

Quantitation Report (QT Reviewed)

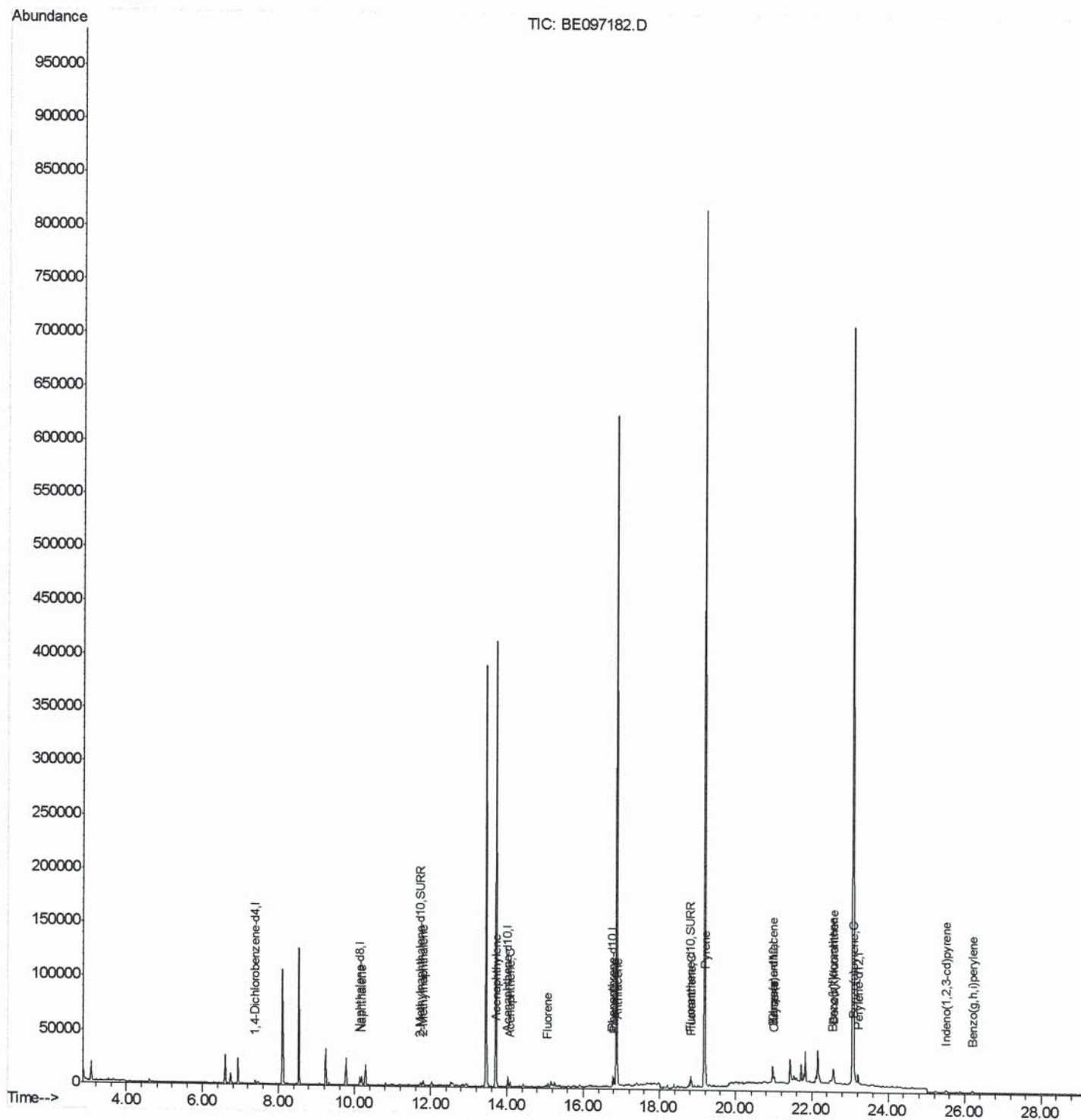
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:48:11 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)

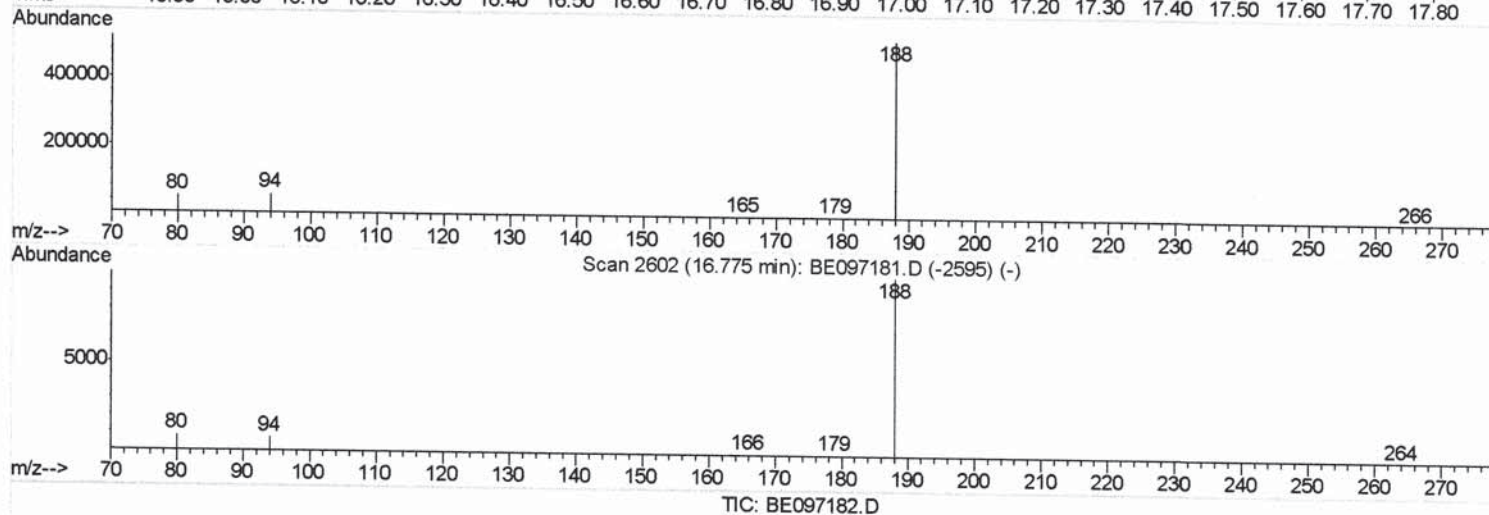
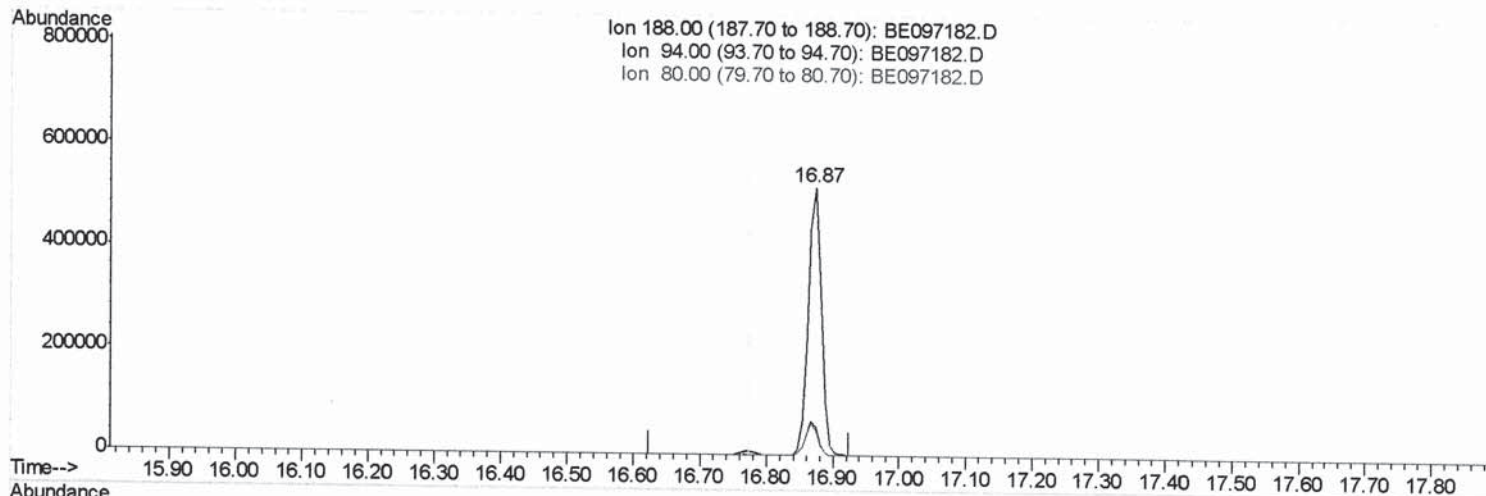
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
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Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:40:03 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



(10) Phenanthrene-d10 (I)
16.874min (+0.099) 0.40ng/ul
response 720134

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.49
80.00	11.80	9.49
0.00	0.00	0.00

Quantitation Report (Qedit)

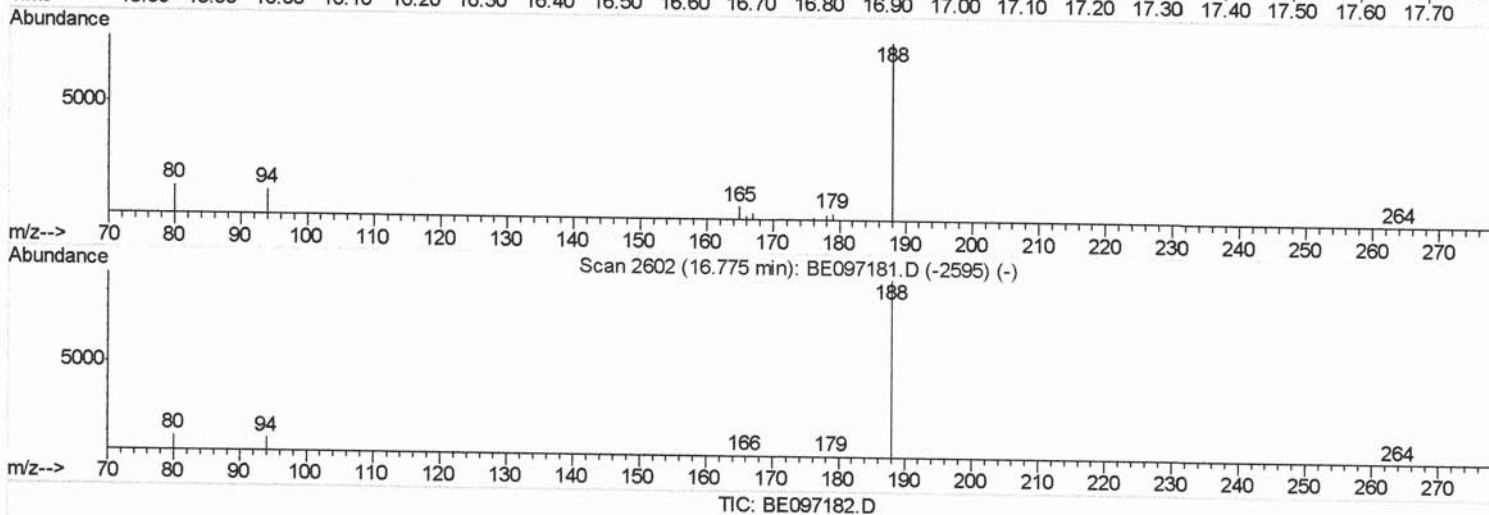
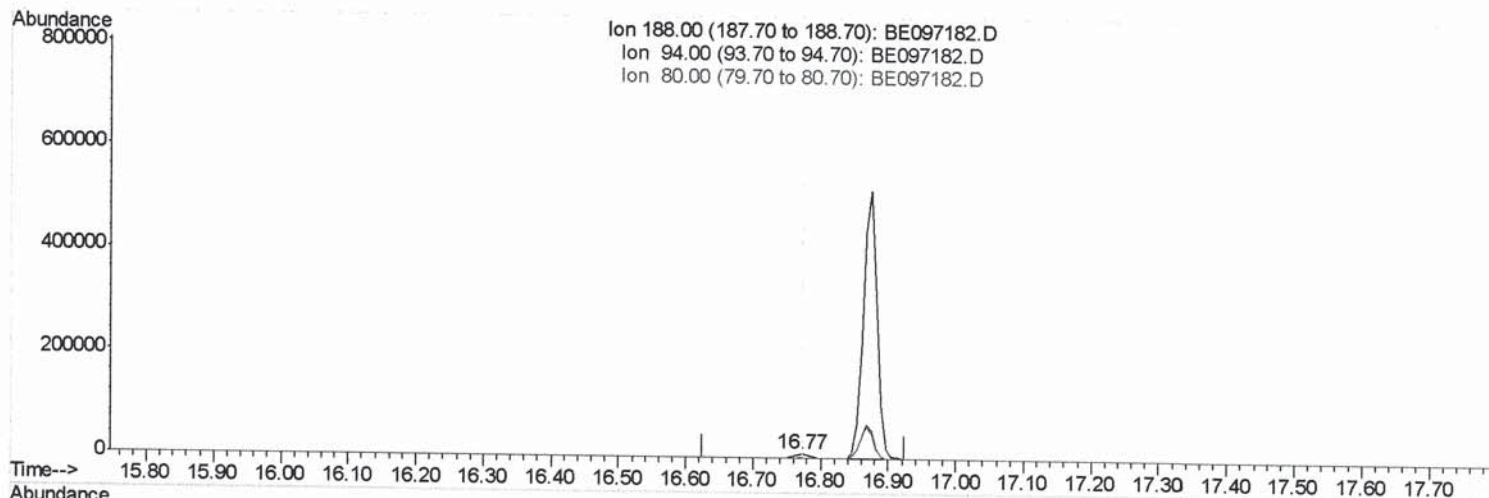
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(10) Phenanthrene-d10 (I)

16.768min (-0.007) 0.40ng/ul m

response 11517

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.36#
80.00	11.80	16.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

