

Quantitation Report (QT Reviewed)

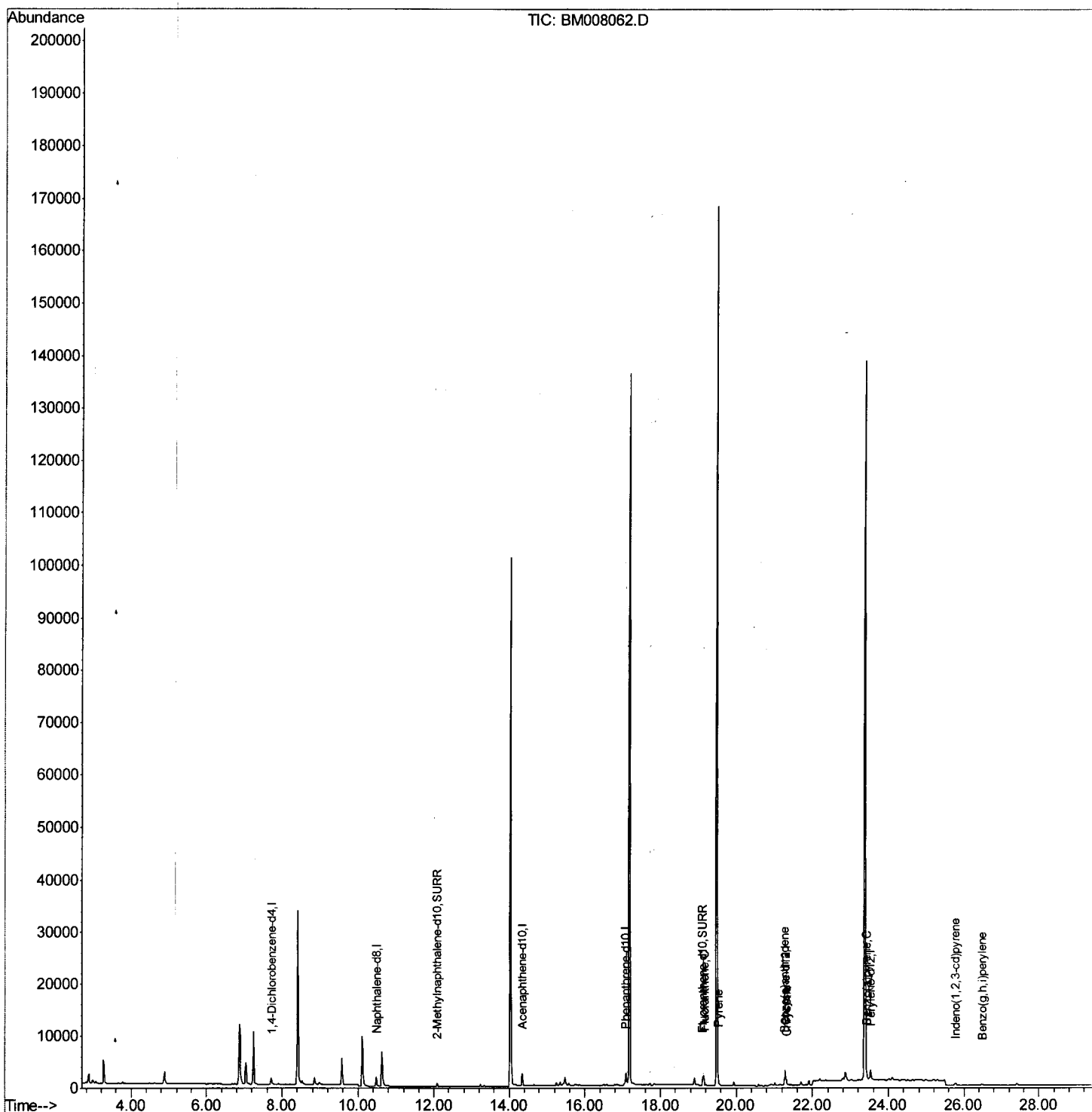
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 25 01:18:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration



Quantitation Report (Qedit)

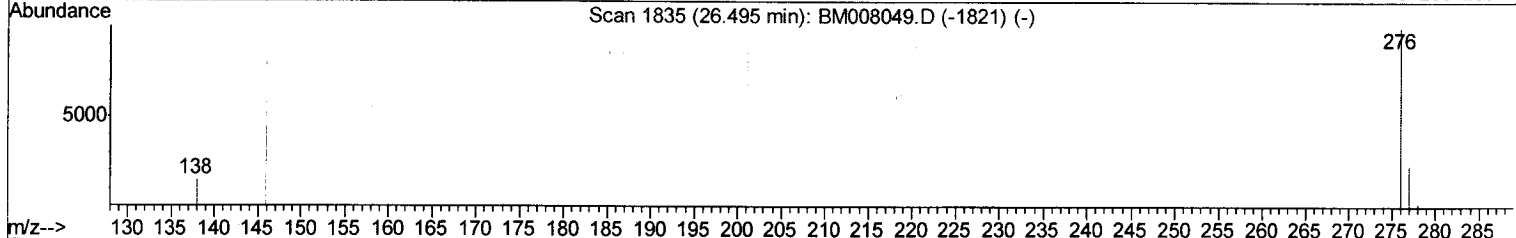
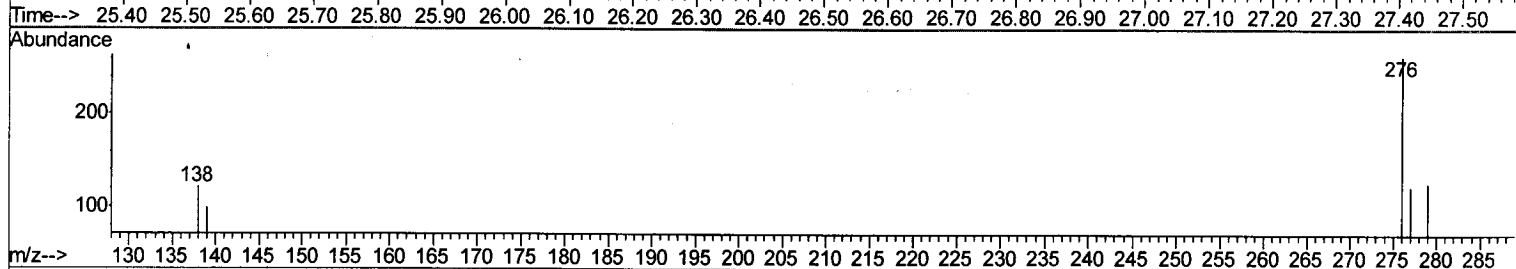
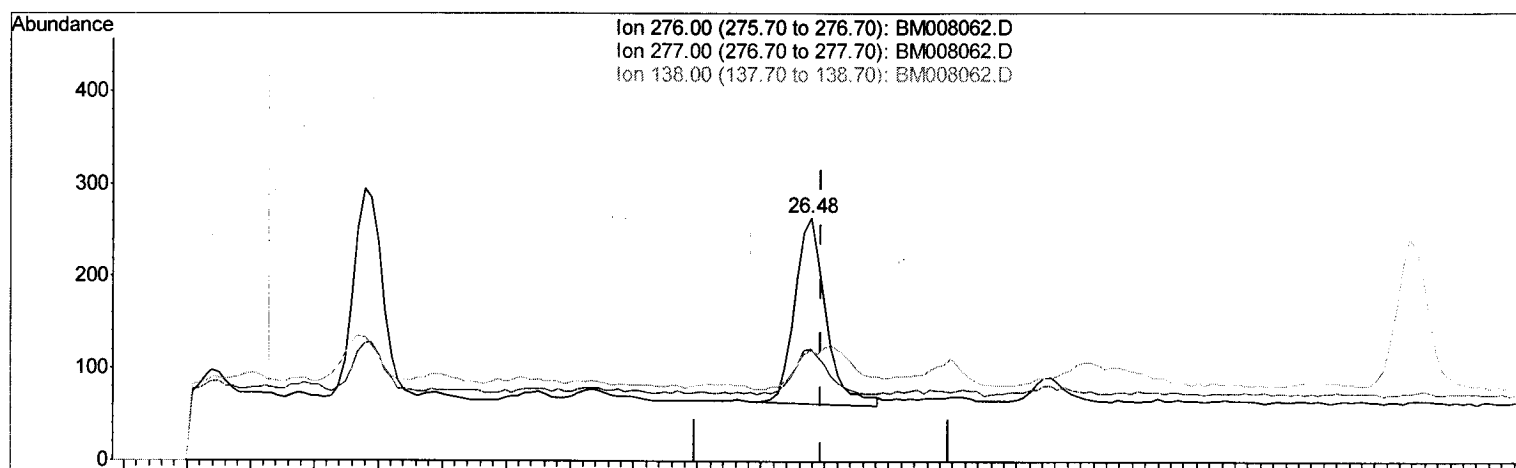
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 25 01:17:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration



