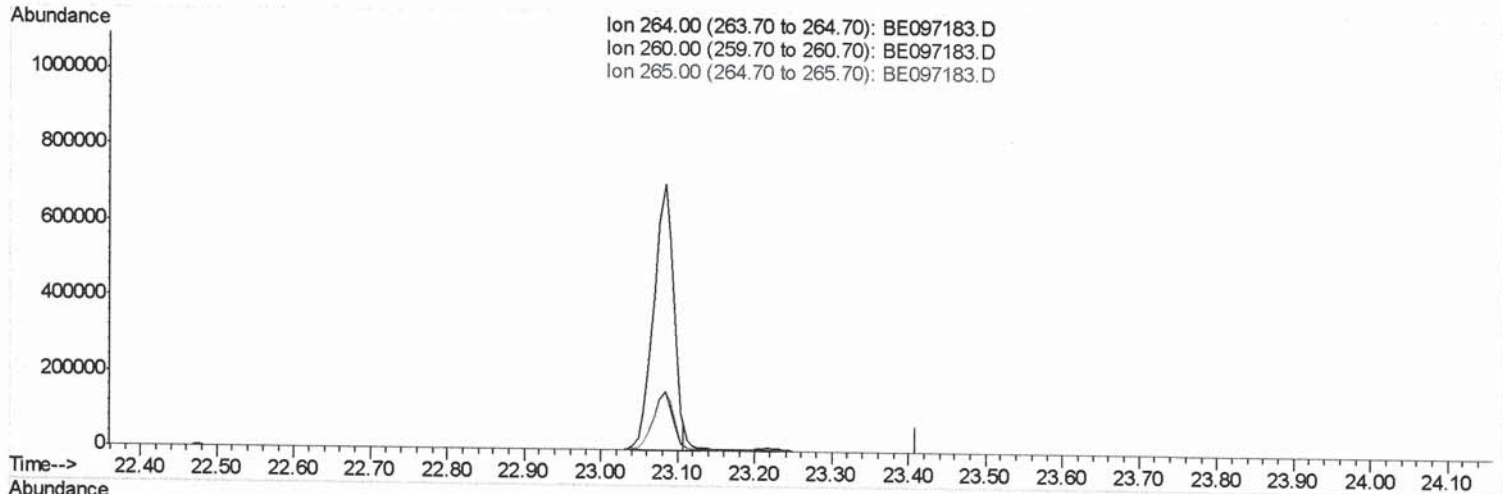
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:50:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.210min (-23.210) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