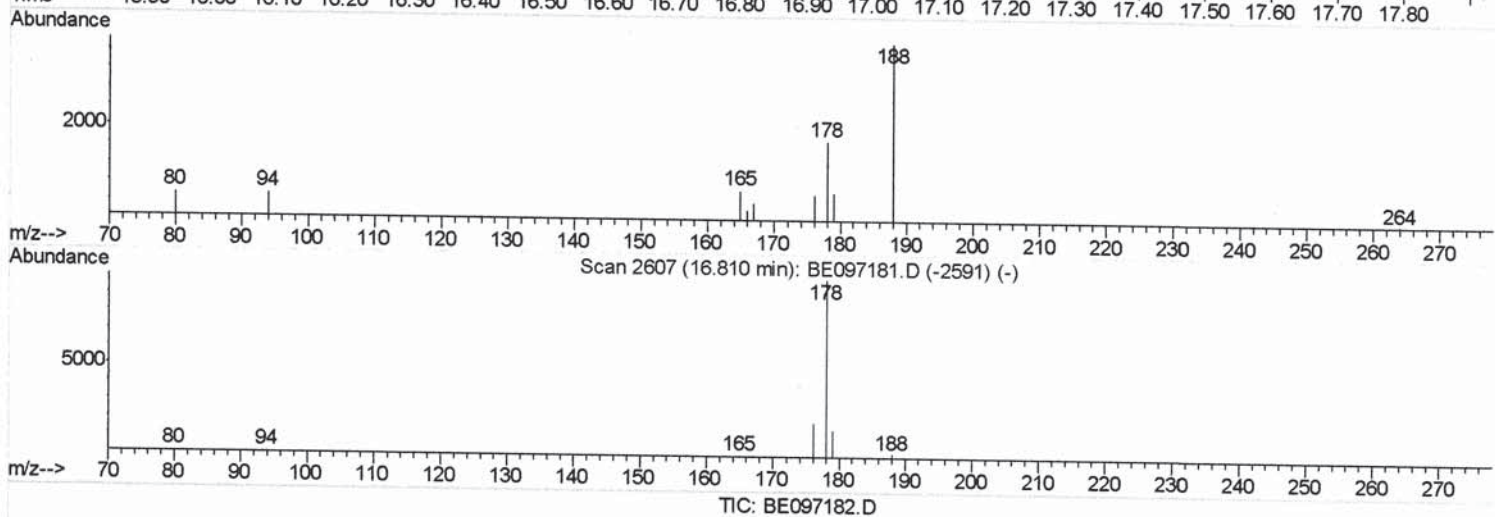
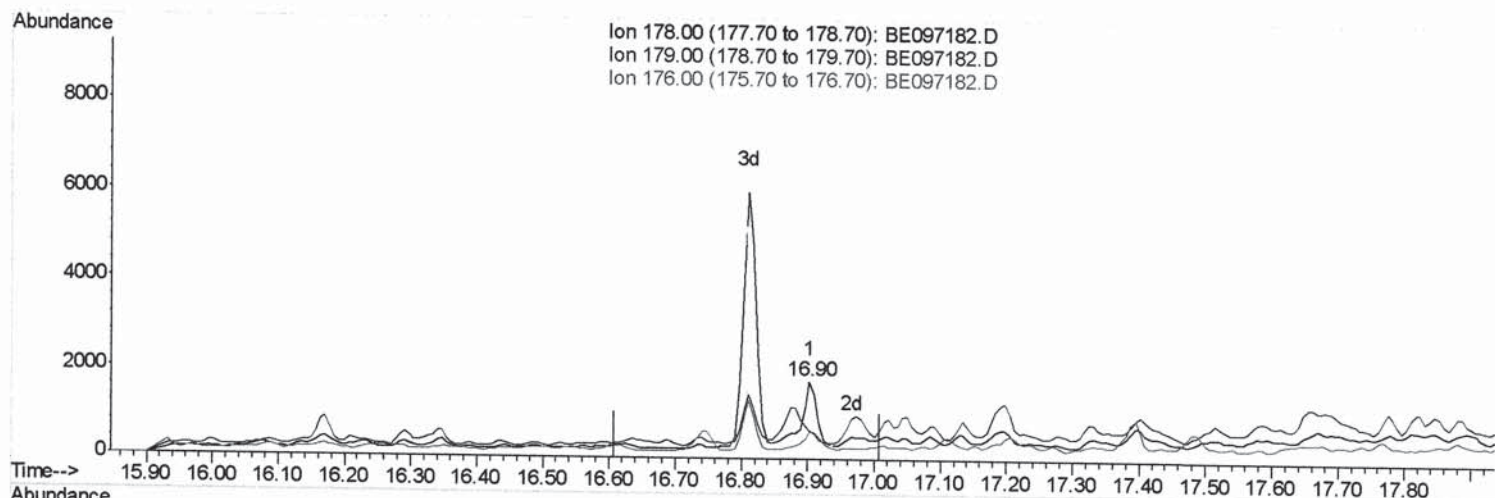
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(12) Phenanthrene

16.902min (+0.092) 0.08ng/ul

response 2326

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	37.80#
176.00	17.00	34.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

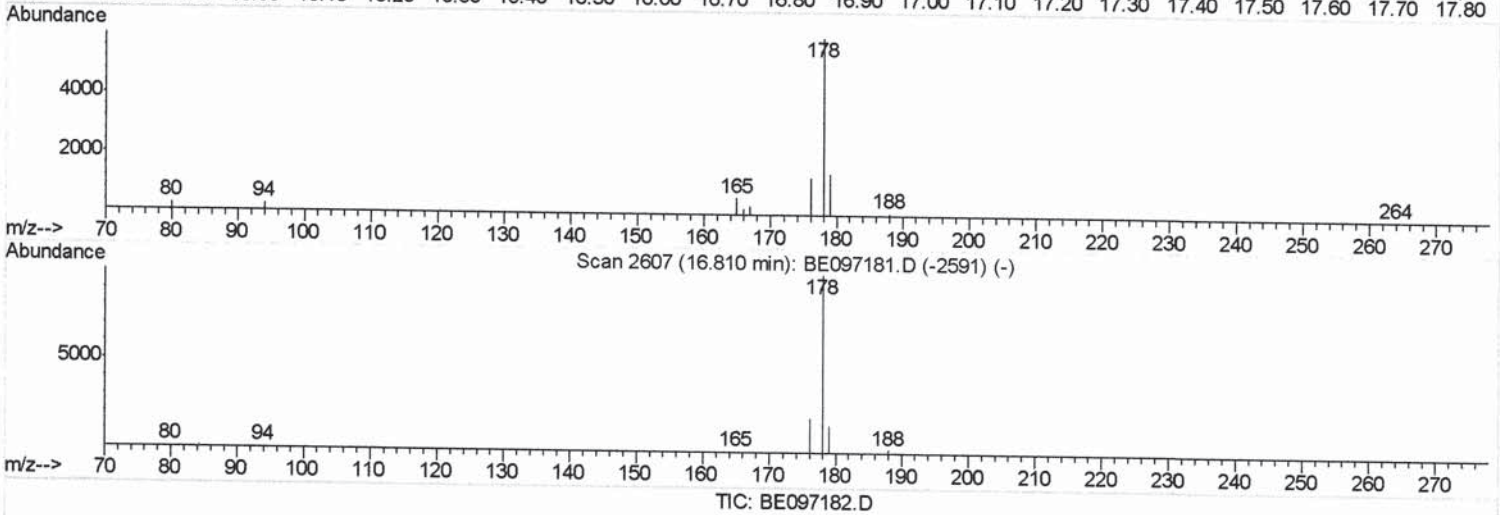
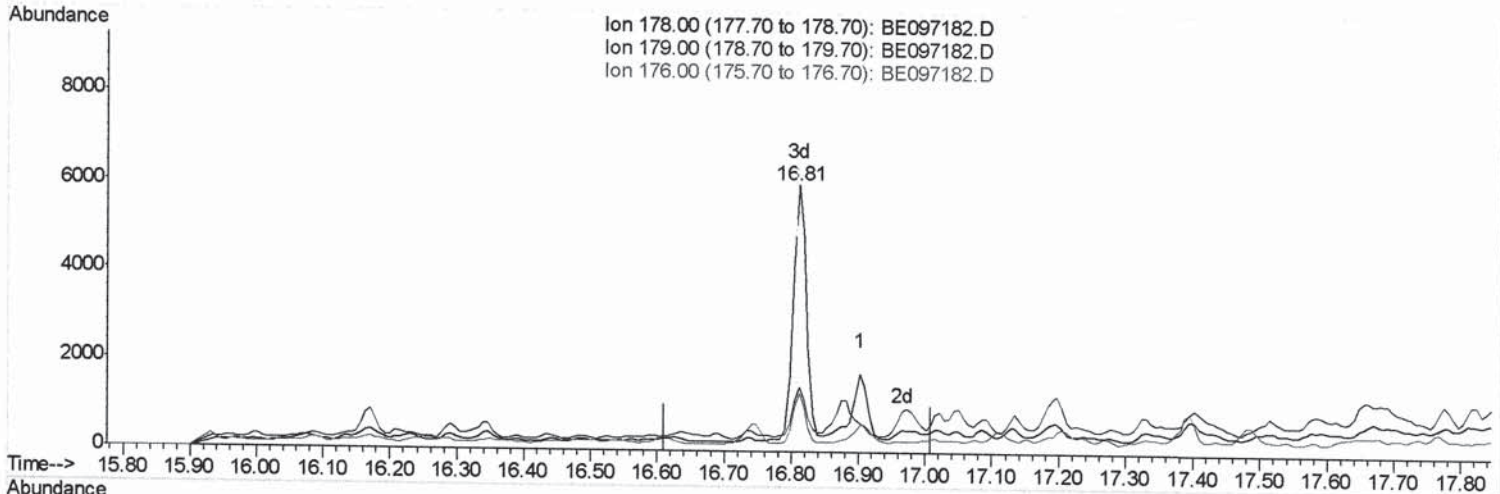
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(12) Phenanthrene

16.811min (+0.000) 0.27ng/ul m

SJ 8/7/18

response 8040

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	24.02
176.00	17.00	21.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

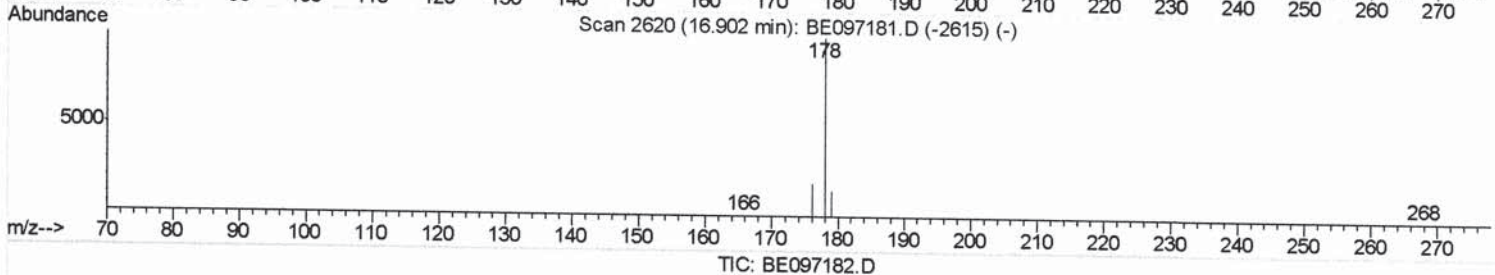
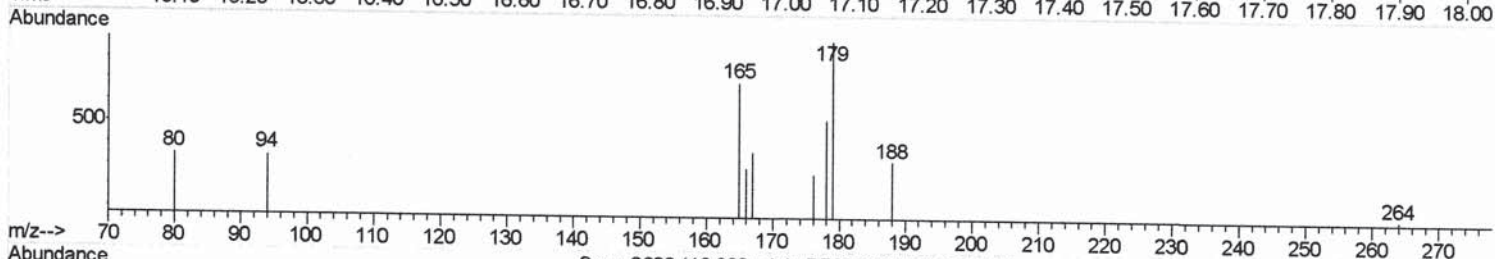
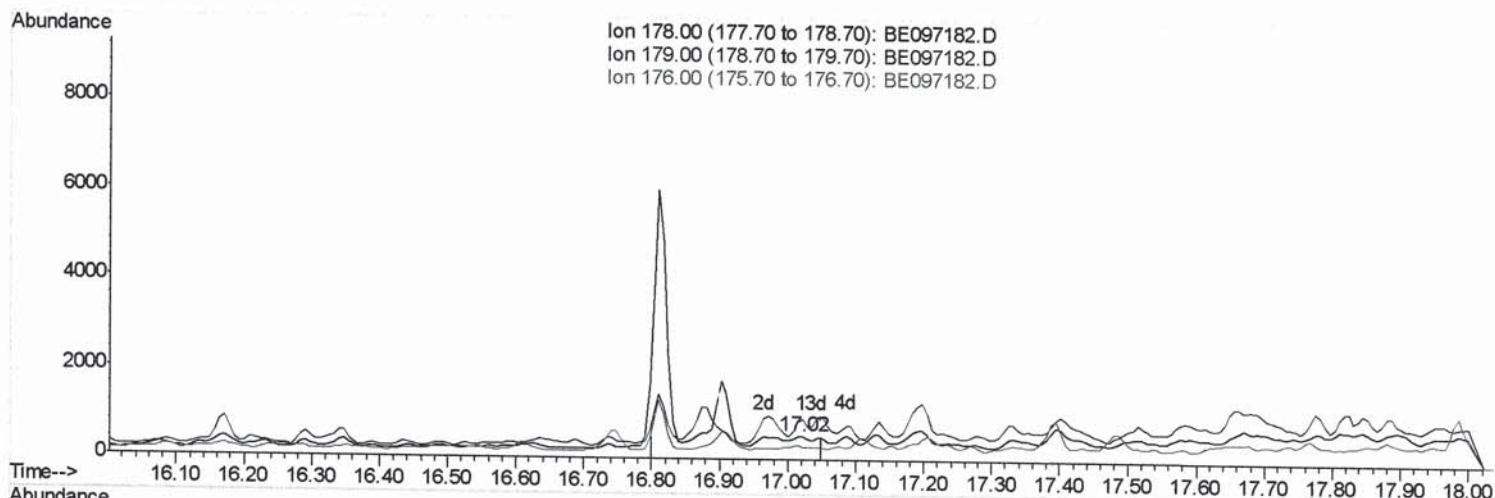
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(13) Anthracene

17.022min (+0.120) 0.01ng/ul

response 320

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	170.02#
176.00	18.40	51.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

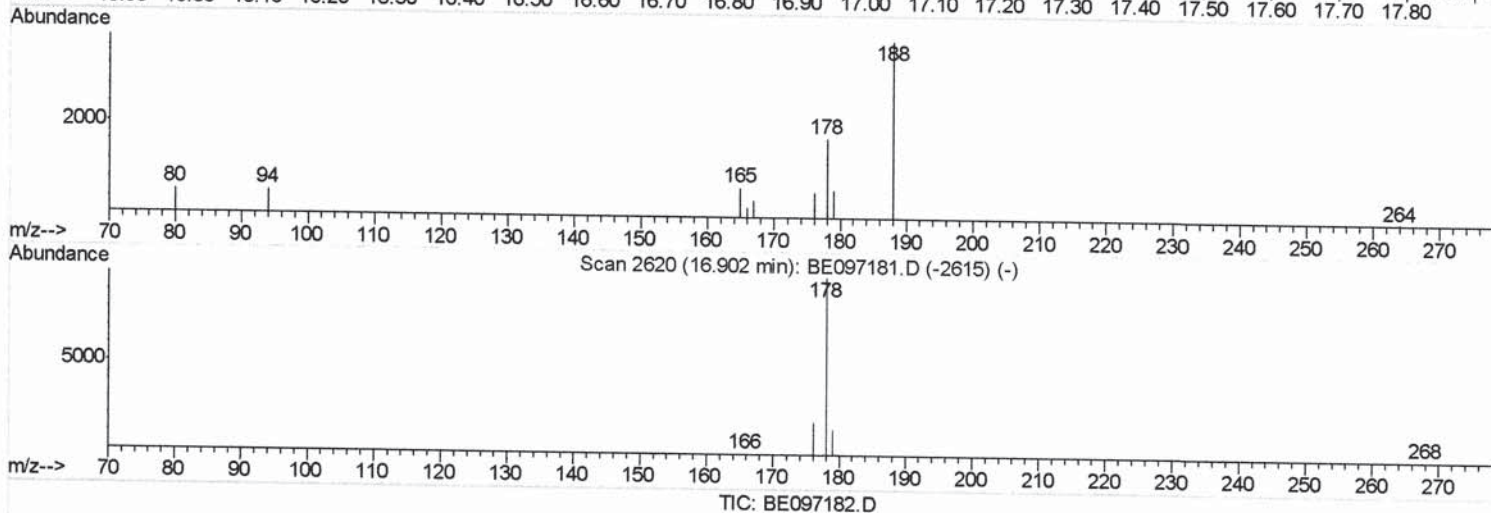
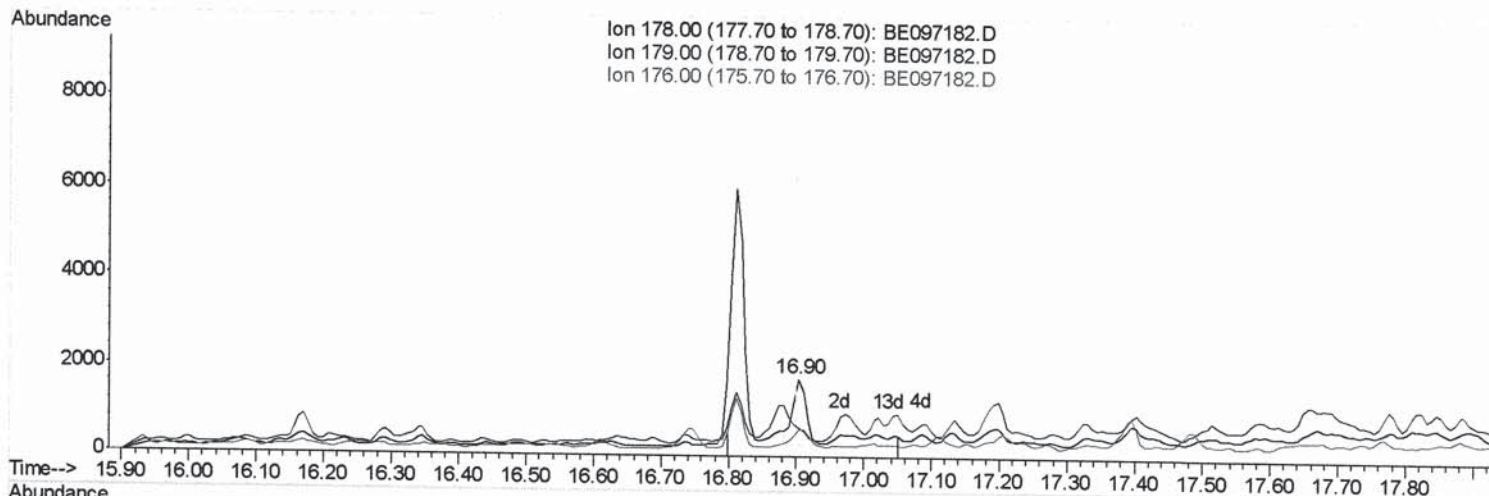
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Data File : BE097182.D
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Sample : J4171-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

