

Quantitation Report (Qedit)

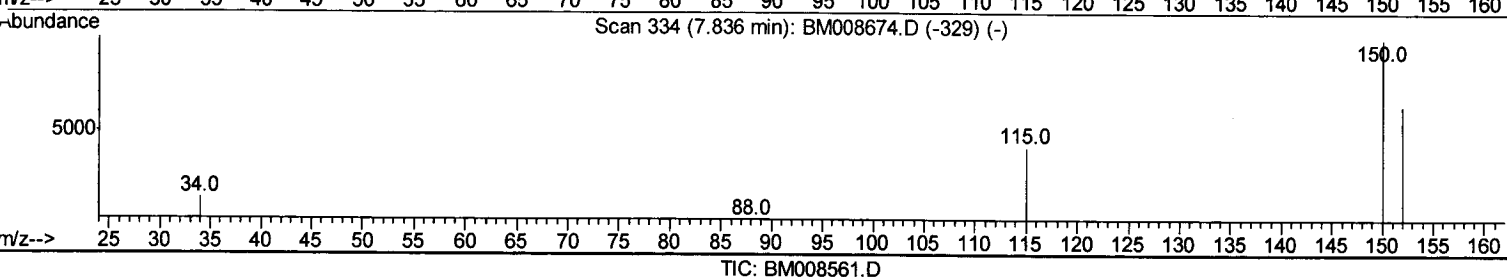
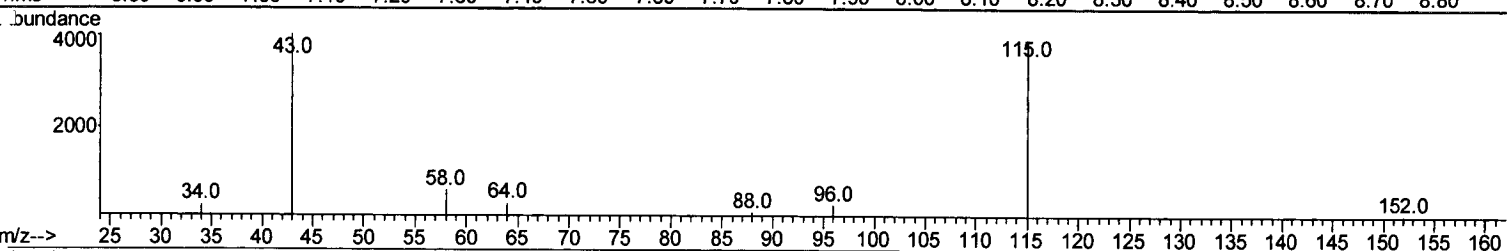
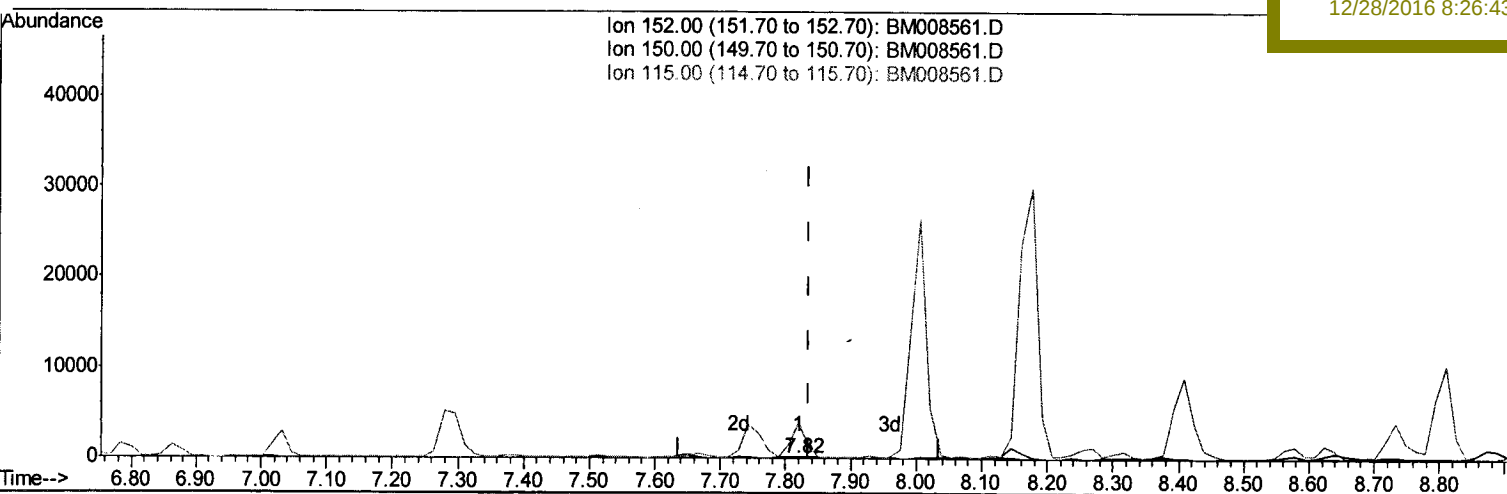
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
Data File : BM008561.D
Acq On : 22 Dec 2016 18:24
Operator : UM/SJ
Sample : H6039-19RE
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 28 06:38:18 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 27 15:49:02 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA8T3RE

Manual Integrations
APPROVED

UMANGI
12/28/2016 8:26:43 AM



(1) 1,4-Dichlorobenzene-d4 (I)

7.821min (-0.015) 0.40ng/ul

response 166

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	60.19#
115.00	64.90	3843.69#
0.00	0.00	0.00

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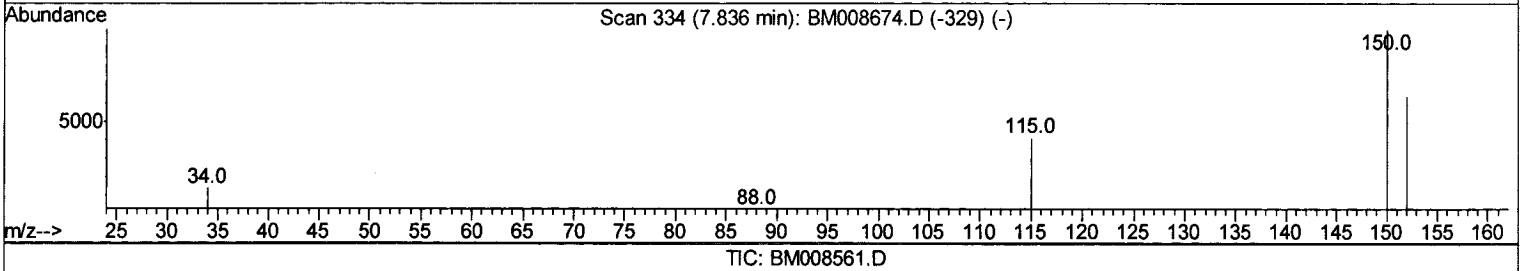
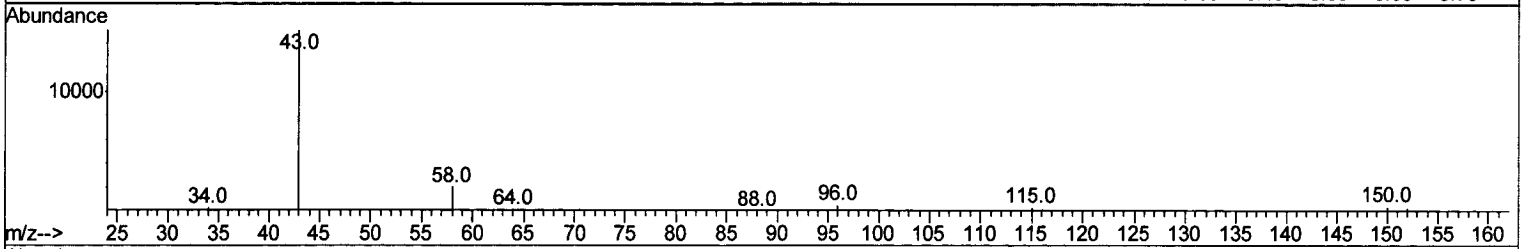
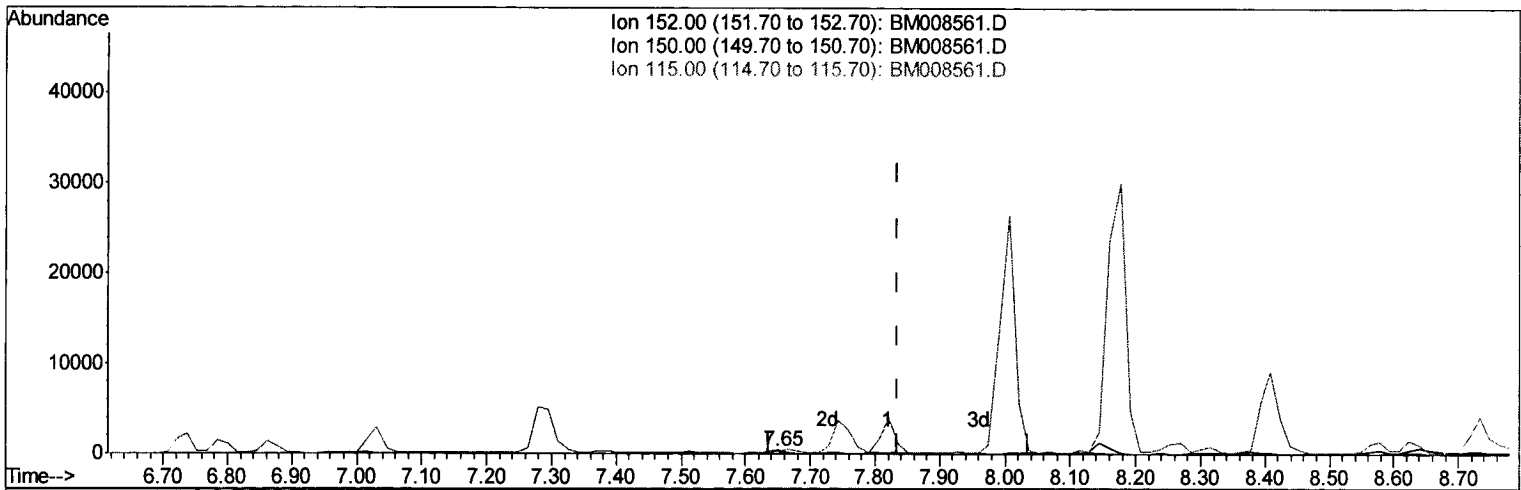
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TIC: BM008561.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.650min (-0.185) 0.40ng/ul m

response 594

S. J
 12/28/16

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	139.38
115.00	64.90	111.30#
0.00	0.00	0.00

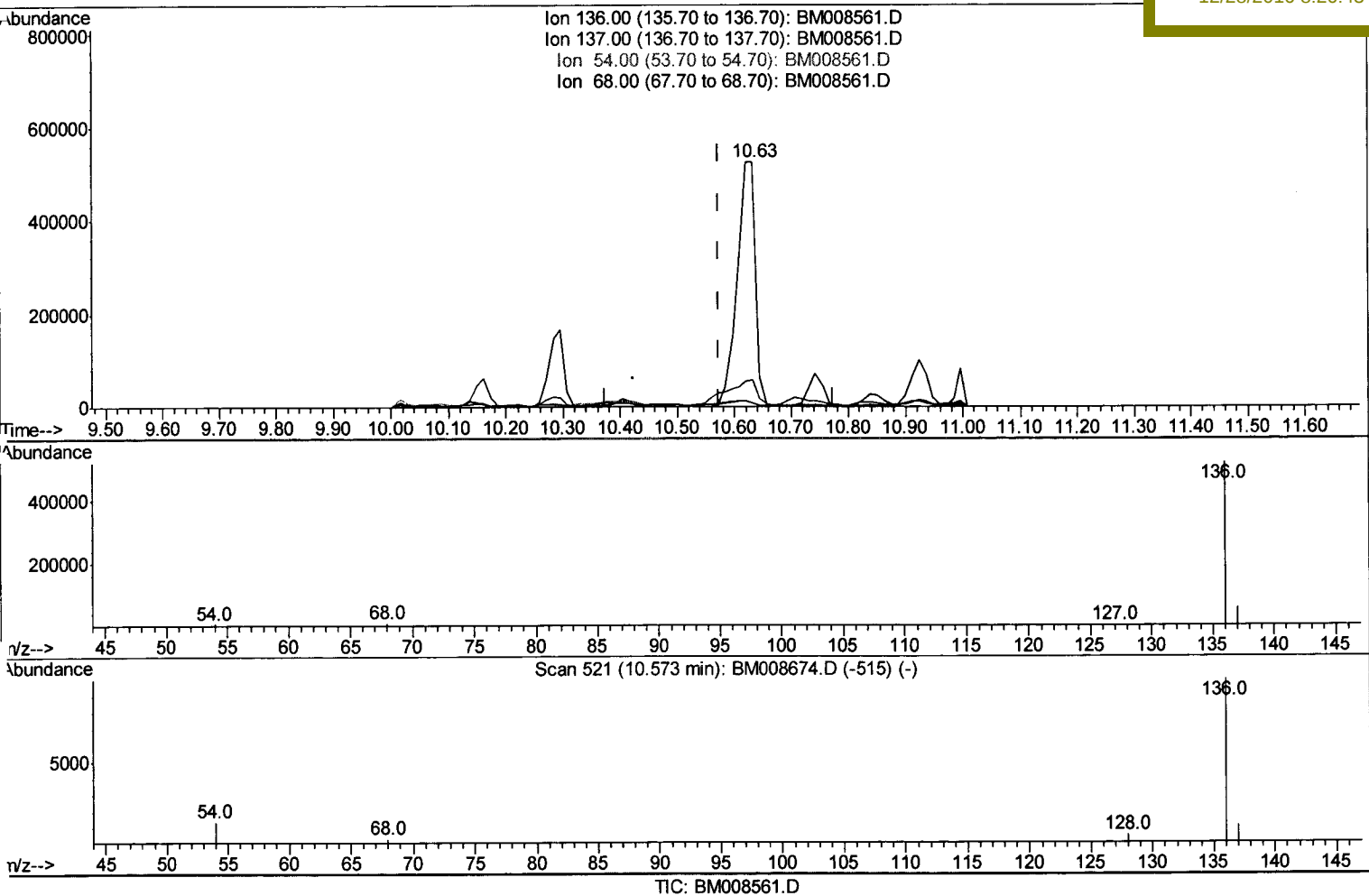
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(2) Naphthalene-d8 (I)

10.633min (+0.061) 0.40ng/ul

response 1189375

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	11.08#
54.00	15.50	1.43#
68.00	9.90	1.51#