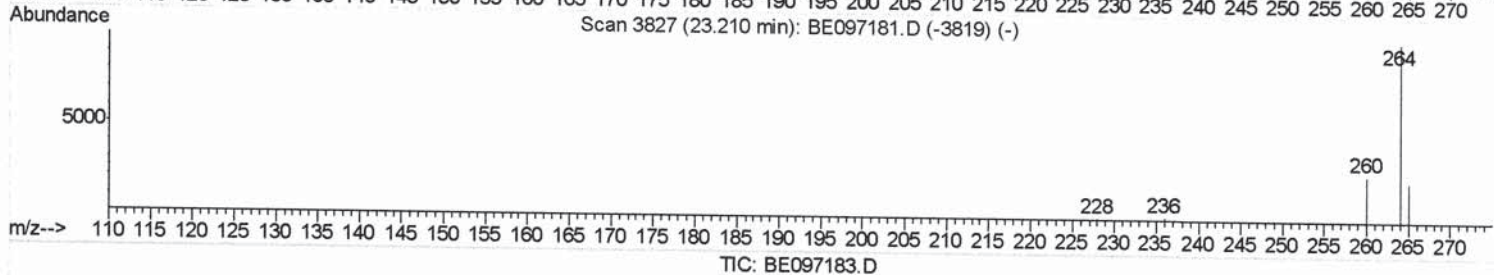
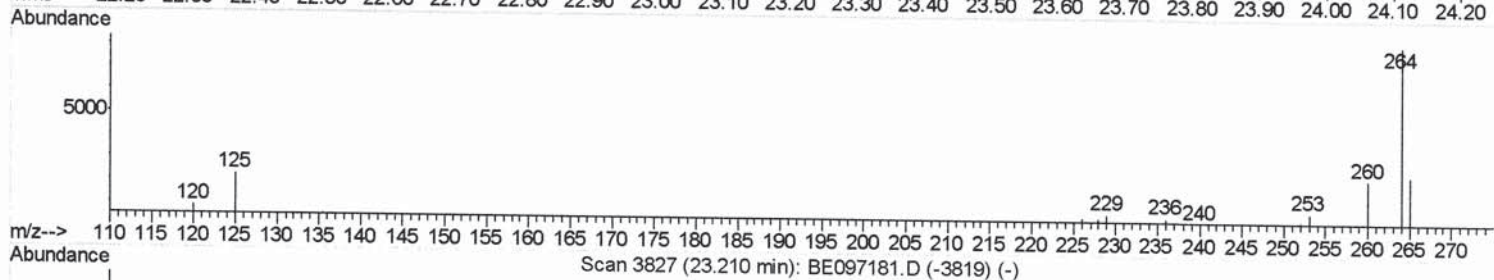
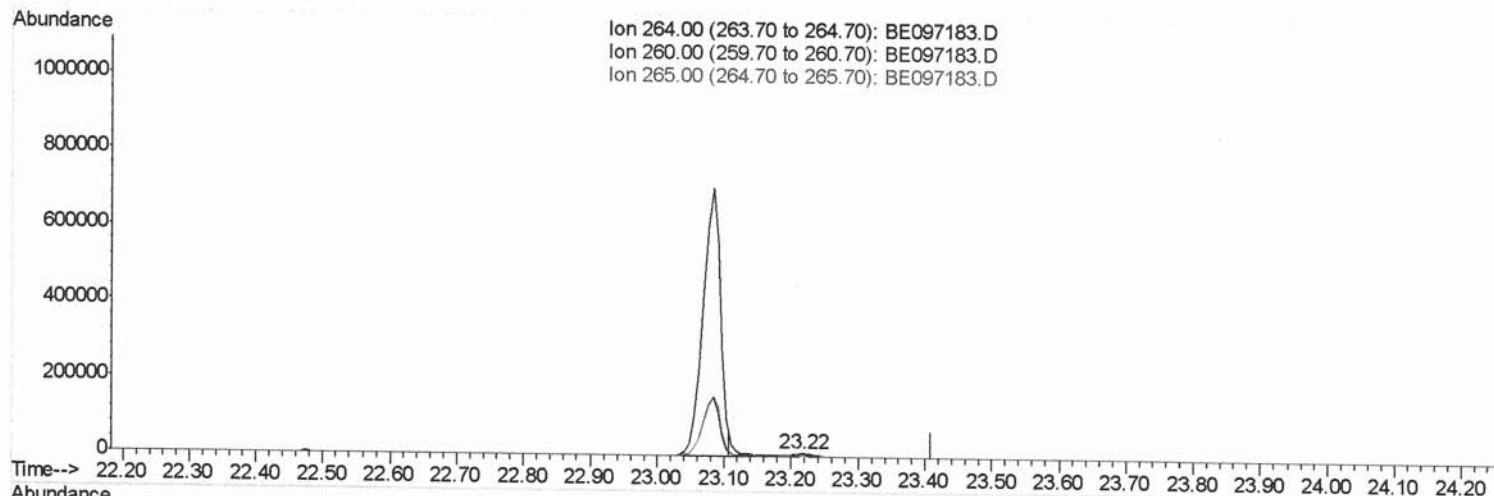
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097183.D
Acq On : 3 Aug 2018 17:18
Operator : SJ/JU
Sample : J4171-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1J3

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:50:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 03 23:39:09 2018
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.217min (+0.007) 0.40ng/ul m

response 11635

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.03
265.00	103.50	30.73#
0.00	0.00	0.00

518/7/18

Quantitation Report (Qedit)

