

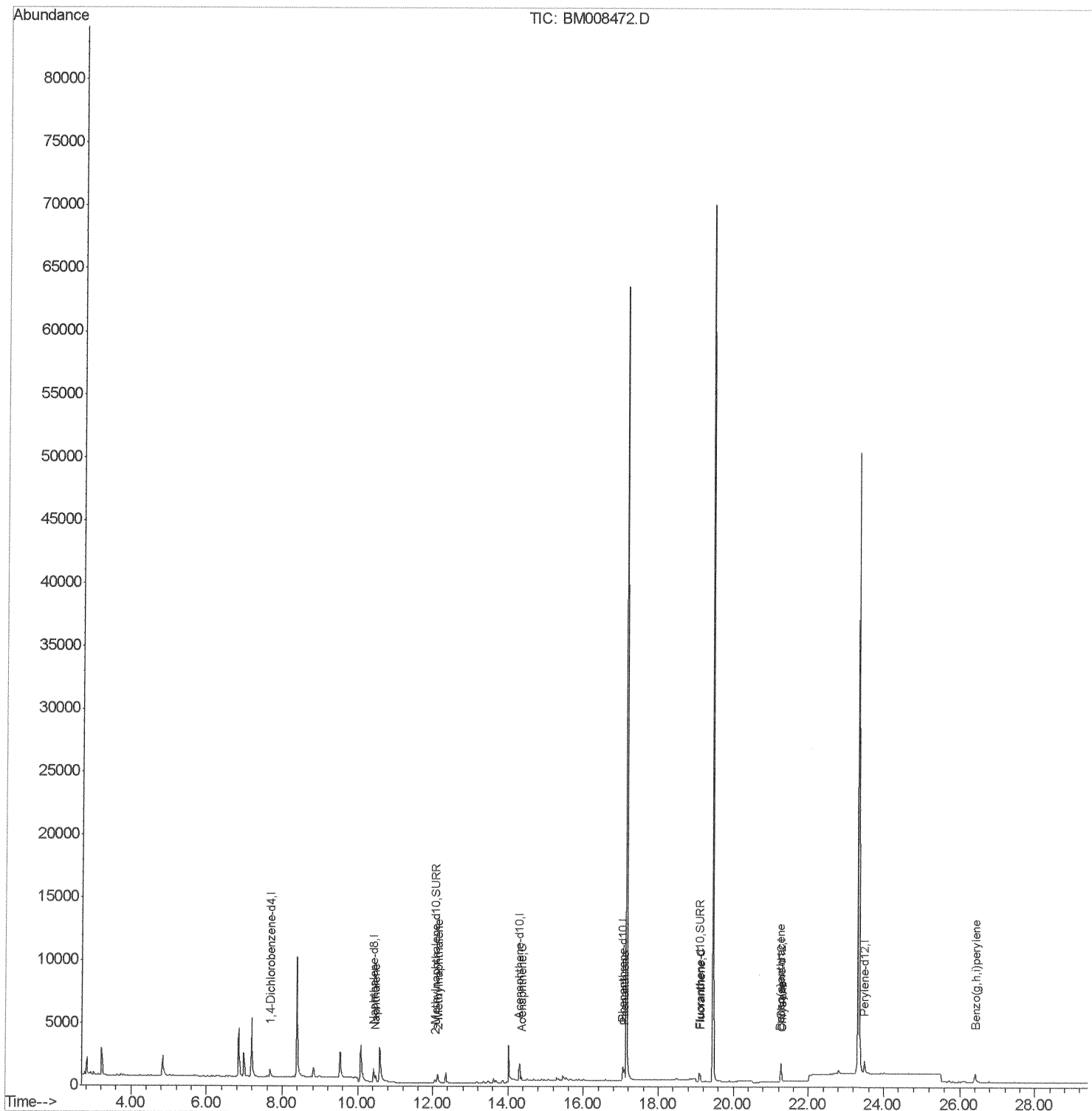
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:30:34 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 20 04:48:59 2016
Response via : Initial Calibration



