

Quantitation Report (QT Reviewed)

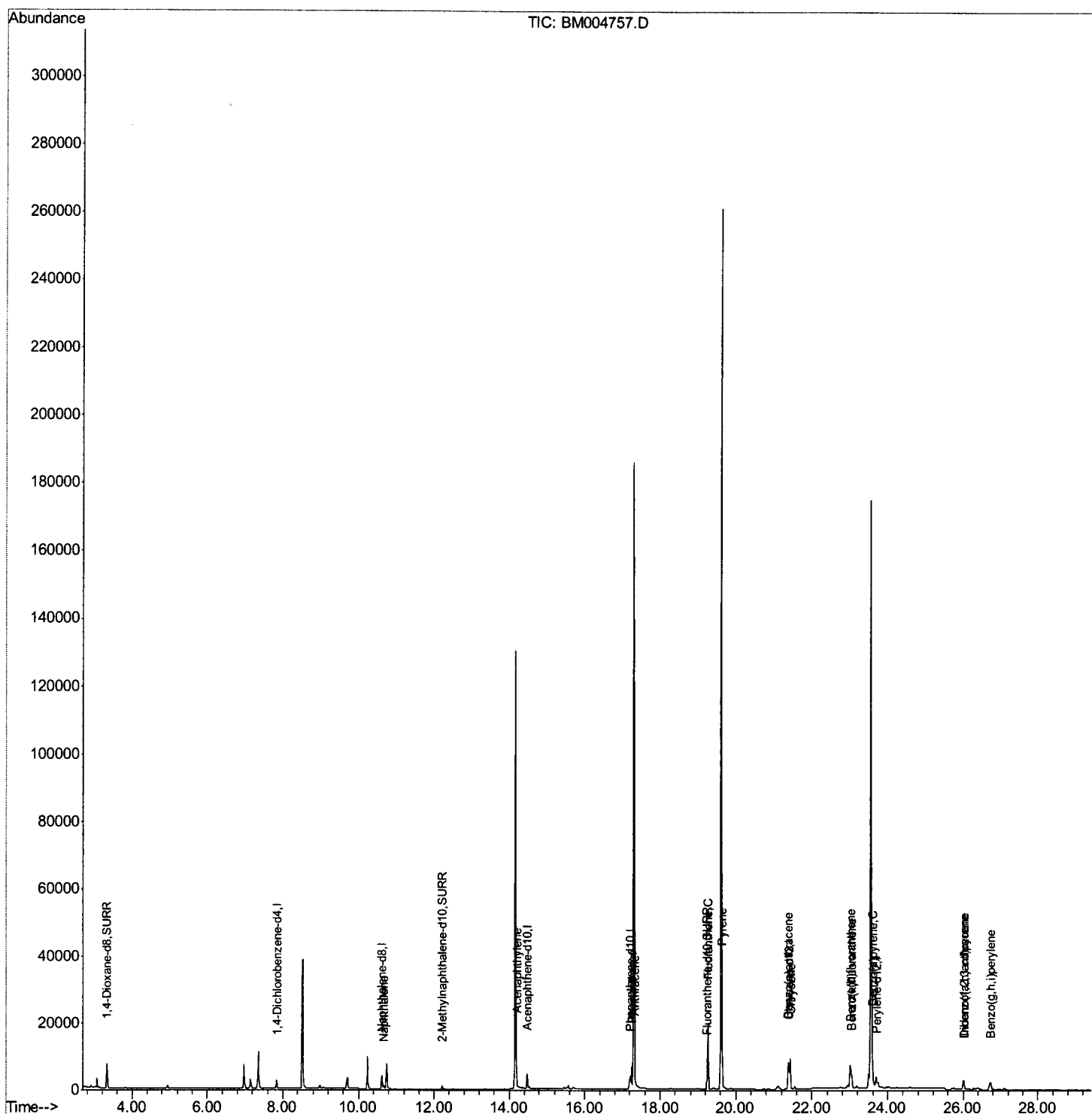
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004757.D
 Acq On : 24 Mar 2016 19:36
 Operator : UM/SJ
 Sample : H1909-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T37

Manual Integrations
 APPROVED

Sohil
 3/25/2016 2:59:37 PM

Quant Time: Mar 25 03:28:34 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration



Quantitation Report (Qedit)

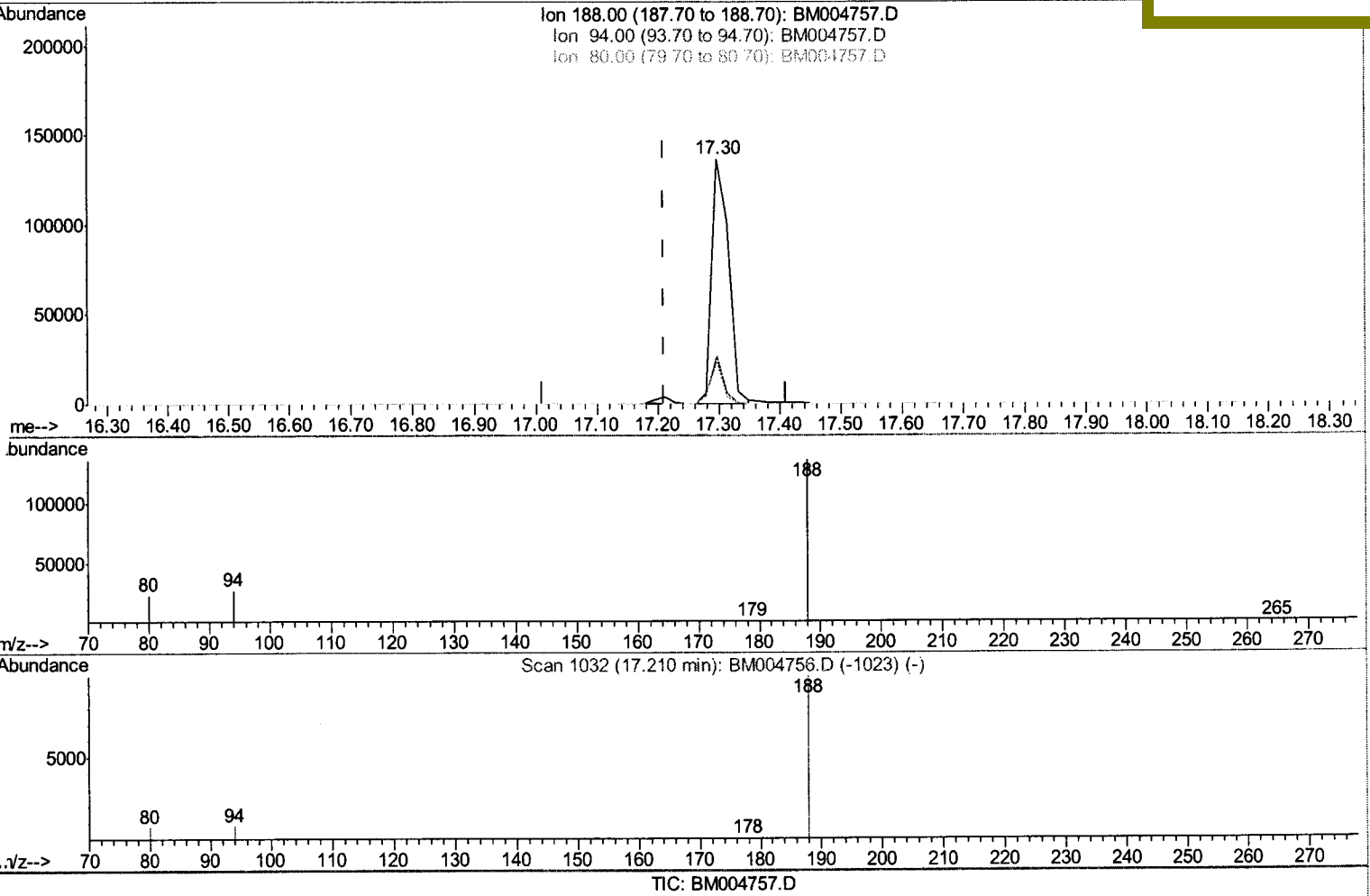
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Quant Time: Mar 25 03:21:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
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(12) Phenanthrene-d10 (I)

17.296min (+0.086) 5.00ng/ul

response 259826

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	19.40#
80.00	11.90	16.74#
0.00	0.00	0.00

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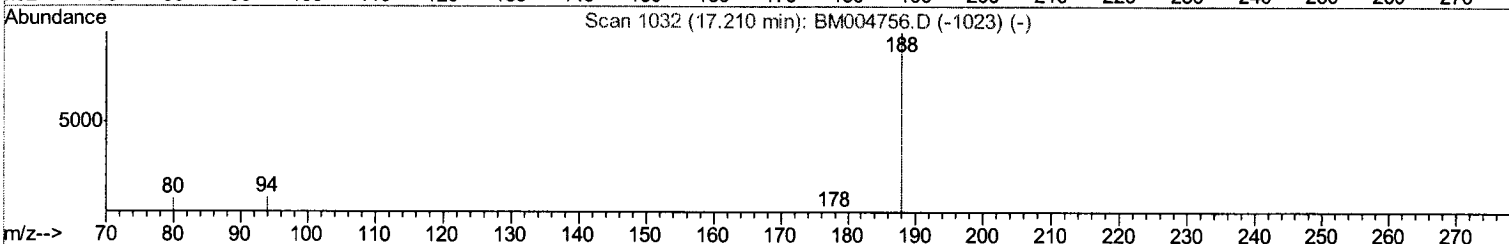
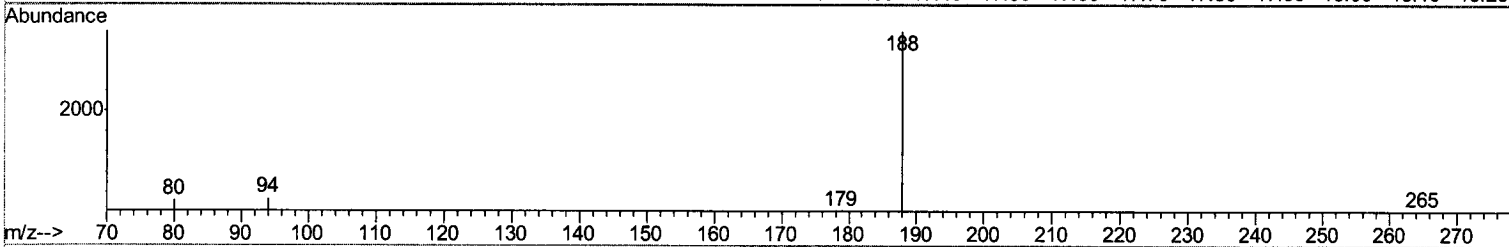
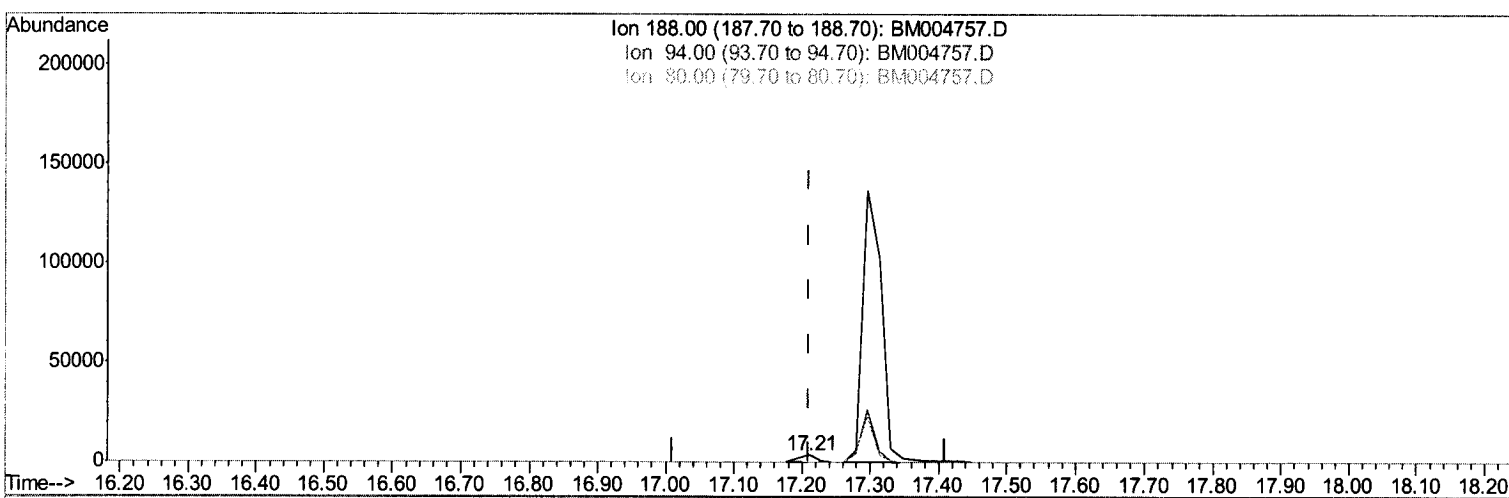
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(12) Phenanthrene-d10 (I)