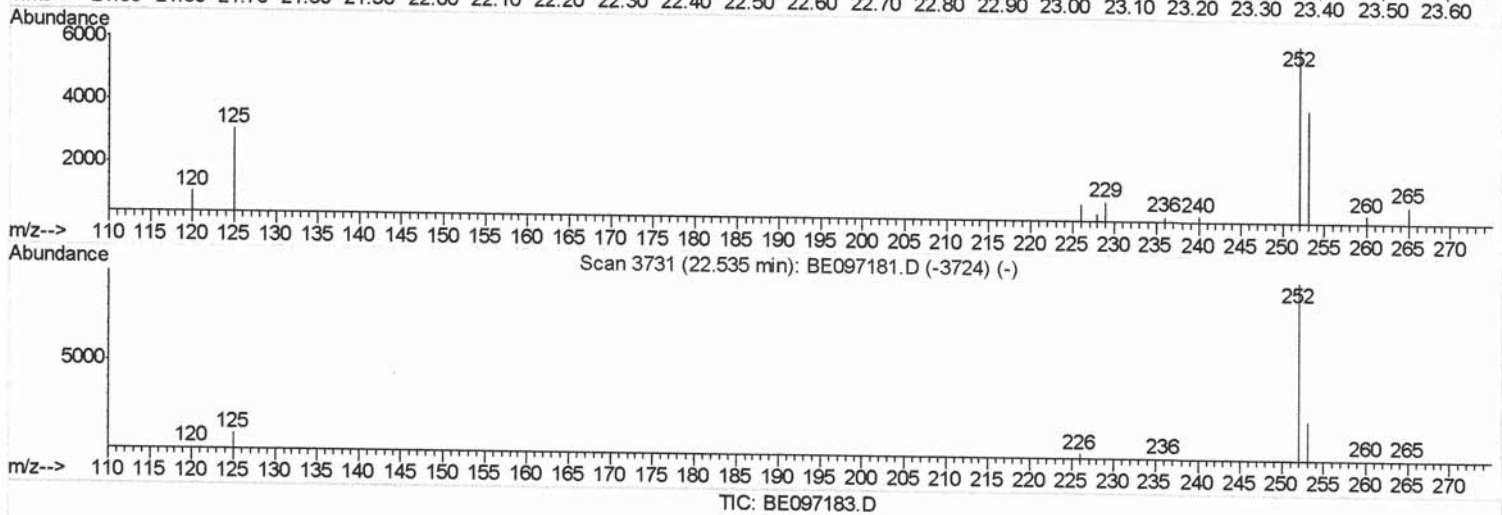
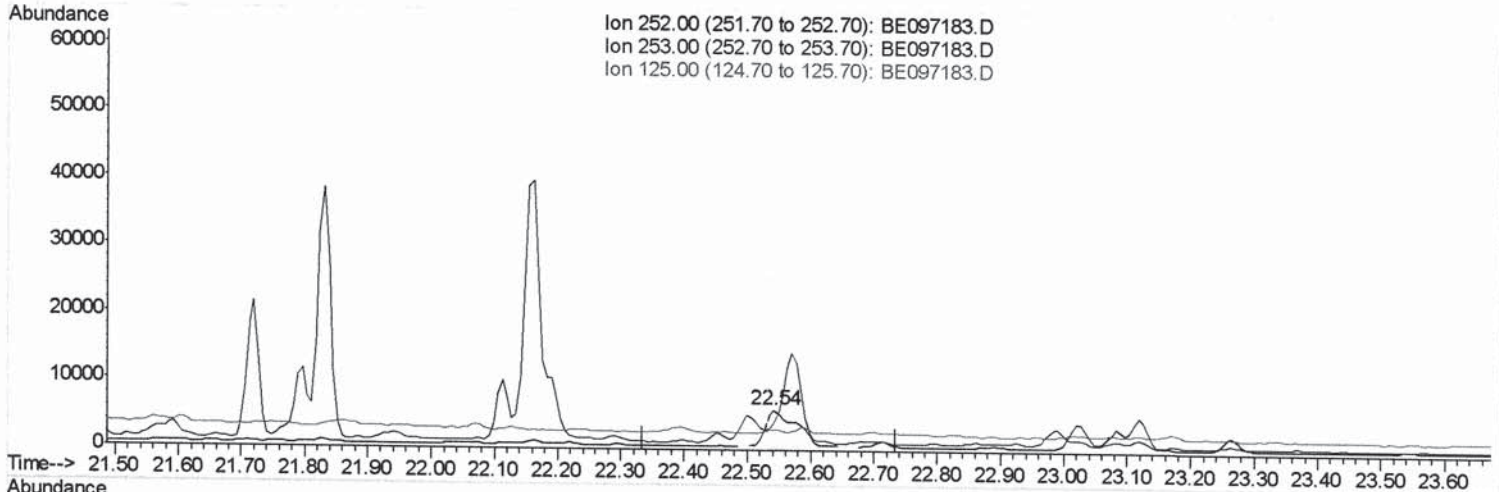
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:53:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 22.541min (+0.007) 0.56ng/ul
 response 17907