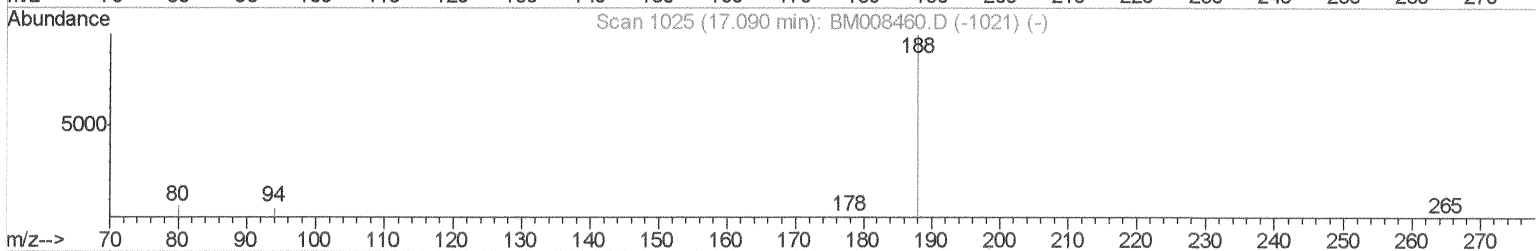
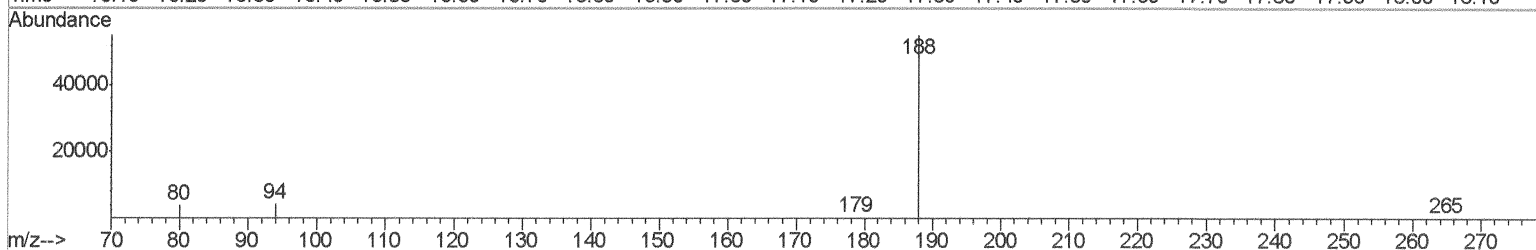
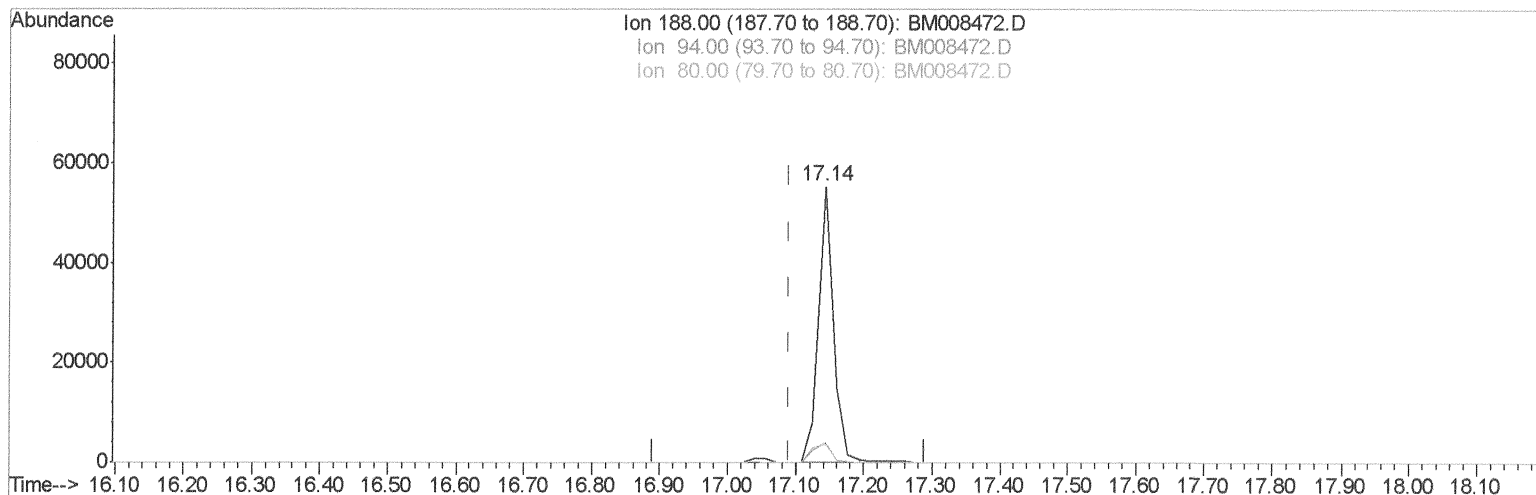
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:22:20 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

(10) Phenanthrene-d10 (I)

17.142min (+0.052) 0.40ng/ul

response 82388

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.43#
80.00	11.80	6.87#
0.00	0.00	0.00

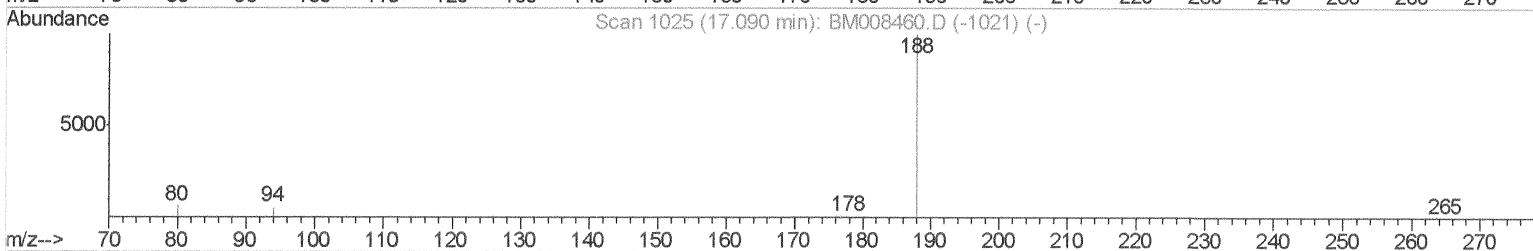
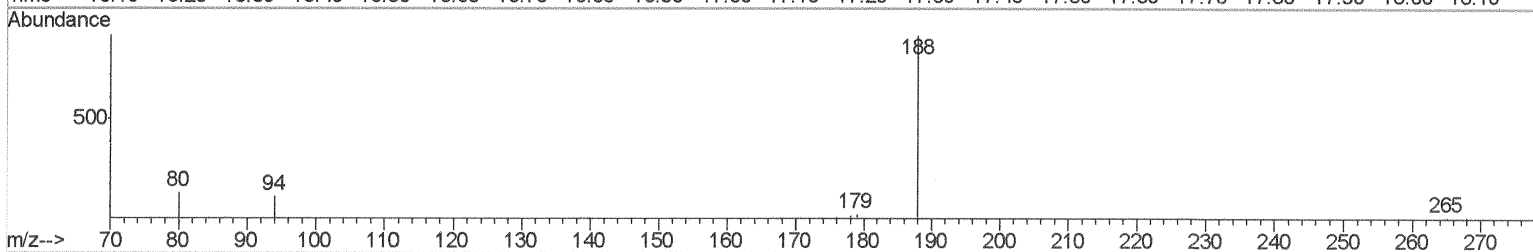
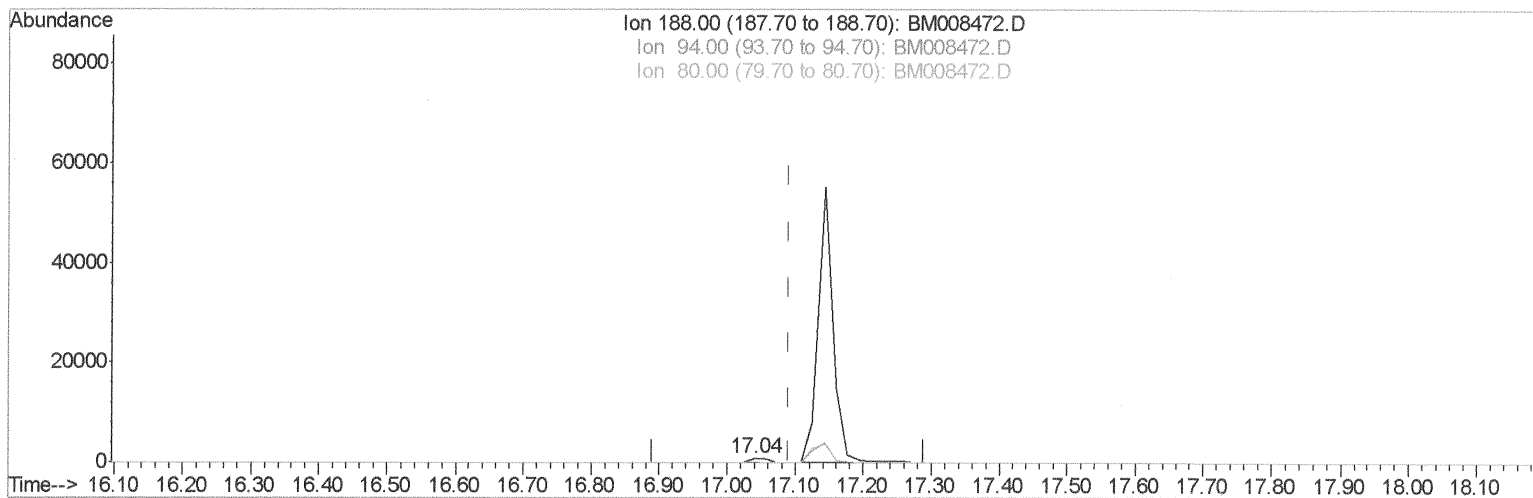
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:22:20 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

