

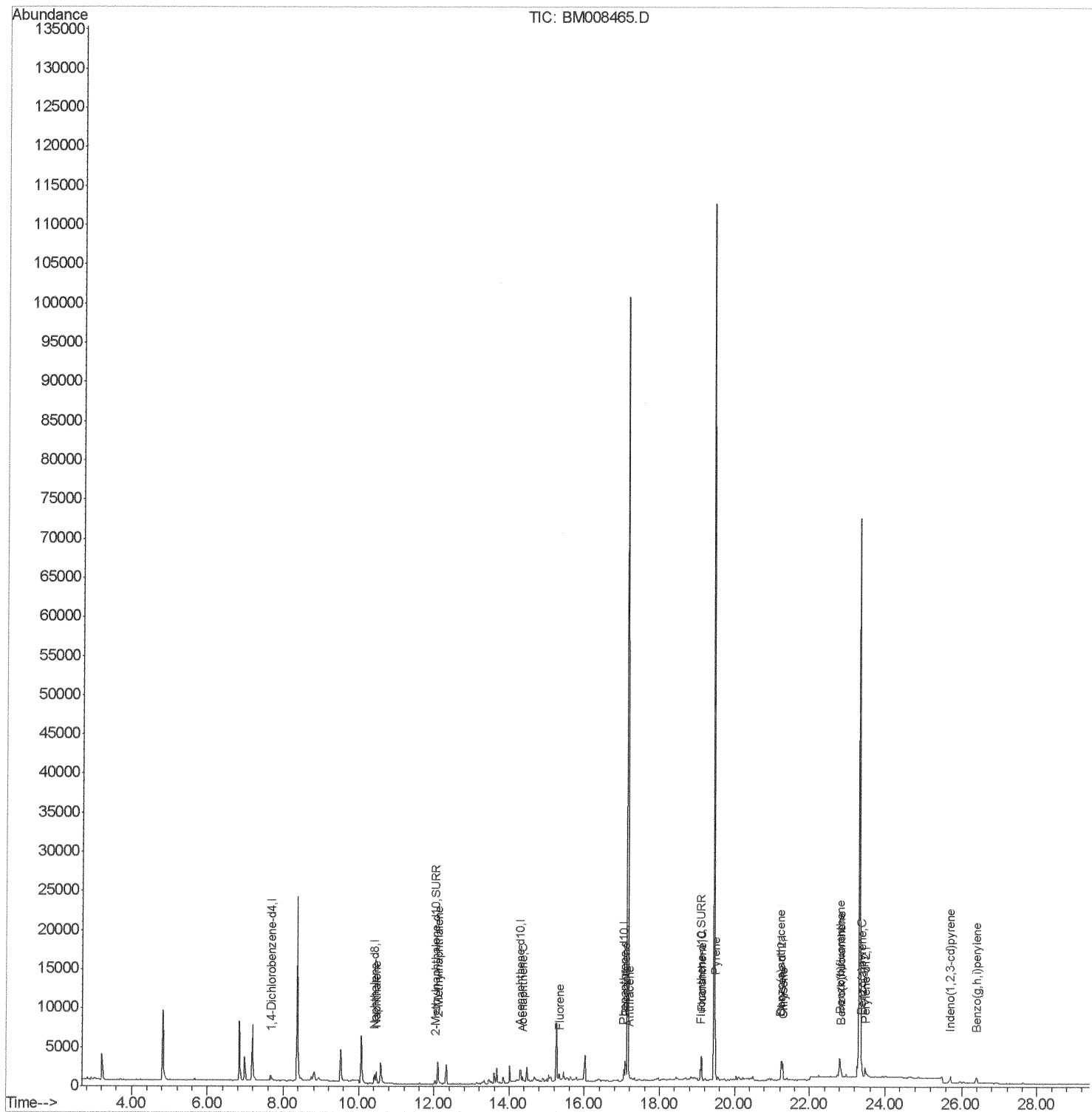
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:40:21 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



Quantitation Report (Qedit)

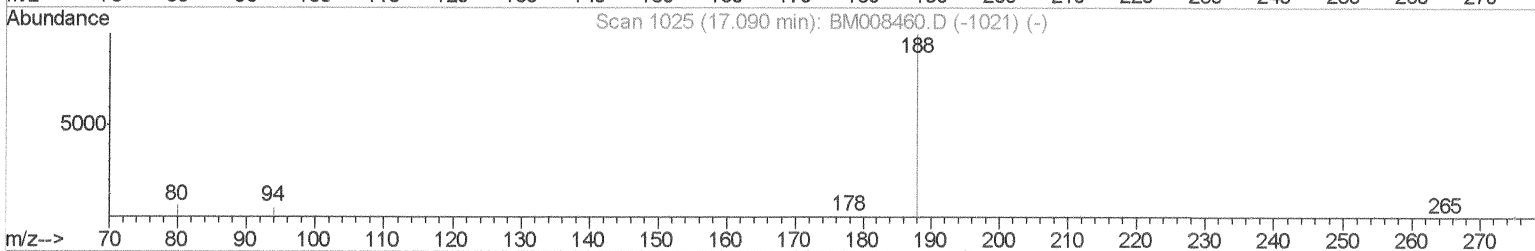
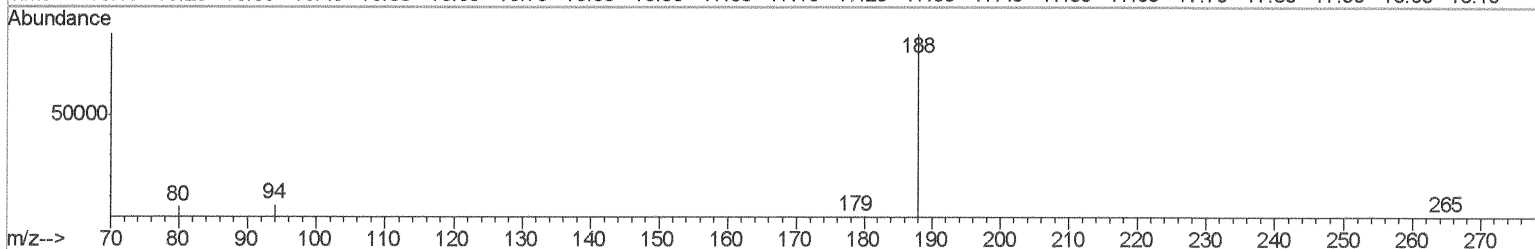
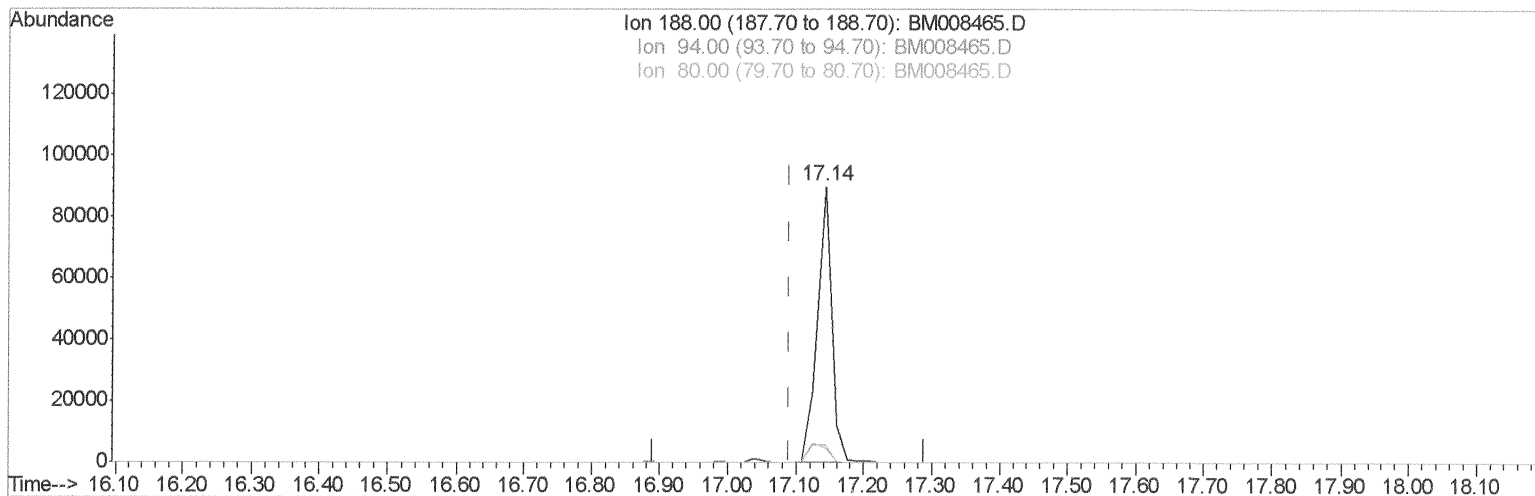
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA829

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:31:39 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: BM008465.D

(10) Phenanthrene-d10 (I)

17.142min (+0.051) 0.40ng/ul

response 129011

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.24#
80.00	11.80	5.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

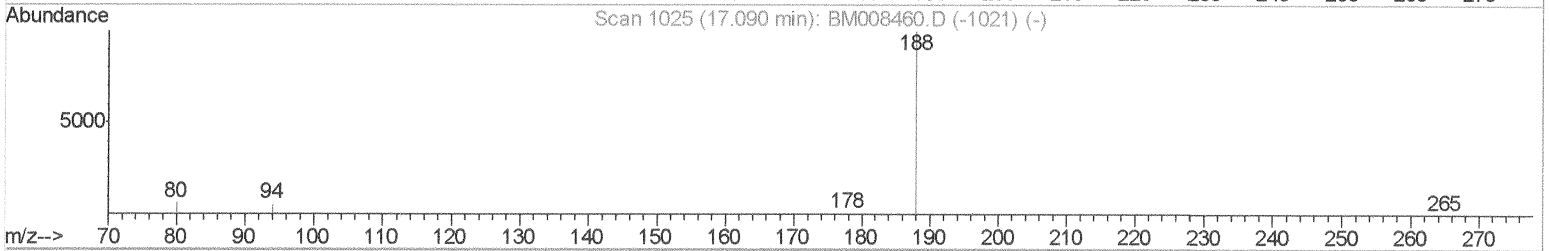
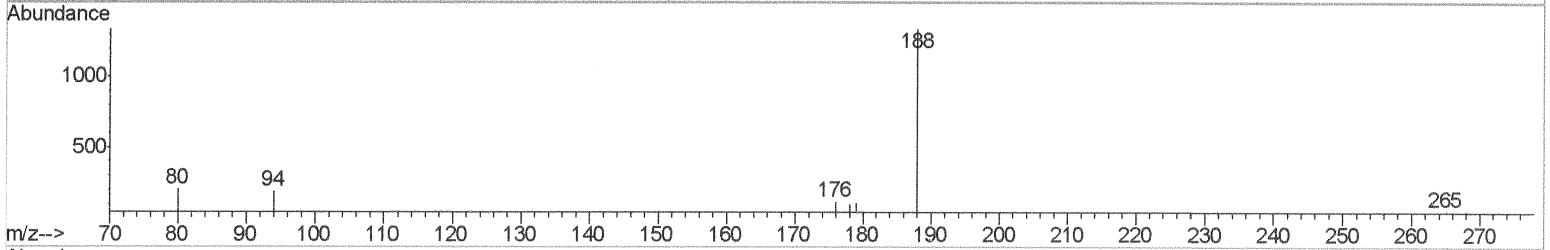
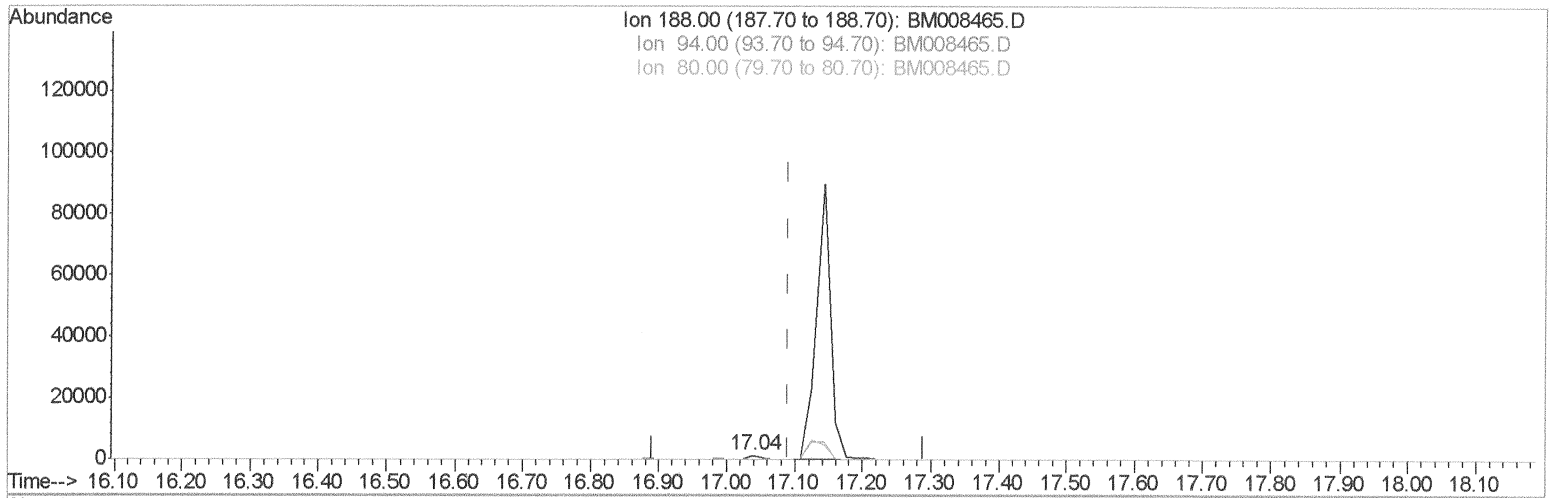
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 DA829