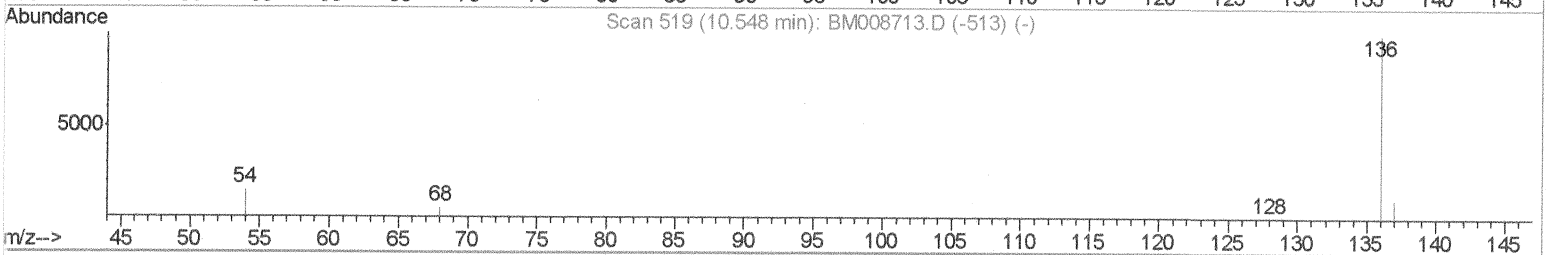
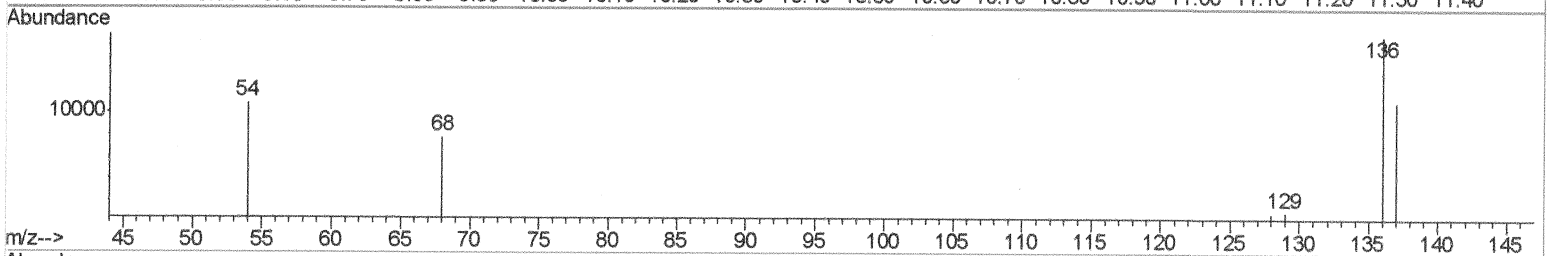
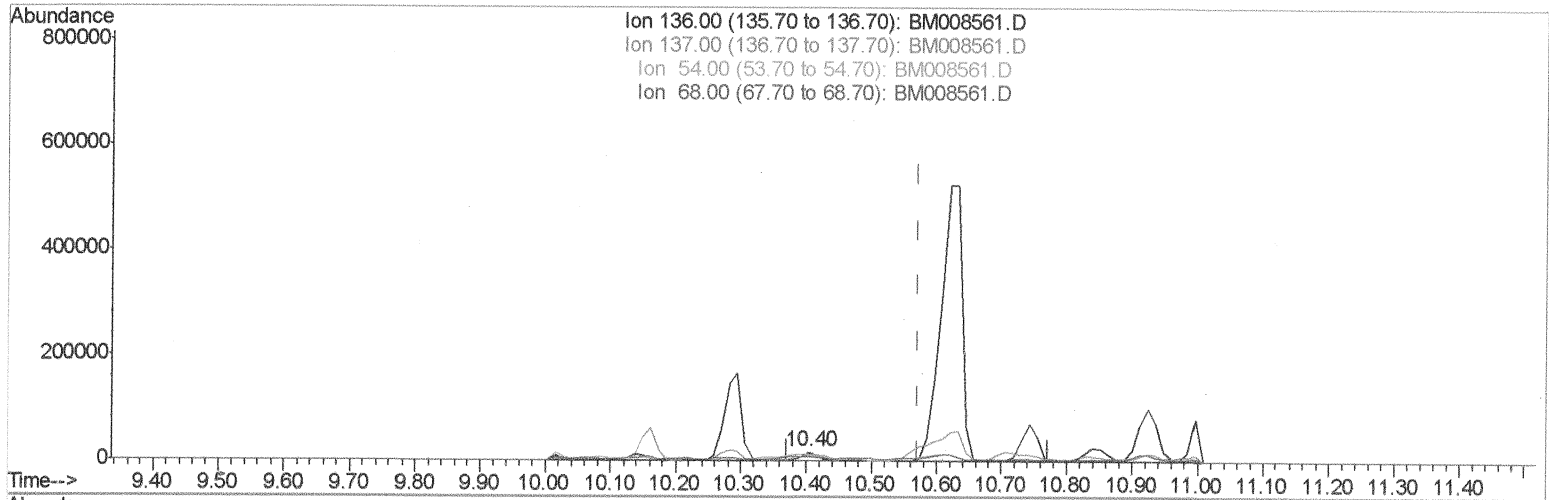
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12/28/2016 8:26:43 AM

Quant Time: Jan 03 09:20:44 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Tue Dec 27 15:49:02 2016
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TIC: BM008561.D

(2) Naphthalene-d8 (I)

10.403min (-0.169) 0.40ng/ul m

SJ 01/03/17

response 28687

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	65.17#
54.00	15.50	63.67#
68.00	9.90	45.72#

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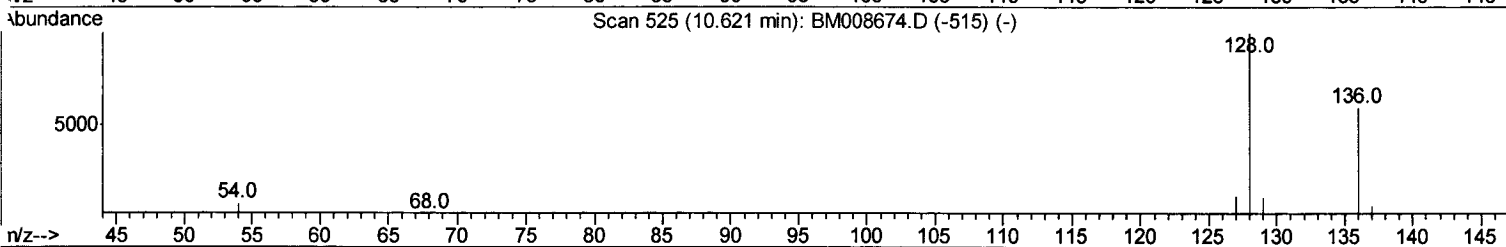
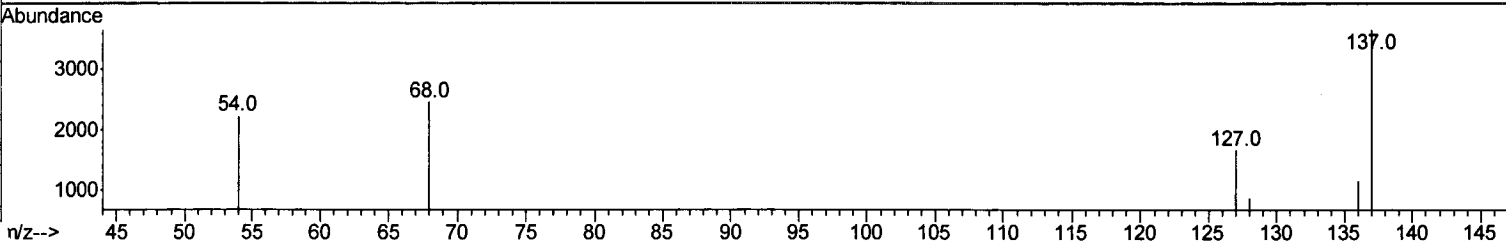
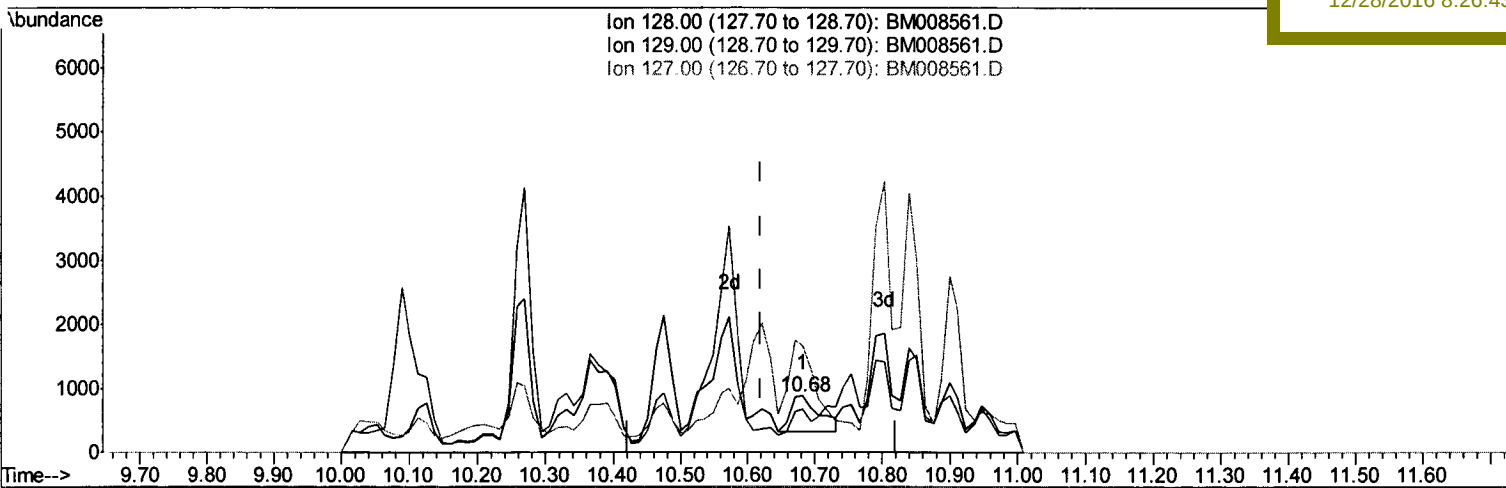
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TIC: BM008561.D

(3) Naphthalene

10.682min (+0.061) 0.02ng/ul

response 1647

Ion	Exp%	Act%
128.00	100	100
129.00	14.10	76.69#
127.00	16.00	190.97#
0.00	0.00	0.00

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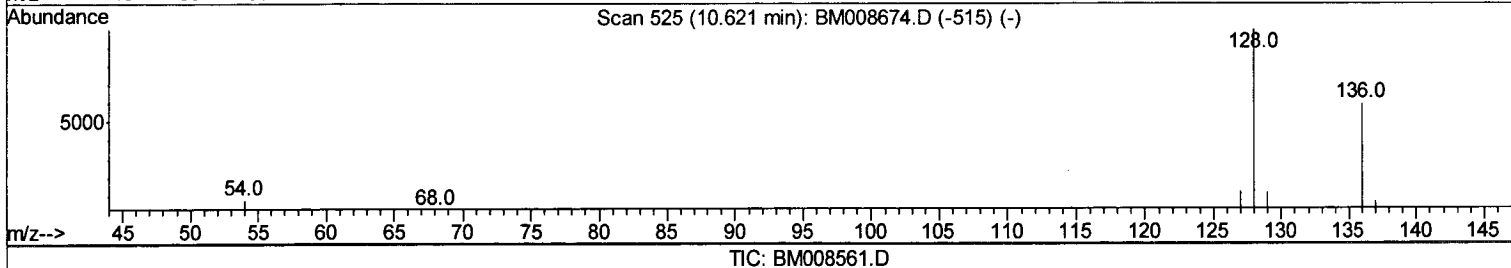
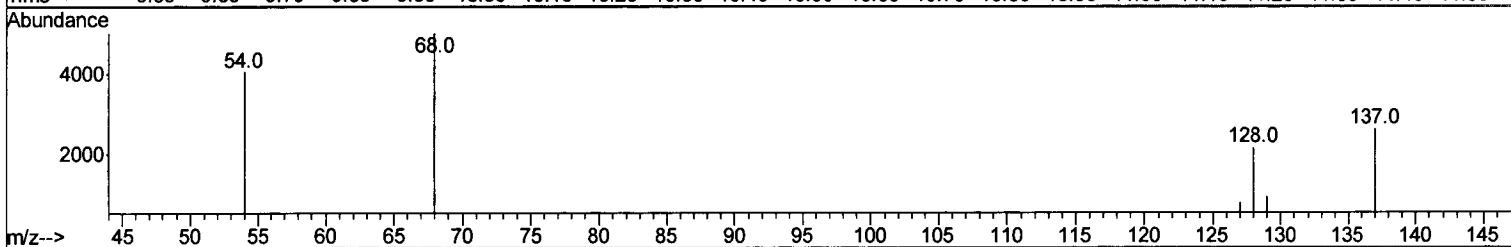
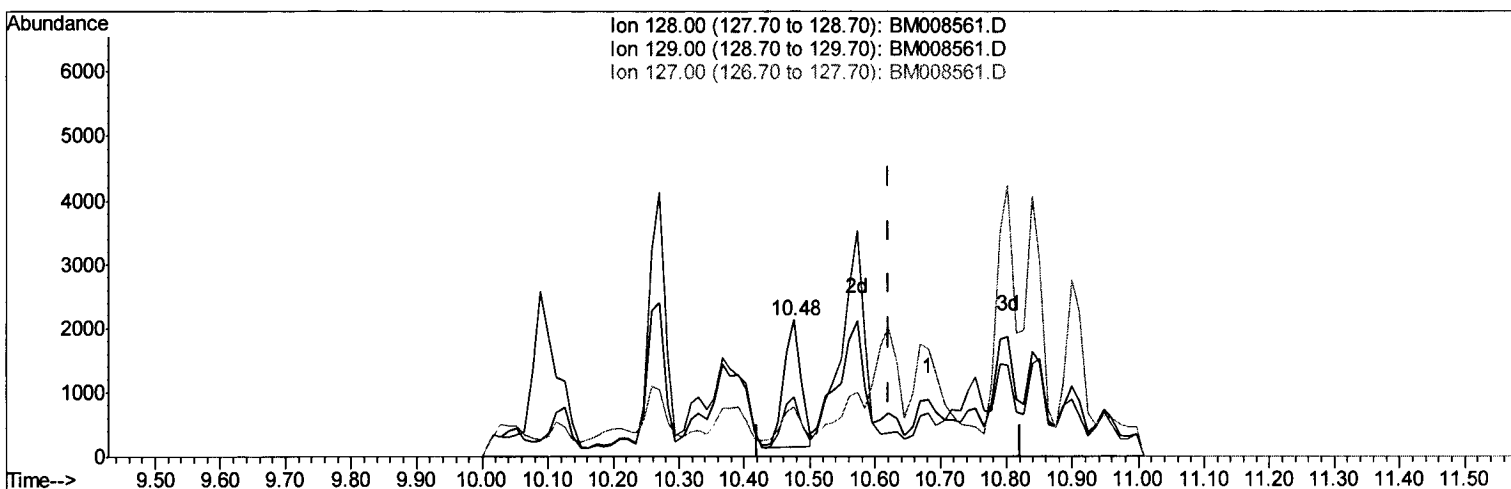
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 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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(3) Naphthalene

10.476min (-0.145) 0.05ng/ul m

response 3713

Ion	Exp%	Act%
128.00	100	100
129.00	14.10	43.39#
127.00	16.00	36.06#
0.00	0.00	0.00

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Quantitation Report (Qedit)