17.211min (+0.000) 5.00ng/ul m

response 5978

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	8.08#
80.00	11.90	7.25#
0.00	0.00	0.00

U.M
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Quantitation Report (Qedit)

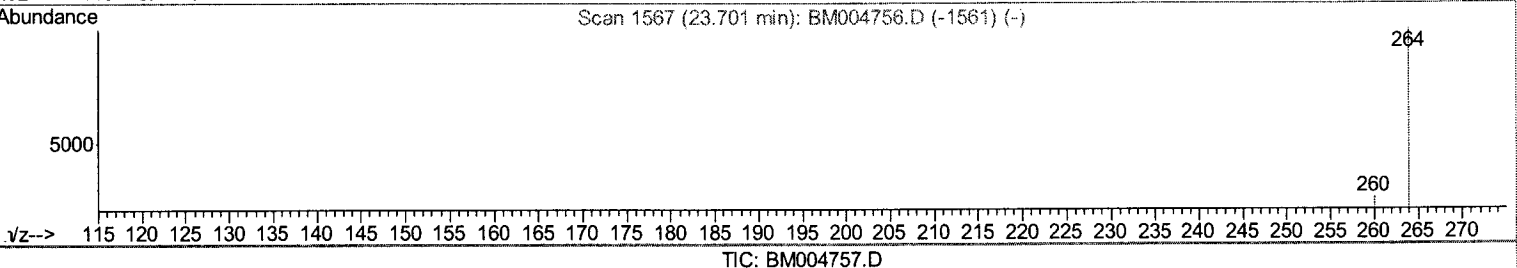
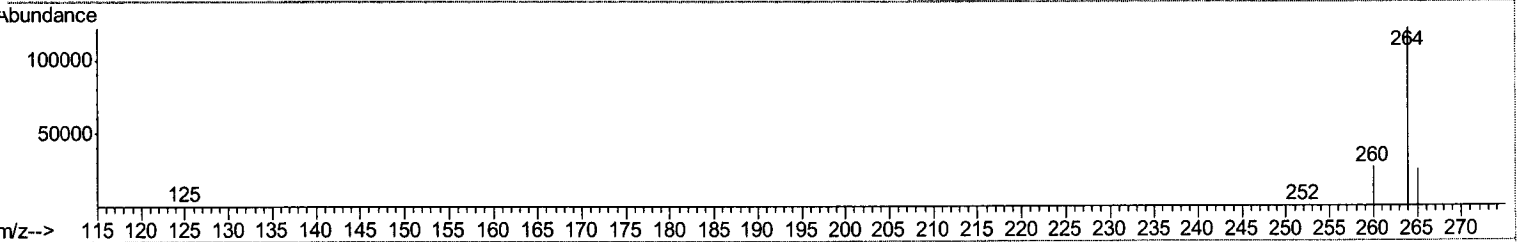
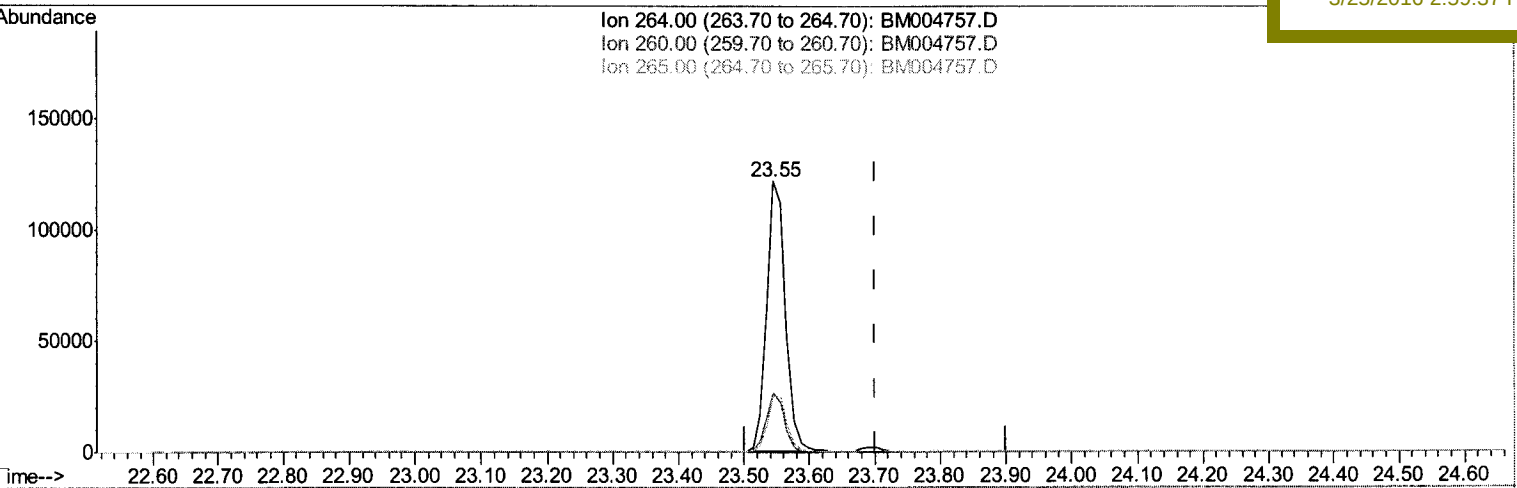
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(22) Perylene-d12 (I)

23.545min (-0.156) 5.00ng/ul

response 240962

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.92
265.00	38.20	20.67#
0.00	0.00	0.00

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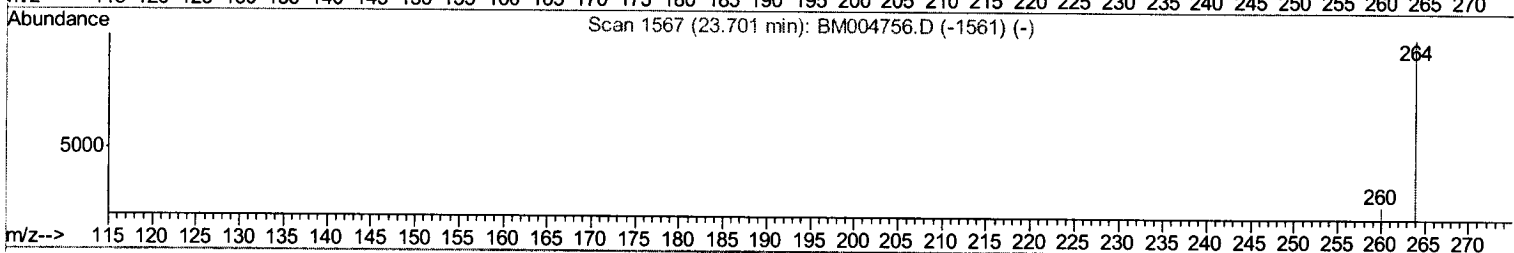
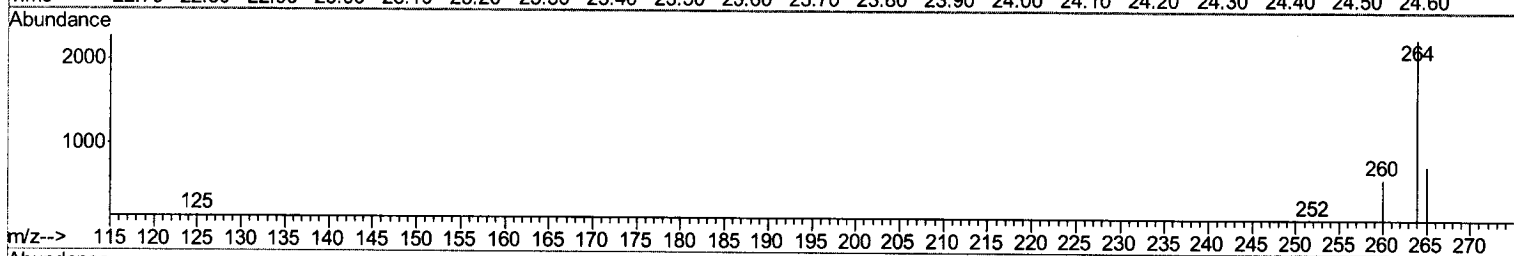
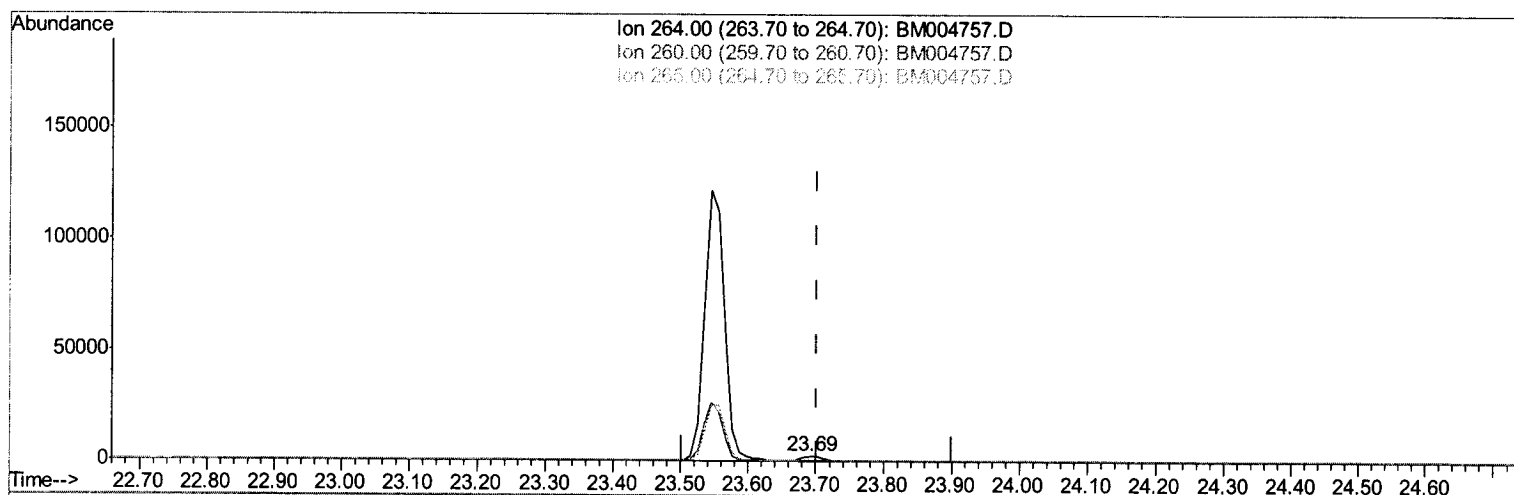
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(22) Perylene-d12 (I)

23.691min (-0.010) 5.00ng/ul m

response 3574

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	27.61
265.00	38.20	34.24
0.00	0.00	0.00

