

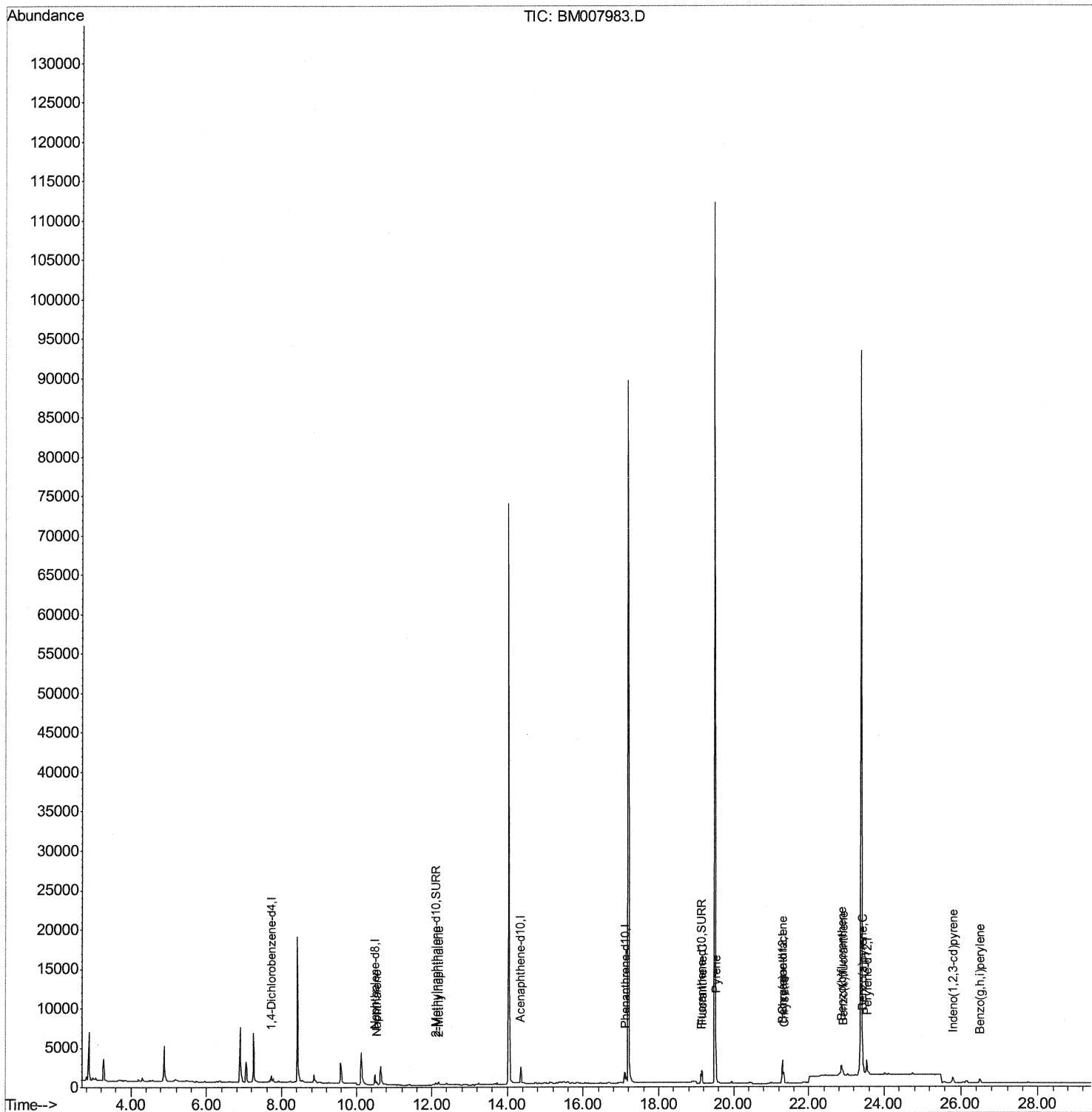
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
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sohil
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Quant Time: Nov 22 10:40:26 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



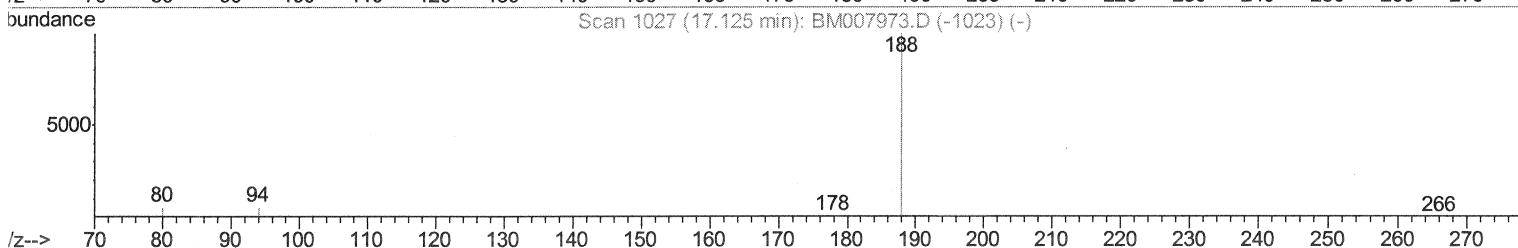
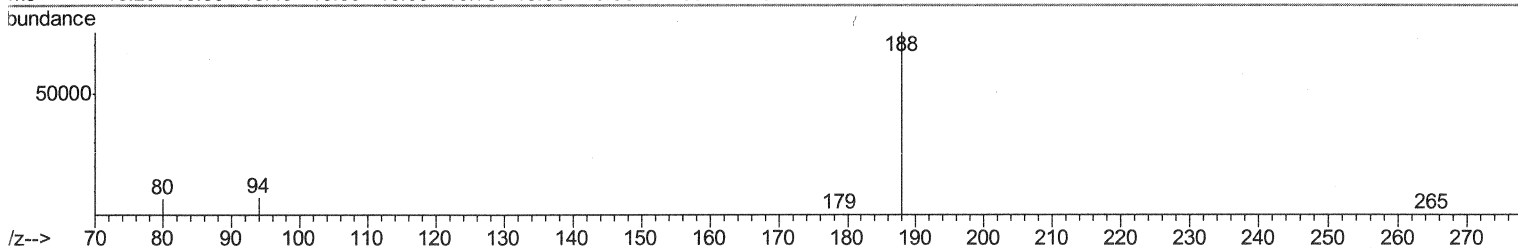
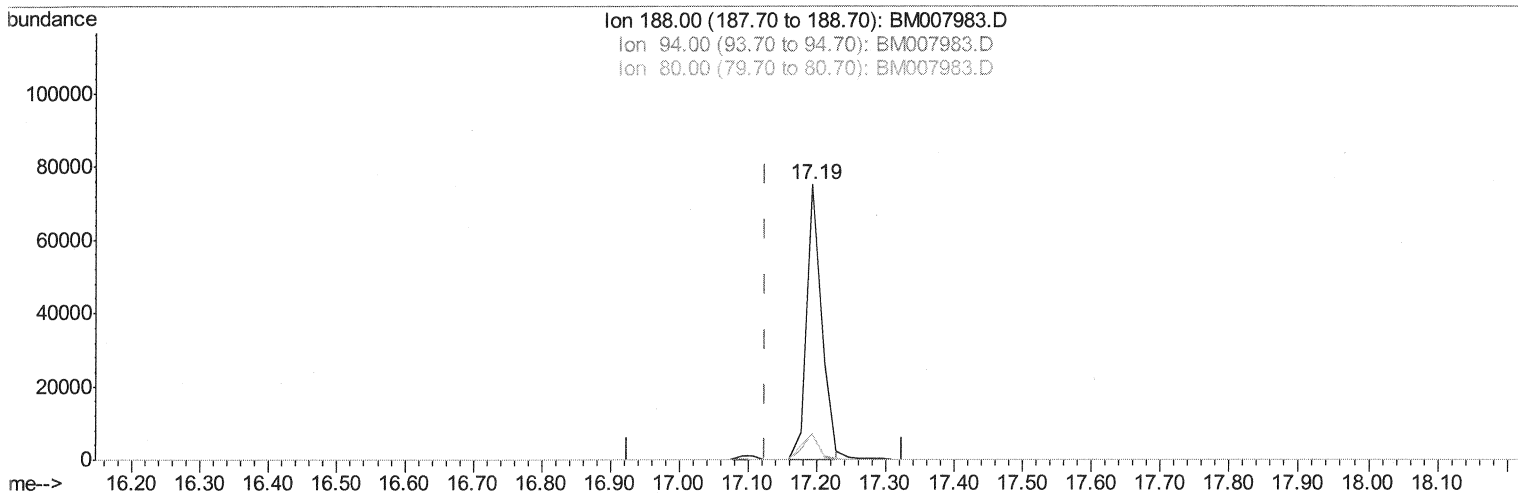
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
 APPROVED

