

Quantitation Report (QT Reviewed)

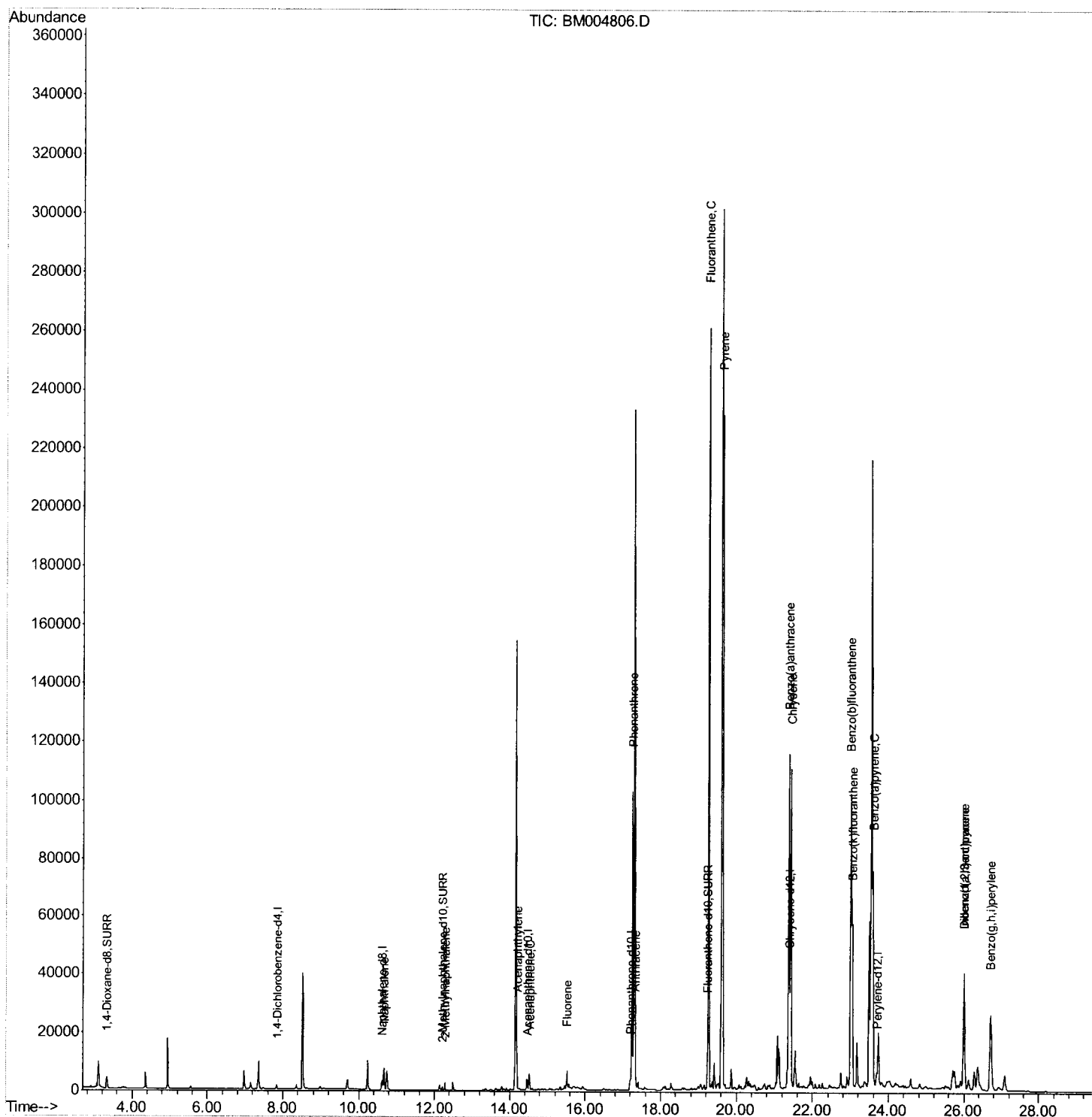
Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4T40

Manual Integrations
 APPROVED

Sohil
 4/6/2016 5:05:02 PM

Quant Time: Apr 05 19:48:31 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



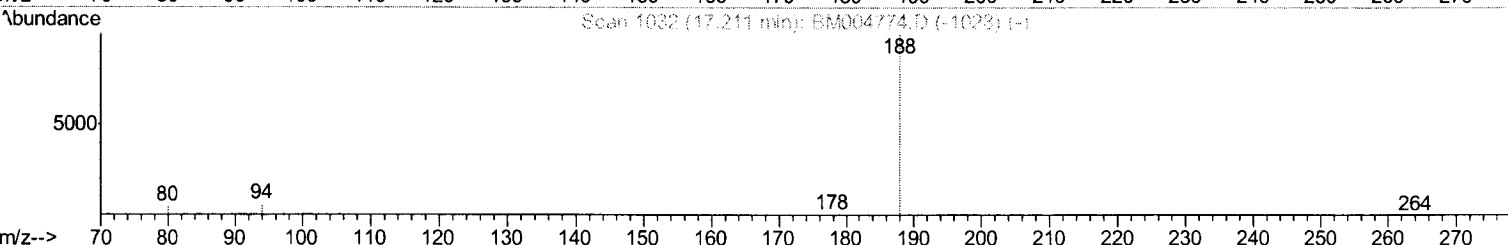
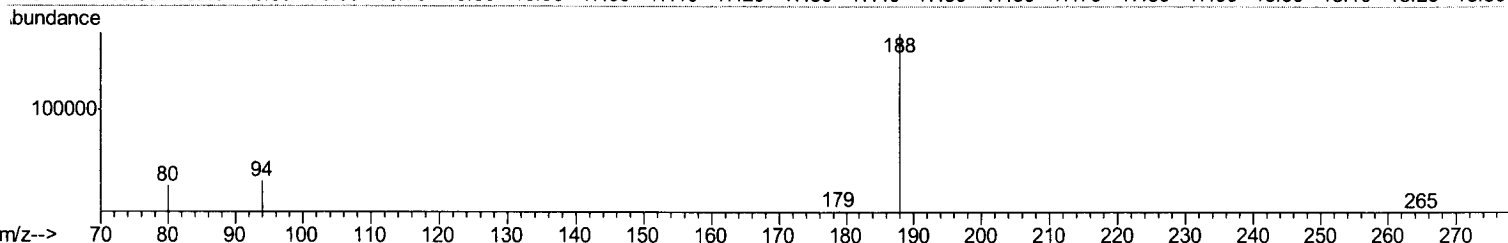
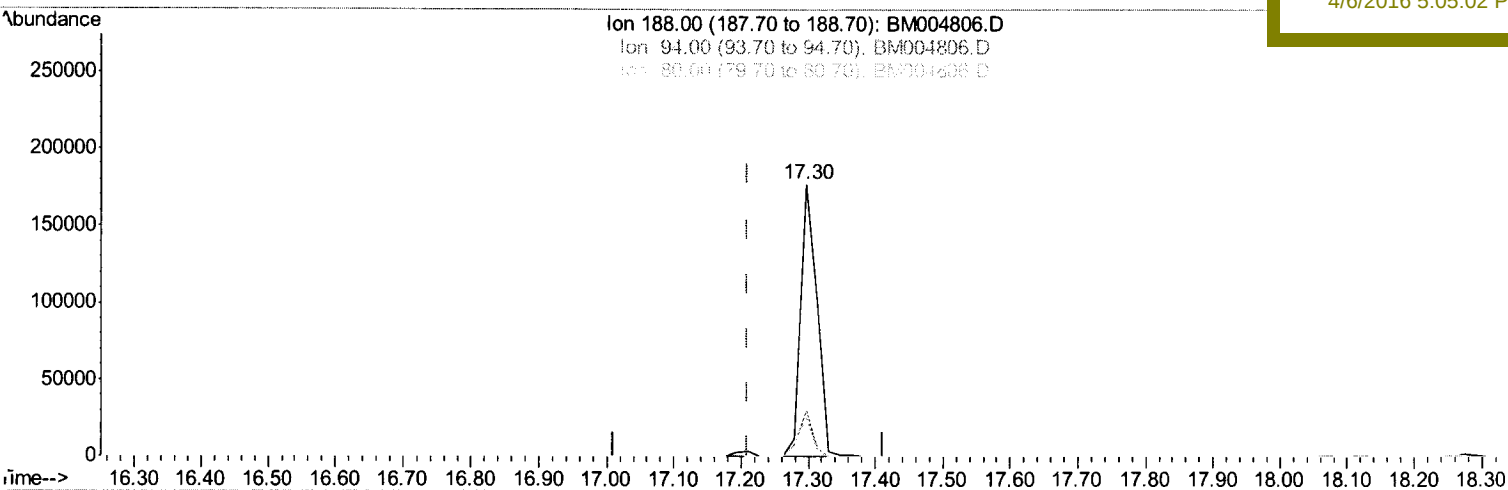
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 Operator : UM/SJ
 Sample : H1909-04
 Misc :
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Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Quant Time: Apr 05 19:41:48 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
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Sohil
 4/6/2016 5:05:02 PM



TIC: BM004806.D

(12) Phenanthrene-d10 (I)

17.296min (+0.085) 0.40ng/ul

response 298421

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	17.04#
80.00	11.90	14.12
0.00	0.00	0.00

Quantitation Report (Qedit)

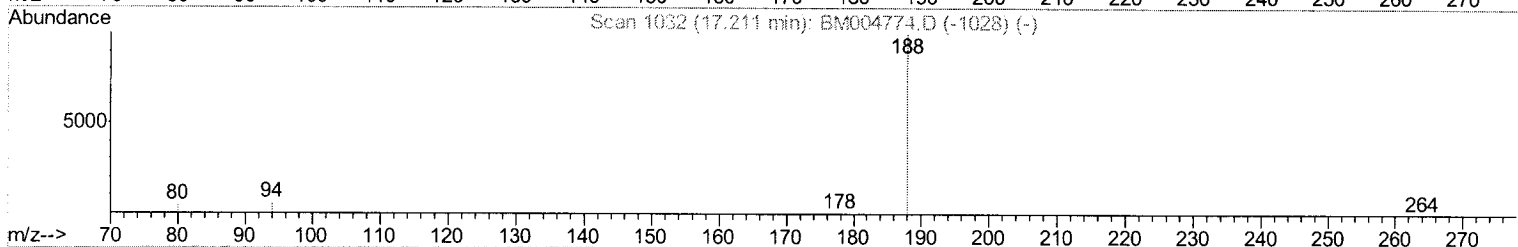
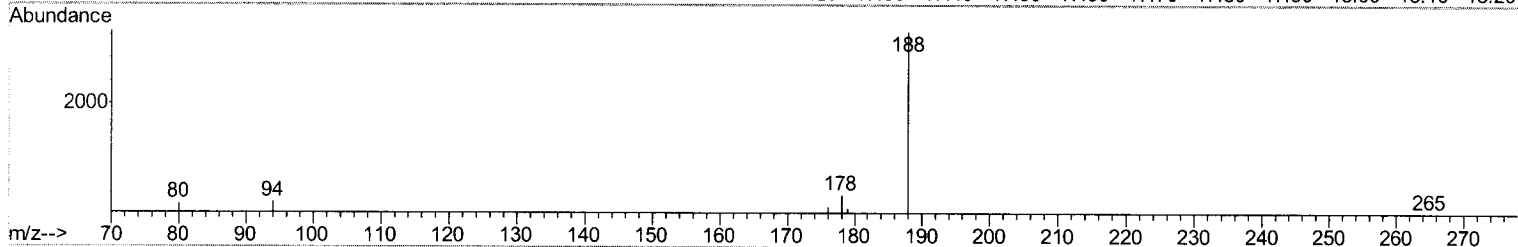
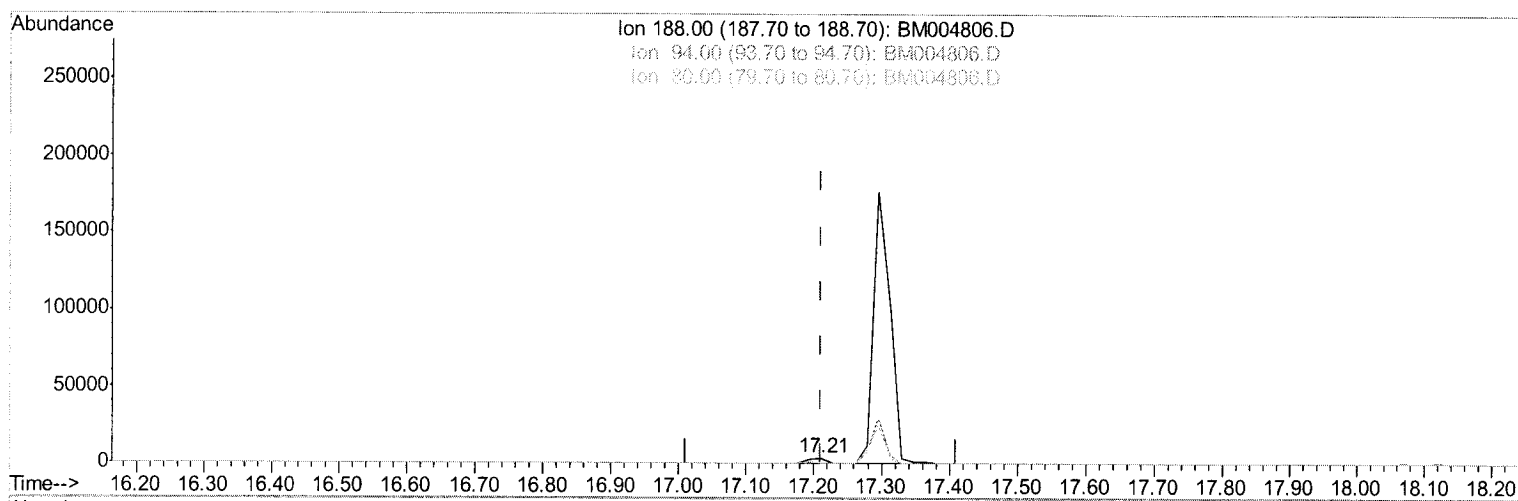
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TIC: BM004806.D