> U.M
 04/05/16

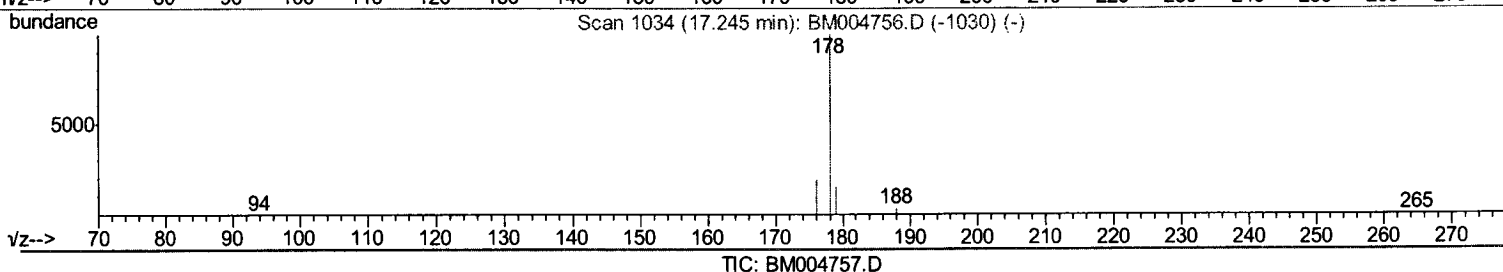
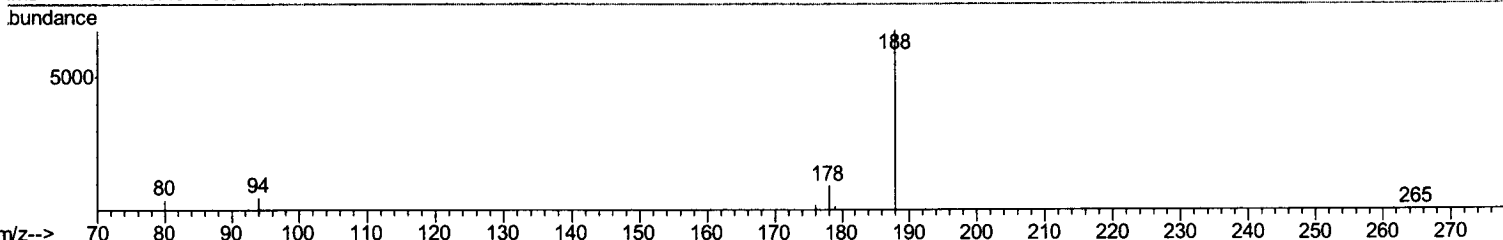
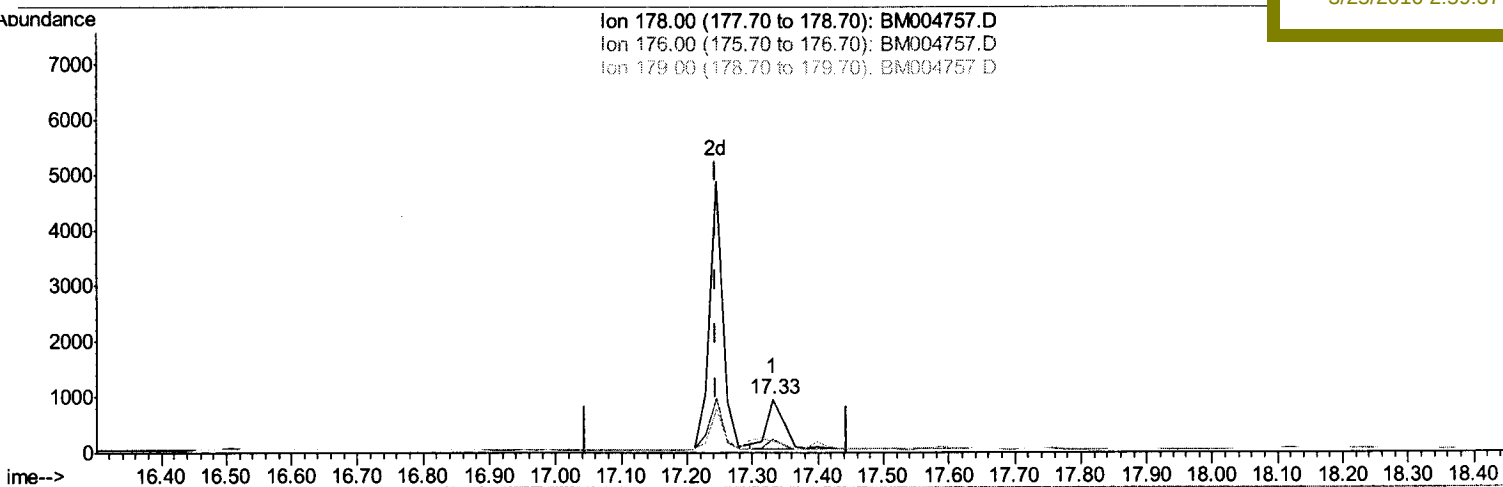
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(14) Phenanthrene

17.331min (+0.086) 0.10ng/ul

response 1726

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	24.51#
179.00	17.70	21.39#
0.00	0.00	0.00

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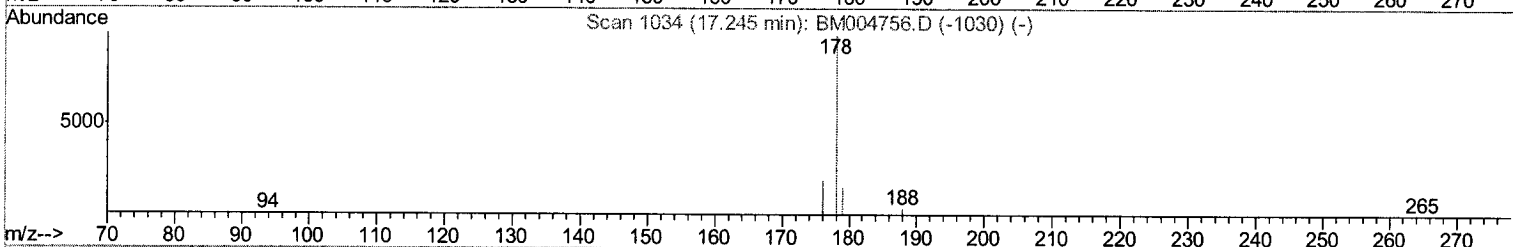
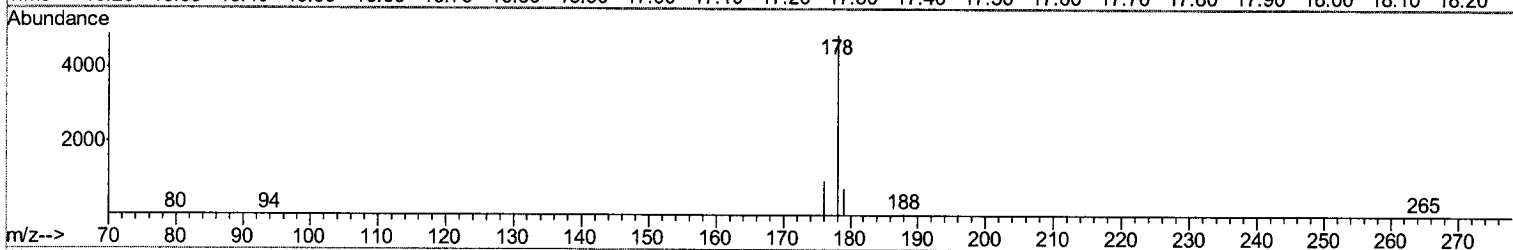
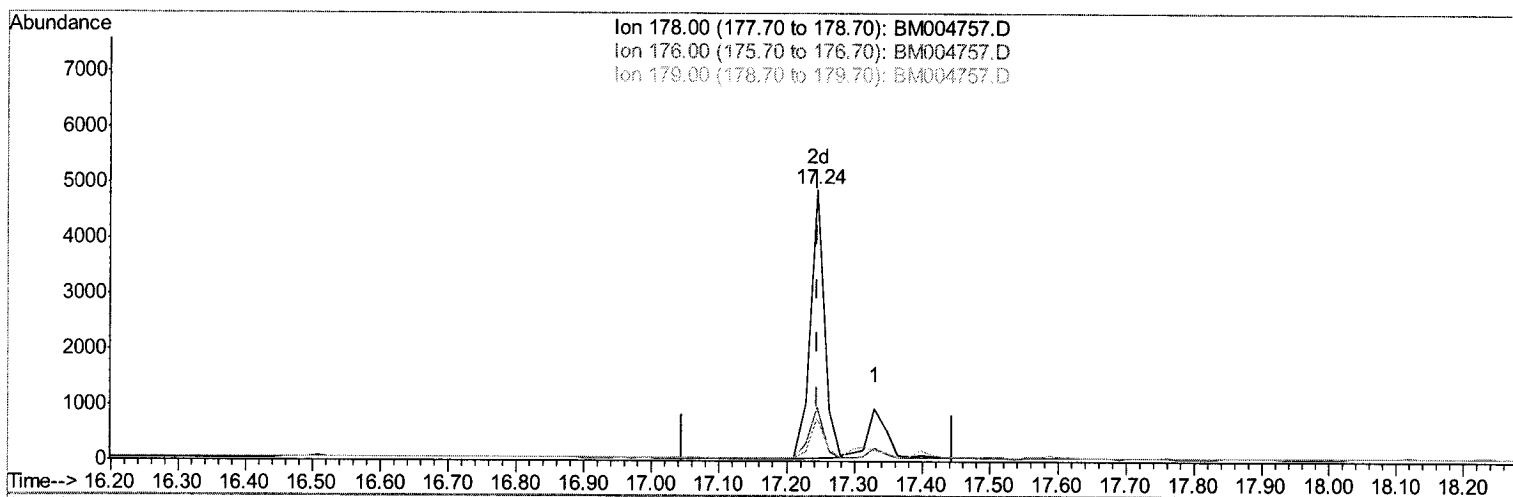
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TIC: BM004757.D

(14) Phenanthrene

17.245min (+0.000) 0.42ng/ul m

response 6948

Ion Exp% Act%

178.00 100 100

176.00 16.20 19.82#

179.00 17.70 16.09

0.00 0.00 0.00

U.M
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Quantitation Report (Qedit)

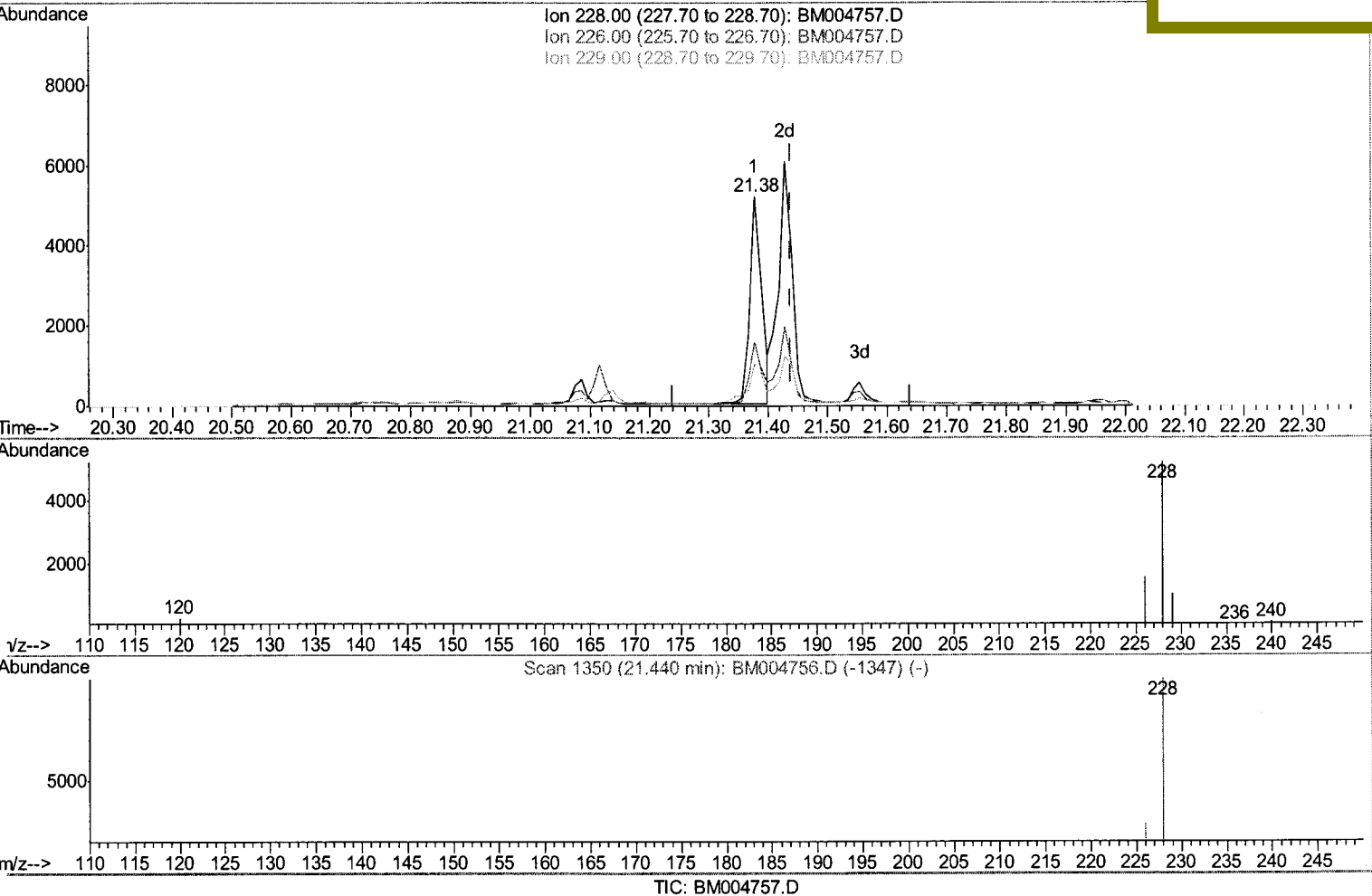
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 BNA M
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(21) Chrysene

21.377min (-0.062) 0.43ng/ul

response 7294

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	30.26
229.00	21.30	20.18
0.00	0.00	0.00

Quantitation Report (Qedit)