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 11/22/2016 4:00:28 PM

Quant Time: Nov 22 10:36:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



TIC: BM007983.D

(10) Phenanthrene-d10 (I)

17.193min (+0.069) 0.40ng/ul

response 114248

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.53
80.00	11.80	8.95#
0.00	0.00	0.00

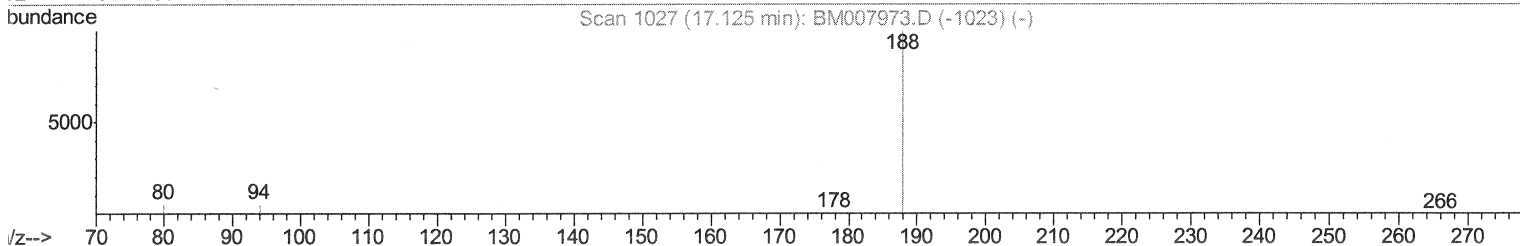
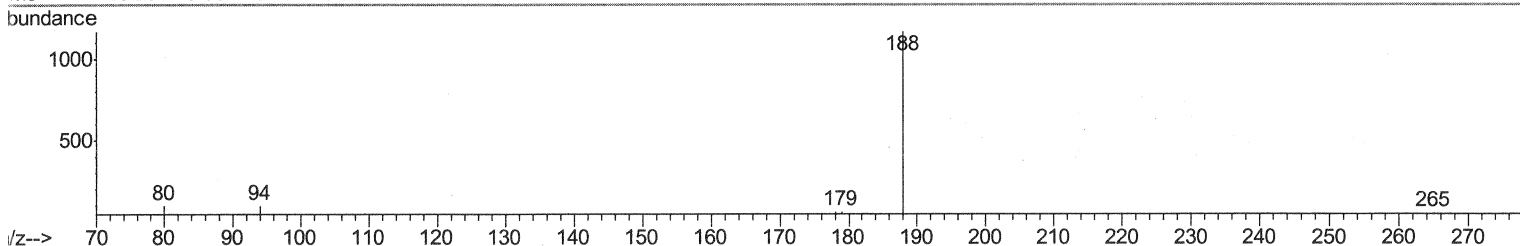
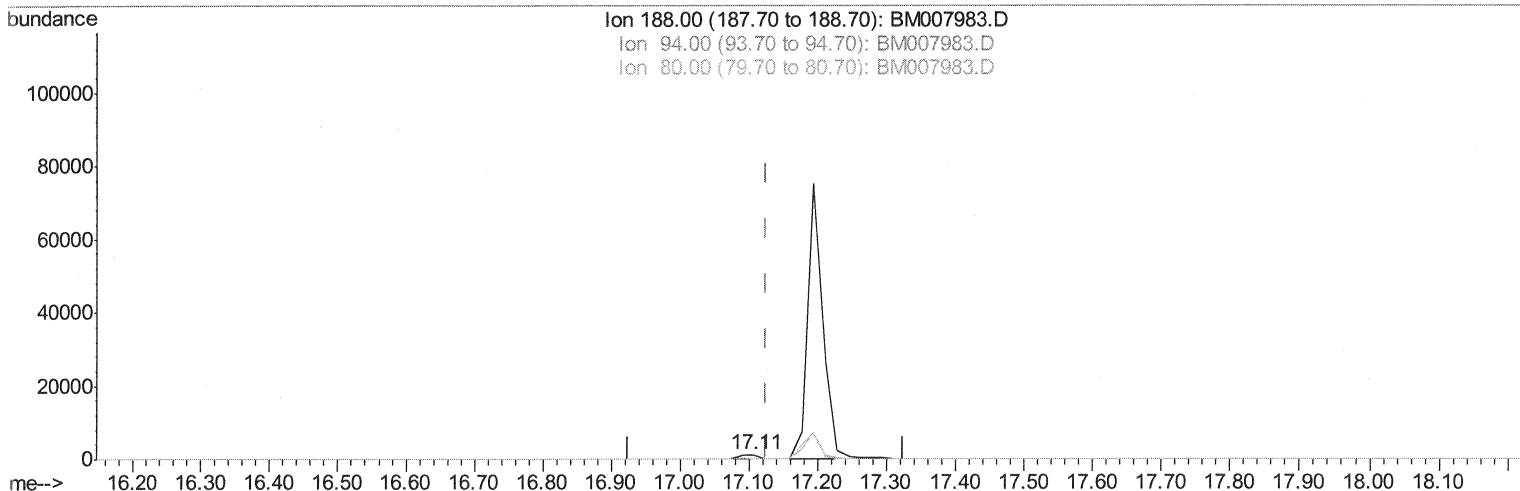
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
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Quant Time: Nov 22 10:36:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