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Manual Integrations
APPROVED

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(13) Anthracene

16.902min (+0.000) 0.07ng/ul m

SJ 8/7/18

response 2010

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	37.80#
176.00	18.40	34.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

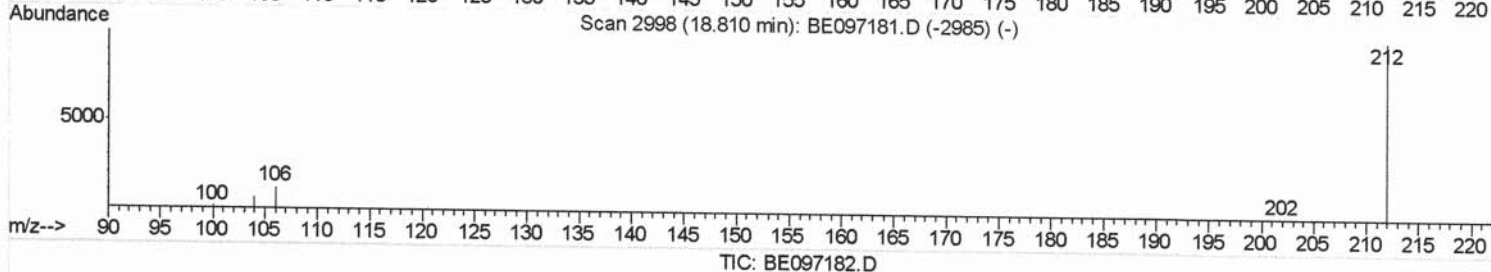
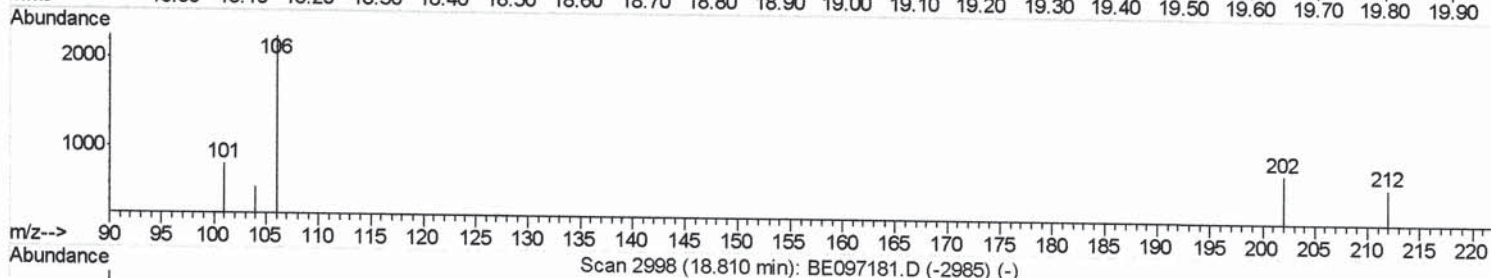
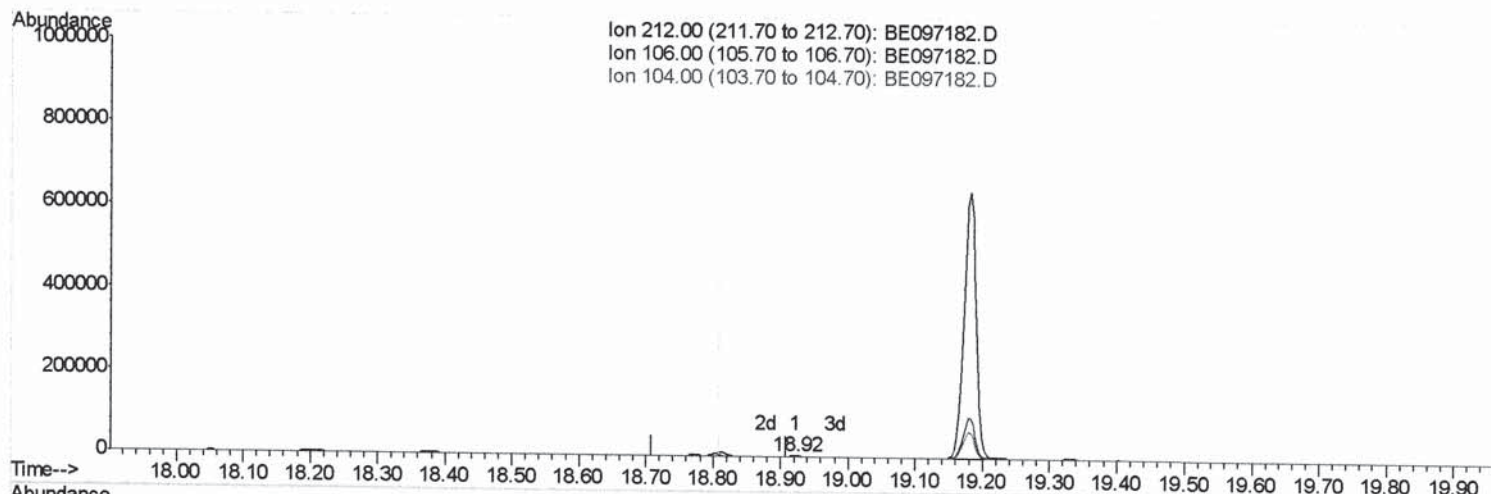
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(14) Fluoranthene-d10 (SURR)

18.921min (+0.111) 0.01ng/ul

response 447

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	516.78#
104.00	15.60	93.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

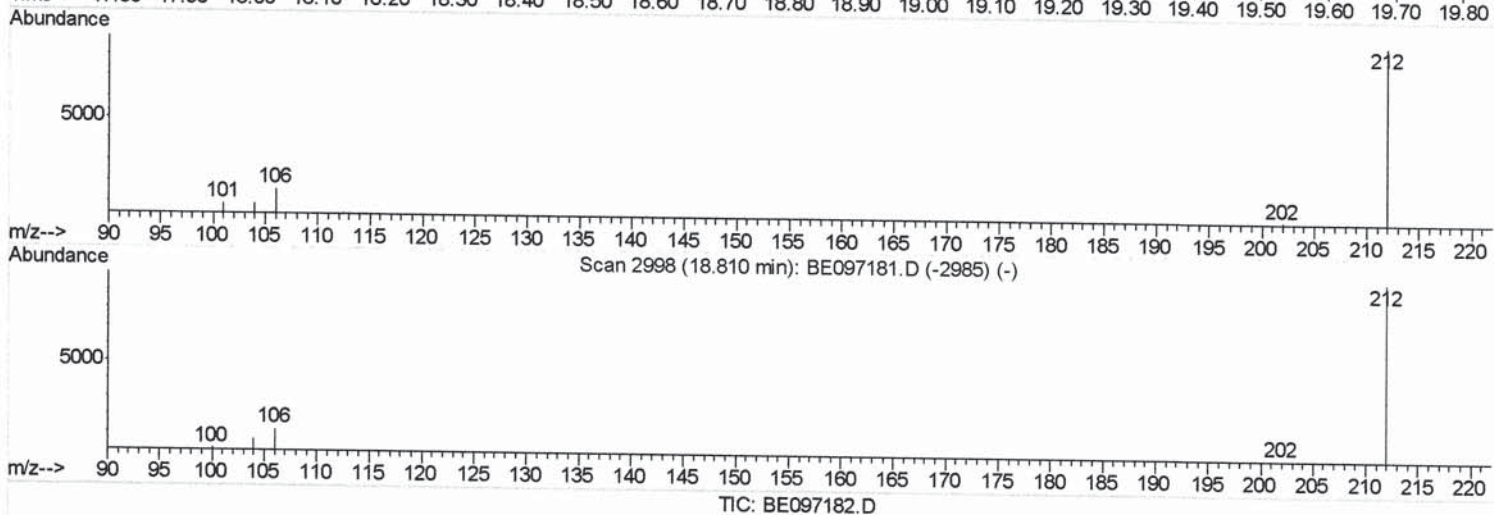
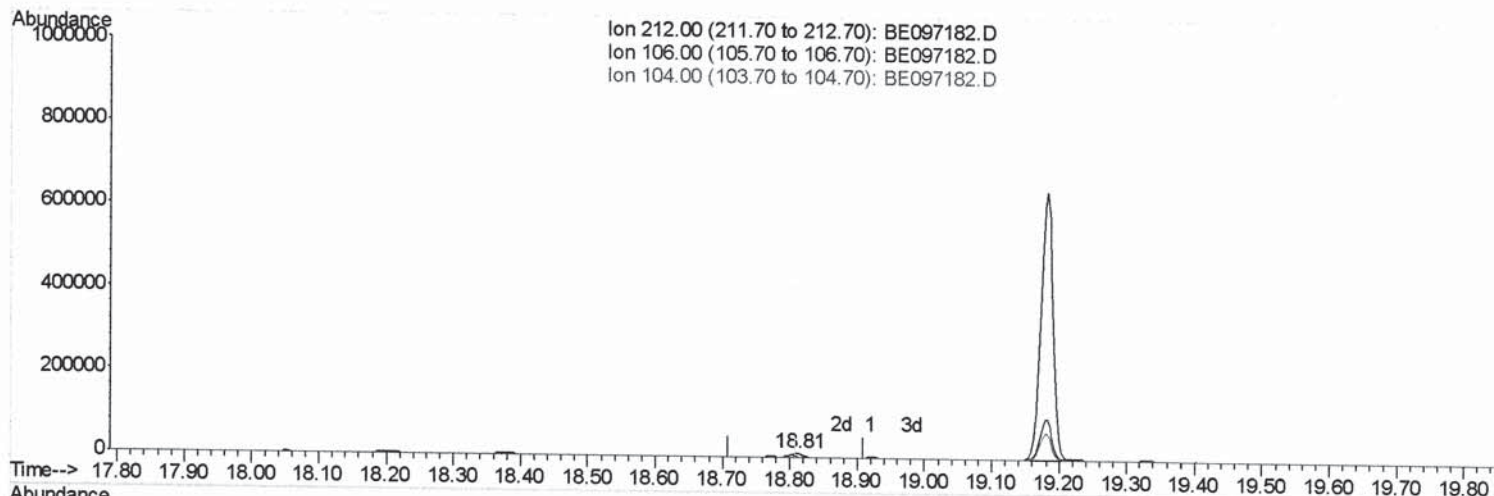
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097182.D
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Operator : SJ/JU
Sample : J4171-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1K1

Manual Integrations
APPROVED

Sohil
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(14) Fluoranthene-d10 (SURR)

18.811min (+0.001) 0.31ng/ul m

SJ 8/7/18

response 12295

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	18.79
104.00	15.60	3.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

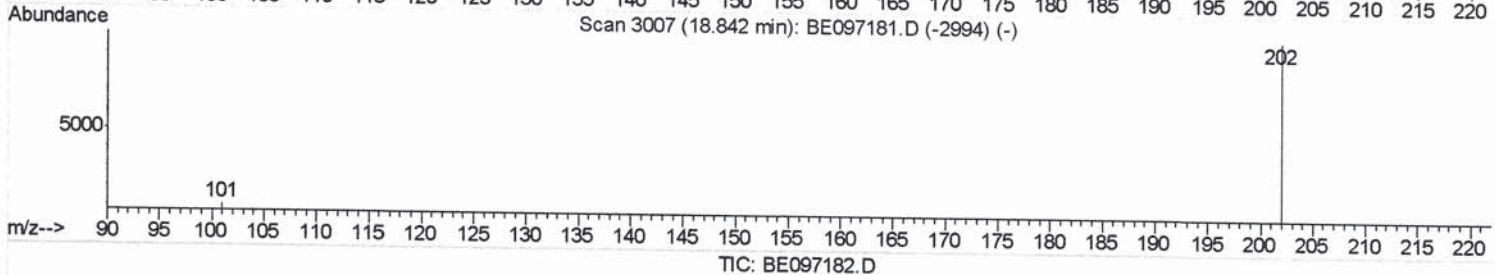
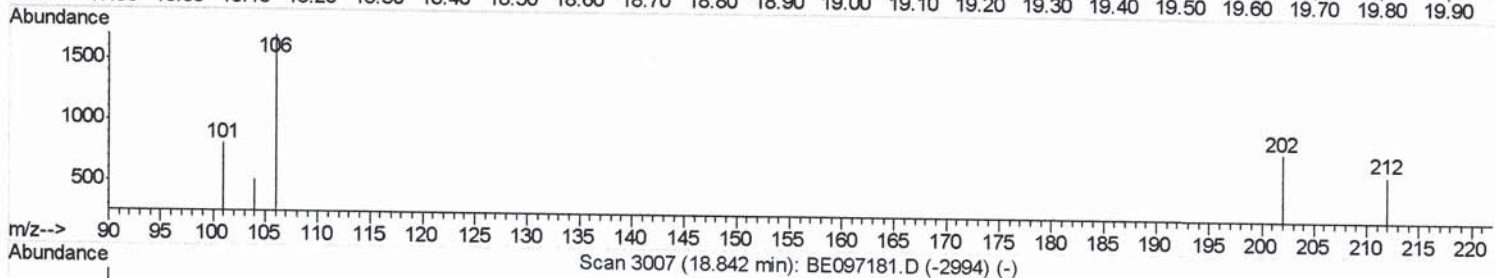
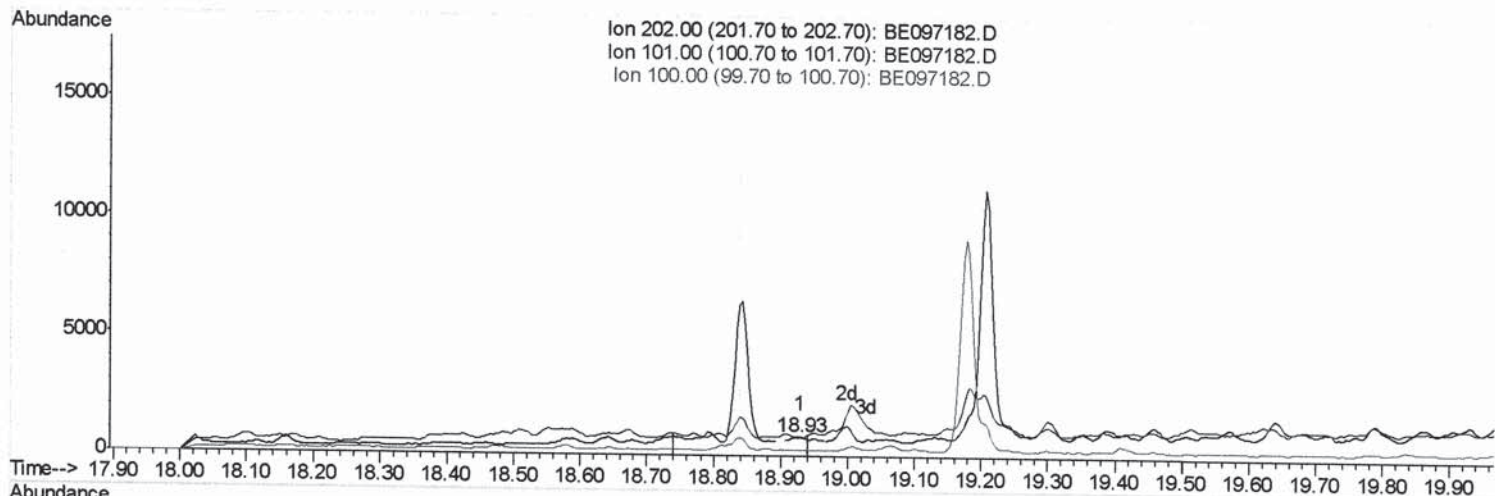
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097182.D
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Operator : SJ/JU
Sample : J4171-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1K1