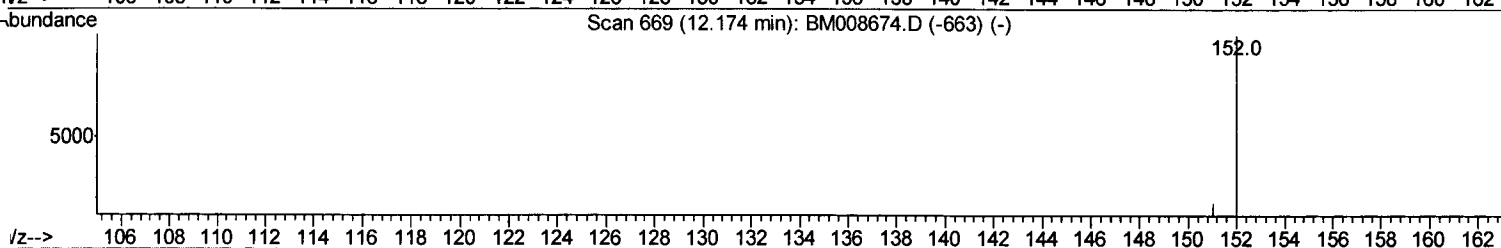
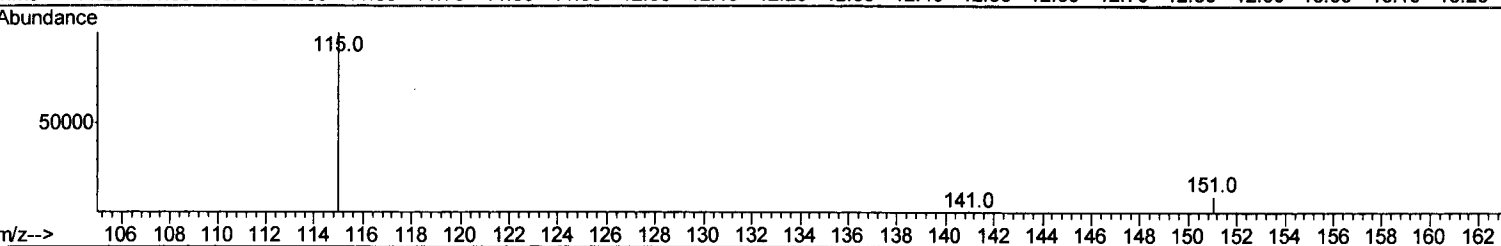
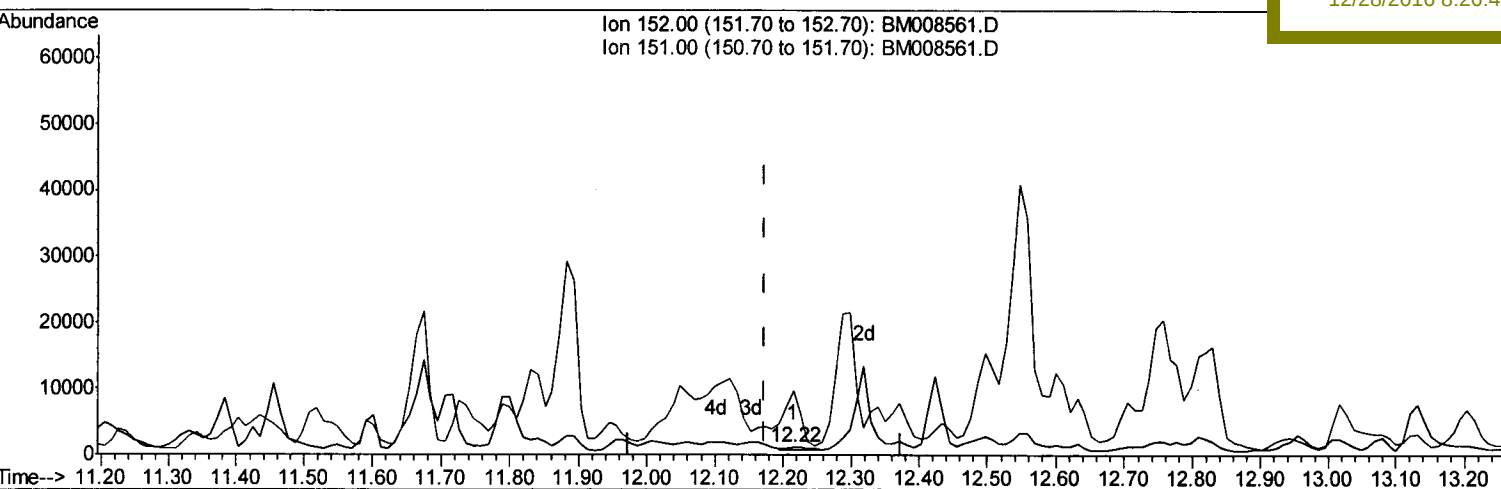
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(4) 2-Methylnaphthalene-d10 (SURR)

12.216min (+0.042) 0.02ng/ul

response 964

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	1477.07#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

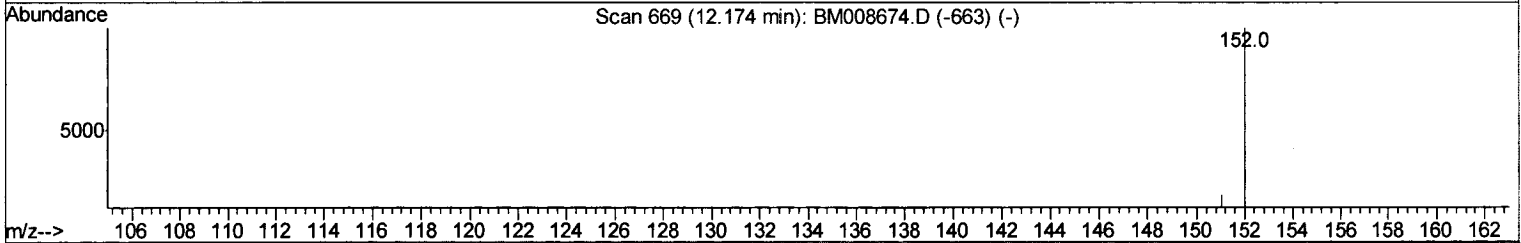
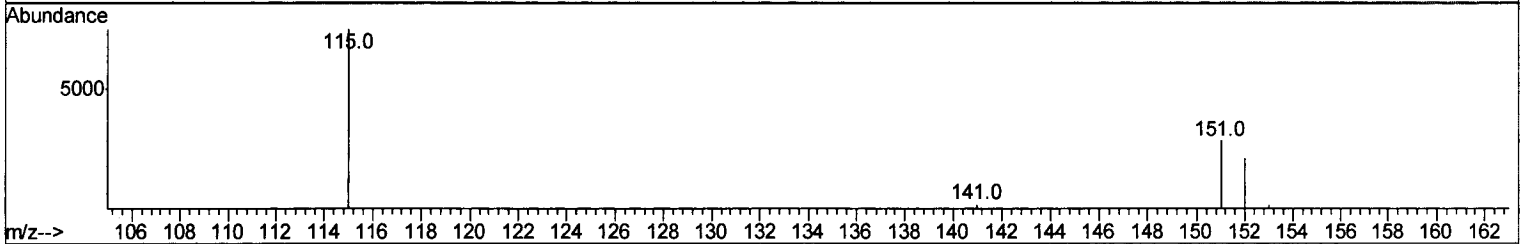
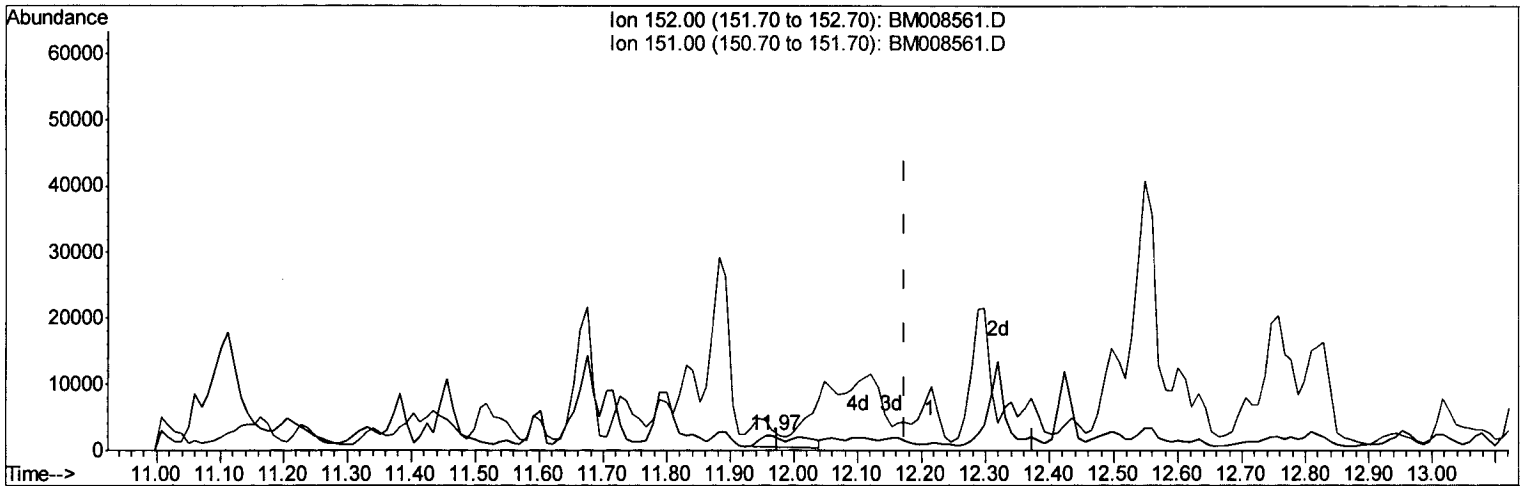
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 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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TIC: BM008561.D

(4) 2-Methylnaphthalene-d10 (SURR)

11.966min (-0.208) 0.20ng/ul m

response 8122

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	175.31#
0.00	0.00	0.00
0.00	0.00	0.00

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Quantitation Report (Qedit)

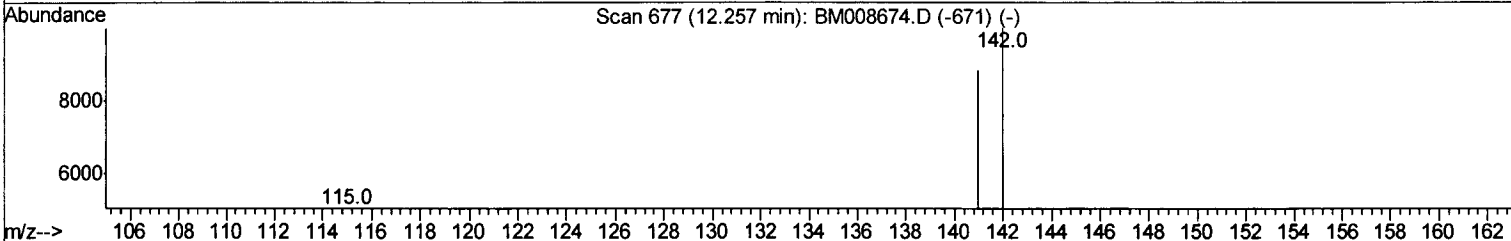
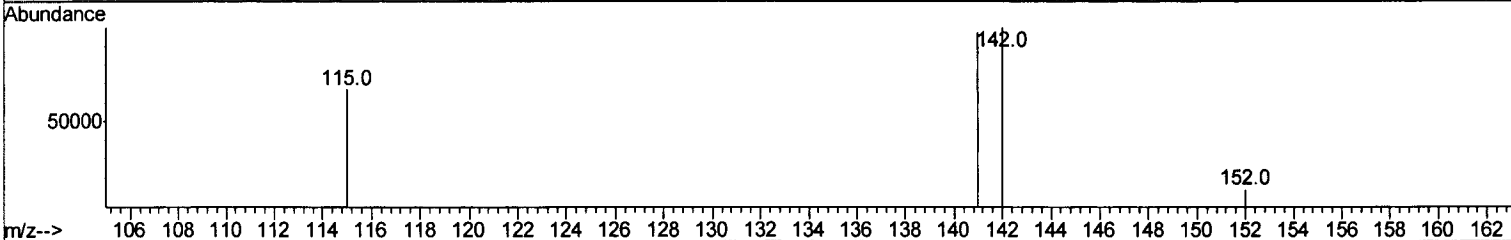
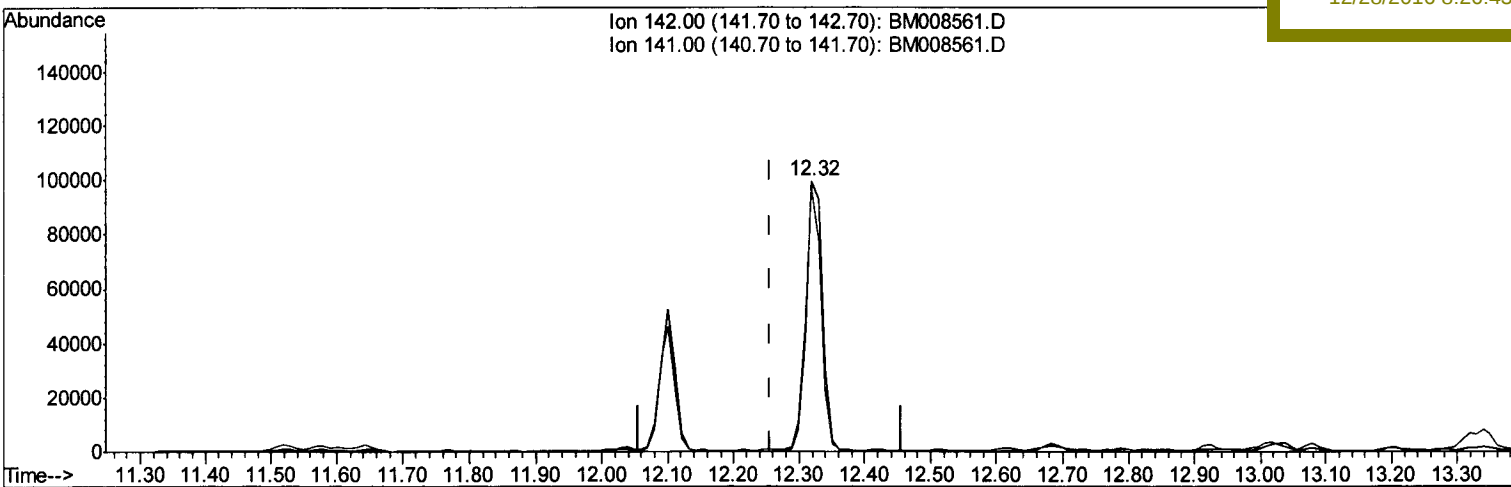
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

Quant Time: Dec 28 06:38:18 2016
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TIC: BM008561.D

(5) 2-Methylnaphthalene

12.320min (+0.063) 3.52ng/ul

response 173833

Ion	Exp%	Act%
142.00	100	100
141.00	90.70	93.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