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

26.478min (-0.018) 0.07ng/ul m

response 682

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	46.21#
138.00	25.60	45.83#
0.00	0.00	0.00

S. J.
 11/29/16

Quantitation Report (Qedit)

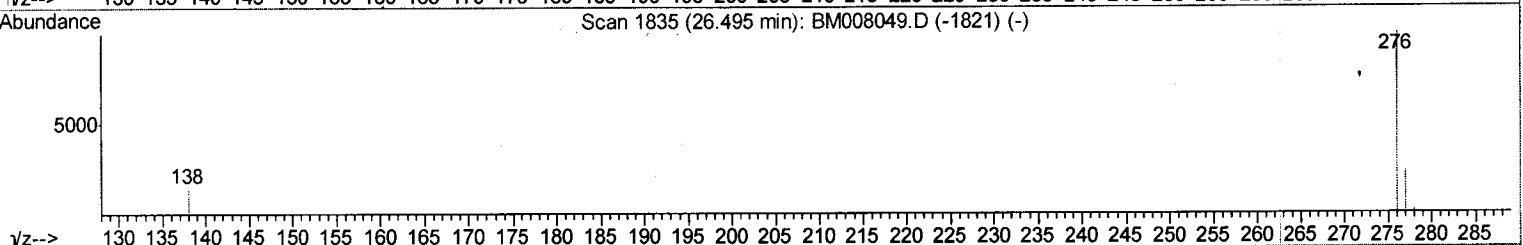
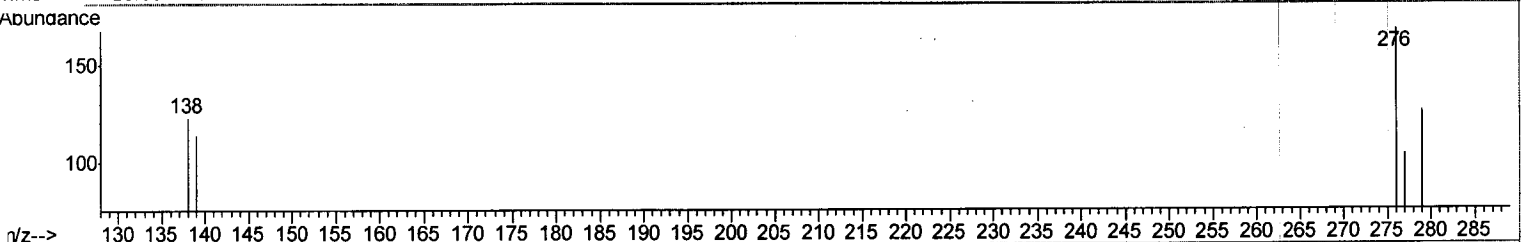
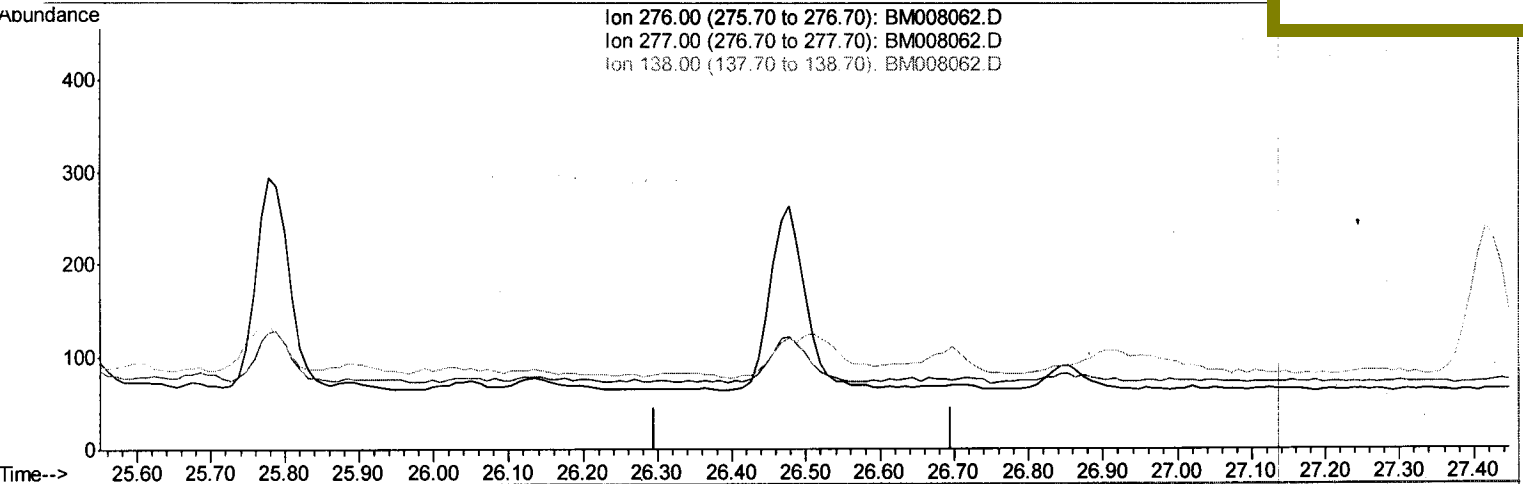
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
Data File : BM008062.D
Acq On : 24 Nov 2016 07:56
Operator : UM/SJ
Sample : H5701-22
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 25 01:17:20 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 04:11:15 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WF8

Manual Integrations
APPROVED

umangi
11/29/2016 4:37:57 PM



TIC: BM008062.D

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

26.495min (-26.495) 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

Quantitation Report (Qedit)