(12) Phenanthrene-d10 (I)

17.211min (-0.000) 0.40ng/ul m

response 6282

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	7.30#
80.00	11.90	6.30#
0.00	0.00	0.00

U.M
 04/07/16

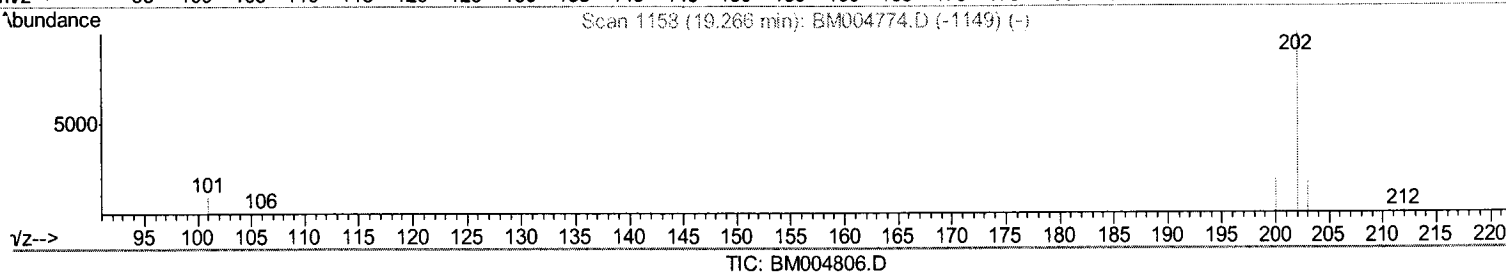
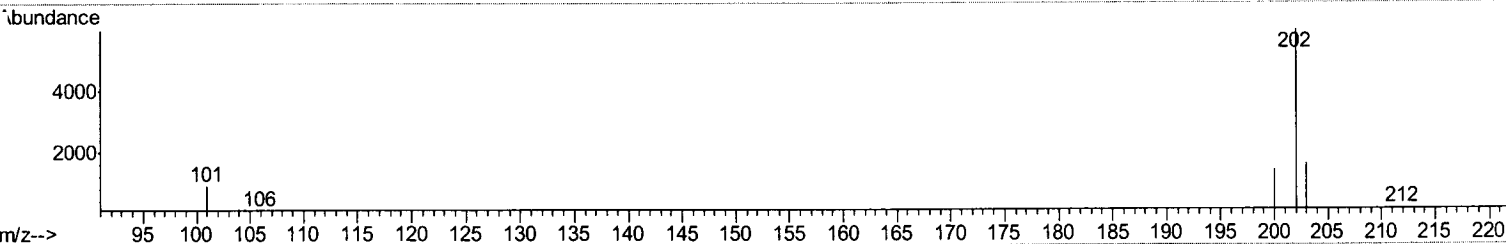
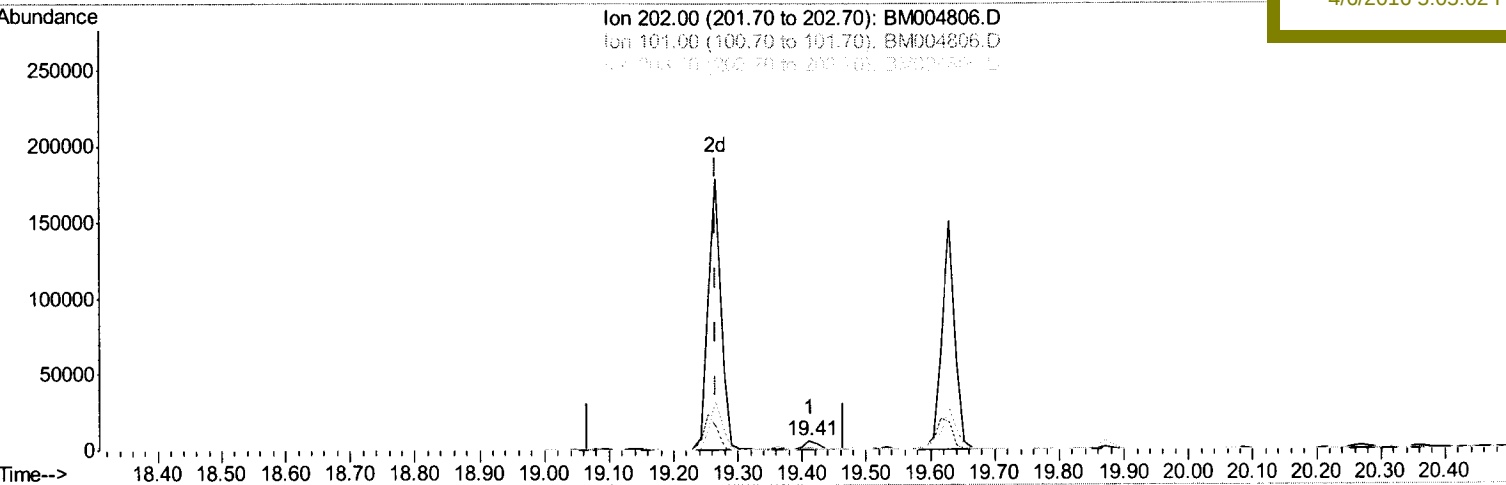
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Sample : H1909-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 05 19:42:34 2016
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Sohil
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(17) Fluoranthene (C)

19.411min (+0.145) 0.43ng/ul

response 8632

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	15.00
203.00	16.30	26.42
0.00	0.00	0.00

Quantitation Report (Qedit)

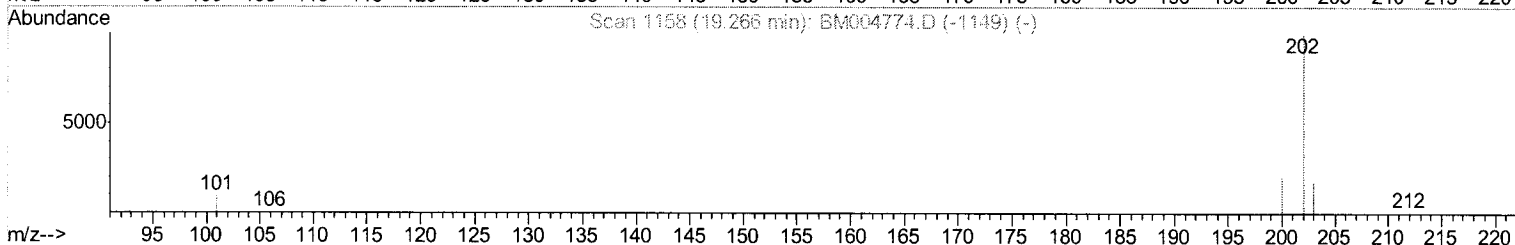
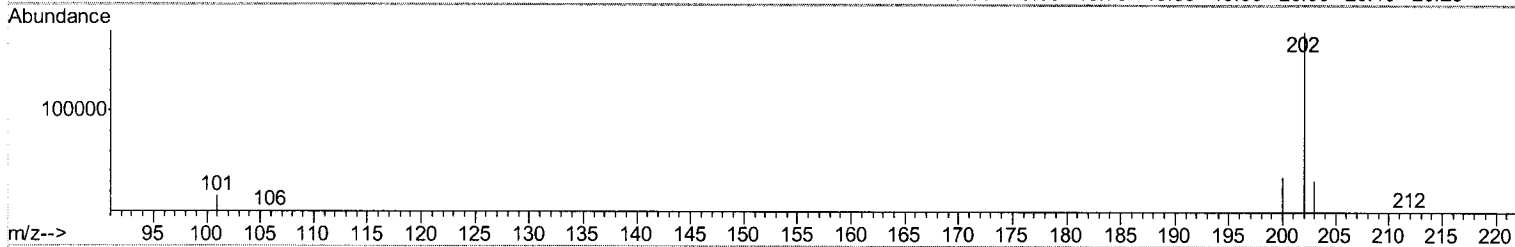
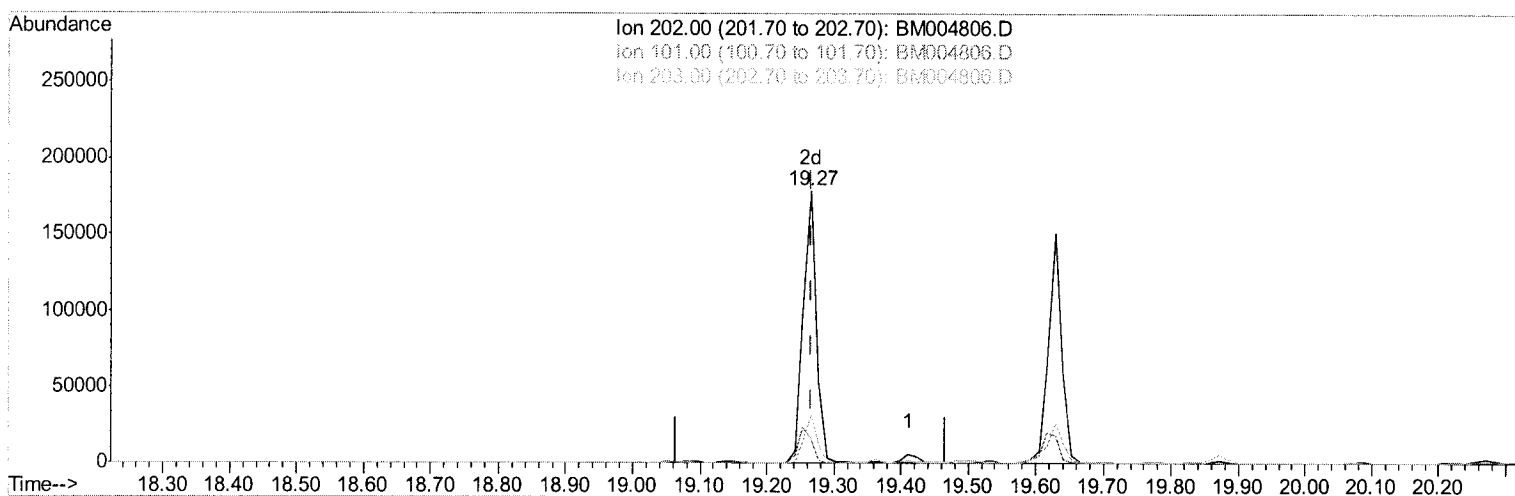
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TIC: BM004806.D

(17) Fluoranthene (C)

19.266min (-0.000) 12.32ng/ul m *U.M*
04/07/16
 response 247469

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	8.79
203.00	16.30	17.82
0.00	0.00	0.00