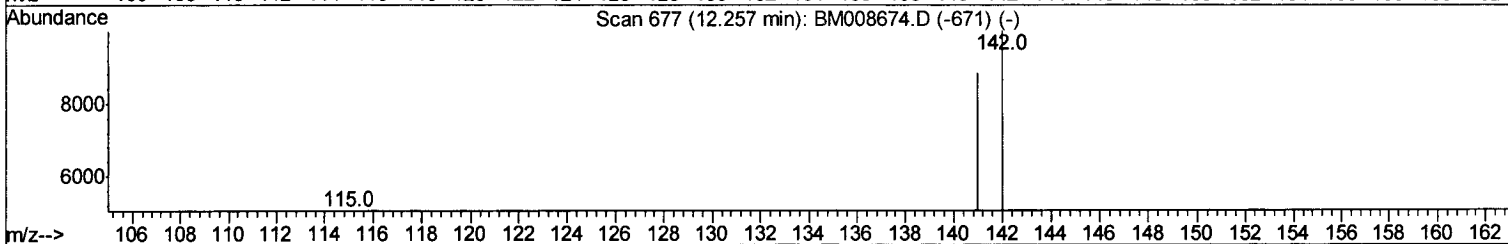
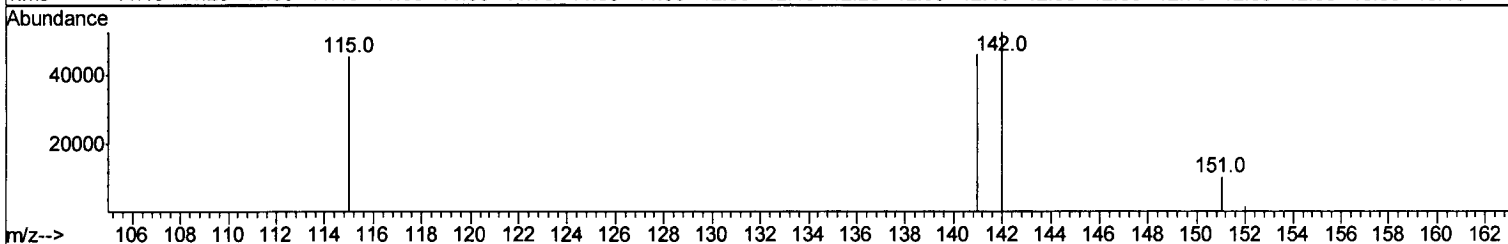
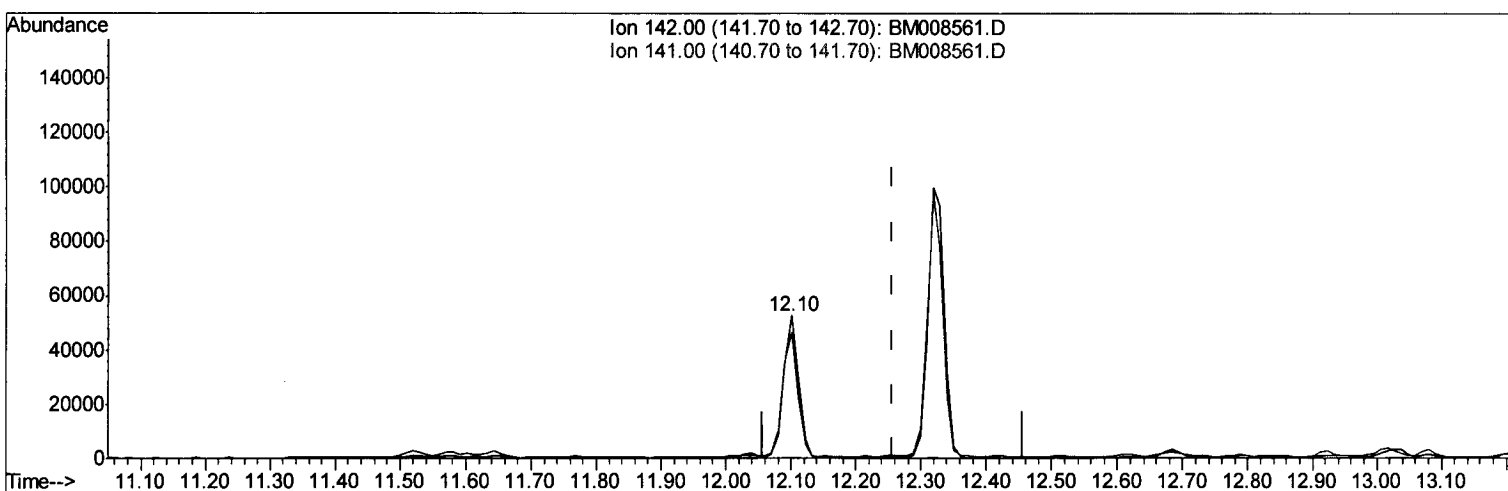
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TIC: BM008561.D

(5) 2-Methylnaphthalene

12.101min (-0.156) 1.71ng/ul m)

response 84323

Ion	Exp%	Act%
142.00	100	100
141.00	90.70	192.32#
0.00	0.00	0.00
0.00	0.00	0.00

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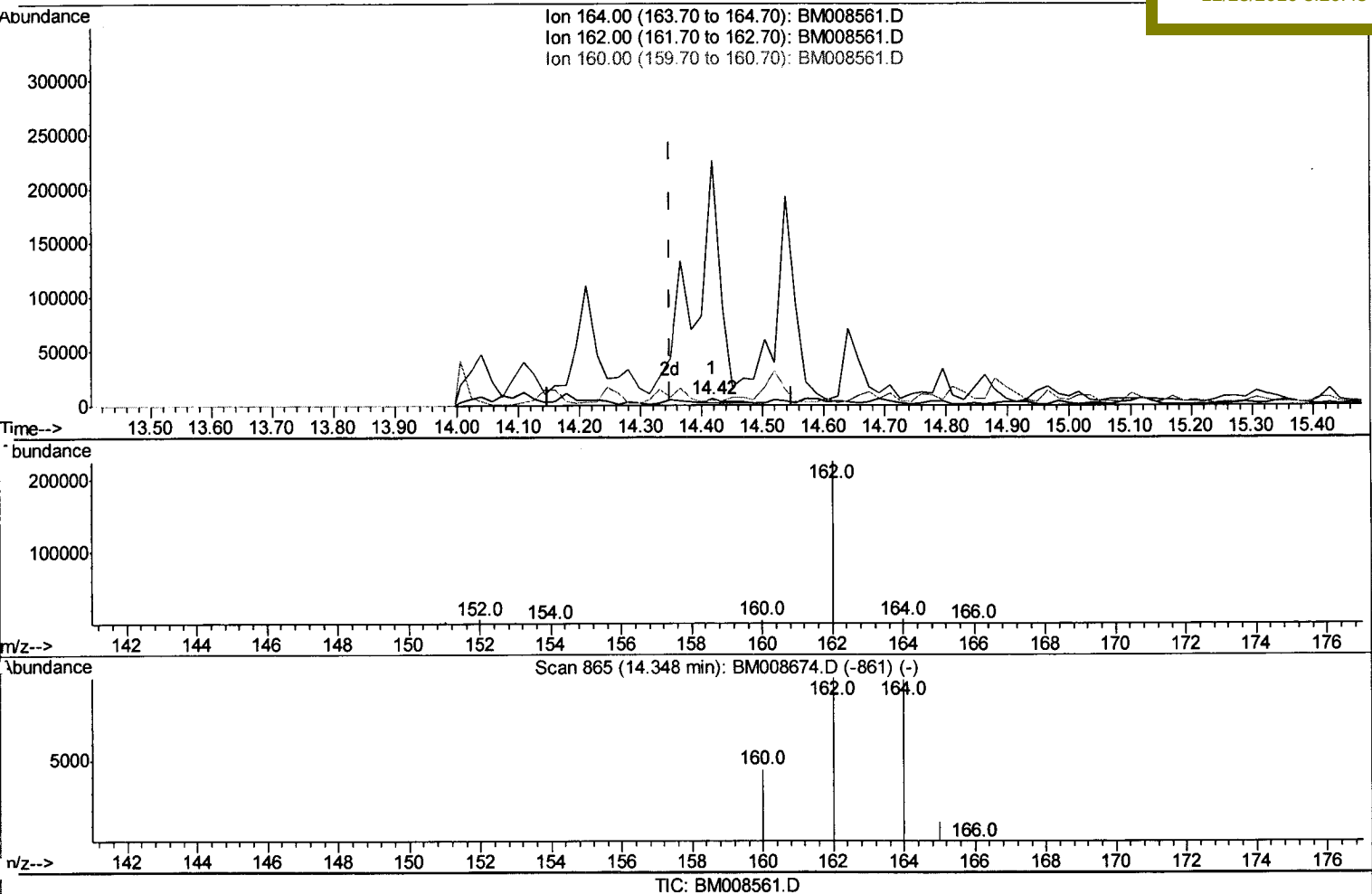
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12/28/2016 8:26:43 AM



(6) Acenaphthene-d10 (I)

14.417min (+0.069) 0.40ng/ul

response 8024

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	3698.90#
160.00	48.80	92.97#
0.00	0.00	0.00

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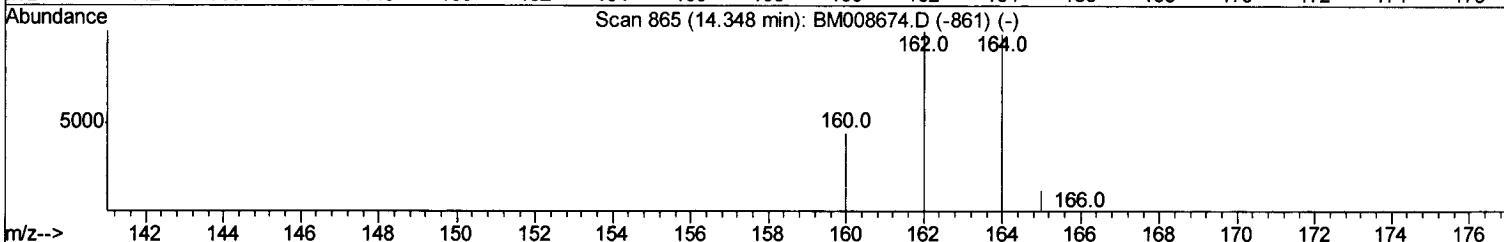
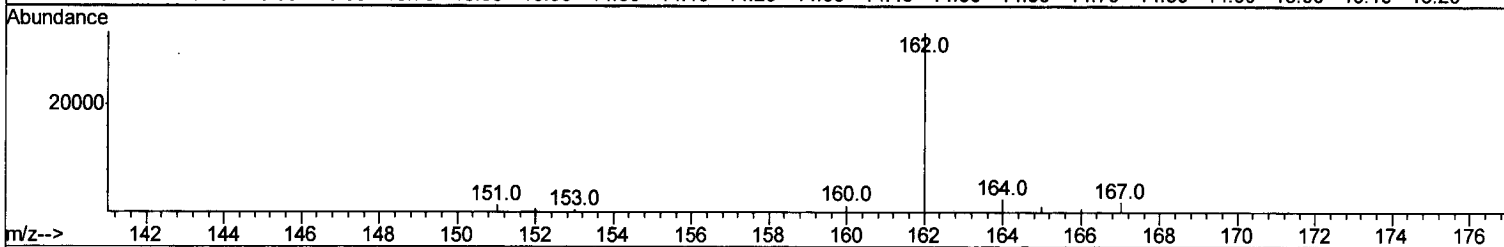
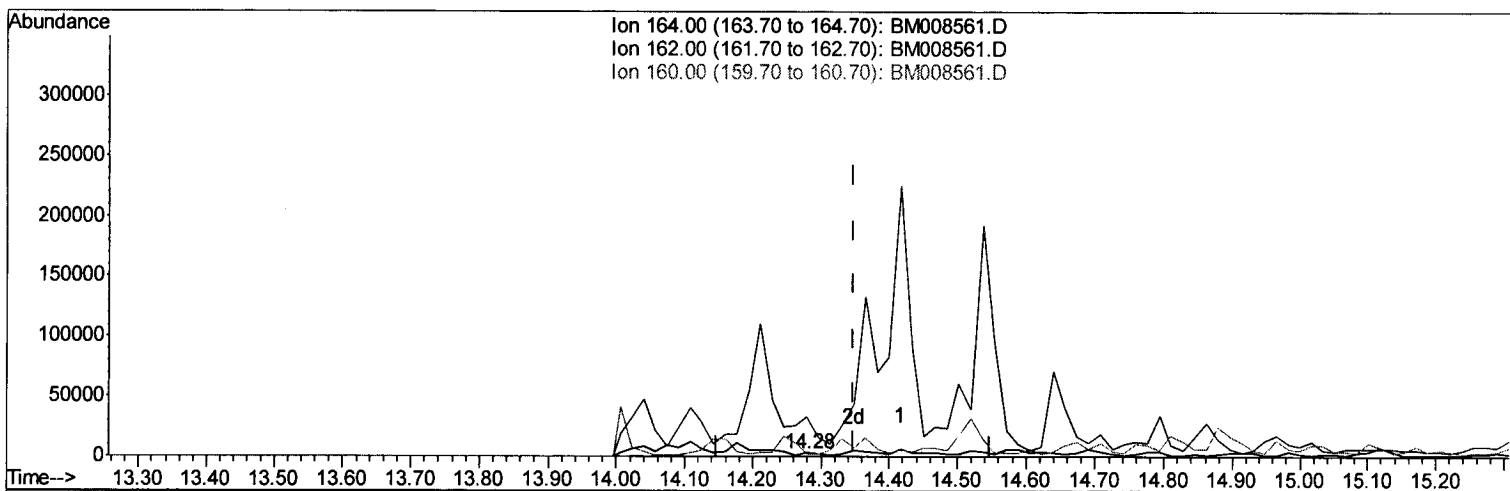
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 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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(6) Acenaphthene-d10 (I)

14.280min (-0.068) 0.40ng/ul m

response 7051

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	1178.77#
160.00	48.80	57.71
0.00	0.00	0.00