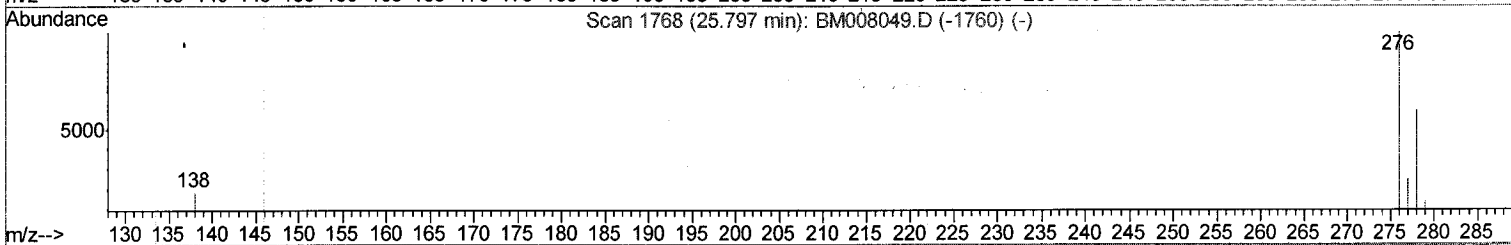
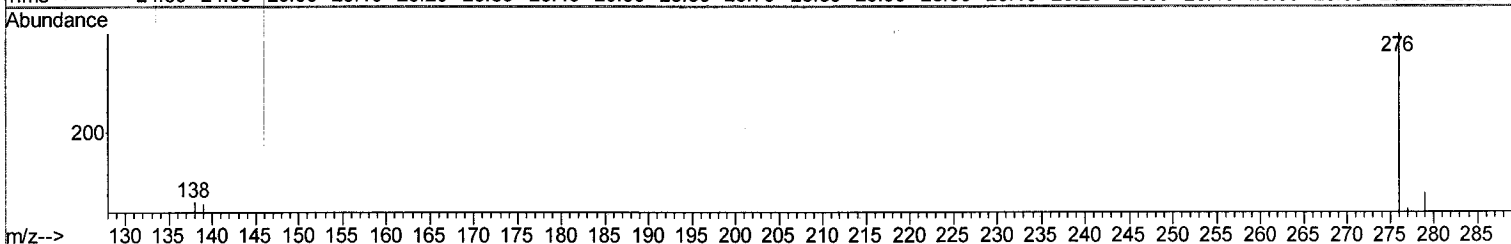
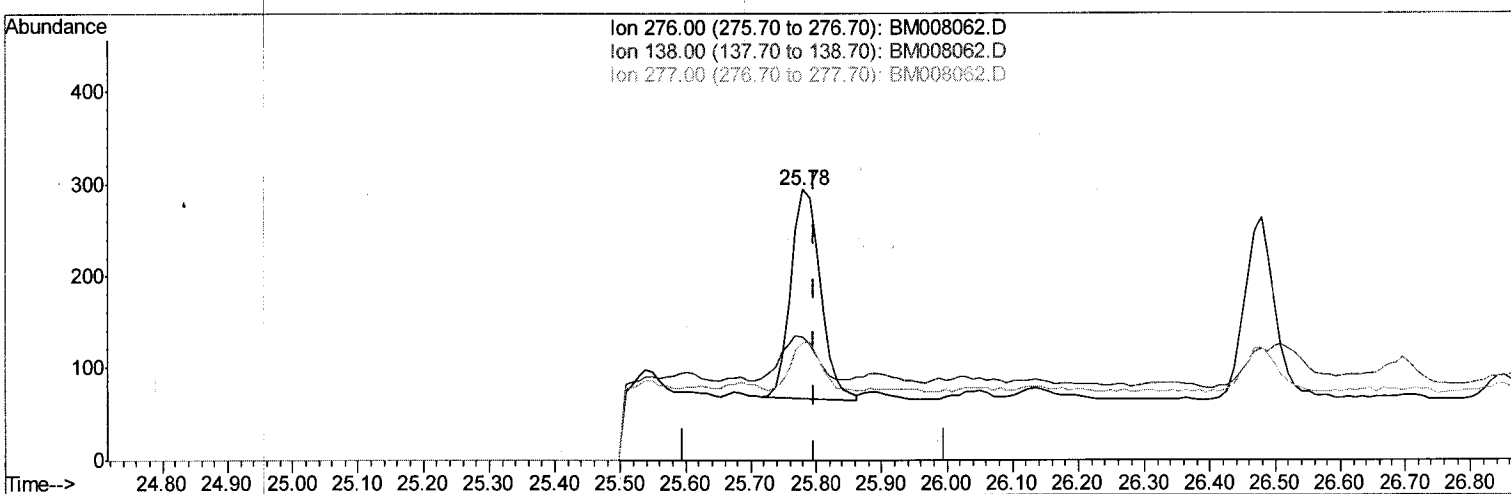
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 25 01:17:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration



TIC: BM008062.D

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

25.779min (-0.018) 0.06ng/ul m

response 717

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	160.11#
0.00	0.00	0.00

S. J.
 11/29/16

Quantitation Report (Qedit)

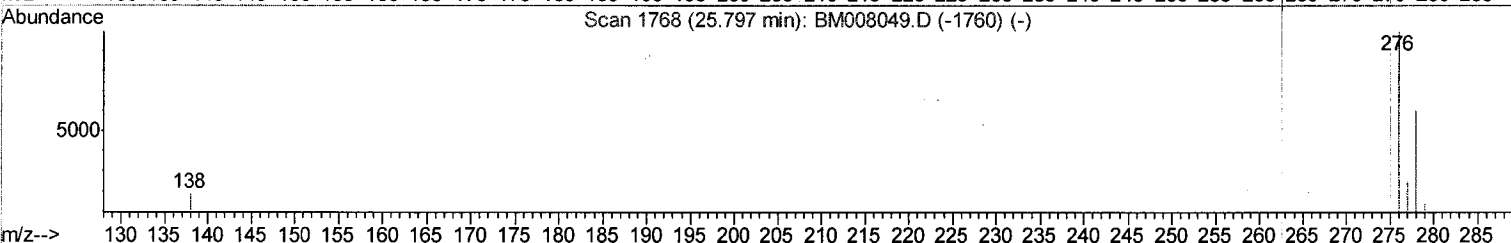
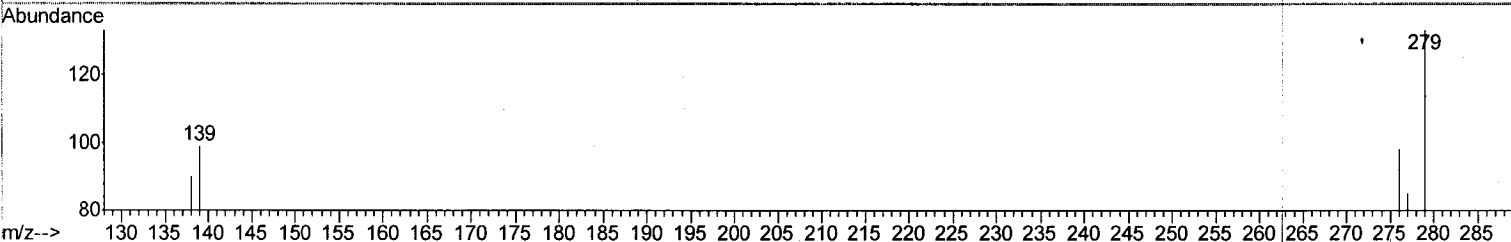
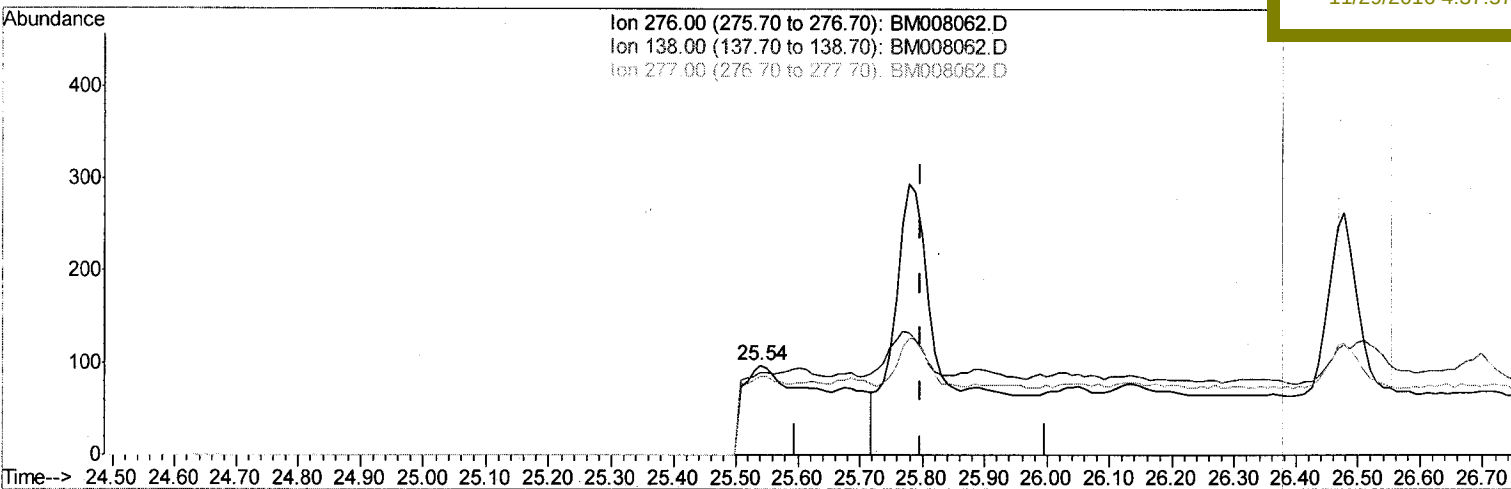
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Quant Time: Nov 25 01:17:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM



TIC: BM008062.D

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

25.539min (-0.257) 0.08ng/ul

response 999

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	114.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