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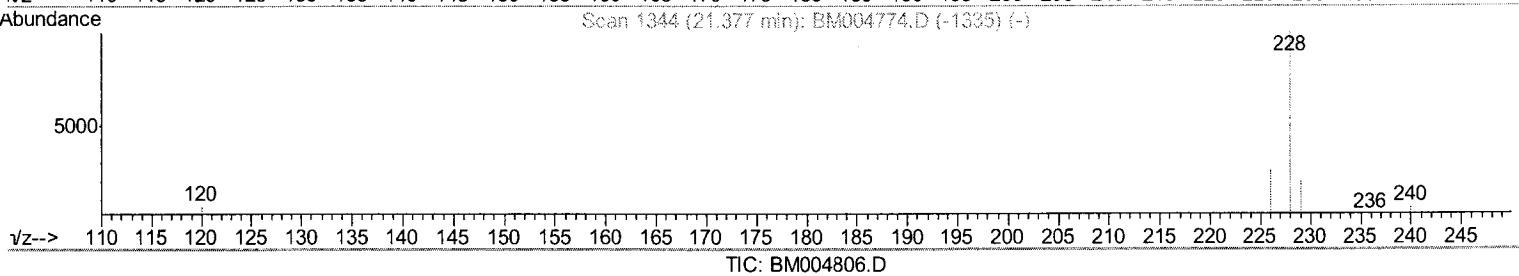
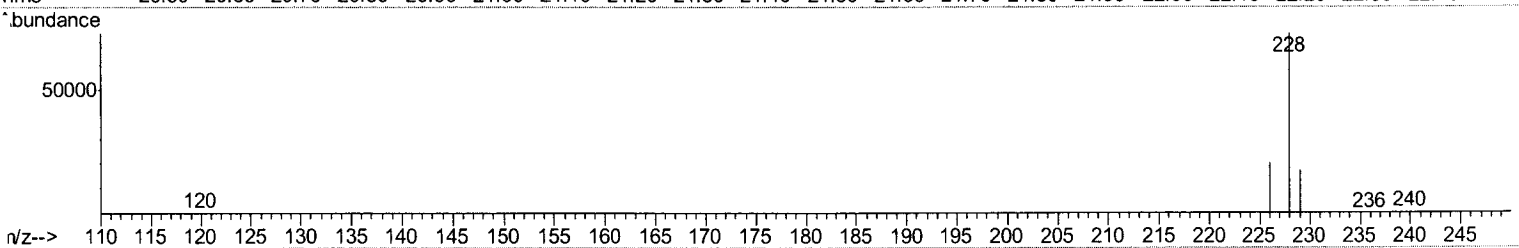
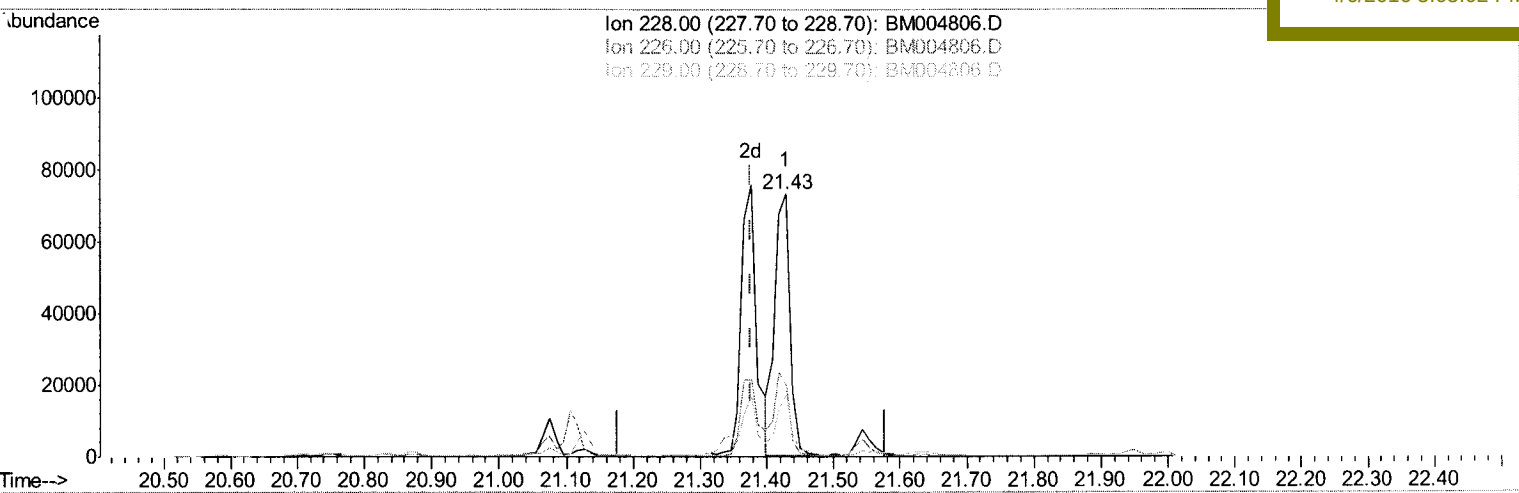
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(20) Benzo(a)anthracene

21.429min (+0.052) 5.91ng/ul

response 117390

Ion	Exp%	Act%
228.00	100	100
226.00	23.50	27.42
229.00	21.40	23.47
0.00	0.00	0.00

Quantitation Report (Qedit)

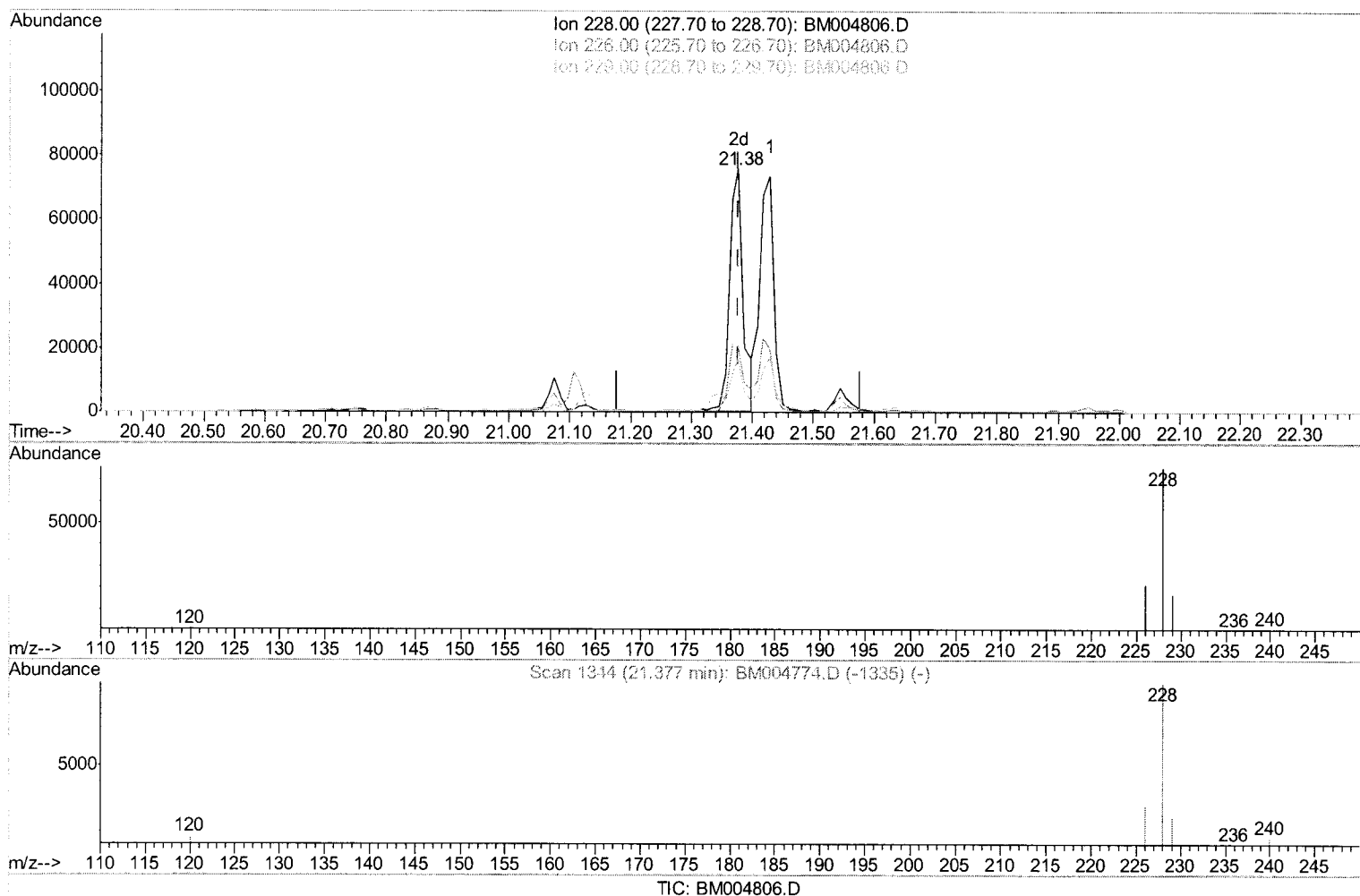
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 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Manual Integrations
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(20) Benzo(a)anthracene

21.377min (-0.000) 6.06ng/ul m

response 120471

Ion	Exp%	Act%
228.00	100	100
226.00	23.50	28.32#
229.00	21.40	22.33
0.00	0.00	0.00

U.M
 04/07/16

Quantitation Report (Qedit)

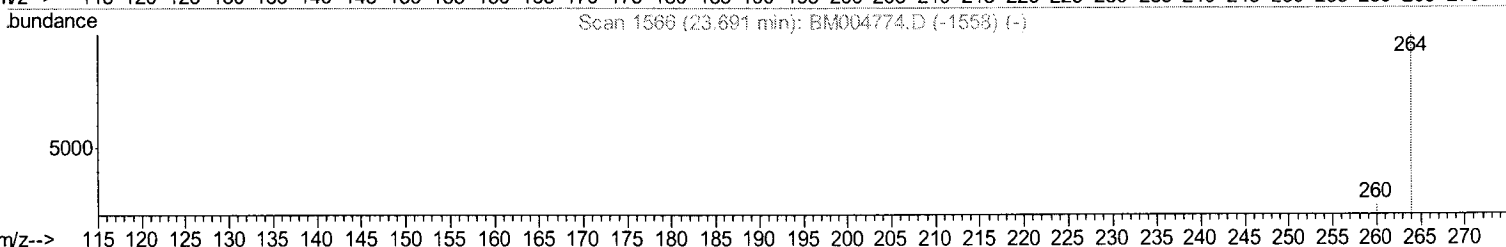
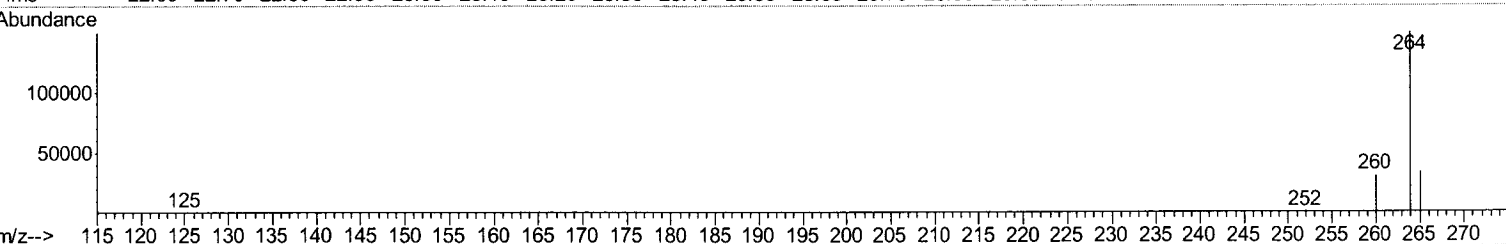
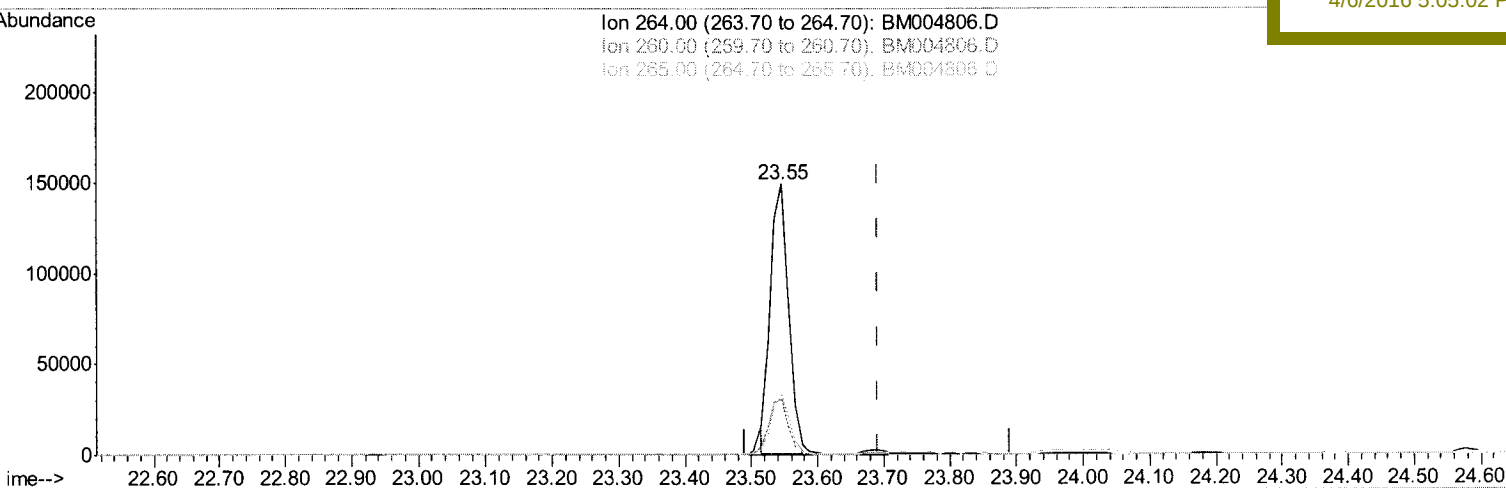
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Instrument :
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Manual Integrations
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TIC: BM004806.D

(22) Perylene-d12 (I)

23.545min (-0.146) 0.40ng/ul

response 289557

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	20.60
265.00	38.20	22.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