S. J
 12/28/16

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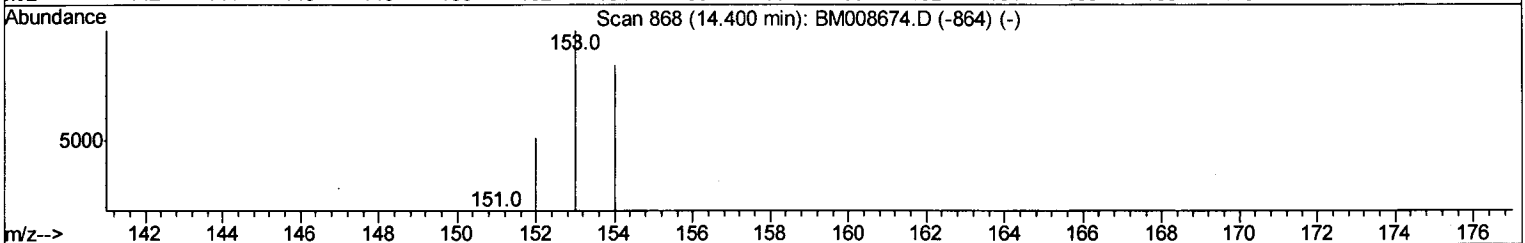
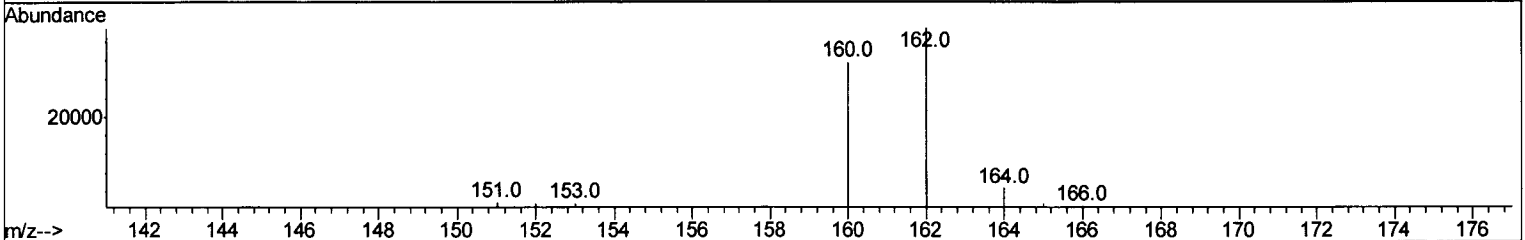
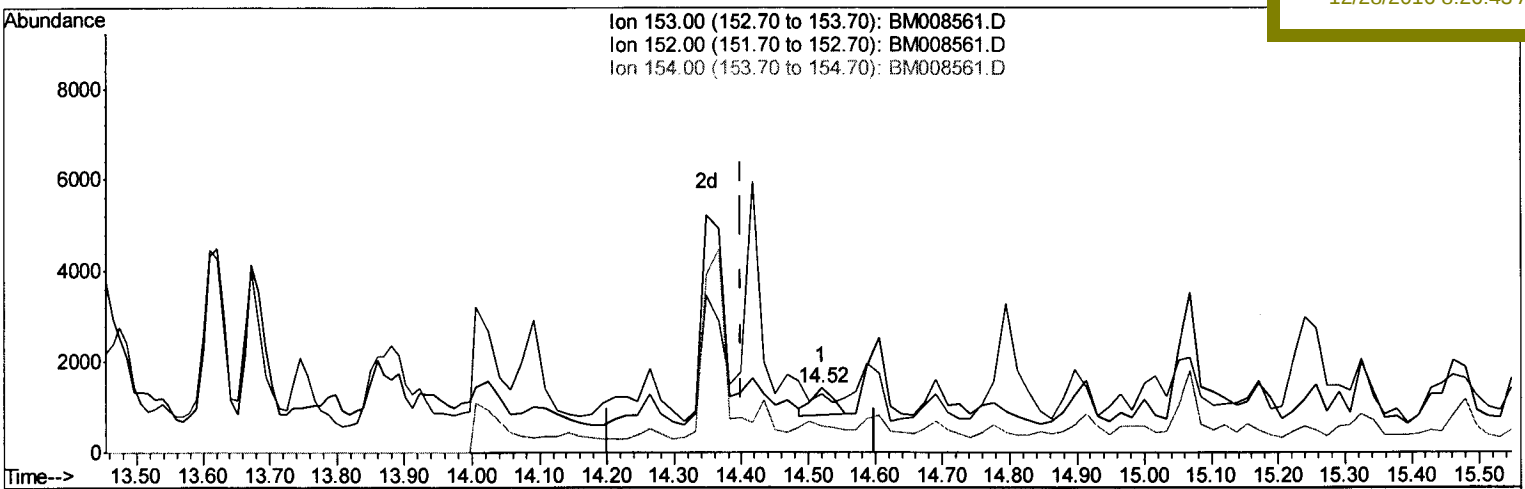
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Quant Time: Dec 28 07:05:12 2016
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 12/28/2016 8:26:43 AM



TIC: BM008561.D

(8) Acenaphthene (C)

14.520min (+0.120) 0.06ng/ul

response 1340

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	89.00#
154.00	89.30	40.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

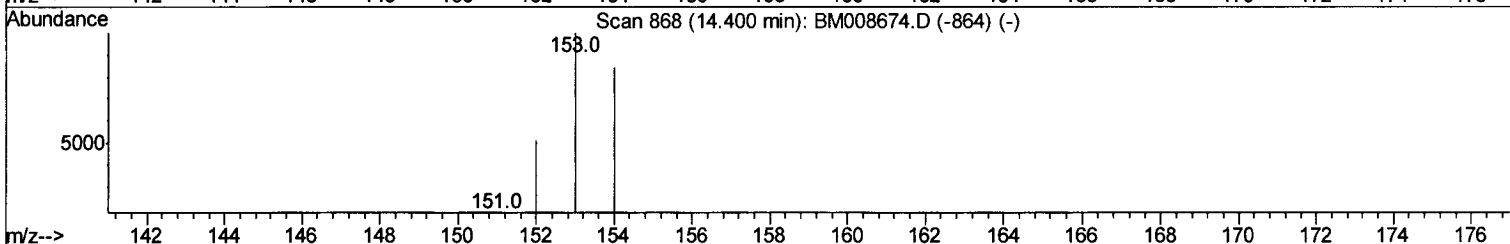
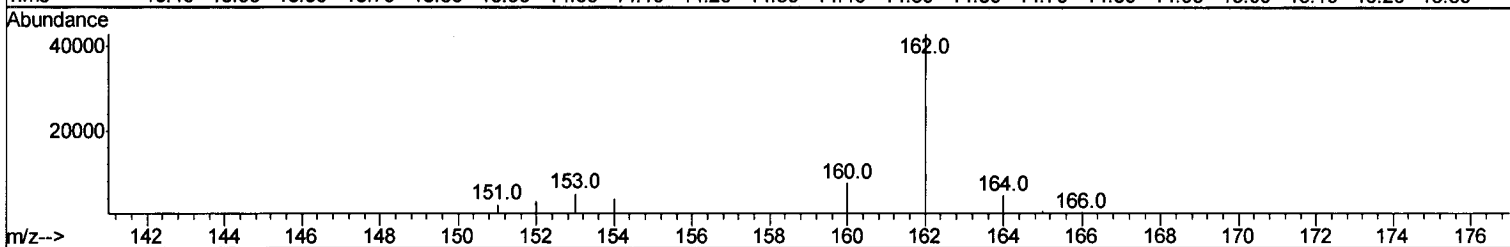
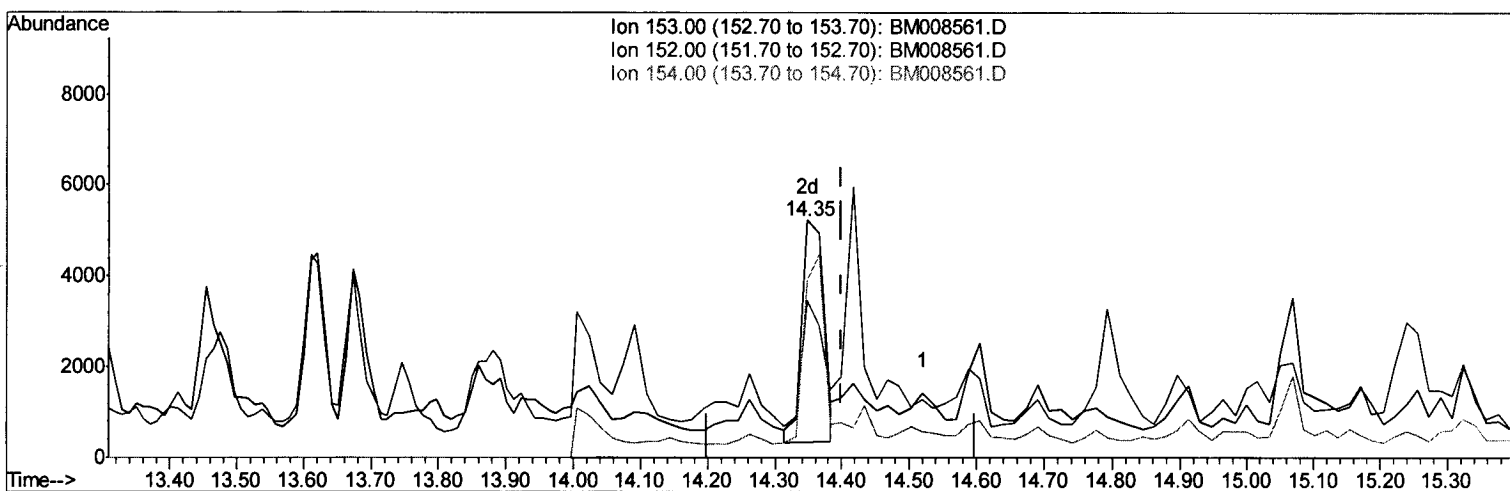
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(8) Acenaphthene (C)

14.348min (-0.051) 0.46ng/ul mS

response 11153

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	66.13#
154.00	89.30	74.52
0.00	0.00	0.00

S.J
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Quantitation Report (Qedit)

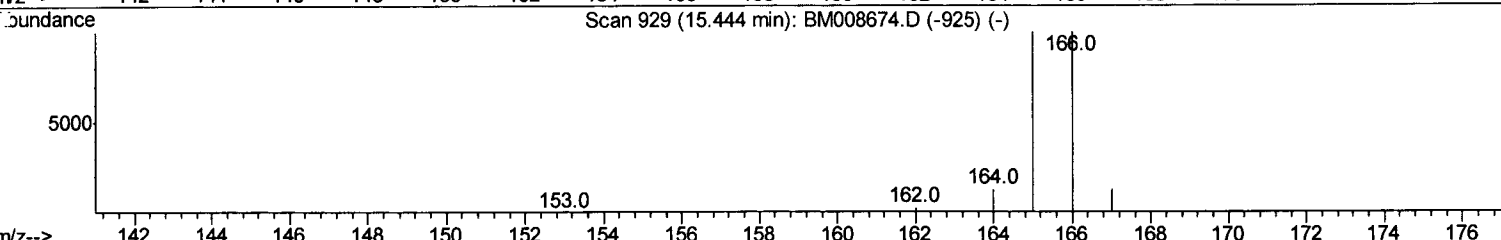
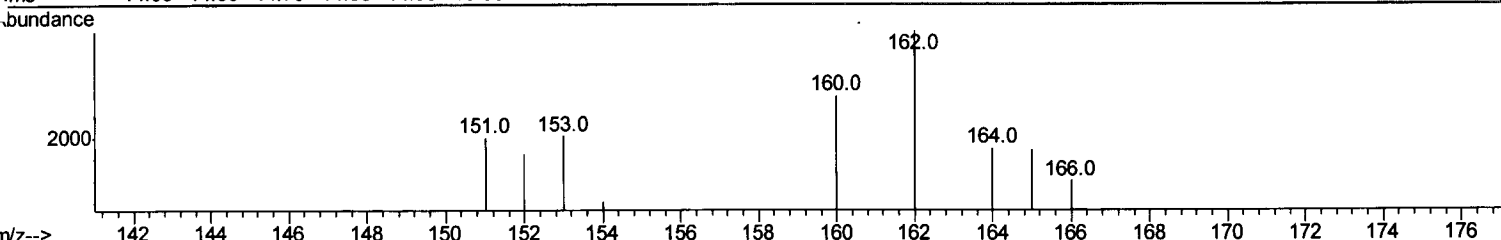
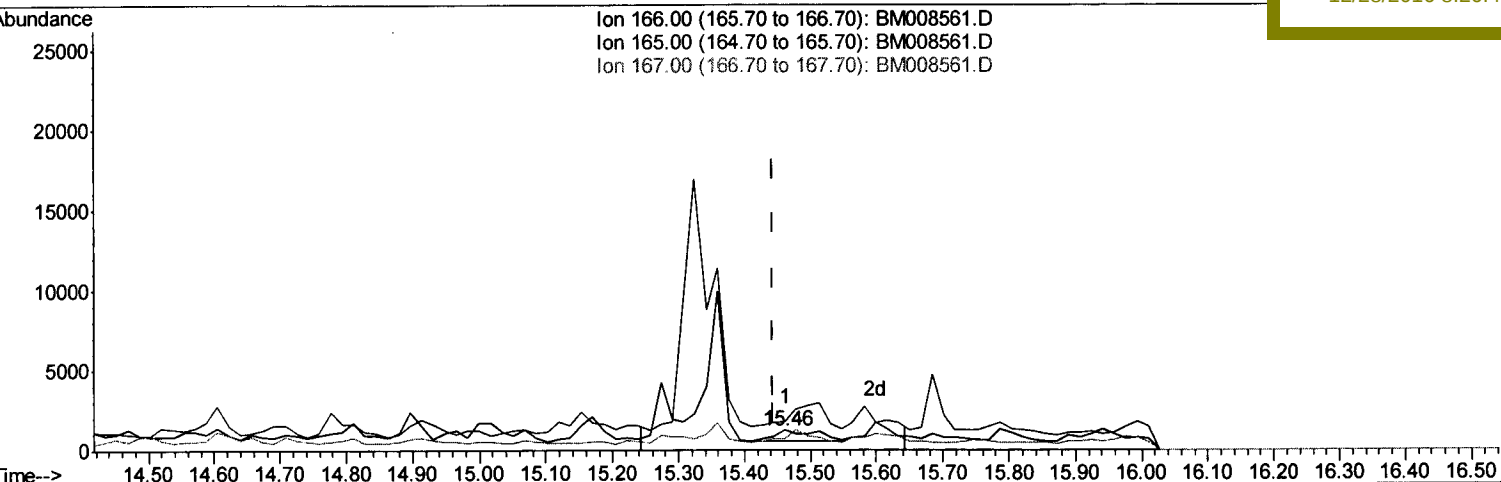
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

Manual Integrations
 APPROVED

UMANGI
 12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:05:12 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 27 15:49:02 2016
 Response via : Initial Calibration



TIC: BM008561.D

(9) Fluorene

15.462min (+0.017) 0.10ng/ul

response 2840

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	146.67#
167.00	18.30	55.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

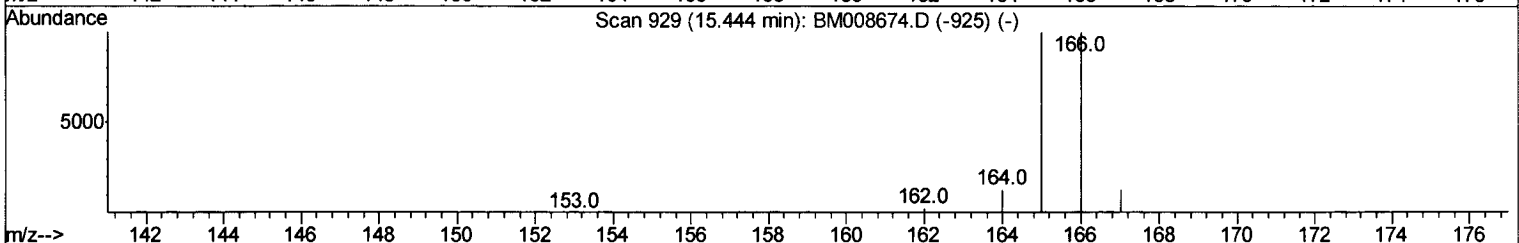
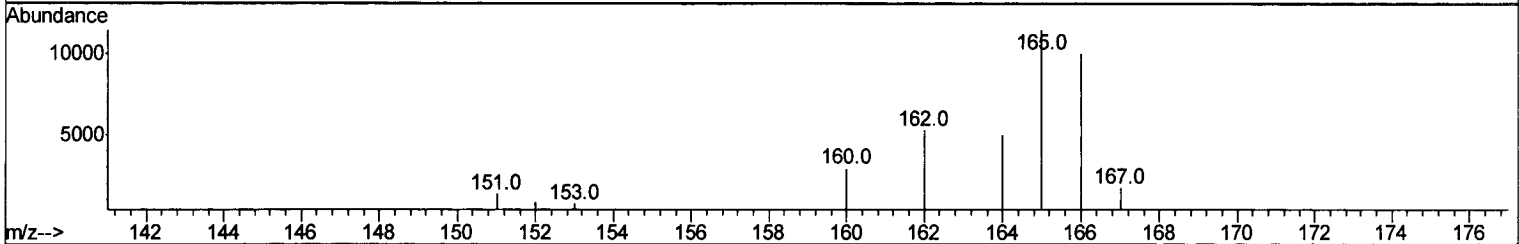
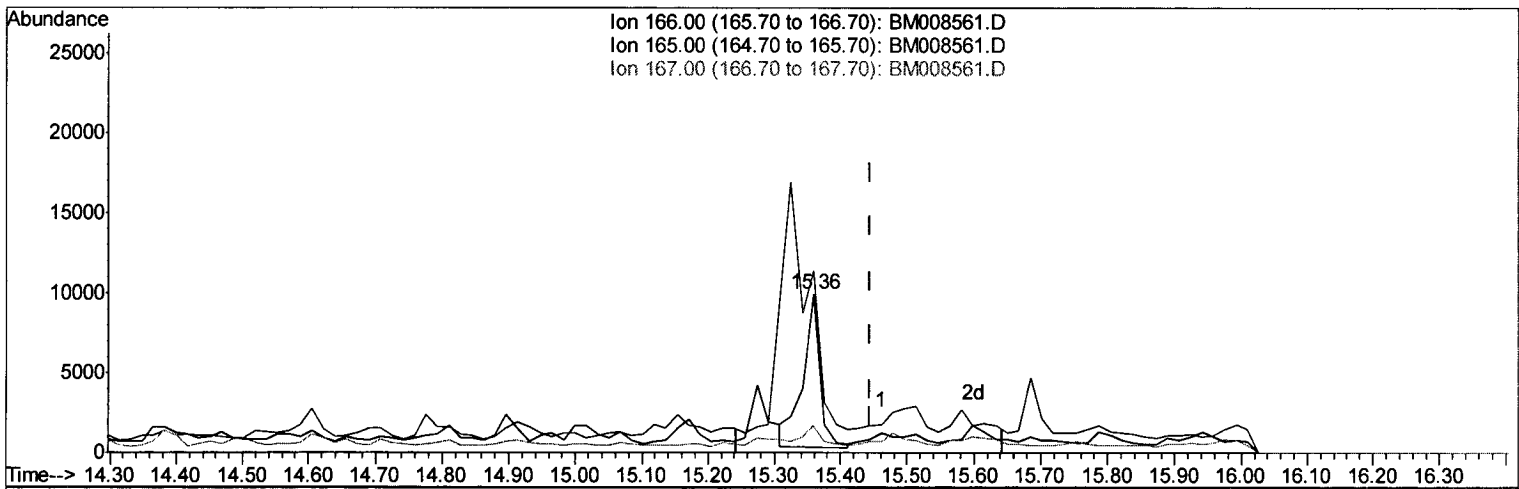
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