(10) Phenanthrene-d10 (I)

17.039min (-0.051) 0.40ng/ul m

SJ 12/21/16

response 1683

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	16.63#
80.00	11.80	18.67#
0.00	0.00	0.00

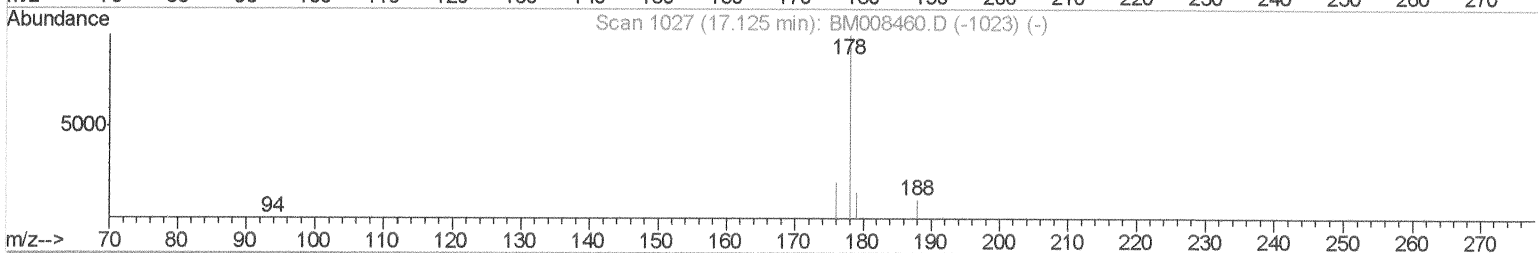
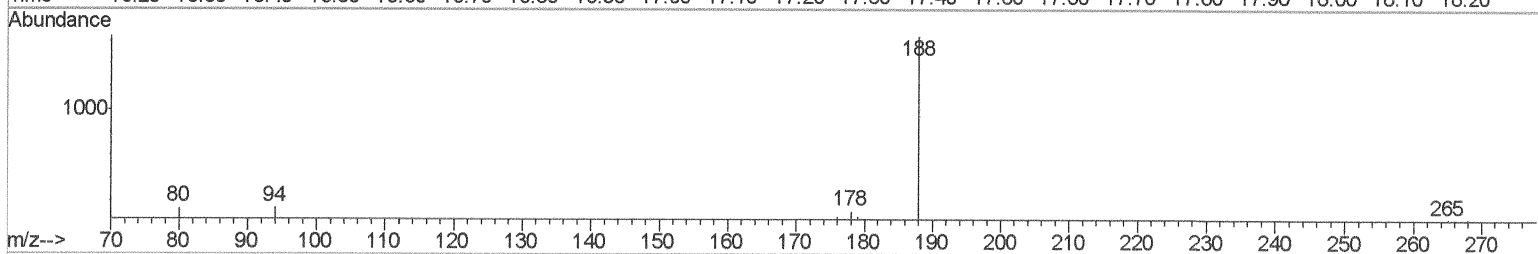
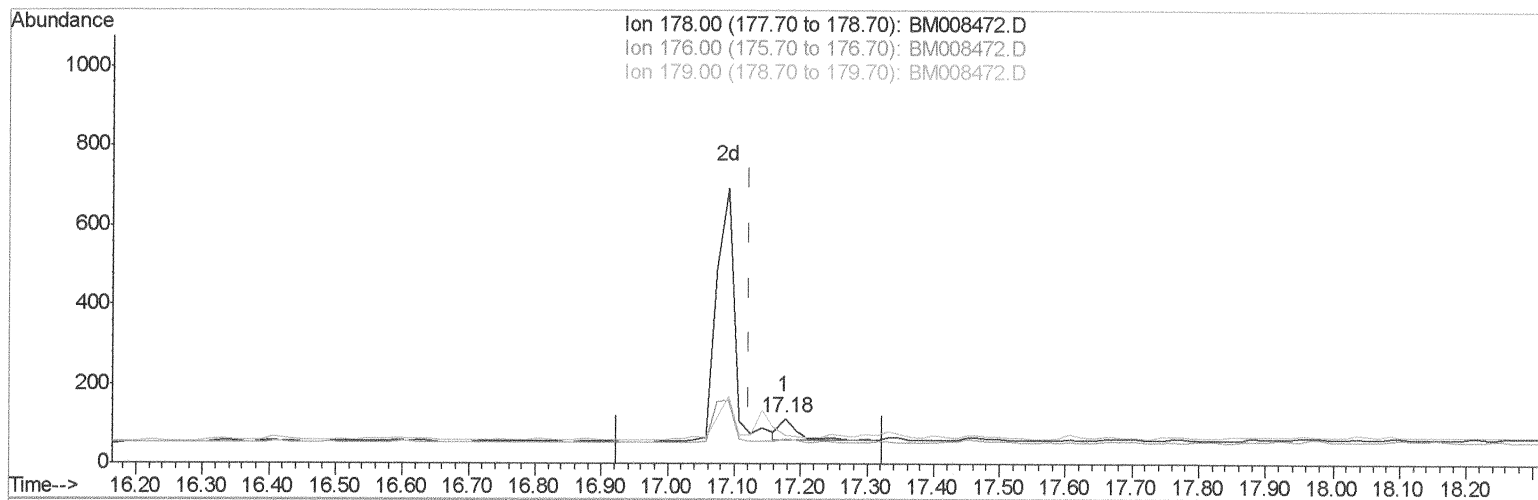
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:23:33 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

