

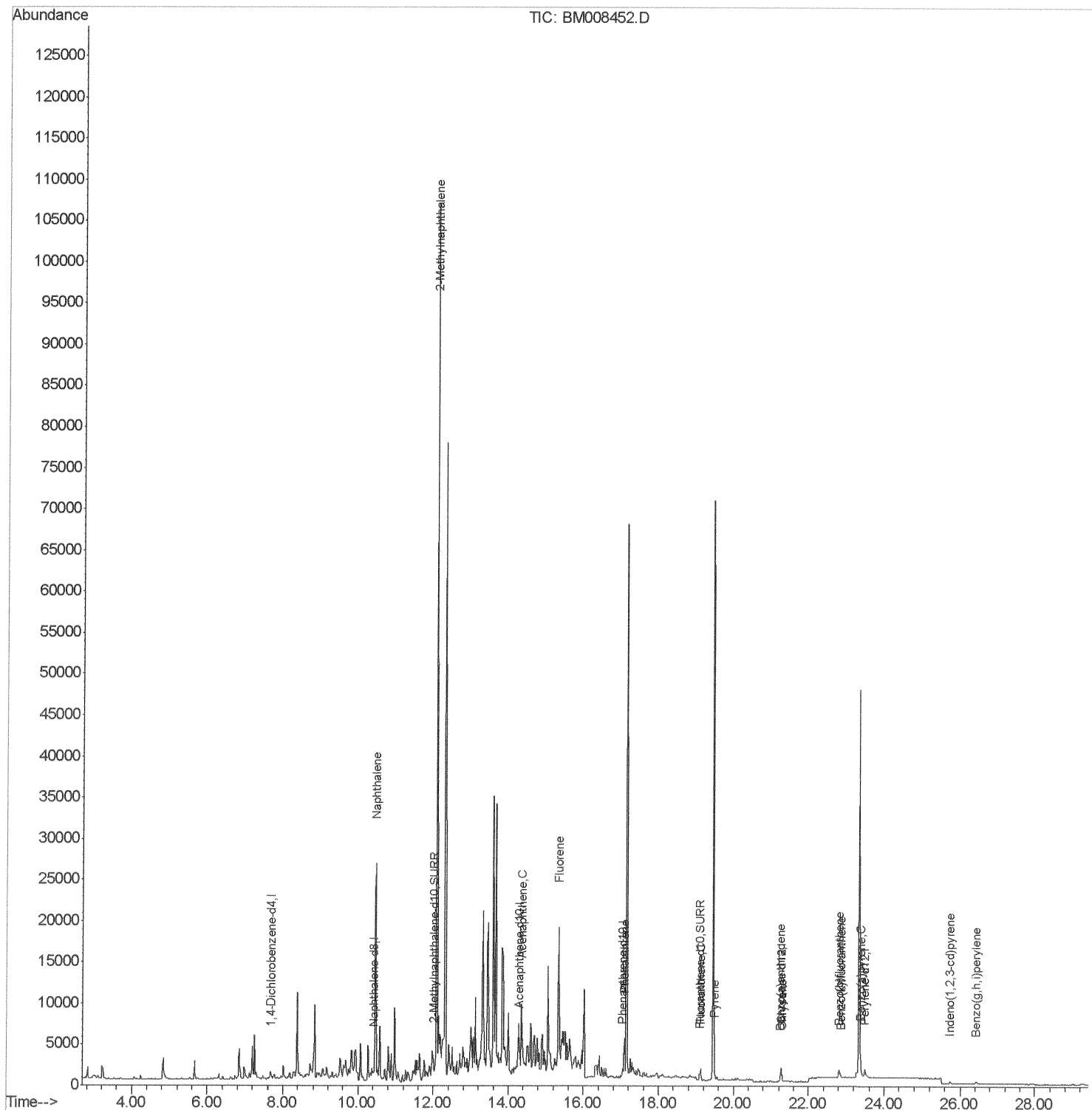
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:30:39 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



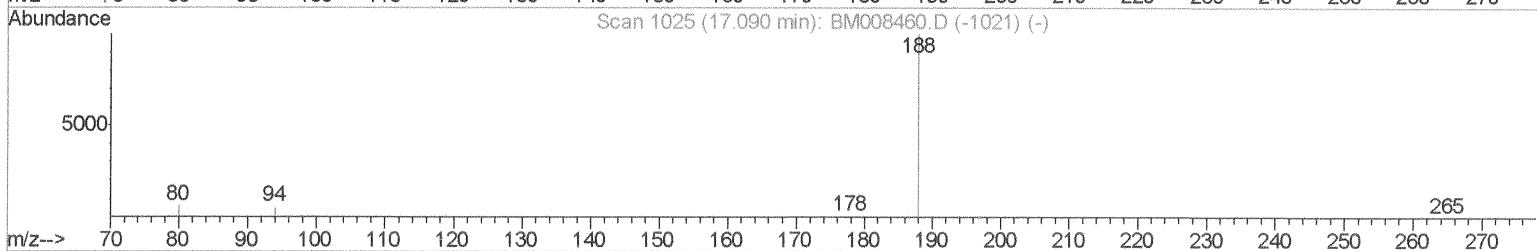
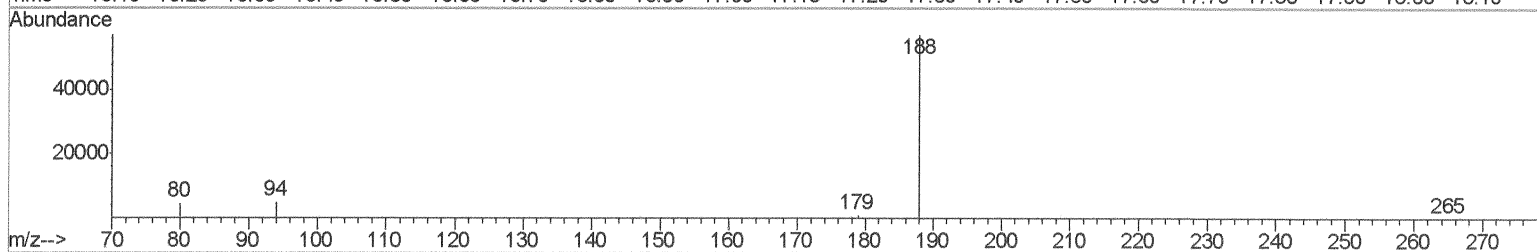
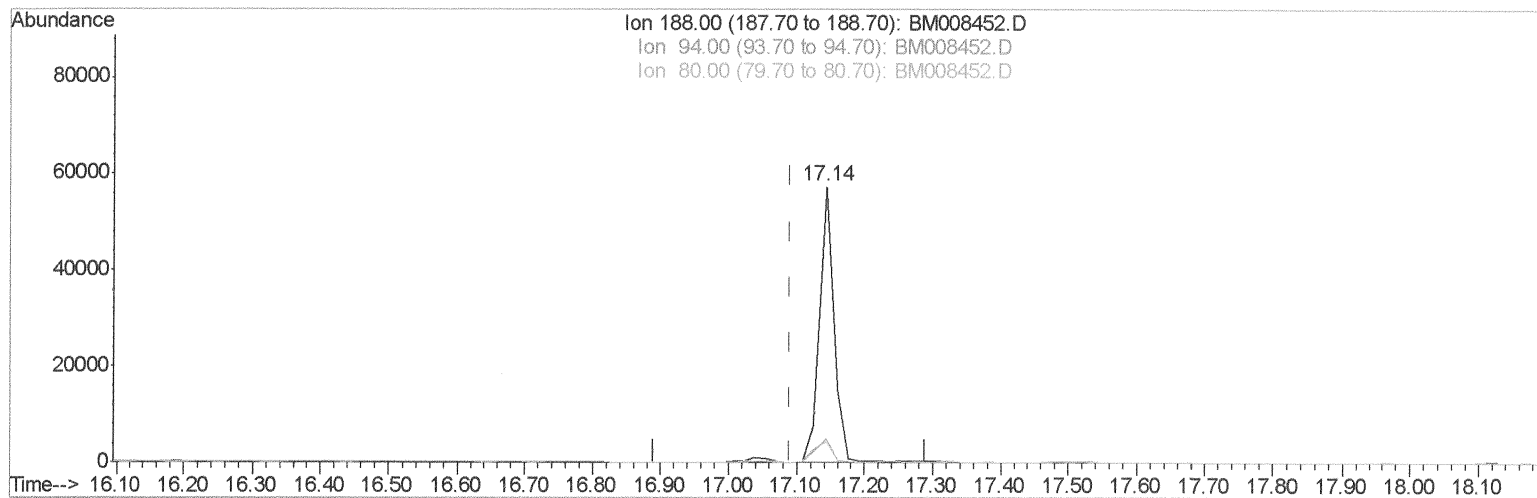
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
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Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:24:17 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: BM008452.D

(10) Phenanthrene-d10 (I)

17.142min (+0.051) 0.40ng/ui

response 82369

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.54#
80.00	11.80	7.75#
0.00	0.00	0.00