TIC: BM007983.D

(10) Phenanthrene-d10 (I)

17.108min (-0.017) 0.40ng/ul m

SJ 11/23/16

response 2656

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.92
80.00	11.80	8.66#
0.00	0.00	0.00

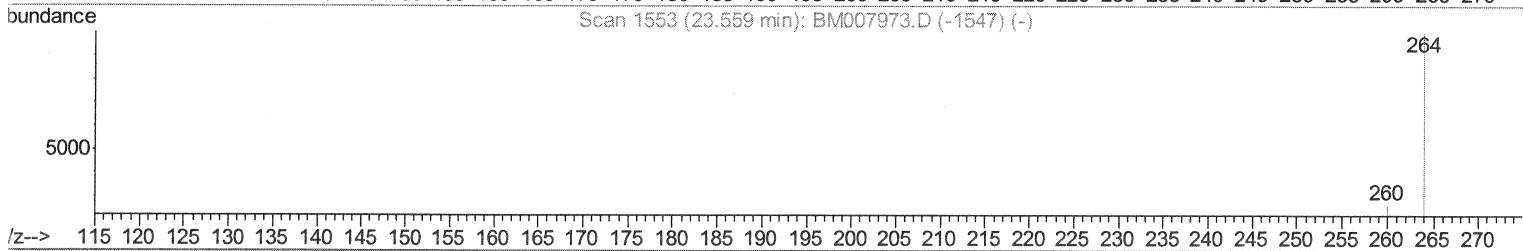
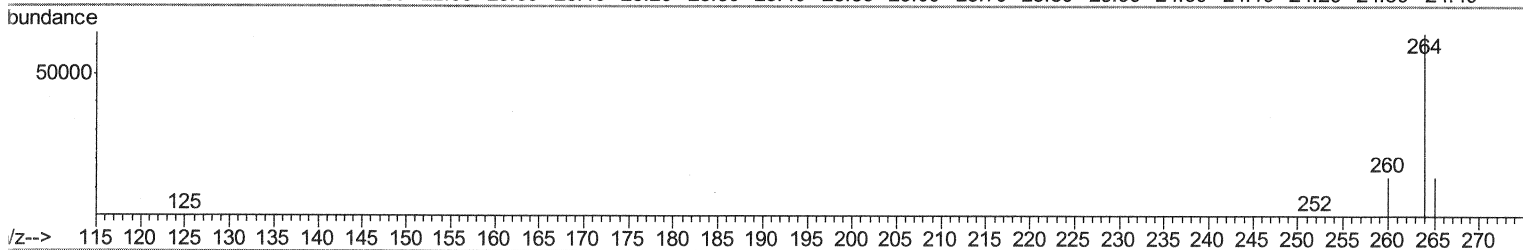
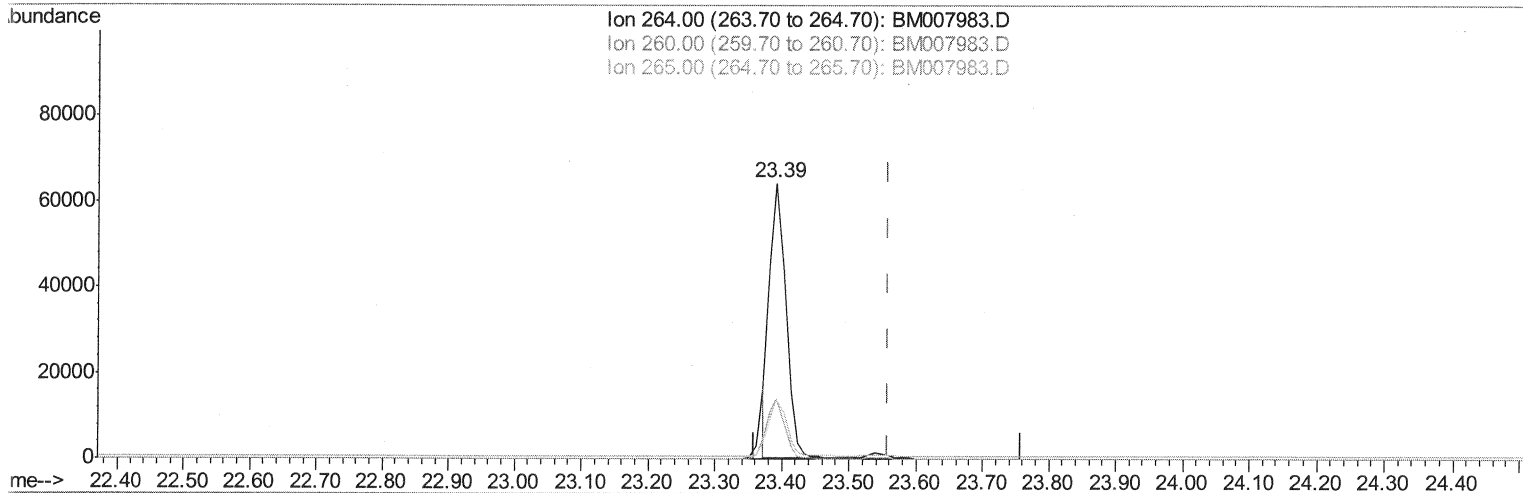
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
Data File : BM007983.D
Acq On : 22 Nov 2016 05:59
Operator : UM/SJ
Sample : H5694-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSS1

Manual Integrations
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Quant Time: Nov 22 10:37:03 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 05:49:20 2016
Response via : Initial Calibration