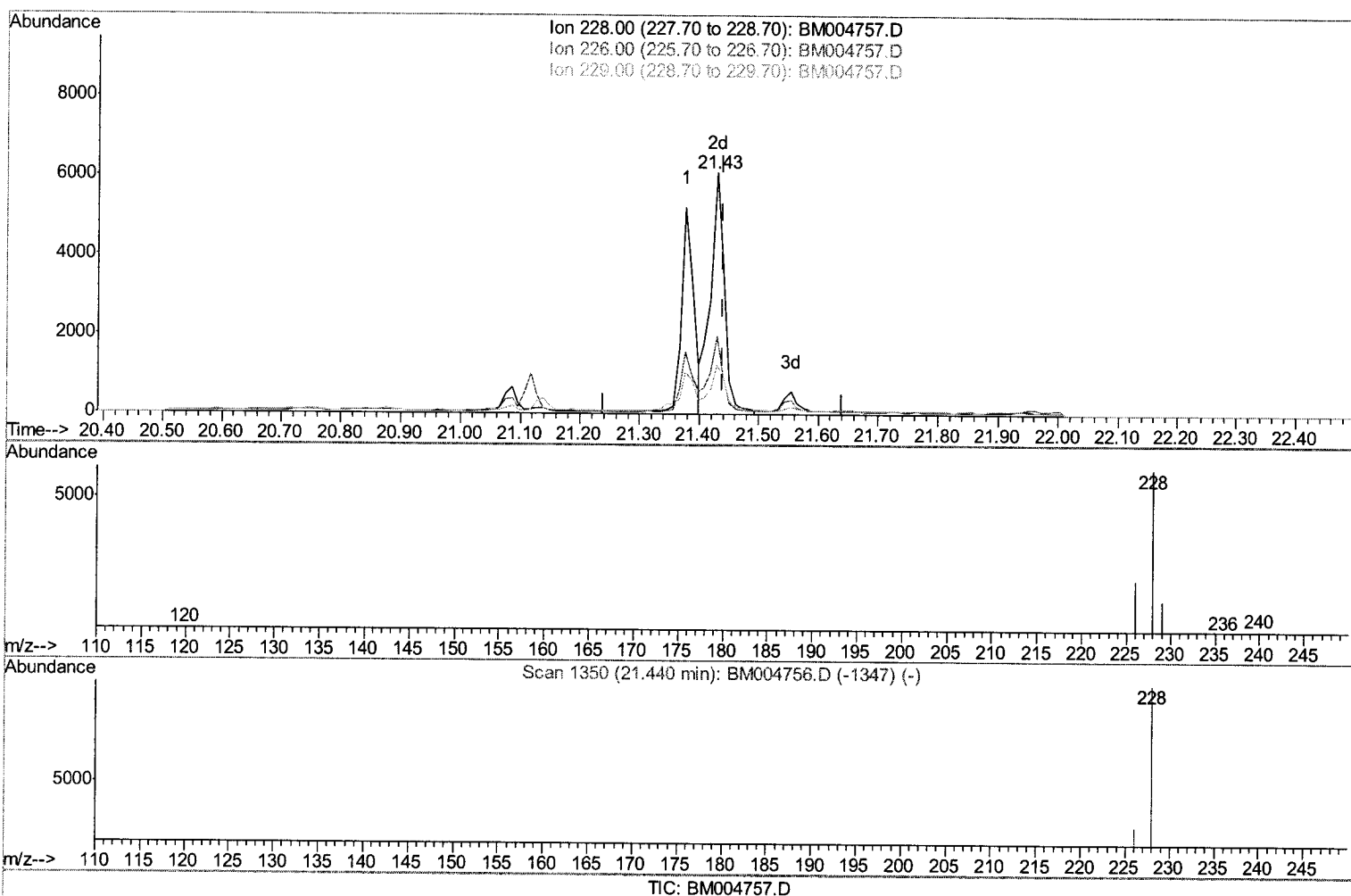
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(21) Chrysene

21.429min (-0.010) 0.60ng/ul m

response 10110

Ion Exp% Act%

228.00 100 100

226.00 26.50 32.49#

229.00 21.30 20.41

0.00 0.00 0.00

U.M
 04/05/16

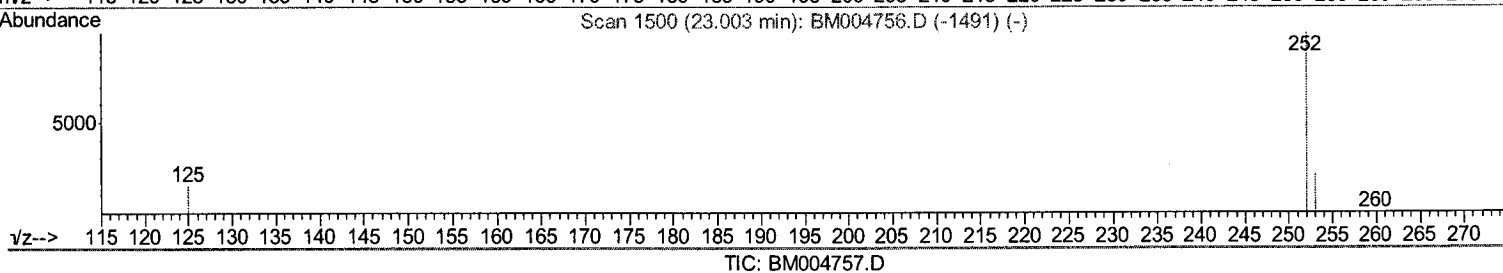
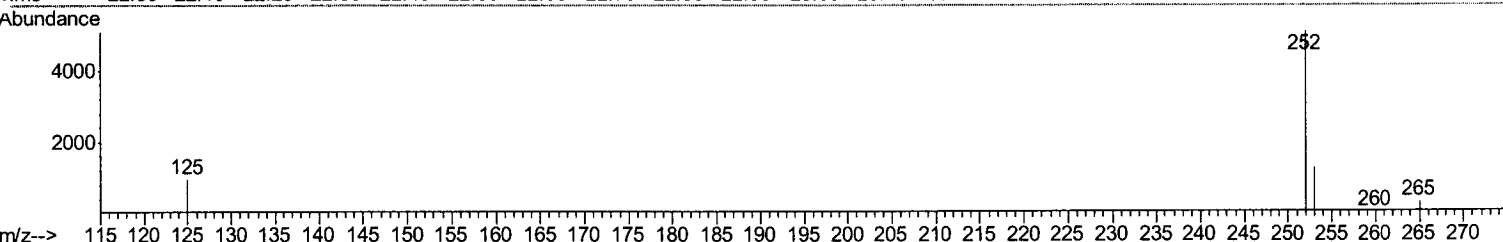
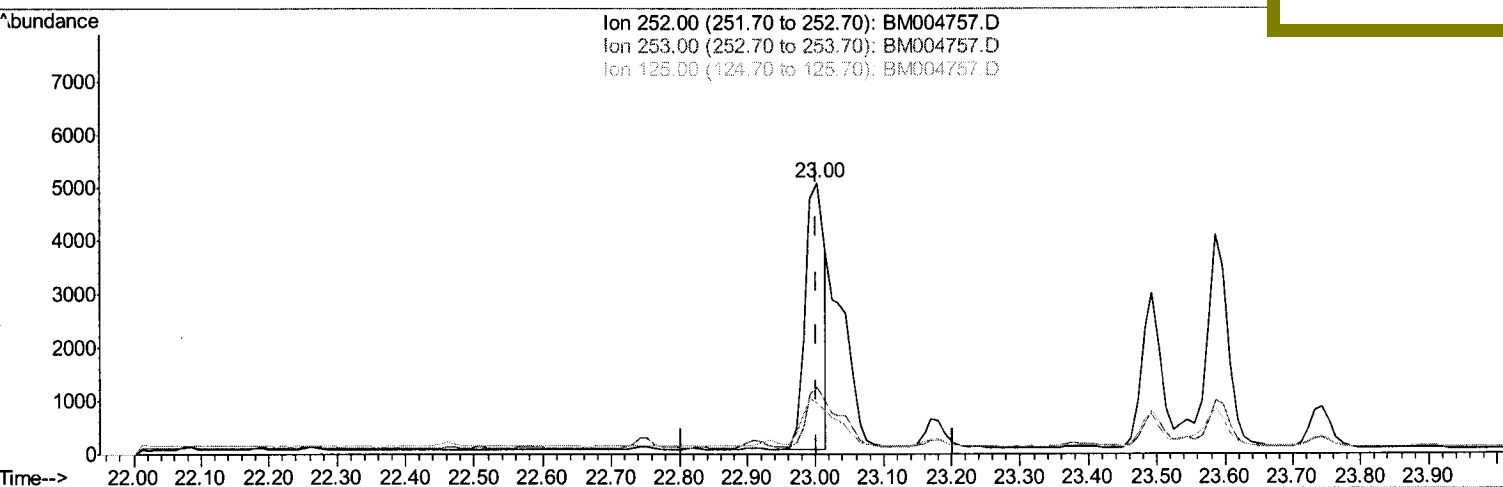
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3/25/2016 2:59:37 PM



(23) Benzo(b)fluoranthene

23.003min (+0.000) 0.78ng/ul

response 9984

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.76
125.00	14.40	18.80
0.00	0.00	0.00

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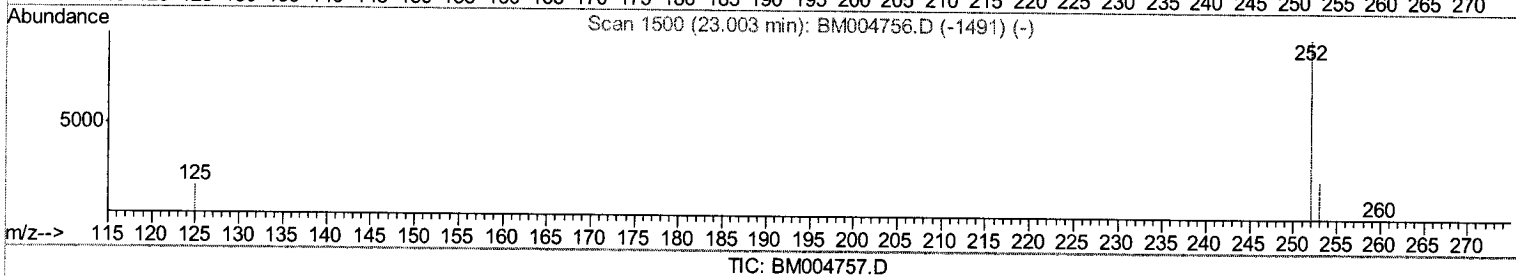
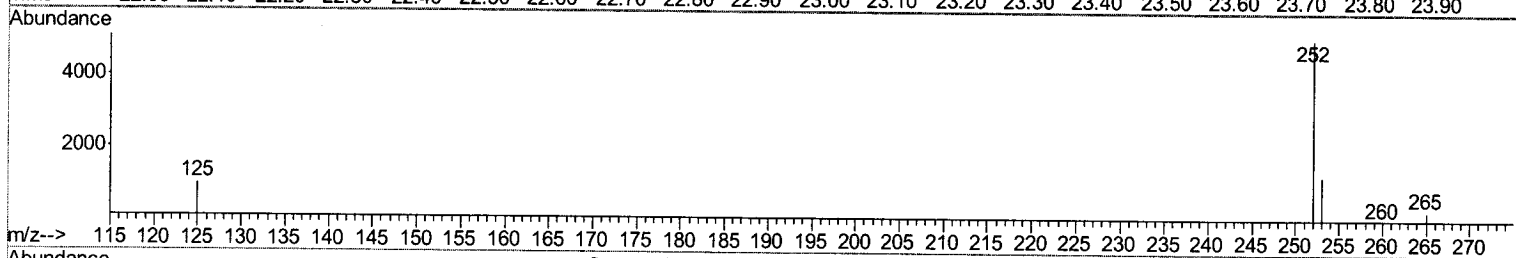
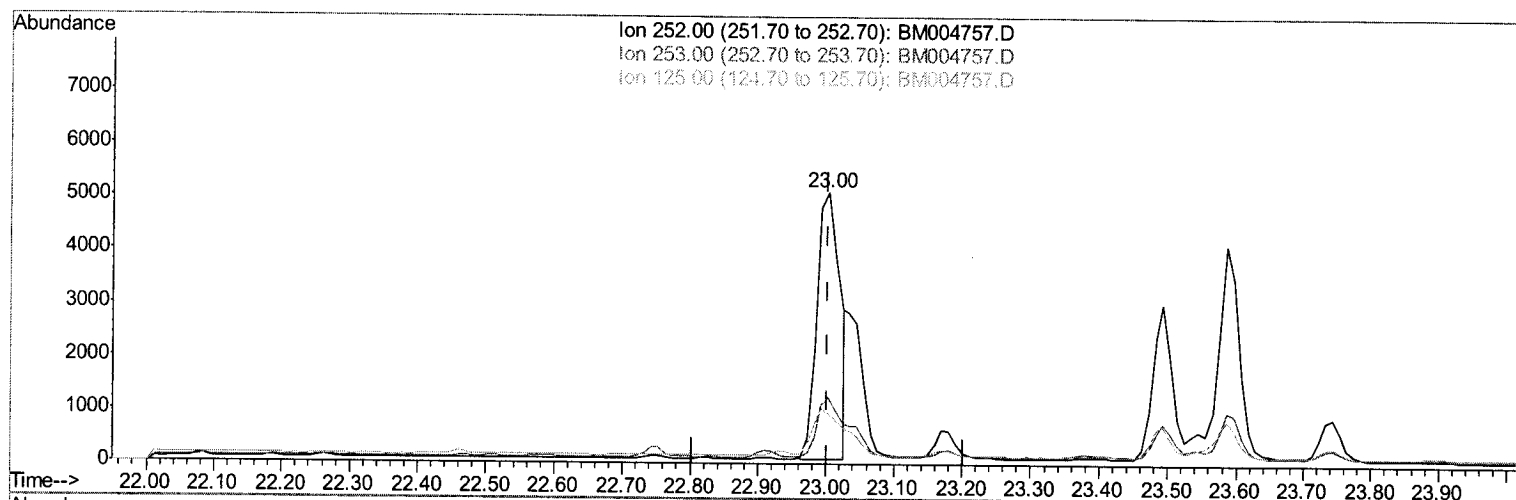
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Manual Integrations
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(23) Benzo(b)fluoranthene