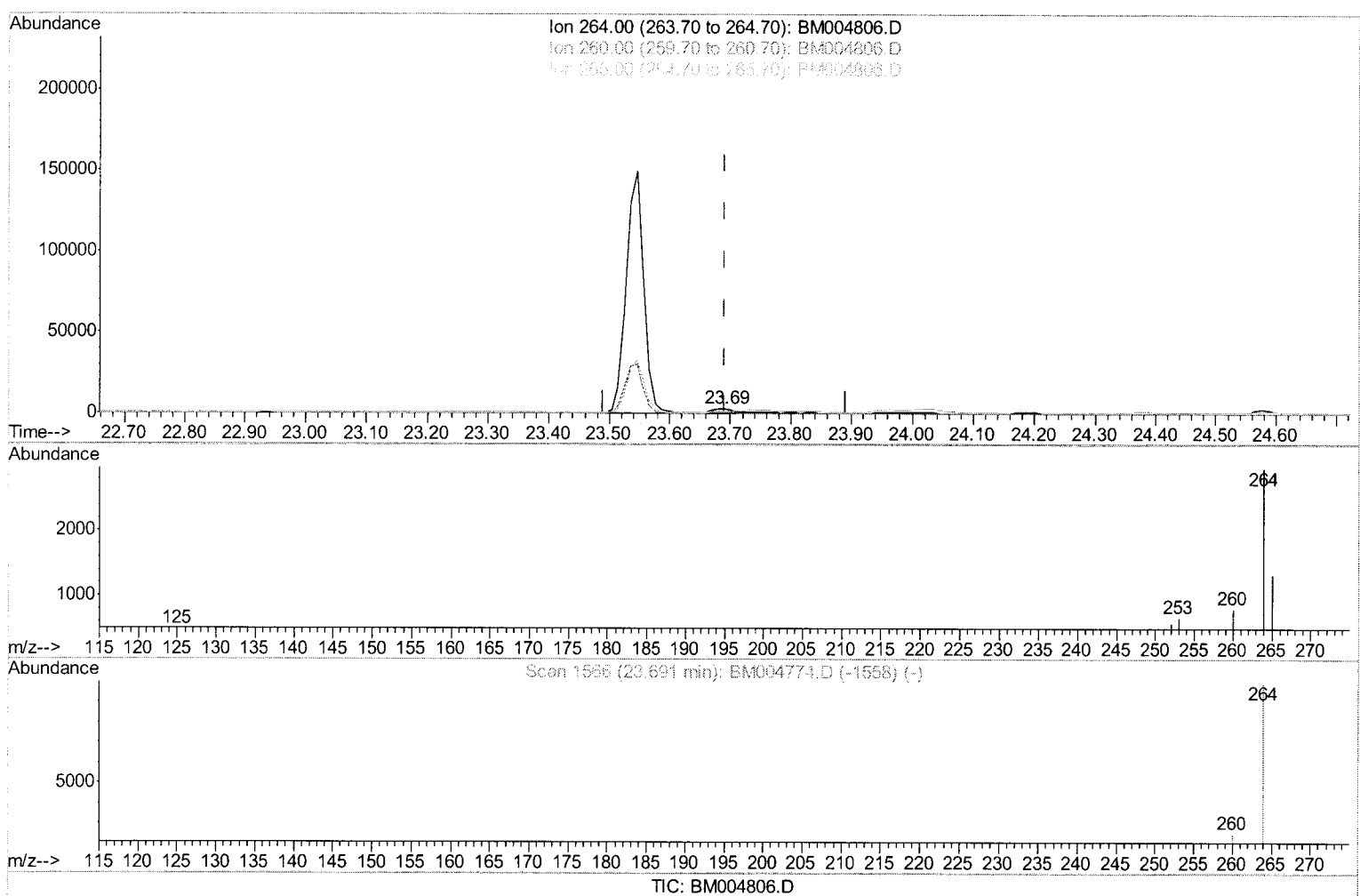
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Instrument :
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(22) Perylene-d12 (I)

23.691min (-0.000) 0.40ng/ul m

response 4681

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	27.11
265.00	38.20	44.67
0.00	0.00	0.00

U.M
 04/07/16

Quantitation Report (Qedit)

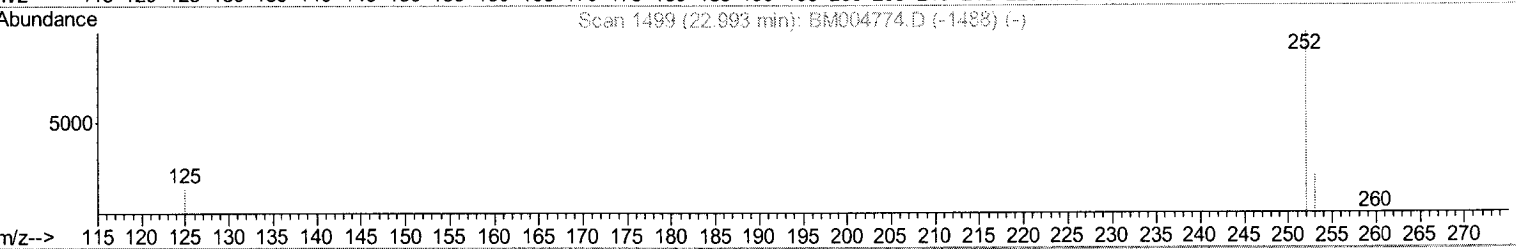
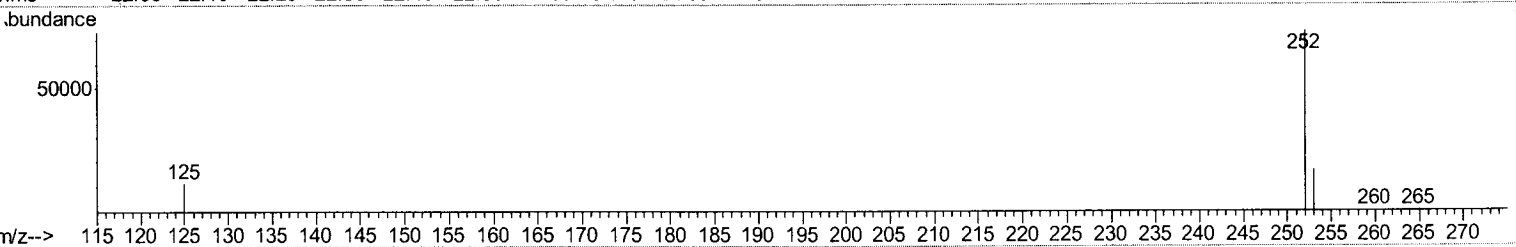
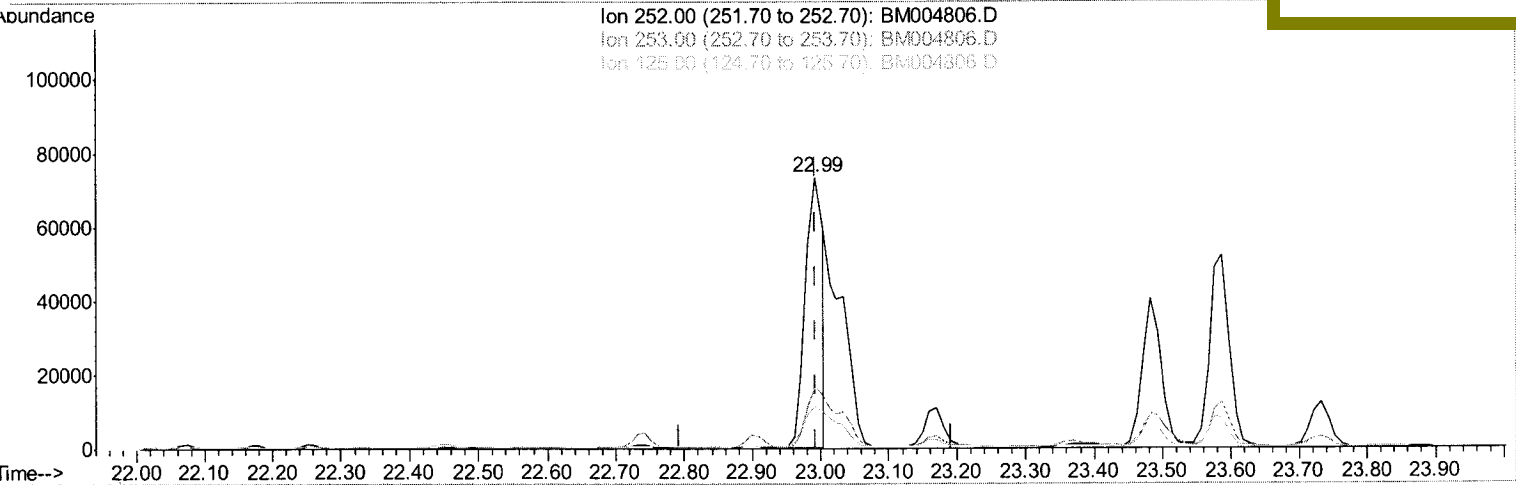
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 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Manual Integrations
 APPROVED

Sohil
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TIC: BM004806.D

(23) Benzo(b)fluoranthene

22.993min (-0.000) 8.30ng/ul

response 130936

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.62
125.00	14.40	15.69
0.00	0.00	0.00

Quantitation Report (Qedit)

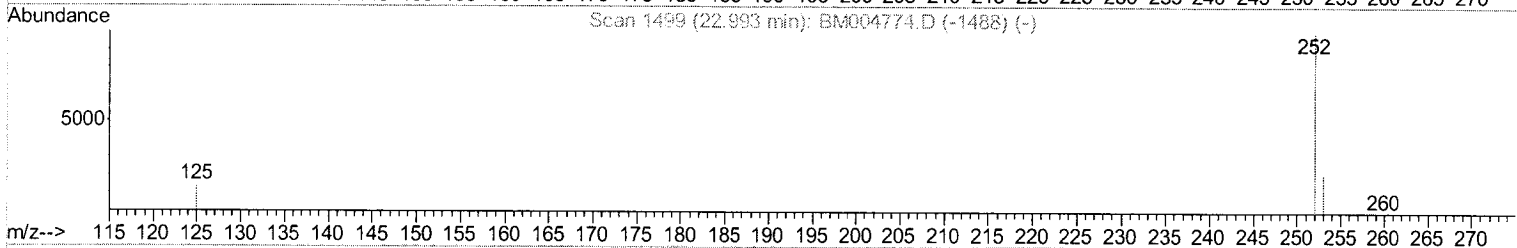
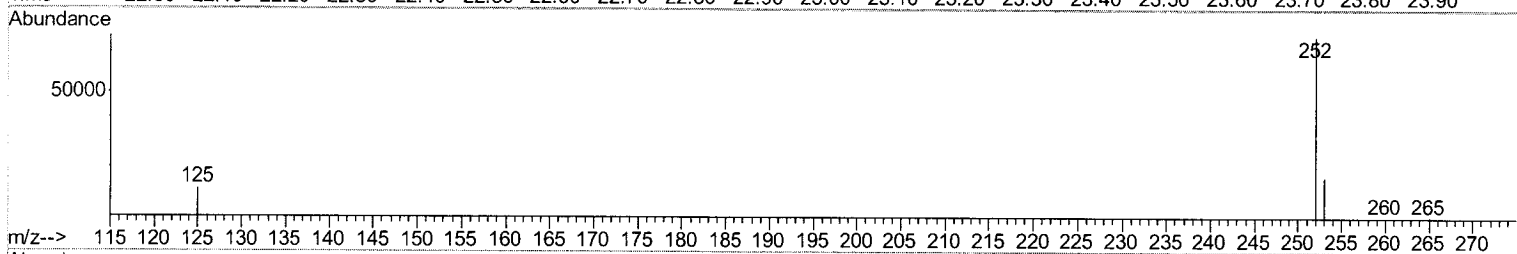
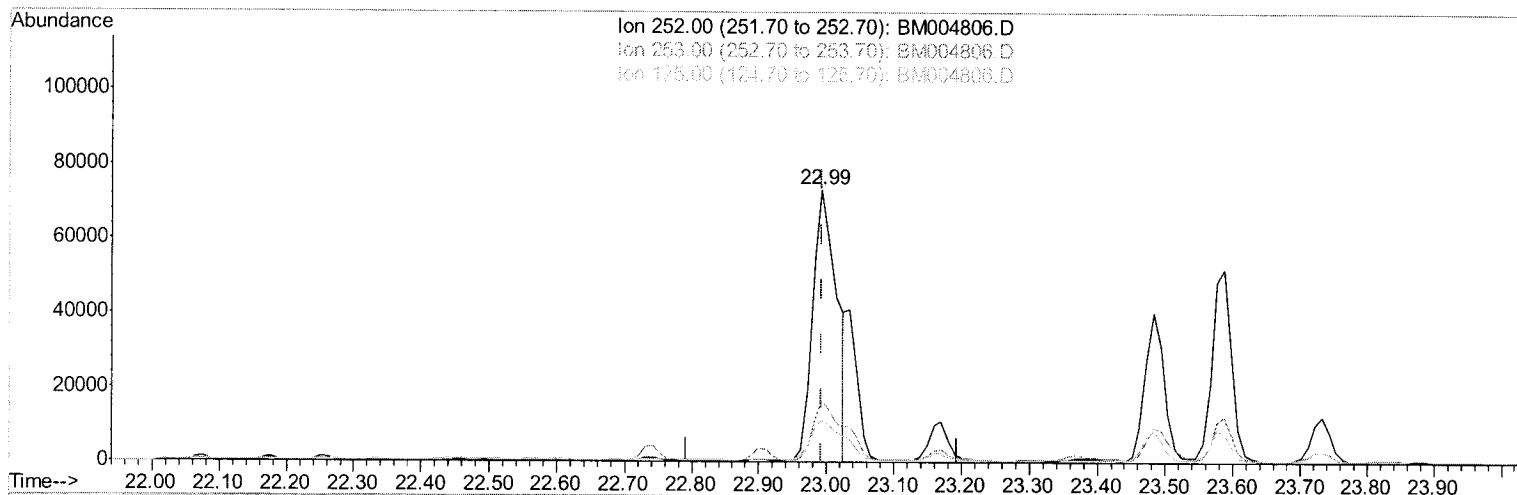
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 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
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TIC: BM004806.D