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	66.03#
125.00	17.50	50.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

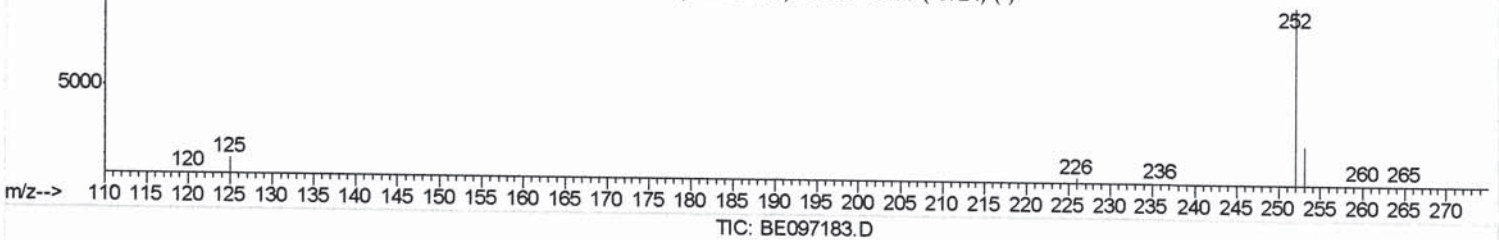
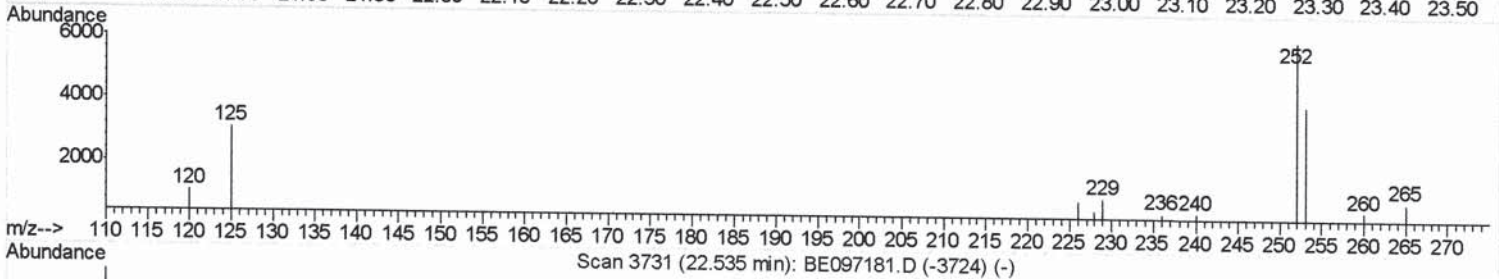
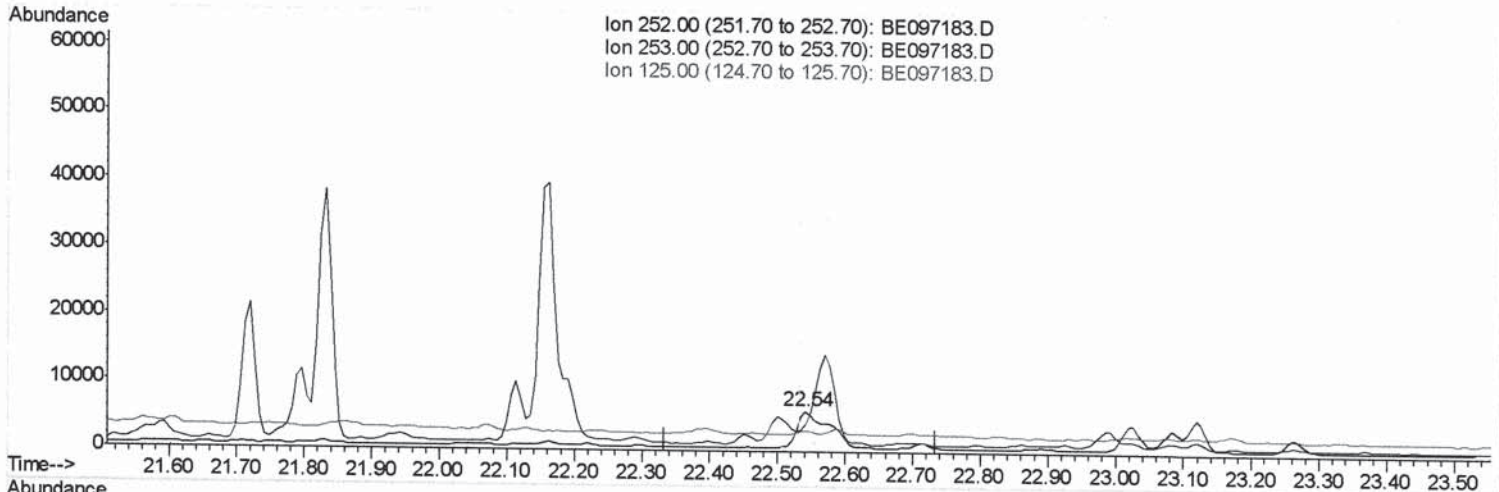
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:53:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.541min (+0.007) 0.32ng/ul m