23.003min (+0.000) 0.92ng/ul m

response 11714

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.76
125.00	14.40	18.80
0.00	0.00	0.00

U.M
 04/05/16

Quantitation Report (Qedit)

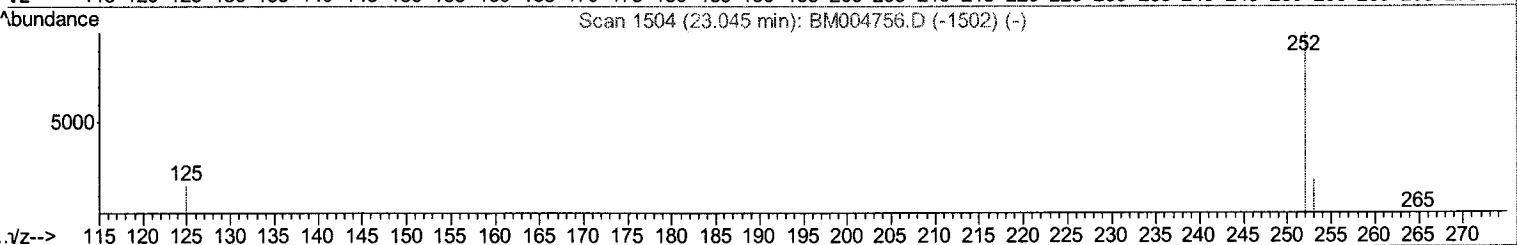
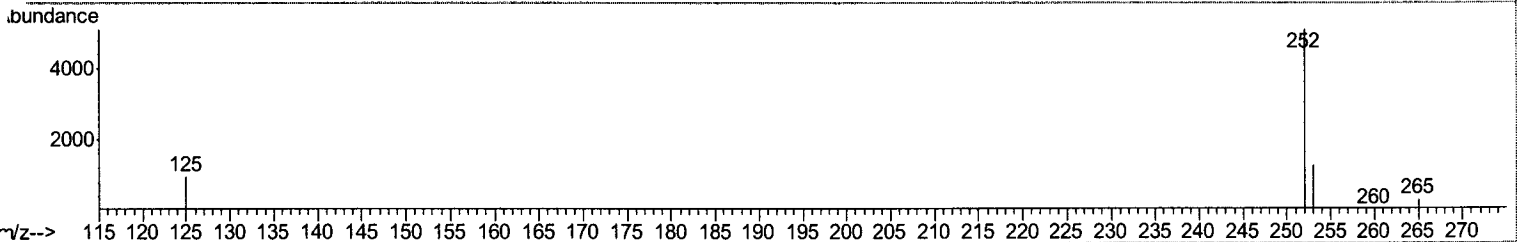
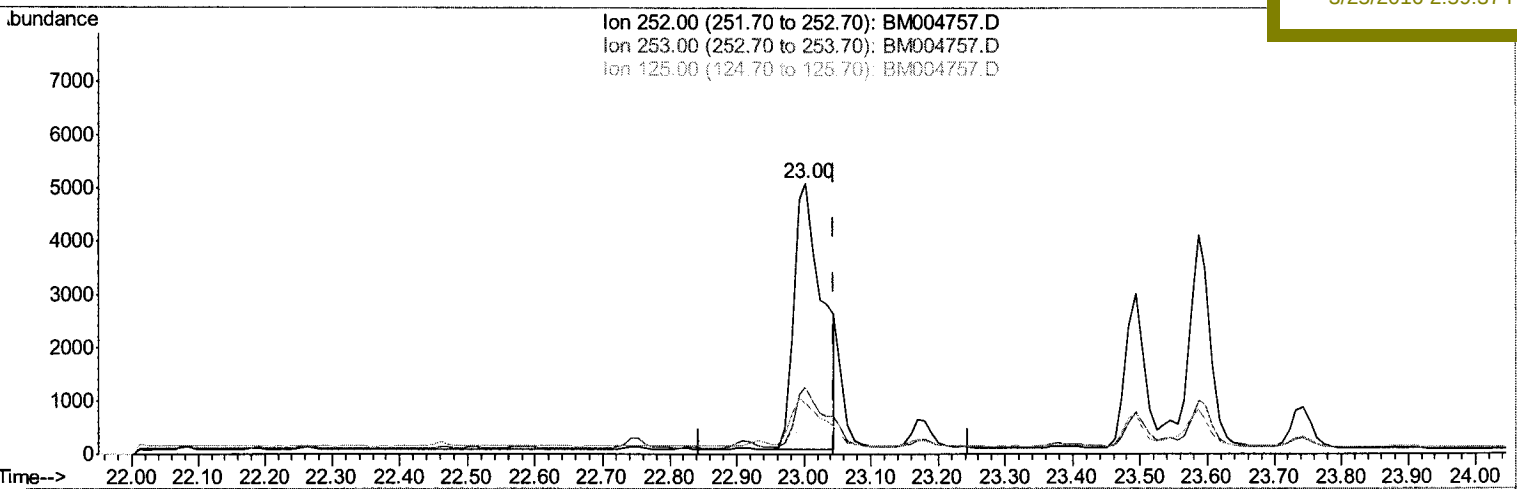
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(24) Benzo(k)fluoranthene

23.003min (-0.042) 1.16ng/ul

response 15038

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	24.76
125.00	13.00	18.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

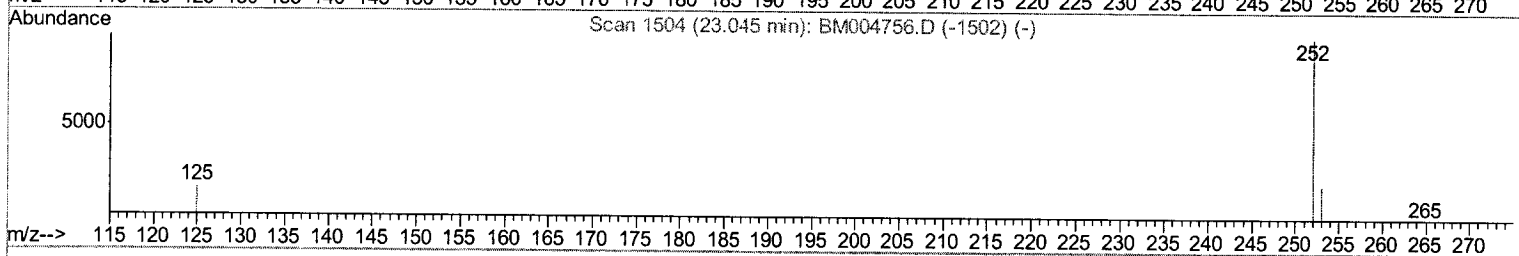
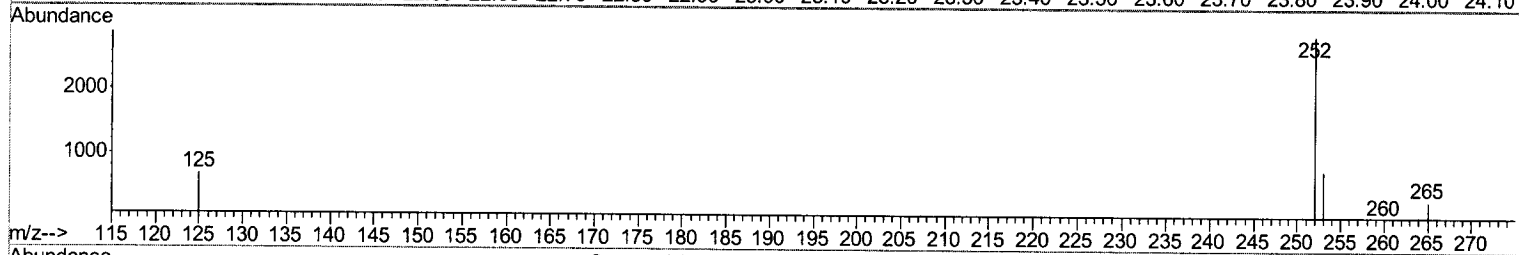
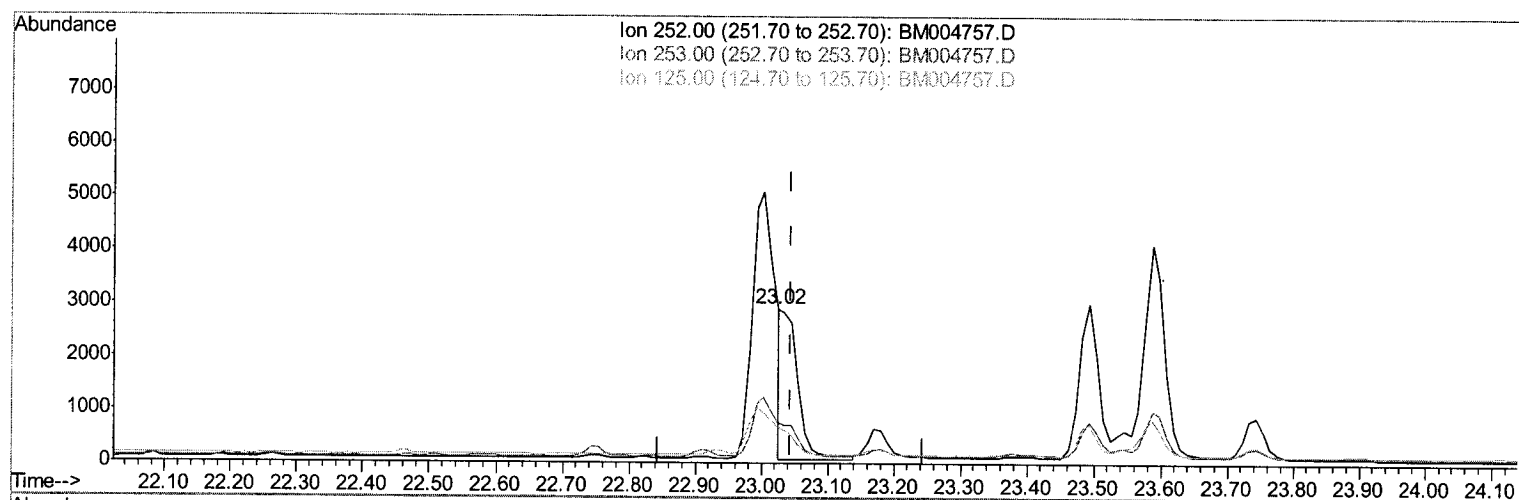
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(24) Benzo(k)fluoranthene

23.024min (-0.021) 0.39ng/ul m

response 5007

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	26.55
125.00	13.00	23.35#
0.00	0.00	0.00