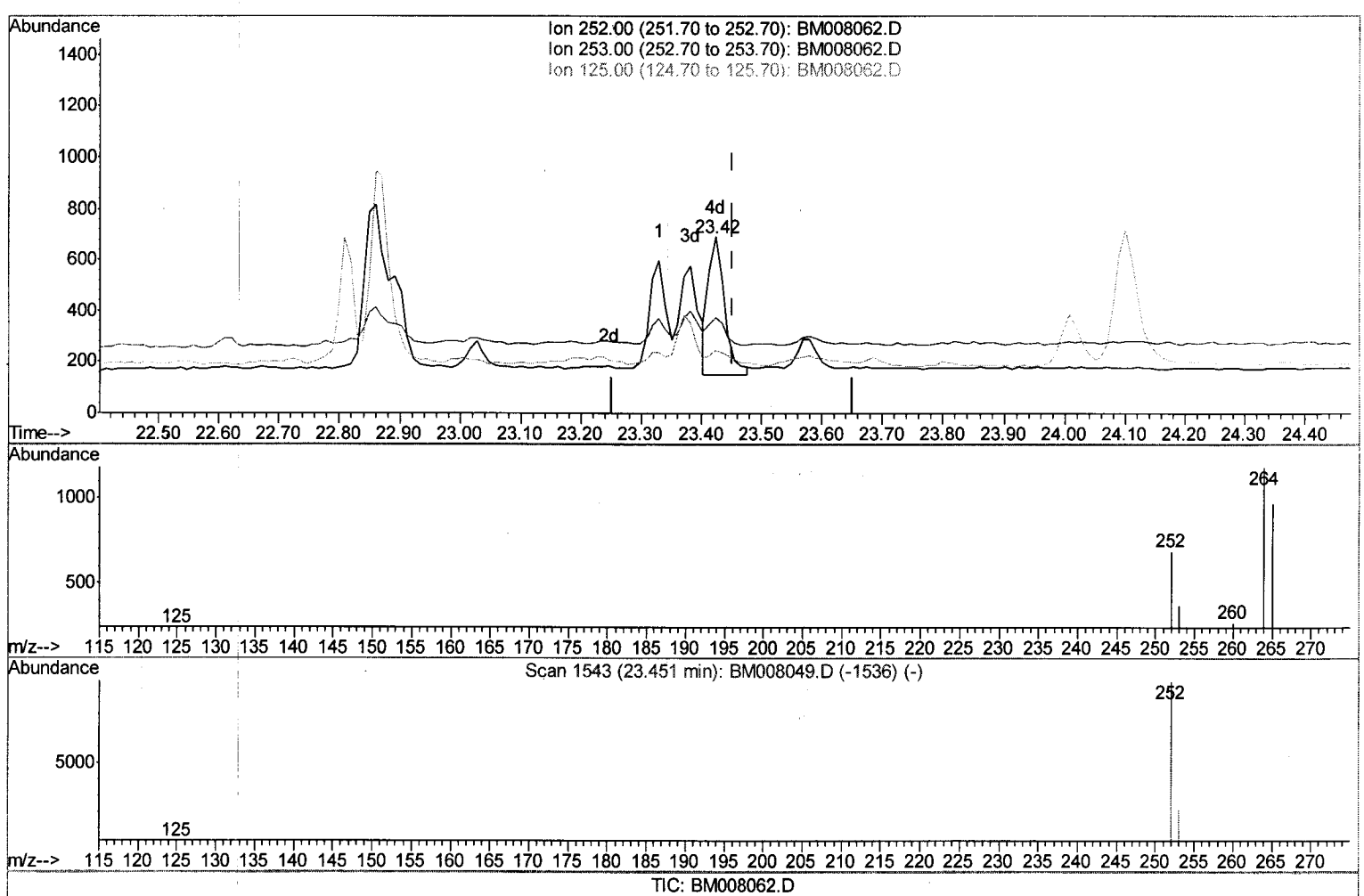
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 25 01:17:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.423min (-0.028) 0.10ng/ul m

response 985

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	54.20#
125.00	22.60	35.22#
0.00	0.00	0.00

S. J.
 11/29/16

Quantitation Report (Qedit)

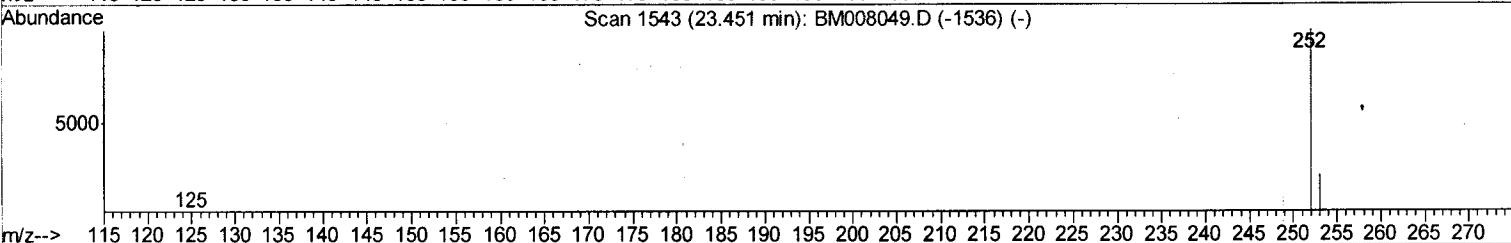
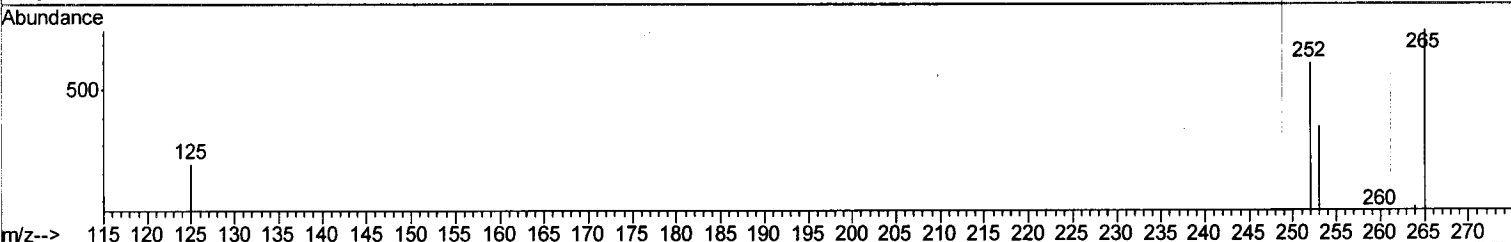
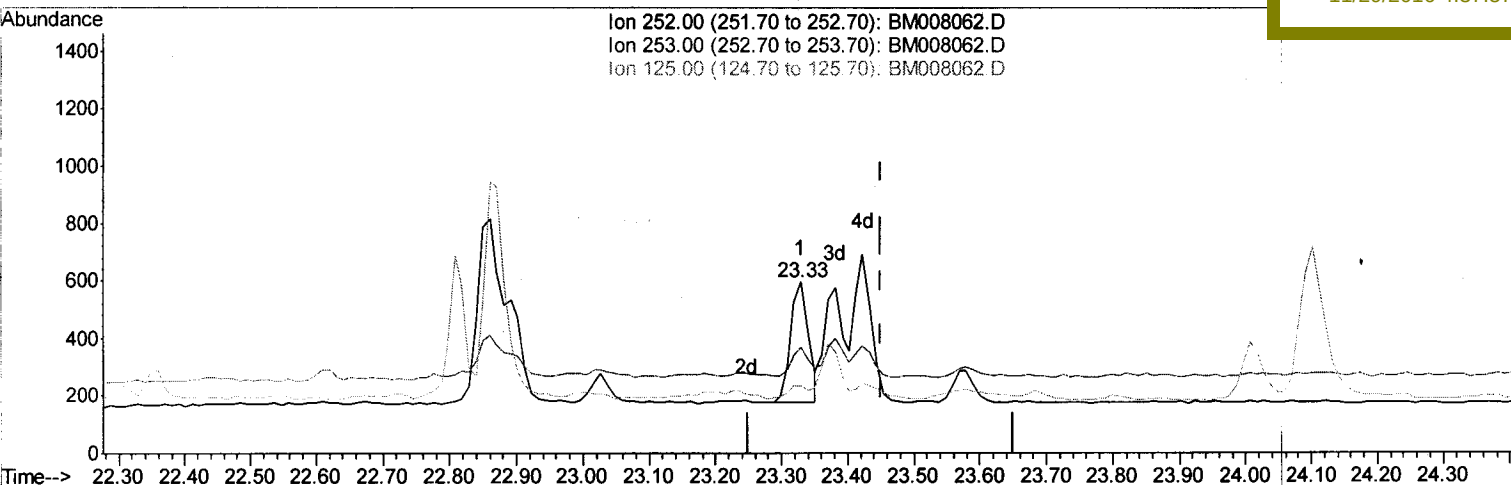
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Quant Time: Nov 25 01:17:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM