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:42:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
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QLast Update : Fri Aug 03 23:39:09 2018
Response via : Initial Calibration



(15) Fluoranthene (C)

18.929min (+0.086) 0.01ng/ul

response 544

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	99.50#
100.00	19.50	30.68
0.00	0.00	0.00

Quantitation Report (Qedit)

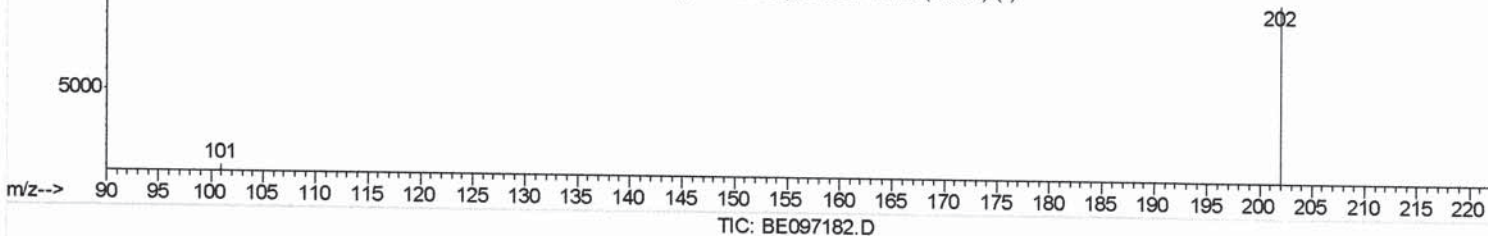
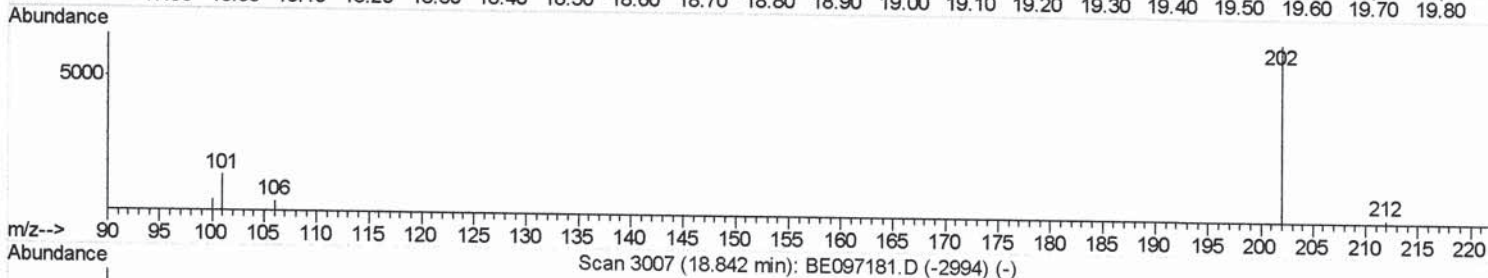
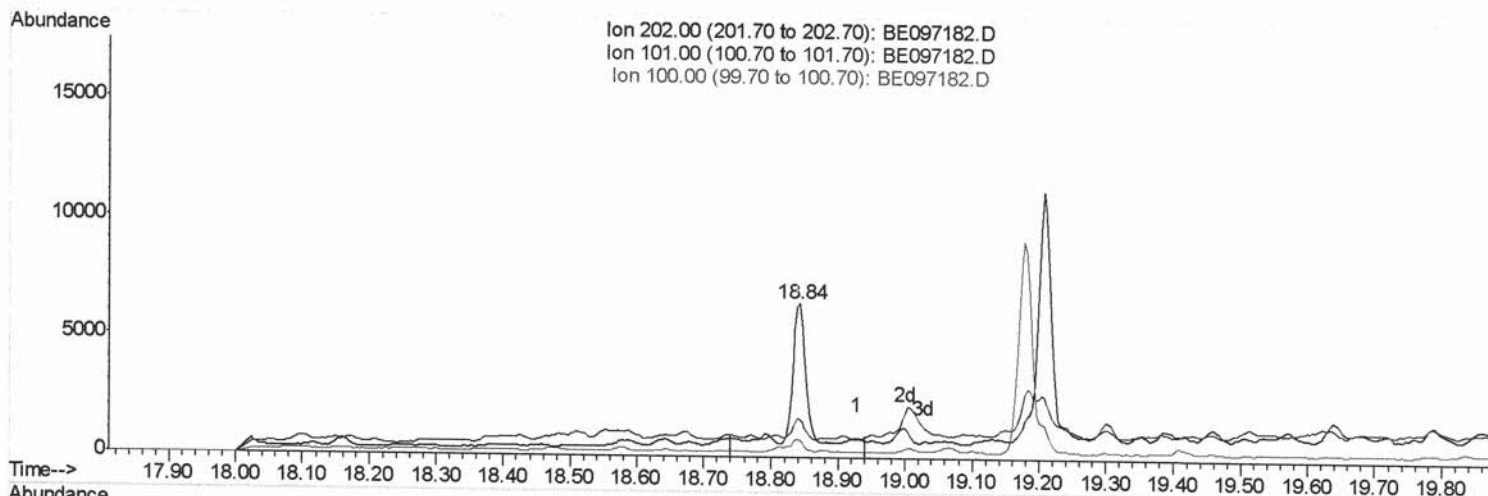
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 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

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(15) Fluoranthene (C)

18.843min (+0.001) 0.21ng/ul m

57 8/7/18

response 8249

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	24.27
100.00	19.50	11.02
0.00	0.00	0.00

Quantitation Report (Qedit)

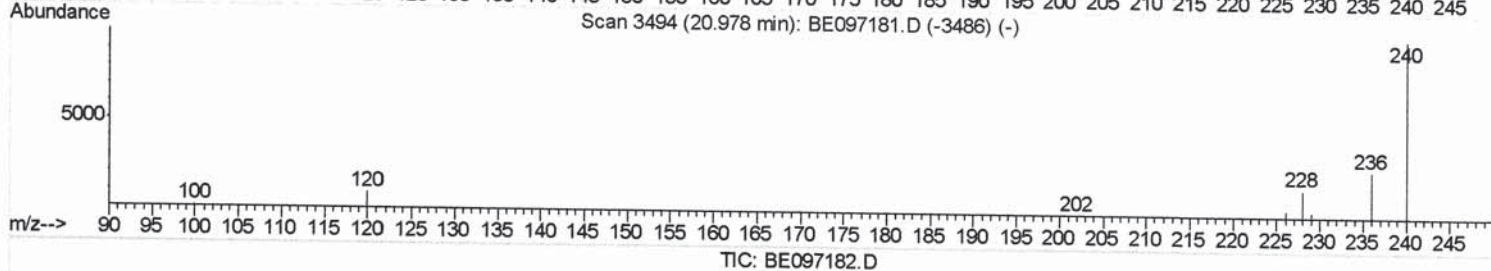
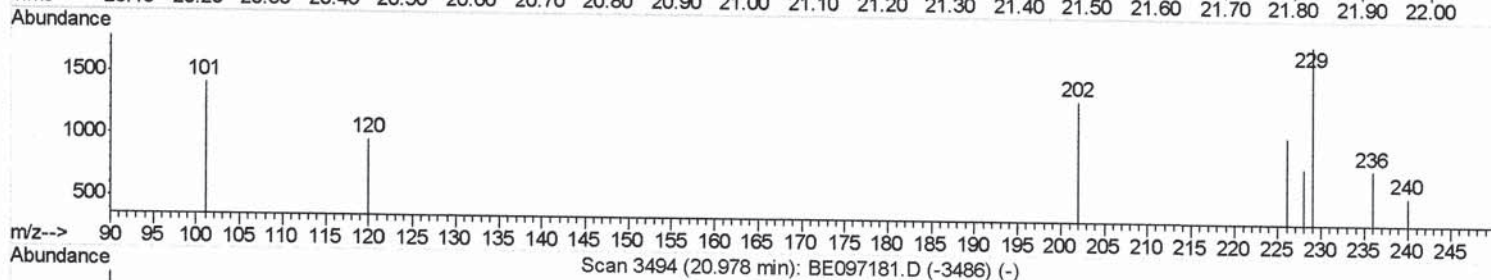
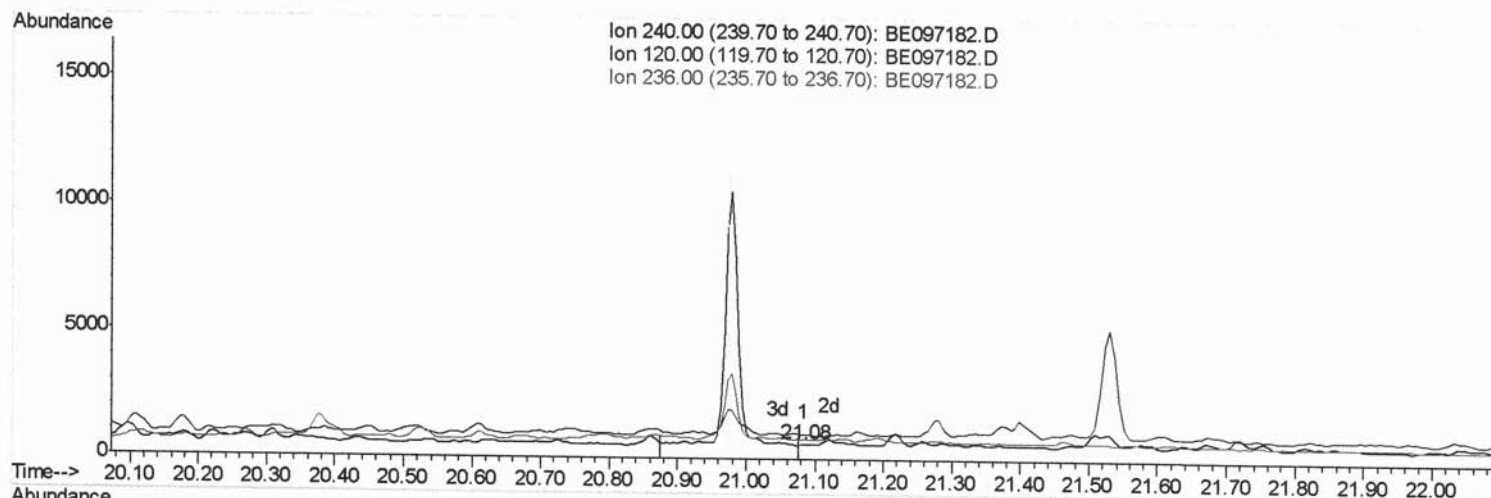
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(16) Chrysene-d12 (I)

21.085min (+0.107) 0.40ng/ul

response 31

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	165.13#
236.00	34.90	136.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

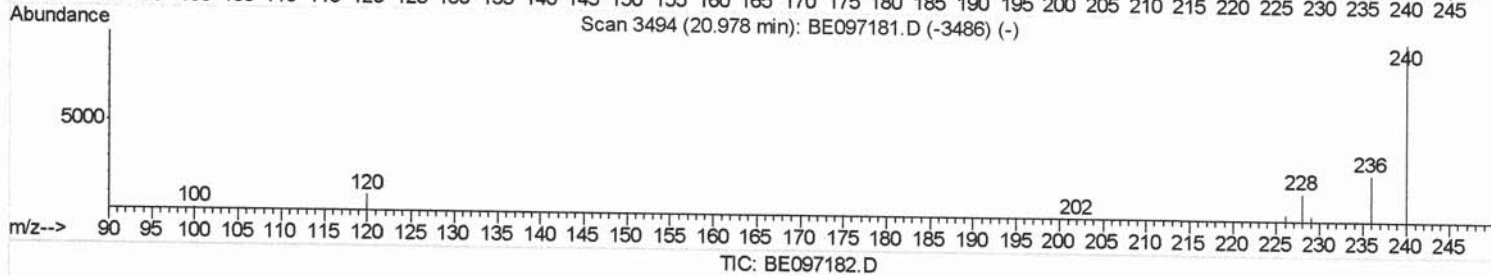
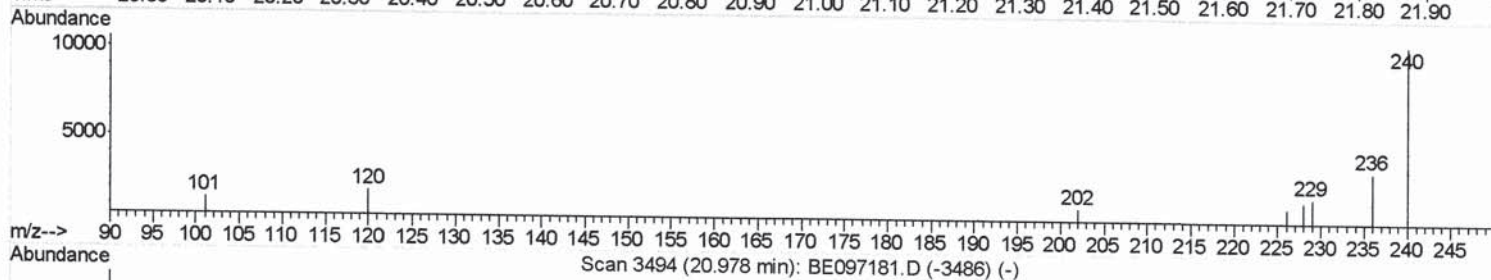
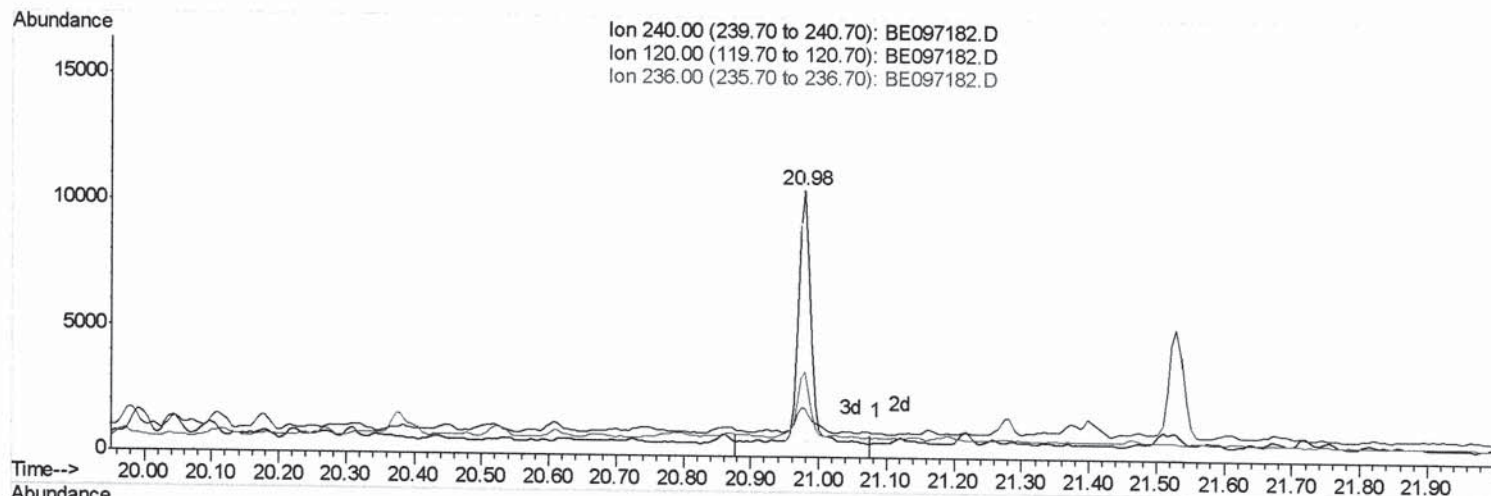
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(16) Chrysene-d12 (I)