TIC: BM007983.D

(20) Perylene-d12 (I)

23.392min (-0.167) 0.40ng/ul

response 109113

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.89#
265.00	103.50	21.75#
0.00	0.00	0.00

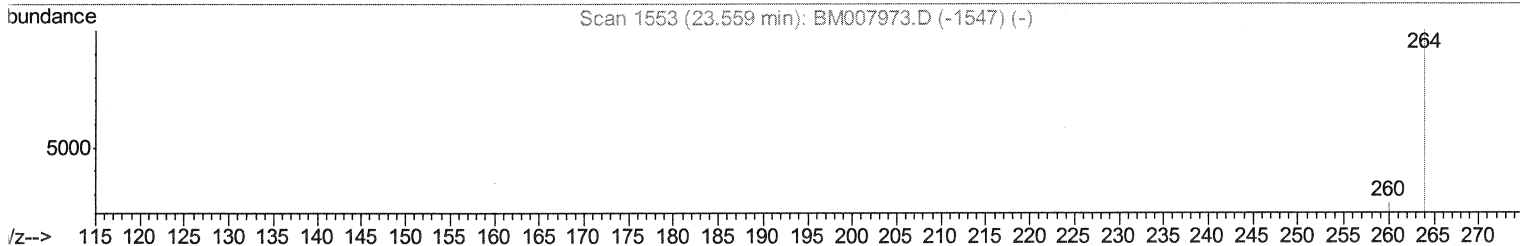
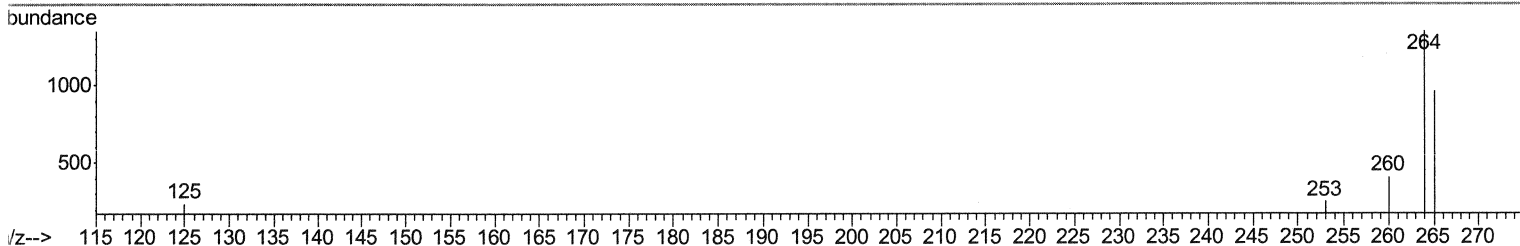
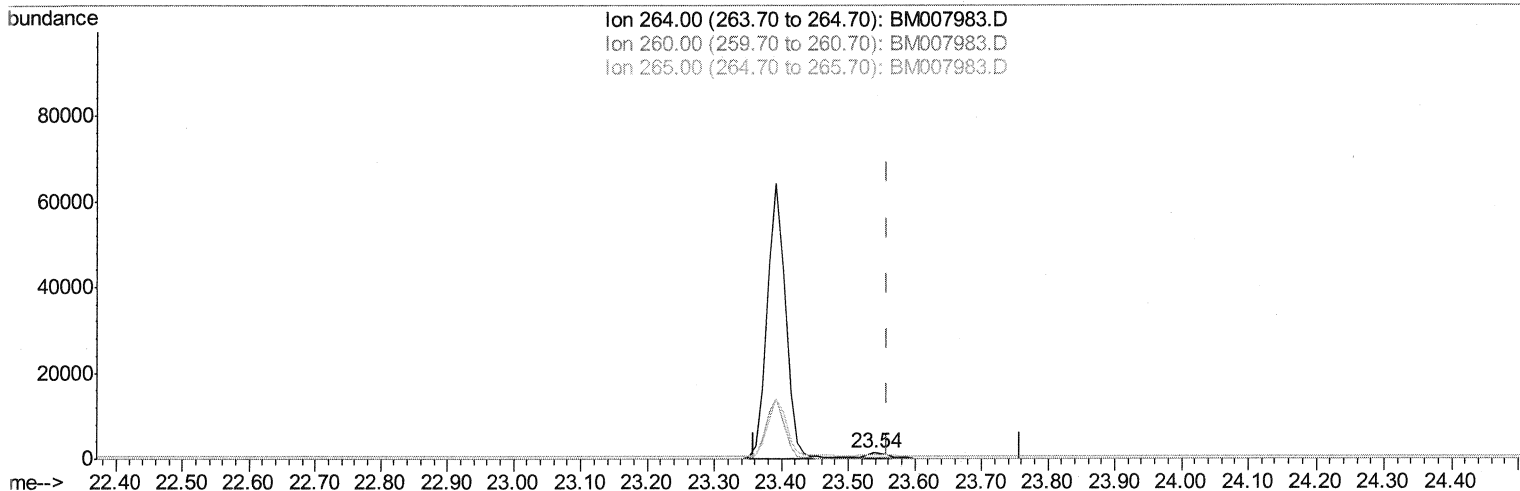
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
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Quant Time: Nov 22 10:37:03 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



TIC: BM007983.D

(20) Perylene-d12 (I)

23.538min (-0.021) 0.40ng/ul m

SJ 11/23/16

response 2371

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.29
265.00	103.50	71.27#
0.00	0.00	0.00