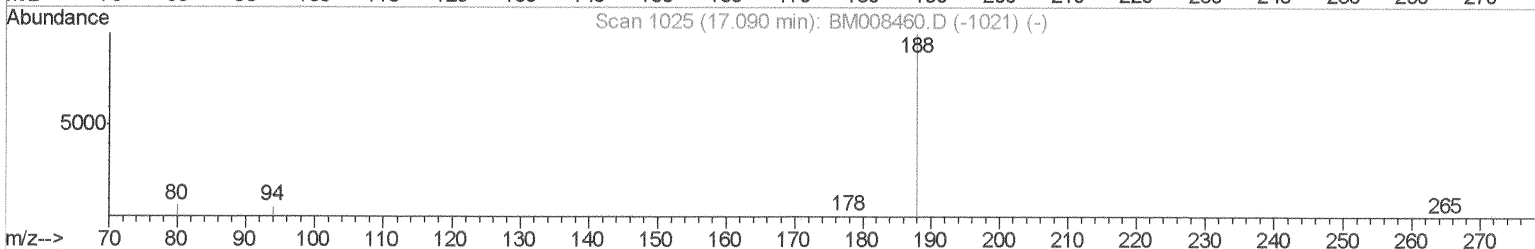
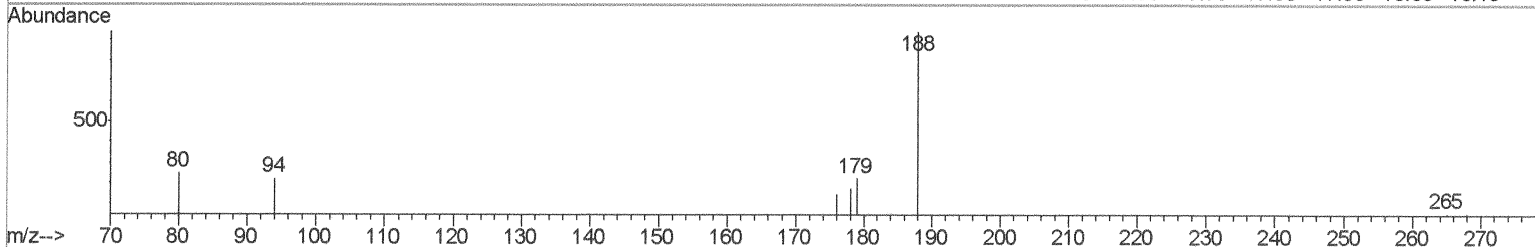
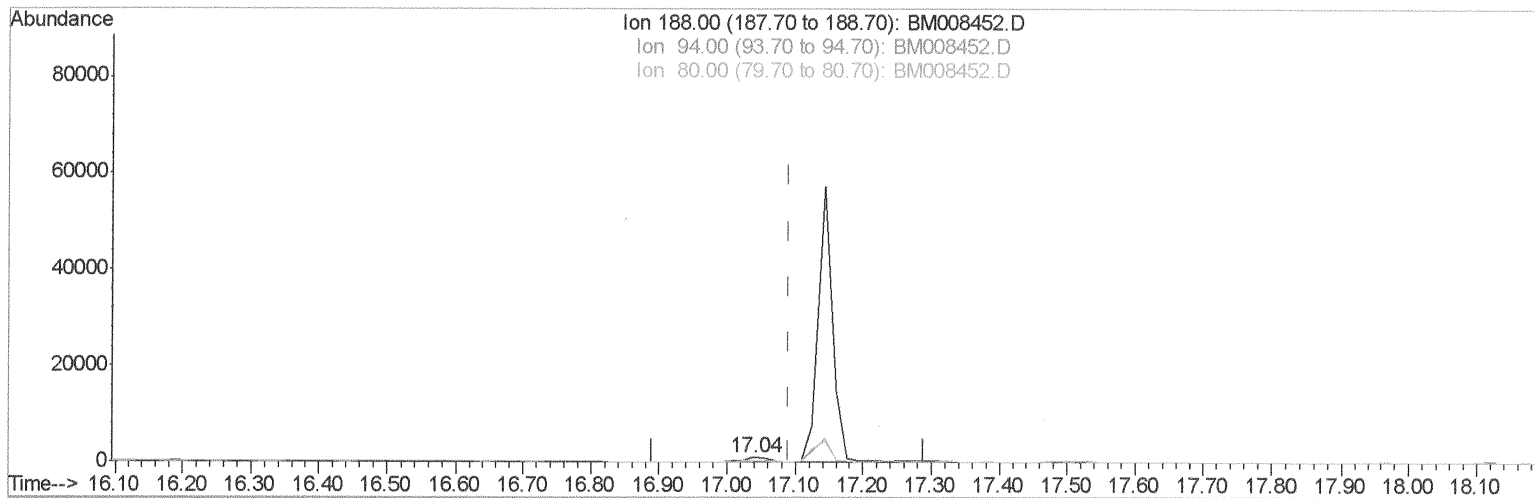
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
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Instrument :
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Manual Integrations
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Quant Time: Dec 20 12:24:17 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Tue Dec 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008452.D

(10) Phenanthrene-d10 (I)

17.039min (-0.051) 0.40ng/ul m

SJ 12/21/16

response 1775

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	23.30#
80.00	11.80	26.38#
0.00	0.00	0.00

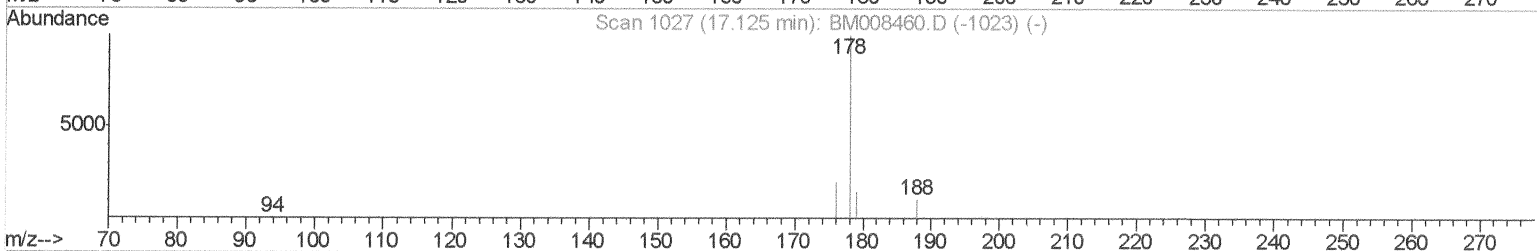
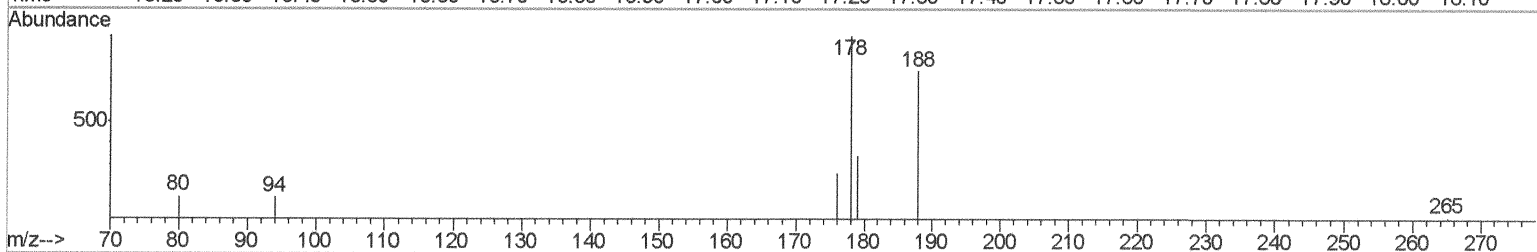
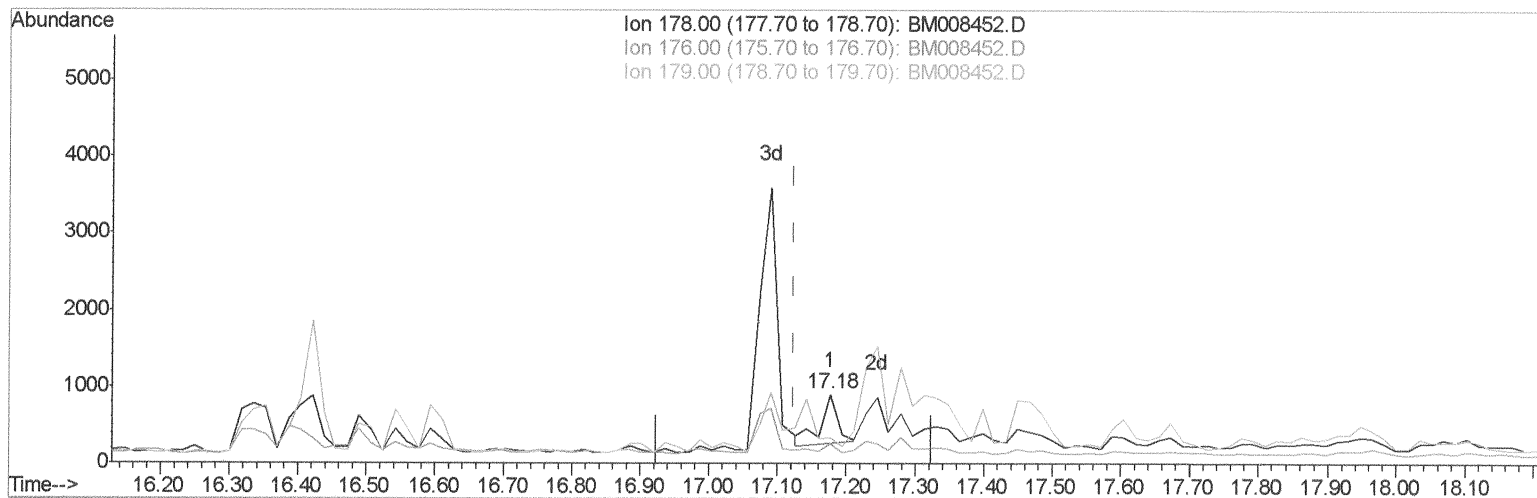
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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Quant Time: Dec 20 12:25:39 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: BM008452.D

(12) Phenanthrene

17.176min (+0.051) 0.20ng/ul

response 1090

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	29.06#
179.00	17.00	37.79#
0.00	0.00	0.00

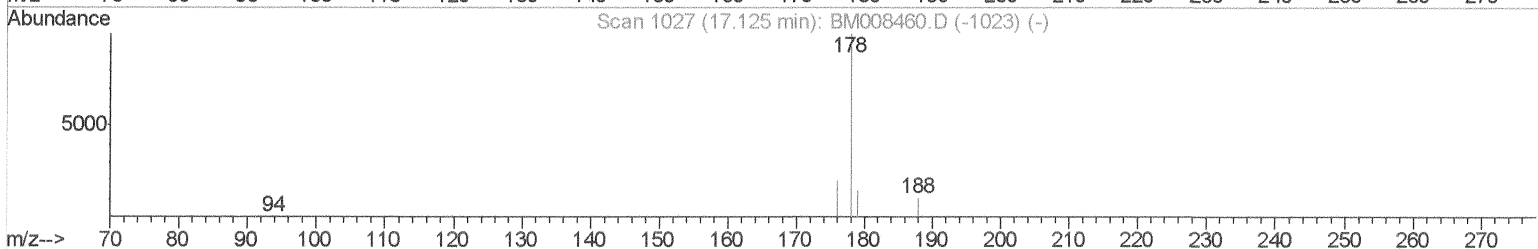
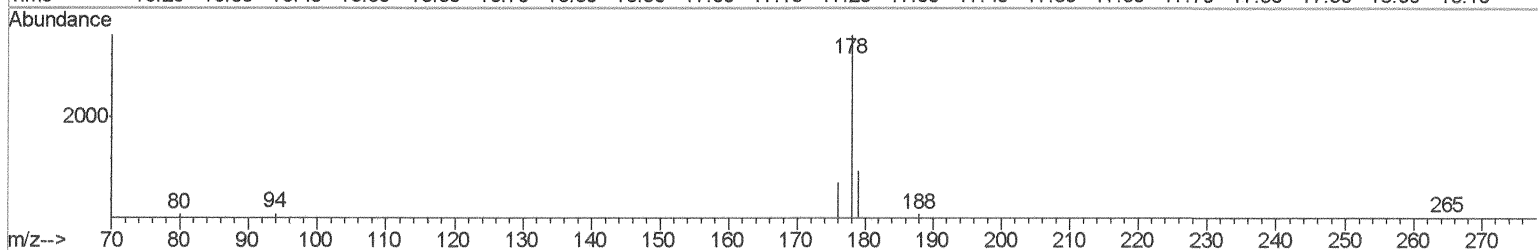
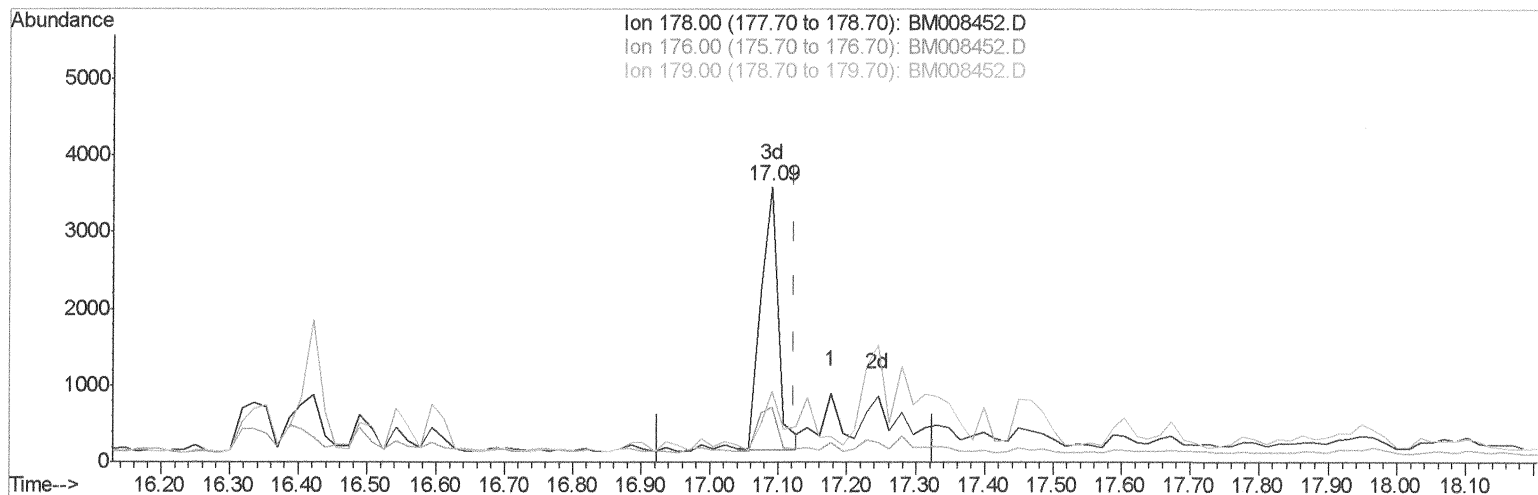
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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Quant Time: Dec 20 12:25:39 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Tue Dec 20 04:48:59 2016
Response via : Initial Calibration