Manual Integrations
APPROVED

sohil
 12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:31:39 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: BM008465.D

(10) Phenanthrene-d10 (I)

17.039min (-0.051) 0.40ng/ul m

SJ 12/21/16

response 2103

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.90#
80.00	11.80	15.32#
0.00	0.00	0.00

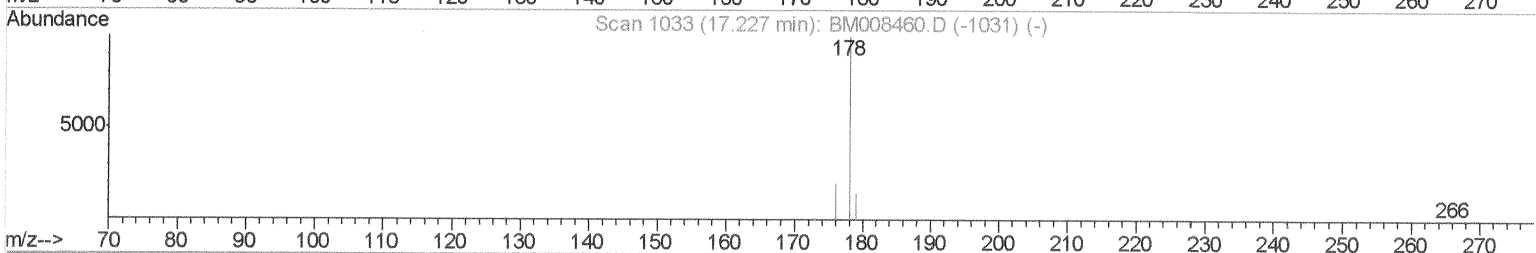
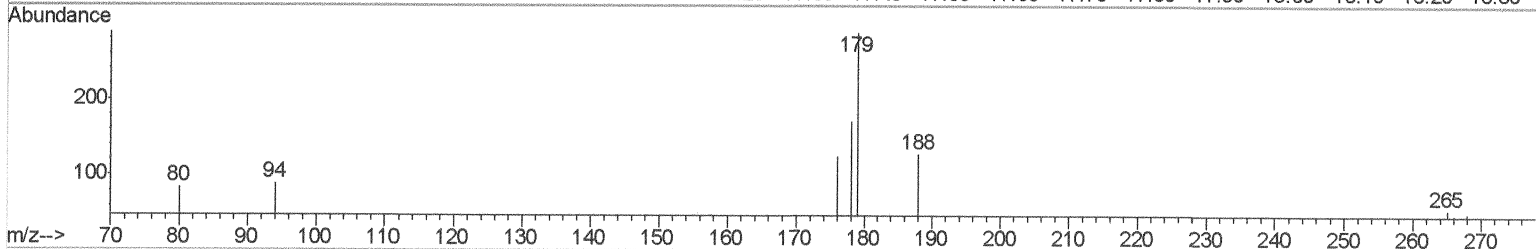
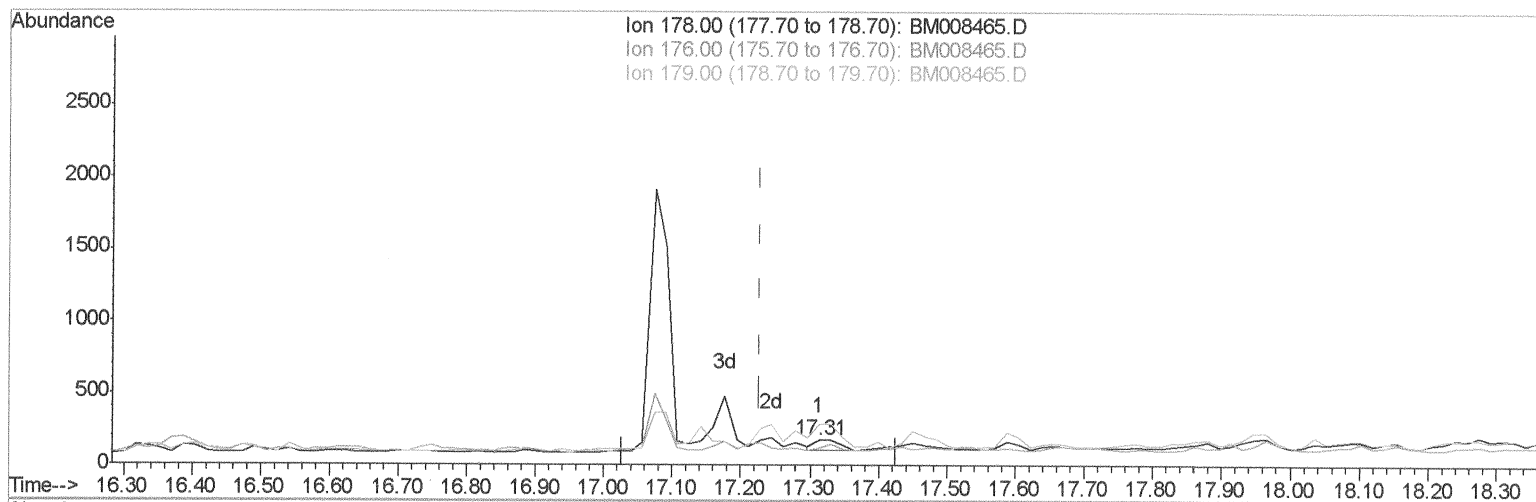
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:36:23 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: BM008465.D

(13) Anthracene

17.313min (+0.086) 0.03ng/ul

response 167

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	73.26#
179.00	18.40	167.44#
0.00	0.00	0.00

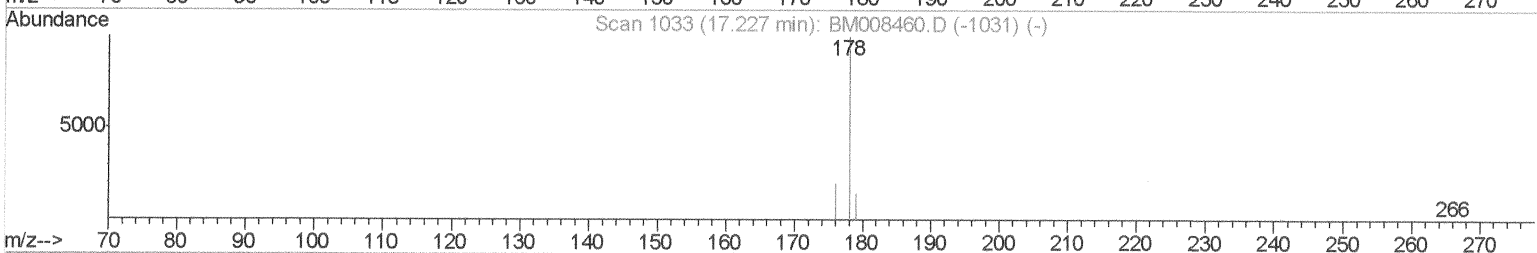
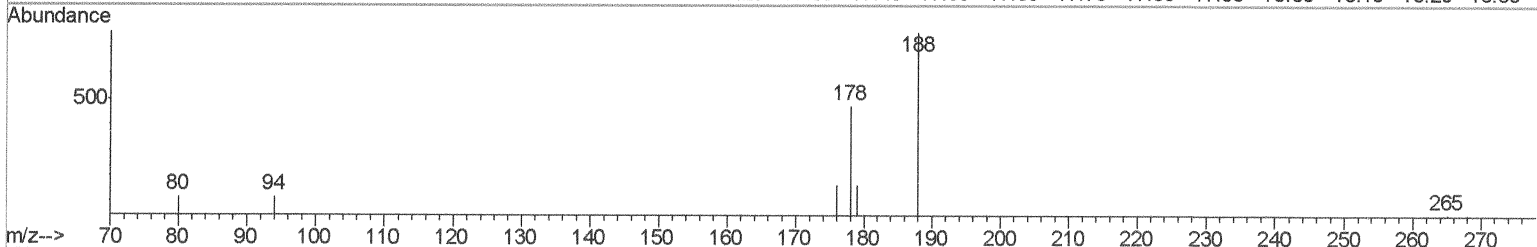
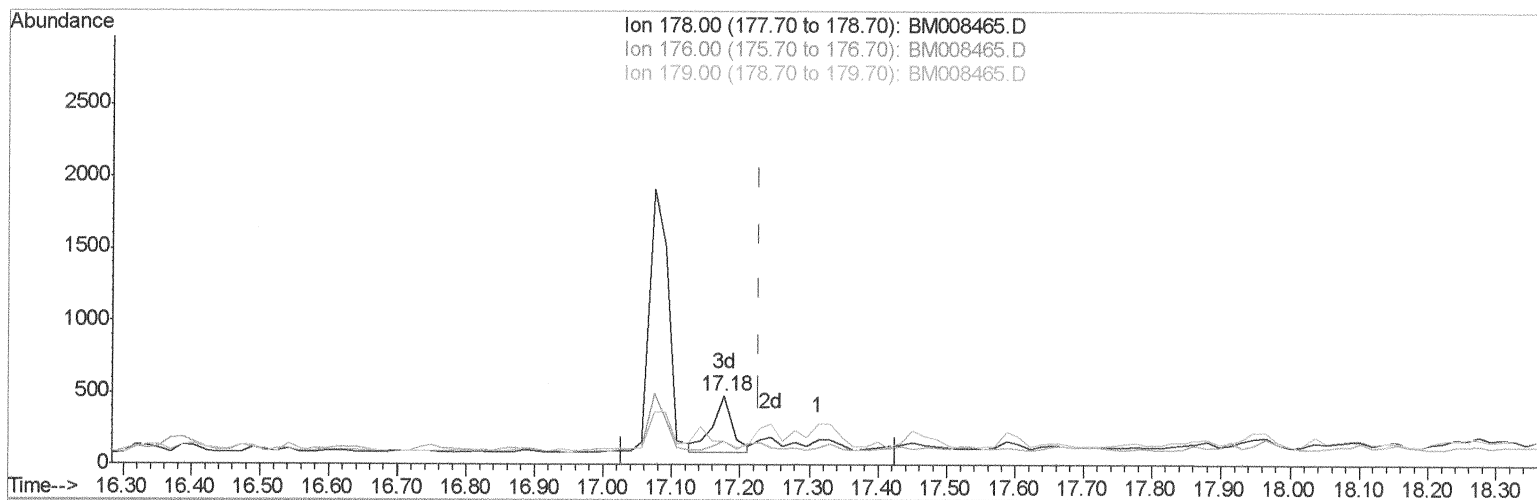
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
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Quant Time: Dec 20 13:36:23 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: BM008465.D