20.979min (+0.001) 0.40ng/ul m

response 12025

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	18.15
236.00	34.90	32.04
0.00	0.00	0.00

51 8/7/18

Quantitation Report (Qedit)

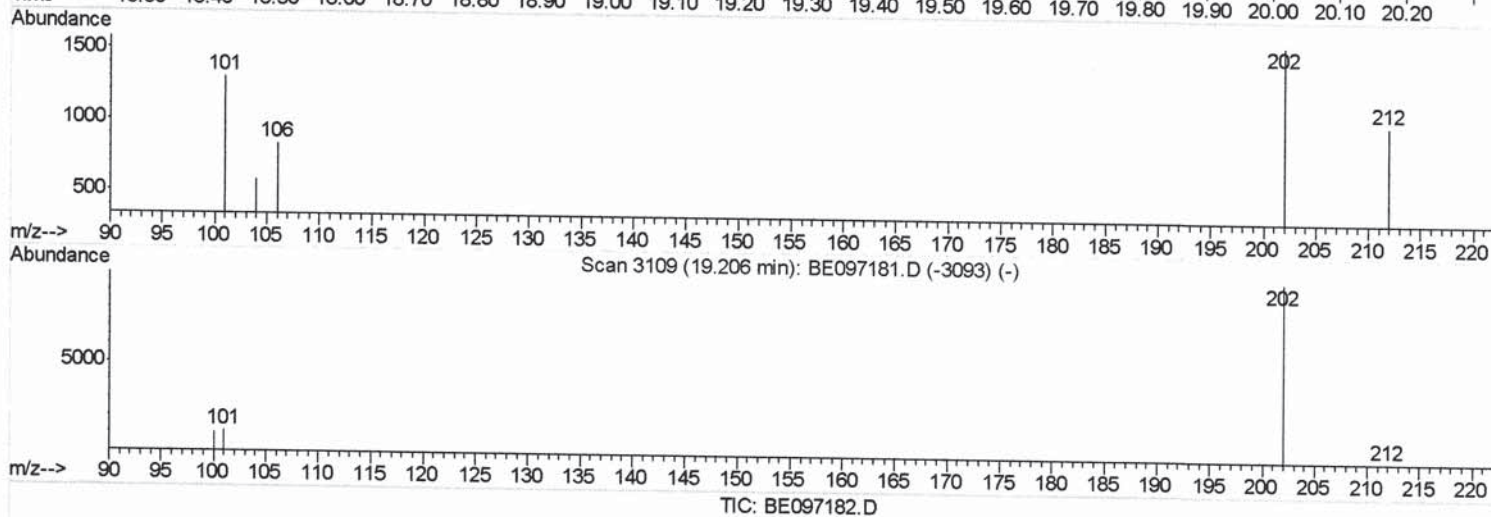
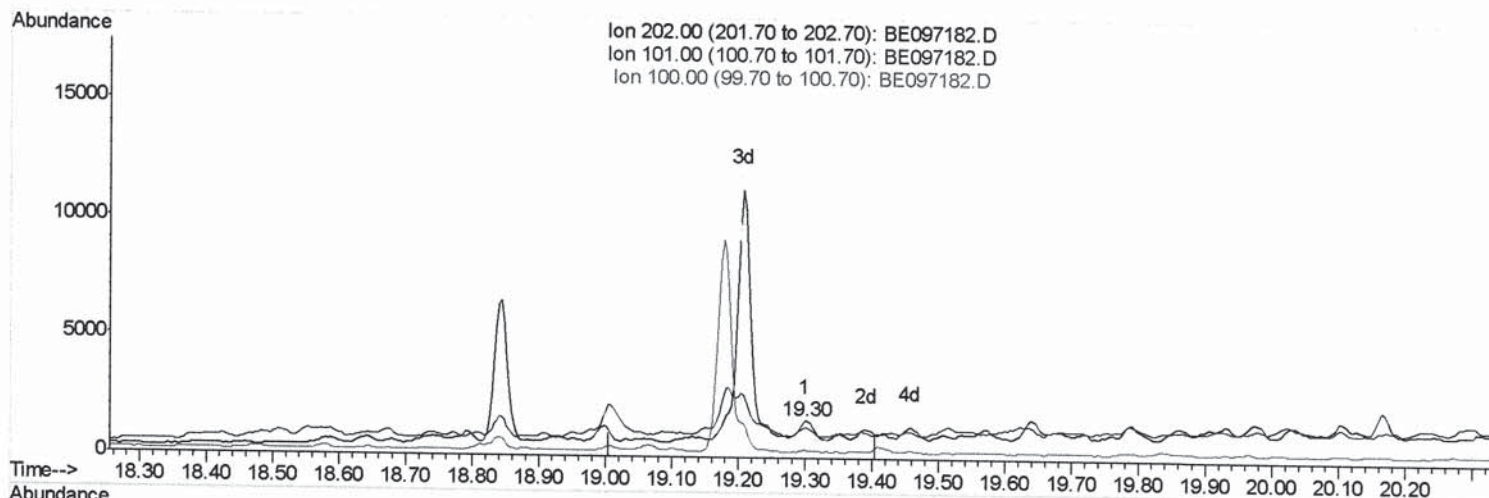
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Manual Integrations
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(17) Pyrene

19.300min (+0.093) 0.04ng/ul

response 1142

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	82.54#
100.00	19.50	21.65
0.00	0.00	0.00

Quantitation Report (Qedit)

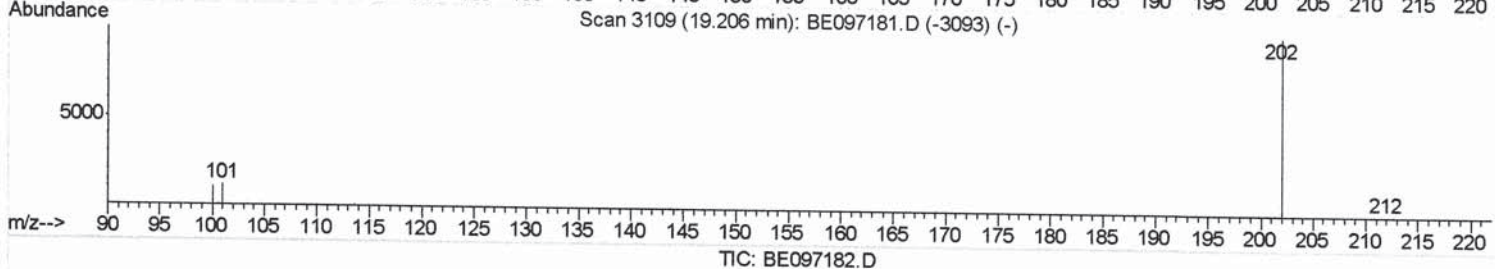
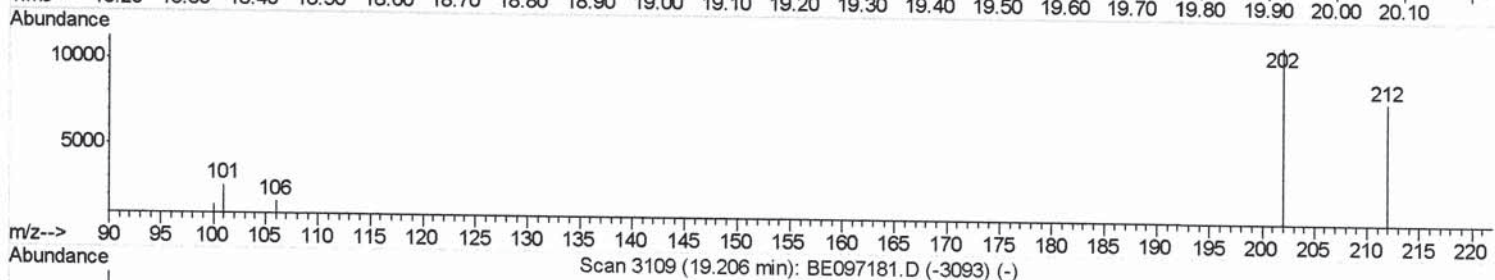
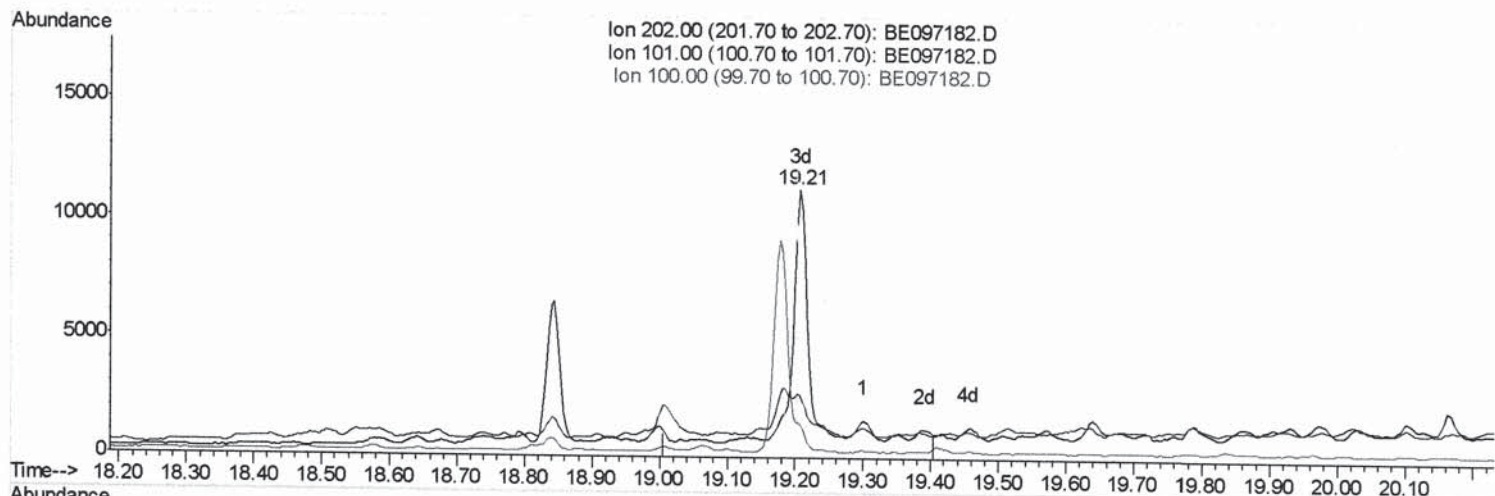
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(17) Pyrene

19.207min (+0.001) 0.36ng/ul m

SJ 8/7/18

response 11590

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	23.01
100.00	19.50	12.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

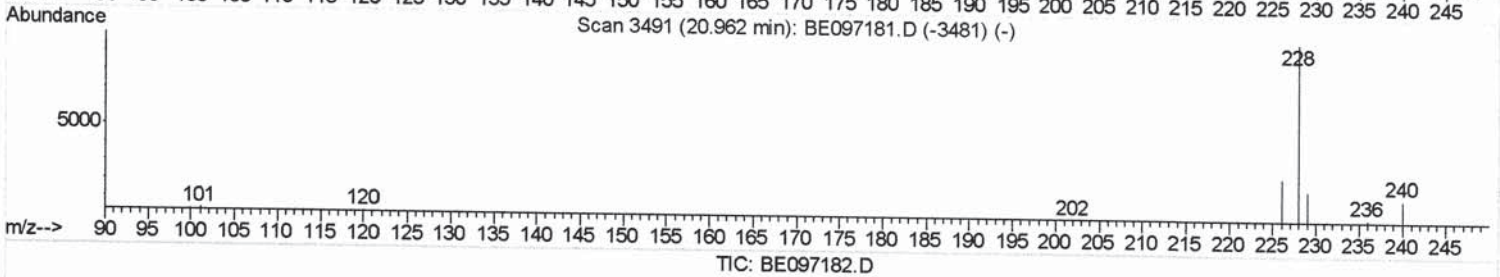
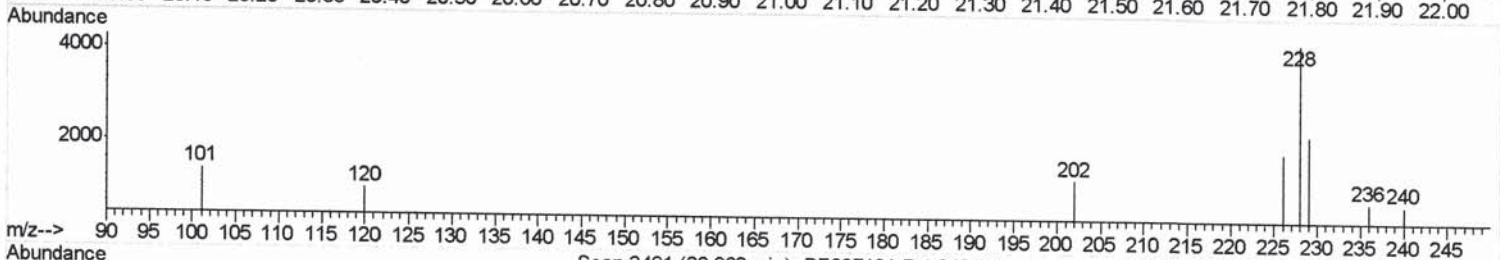
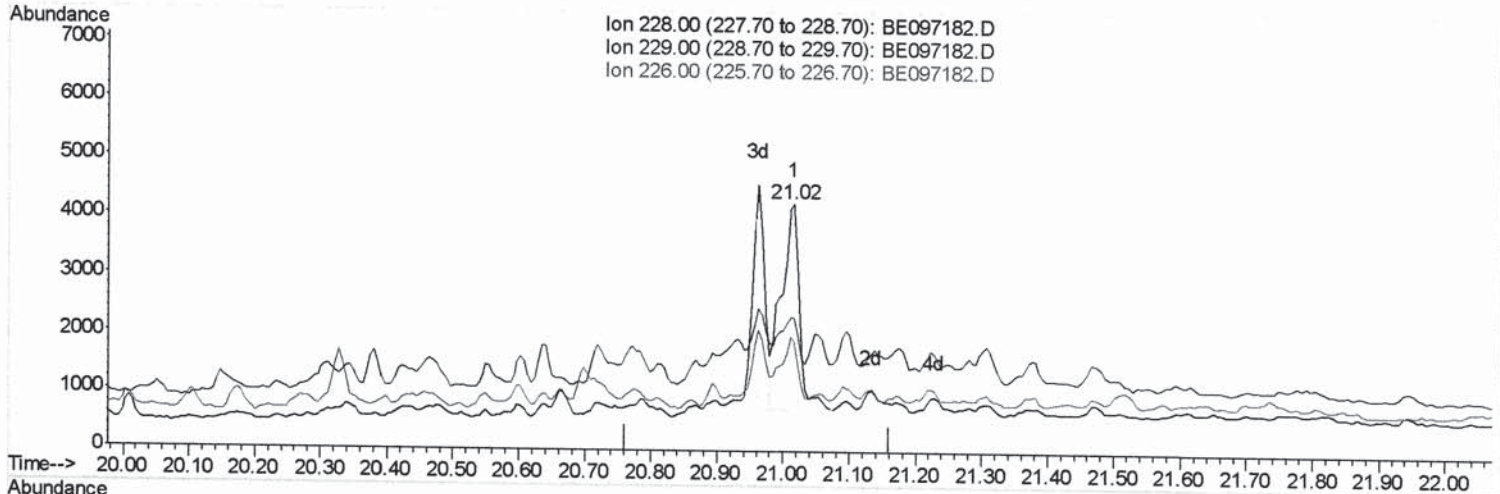
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:44:27 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
 21.016min (+0.054) 0.20ng/ul
 response 6711

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	54.15#
226.00	21.30	44.55#
0.00	0.00	0.00

Quantitation Report (Qedit)