TIC: BM008452.D

(12) Phenanthrene

17.090min (-0.034) 1.15ng/ul m

SJ 12/21/16

response 6246

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	20.12
179.00	17.00	26.08#
0.00	0.00	0.00

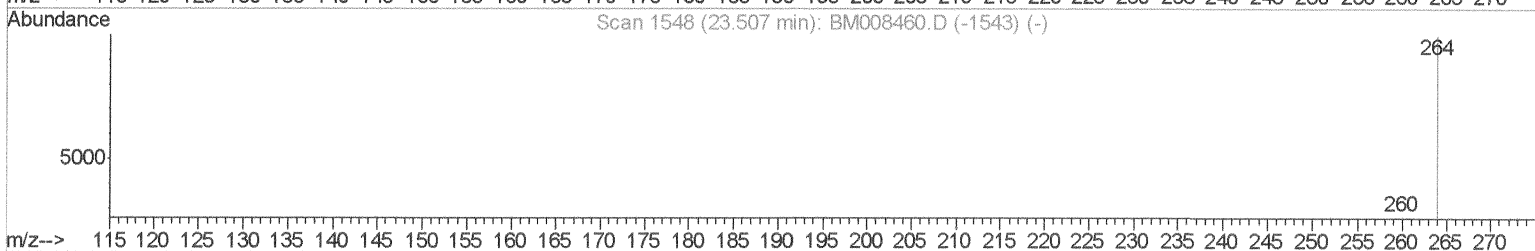
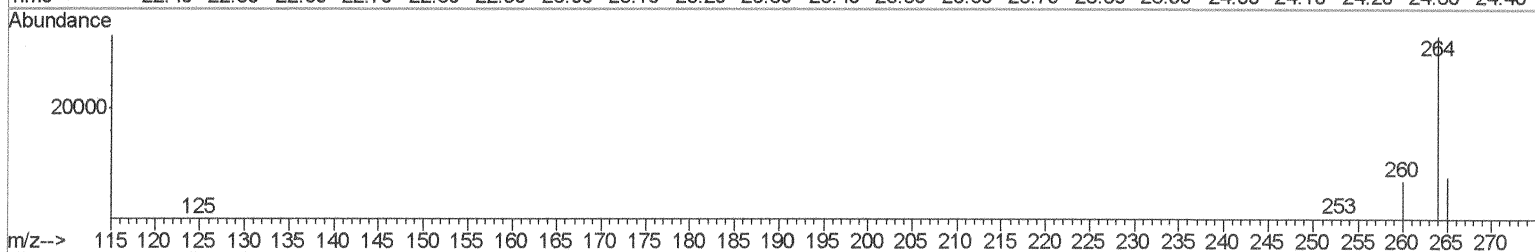
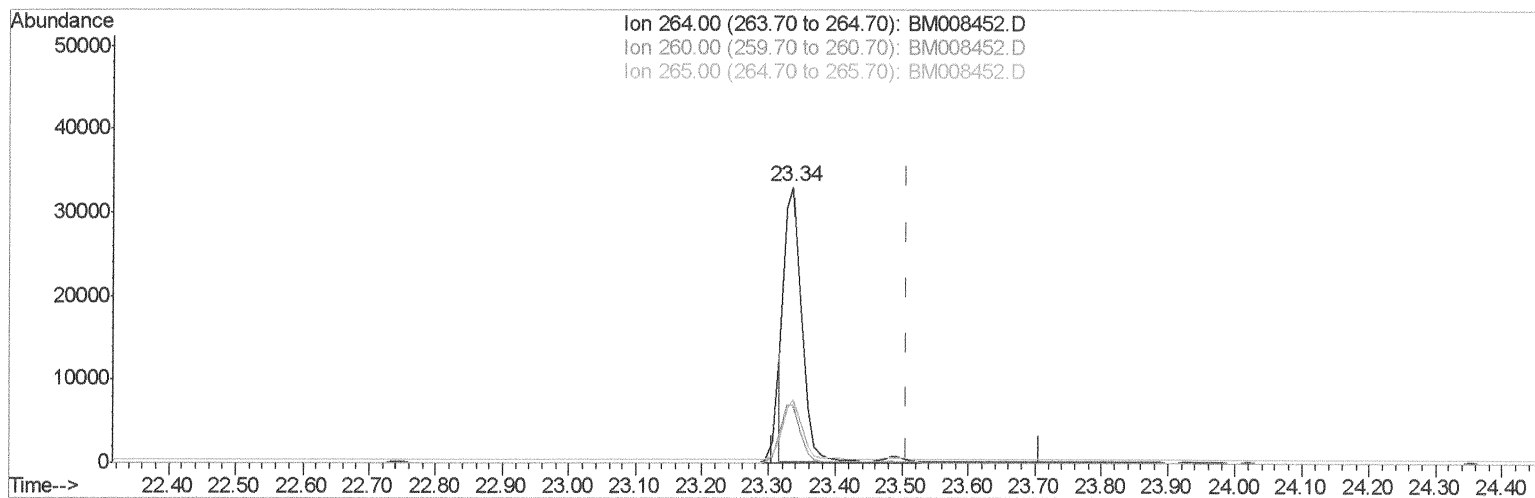
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
APPROVED

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Quant Time: Dec 20 12:25:39 2016
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TIC: BM008452.D

(20) Perylene-d12 (I)

23.337min (-0.170) 0.40ng/ul

response 56998

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.77#
265.00	103.50	23.09#
0.00	0.00	0.00

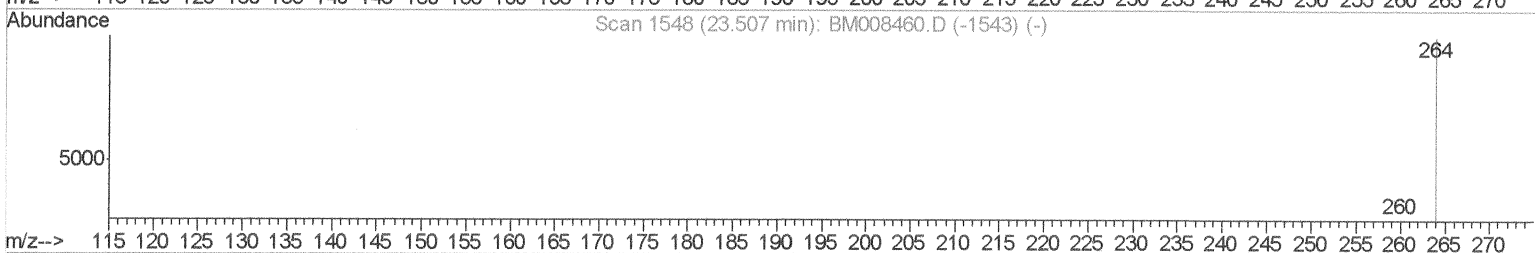
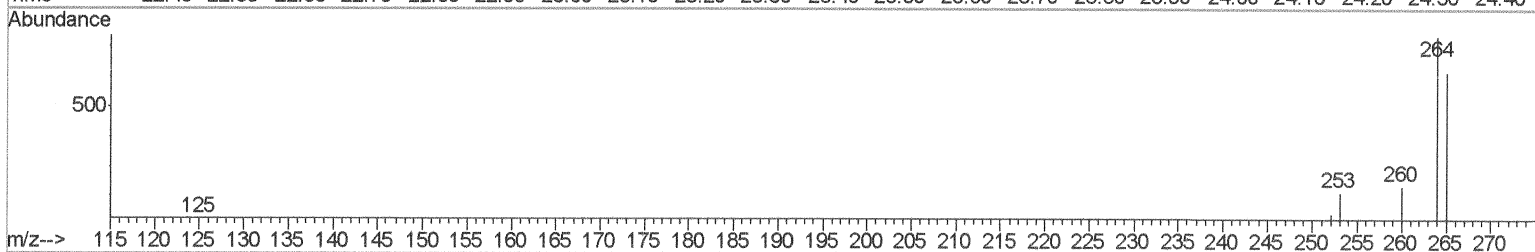
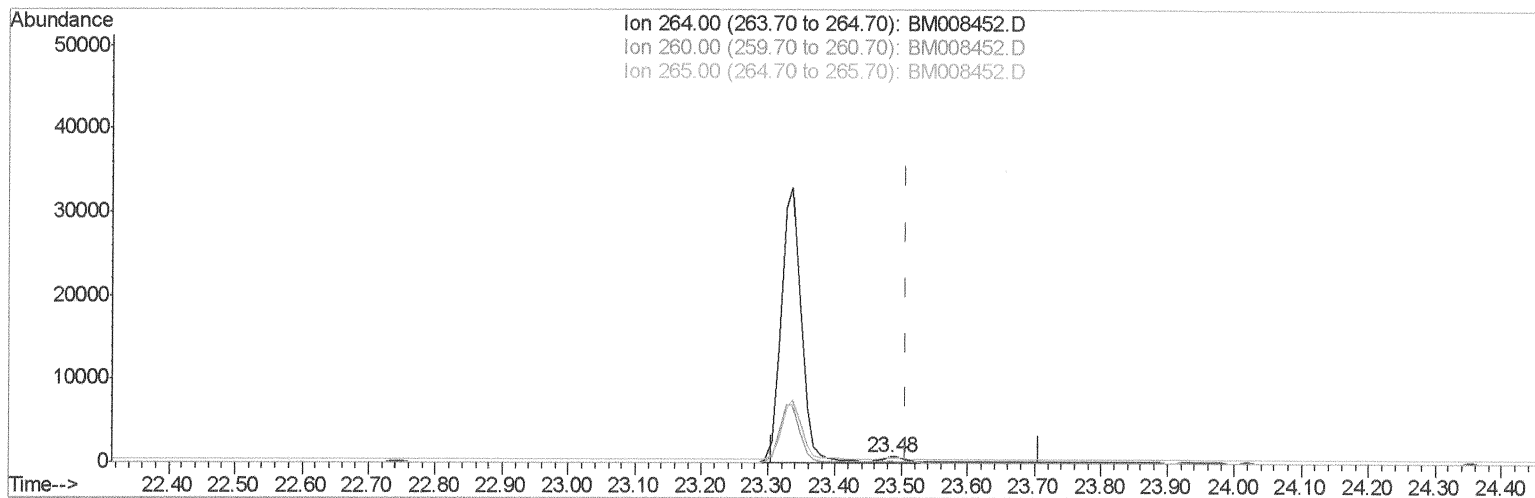
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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Quant Time: Dec 20 12:25:39 2016
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Response via : Initial Calibration