Manual Integrations
 APPROVED

UMANGI
 12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:05:12 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 27 15:49:02 2016
 Response via : Initial Calibration



TIC: BM008561.D

(9) Fluorene

15.359min (-0.085) 0.64ng/ul m

response 17629

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	114.68#
167.00	18.30	17.39
0.00	0.00	0.00

S. J
 12/28/16

Quantitation Report (Qedit)

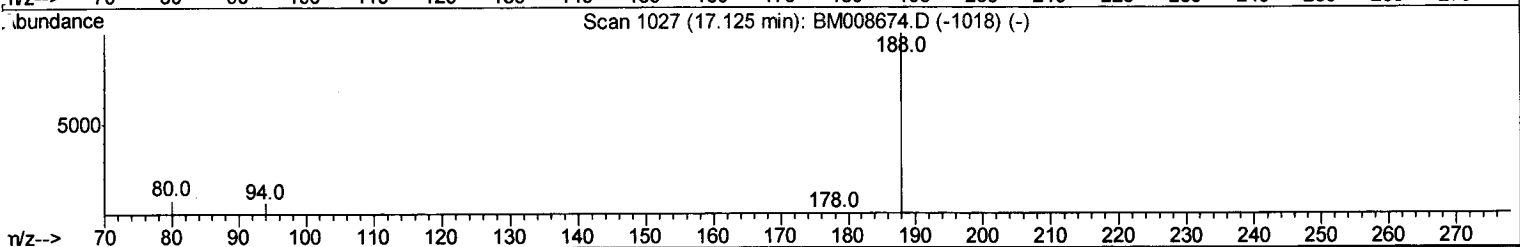
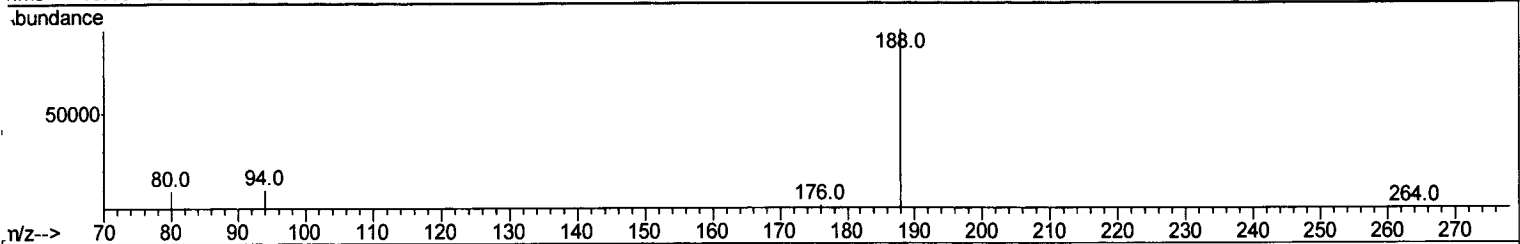
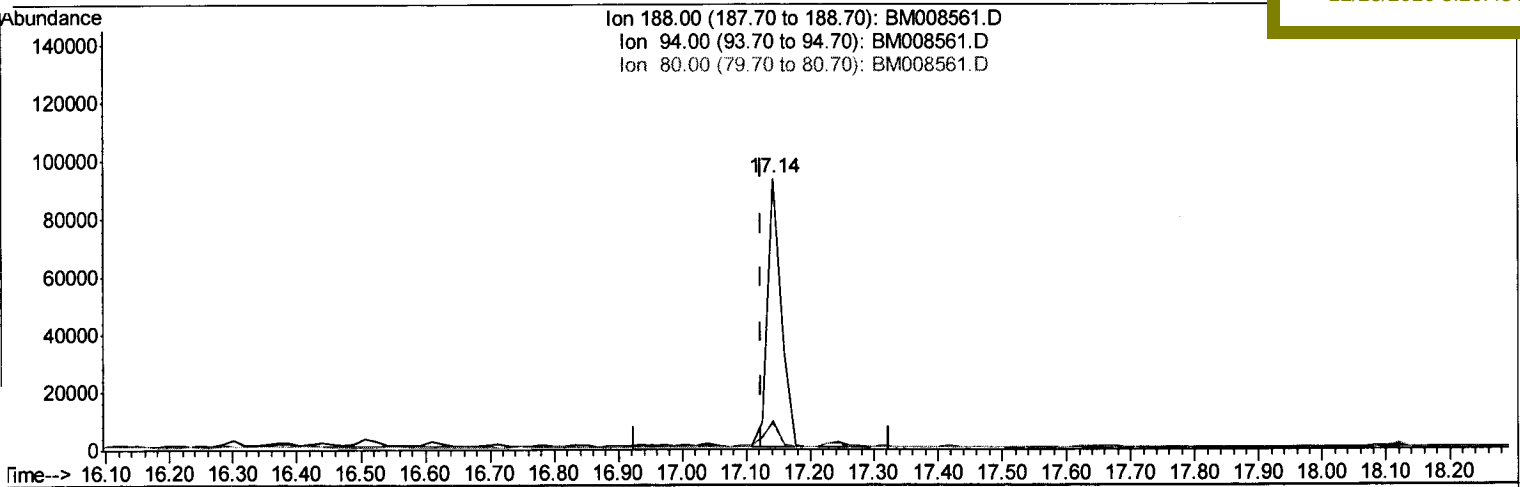
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 DA8T3RE

Quant Time: Dec 28 07:05:12 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 27 15:49:02 2016
 Response via : Initial Calibration

Manual Integrations
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UMANGI
 12/28/2016 8:26:43 AM



TIC: BM008561.D

(10) Phenanthrene-d10 (I)

17.142min (+0.017) 0.40ng/ul

response 140224

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.55
80.00	11.80	9.67
0.00	0.00	0.00

Quantitation Report (Qedit)

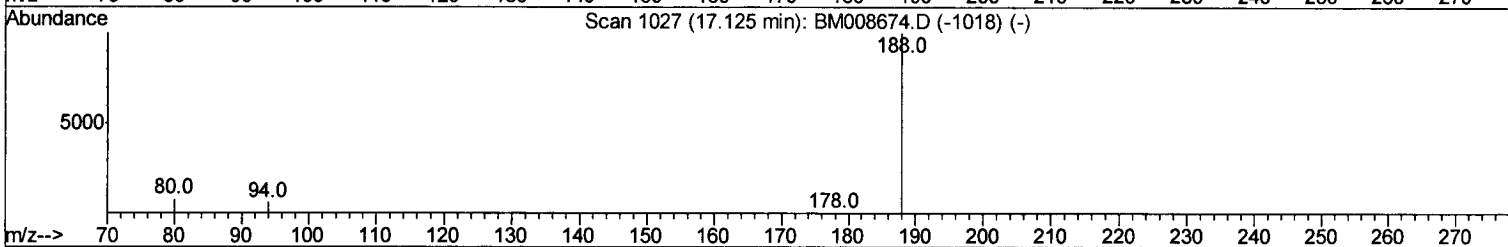
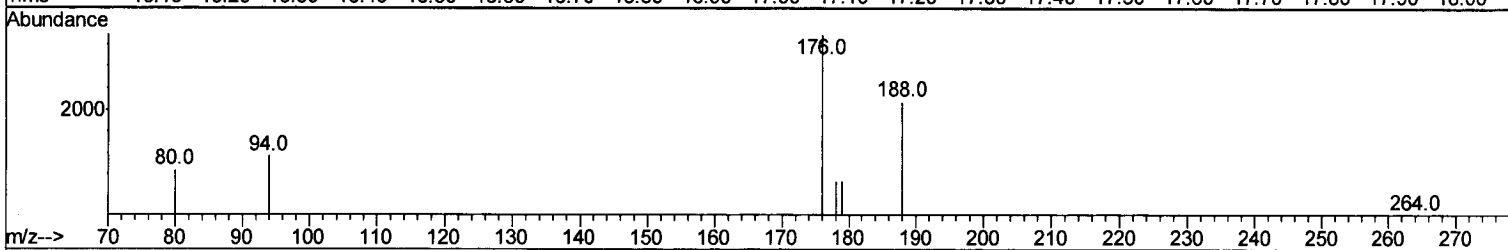
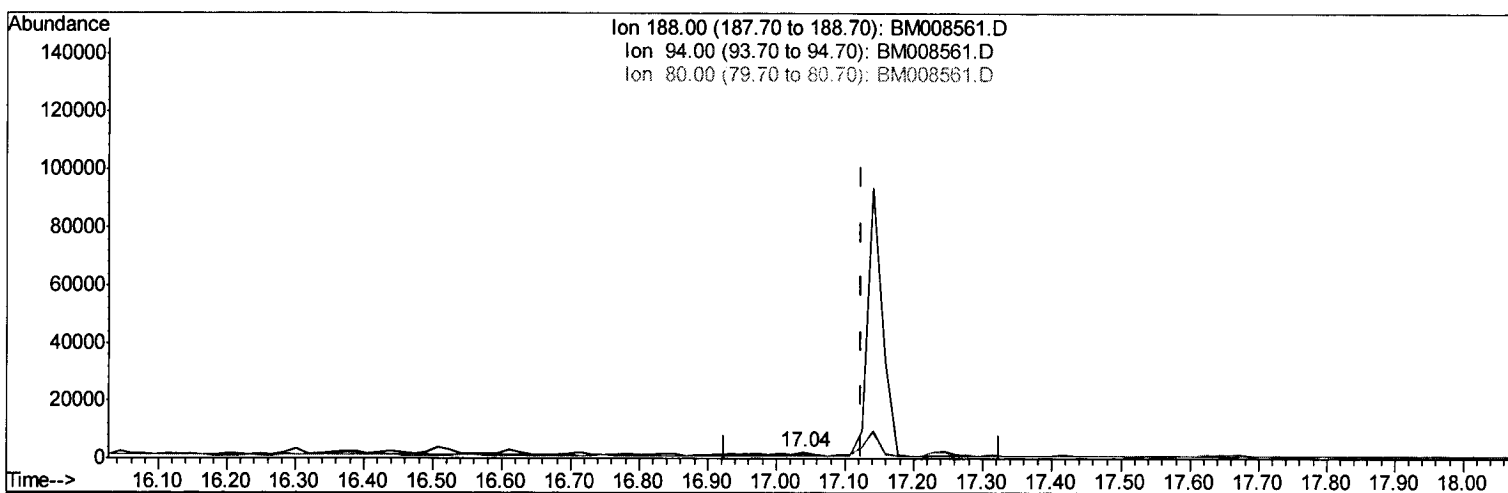
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
Data File : BM008561.D
Acq On : 22 Dec 2016 18:24
Operator : UM/SJ
Sample : H6039-19RE
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3RE

Manual Integrations
APPROVED

UMANGI
12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:05:12 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 27 15:49:02 2016
Response via : Initial Calibration



TIC: BM008561.D

(10) Phenanthrene-d10 (I)

17.039min (-0.086) 0.40ng/ul m)

response 2152

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	53.23#
80.00	11.80	41.14#
0.00	0.00	0.00