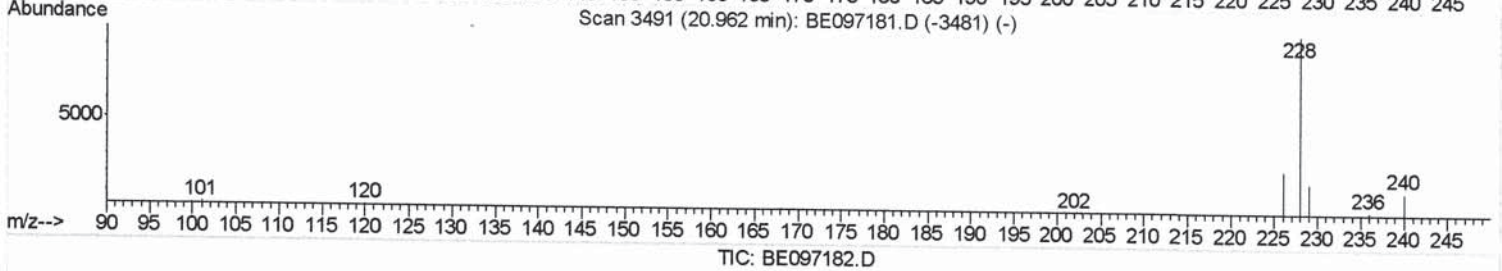
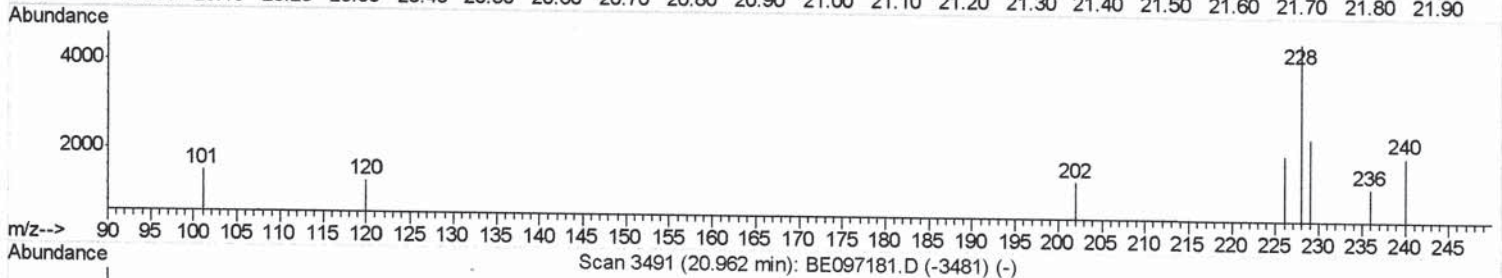
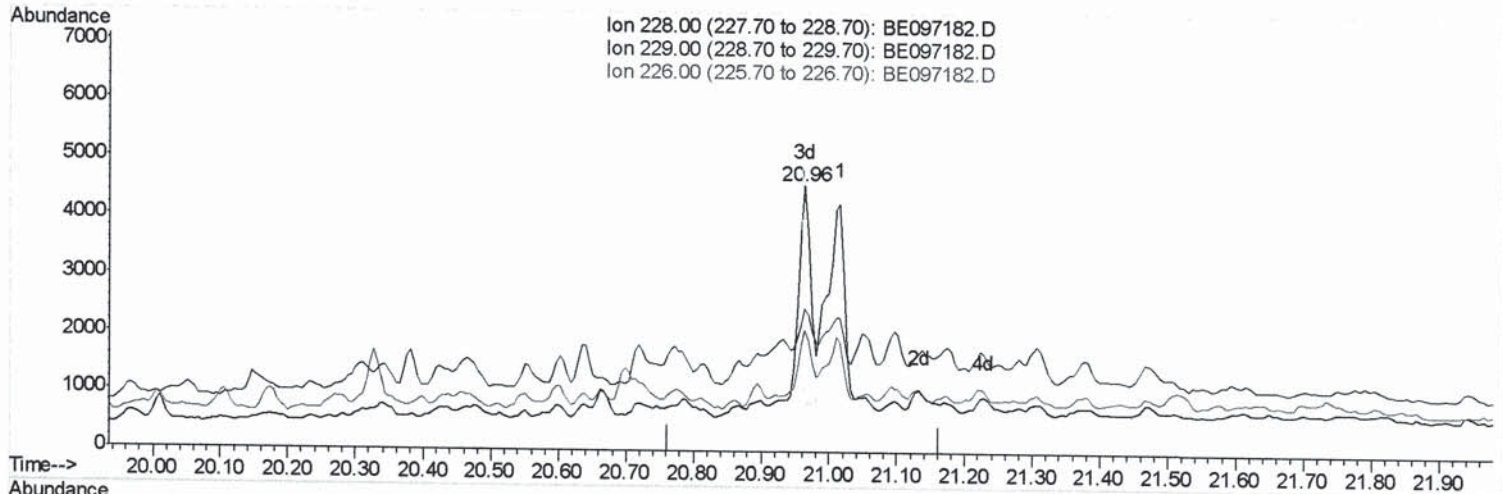
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097182.D
Acq On : 3 Aug 2018 16:42
Operator : SJ/JU
Sample : J4171-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1K1

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:44:27 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

20.963min (+0.001) 0.13ng/ul m

518/7/18

response 4525

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	53.60#
226.00	21.30	45.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

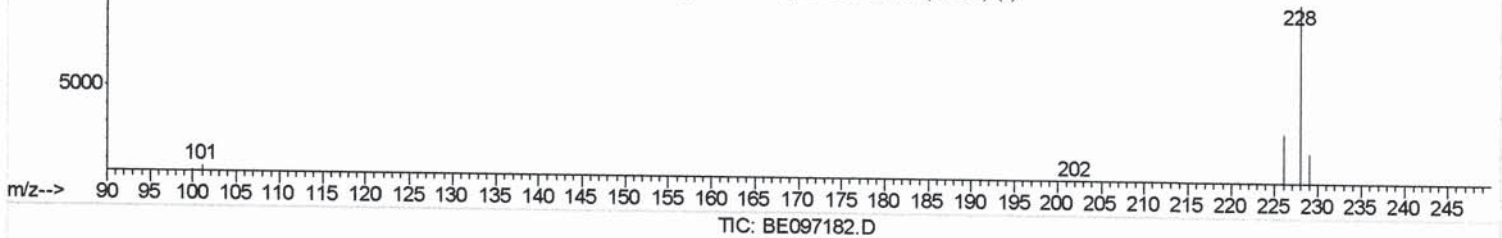
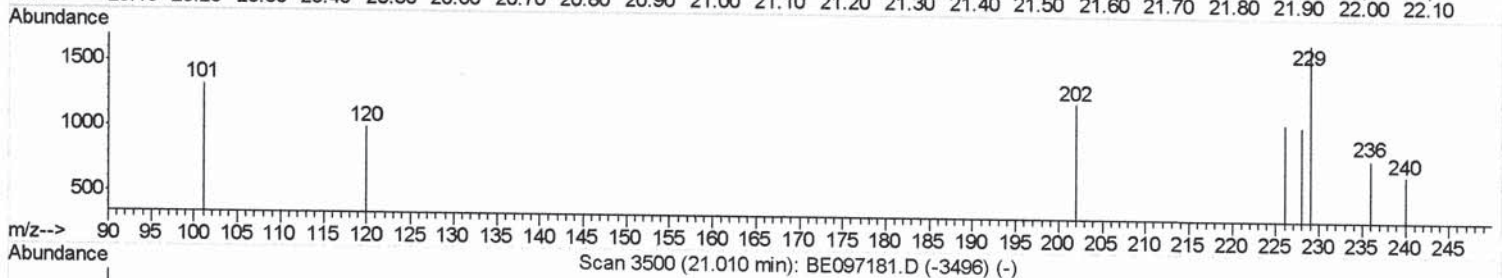
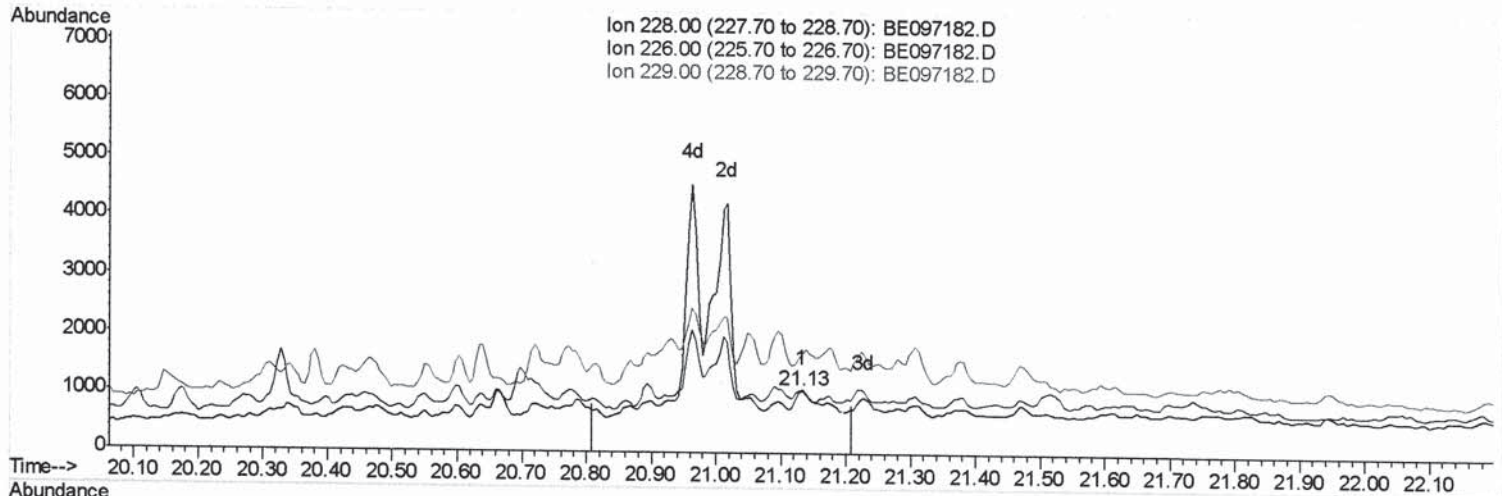
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:44:27 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 (+0.123) 0.02ng/ul

response 829

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	101.97#
229.00	22.10	159.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

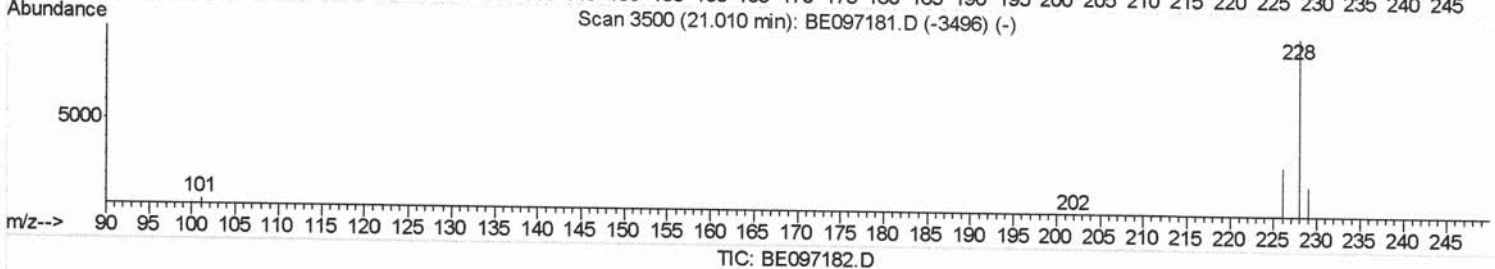
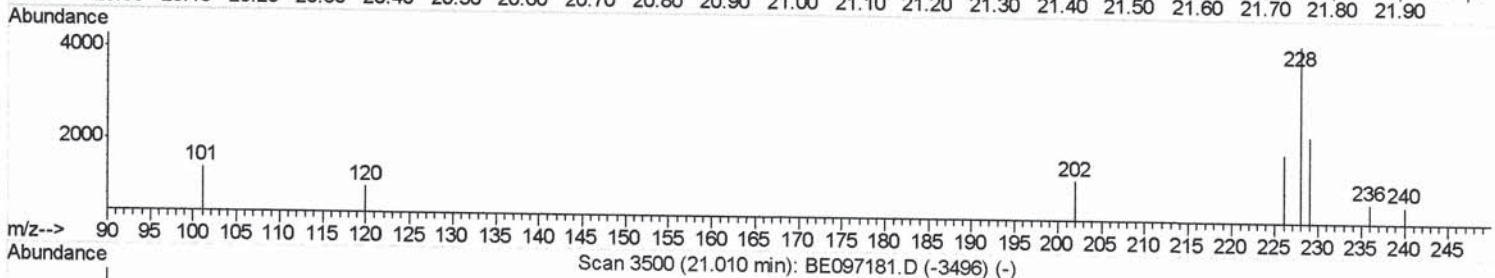
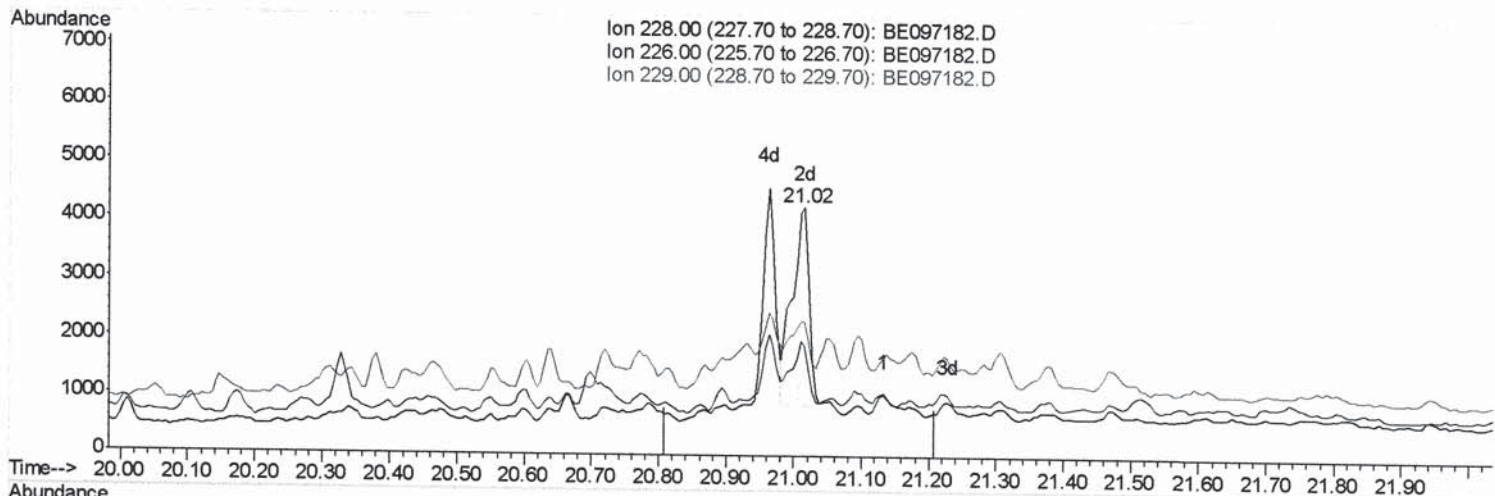
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:44:27 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

21.016min (+0.006) 0.17ng/ul m

SS 8/7/18

response 5874

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	44.55#
229.00	22.10	54.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