(12) Phenanthrene

17.176min (+0.052) 0.02ng/ul

response 98

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	56.14#
179.00	17.00	64.91#
0.00	0.00	0.00

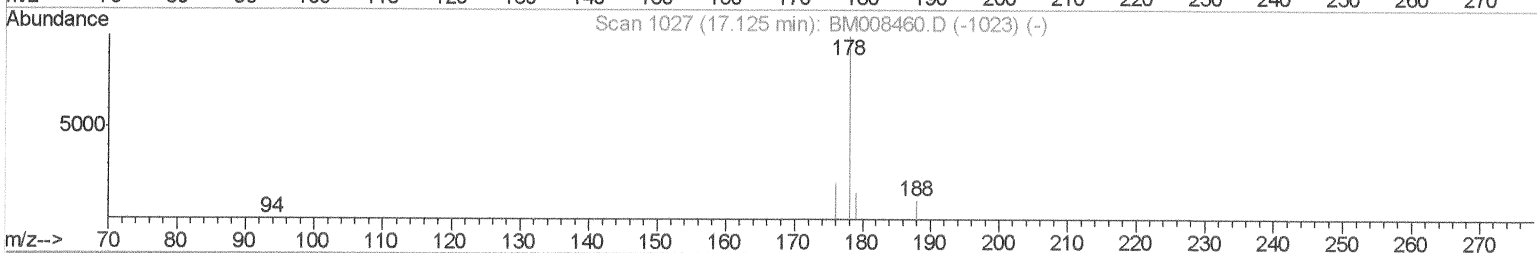
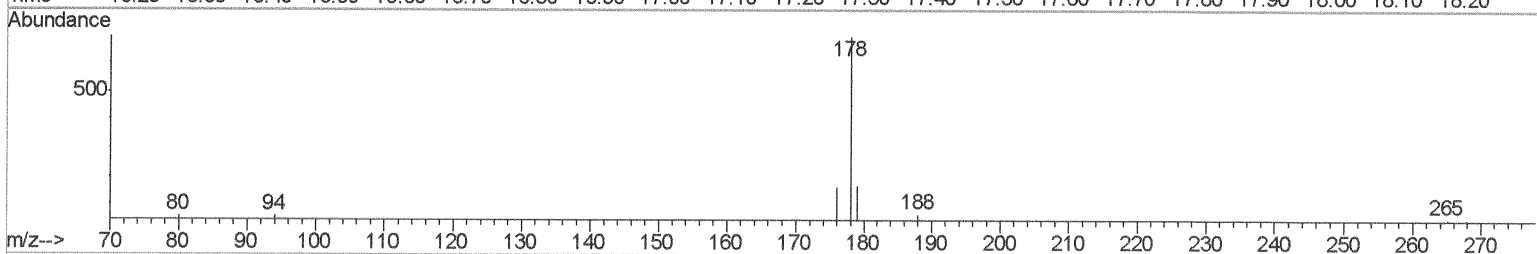
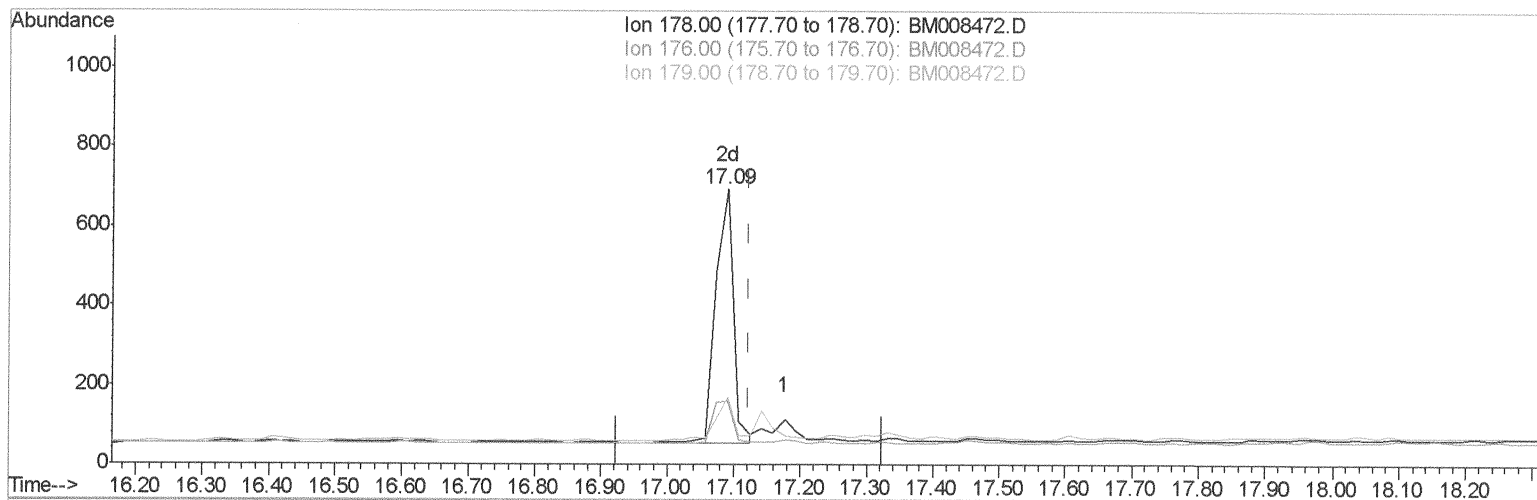
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:23:33 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