S. J
12/28/16

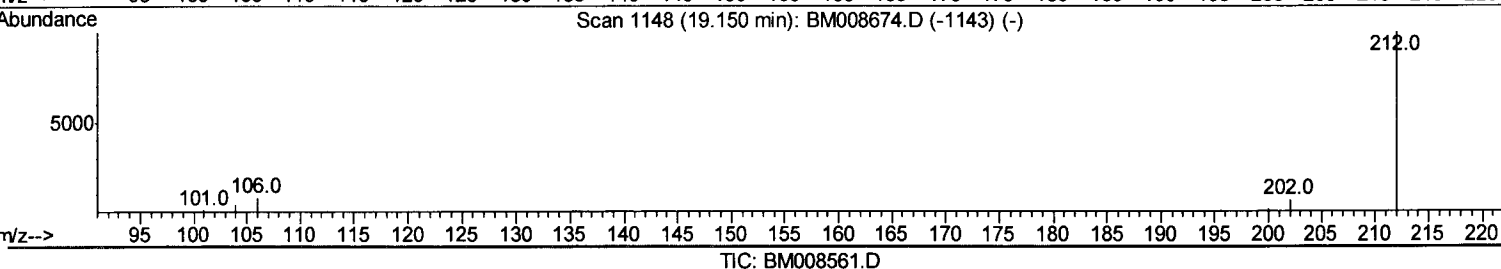
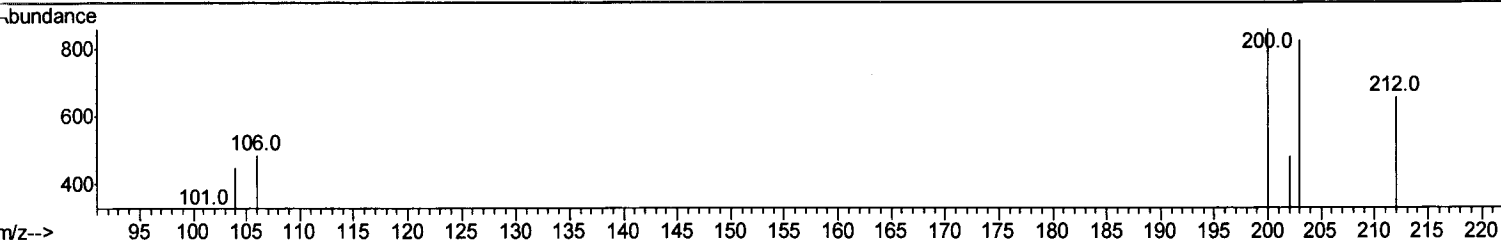
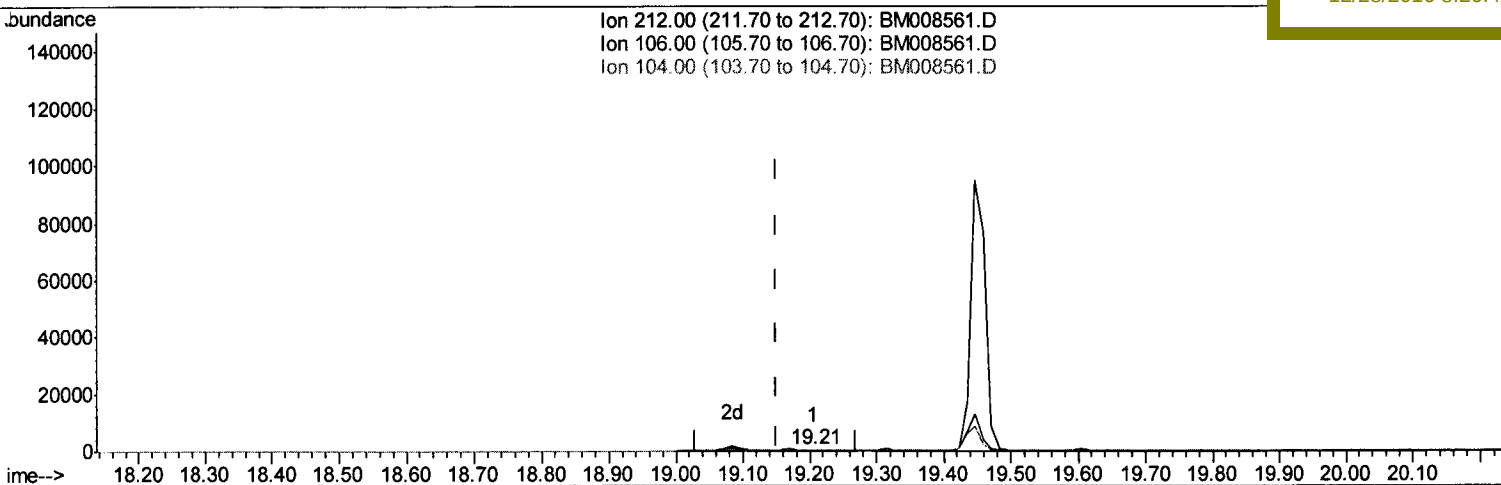
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
Data File : BM008561.D
Acq On : 22 Dec 2016 18:24
Operator : UM/SJ
Sample : H6039-19RE
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3RE

Manual Integrations
APPROVED

UMANGI
12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:07:58 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 27 15:49:02 2016
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.205min (+0.056) 0.12ng/ul

response 698

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	21.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

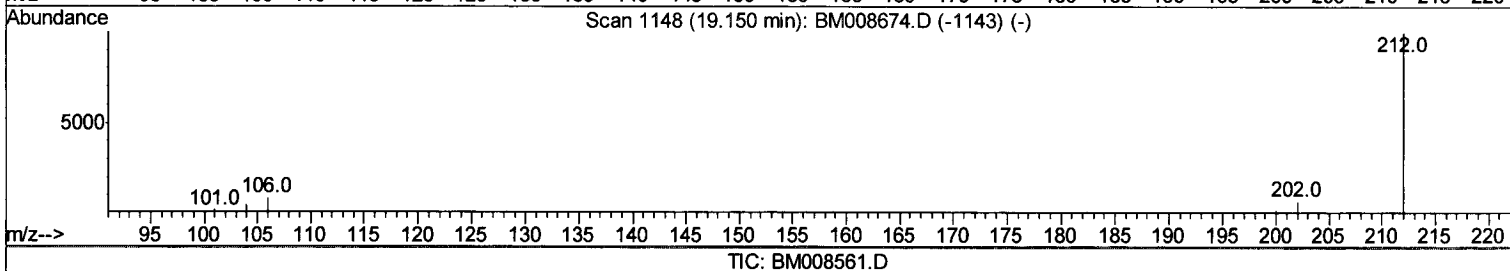
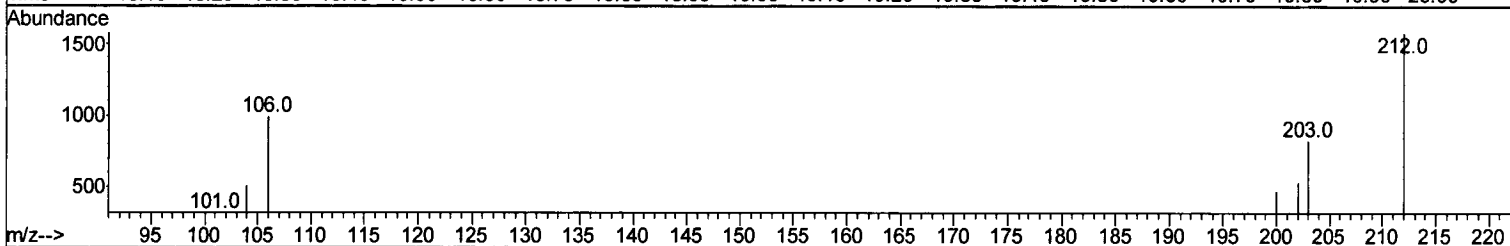
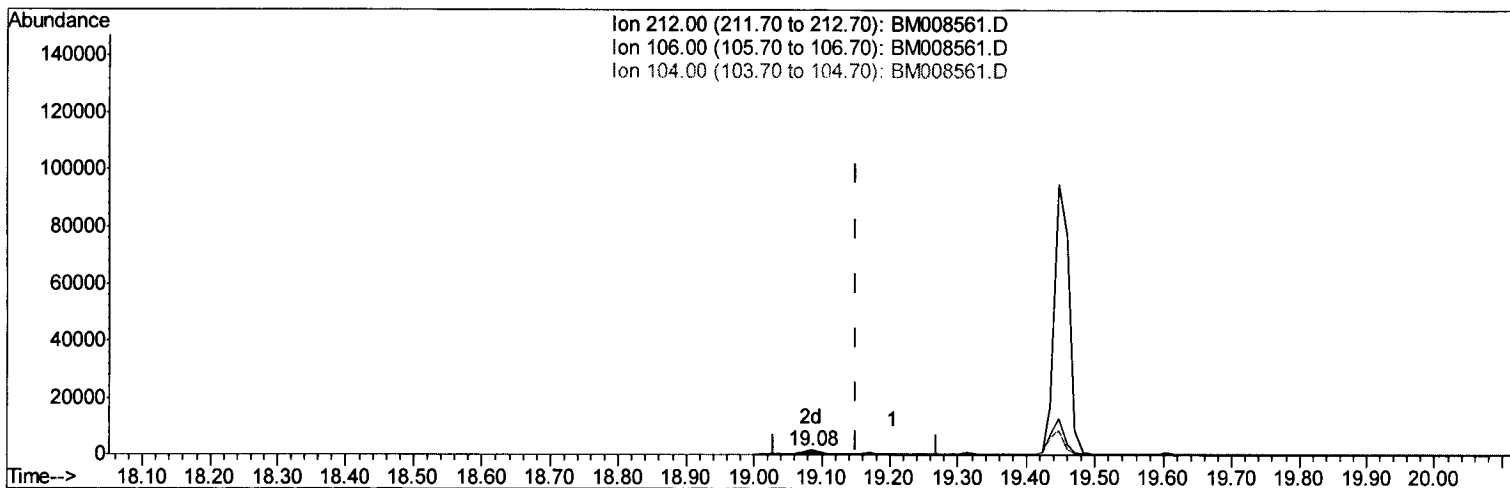
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

Manual Integrations
 APPROVED

UMANGI
 12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:07:58 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 27 15:49:02 2016
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.084min (-0.065) 0.29ng/ul m)

response 1718

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	8.67#
0.00	0.00	0.00

S. J
 12/28/16

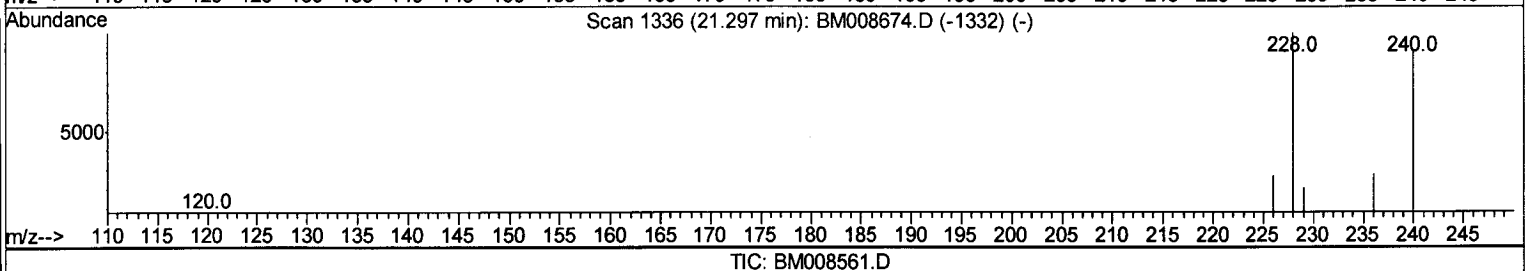
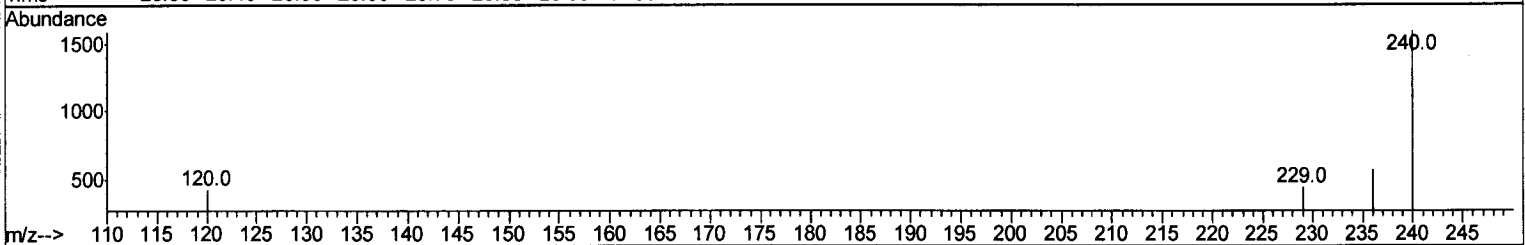
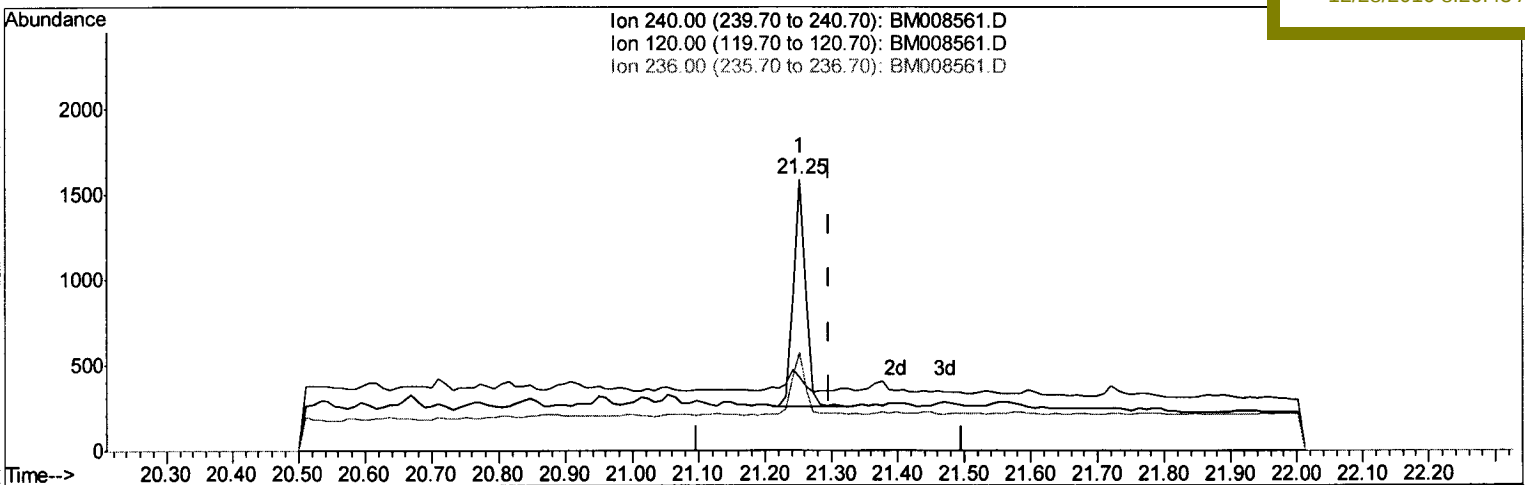
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
Data File : BM008561.D
Acq On : 22 Dec 2016 18:24
Operator : UM/SJ
Sample : H6039-19RE
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3RE

Quant Time: Dec 28 07:07:58 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 27 15:49:02 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

UMANGI
12/28/2016 8:26:43 AM



(16) Chrysene-d12 (I)

21.252min (-0.045) 0.40ng/ul

response 1745

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	26.70#
236.00	34.90	35.96
0.00	0.00	0.00

Quantitation Report (Qedit)