TIC: BM008452.D

(20) Perylene-d12 (I)

23.482min (-0.024) 0.40ng/ul m

SJ 12/21/16

response 1089

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.07
265.00	103.50	83.63
0.00	0.00	0.00

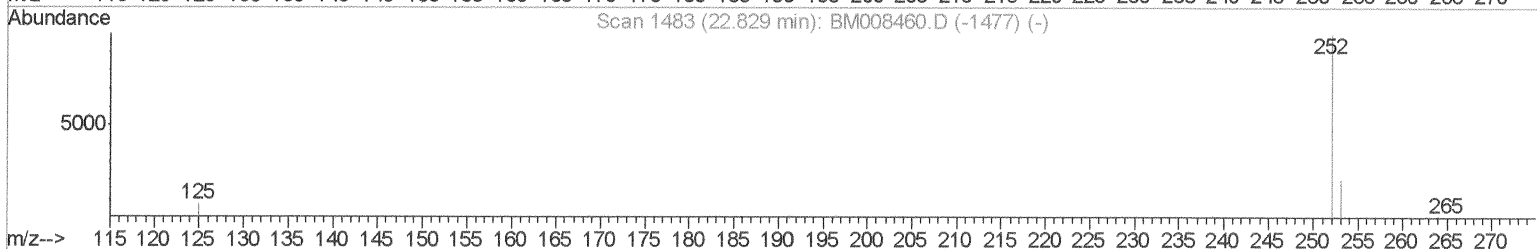
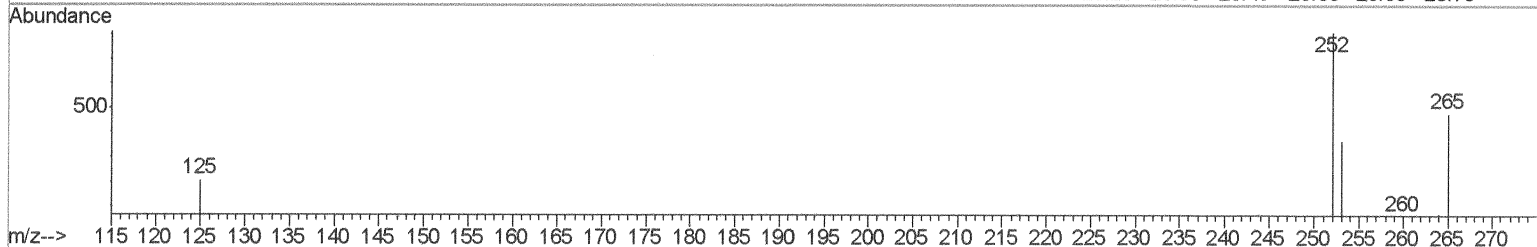
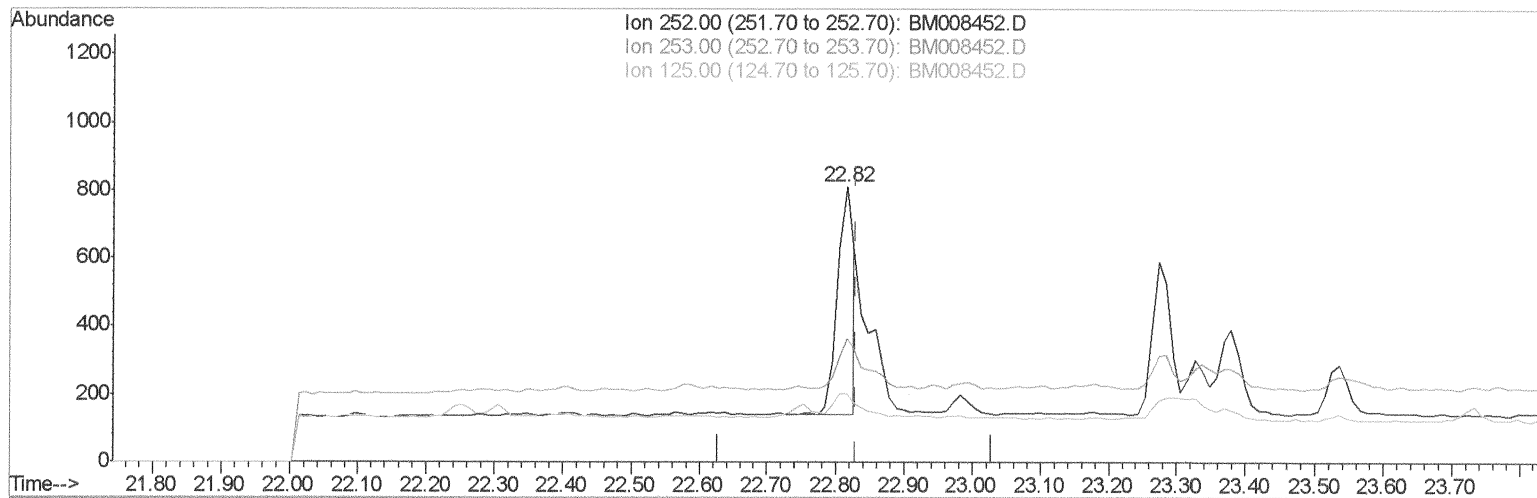
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 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: BM008452.D

(21) Benzo(b)fluoranthene
22.815min (-0.014) 0.27ng/ul
response 1143

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	45.19
125.00	17.50	25.19
0.00	0.00	0.00

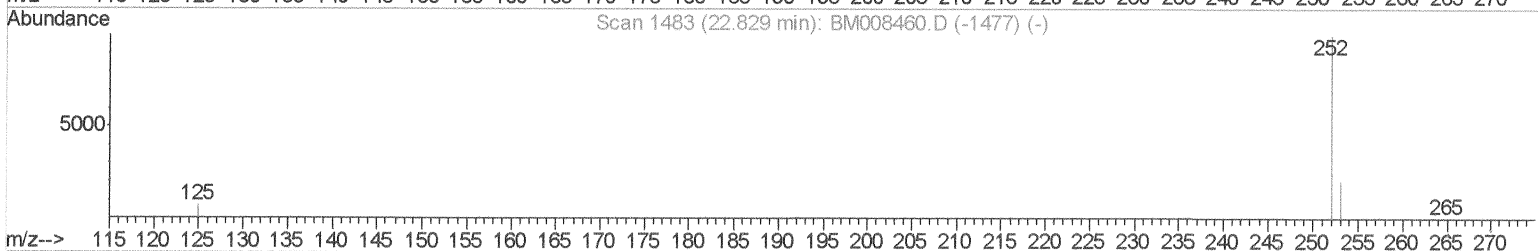
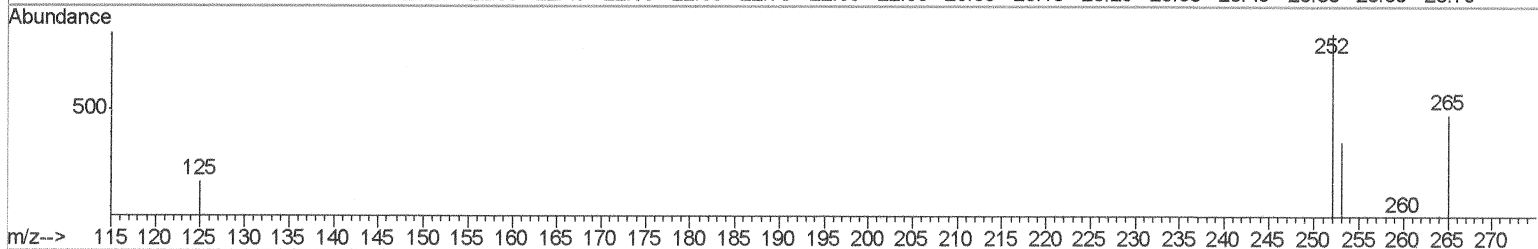
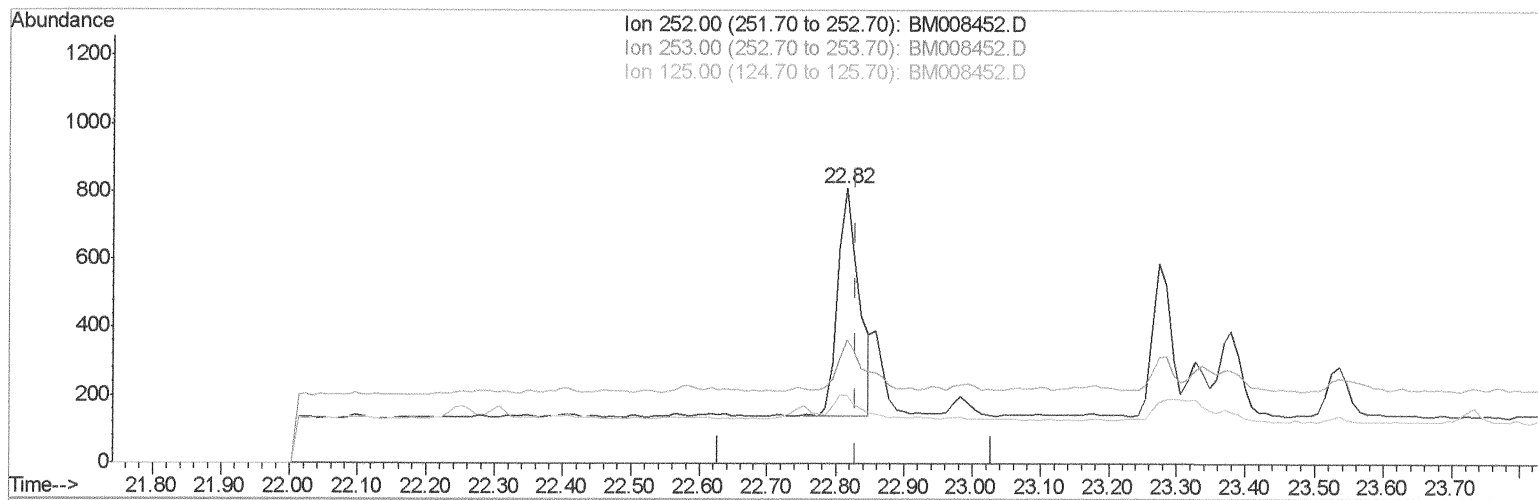
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
DA827