(12) Phenanthrene

17.090min (-0.034) 0.23ng/ul m

SJ 12/21/16

response 1203

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	23.20
179.00	17.00	24.35#
0.00	0.00	0.00

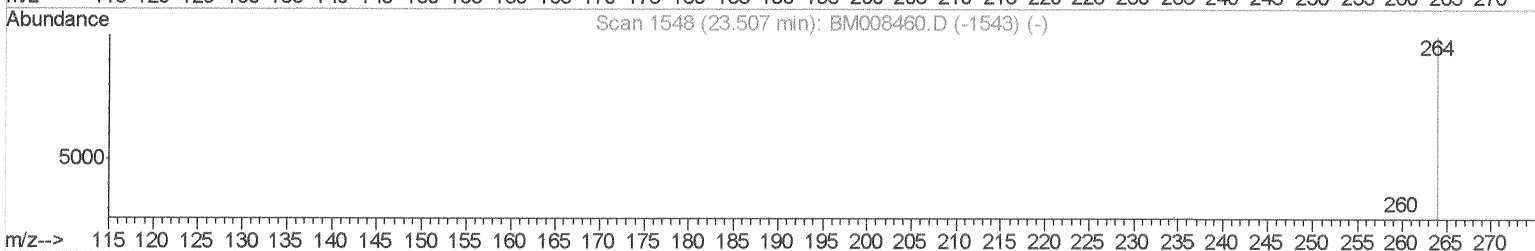
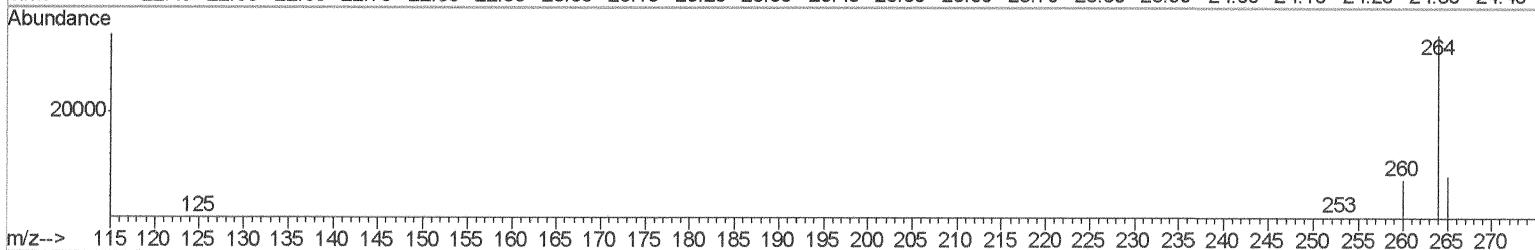
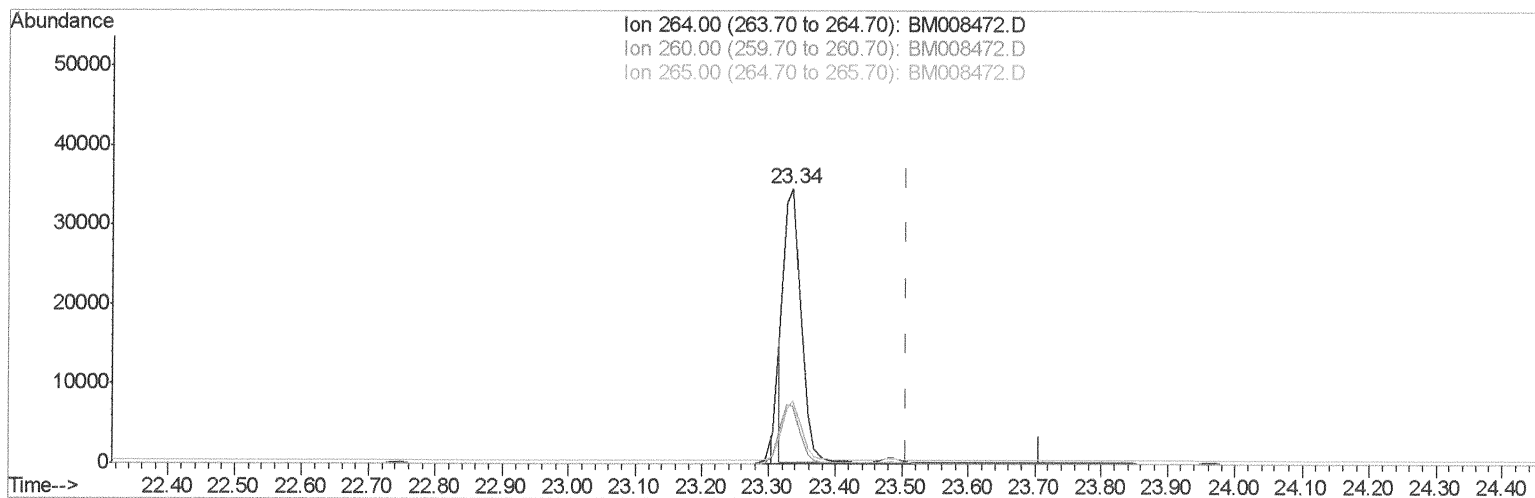
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:23:33 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