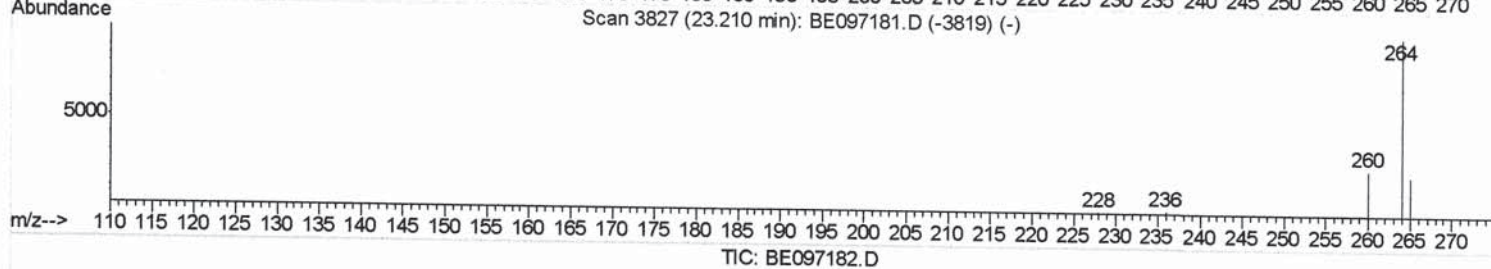
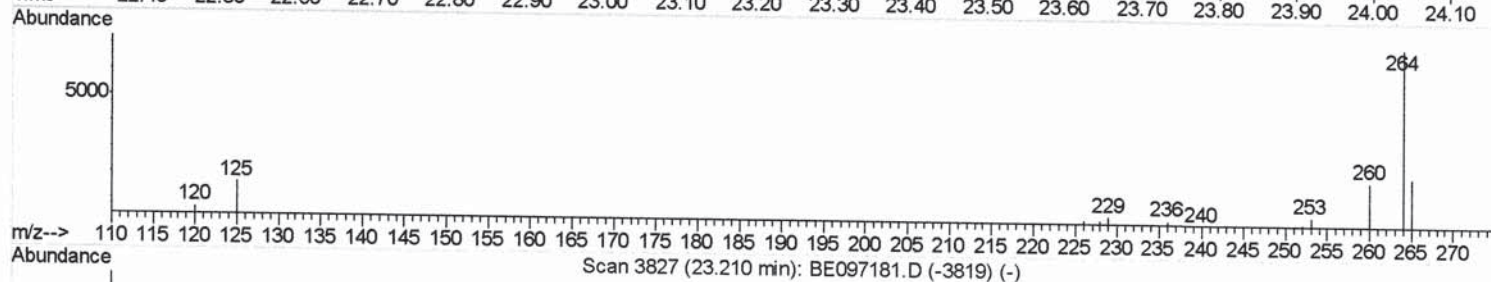
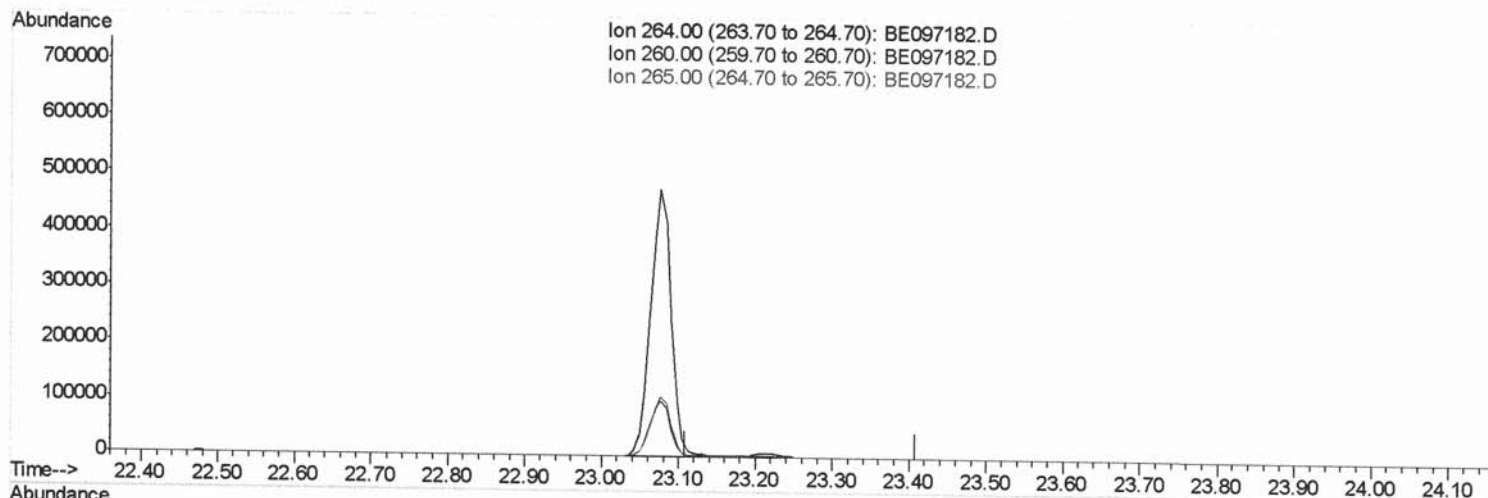
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:44:27 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)

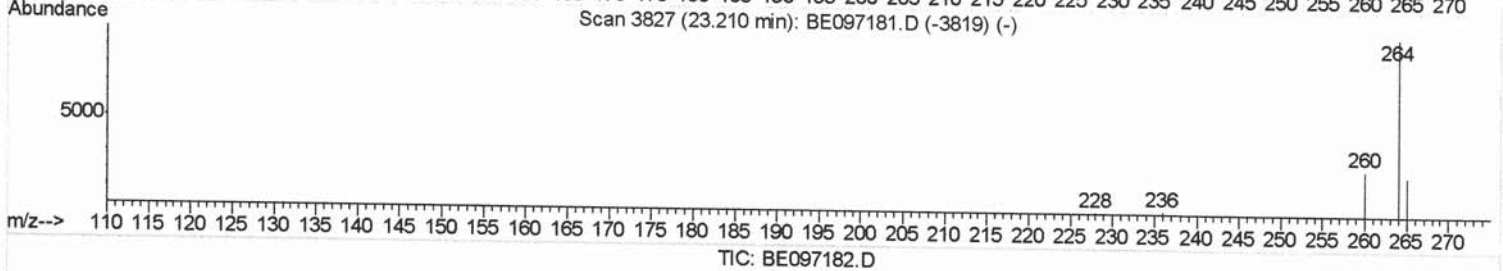
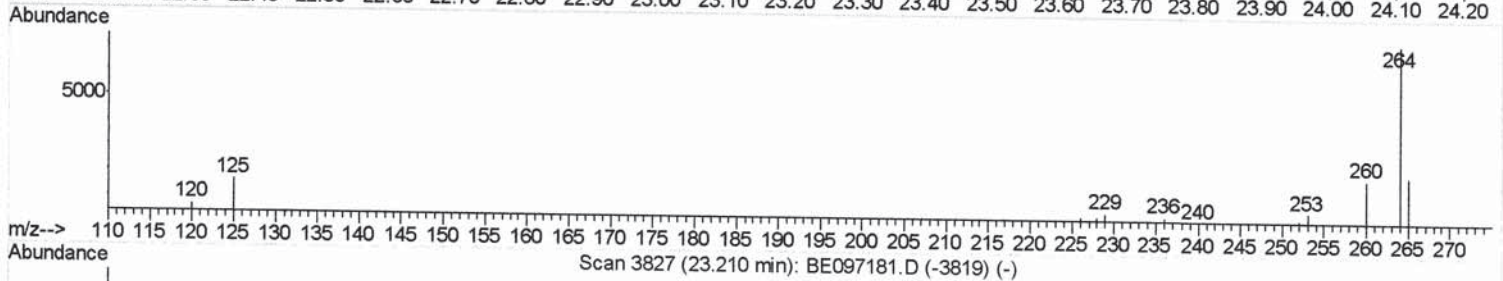
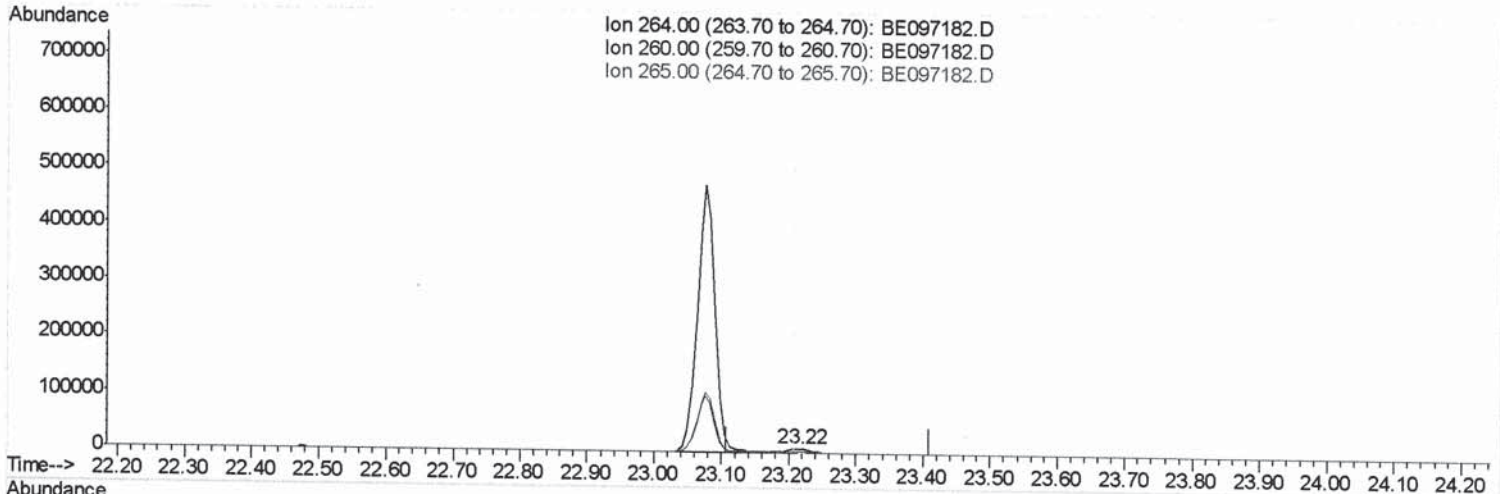
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:44:27 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

SJ 8/7/18

response 11161

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.28
265.00	103.50	29.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

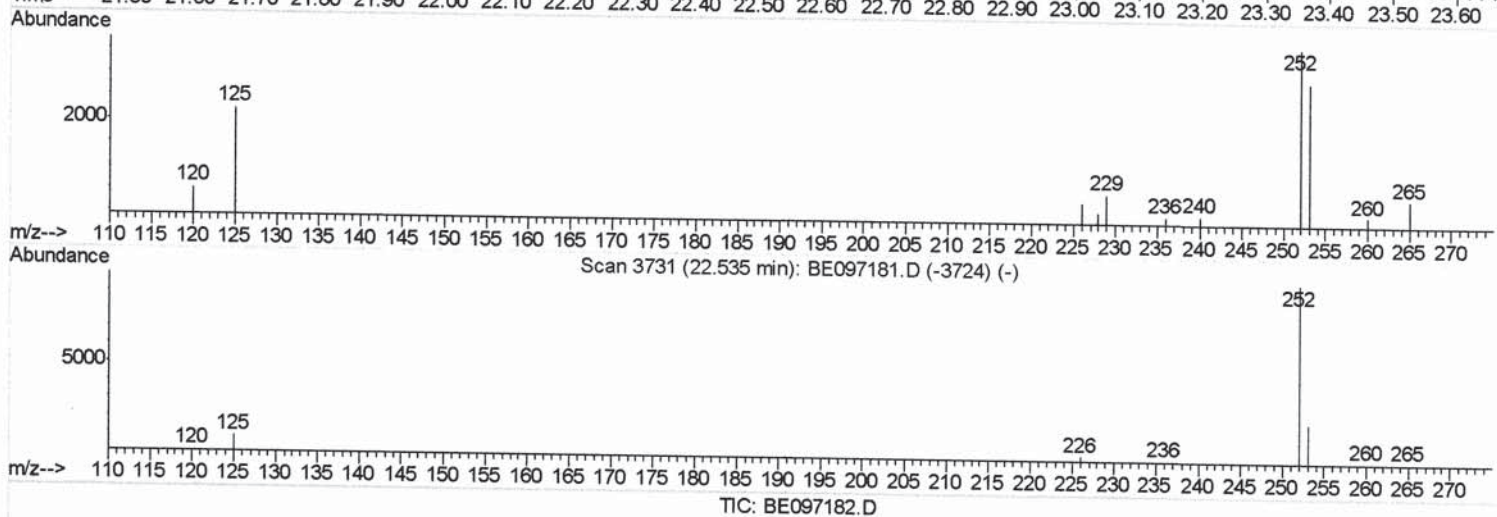
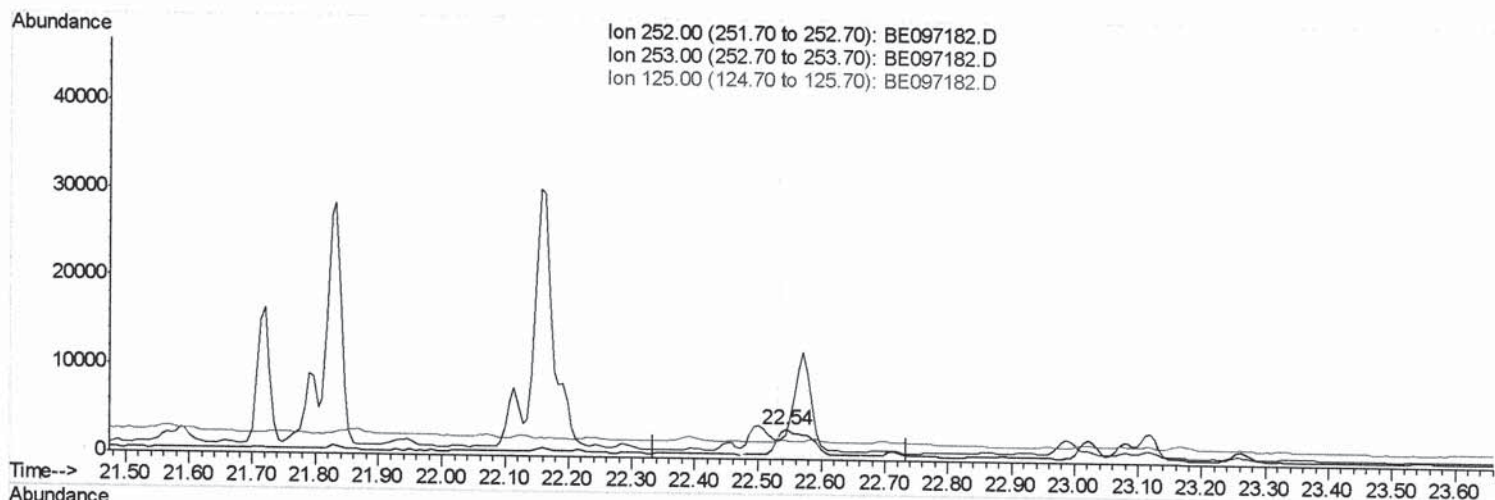
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097182.D
Acq On : 3 Aug 2018 16:42
Operator : SJ/JU
Sample : J4171-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
JJ1K1

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:45:55 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

22.542min (+0.007) 0.35ng/ul

response 10570

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	82.99#
125.00	17.50	64.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