(23) Benzo(b)fluoranthene

22.993min (-0.000) 11.74ng/ul m U.M
 response 185079 04/07/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.62
125.00	14.40	15.69
0.00	0.00	0.00

Quantitation Report (Qedit)

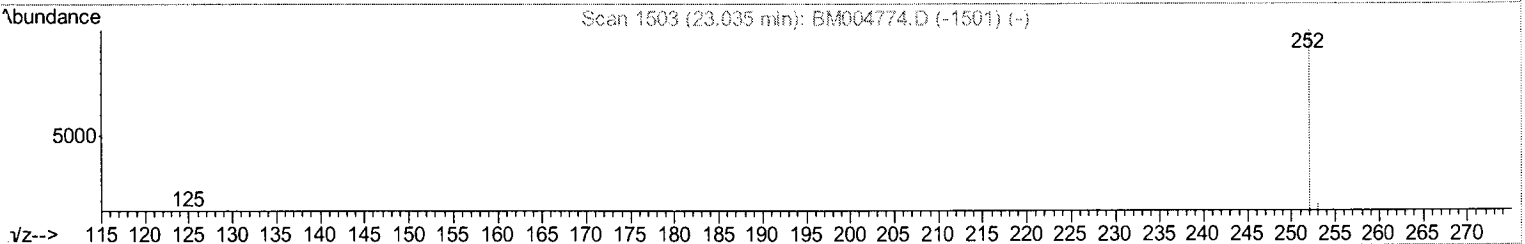
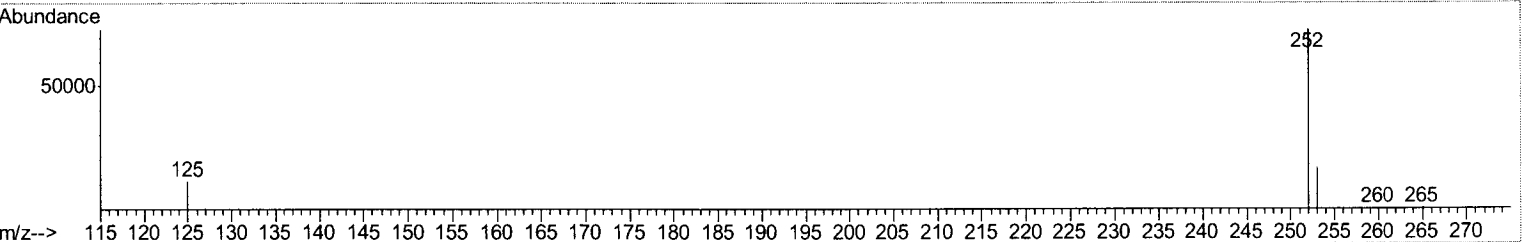
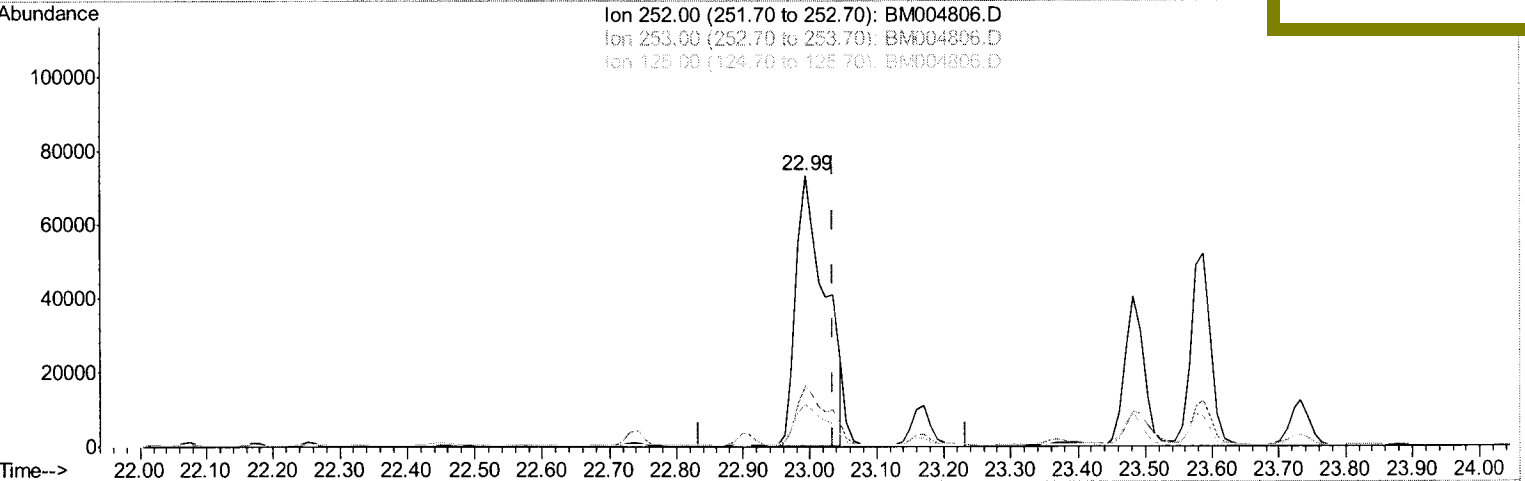
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Manual Integrations
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TIC: BM004806.D

(24) Benzo(k)fluoranthene

22.993min (-0.042) 15.30ng/ul

response 223640

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	22.62
125.00	13.00	15.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

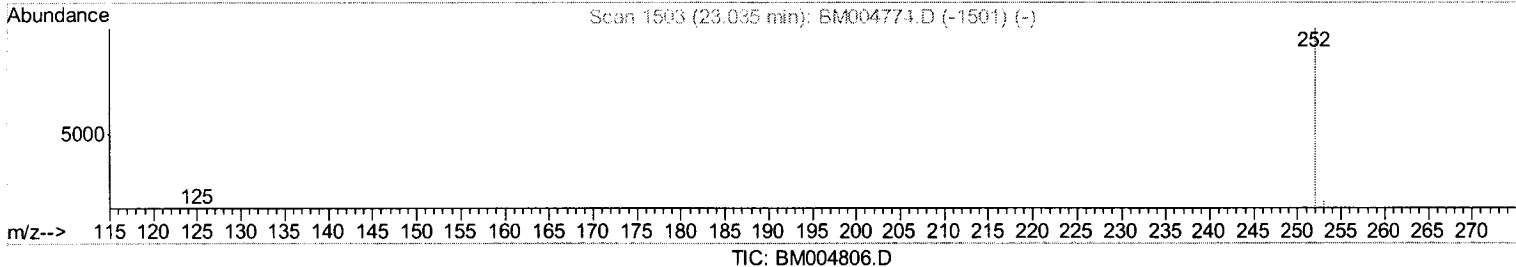
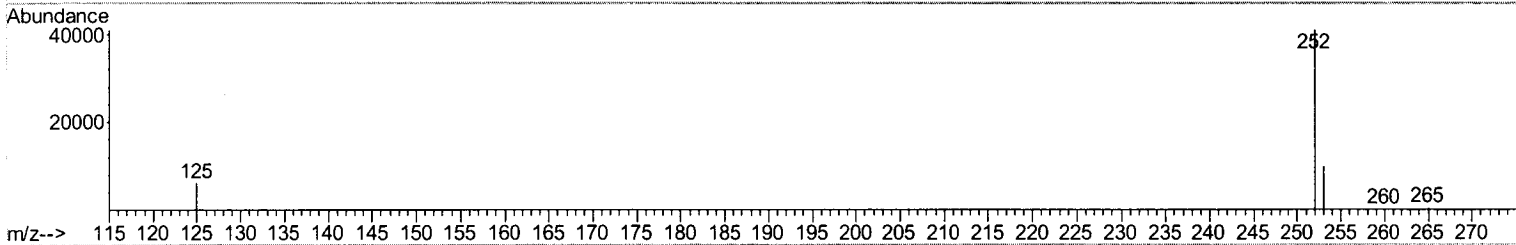
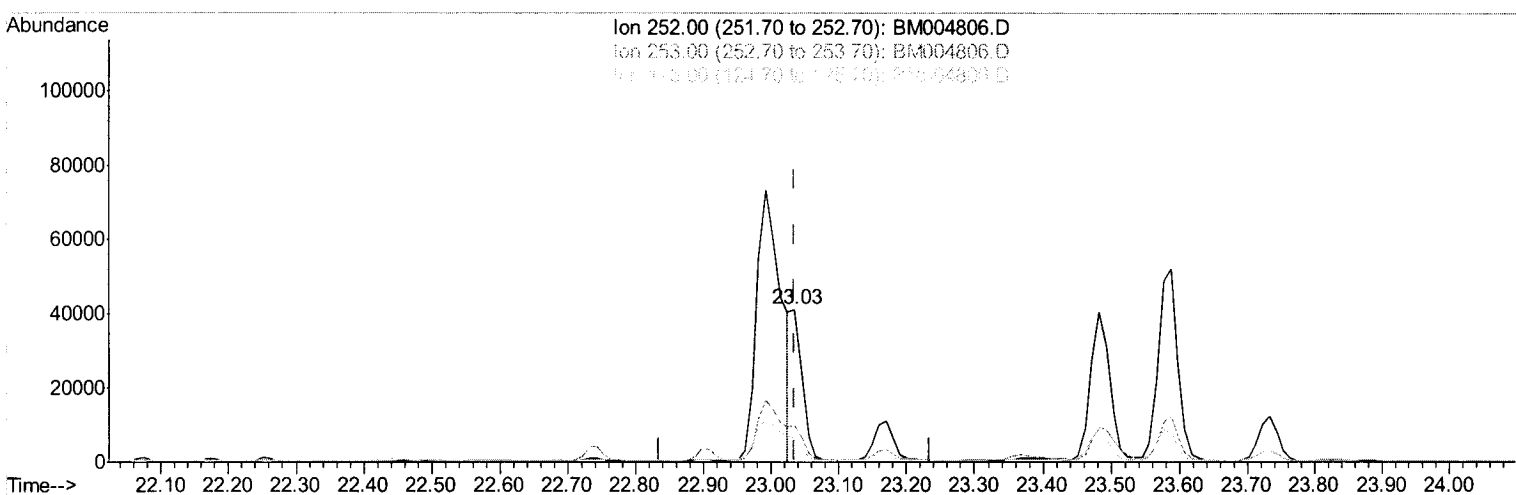
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(24) Benzo(k)fluoranthene

23.034min (-0.000) 3.23ng/ul m U.M
 response 47162
 04/07/16

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	24.25
125.00	13.00	15.08
0.00	0.00	0.00

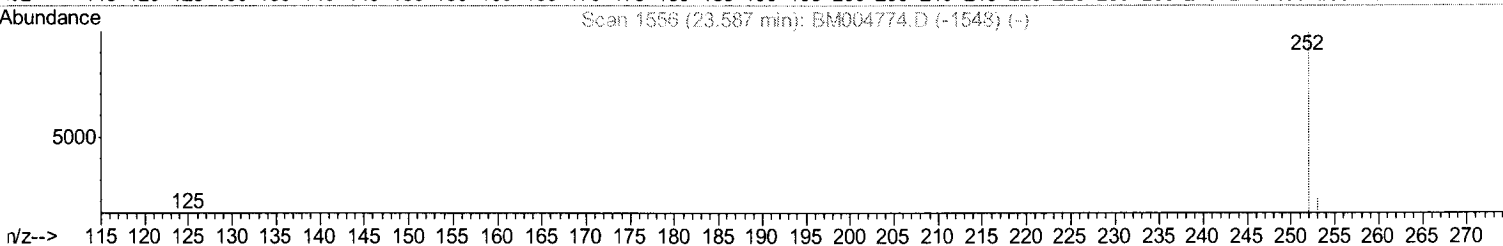
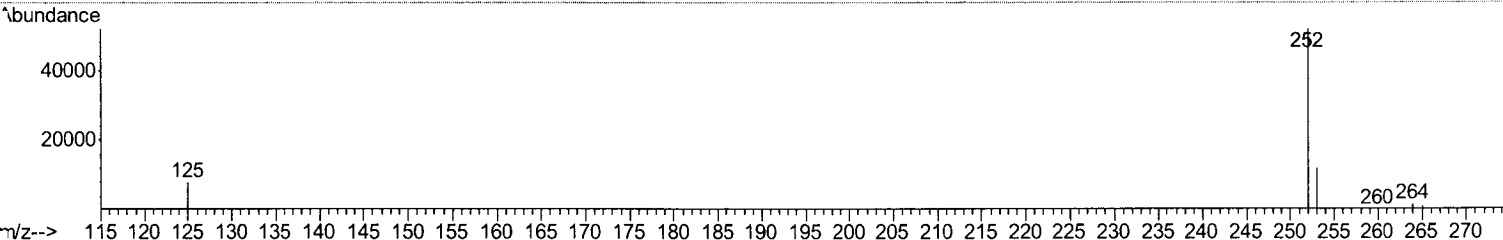
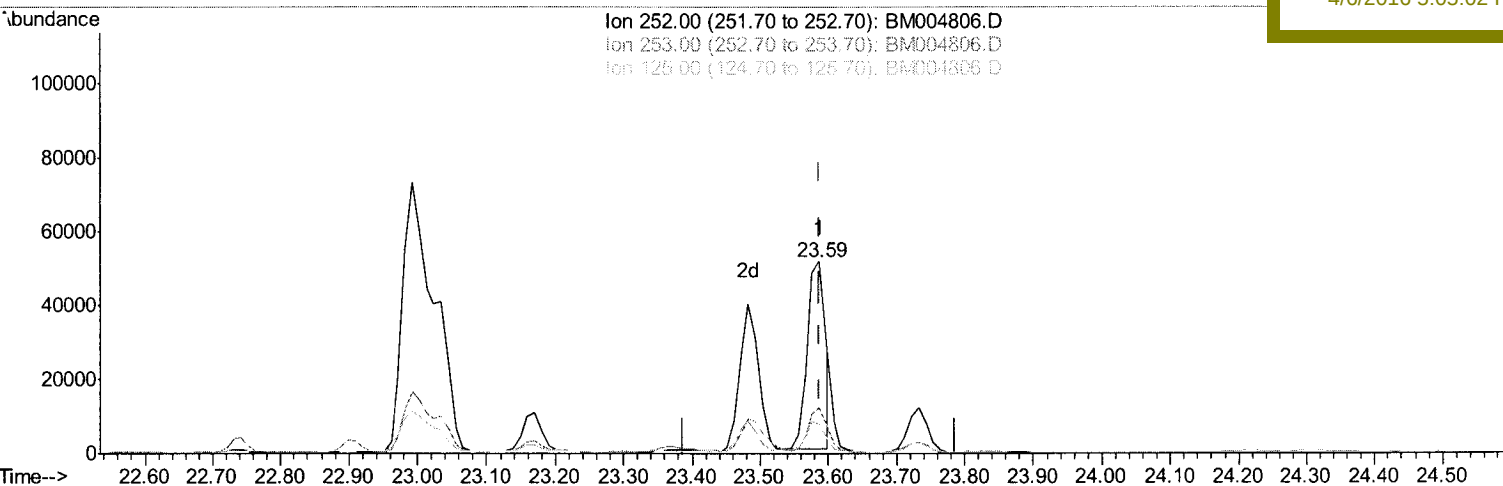
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(25) Benzo(a)pyrene (C)