TIC: BM008062.D

(23) Benzo(a)pyrene (C)

23.329min (-0.122) 0.08ng/ul

response 793

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	61.85#
125.00	22.60	39.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

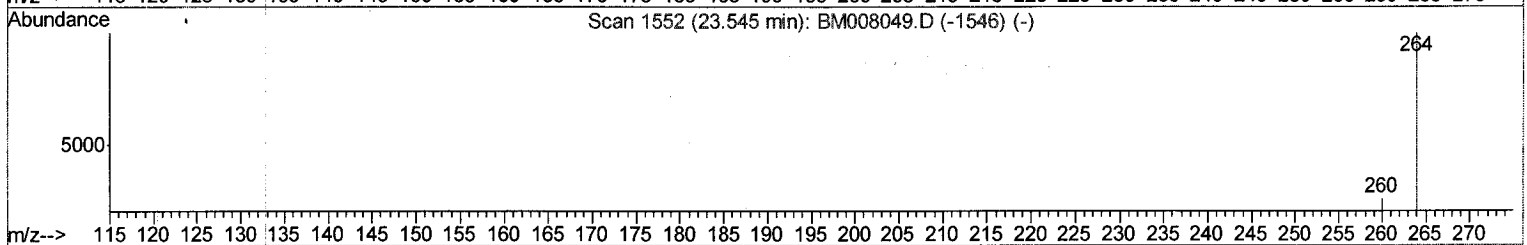
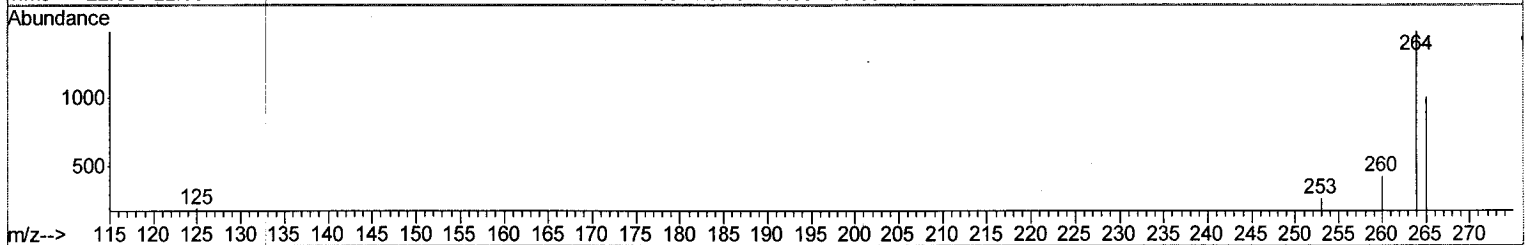
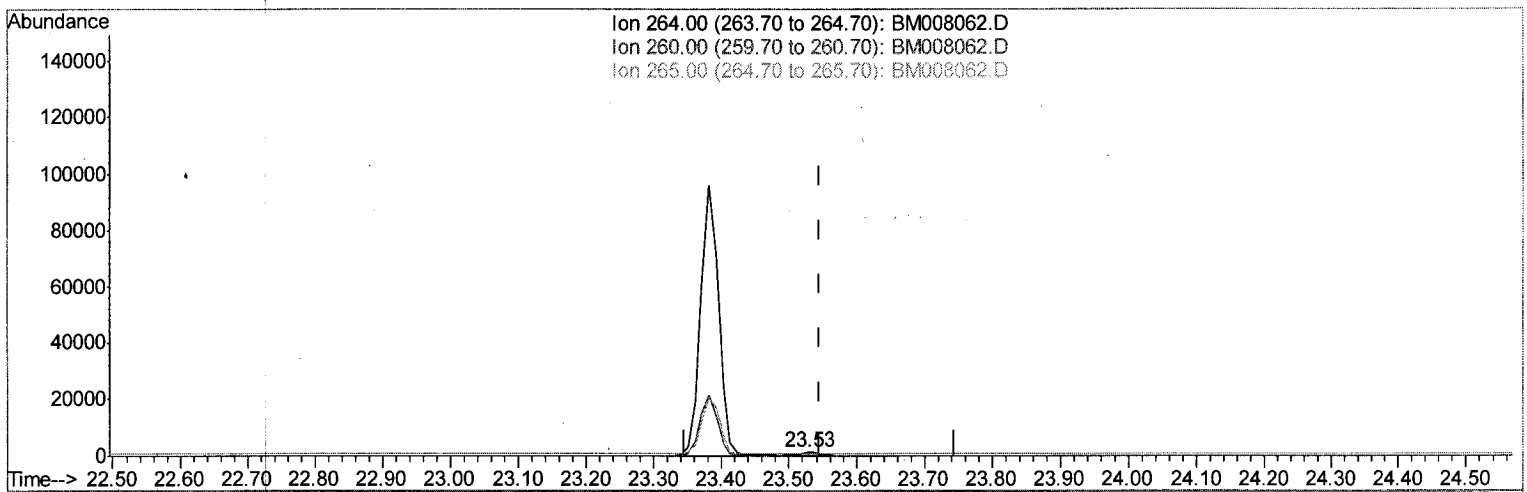
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 25 00:23:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration



TIC: BM008062.D

(20) Perylene-d12 (I)

23.528min (-0.018) 0.40ng/ul m

response 2544

S. J.
 11/29/16

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.00
265.00	103.50	67.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