(20) Perylene-d12 (I)

23.337min (-0.170) 0.40ng/ul

response 59567

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.92#
265.00	103.50	23.00#
0.00	0.00	0.00

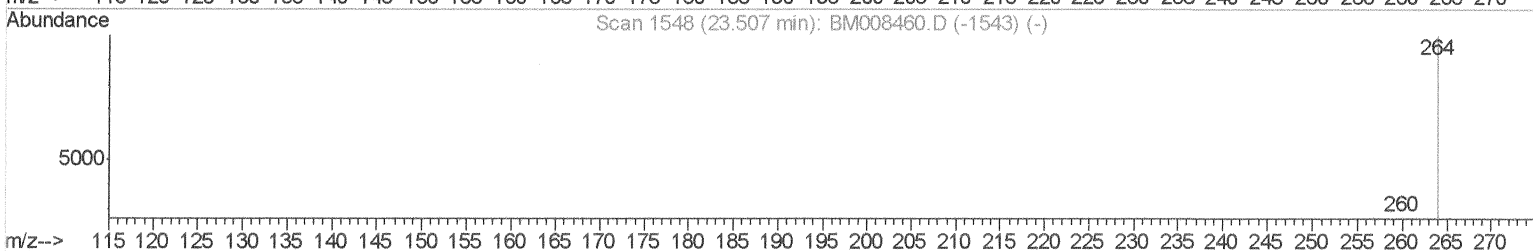
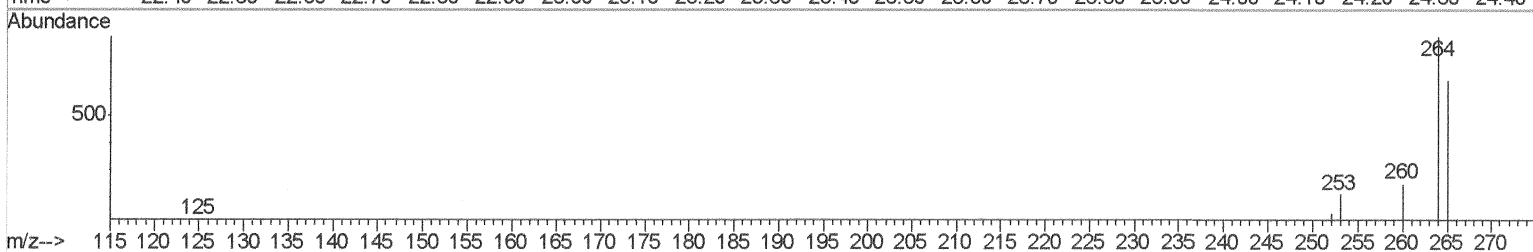
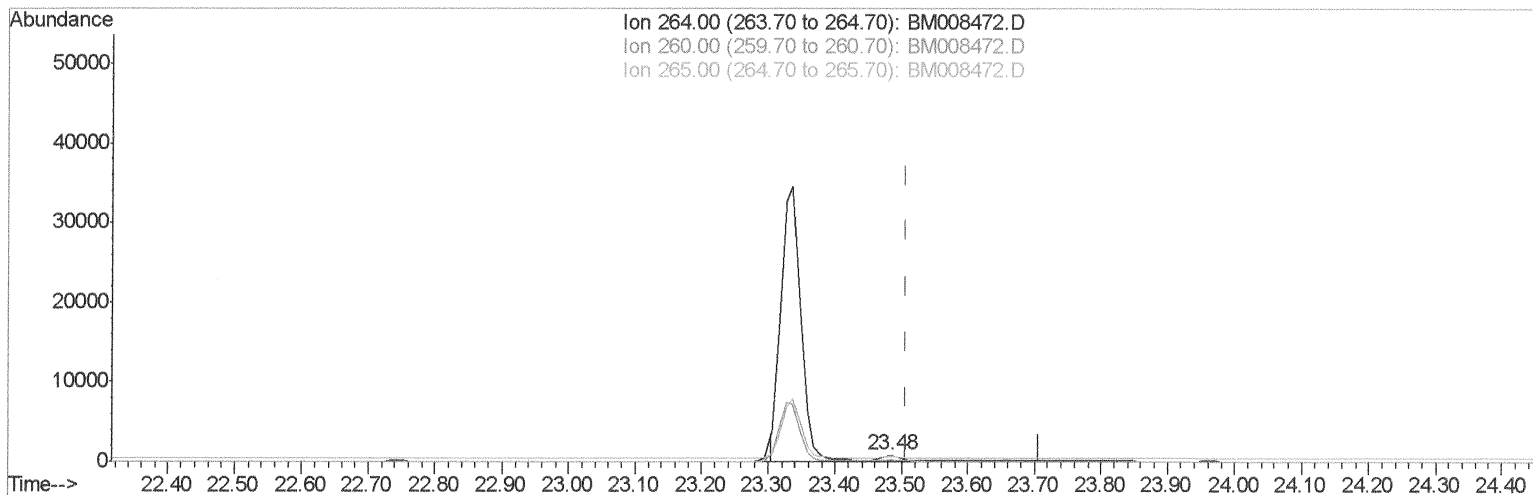
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:23:33 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