23.587min (-0.000) 6.48ng/ul

response 93382

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	23.50
125.00	15.90	15.67
0.00	0.00	0.00

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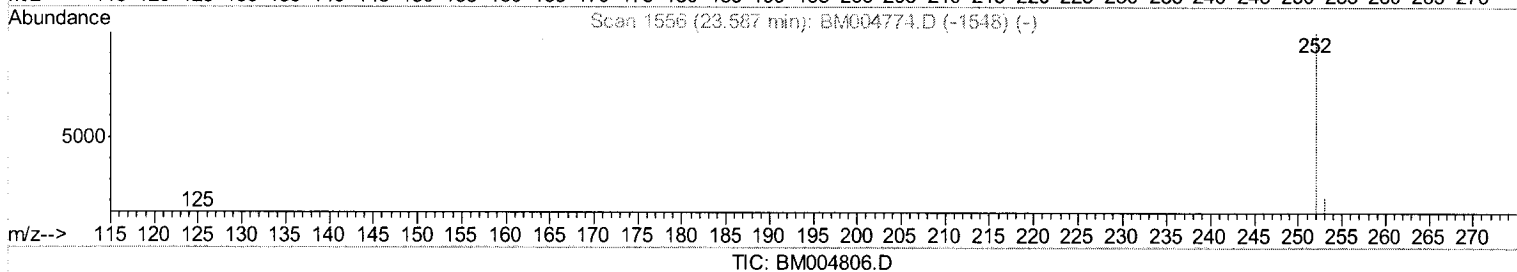
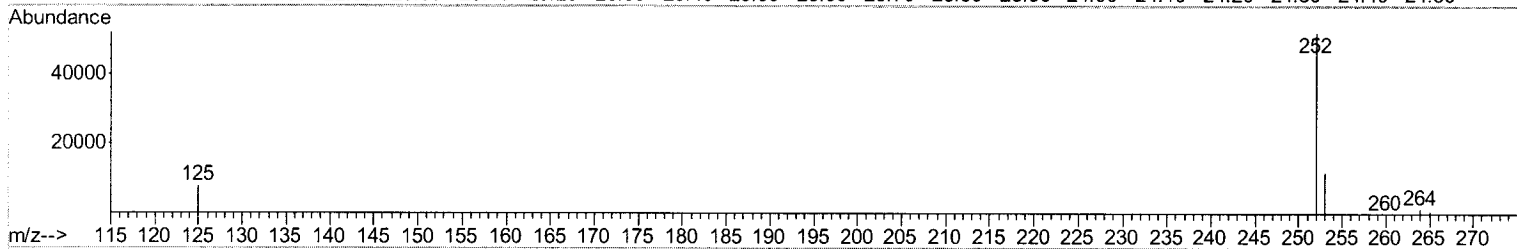
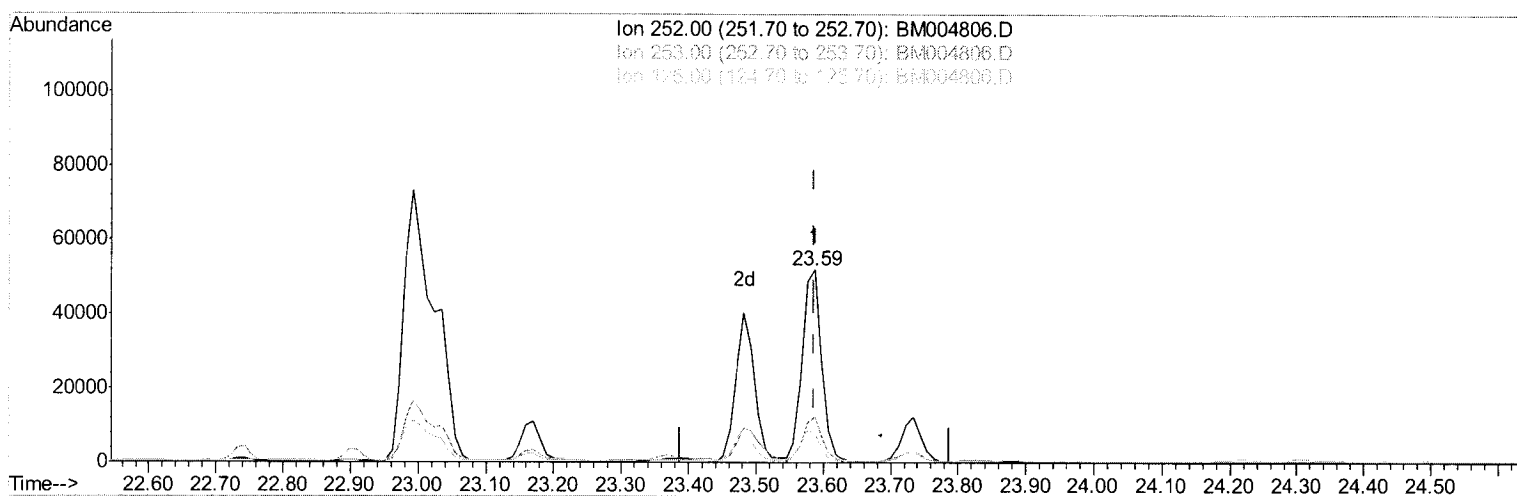
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Response via : Initial Calibration



(25) Benzo(a)pyrene (C)

23.587min (-0.000) 7.20ng/ul m

response 103784

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	23.50
125.00	15.90	15.67
0.00	0.00	0.00

U.M
04/07/16

Quantitation Report (Qedit)

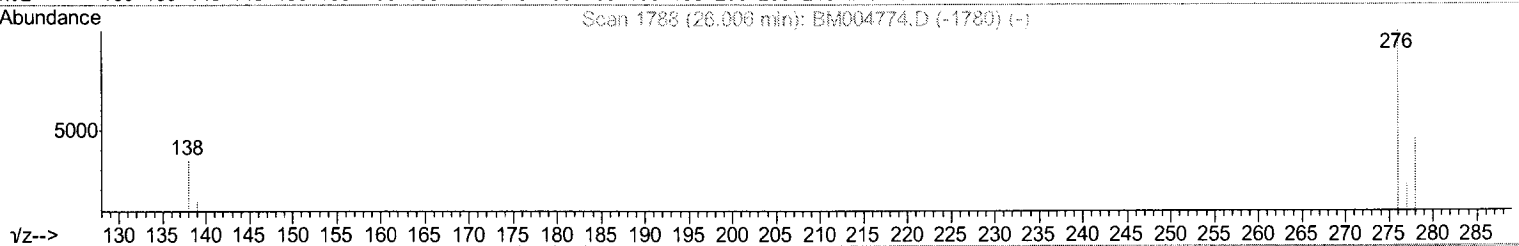
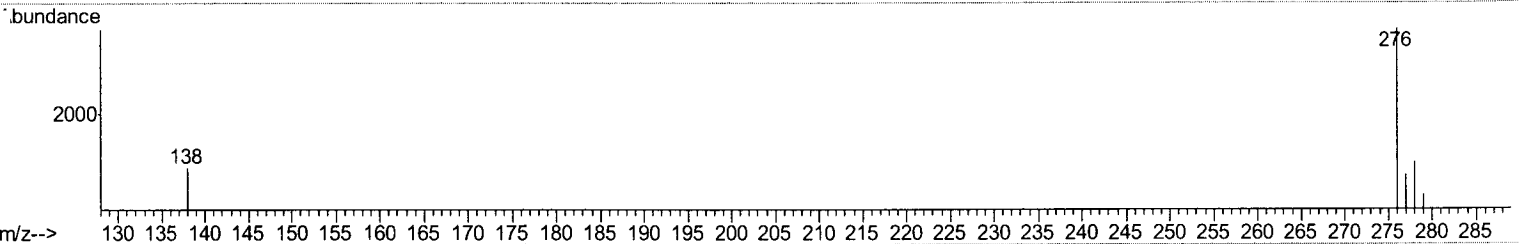
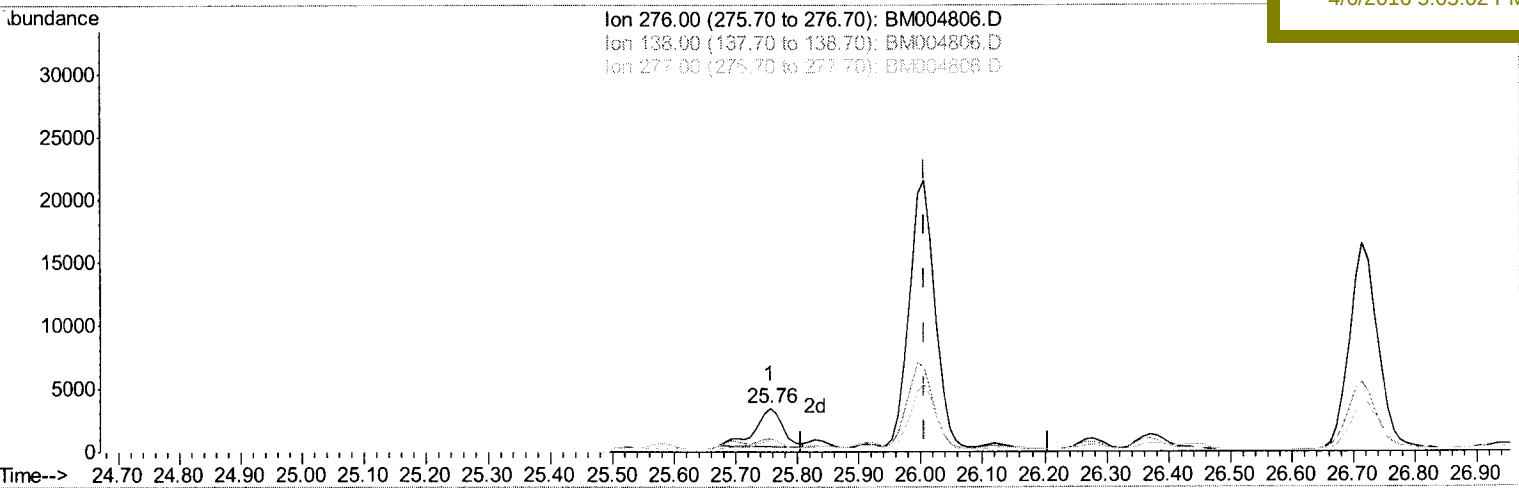
Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Quant Time: Apr 05 19:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Sohil
 4/6/2016 5:05:02 PM



TIC: BM004806.D

(26) Indeno(1,2,3-cd)pyrene

25.755min (-0.250) 0.71ng/ul

response 9495

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	17.73
277.00	24.80	24.59
0.00	0.00	0.00

Quantitation Report (Qedit)