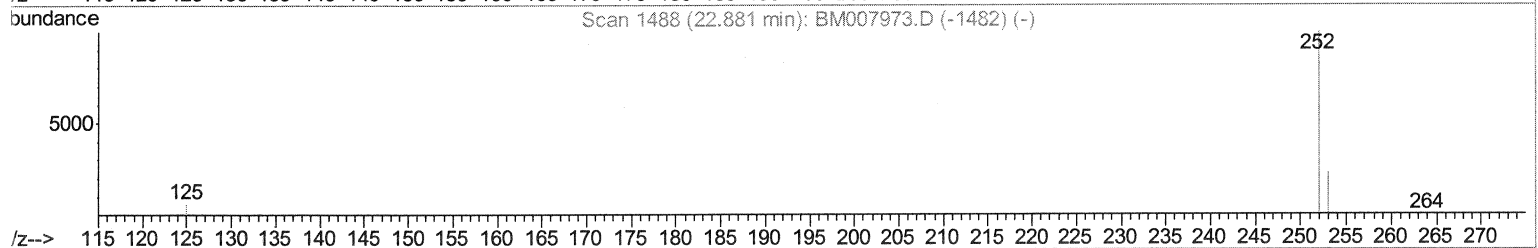
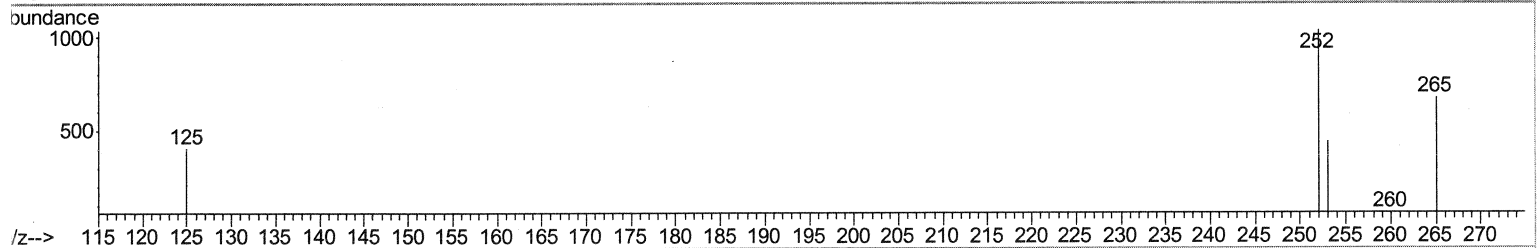
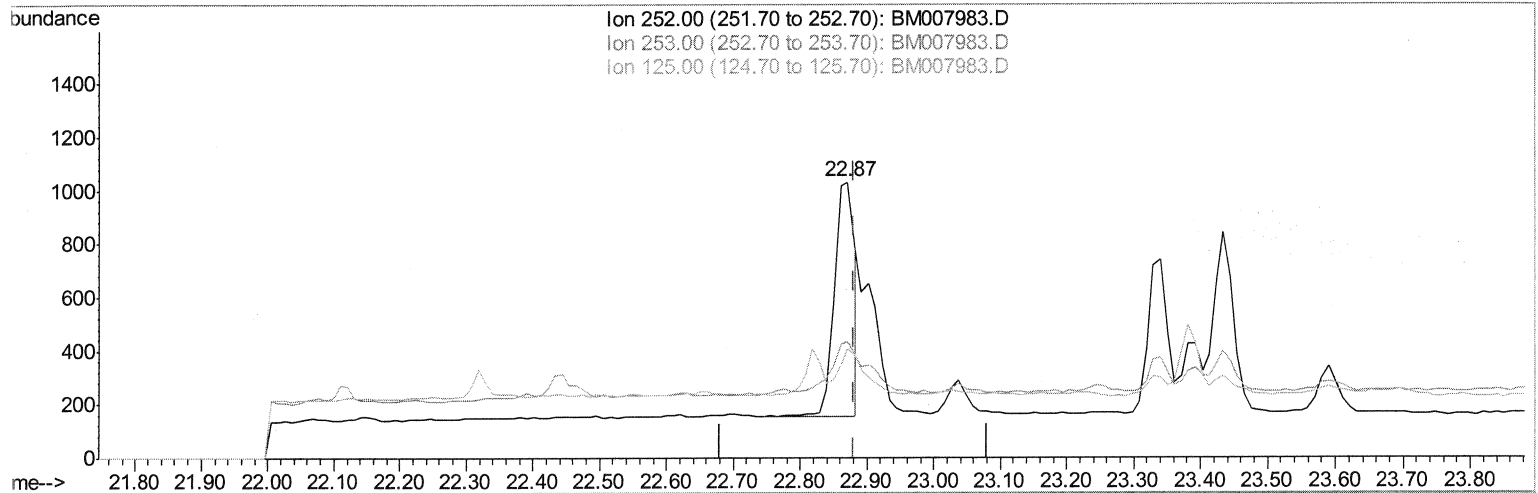
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
 APPROVED

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Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



TIC: BM007983.D

(21) Benzo(b)fluoranthene
 22.871min (-0.010) 0.19ng/ul
 response 1820

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	42.48
125.00	17.50	39.38#
0.00	0.00	0.00

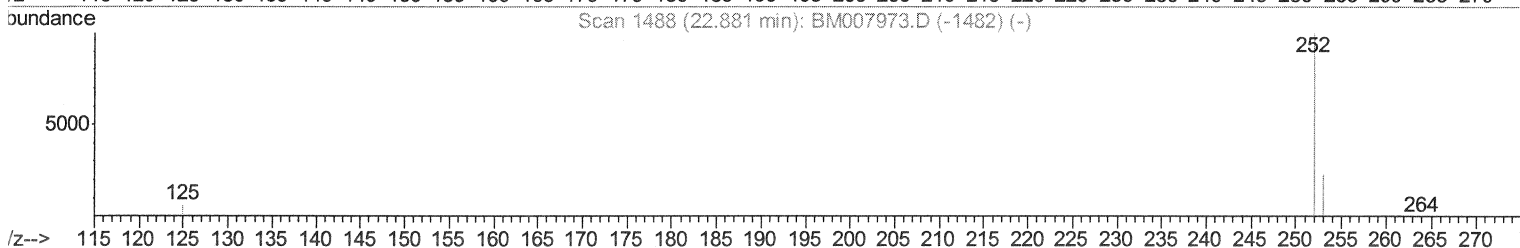
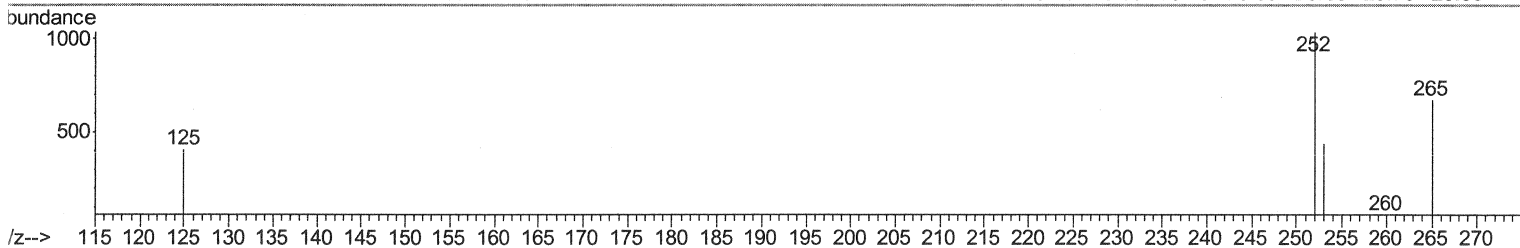
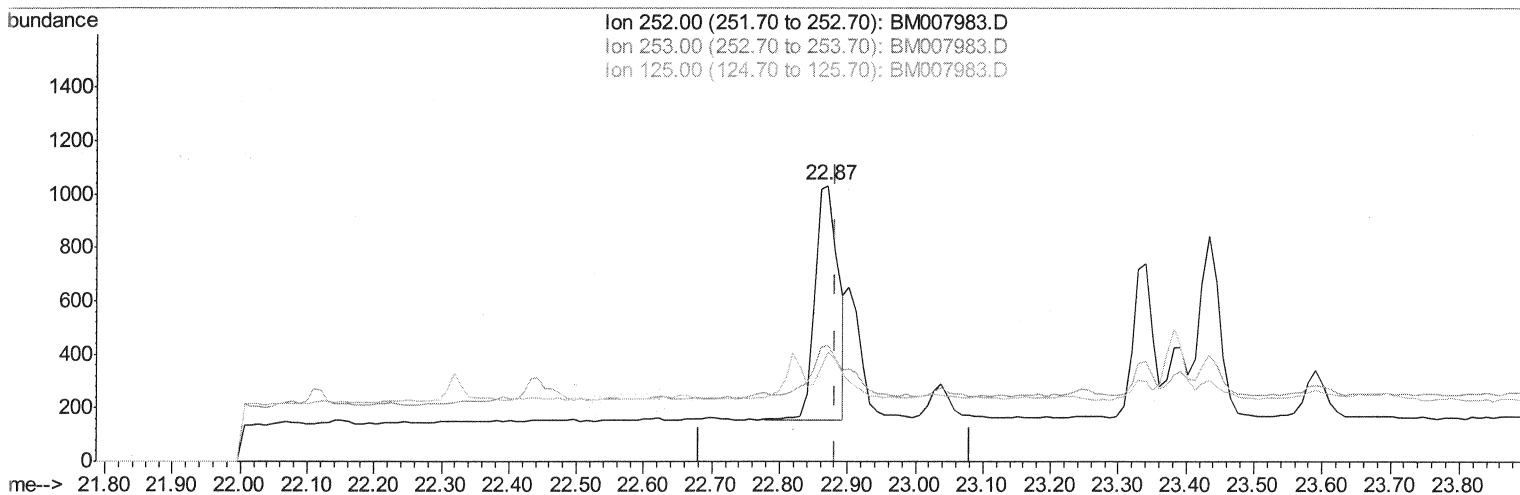
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
 APPROVED