U.M
 04/05/16

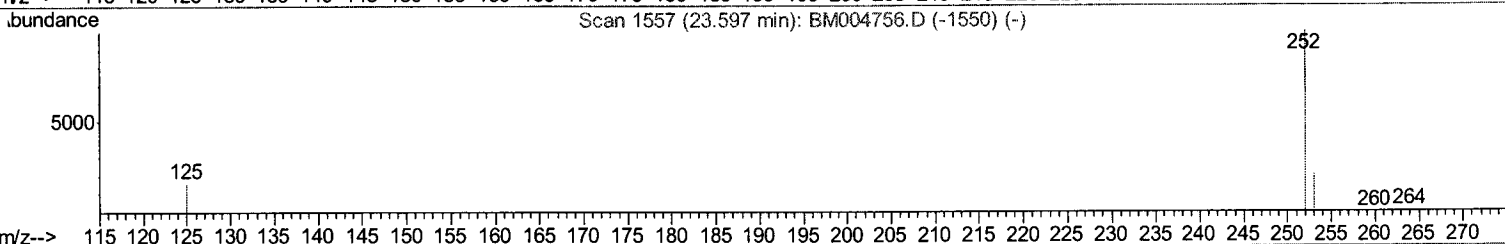
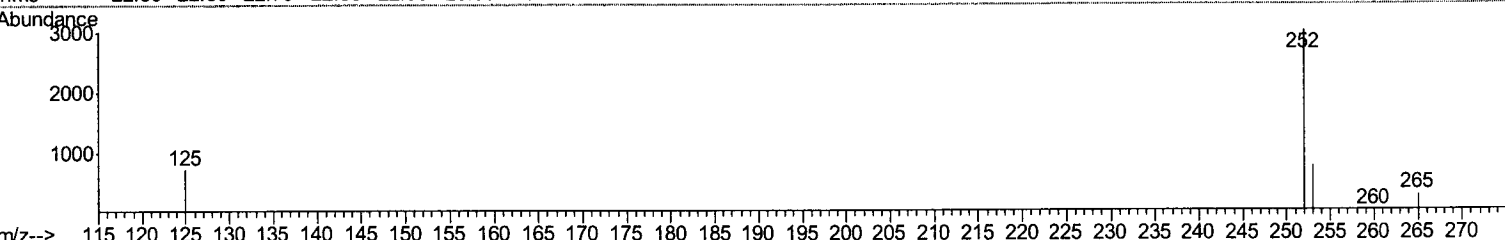
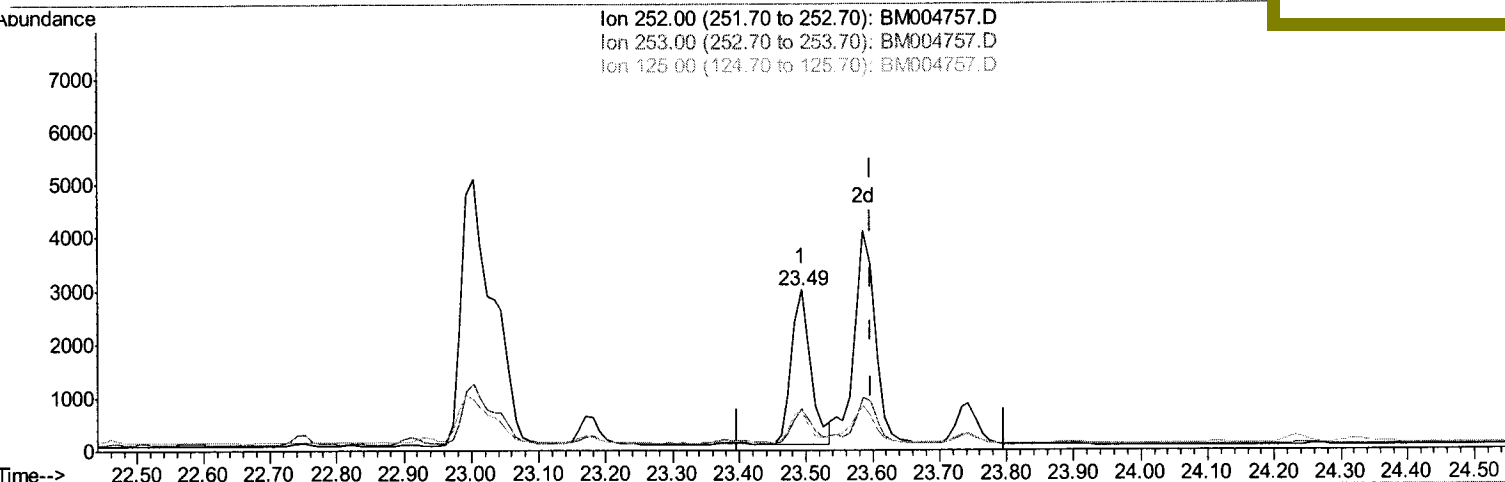
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(25) Benzo(a)pyrene (C)

23.493min (-0.104) 0.56ng/ul

response 6033

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	25.95
125.00	15.90	24.52#
0.00	0.00	0.00

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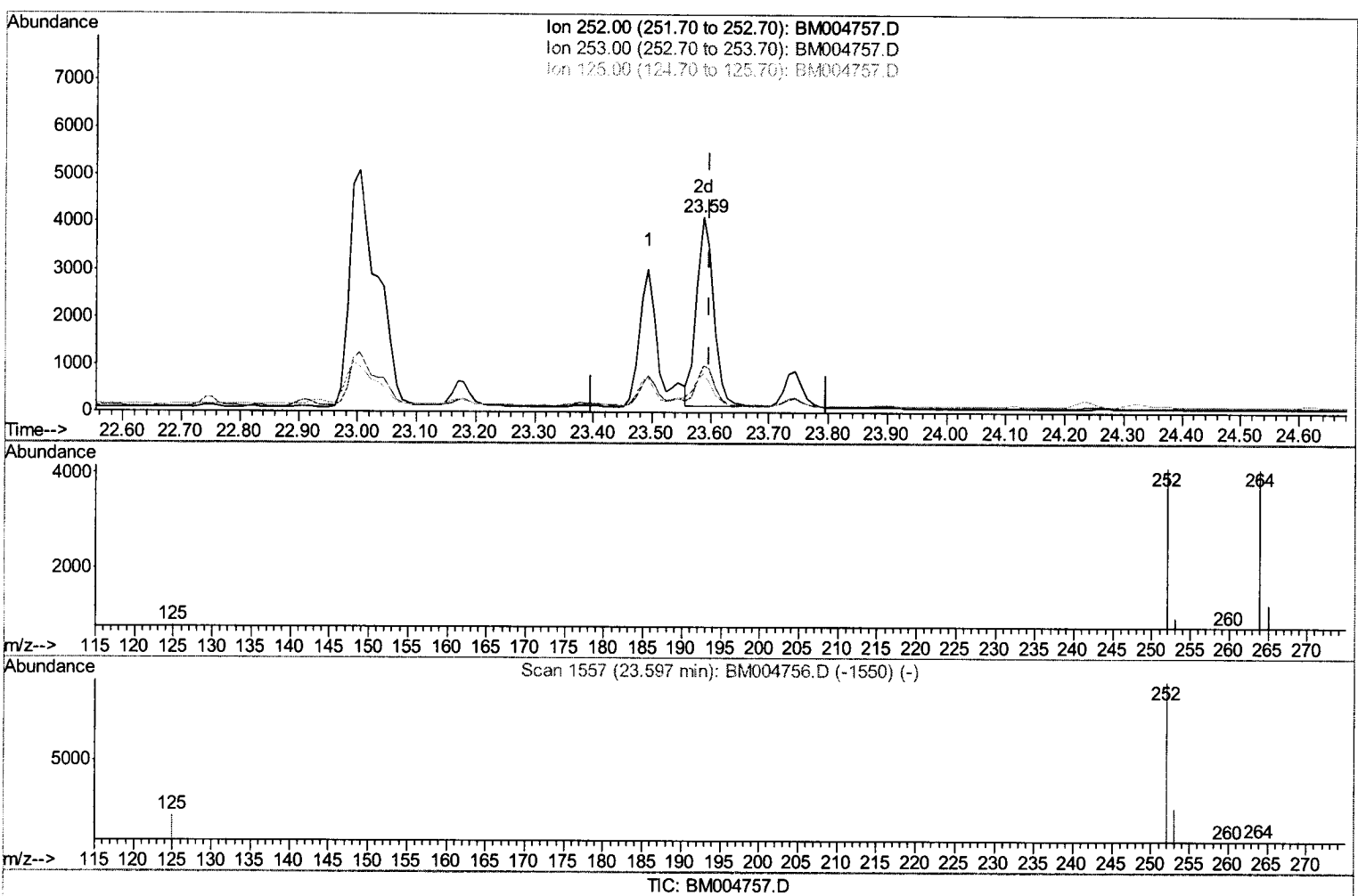
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(25) Benzo(a)pyrene (C)

23.587min (-0.010) 0.76ng/ul m

response 8155

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	24.29
125.00	15.90	19.96#
0.00	0.00	0.00

U.M
 04/05/16

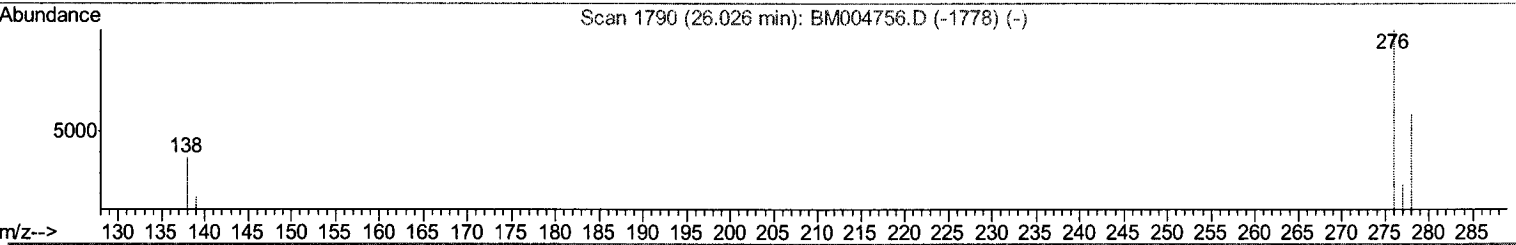
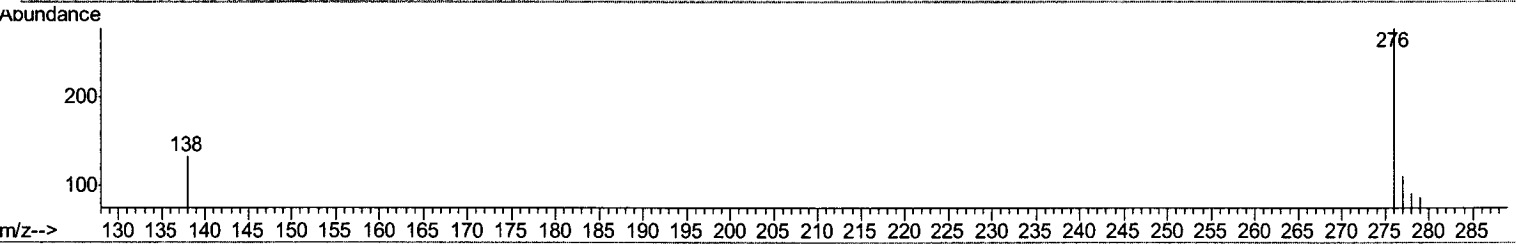
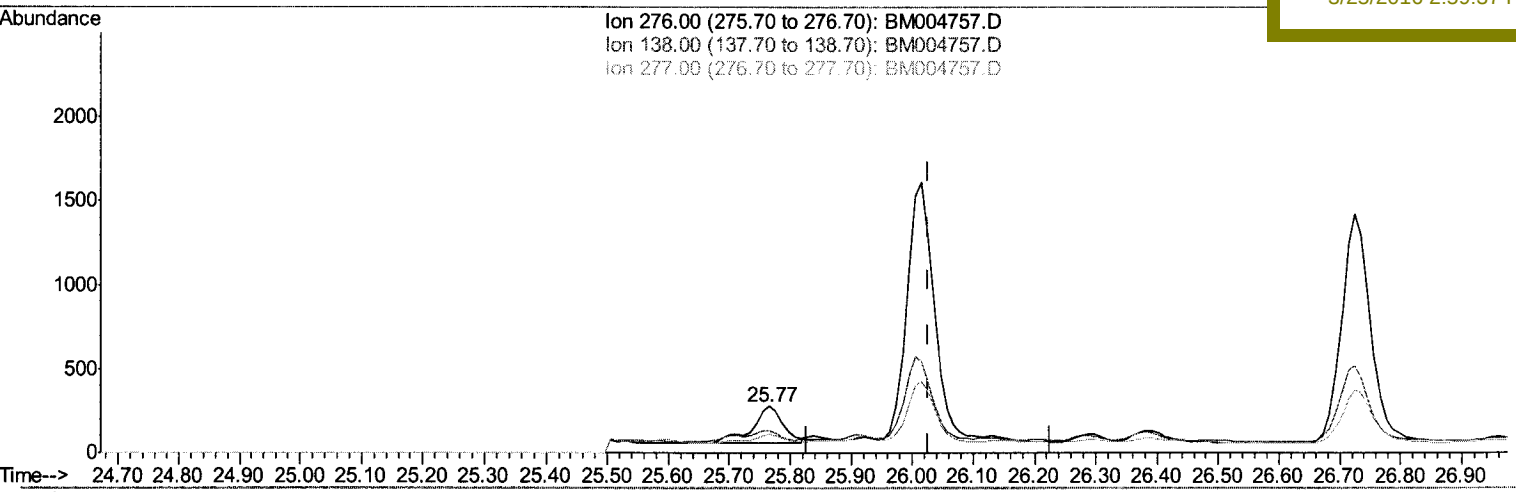
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Operator : UM/SJ
Sample : H1909-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T37

Manual Integrations
APPROVED

Sohil
3/25/2016 2:59:37 PM

Quant Time: Mar 25 03:25:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 03:18:48 2016
Response via : Initial Calibration



TIC: BM004757.D

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

25.766min (-0.260) 0.06ng/ul

response 749

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	20.56
277.00	24.80	24.83
0.00	0.00	0.00

Quantitation Report (Qedit)