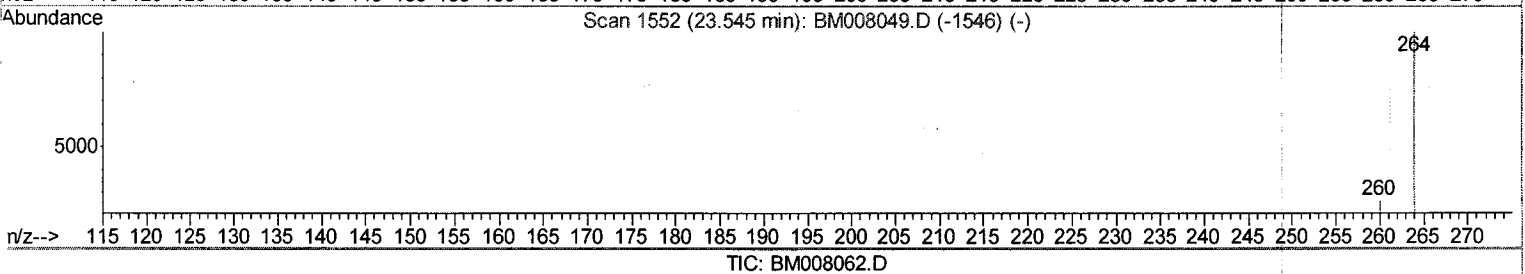
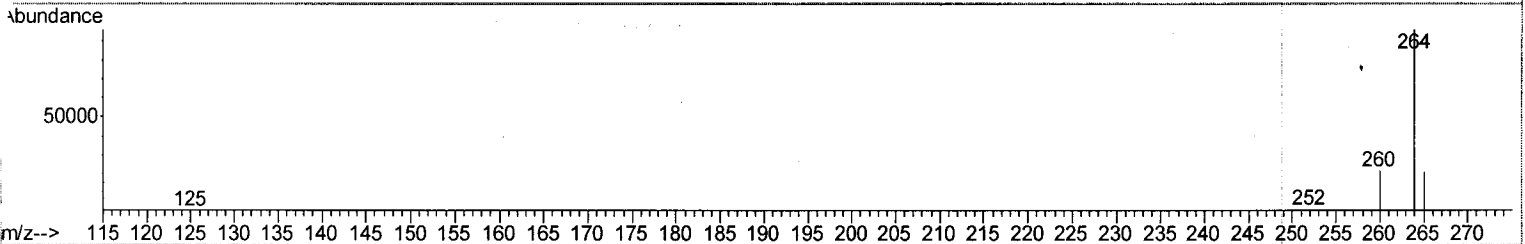
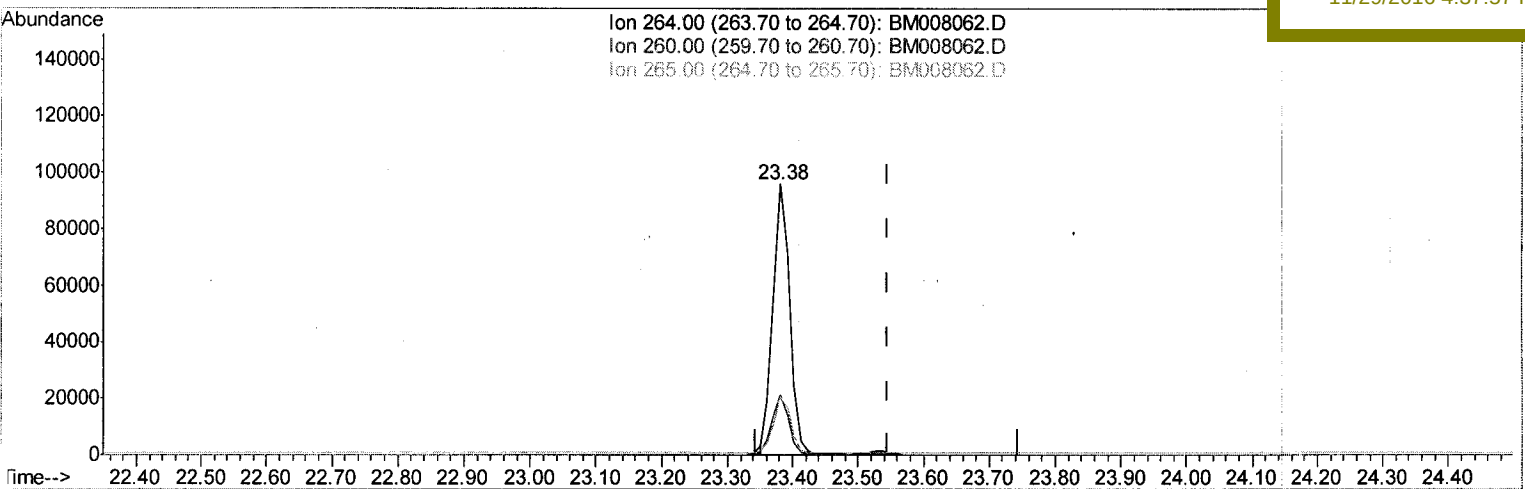
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 25 00:23:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.382min (-0.164) 0.40ng/ul

response 172977

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.18#
265.00	103.50	21.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

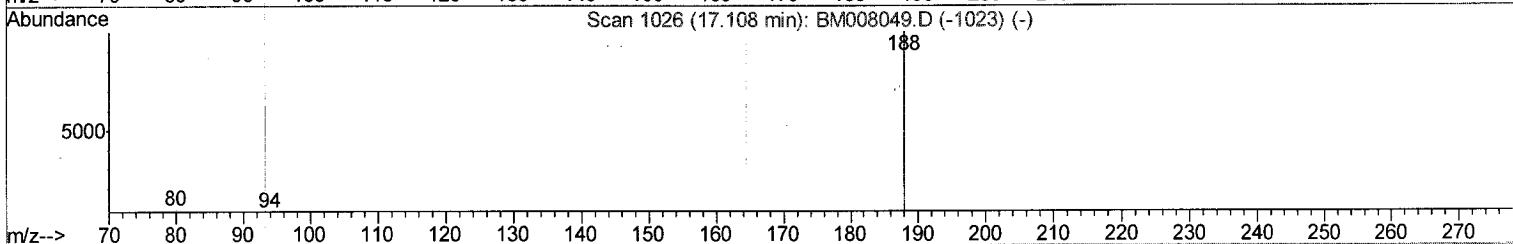
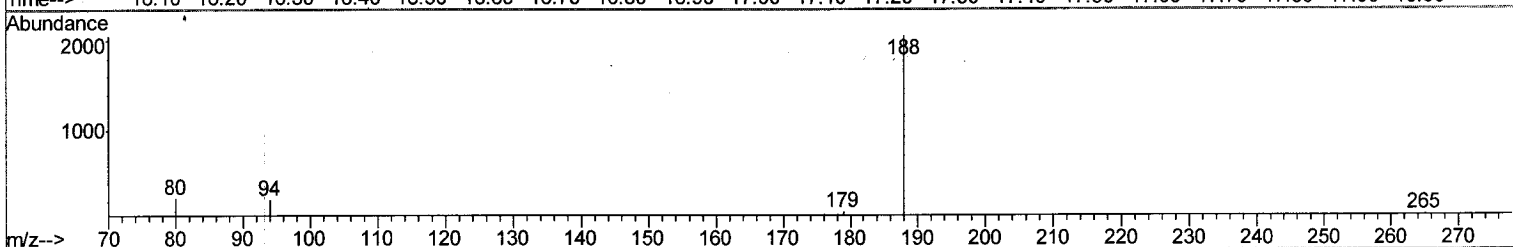
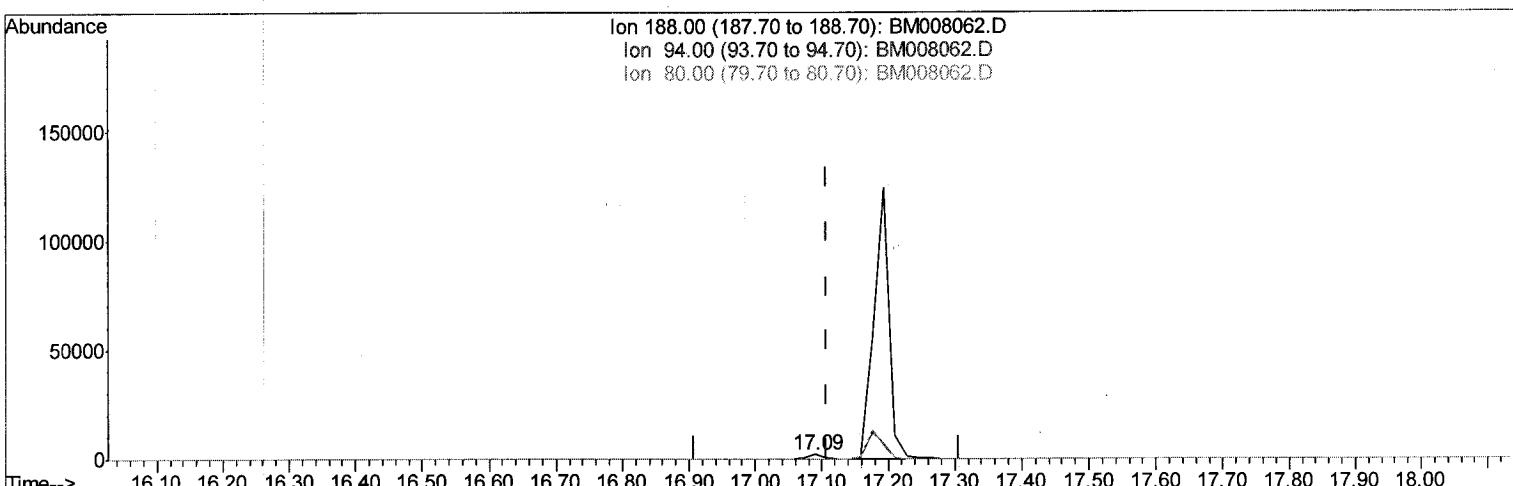
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 25 00:23:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration



TIC: BM008062.D

(10) Phenanthrene-d10 (I)

17.090min (-0.017) 0.40ng/ul m

response 3259

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.87
80.00	11.80	11.50
0.00	0.00	0.00

S.J.
 11/29/16

Quantitation Report (Qedit)