sohil
 11/22/2016 4:00:28 PM

Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.871min (-0.010) 0.23ng/ul m

SI 11/23/16

response 2135

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	42.48
125.00	17.50	39.38#
0.00	0.00	0.00

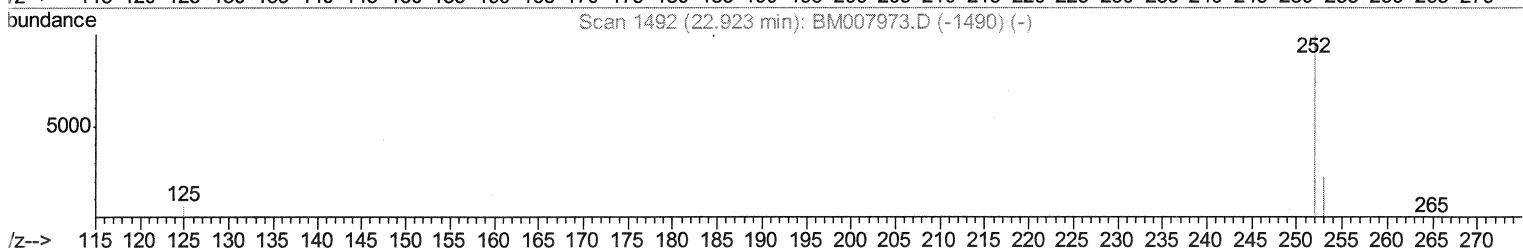
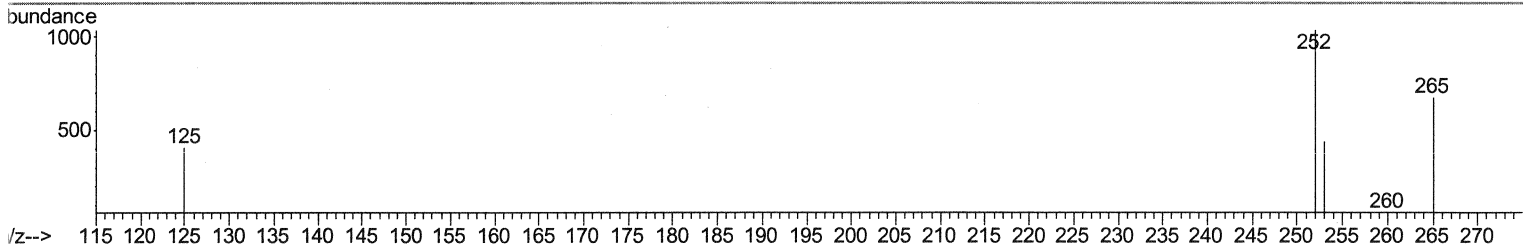
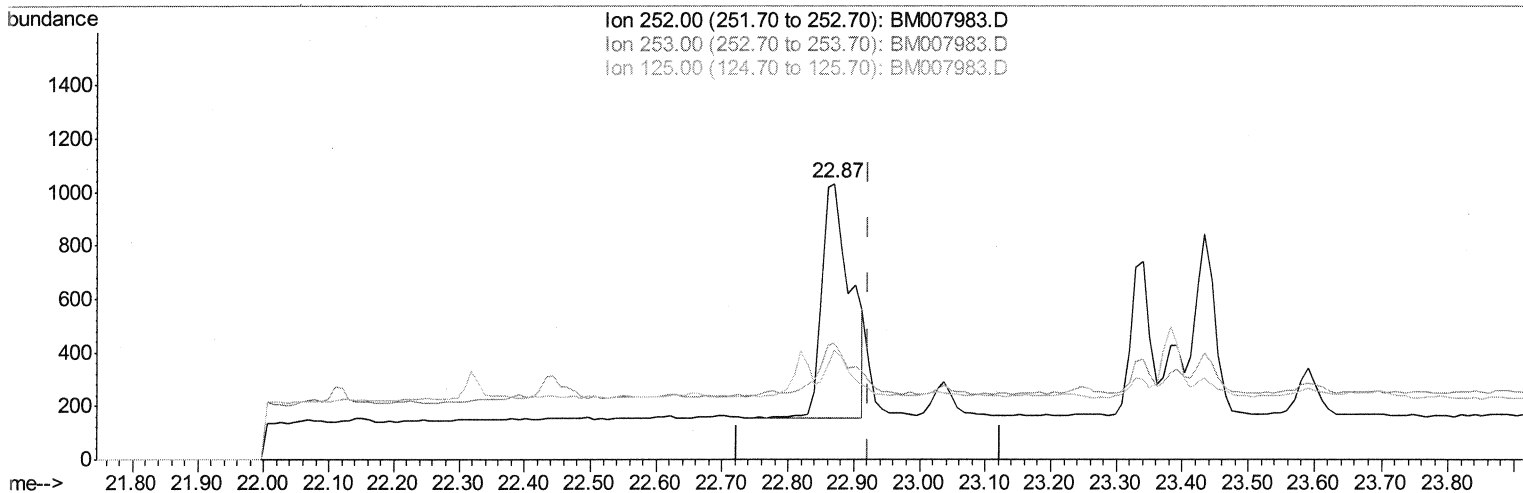
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 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
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Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration