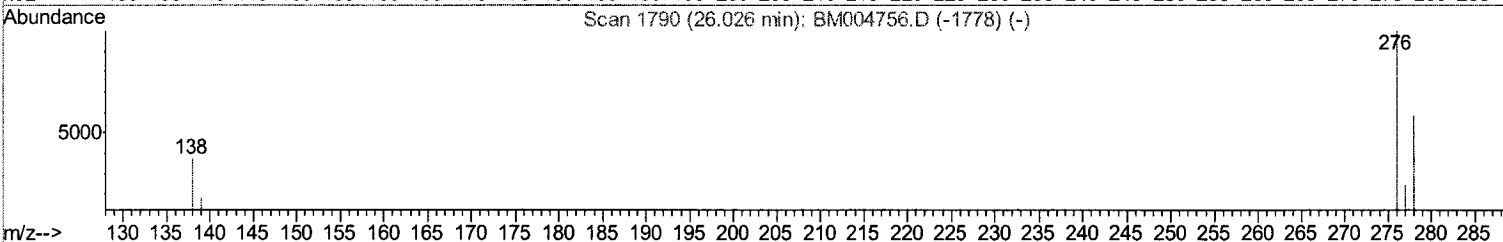
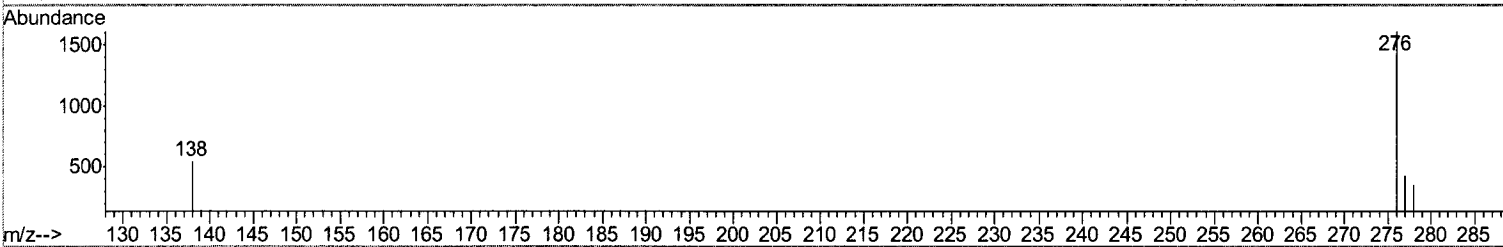
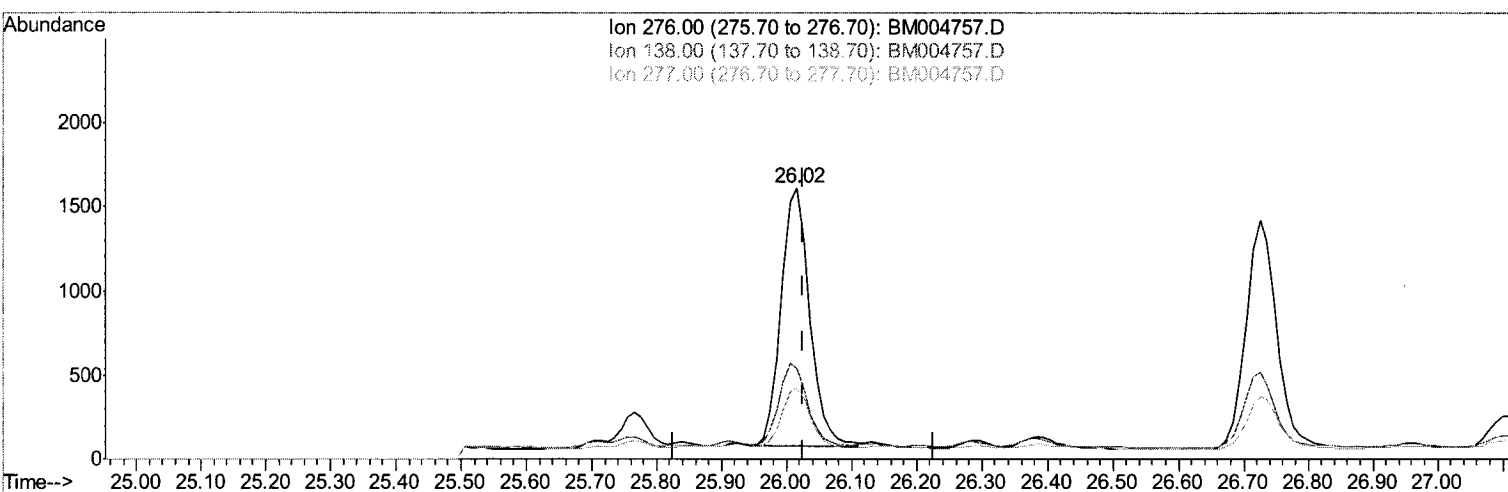
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004757.D
 Acq On : 24 Mar 2016 19:36
 Operator : UM/SJ
 Sample : H1909-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T37

Manual Integrations
 APPROVED

Sohil
 3/25/2016 2:59:37 PM

Quant Time: Mar 25 03:25:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration



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

26.016min (-0.010) 0.40ng/ul m

response 4698

Ion Exp% Act%

276.00 100 100

138.00 20.40 3.28#

277.00 24.80 3.96#

0.00 0.00 0.00

> U.M
 04/05/16

Quantitation Report (Qedit)

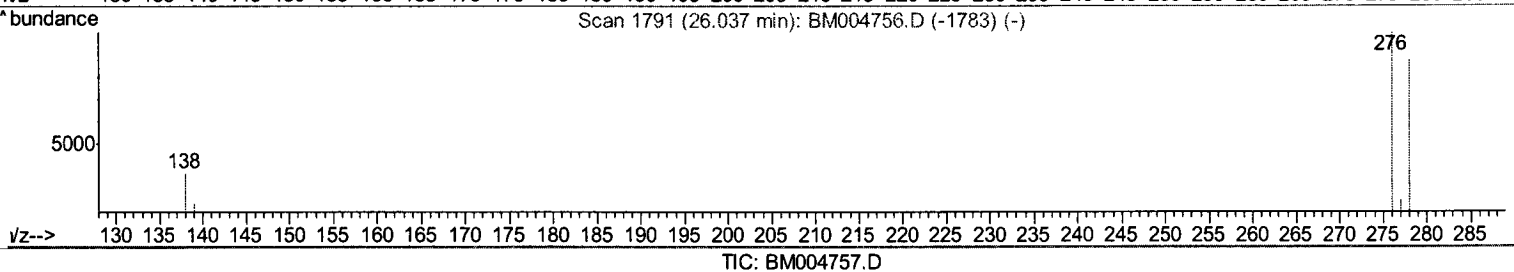
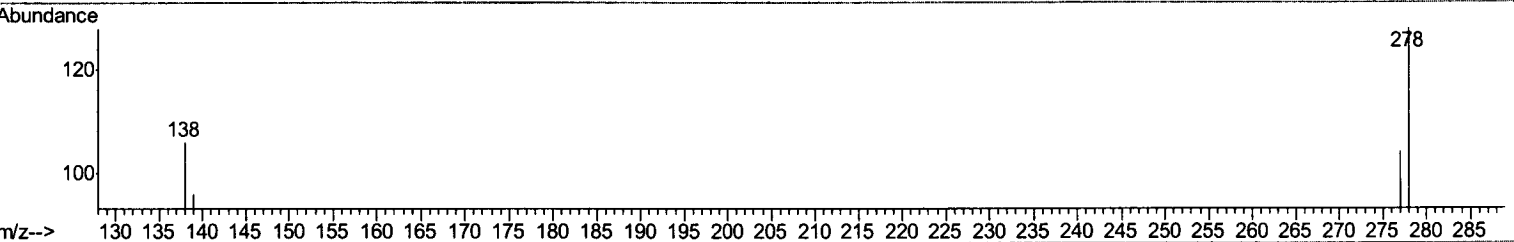
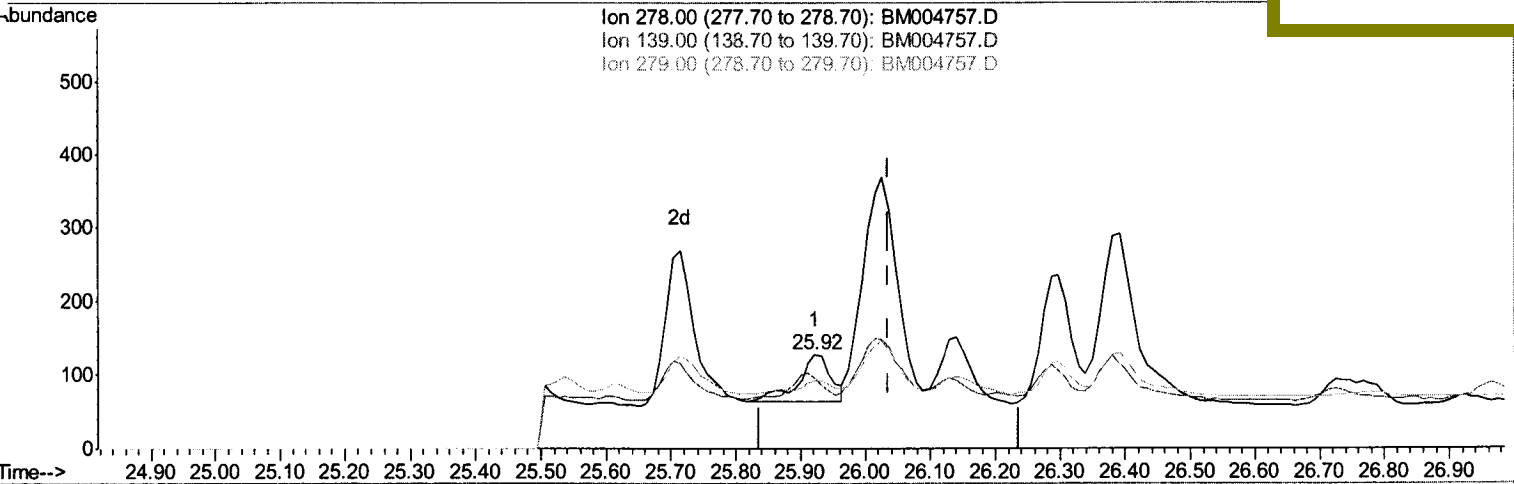
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
Data File : BM004757.D
Acq On : 24 Mar 2016 19:36
Operator : UM/SJ
Sample : H1909-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T37

Manual Integrations
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Sohil
3/25/2016 2:59:37 PM

Quant Time: Mar 25 03:25:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 03:18:48 2016
Response via : Initial Calibration



(27) Dibenzo(a,h)anthracene

25.922min (-0.115) 0.03ng/ul

response 236

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	75.00#
279.00	25.20	72.66#
0.00	0.00	0.00

Quantitation Report (Qedit)

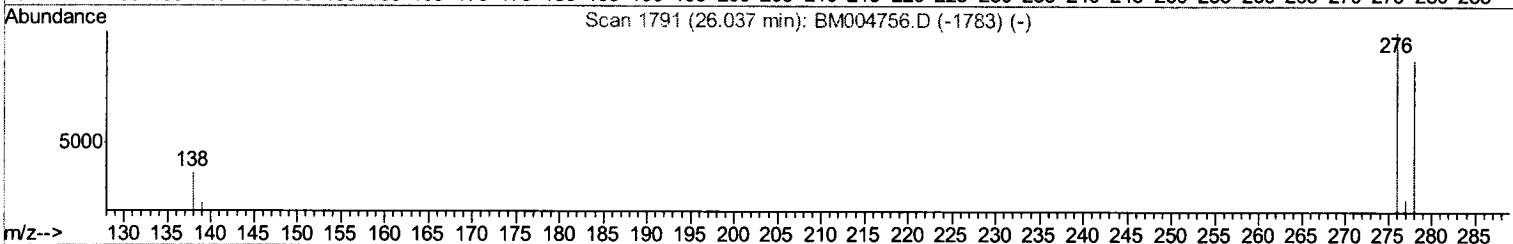
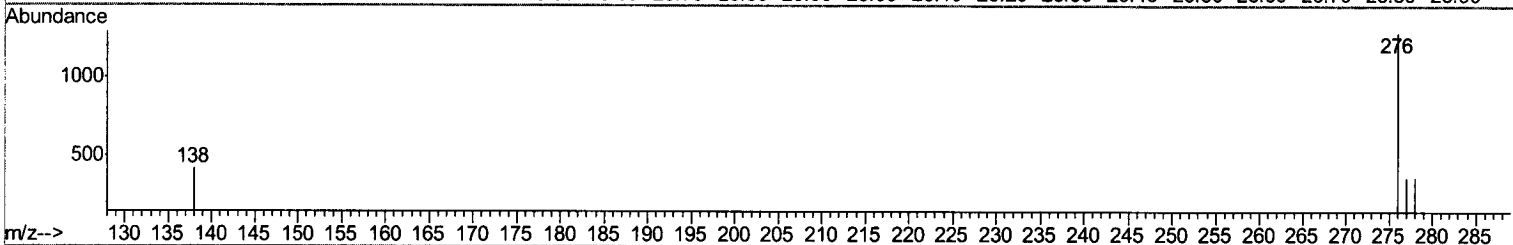
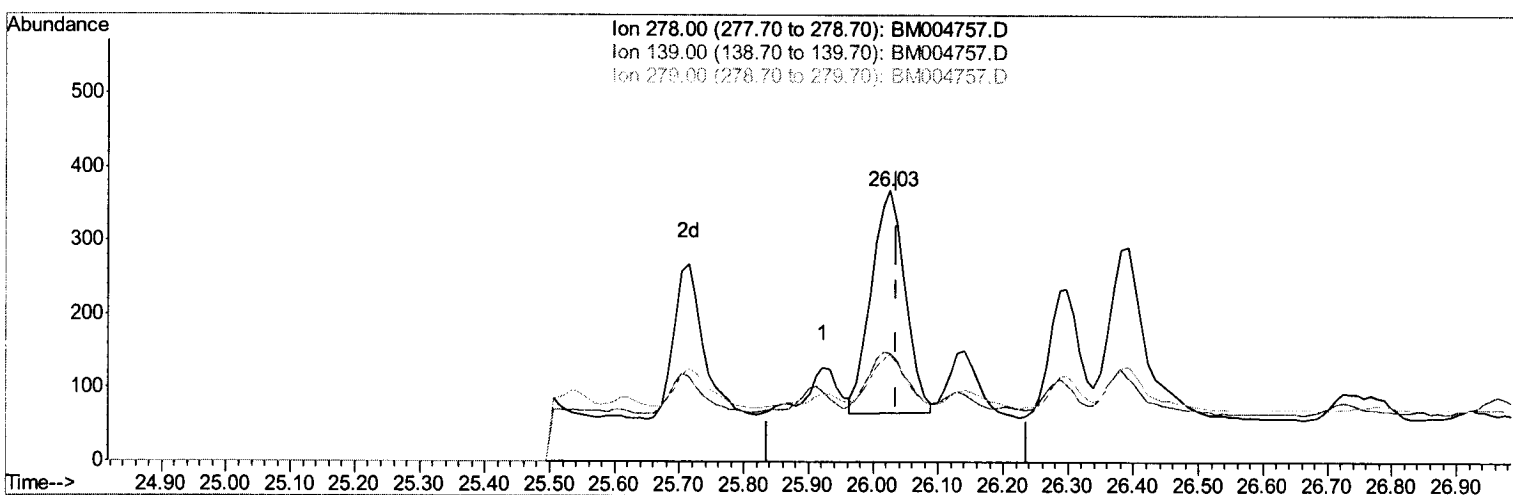
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004757.D
 Acq On : 24 Mar 2016 19:36
 Operator : UM/SJ
 Sample : H1909-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T37