(13) Anthracene

17.176min (-0.051) 0.12ng/ul m

57 12/21/16

response 777

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	34.45#
179.00	18.40	34.45#
0.00	0.00	0.00

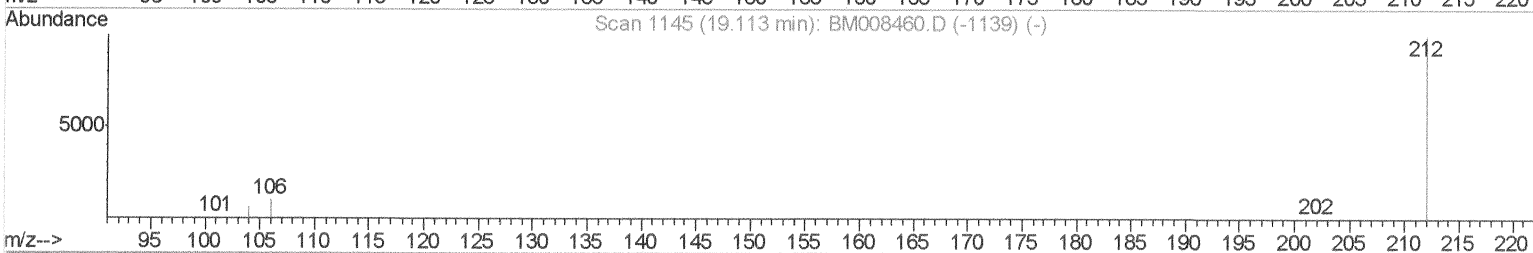
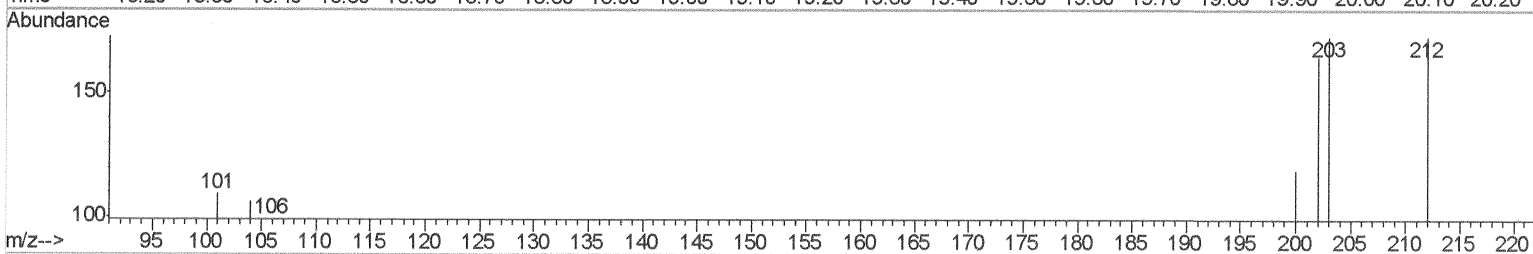
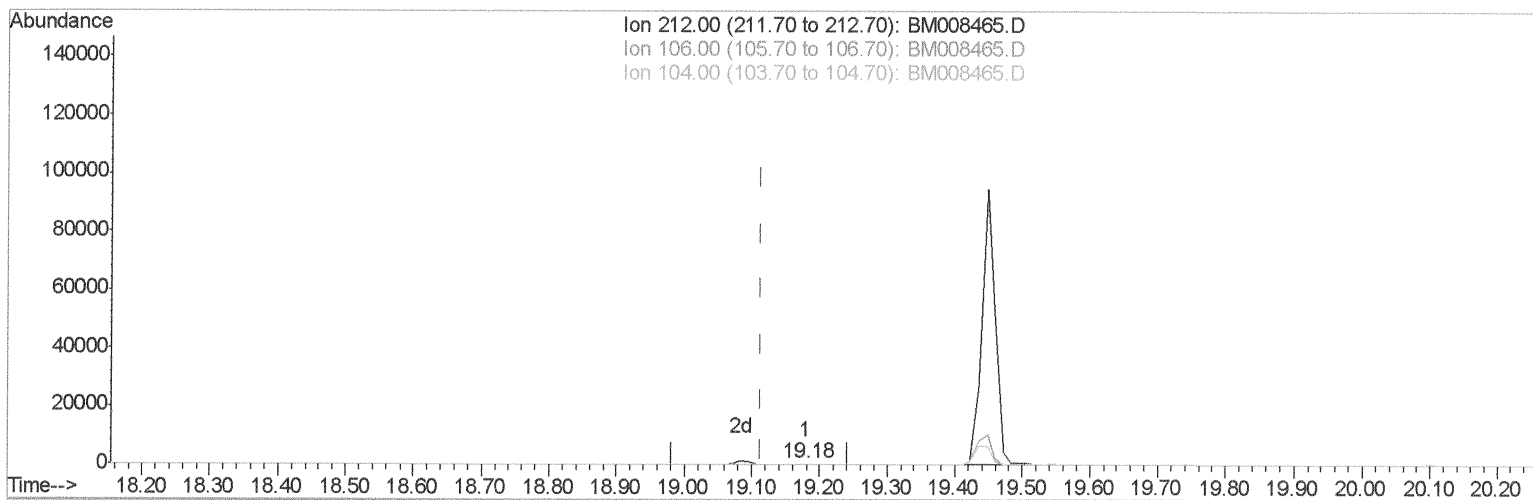
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
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Quant Time: Dec 20 13:36:23 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: BM008465.D

(14) Fluoranthene-d10 (SURR)

19.181min (+0.068) 0.03ng/ul

response 184

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	24.46#
104.00	15.60	31.52#
0.00	0.00	0.00

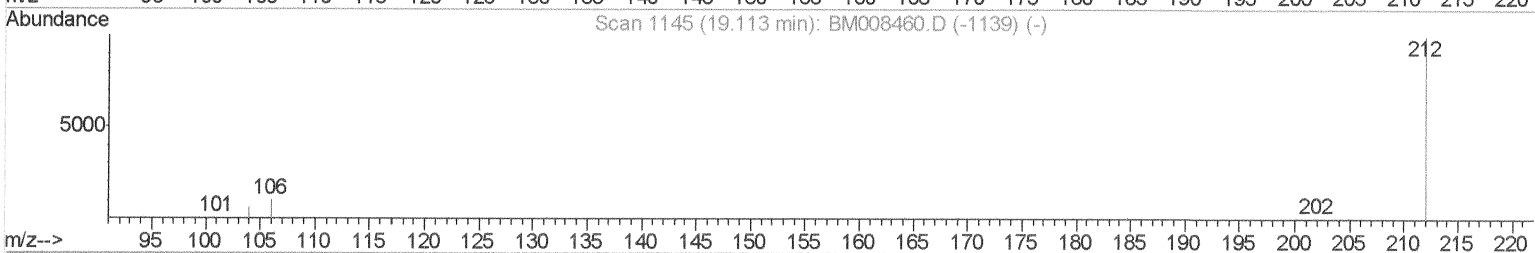
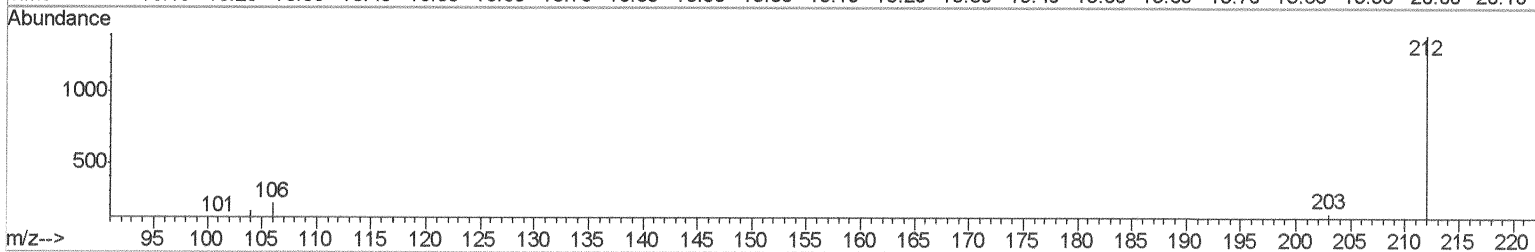
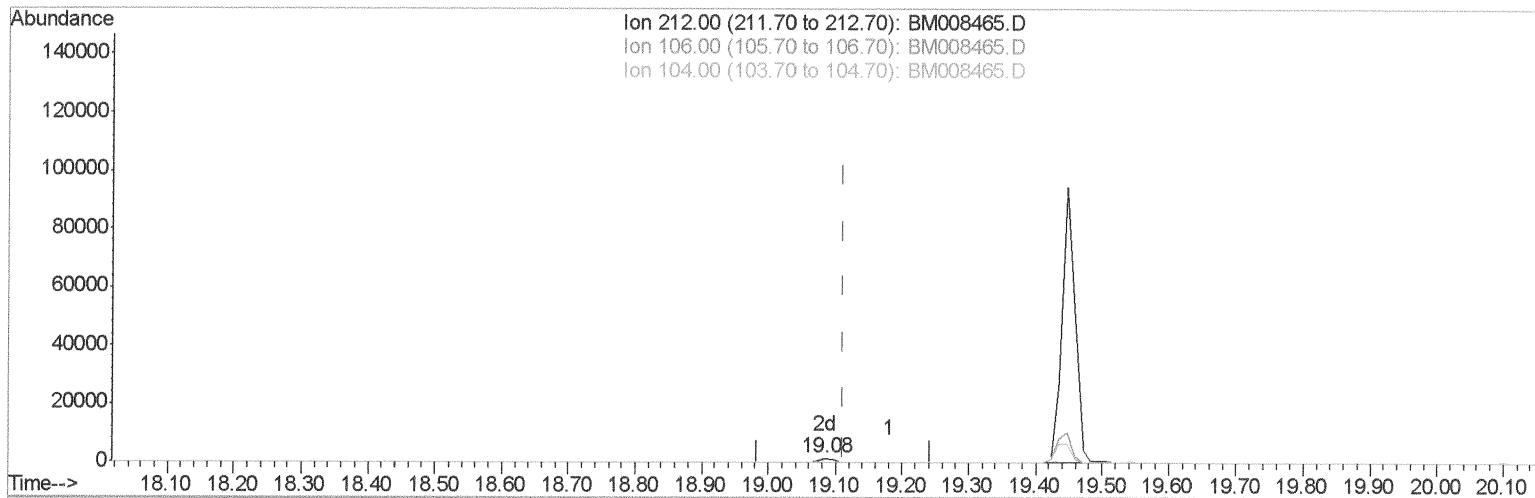
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
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Quant Time: Dec 20 13:36:23 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



(14) Fluoranthene-d10 (SURR)

19.084min (-0.029) 0.31ng/ui m

SJ 12/21/16

response 1791

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	2.51#
104.00	15.60	3.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