TIC: BM007983.D

(22) Benzo(k)fluoranthene

22.871min (-0.052) 0.27ng/ul

response 2674

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	42.48#
125.00	17.10	39.38#
0.00	0.00	0.00

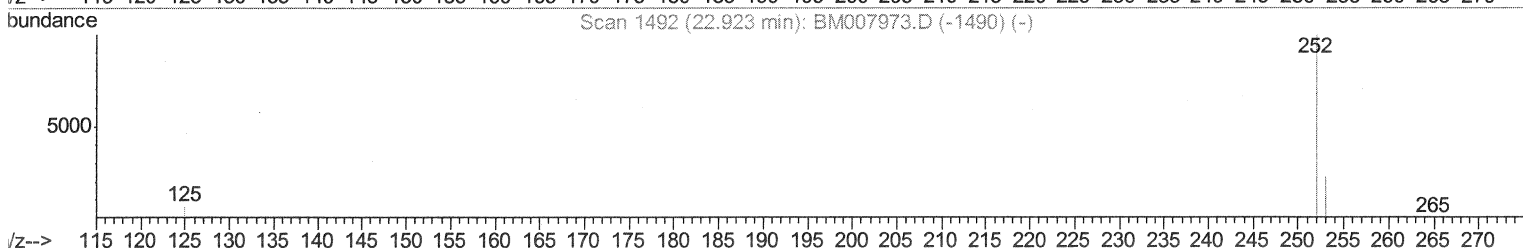
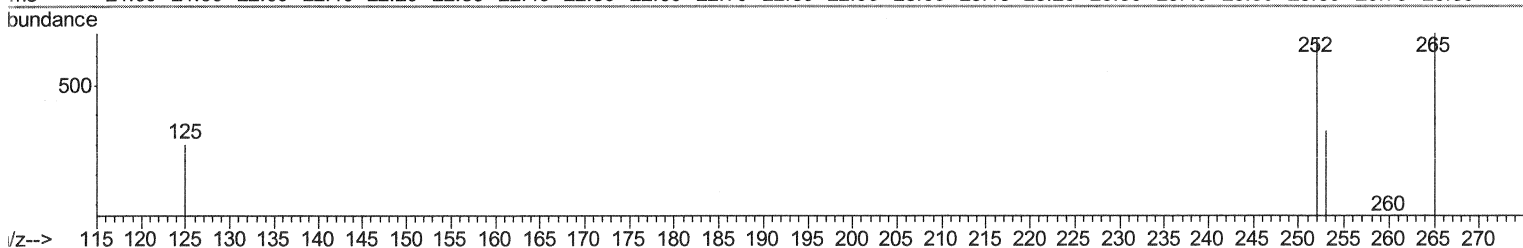
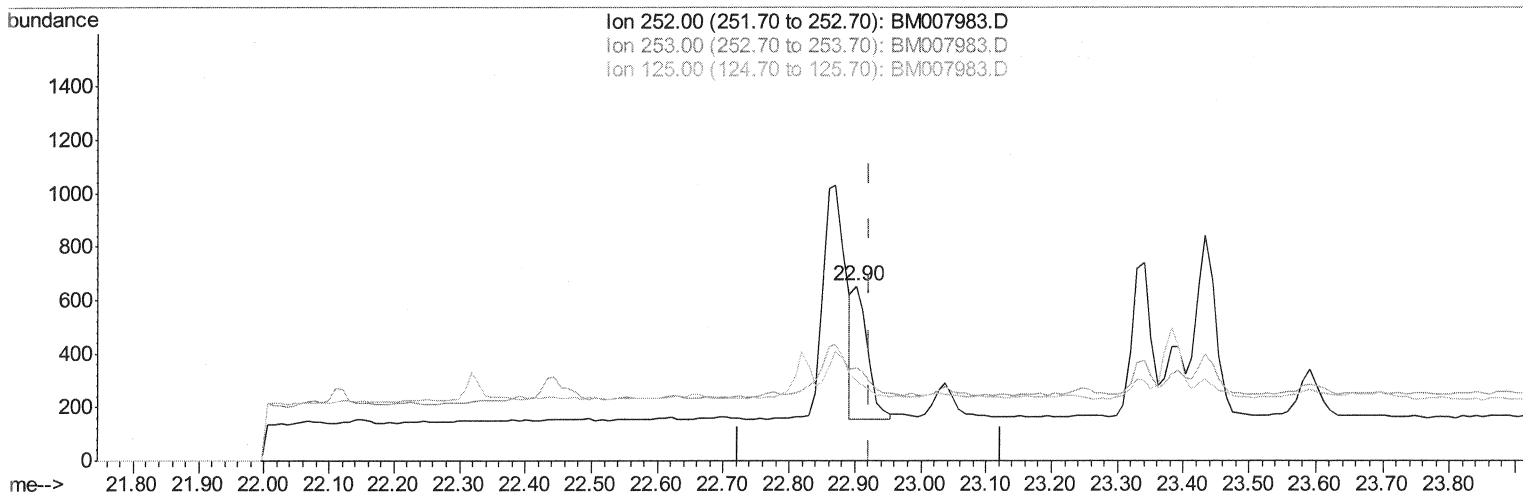
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 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
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Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration



TIC: BM007983.D

(22) Benzo(k)fluoranthene

22.902min (-0.021) 0.08ng/ul m

response 766

SJ 11/23/16

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	53.29#
125.00	17.10	46.09#
0.00	0.00	0.00