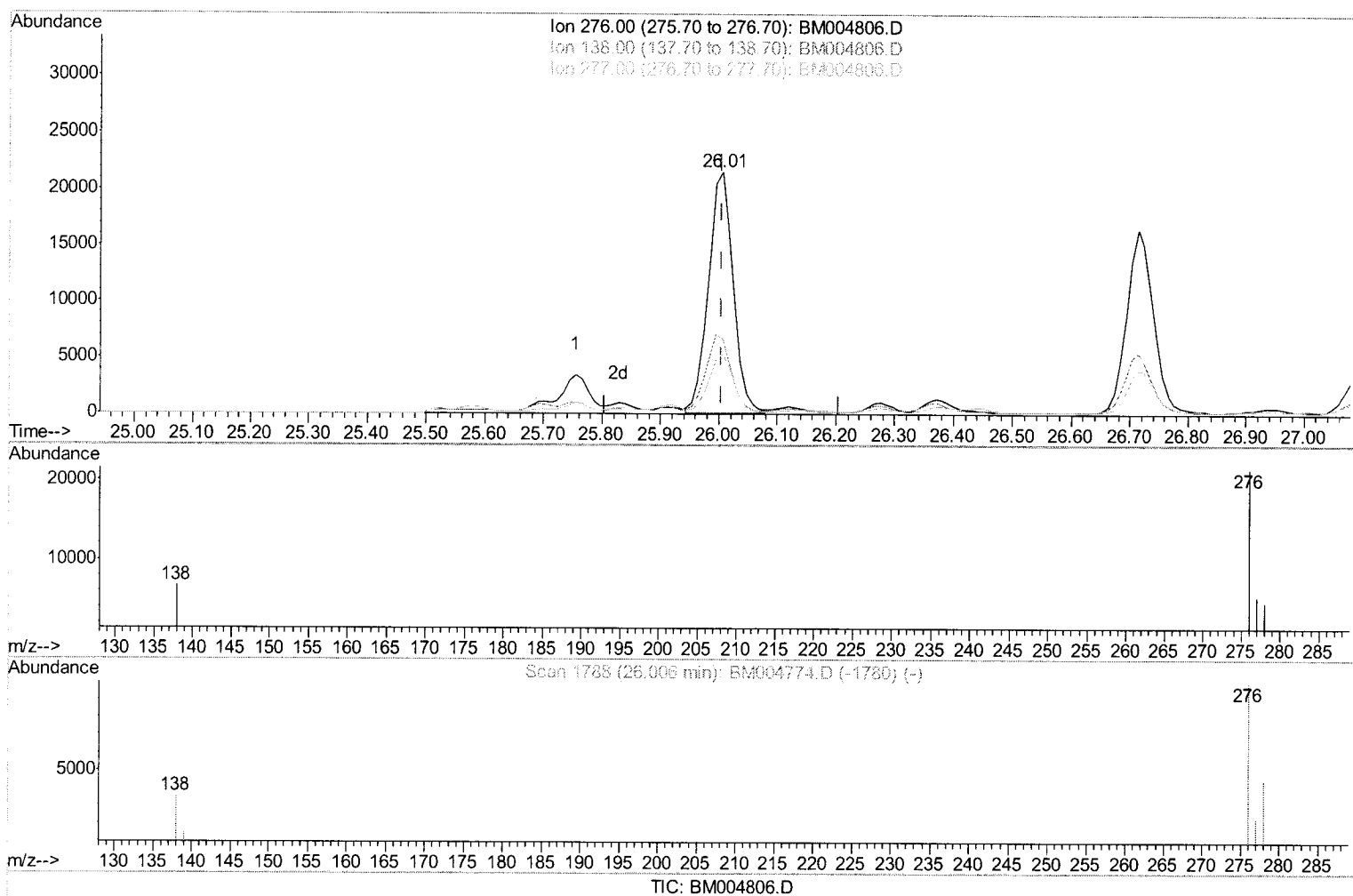
Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Manual Integrations
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Sohil
 4/6/2016 5:05:02 PM

Quant Time: Apr 05 19:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



TIC: BM004806.D

(26) Indeno(1,2,3-cd)pyrene

26.005min (-0.000) 4.74ng/ul m U.M
 response 63203
 04/07/16

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	2.66#
277.00	24.80	3.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

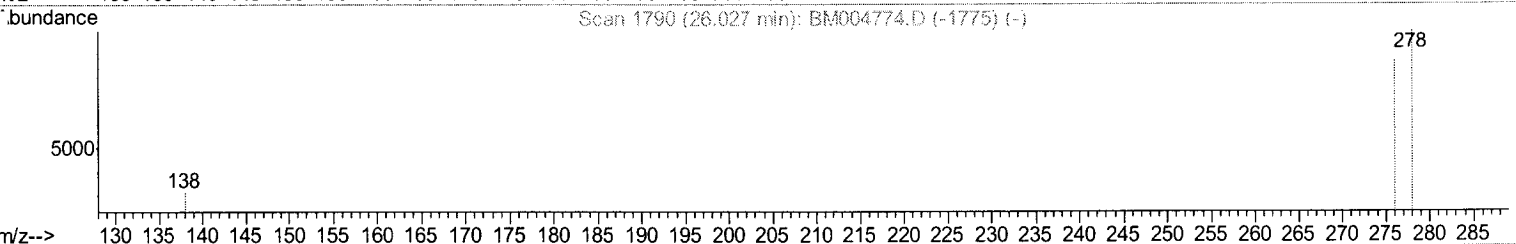
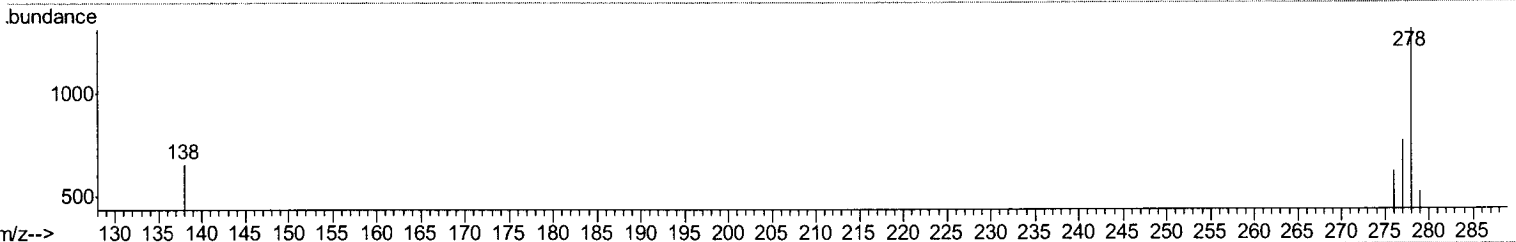
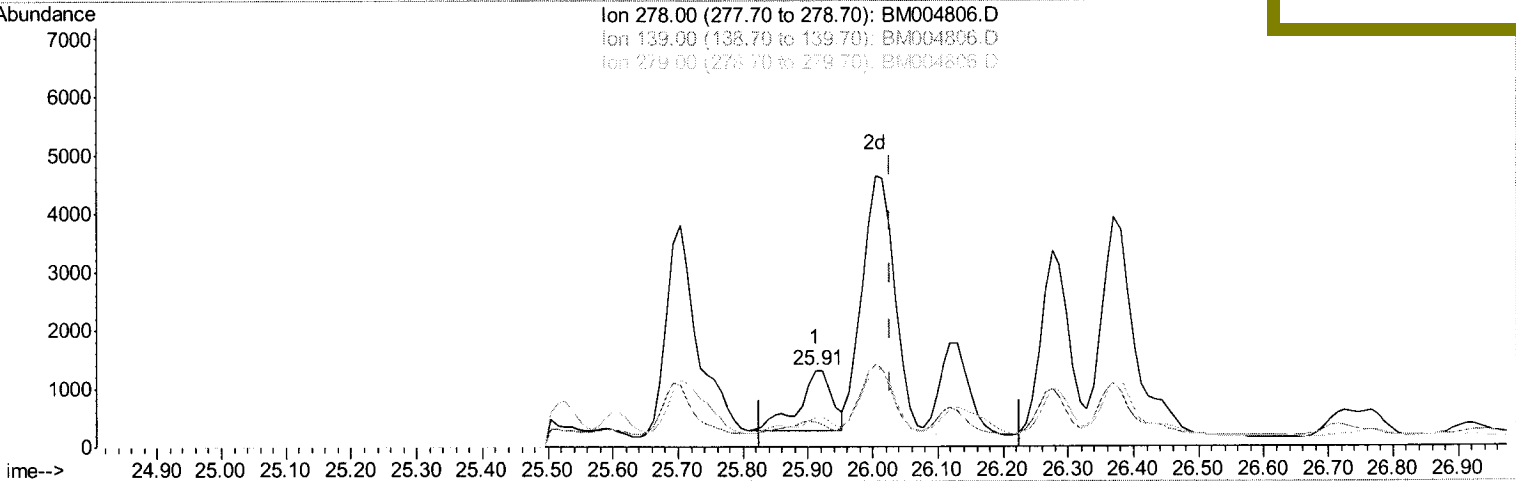
Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Manual Integrations
 APPROVED

Sohil
 4/6/2016 5:05:02 PM

Quant Time: Apr 05 19:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



TIC: BM004806.D

(27) Dibenzo(a,h)anthracene

25.912min (-0.115) 0.36ng/ul

response 3786

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	32.83#
279.00	25.20	39.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

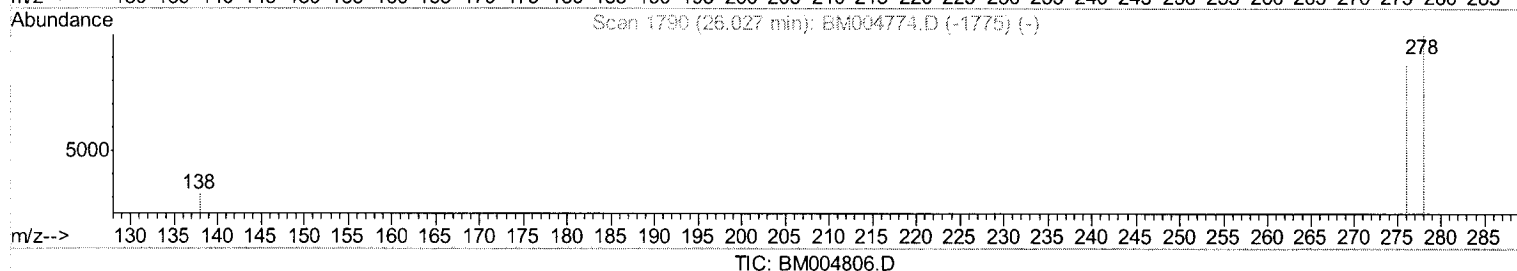
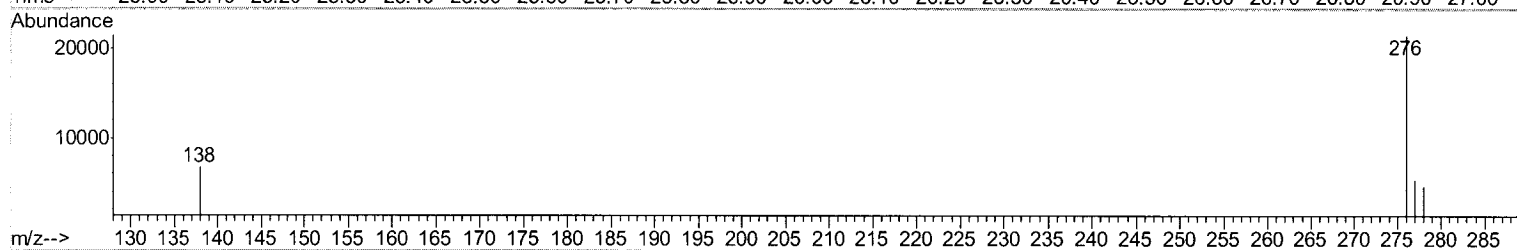
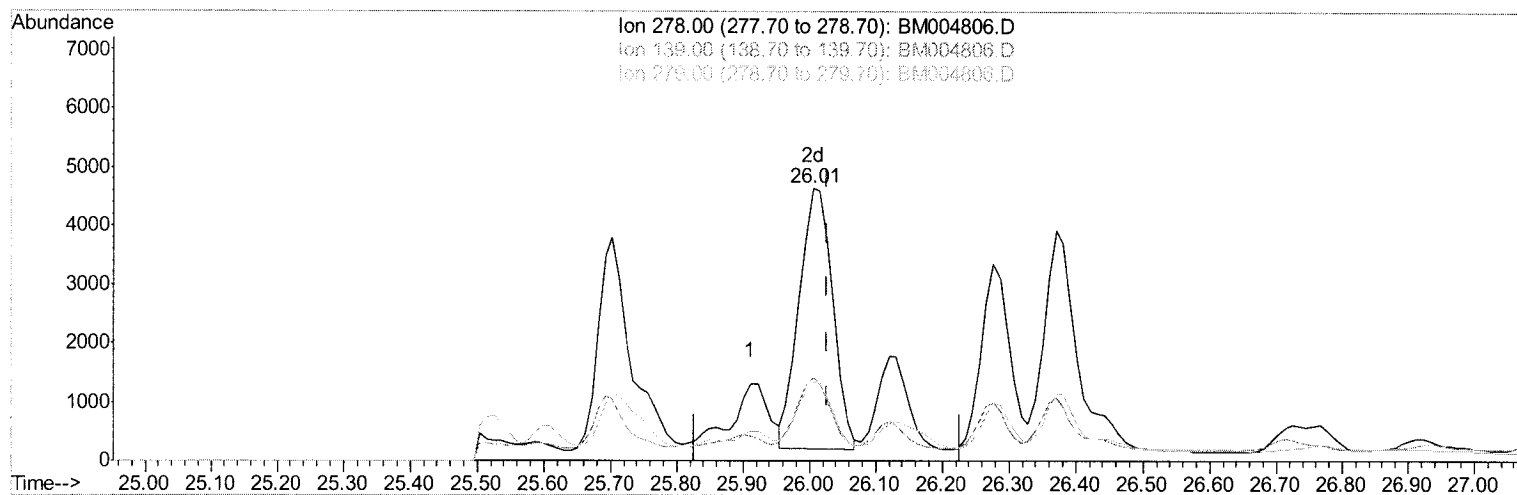
Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Manual Integrations
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Sohil
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Quant Time: Apr 05 19:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