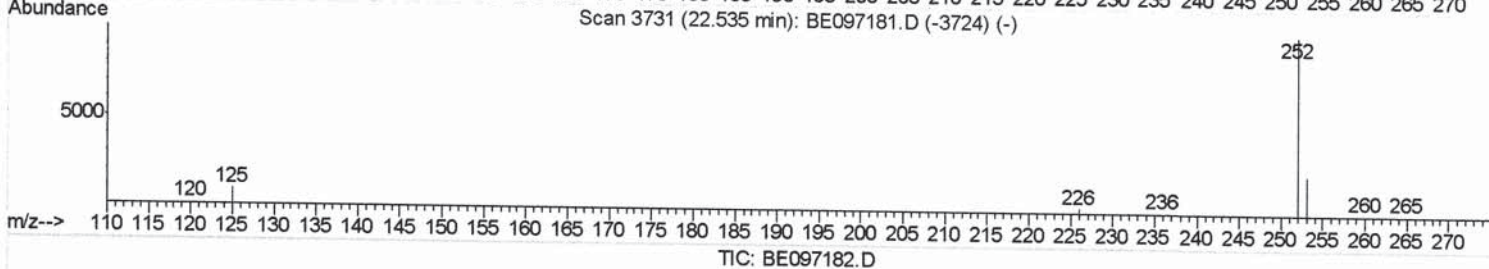
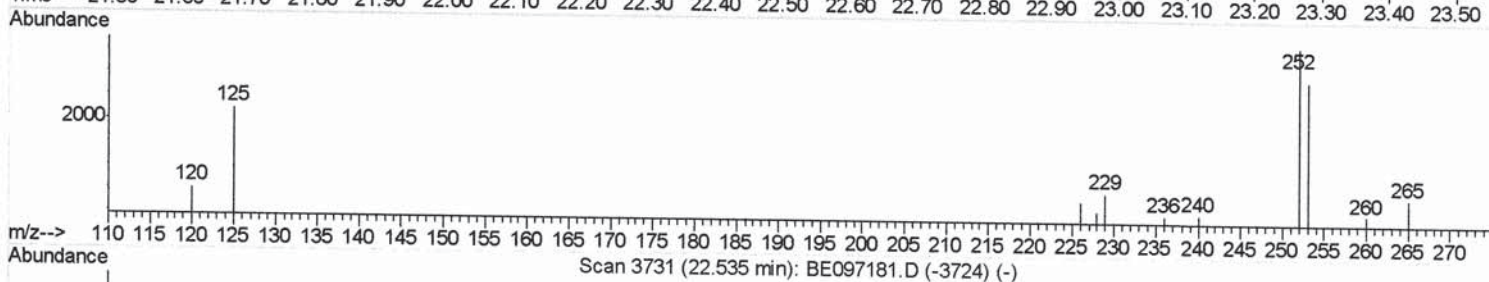
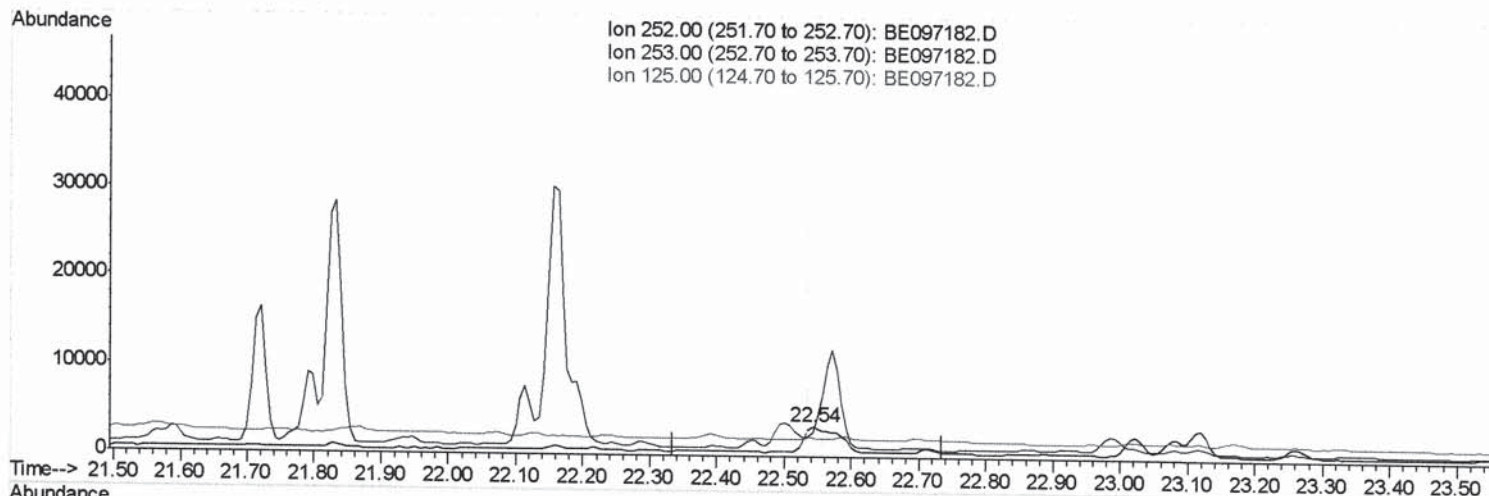
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:45:55 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

22.542min (+0.007) 0.18ng/ul m

response 5589

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	82.99#
125.00	17.50	64.51#
0.00	0.00	0.00

SJ 8/7/18

Quantitation Report (Qedit)

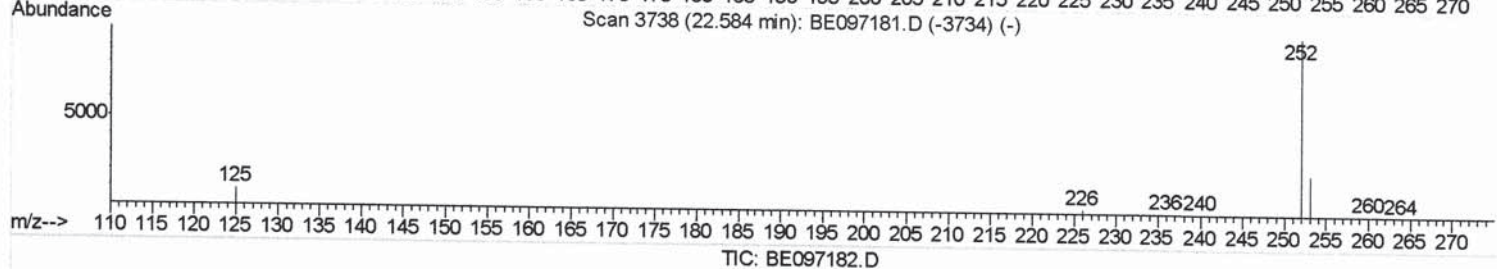
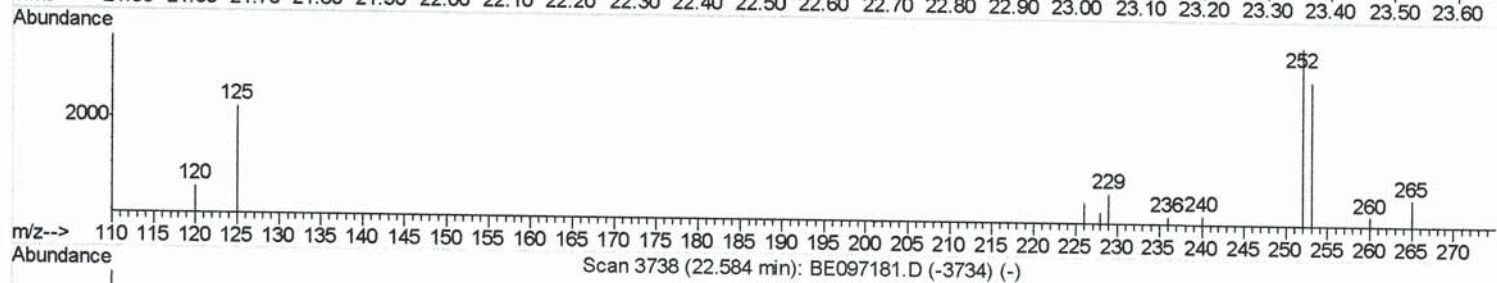
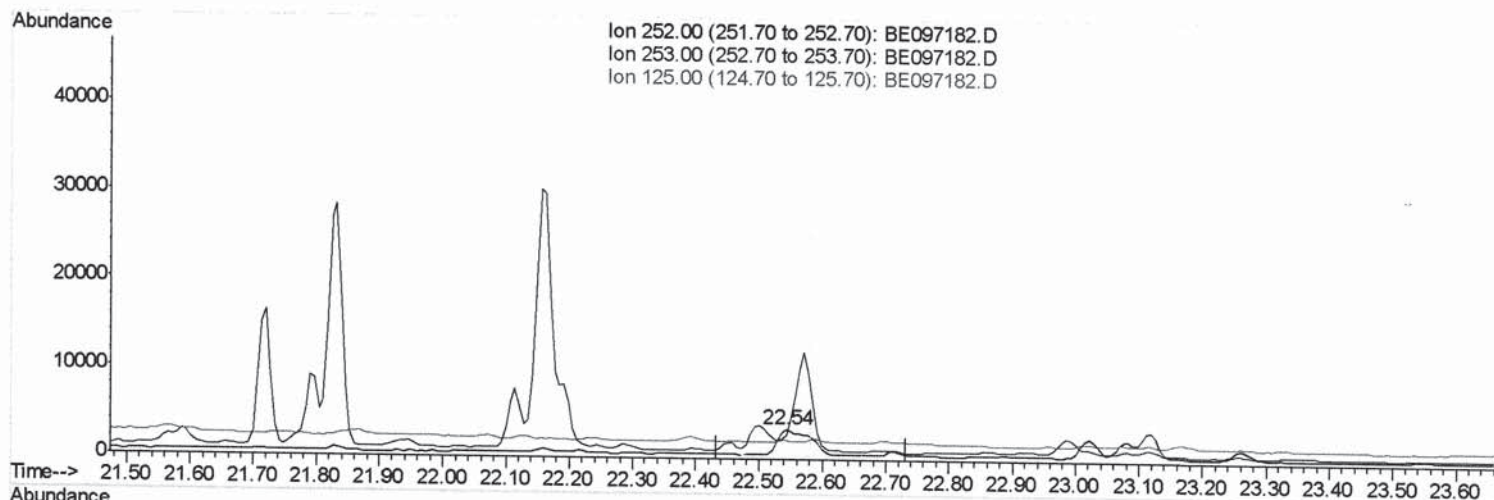
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097182.D
Acq On : 3 Aug 2018 16:42
Operator : SJ/JU
Sample : J4171-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1K1

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:45:55 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

22.542min (-0.042) 0.32ng/ul

response 10570

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	82.99#
125.00	17.10	64.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

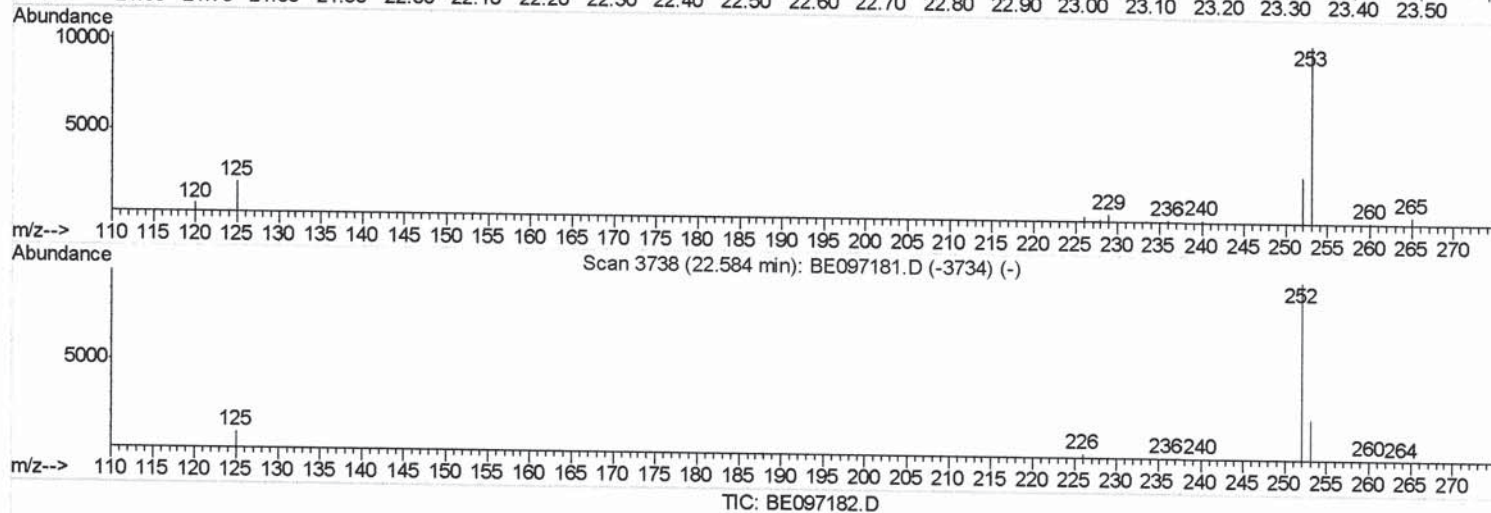
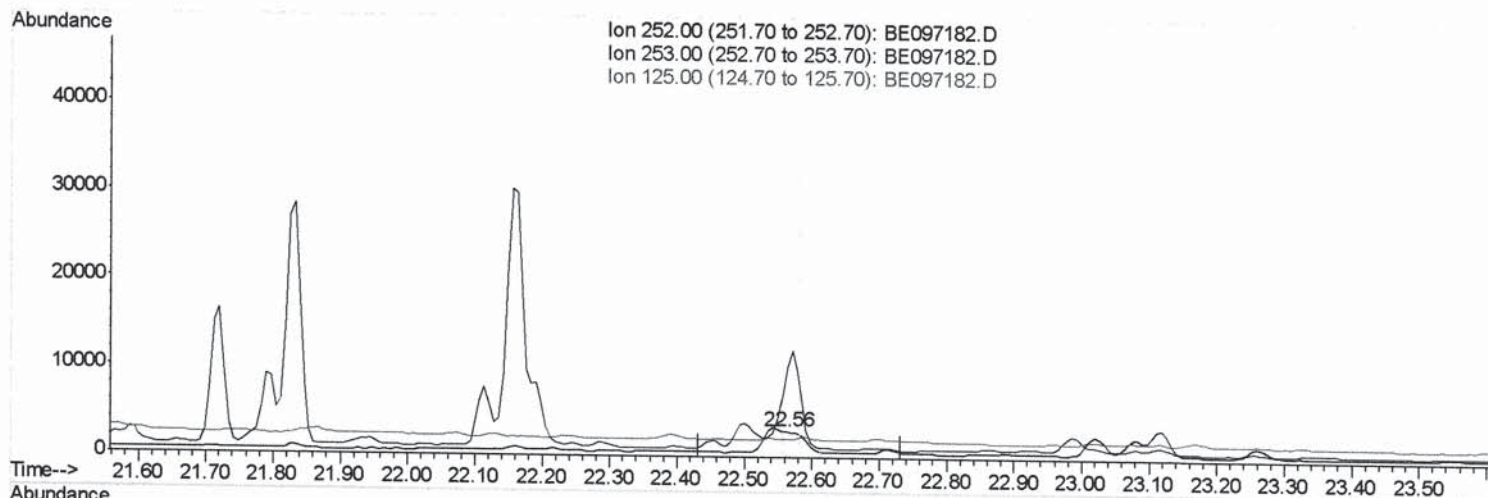
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
Data File : BE097182.D
Acq On : 3 Aug 2018 16:42
Operator : SJ/JU
Sample : J4171-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JJ1K1

Manual Integrations
APPROVED

Sohil
8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:45:55 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) 0.17ng/ul m

response 5418

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	351.98#
125.00	17.10	69.94#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\
 Data File : BE097182.D
 Acq On : 3 Aug 2018 16:42
 Operator : SJ/JU
 Sample : J4171-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JJ1K1

Manual Integrations
 APPROVED

Sohil
 8/6/2018 4:32:24 PM

Quant Time: Aug 03 23:48:11 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)
1) 1,4-Dichlorobenzene-d4	7.39	152	1405	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	7488	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	5089	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	11517m	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	12025m	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	11161m	0.40	ng/ul	0.00

} 518/7/18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.73	152	3793	0.32	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	12295m	0.31	ng/ul	0.00

} 518/7/18

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.18	128	12262	0.676	ng/ul#	93
5) 2-Methylnaphthalene	11.80	142	3943	0.329	ng/ul	99
7) Acenaphthylene	13.74	152	598	0.027	ng/ul#	25
8) Acenaphthene	14.08	153	2512	0.158	ng/ul	93
9) Fluorene	15.08	166	1583	0.087	ng/ul#	79
12) Phenanthrene	16.81	178	8040m	0.274	ng/ul	
13) Anthracene	16.90	178	2010m	0.073	ng/ul	
15) Fluoranthene	18.84	202	8249m	0.213	ng/ul	
17) Pyrene	19.21	202	11590m	0.360	ng/ul	
18) Benzo(a)anthracene	20.96	228	4525m	0.132	ng/ul	
19) Chrysene	21.02	228	5874m	0.166	ng/ul	
21) Benzo(b)fluoranthene	22.54	252	5589m	0.184	ng/ul	
22) Benzo(k)fluoranthene	22.56	252	5418m	0.165	ng/ul	
23) Benzo(a)pyrene	23.12	252	5878	0.193	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.50	276	3057	0.080	ng/ul#	81
26) Benzo(a,h,i)perylene	26.20	276	3398	0.103	ng/ul#	76

} 518/7/18

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