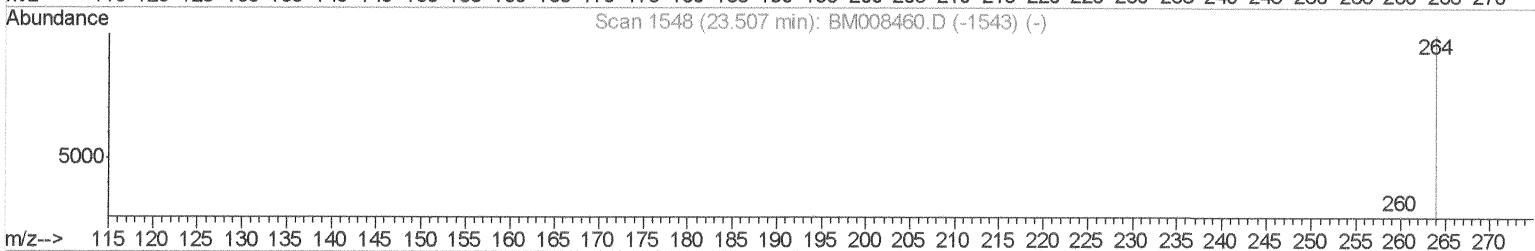
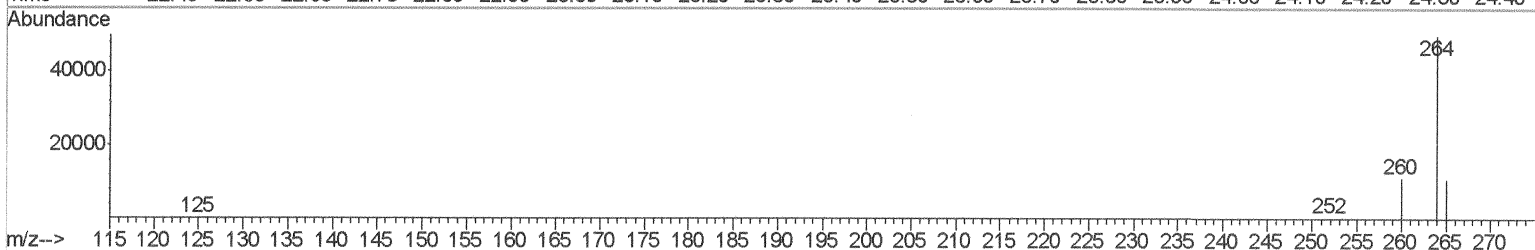
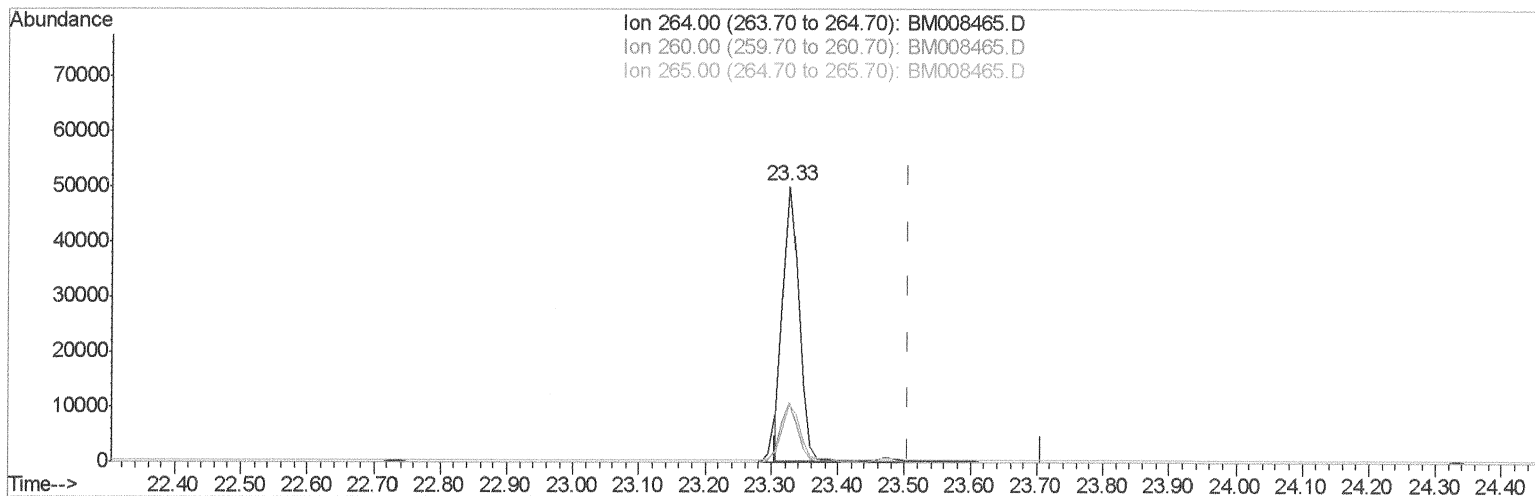
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 DA829

Manual Integrations
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Quant Time: Dec 20 13:36:23 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: BM008465.D

(20) Perylene-d12 (I)
 23.326min (-0.181) 0.40ng/ul
 response 83858

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.01#
265.00	103.50	21.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

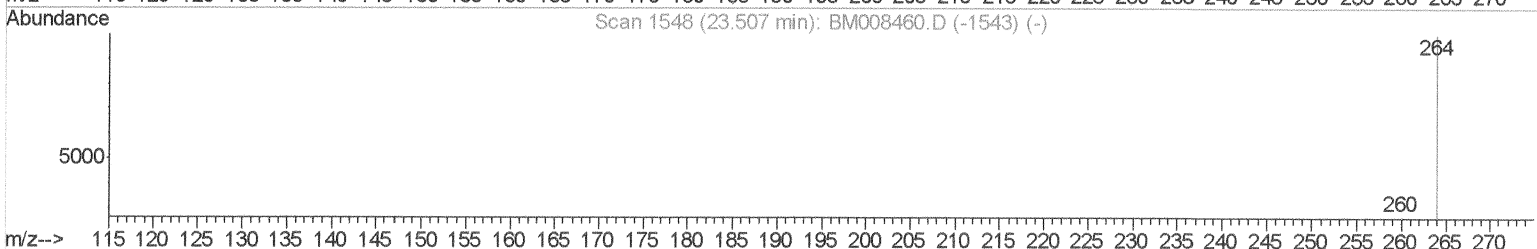
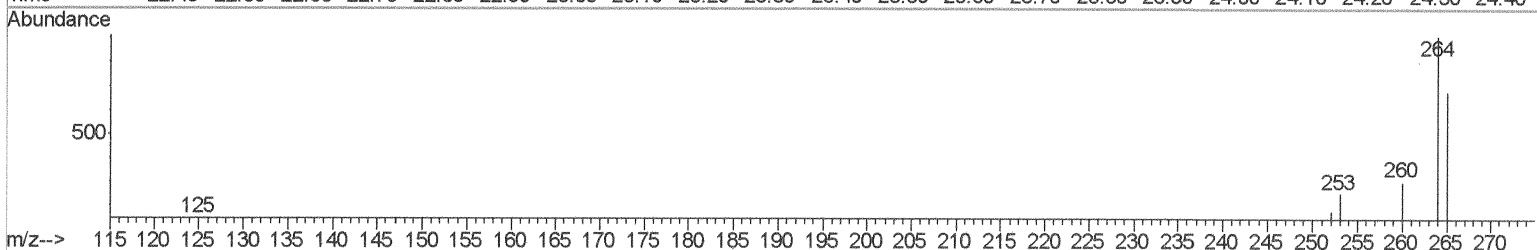
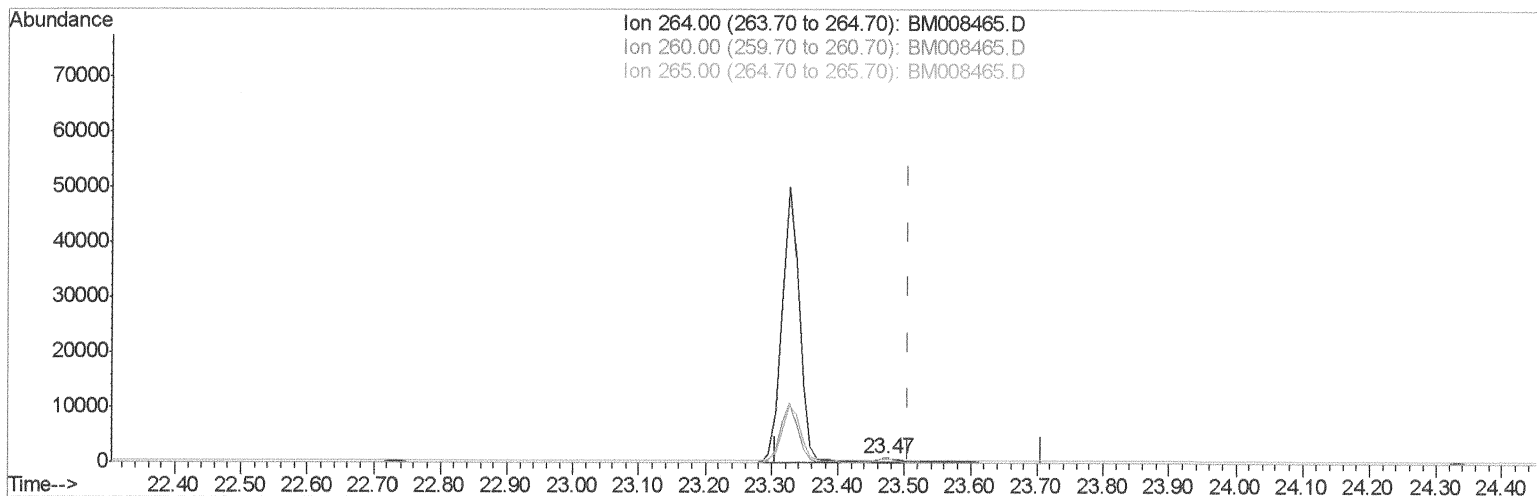
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 DA829

Manual Integrations
APPROVED

sohil
 12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:36:23 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: BM008465.D

(20) Perylene-d12 (I)

23.472min (-0.035) 0.40ng/ul m

SJ 12/21/16

response 1423

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	33.26
265.00	103.50	74.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

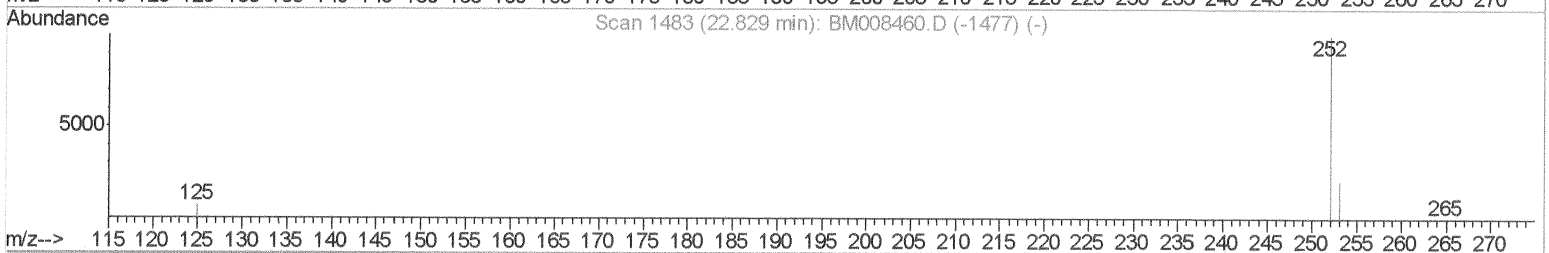
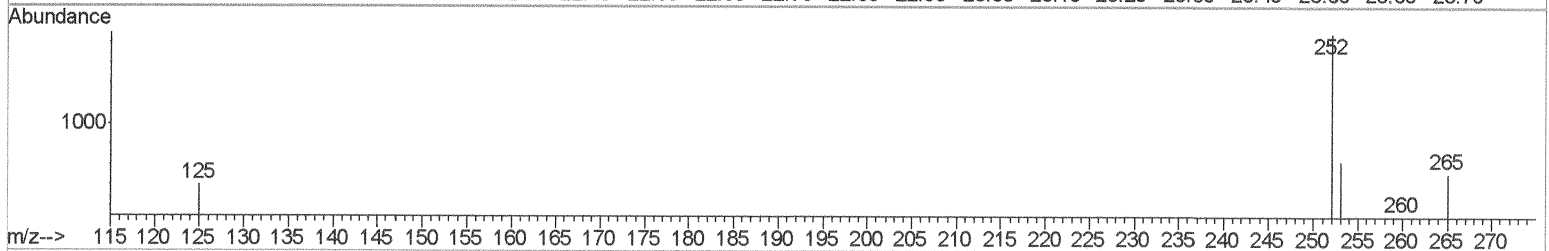
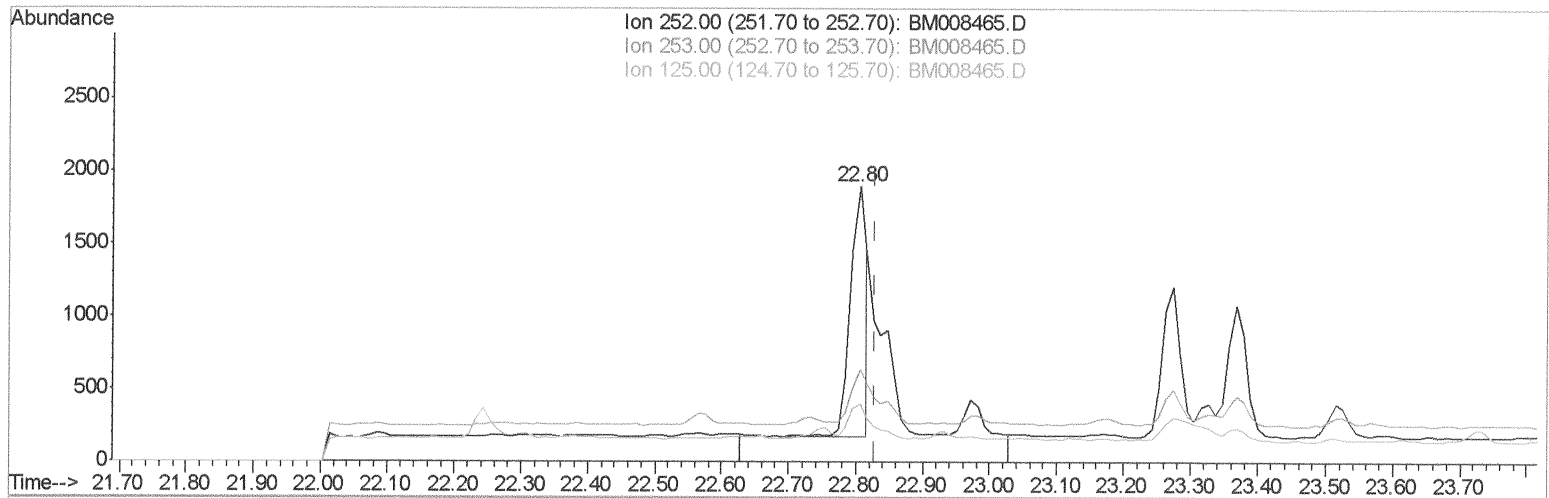
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampled :
 DA829