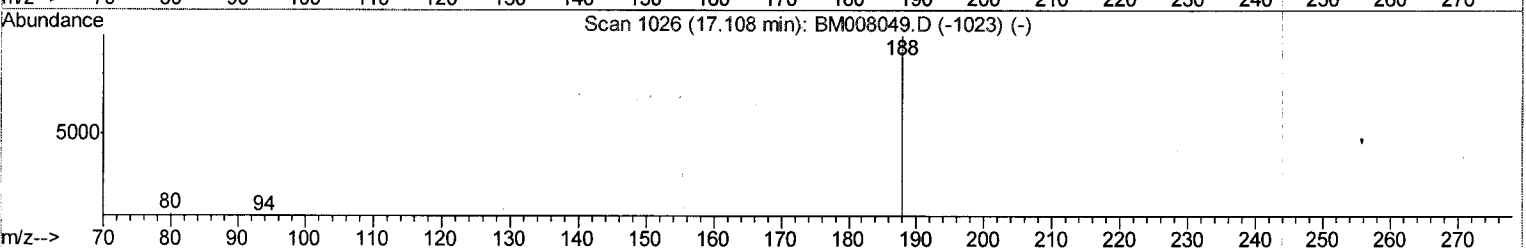
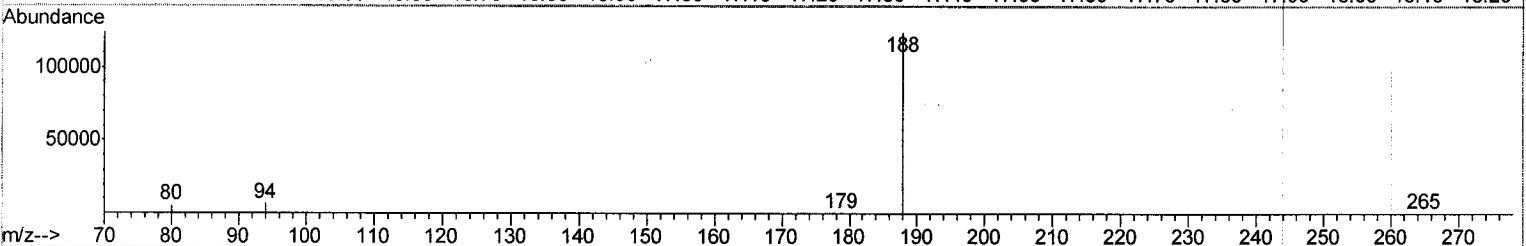
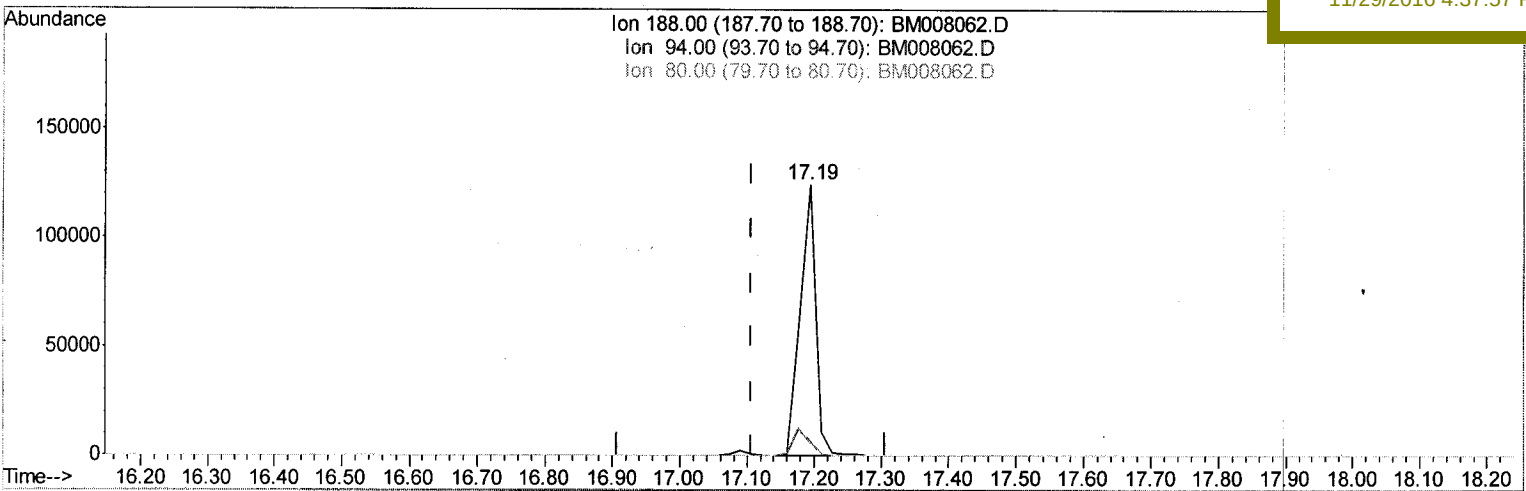
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 25 00:23:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM



TIC: BM008062.D

(10) Phenanthrene-d10 (I)
 17.193min (+0.086) 0.40ng/ul
 response 197635

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.34#
80.00	11.80	4.35#
0.00	0.00	0.00

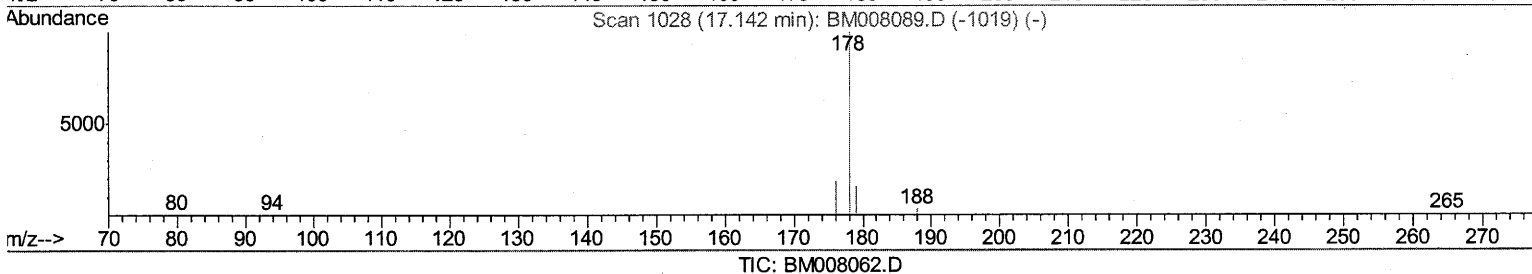
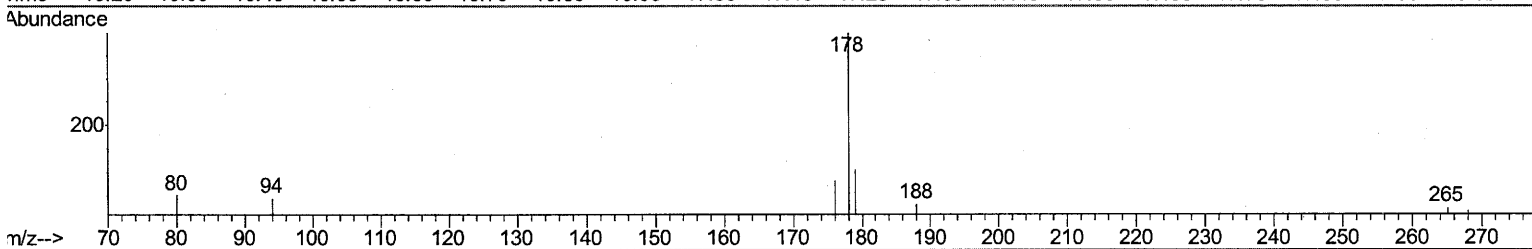
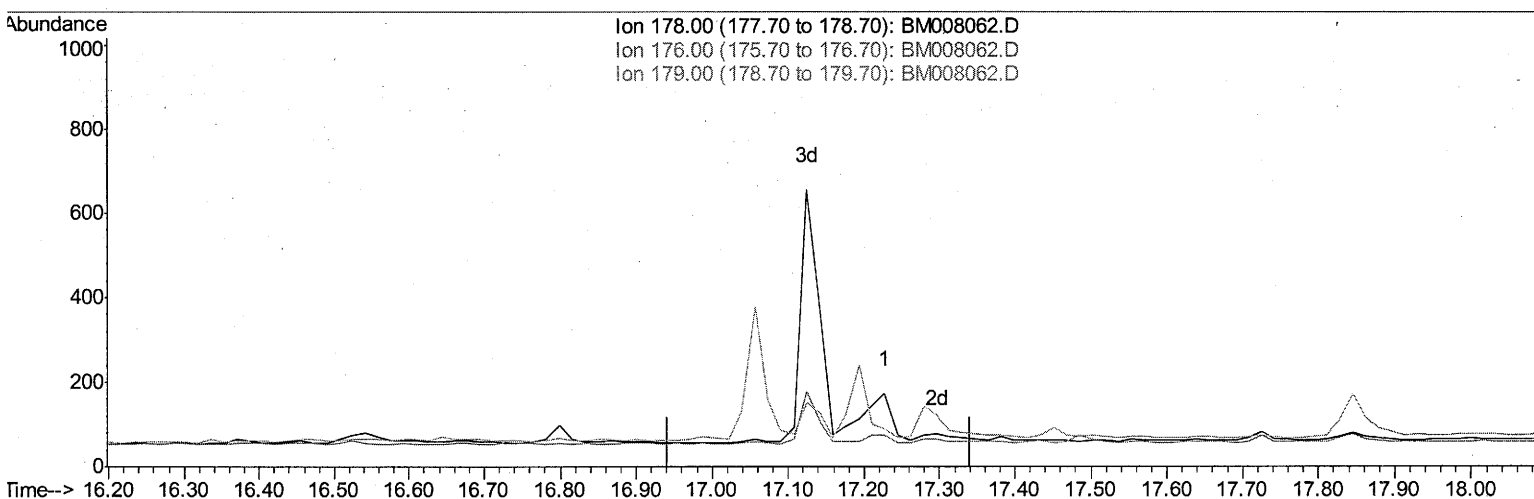
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112316\
Data File : BM008062.D
Acq On : 24 Nov 2016 07:56
Operator : UM/SJ
Sample : H5701-22
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WF8