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 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: BM008452.D

(21) Benzo(b)fluoranthene

22.815min (-0.014) 0.34ng/ul m

SJ 12/21/16

response 1473

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	45.19
125.00	17.50	25.19
0.00	0.00	0.00

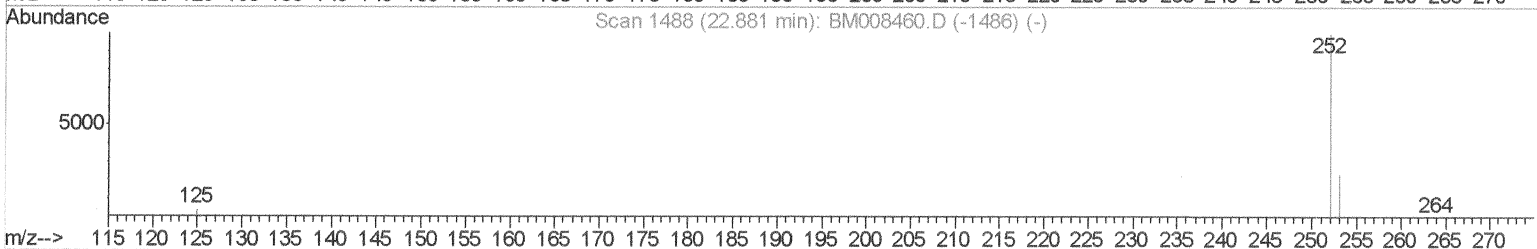
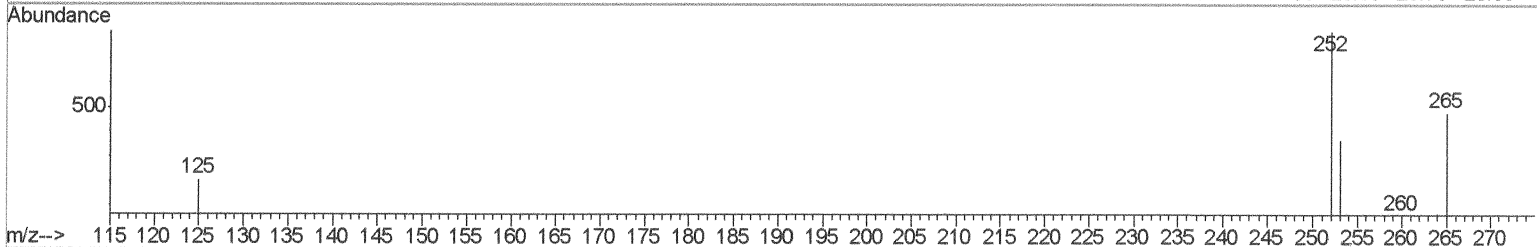
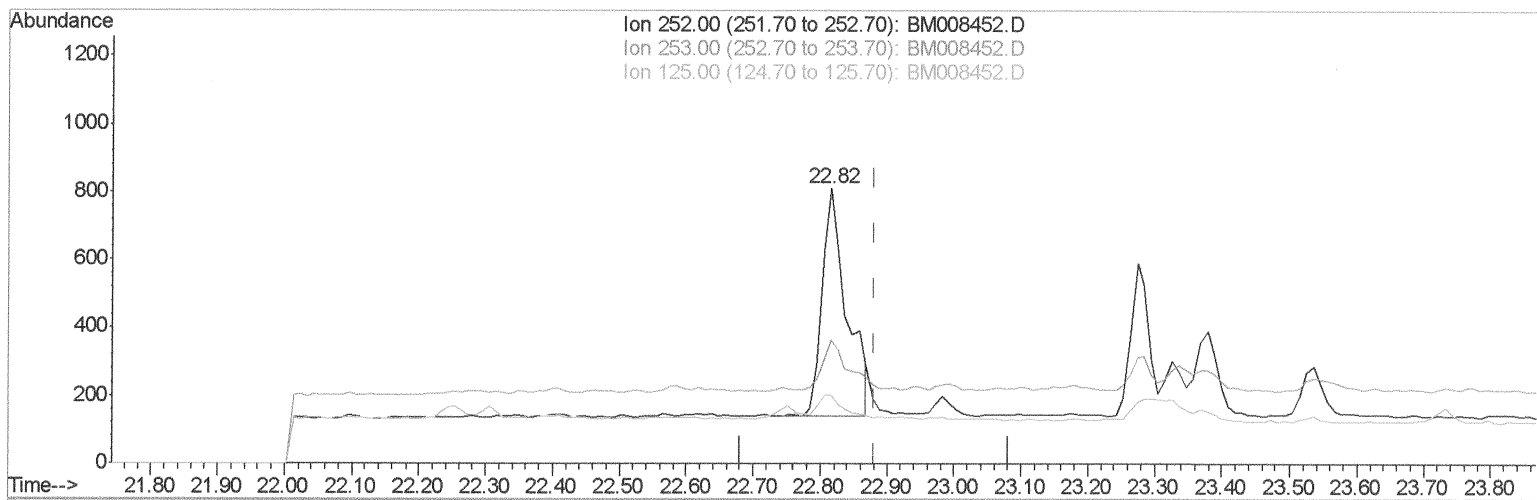
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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Response via : Initial Calibration



TIC: BM008452.D

(22) Benzo(k)fluoranthene

22.815min (-0.066) 0.41ng/ui

response 1724

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	45.19#
125.00	17.10	25.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

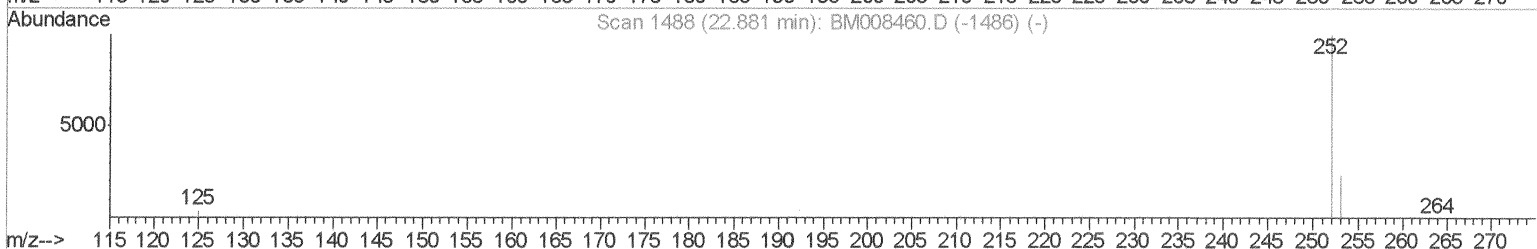
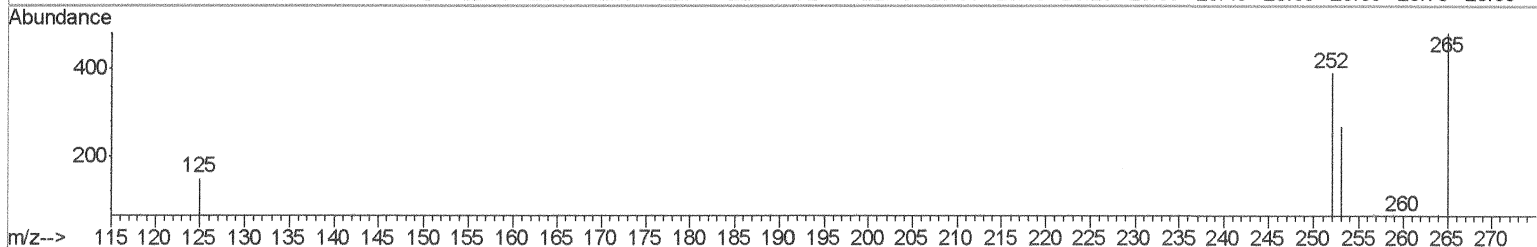
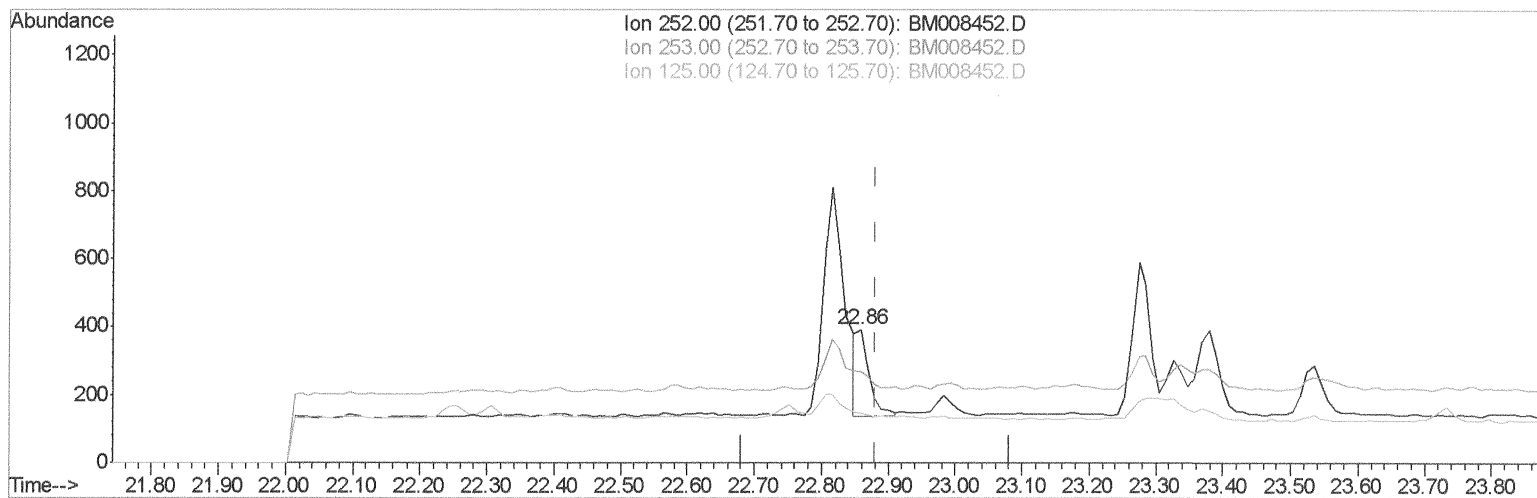
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
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 Acq On : 19 Dec 2016 21:37
 Operator : UM/SJ
 Sample : H5938-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA827