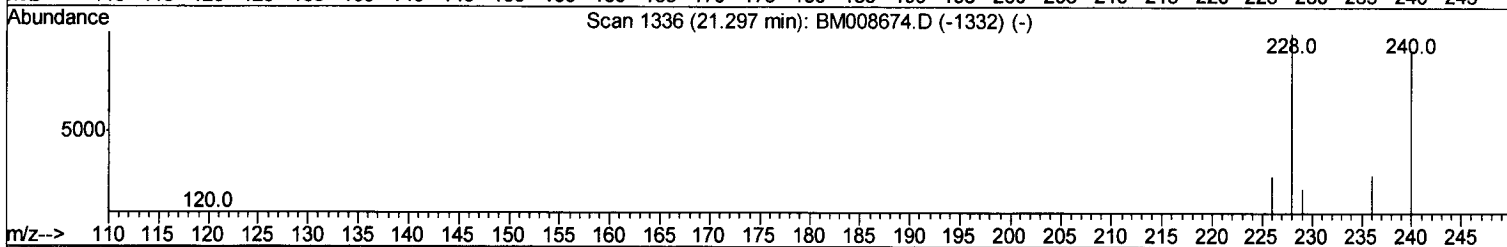
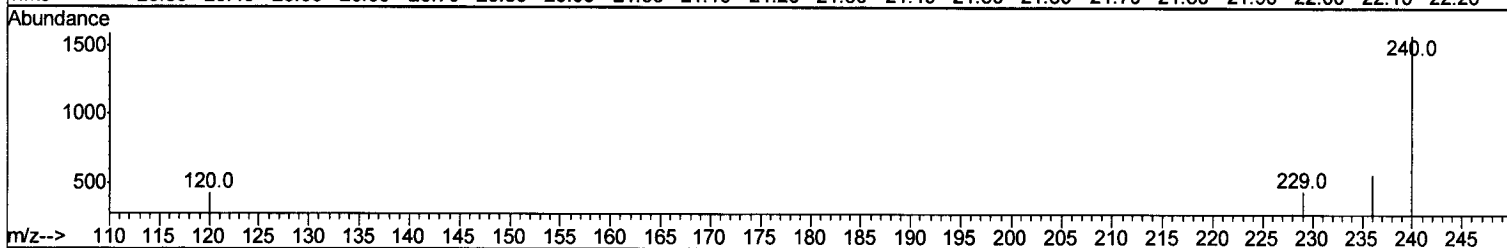
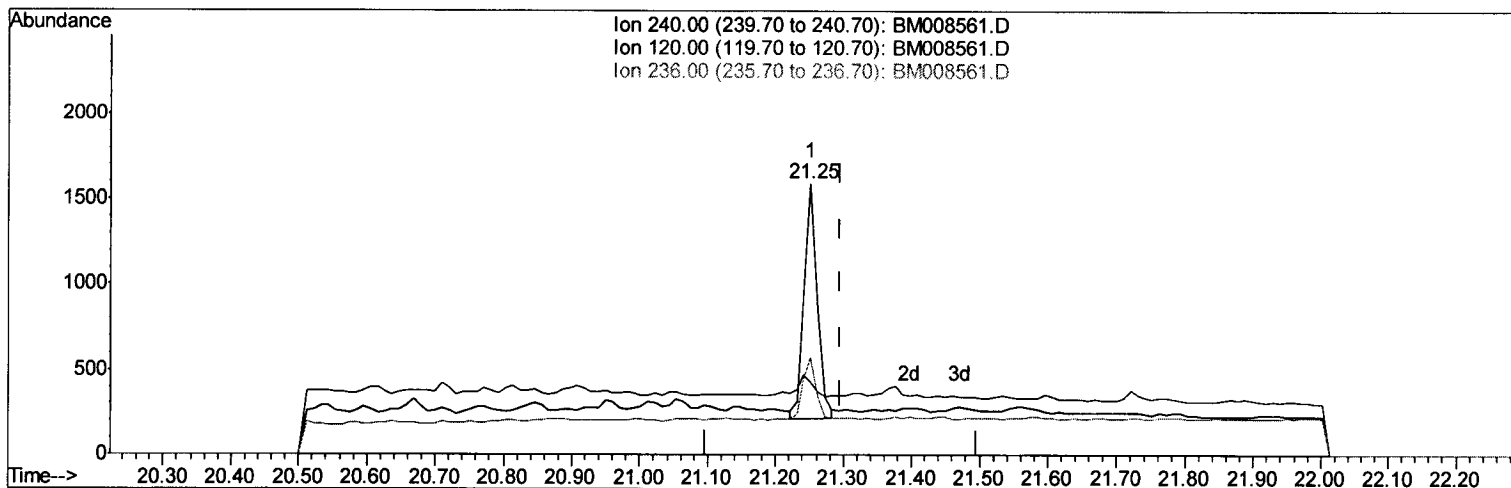
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

Manual Integrations
 APPROVED

UMANGI
 12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:09:52 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 27 15:49:02 2016
 Response via : Initial Calibration



TIC: BM008561.D

(16) Chrysene-d12 (I)

21.252min (-0.045) 0.40ng/ul m

response 1875

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	26.70#
236.00	34.90	35.96
0.00	0.00	0.00

S. J
 12/28/16

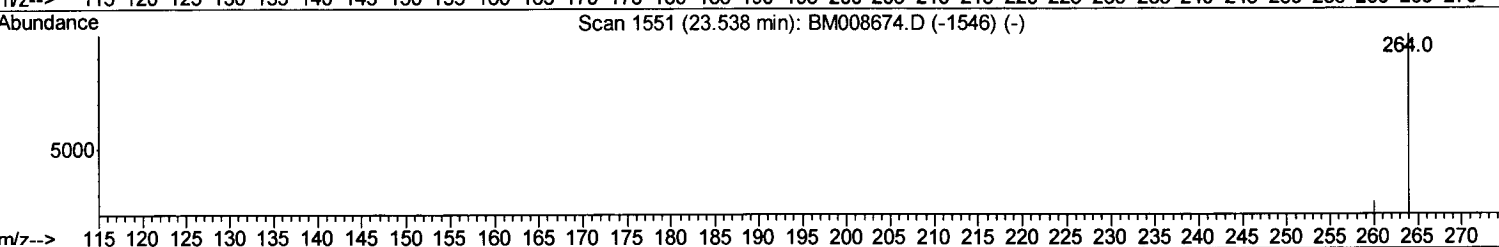
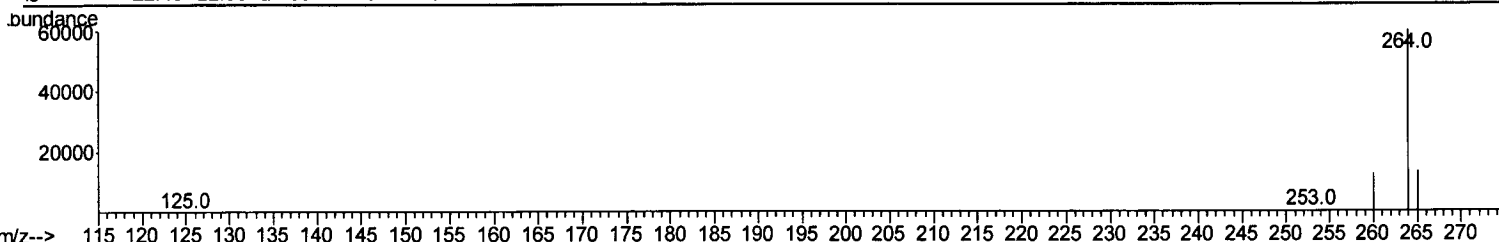
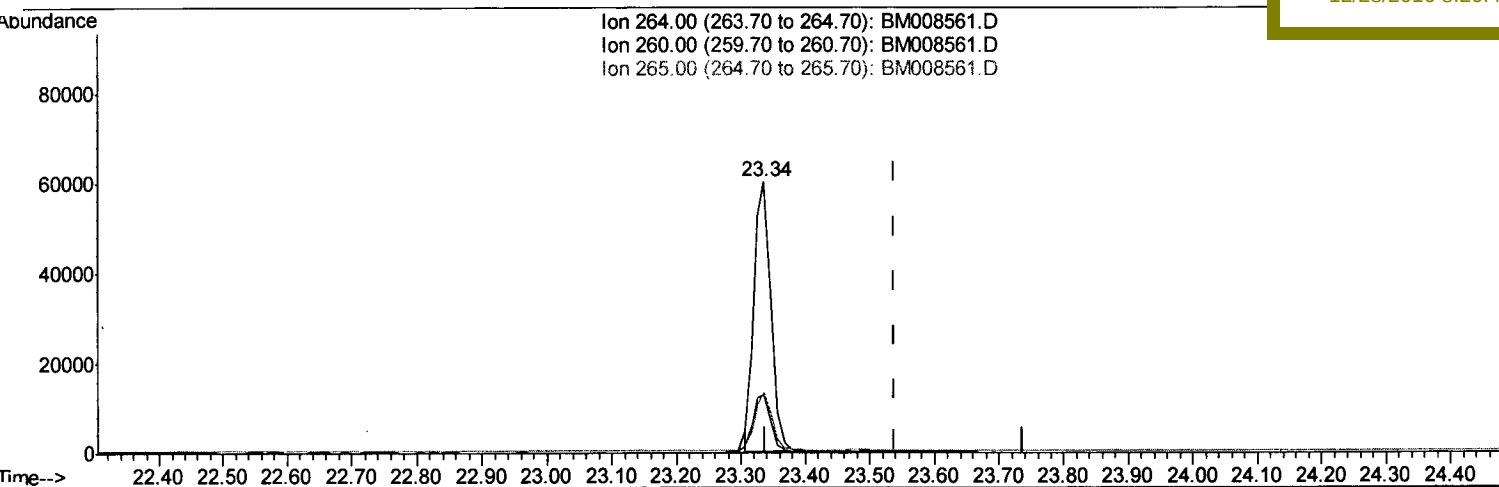
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
Data File : BM008561.D
Acq On : 22 Dec 2016 18:24
Operator : UM/SJ
Sample : H6039-19RE
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3RE

Manual Integrations
APPROVED

UMANGI
12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:11:41 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 27 15:49:02 2016
Response via : Initial Calibration



TIC: BM008561.D

(20) Perylene-d12 (I)

23.337min (-0.201) 0.40ng/ul

response 112043

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.20#
265.00	103.50	22.32#
0.00	0.00	0.00

Quantitation Report (Qedit)

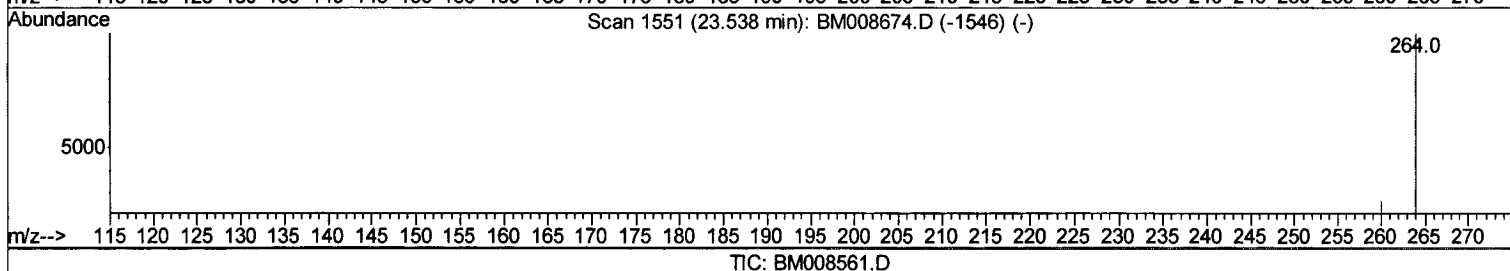
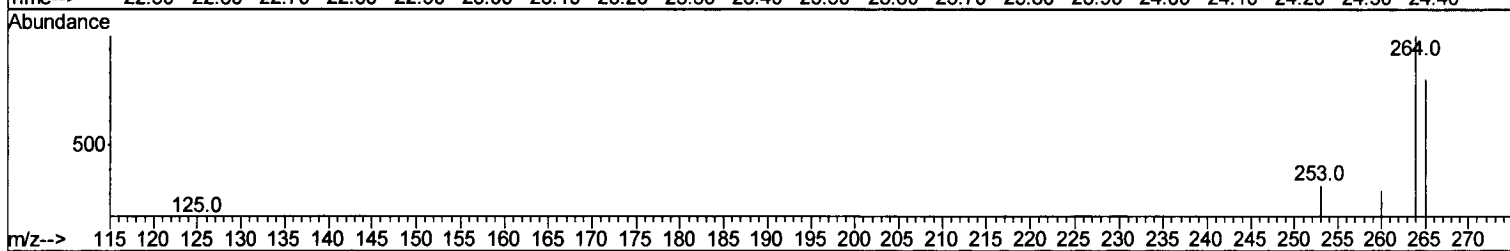
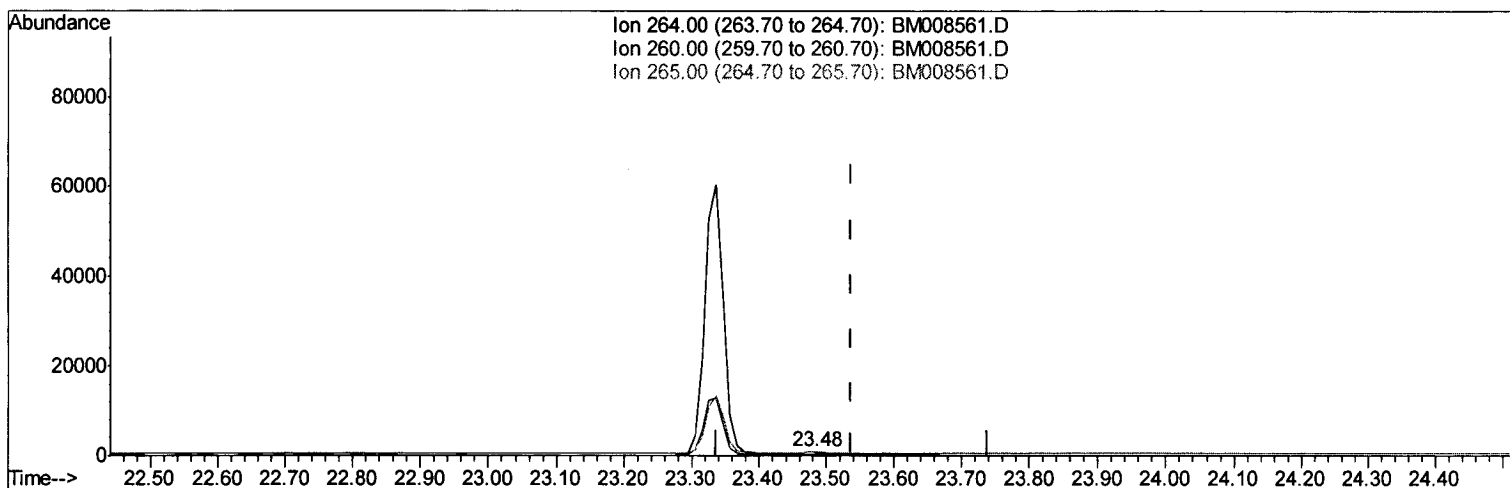
Data Path : Z:\HPCHEM1\BNA M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 DA8T3RE

Manual Integrations
 APPROVED

UMANGI
 12/28/2016 8:26:43 AM

Quant Time: Dec 28 07:11:41 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 27 15:49:02 2016
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.483min (-0.055) 0.40ng/ui m

response 1974

S. J
 12/28/16

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.64
265.00	103.50	81.07#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

Manual Integrations
 APPROVED

UMANGI
 12/28/2016 8:26:43 AM

Quant Time: Jan 03 09:20:44 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 27 15:49:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
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1) 1,4-Dichlorobenzene-d4	7.65	152	594m	0.40	ng/ul	-0.19
2) Naphthalene-d8	10.40	136	28687m	0.40	ng/ul	-0.17
6) Acenaphthene-d10	14.28	164	7051m	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.04	188	2152m	0.40	ng/ul	-0.09
16) Chrysene-d12	21.25	240	1875m	0.40	ng/ul	-0.04
20) Perylene-d12	23.48	264	1974m	0.40	ng/ul	-0.06

SJ 01/03/17

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.97	152	8122m	0.18	ng/ul	-0.21
14) Fluoranthene-d10	19.08	212	1718m	0.29	ng/ul	-0.07

SJ 01/03/17

Target Compounds

					Qvalue
3) Naphthalene	10.48	128	3713m	0.05	ng/ul
5) 2-Methylnaphthalene	12.10	142	84323m	1.55	ng/ul
8) Acenaphthene	14.35	153	11153m	0.46	ng/ul
9) Fluorene	15.36	166	17629m	0.64	ng/ul

SJ 01/03/17

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

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008561.D
Acq On : 22 Dec 2016 18:24
Operator : UM/SJ
Sample : H6039-19RE
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T3RE

Manual Integrations
APPROVED

UMANGI
12/28/2016 8:26:43 AM

Quant Time: Jan 03 09:20:44 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 27 15:49:02 2016
Response via : Initial Calibration