SJ 8/7/18

response 10165

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	66.03#
125.00	17.50	50.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

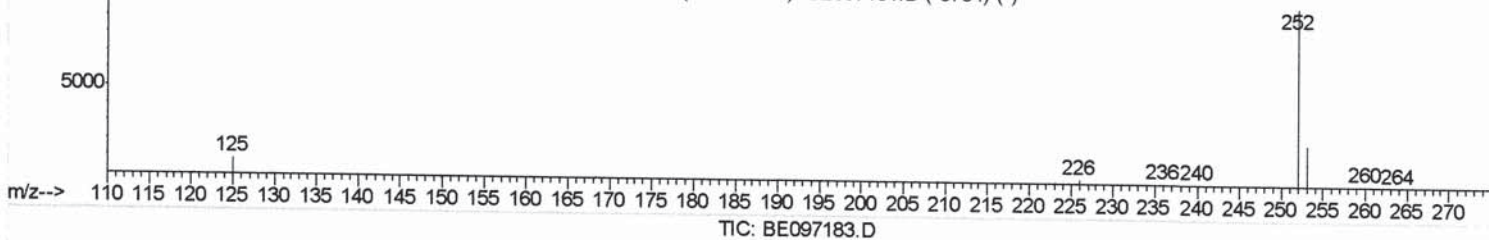
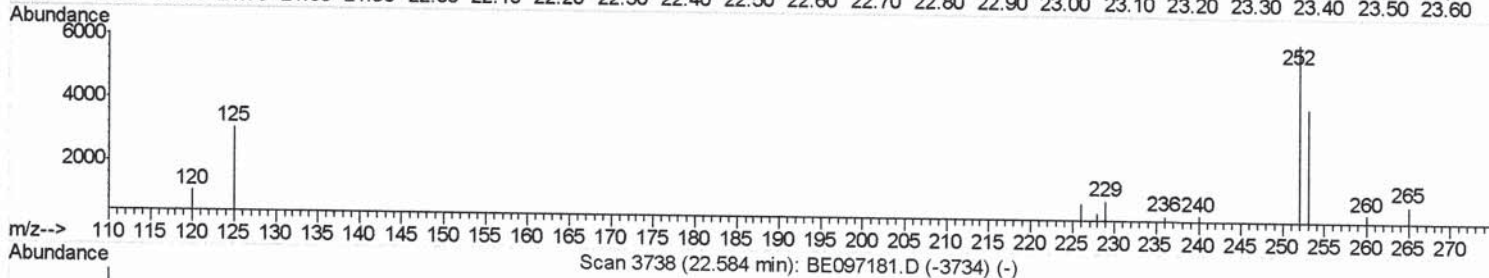
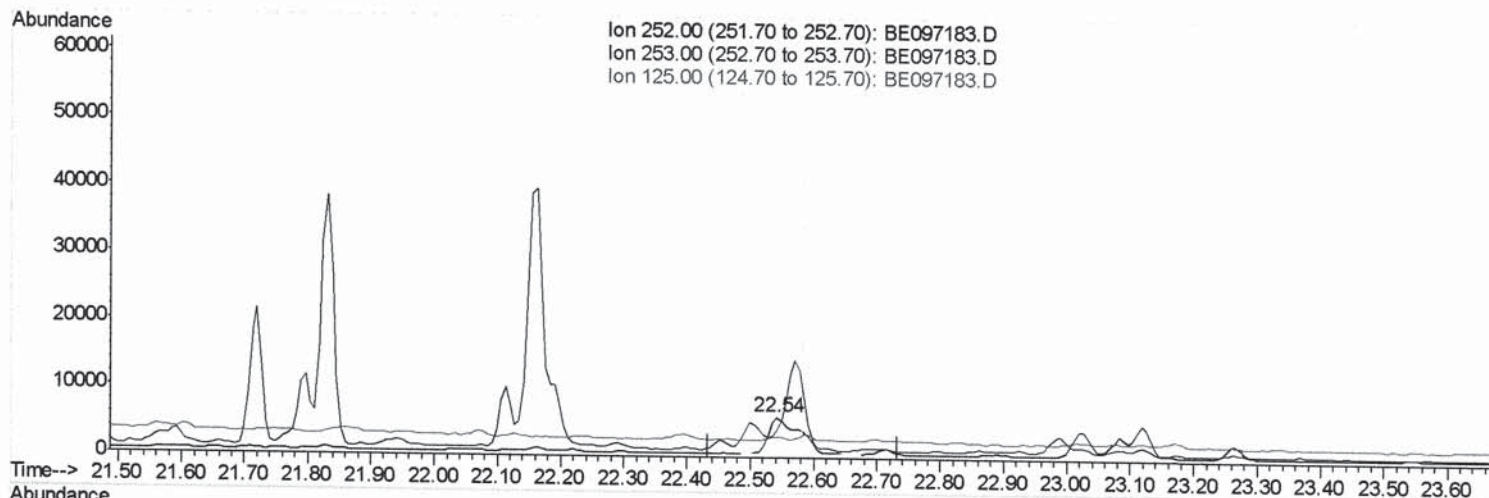
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:53:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene
 22.541min (-0.043) 0.52ng/ul
 response 17907