Manual Integrations
APPROVED

umangi
11/29/2016 4:37:57 PM

Quant Time: Nov 25 01:18:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 04:11:15 2016
Response via : Initial Calibration



(12) Phenanthrene

17.142min (-17.142) 0.00ng/ul d

response 0

Ion	Exp%	Act%
178.00	100	0.00
176.00	23.00	0.00
179.00	17.00	0.00
0.00	0.00	0.00

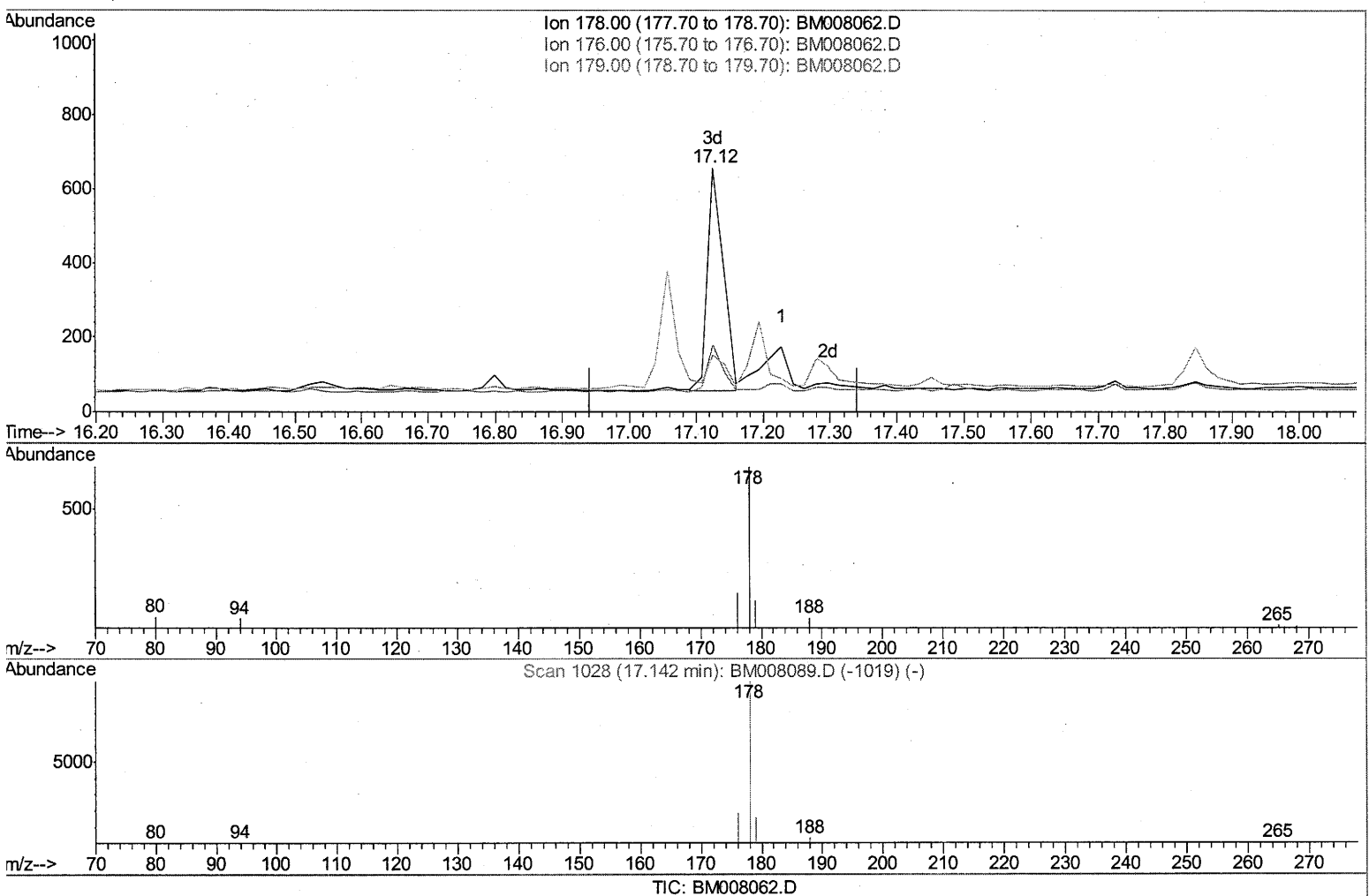
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112316\
Data File : BM008062.D
Acq On : 24 Nov 2016 07:56
Operator : UM/SJ
Sample : H5701-22
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4WF8

Manual Integrations
APPROVED

umangi
11/29/2016 4:37:57 PM

Quant Time: Nov 25 01:18:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 04:11:15 2016
Response via : Initial Calibration



(12) Phenanthrene

17.125min (-0.017) 0.10ng/ul m

UM

response 986

11/29/16

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	27.40
179.00	17.00	23.14#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM112316\
 Data File : BM008062.D
 Acq On : 24 Nov 2016 07:56
 Operator : UM/SJ
 Sample : H5701-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4WF8

Manual Integrations
 APPROVED

umangi
 11/29/2016 4:37:57 PM

Quant Time: Nov 29 10:04:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	707	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.49	136	2461	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1549	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	3259m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2907	0.40	ng/ul	-0.02
20) Perylene-d12	23.53	264	2544m	0.40	ng/ul	-0.02

} um
 11/29/16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	1076	0.31	ng/ul	-0.03
14) Fluoranthene-d10	19.13	212	2309	0.25	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) Phenanthrene	17.12	178	986m	0.10	ng/ul	
15) Fluoranthene	19.16	202	2328	0.18	ng/ul	95
17) Pyrene	19.52	202	2418	0.24	ng/ul#	94
18) Benzo(a)anthracene	21.28	228	1004	0.11	ng/ul#	78
19) Chrysene	21.33	228	1106	0.10	ng/ul#	83
23) Benzo(a)pyrene	23.42	252	985m	0.10	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.78	276	717m	0.06	ng/ul	
26) Benzo(g,h,i)perylene	26.48	276	682m	0.07	ng/ul	

} um
 11/29/16

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