(20) Perylene-d12 (I)

23.483min (-0.024) 0.40ng/ul m SJ 12/21/16

response 1214

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.48
265.00	103.50	79.39#
0.00	0.00	0.00

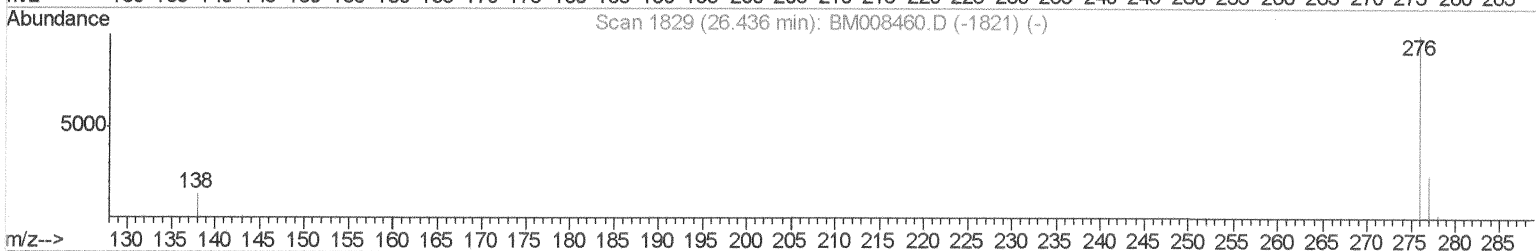
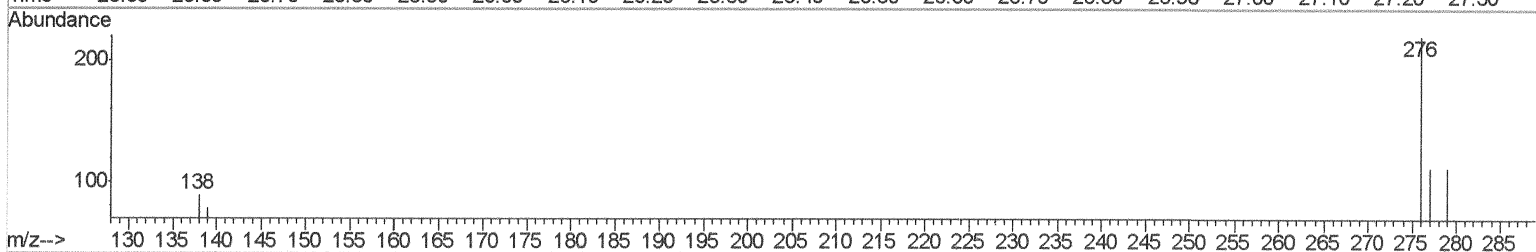
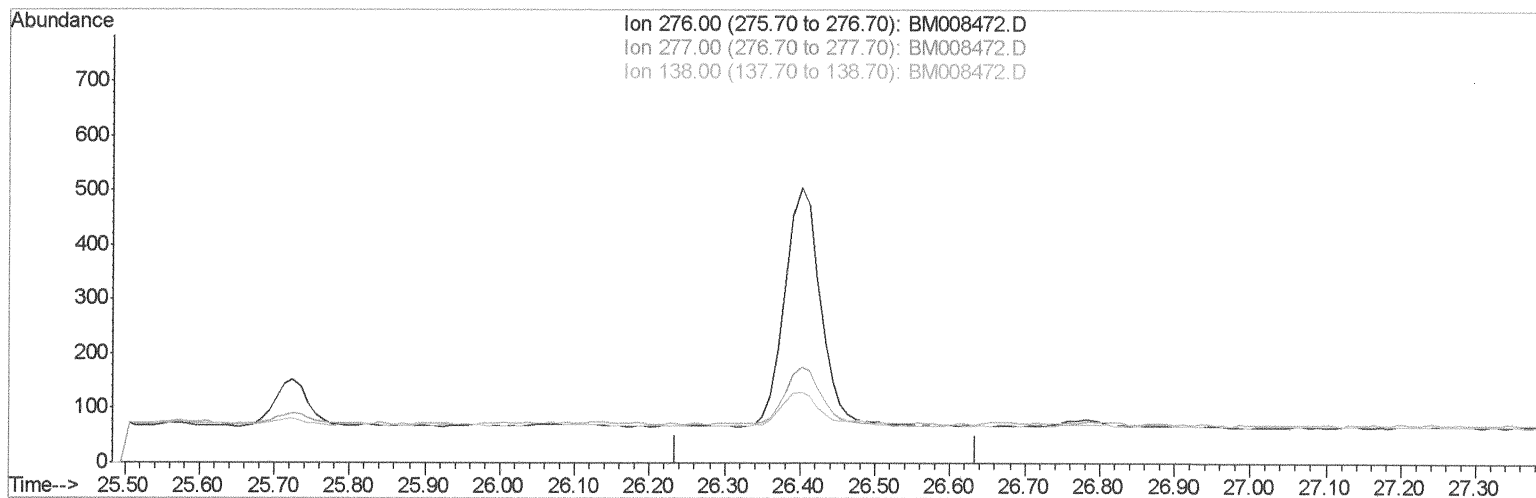
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:26:19 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

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

26.436min (-26.436) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	27.30	0.00#
138.00	25.60	0.00#
0.00	0.00	0.00