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	66.03#
125.00	17.10	50.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

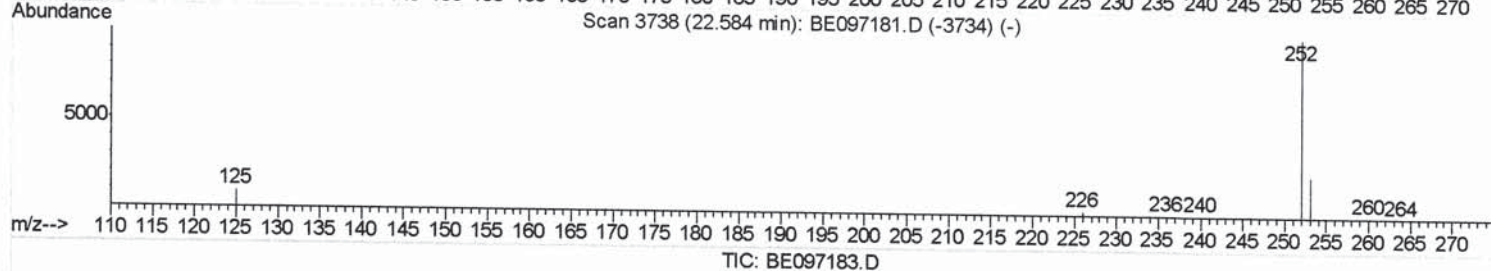
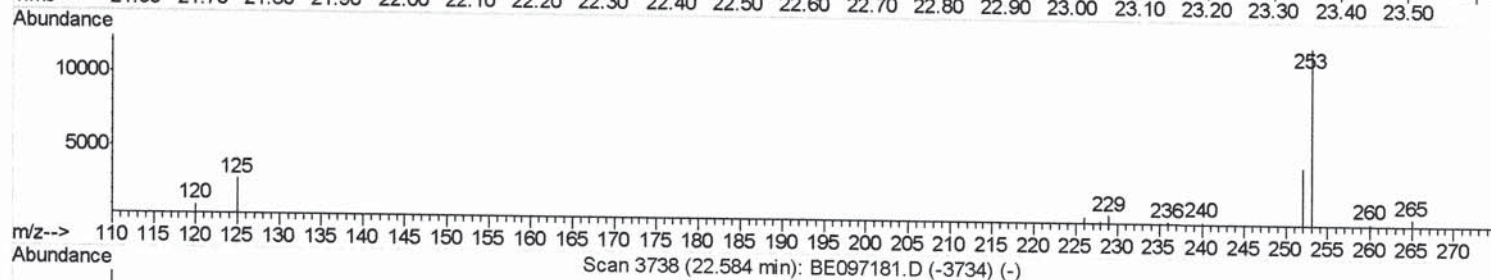
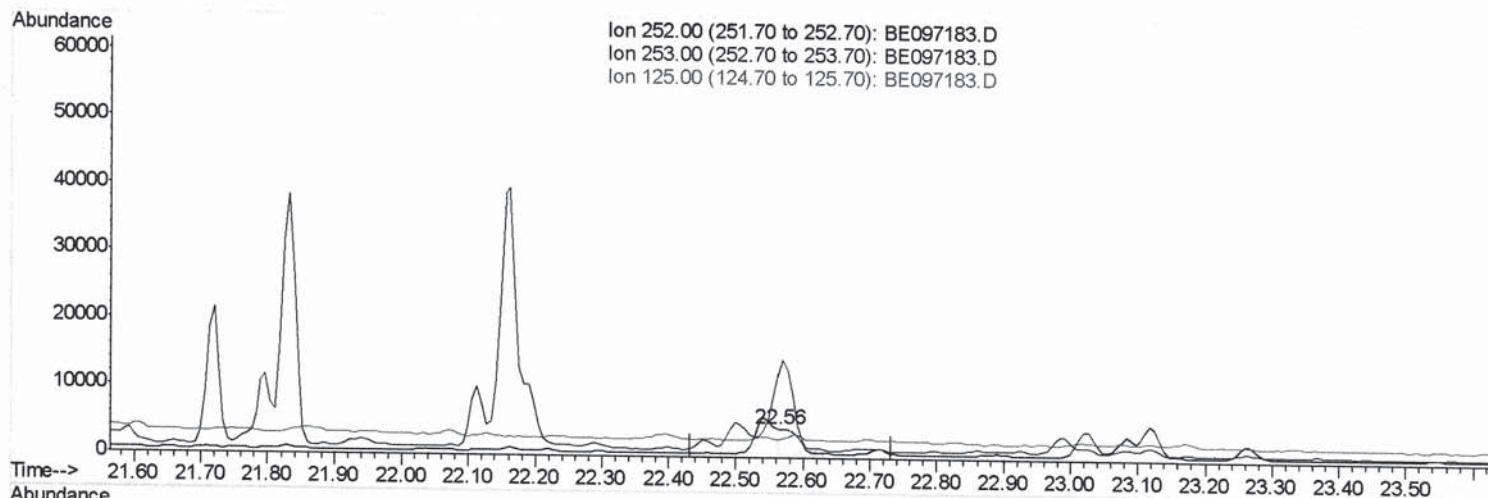
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097183.D
Acq On : 3 Aug 2018 17:18
Operator : SJ/JU
Sample : J4171-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1J3