Manual Integrations
APPROVED

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 12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:37:59 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: BM008465.D

(21) Benzo(b)fluoranthene
 22.805min (-0.024) 0.53ng/ui
 response 2998

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	33.51
125.00	17.50	21.18
0.00	0.00	0.00

Quantitation Report (Qedit)

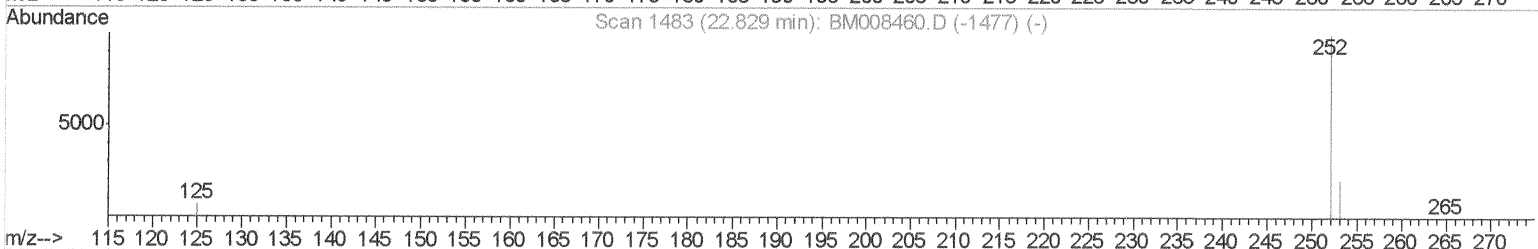
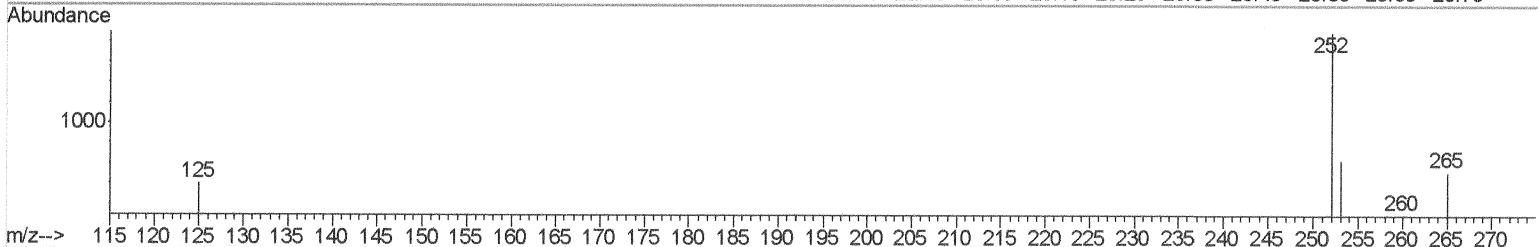
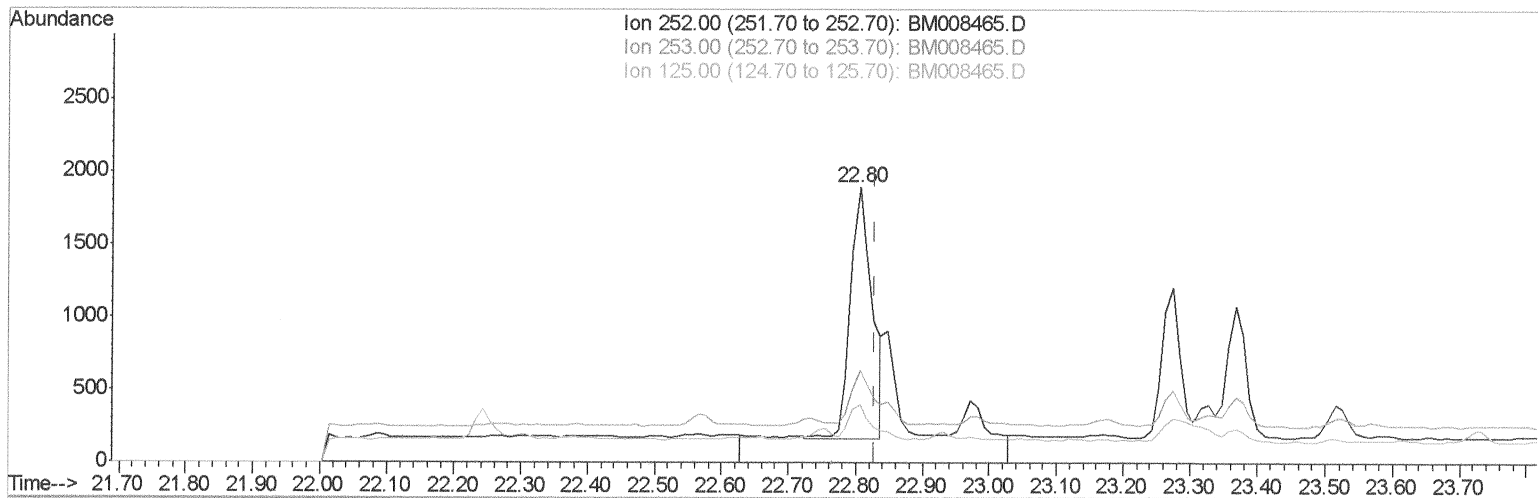
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampled :
 DA829

Manual Integrations
APPROVED

sohil
 12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:37:59 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



(21) Benzo(b)fluoranthene

22.805min (-0.024) 0.72ng/ul m

SJ 12/21/16

response 4014

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	33.51
125.00	17.50	21.18
0.00	0.00	0.00

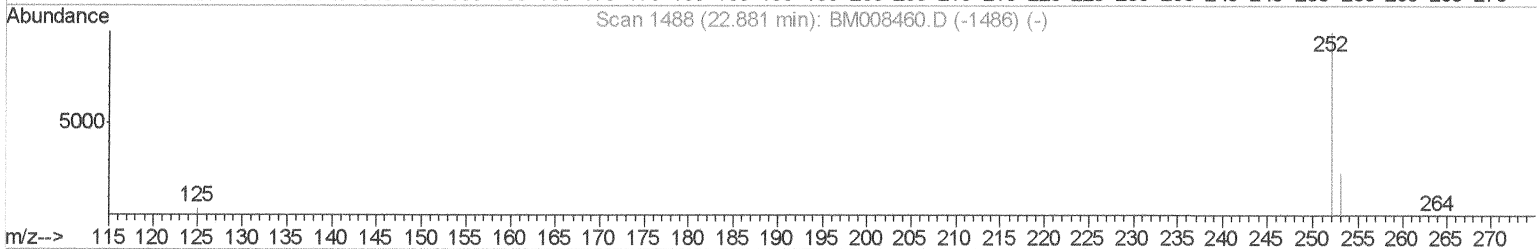
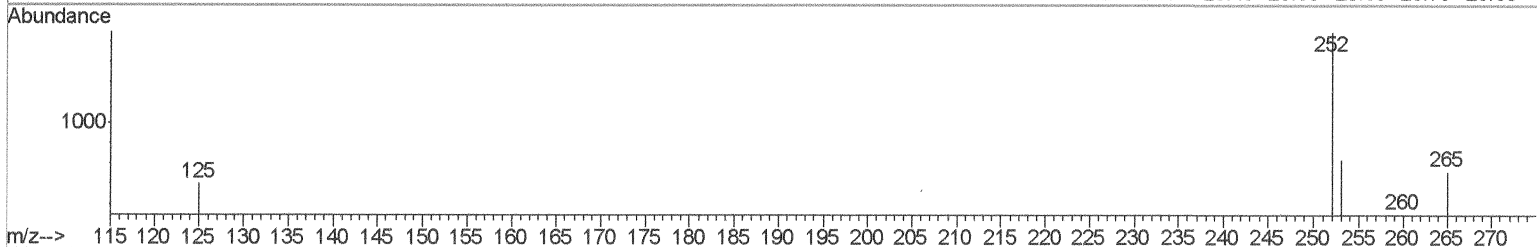
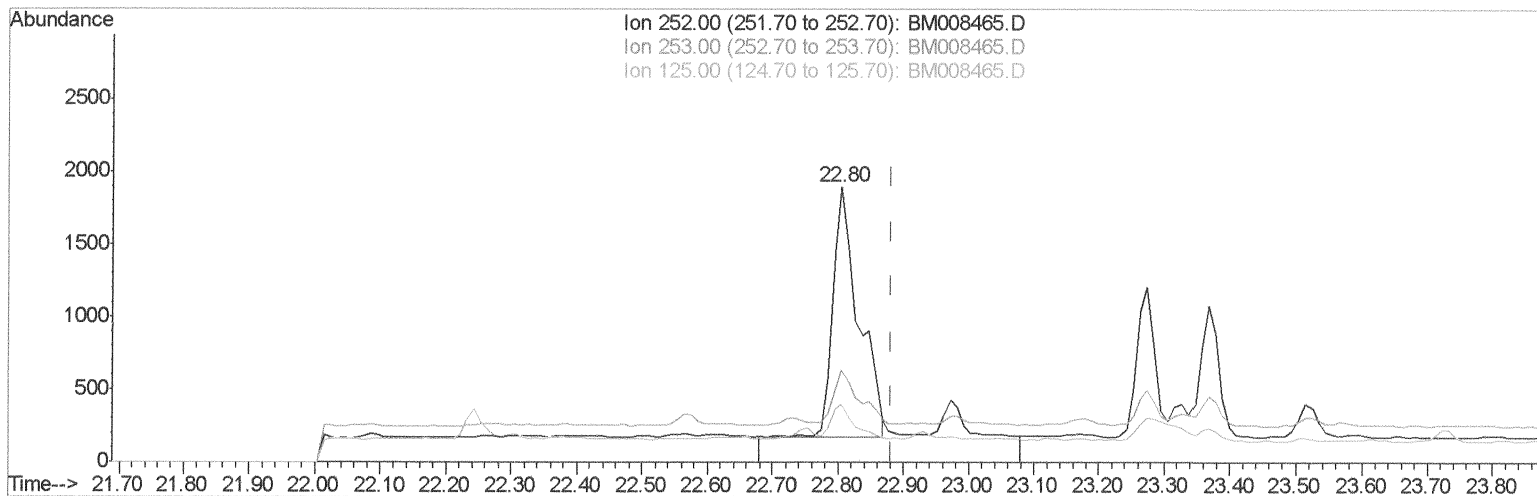
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:37:59 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: BM008465.D

(22) Benzo(k)fluoranthene

22.805min (-0.076) 0.86ng/ul

response 4715

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.51
125.00	17.10	21.18#
0.00	0.00	0.00