Manual Integrations
 APPROVED

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 12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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 Response via : Initial Calibration



TIC: BM008452.D

(22) Benzo(k)fluoranthene

22.857min (-0.024) 0.08ng/ul m

SJ 12/21/16

response 314

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	69.05#
125.00	17.10	38.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

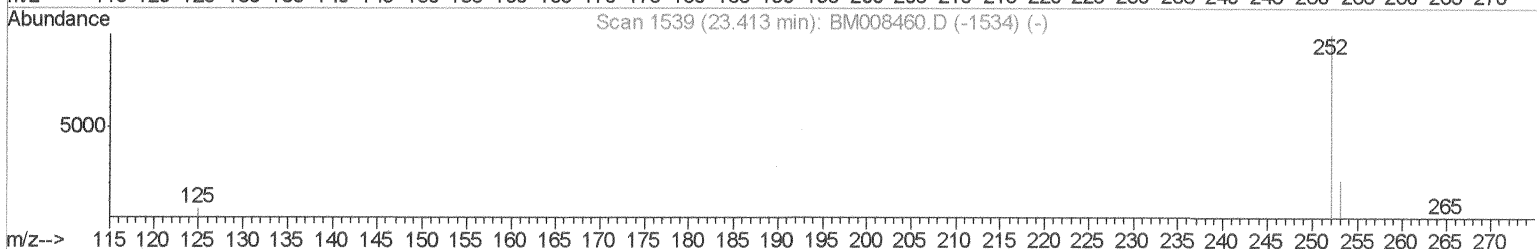
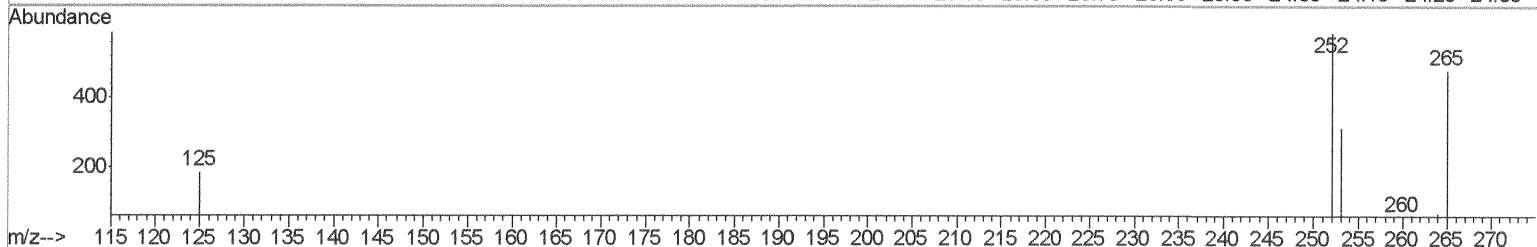
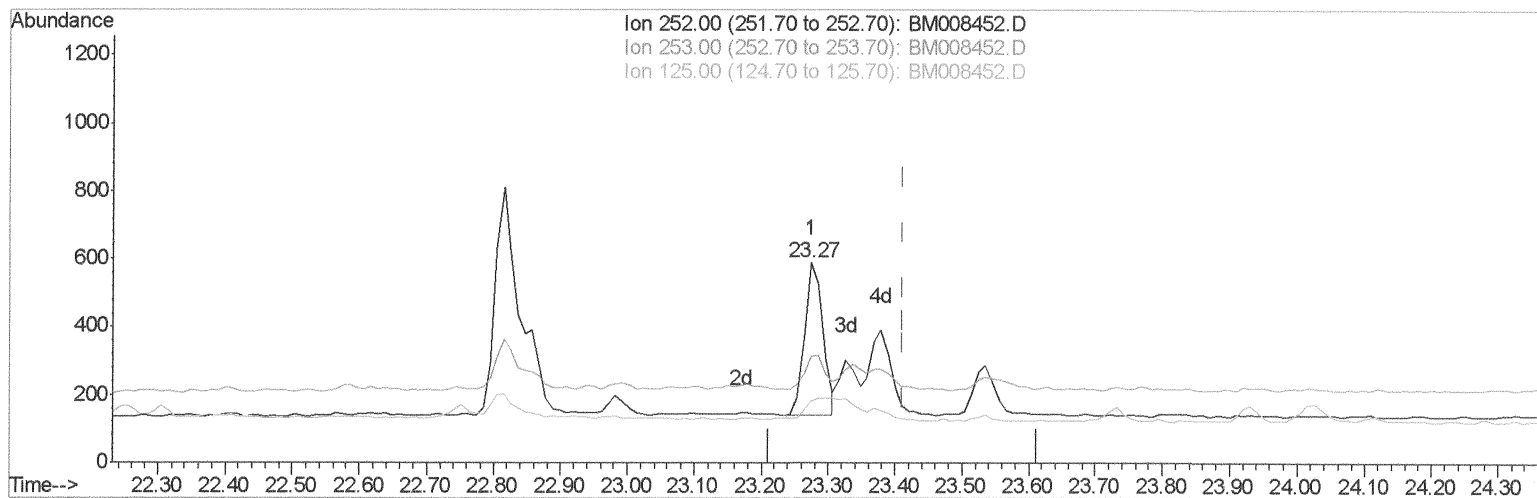
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008452.D
 Acq On : 19 Dec 2016 21:37
 Operator : UM/SJ
 Sample : H5938-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampled :
 DA827

Manual Integrations
APPROVED

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 12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 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: BM008452.D

(23) Benzo(a)pyrene (C)
 23.274min (-0.139) 0.22ng/ul
 response 856

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	53.57#
125.00	22.60	31.63#
0.00	0.00	0.00

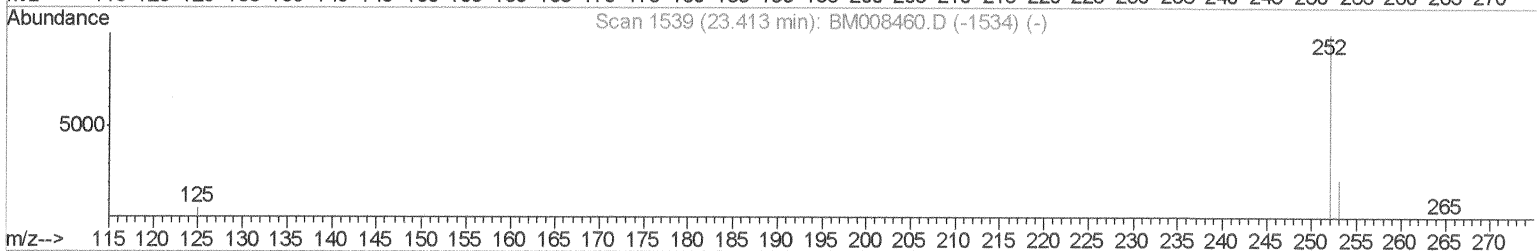
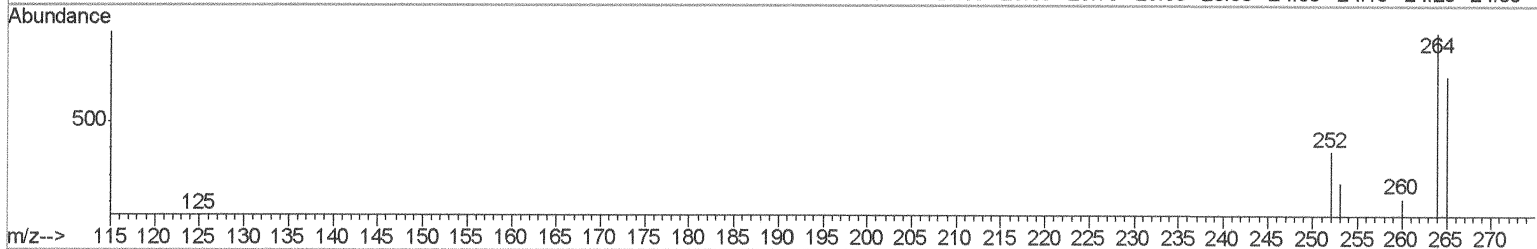
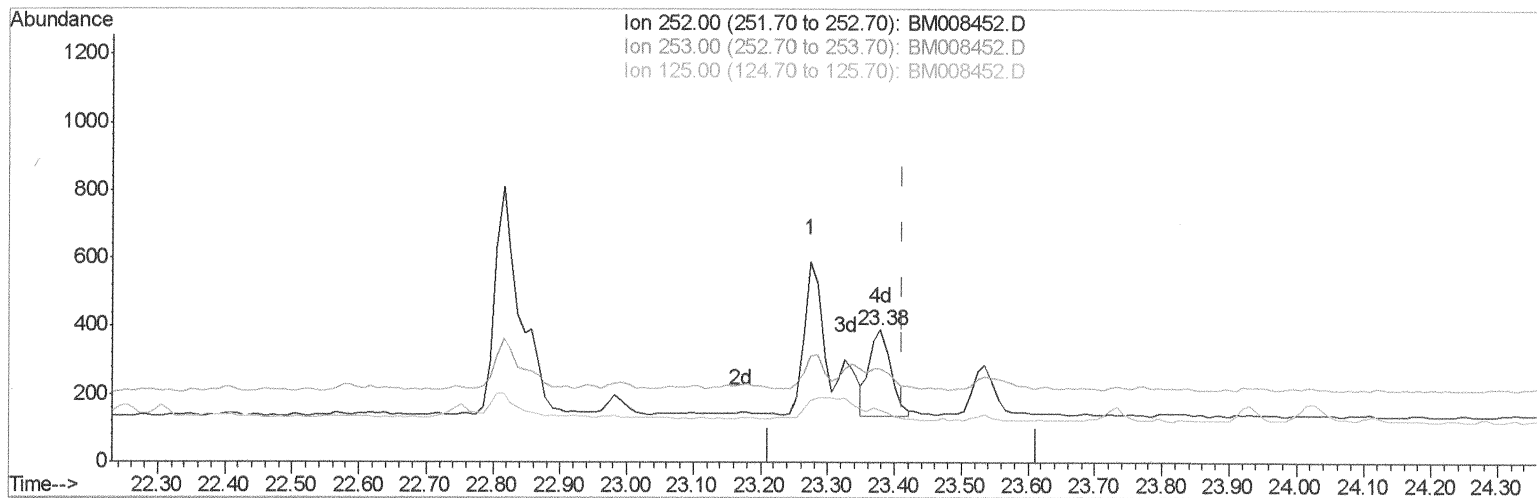
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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Response via : Initial Calibration



TIC: BM008452.D

(23) Benzo(a)pyrene (C)

23.378min (-0.035) 0.14ng/ul m

SJ 12/21/16

response 564

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	71.03#
125.00	22.60	39.49#
0.00	0.00	0.00