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:53:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 03 23:39:09 2018
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.563min (-0.021) 0.20ng/ul m

response 6872

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	288.31#
125.00	17.10	65.11#
0.00	0.00	0.00

518/7/18

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097183.D
 Acq On : 3 Aug 2018 17:18
 Operator : SJ/JU
 Sample : J4171-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1J3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:25 PM

Quant Time: Aug 03 23:54:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 03 23:39:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) 1,4-Dichlorobenzene-d4	7.39	152	1510	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	7960	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	5605	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	12629m	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	13081m	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	11635m	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.73	152	5844	0.46	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	17222m	0.40	ng/ul	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.19	128	4716	0.245	ng/ul#	83
5) 2-Methylnaphthalene	11.80	142	2647	0.208	ng/ul	94
8) Acenaphthene	14.09	153	1118	0.064	ng/ul#	87
9) Fluorene	15.08	166	490	0.024	ng/ul#	51
12) Phenanthrene	16.81	178	7167m	0.223	ng/ul	
13) Anthracene	16.90	178	1150m	0.038	ng/ul	
15) Fluoranthene	18.84	202	14896m	0.350	ng/ul	
17) Pyrene	19.21	202	18744m	0.535	ng/ul	
18) Benzo(a)anthracene	20.96	228	6715m	0.180	ng/ul	
19) Chrysene	21.02	228	9389m	0.244	ng/ul	
21) Benzo(b)fluoranthene	22.54	252	10165m	0.321	ng/ul	
22) Benzo(k)fluoranthene	22.56	252	6872m	0.201	ng/ul	
23) Benzo(a)pyrene	23.12	252	8028	0.253	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.50	276	5971	0.150	ng/ul#	78
26) Benzo(a,h,i)perylene	26.21	276	6418	0.187	ng/ul#	87

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