TIC: BM004806.D

(27) Dibenzo(a,h)anthracene

26.005min (-0.021) 1.48ng/ul m

response 15571

U.M
 04/07/16

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	30.56#
279.00	25.20	29.20
0.00	0.00	0.00

Quantitation Report (Qedit)

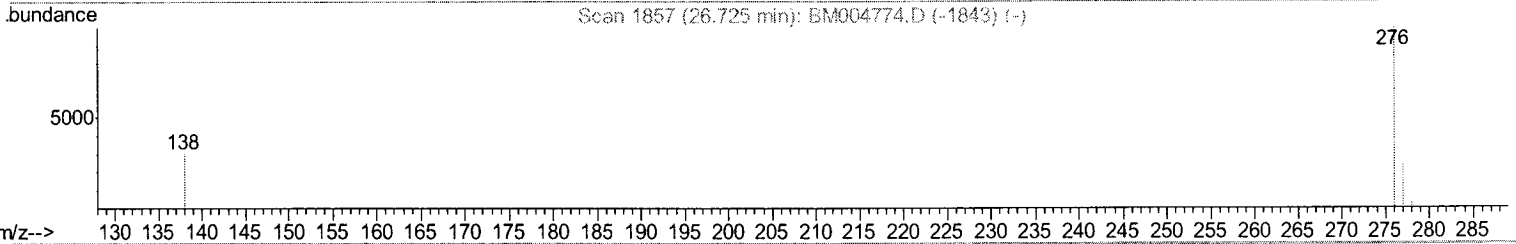
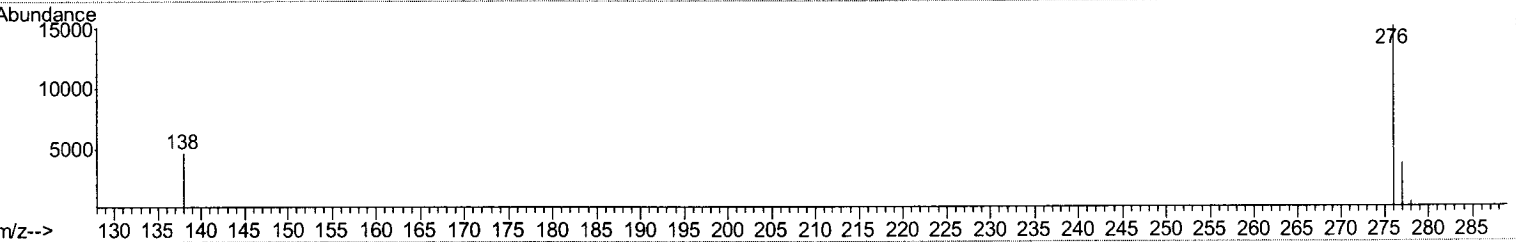
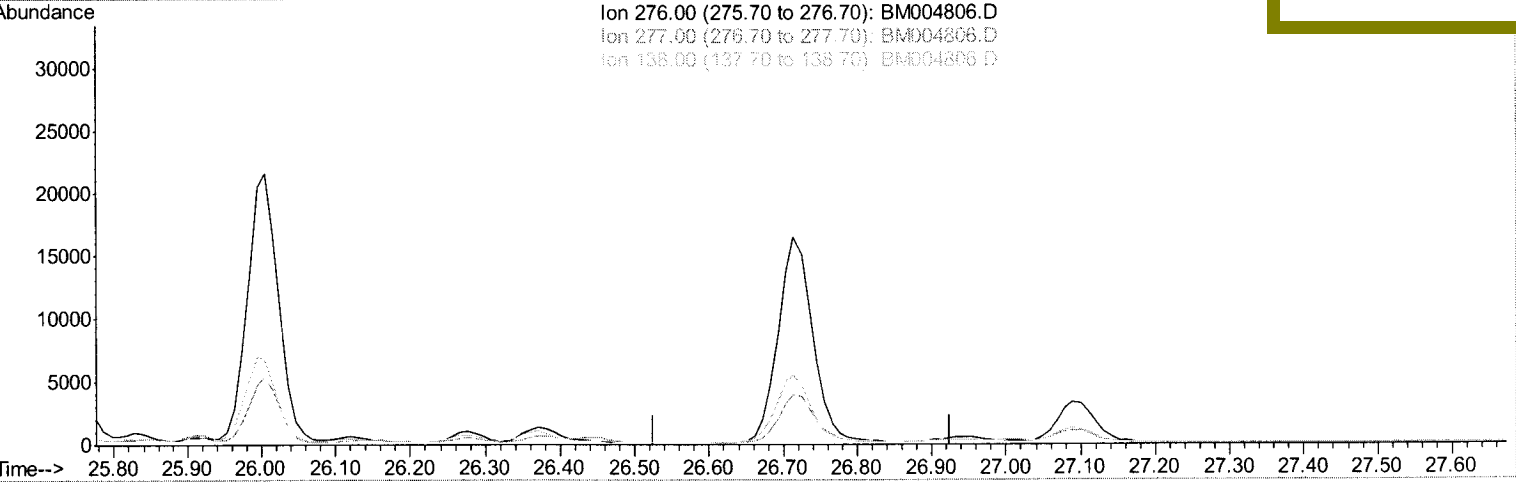
Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Manual Integrations
 APPROVED

Sohil
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Quant Time: Apr 05 19:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



TIC: BM004806.D

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

26.725min (-26.725) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	23.60	0.00#
138.00	28.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

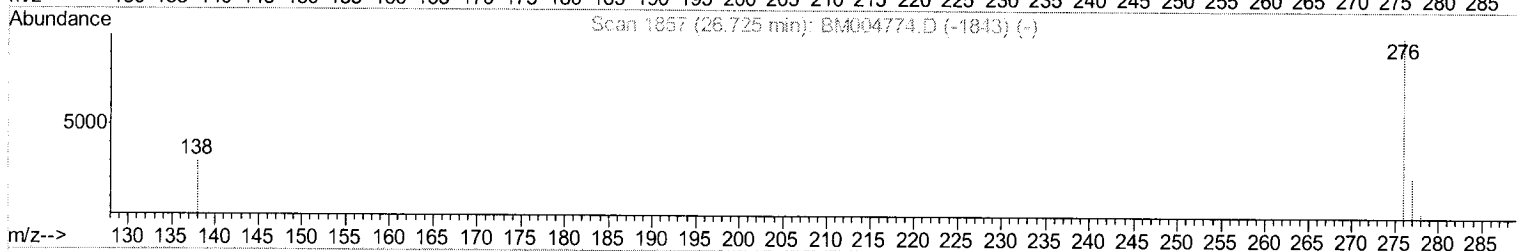
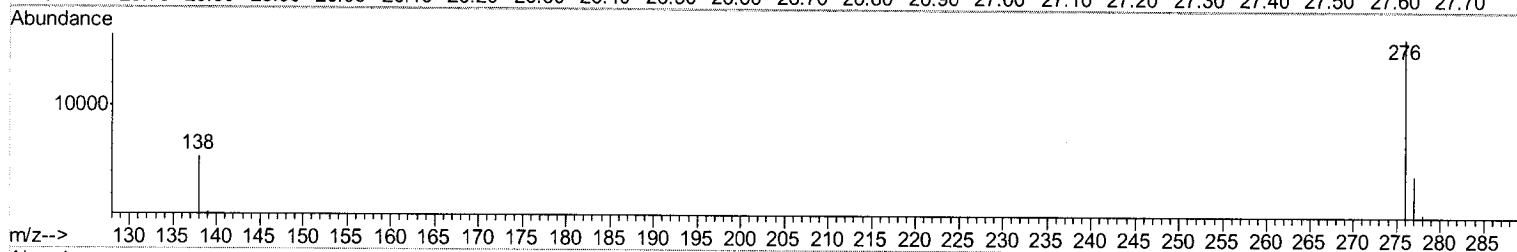
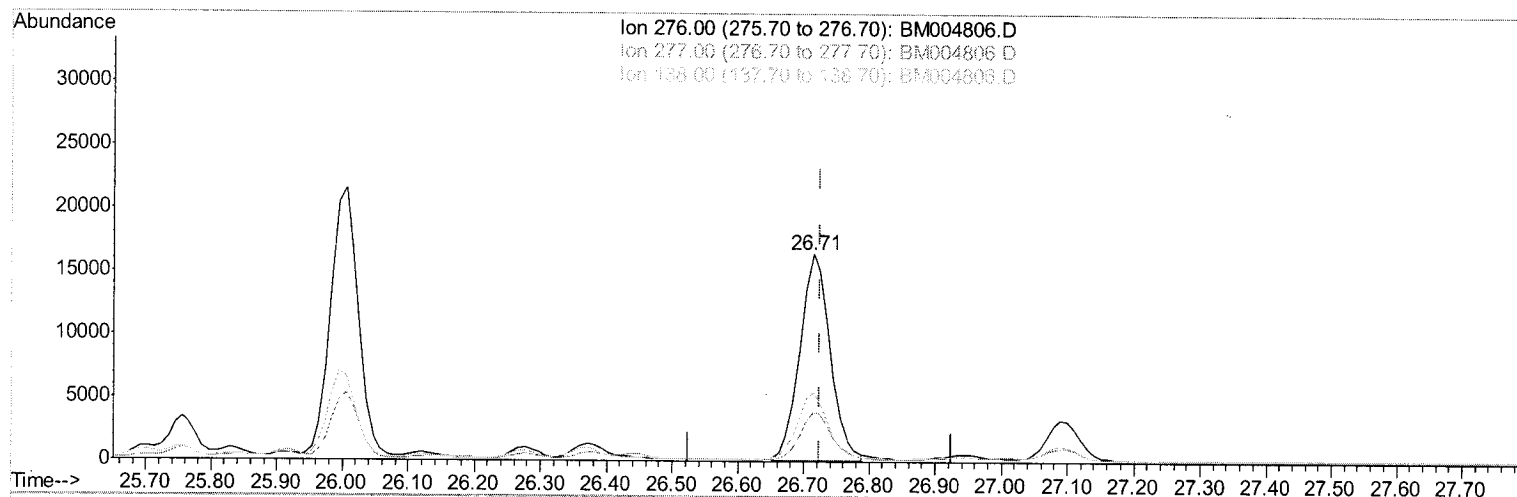
Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Manual Integrations
 APPROVED

Sohil
 4/6/2016 5:05:02 PM

Quant Time: Apr 05 19:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration



TIC: BM004806.D

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

26.714min (-0.011) 4.77ng/ul m U.M
 response 52634 04/07/16

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	23.93
138.00	28.10	33.35
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
 Data File : BM004806.D
 Acq On : 28 Mar 2016 14:43
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Quant Time: Apr 05 19:48:31 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1029	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4818	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2817	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	6282m	0.40	ng/ul	0.00
18) Chrysene-d12	21.40	240	6466	0.40	ng/ul	0.00
22) Perylene-d12	23.69	264	4681m	0.40	ng/ul	0.00

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System Monitoring Compounds

2) 1,4-Dioxane-d8	3.32	96	3811	8.22	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1659	0.25	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4298	0.29	ng/ul	0.00

Target Compounds

						Ovalue
5) Naphthalene	10.67	128	10657	0.92	ng/ul	98
7) 2-Methylnaphthalene	12.28	142	2081	0.25	ng/ul	99
9) Acenaphthylene	14.18	152	15673	1.21	ng/ul	94
10) Acenaphthene	14.52	153	3438	0.38	ng/ul	90
11) Fluorene	15.51	166	5808	0.53	ng/ul	91
14) Phenanthrene	17.24	178	115248	6.53	ng/ul	96
15) Anthracene	17.33	178	17333	1.04	ng/ul	97
17) Fluoranthene	19.27	202	247469m	12.32	ng/ul	
19) Pyrene	19.63	202	209056	9.44	ng/ul	96
20) Benzo(a)anthracene	21.38	228	120471m	6.06	ng/ul	
21) Chrysene	21.43	228	117266	6.11	ng/ul	97
23) Benzo(b)fluoranthene	22.99	252	185079m	11.74	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	47162m	3.23	ng/ul	
25) Benzo(a)pyrene	23.59	252	103784m	7.20	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.01	276	63203m	4.74	ng/ul	
27) Dibenzo(a,h)anthracene	26.01	278	15571m	1.48	ng/ul	
28) Benzo(a,h,i)perylene	26.71	276	52634m	4.77	ng/ul	

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 04/07/16

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