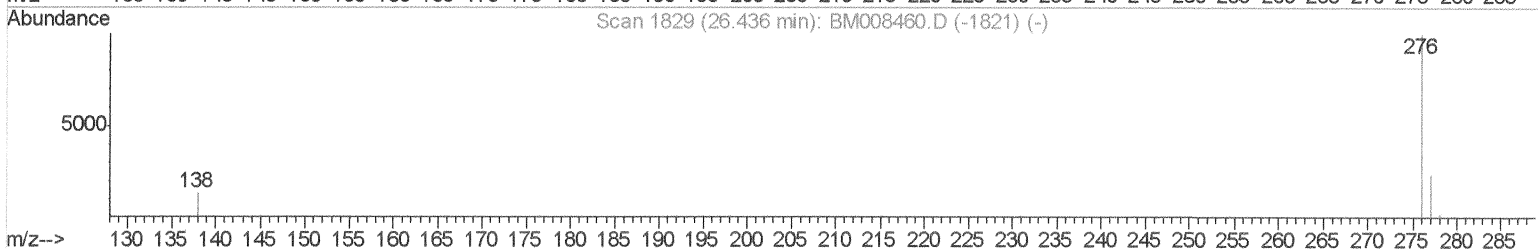
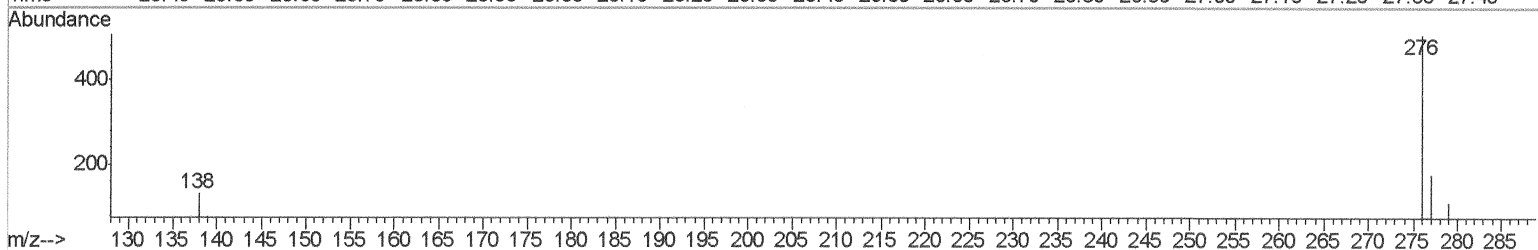
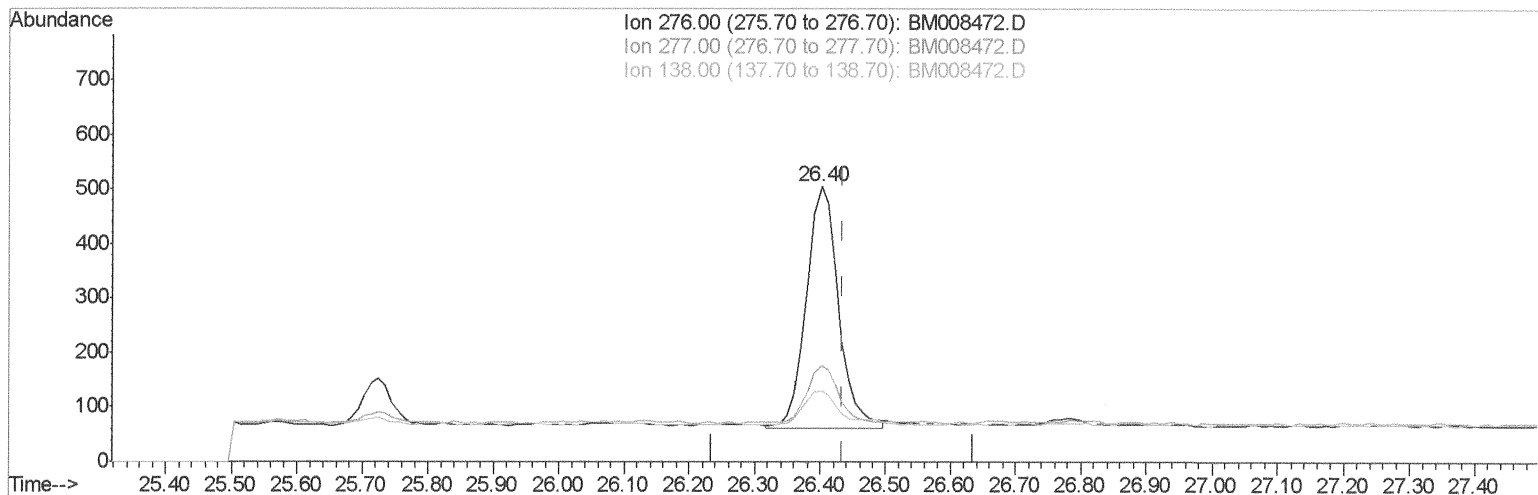
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008472.D
Acq On : 20 Dec 2016 10:09
Operator : UM/SJ
Sample : H5970-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA857

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:26:19 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 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008472.D

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

26.401min (-0.035) 0.33ng/ul m

SJ 12/21/16

response 1508

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	34.85#
138.00	25.60	25.94
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008472.D
 Acq On : 20 Dec 2016 10:09
 Operator : UM/SJ
 Sample : H5970-18
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA857

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:31:59 PM

Quant Time: Dec 20 14:30:34 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 20 04:48:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	439	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.43	136	1492	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.30	164	887	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1683m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.26	240	1533	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1214m	0.40	ng/ul	-0.02

} SJ 12/21/16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.05	152	457	0.20	ng/ul	-0.05
14) Fluoranthene-d10	19.08	212	1035	0.22	ng/ul	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	792	0.19	ng/ul#	84
5) 2-Methylnaphthalene	12.12	142	687	0.24	ng/ul	100
8) Acenaphthene	14.35	153	161	0.05	ng/ul#	90
12) Phenanthrene	17.09	178	1203m	0.23	ng/ul	
15) Fluoranthene	19.12	202	555	0.09	ng/ul	78
18) Benzo(a)anthracene	21.24	228	368	0.07	ng/ul#	57
19) Chrysene	21.29	228	443	0.08	ng/ul#	61
26) Benzo(g,h,i)perylene	26.40	276	1508m	0.33	ng/ul	

} SJ 12/21/16

} SJ 12/21/16

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