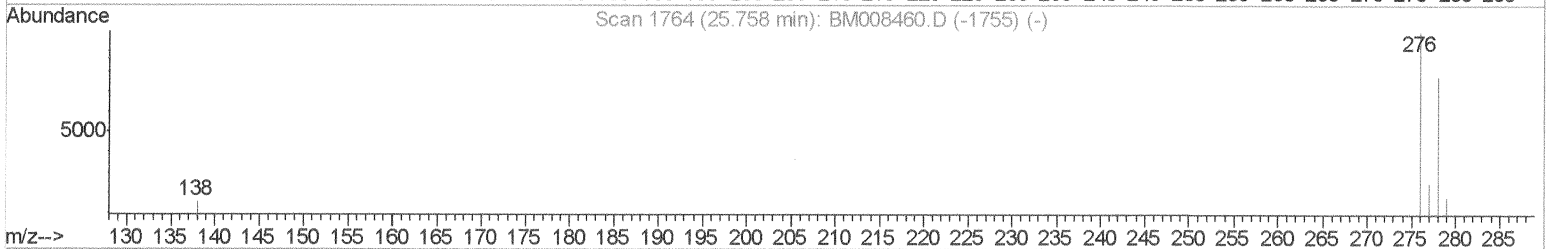
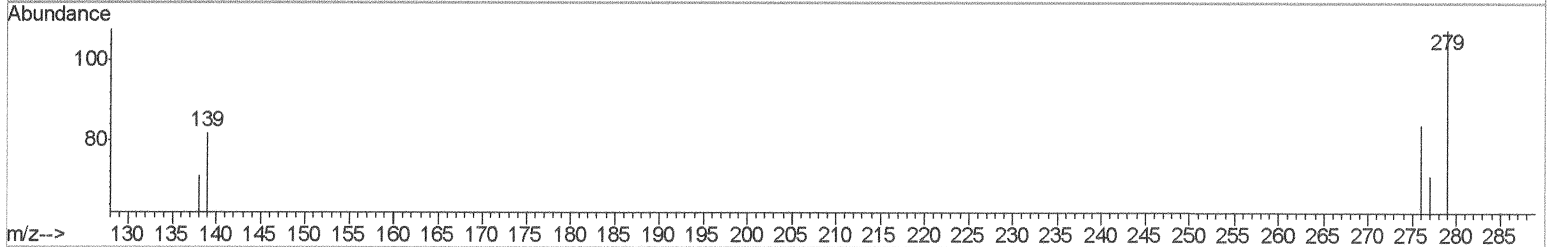
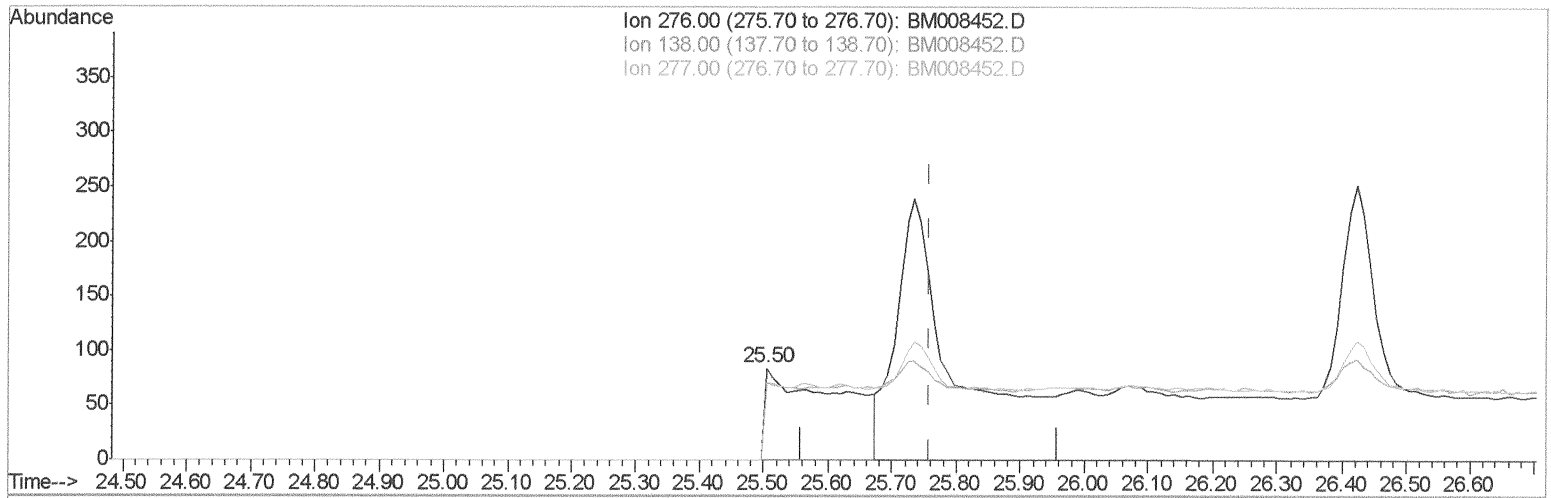
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
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 Acq On : 19 Dec 2016 21:37
 Operator : UM/SJ
 Sample : H5938-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
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Manual Integrations
 APPROVED

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 12/20/2016 6:31:11 PM

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TIC: BM008452.D

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

25.505min (-0.254) 0.14ng/ul

response 684

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	118.27#
0.00	0.00	0.00

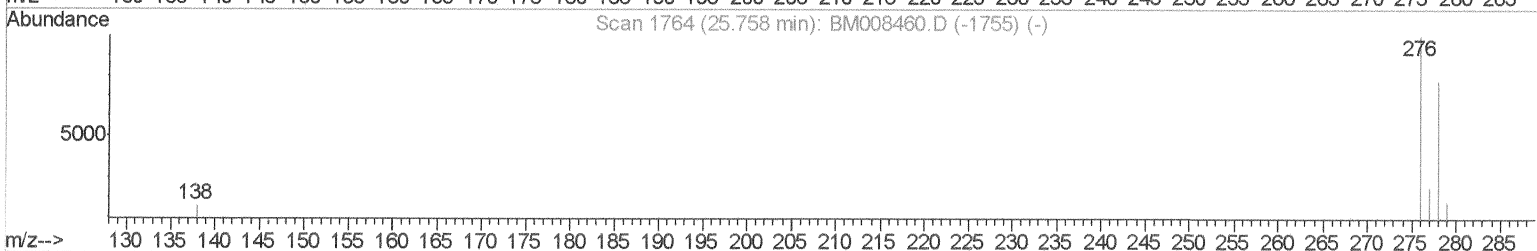
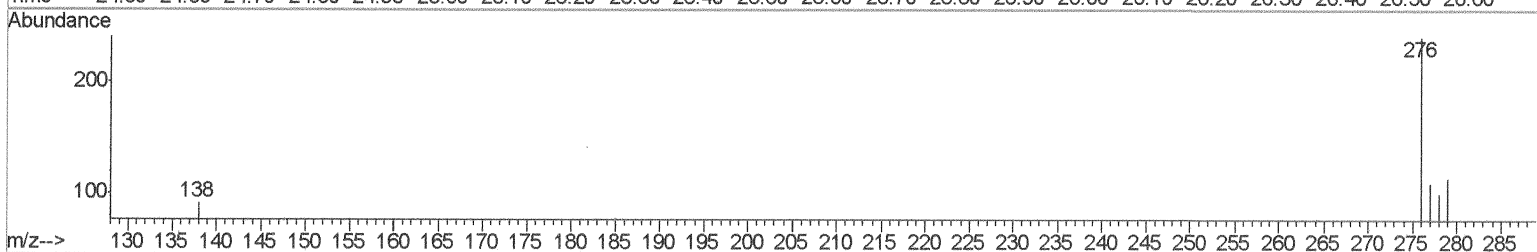
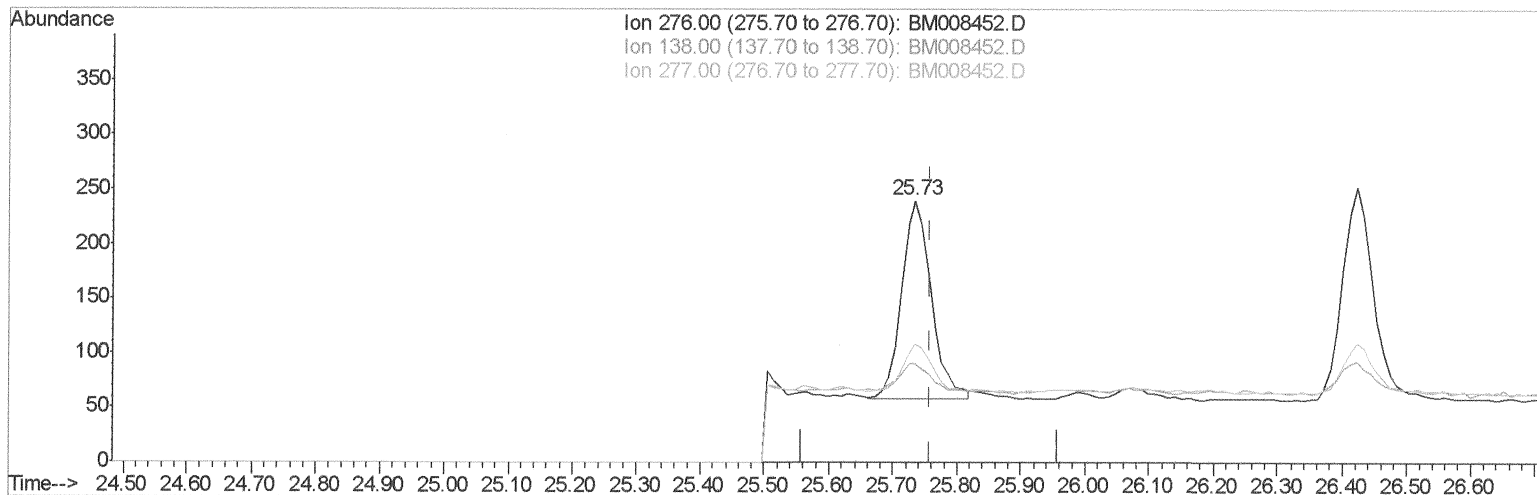
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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sohil
12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 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: BM008452.D