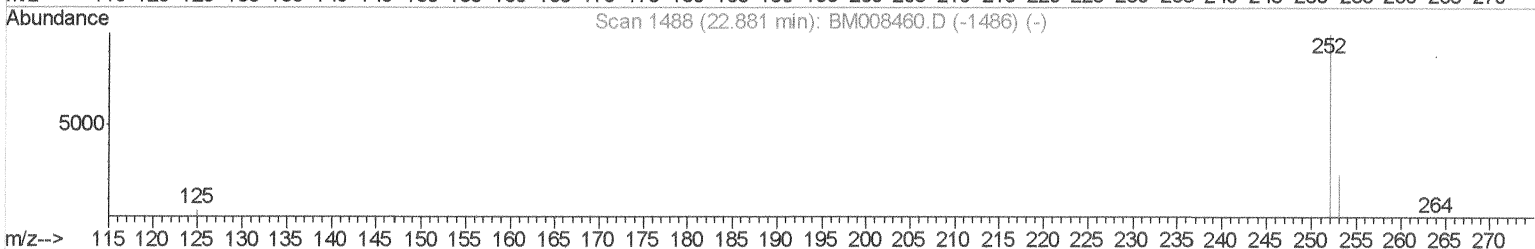
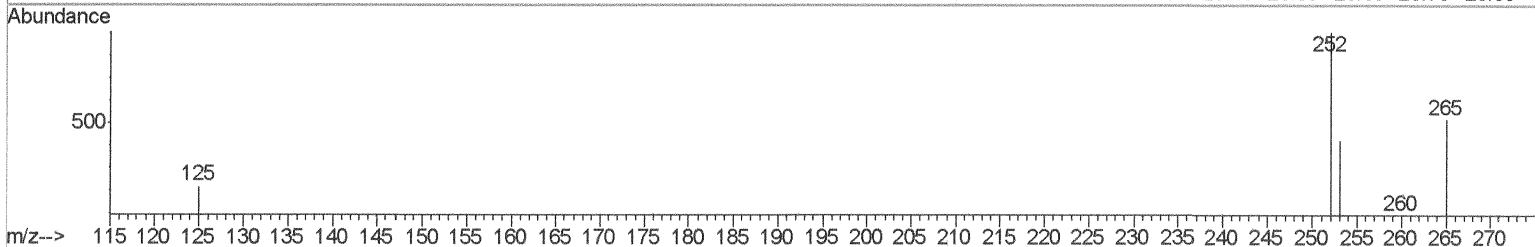
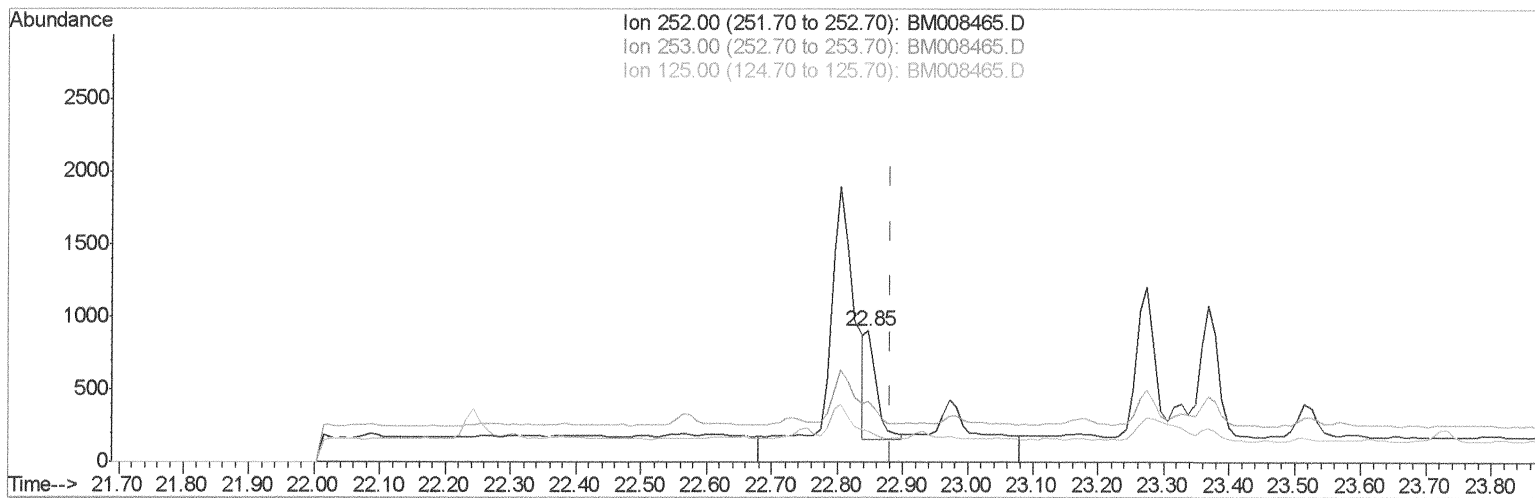
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:37:59 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: BM008465.D

(22) Benzo(k)fluoranthene

22.847min (-0.035) 0.17ng/ul m

6J 12/21/16

response 914

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	46.84#
125.00	17.10	24.36#
0.00	0.00	0.00

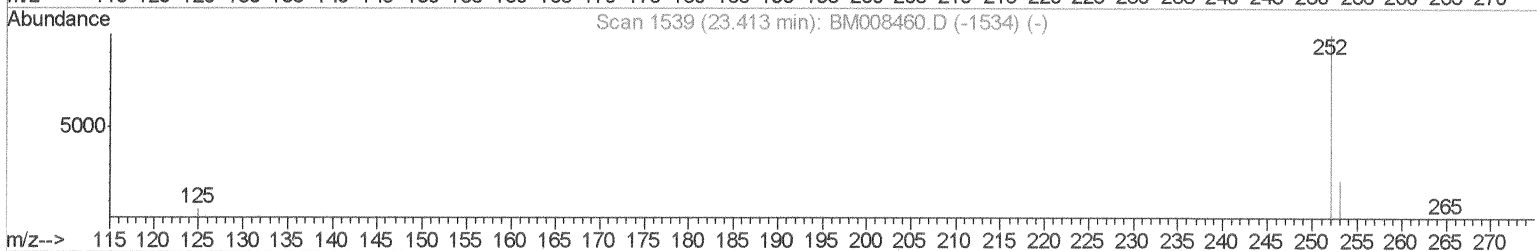
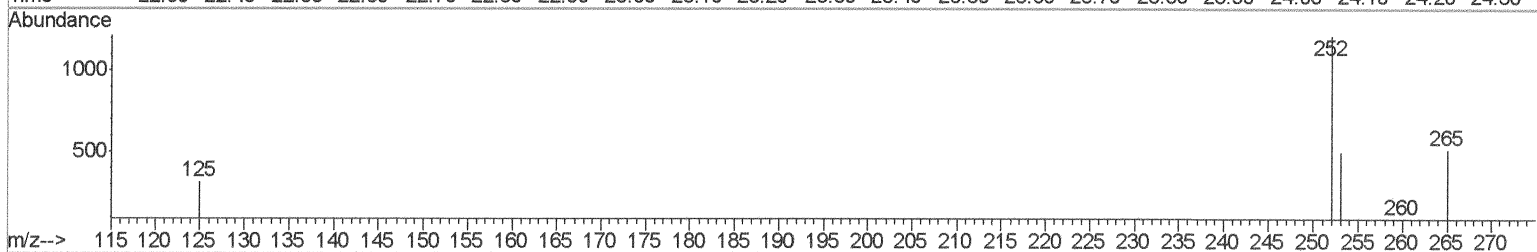
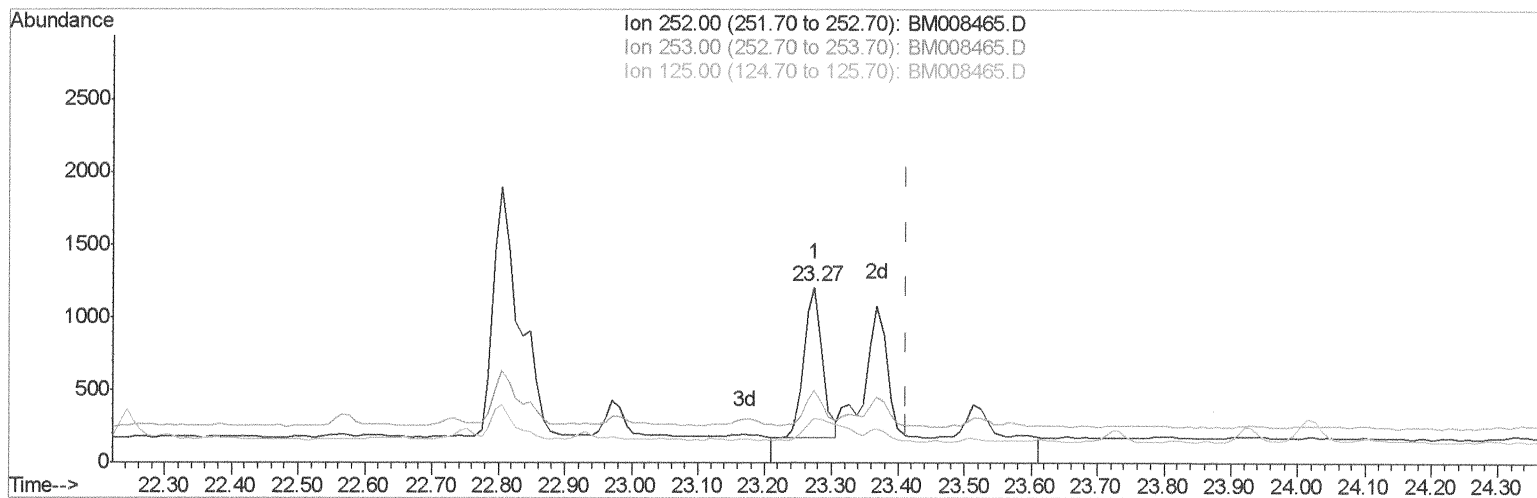
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
APPROVED

sohil
12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:37:59 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: BM008465.D

(23) Benzo(a)pyrene (C)

23.274min (-0.139) 0.38ng/ul

response 1990

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	41.42
125.00	22.60	25.91
0.00	0.00	0.00