Manual Integrations
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Quant Time: Mar 25 03:25:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration



TIC: BM004757.D

(27) Dibenzo(a,h)anthracene

26.026min (-0.010) 0.12ng/ul m

response 1098

Ion Exp% Act%

278.00 100 100

139.00 20.50 40.11#

279.00 25.20 39.57#

0.00 0.00 0.00

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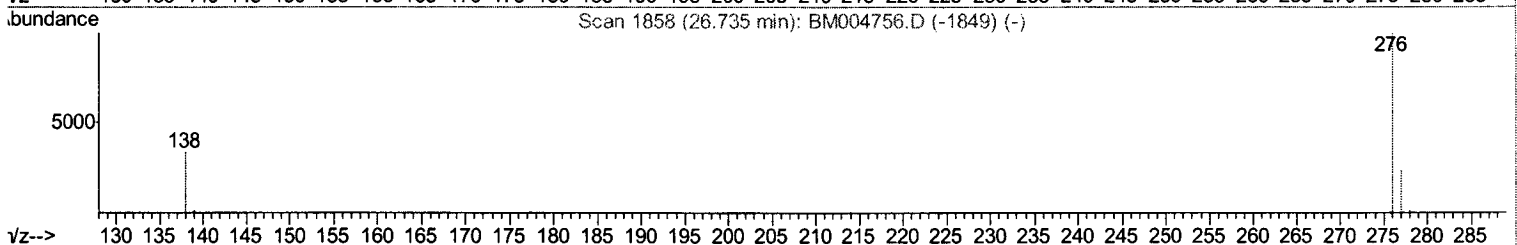
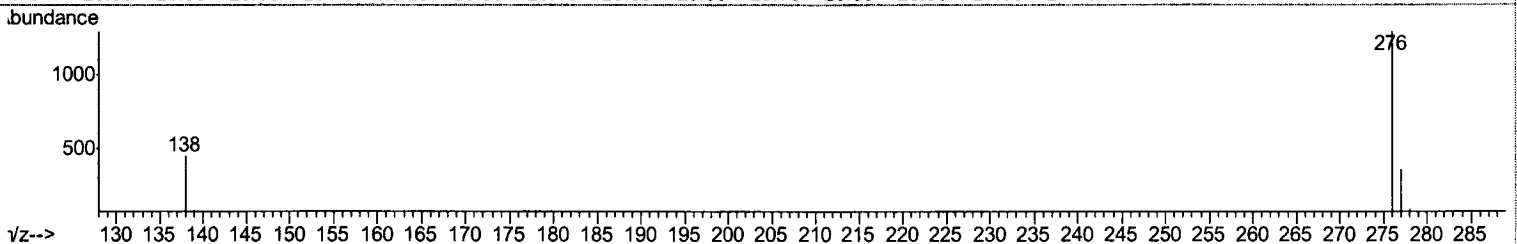
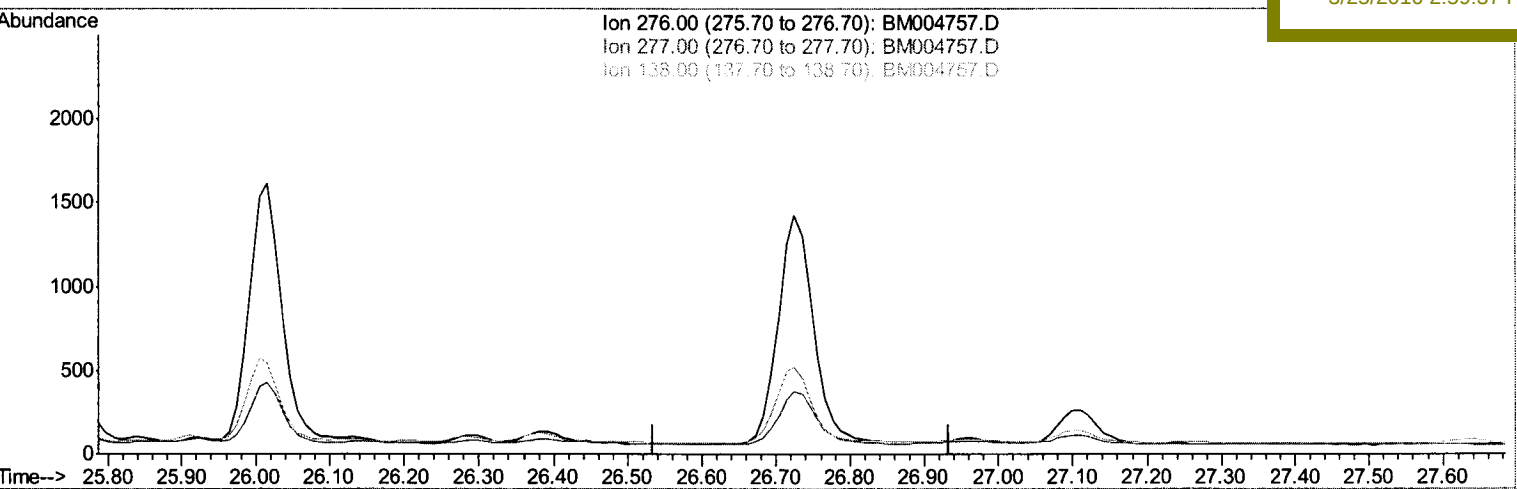
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
Data File : BM004757.D
Acq On : 24 Mar 2016 19:36
Operator : UM/SJ
Sample : H1909-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T37

Manual Integrations
APPROVED

Sohil
3/25/2016 2:59:37 PM

Quant Time: Mar 25 03:27:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 03:18:48 2016
Response via : Initial Calibration



TIC: BM004757.D

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

26.735min (-26.735) 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)

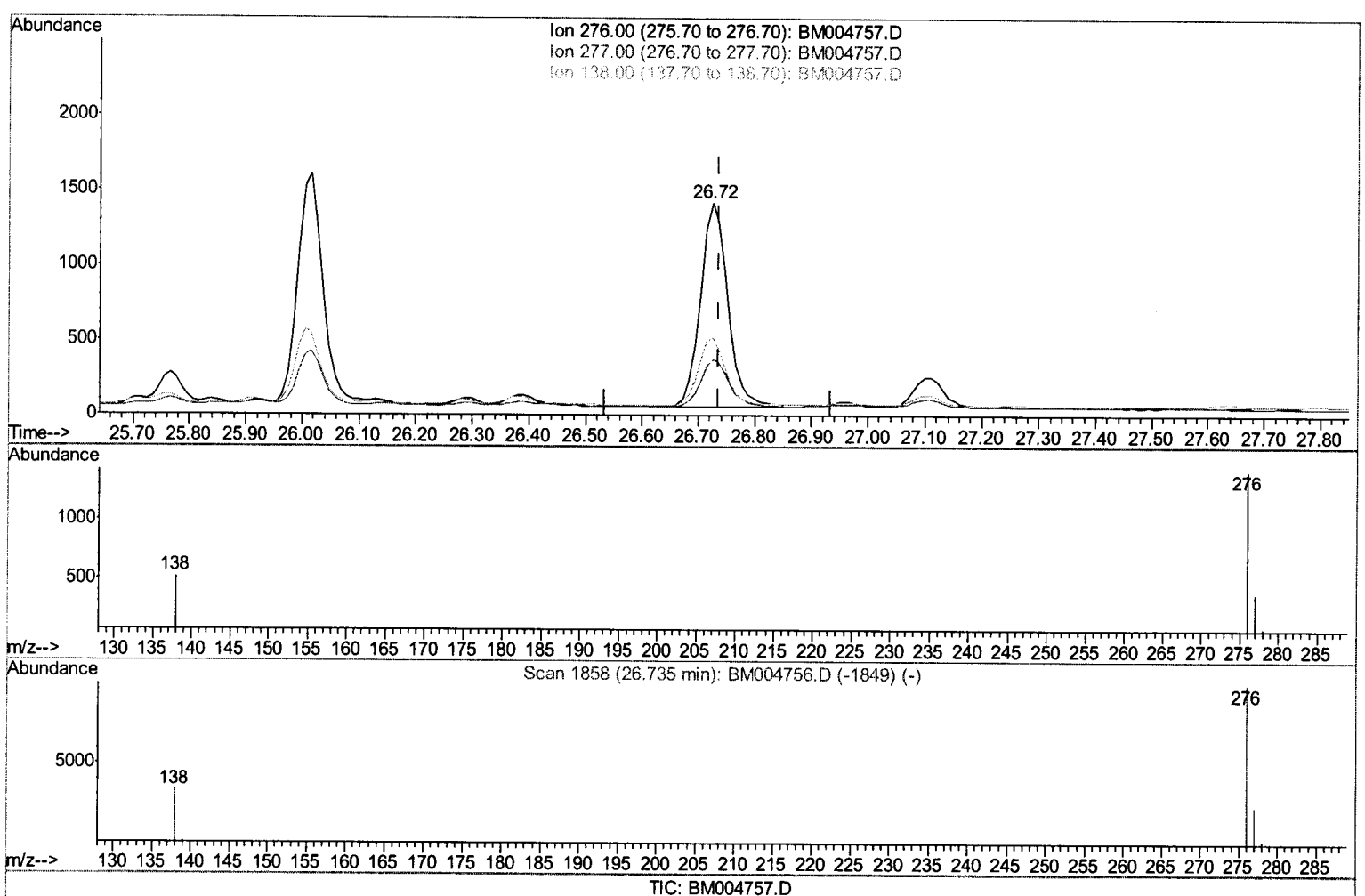
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004757.D
 Acq On : 24 Mar 2016 19:36
 Operator : UM/SJ
 Sample : H1909-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T37

Manual Integrations
 APPROVED

Sohil
 3/25/2016 2:59:37 PM

Quant Time: Mar 25 03:27:41 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration



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

26.725min (-0.010) 0.41ng/ul m

response 4610

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	26.39
138.00	28.10	36.35#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032416\
 Data File : BM004757.D
 Acq On : 24 Mar 2016 19:36
 Operator : UM/SJ
 Sample : H1909-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T37

Manual Integrations
 APPROVED

Sohil
 3/25/2016 2:59:37 PM

Quant Time: Mar 25 03:28:34 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 03:18:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1432	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5776	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2950	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5978m	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	5209	5.00	ng/ul	-0.01
22) Perylene-d12	23.69	264	3574m	5.00	ng/ul	-0.01

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	5414	7.80	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1567	0.24	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	2995	0.25	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	1255	0.09	ng/ul#	84
9) Acenaphthylene	14.18	152	1169	0.11	ng/ul#	89
14) Phenanthrene	17.24	178	6948m	0.42	ng/ul	
15) Anthracene	17.33	178	1812	0.13	ng/ul#	86
17) Fluoranthene	19.27	202	18747	1.11	ng/ul	97
19) Pyrene	19.63	202	18658	1.03	ng/ul	98
20) Benzo(a)anthracene	21.38	228	7312	0.59	ng/ul#	92
21) Chrysene	21.43	228	10110m	0.60	ng/ul	
23) Benzo(b)fluoranthene	23.00	252	11714m	0.92	ng/ul	
24) Benzo(k)fluoranthene	23.02	252	5007m	0.39	ng/ul	
25) Benzo(a)pyrene	23.59	252	8155m	0.76	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.02	276	4698m	0.40	ng/ul	
27) Dibenzo(a,h)anthracene	26.03	278	1098m	0.12	ng/ul	
28) Benzo(g,h,i)perylene	26.72	276	4610m	0.41	ng/ul	

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