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

25.734min (-0.024) 0.13ng/ul m

SJ 12/21/16

response 593

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	136.42#
0.00	0.00	0.00

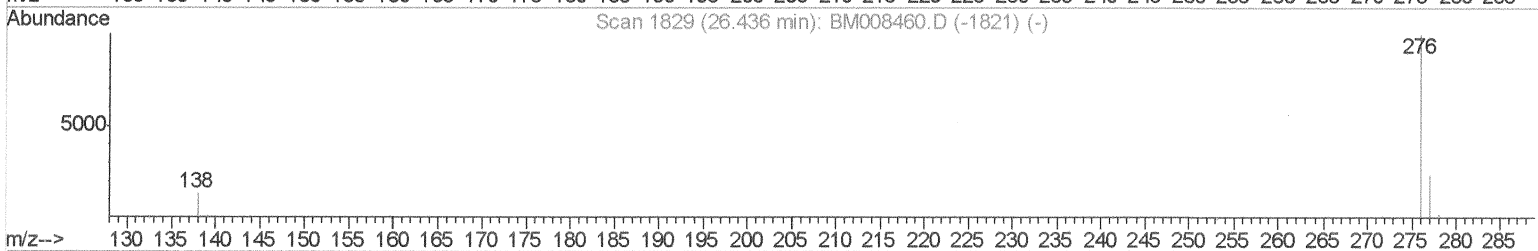
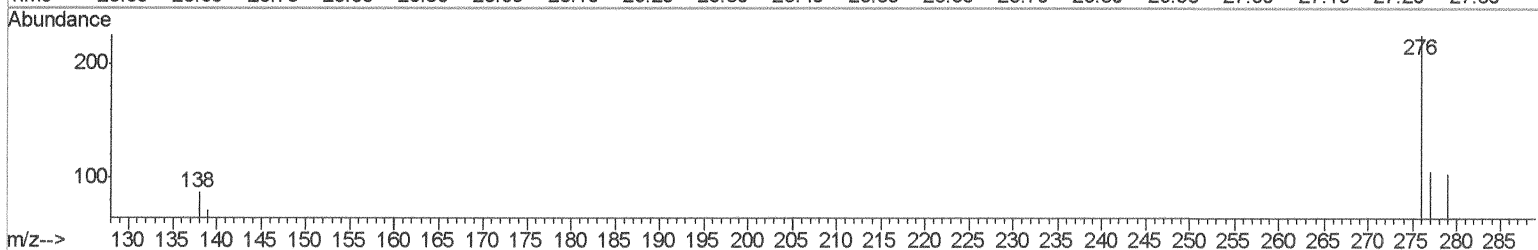
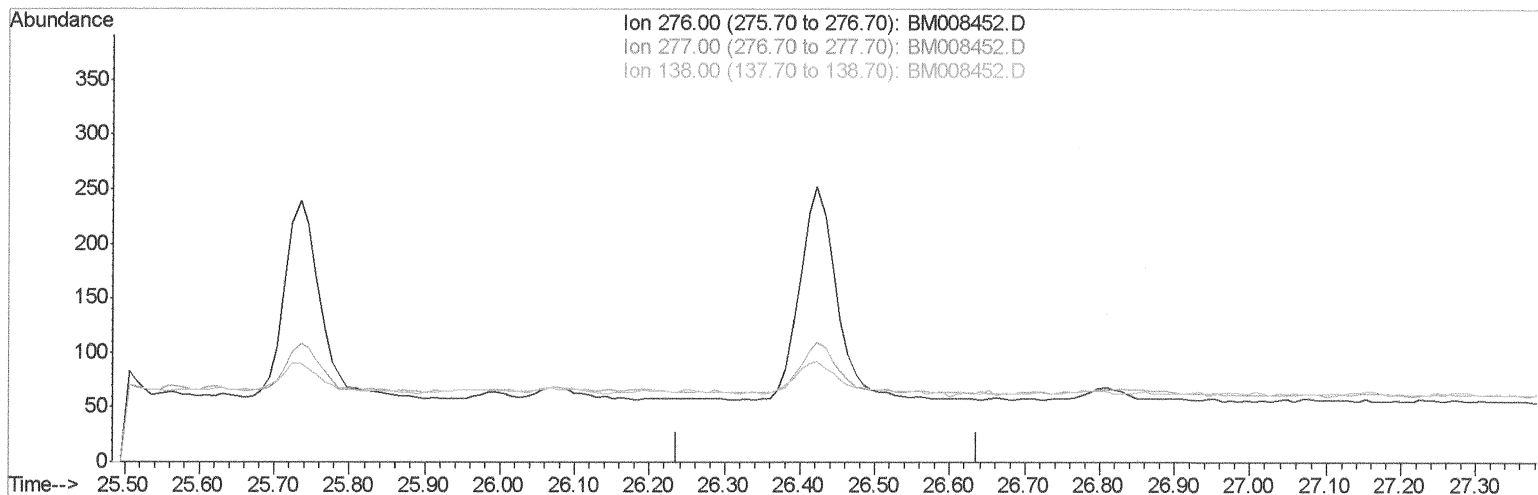
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 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: BM008452.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

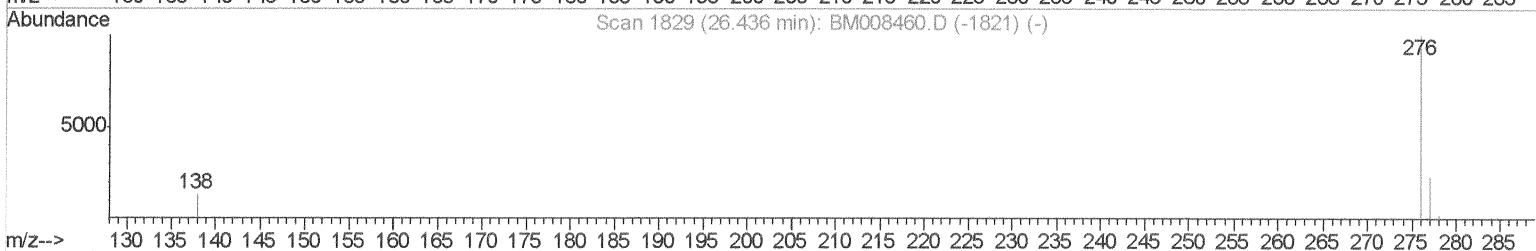
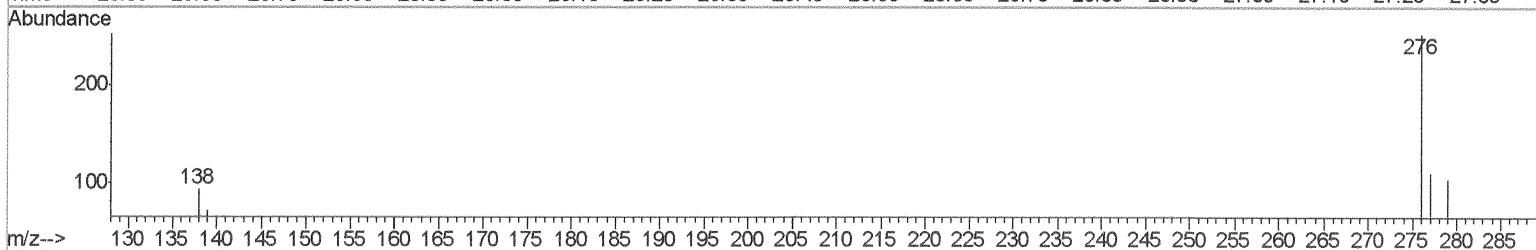
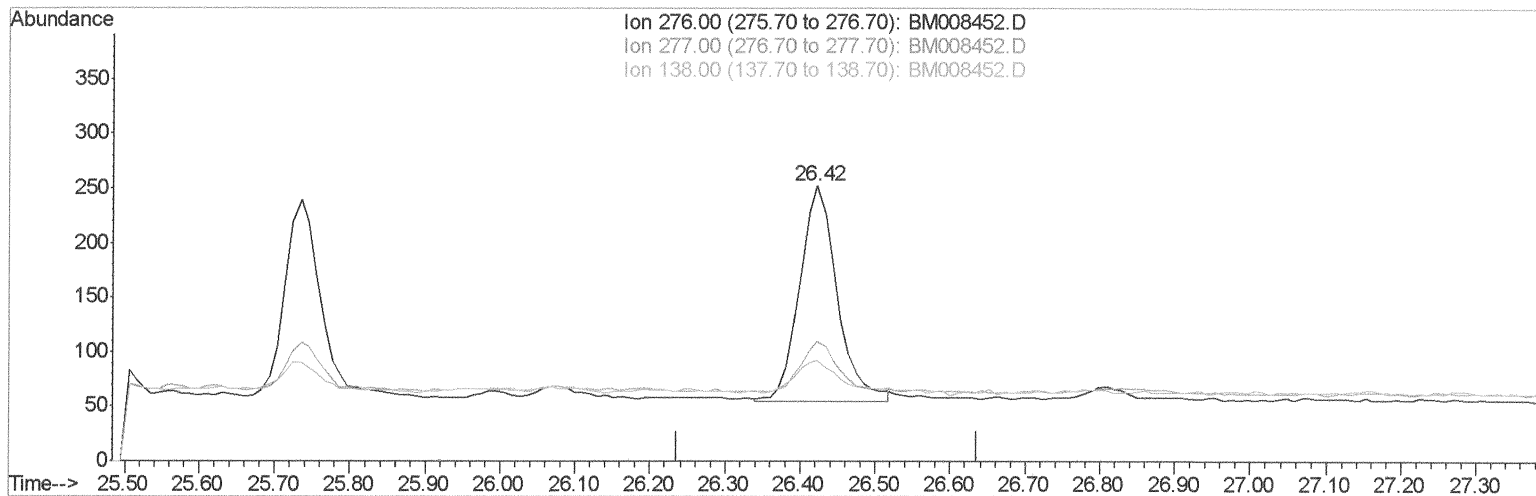
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008452.D
Acq On : 19 Dec 2016 21:37
Operator : UM/SJ
Sample : H5938-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA827

Manual Integrations
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sohil
12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:27:05 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: BM008452.D

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

26.422min (-0.014) 0.17ng/ul m

SJ 12/21/16

response 684

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	43.65#
138.00	25.60	36.90#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008452.D
 Acq On : 19 Dec 2016 21:37
 Operator : UM/SJ
 Sample : H5938-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA827

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:31:11 PM

Quant Time: Dec 20 12:30:39 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	375	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.43	136	1319	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.30	164	1223	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1775m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.26	240	1596	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1089m	0.40	ng/ul	-0.02

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System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.02	152	508	0.25	ng/ul	-0.08
14) Fluoranthene-d10	19.10	212	1120	0.23	ng/ul	-0.02

Target Compounds

					Qvalue
3) Naphthalene	10.48	128	40039	10.79	ng/ul 94
5) 2-Methylnaphthalene	12.09	142	71097	28.46	ng/ul 100
8) Acenaphthene	14.35	153	5789	1.39	ng/ul 96
9) Fluorene	15.34	166	12786	2.69	ng/ul# 73
12) Phenanthrene	17.09	178	6246m	1.15	ng/ul
15) Fluoranthene	19.12	202	1308	0.20	ng/ul 84
17) Pyrene	19.48	202	1649	0.27	ng/ul# 84
18) Benzo(a)anthracene	21.24	228	507	0.10	ng/ul# 51
19) Chrysene	21.29	228	929	0.16	ng/ul# 74
21) Benzo(b)fluoranthene	22.82	252	1473m	0.34	ng/ul
22) Benzo(k)fluoranthene	22.86	252	314m	0.08	ng/ul
23) Benzo(a)pyrene	23.38	252	564m	0.14	ng/ul
24) Indeno(1,2,3-cd)pyrene	25.73	276	593m	0.13	ng/ul
26) Benzo(g,h,i)perylene	26.42	276	684m	0.17	ng/ul

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