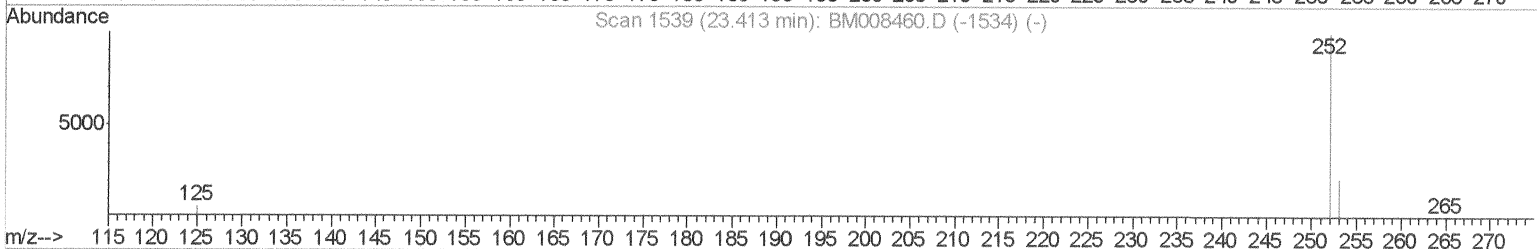
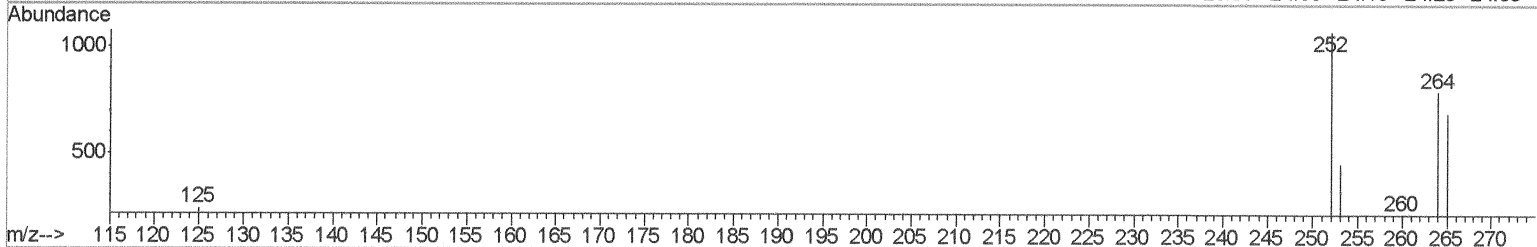
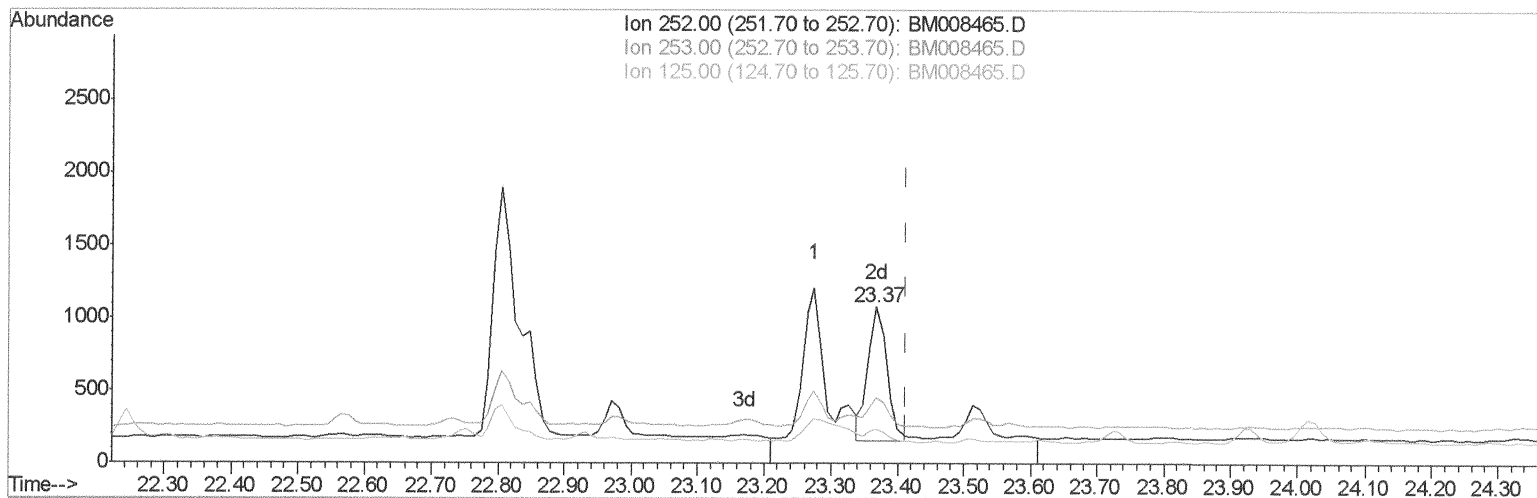
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA829

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:31:29 PM

Quant Time: Dec 20 13:37:59 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: BM008465.D

(23) Benzo(a)pyrene (C)

23.368min (-0.045) 0.36ng/ul m

SJ 12/21/16

response 1862

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	42.25
125.00	22.60	22.38
0.00	0.00	0.00

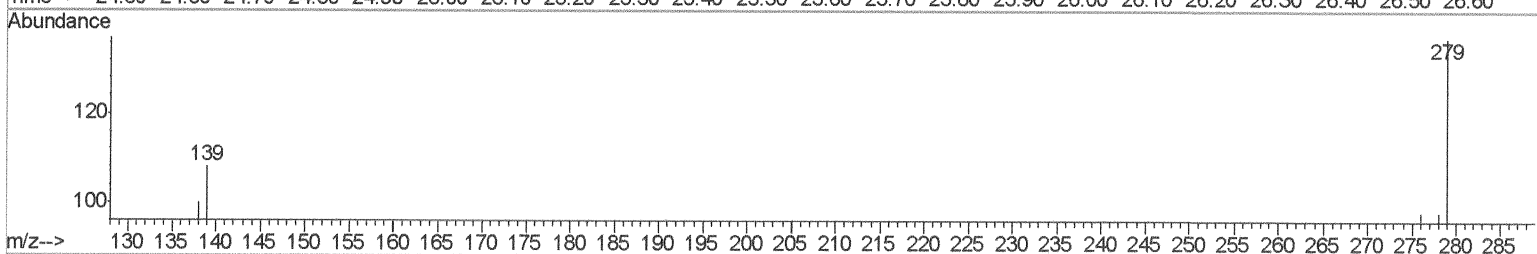
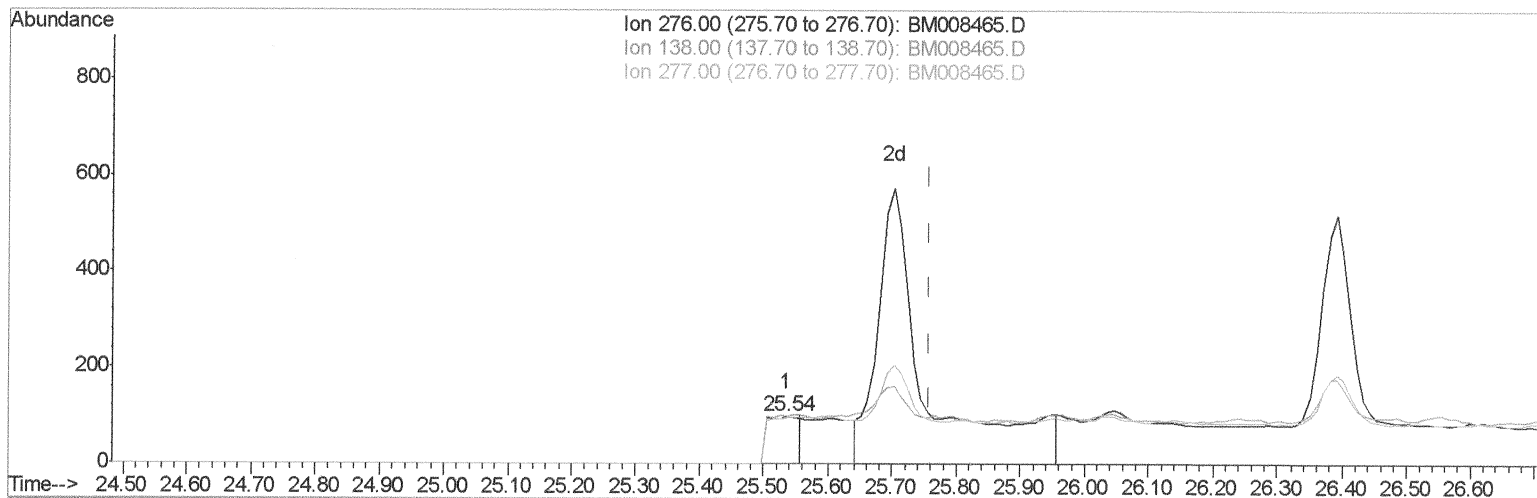
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Time: Dec 20 13:37:59 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: BM008465.D

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

25.536min (-0.222) 0.13ng/ul

response 821

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

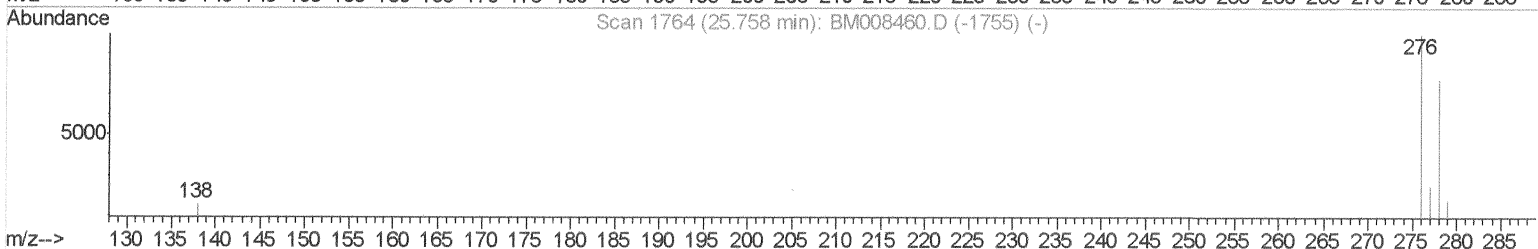
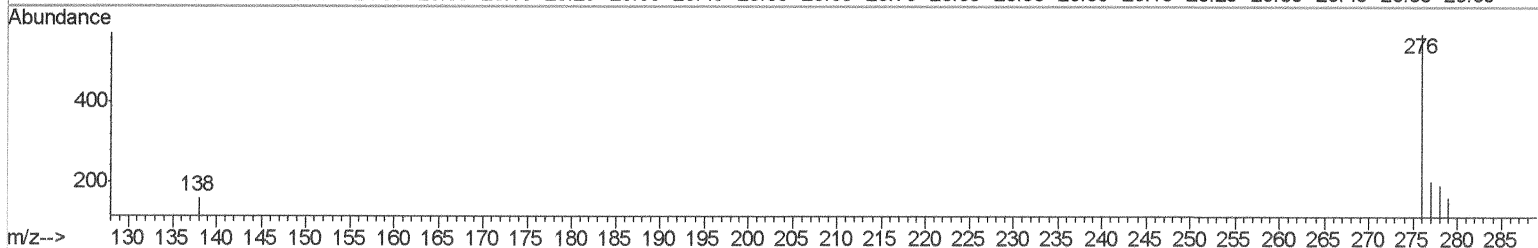
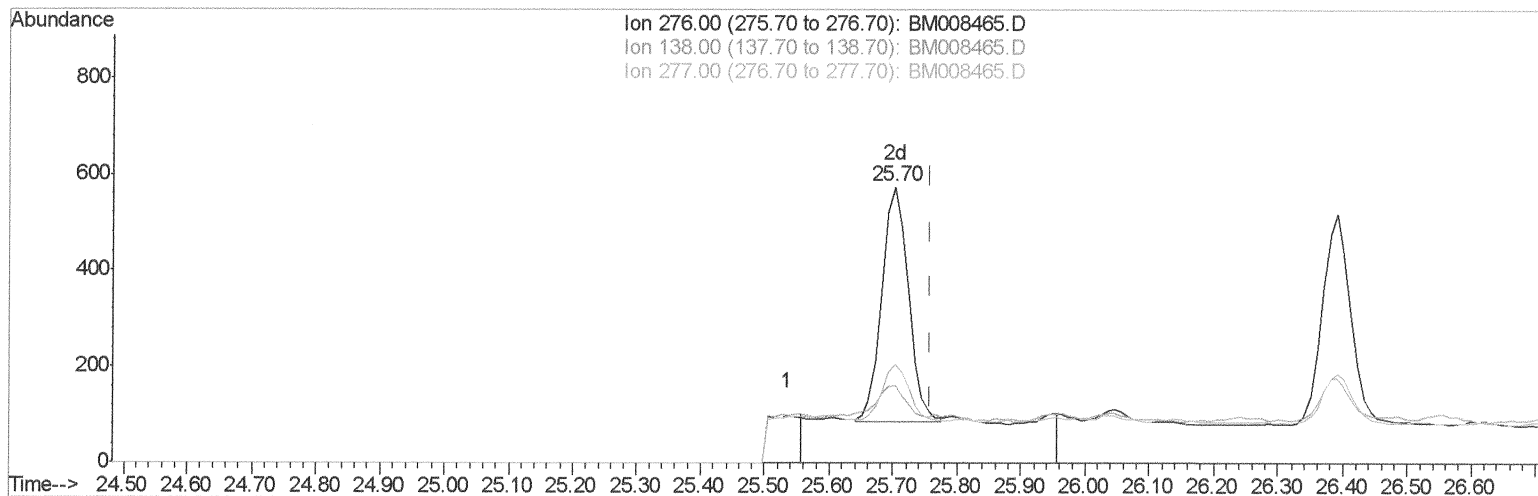
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA829

Manual Integrations
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Quant Time: Dec 20 13:37:59 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: BM008465.D

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

25.703min (-0.056) 0.23ng/ul m

51 12/21/16

response 1410

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

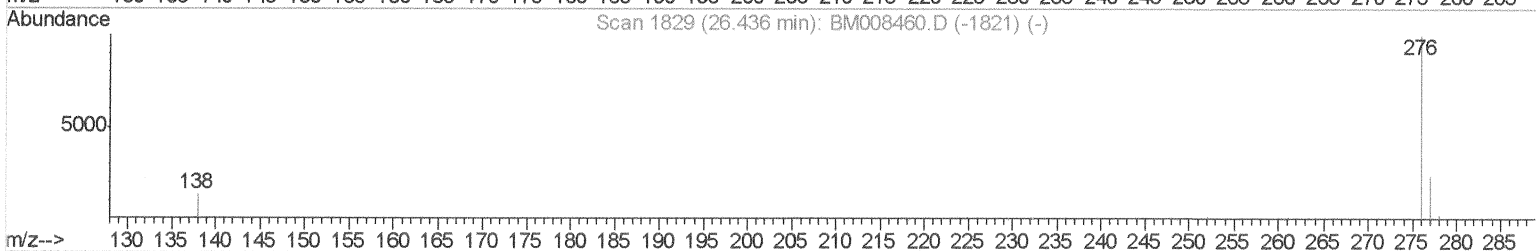
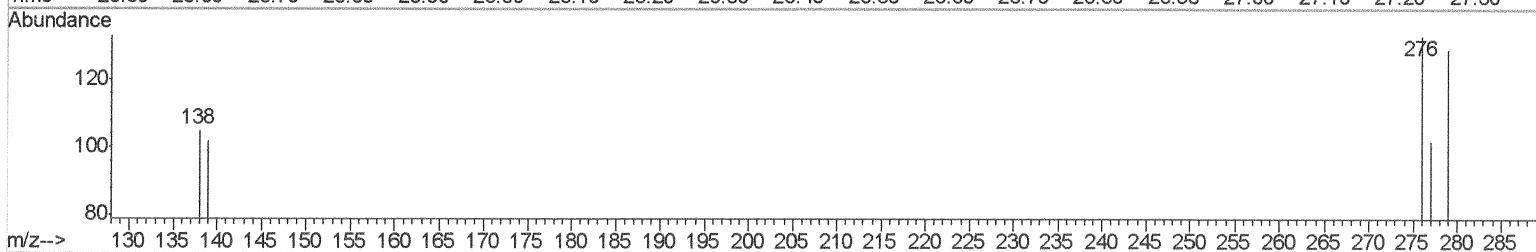
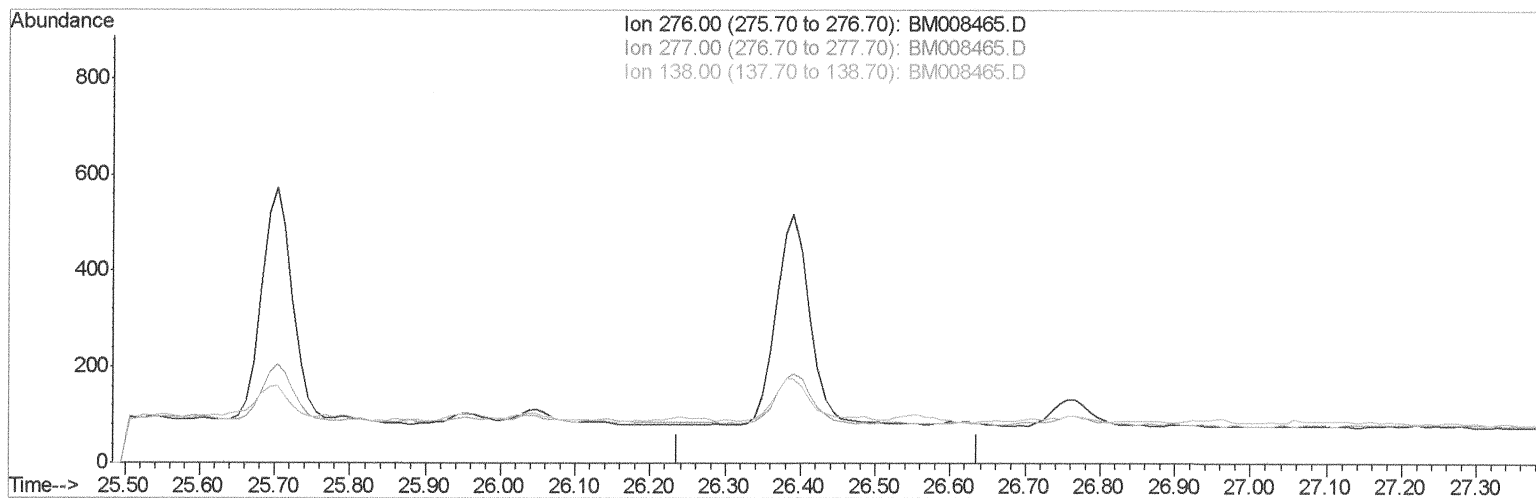
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
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Quant Time: Dec 20 13:37:59 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: BM008465.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

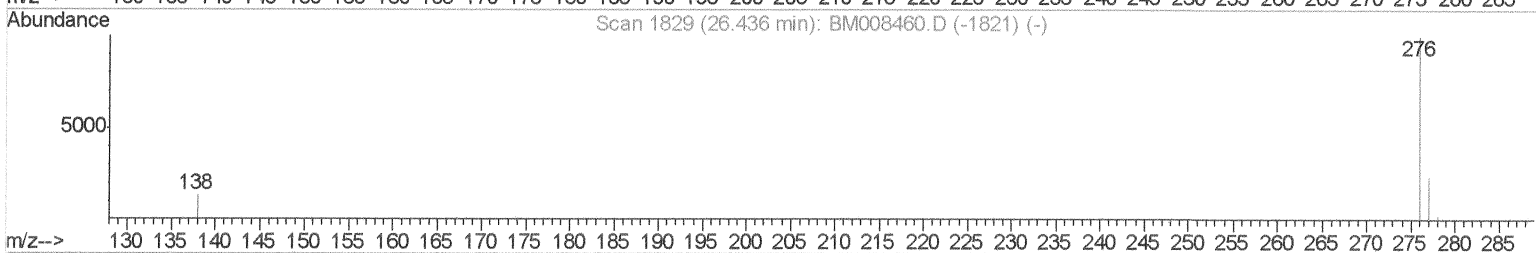
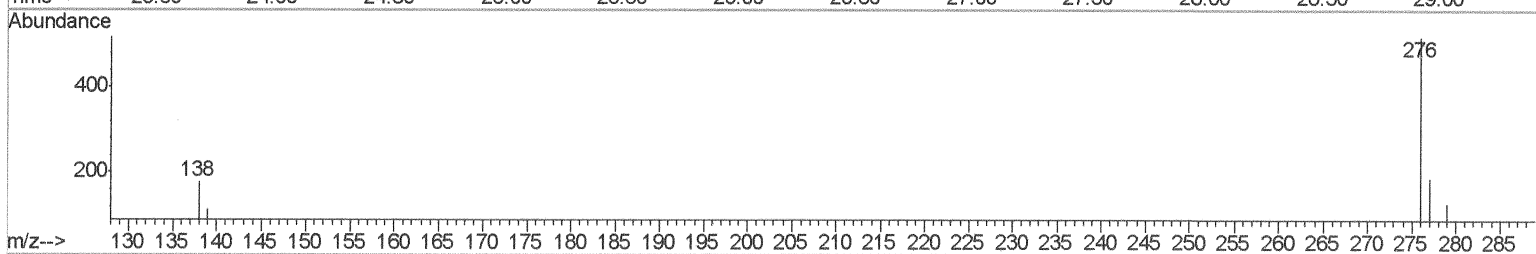
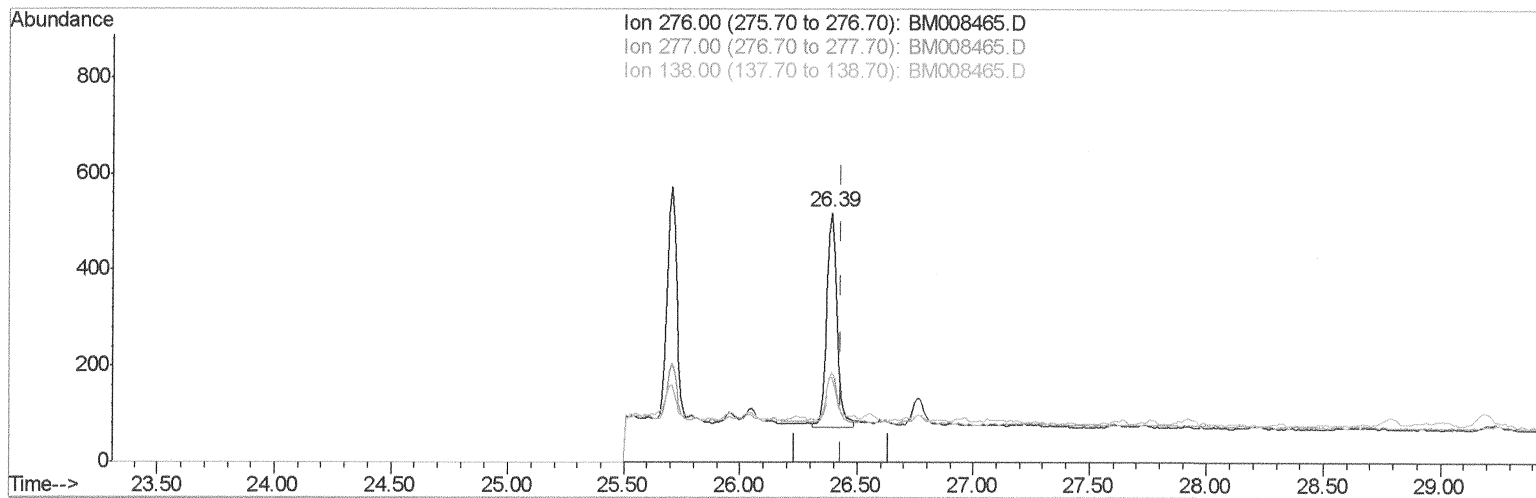
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
Data File : BM008465.D
Acq On : 20 Dec 2016 05:23
Operator : UM/SJ
Sample : H5938-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA829

Manual Integrations
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Quant Time: Dec 20 13:37:59 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: BM008465.D

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

26.391min (-0.045) 0.27ng/ul m

SJ 12/21/16

response 1450

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	36.03#
138.00	25.60	34.10#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121916\
 Data File : BM008465.D
 Acq On : 20 Dec 2016 05:23
 Operator : UM/SJ
 Sample : H5938-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA829

Manual Integrations
 APPROVED

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Quant Time: Dec 20 13:40:21 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	463	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.43	136	1685	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.30	164	1082	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	2103m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.25	240	1881	0.40	ng/ul	-0.02
20) Perylene-d12	23.47	264	1423m	0.40	ng/ul	-0.03

} SJ 12/21/16

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.03	152	718	0.28	ng/ul	-0.07
14) Fluoranthene-d10	19.08	212	1791m	0.31	ng/ul	-0.03

} SJ 12/21/16

Target Compounds

					Qvalue
3) Naphthalene	10.48	128	2213	0.47	ng/ul 99
5) 2-Methylnaphthalene	12.10	142	2356	0.74	ng/ul 99
8) Acenaphthene	14.35	153	213	0.06	ng/ul# 87
9) Fluorene	15.34	166	367	0.09	ng/ul# 57
12) Phenanthrene	17.07	178	3546	0.55	ng/ul 94
13) Anthracene	17.18	178	777m	0.12	ng/ul
15) Fluoranthene	19.11	202	3111	0.40	ng/ul 91
17) Pyrene	19.47	202	3729	0.51	ng/ul 92
18) Benzo(a)anthracene	21.23	228	2091	0.34	ng/ul# 82
19) Chrysene	21.28	228	2209	0.33	ng/ul# 83
21) Benzo(b)fluoranthene	22.80	252	4014m	0.72	ng/ul
22) Benzo(k)fluoranthene	22.85	252	914m	0.17	ng/ul
23) Benzo(a)pyrene	23.37	252	1862m	0.36	ng/ul
24) Indeno(1,2,3-cd)pyrene	25.70	276	1410m	0.23	ng/ul
26) Benzo(g,h,i)perylene	26.39	276	1450m	0.27	ng/ul

} SJ 12/21/16

} SJ 12/21/16

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