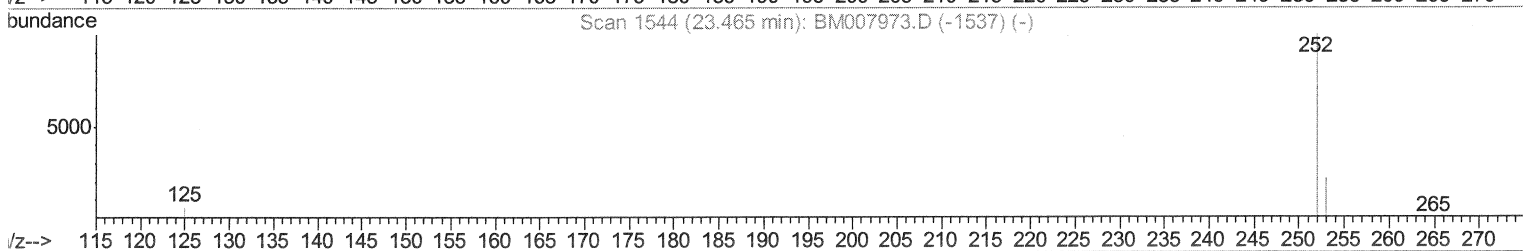
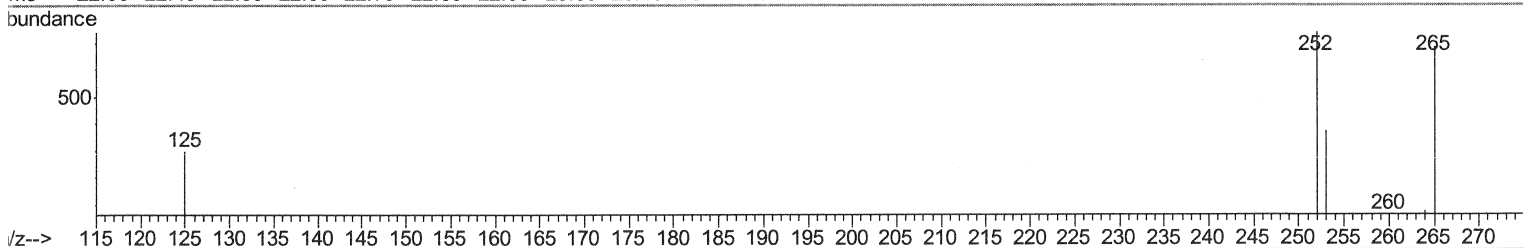
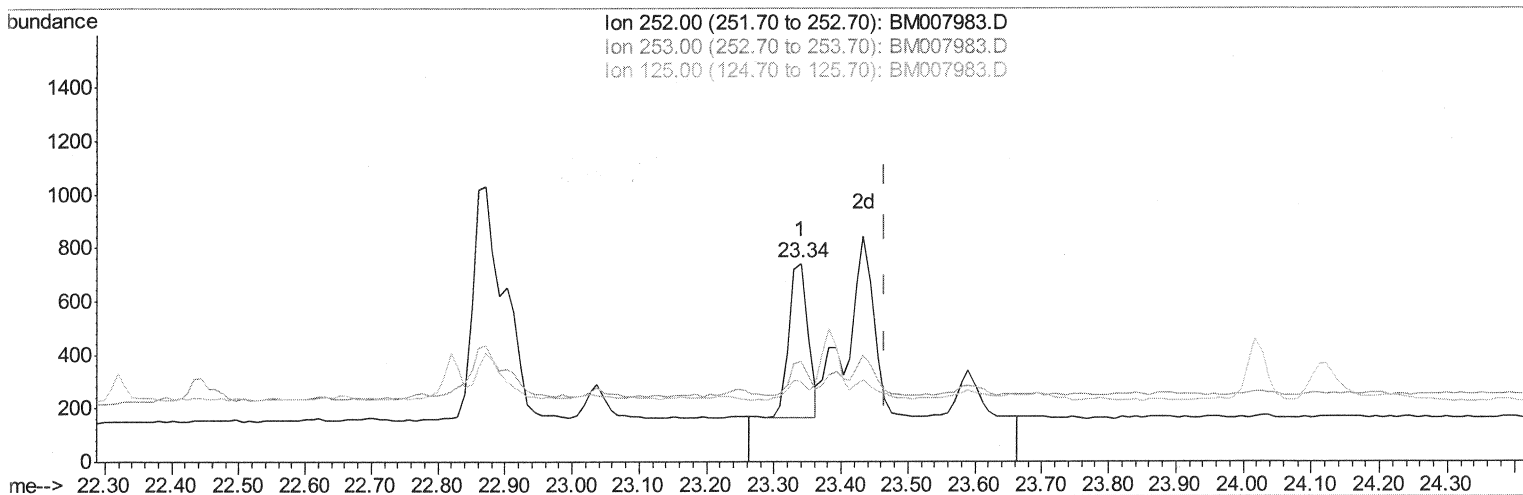
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
Data File : BM007983.D
Acq On : 22 Nov 2016 05:59
Operator : UM/SJ
Sample : H5694-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSS1

Manual Integrations
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Quant Time: Nov 22 10:38:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 05:49:20 2016
Response via : Initial Calibration



TIC: BM007983.D

(23) Benzo(a)pyrene (C)

23.340min (-0.125) 0.13ng/ul

response 1145

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	50.47#
125.00	22.60	40.22#
0.00	0.00	0.00

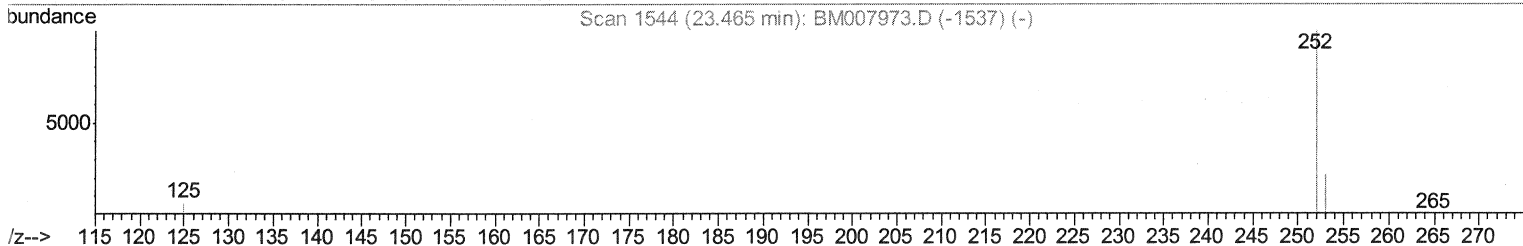
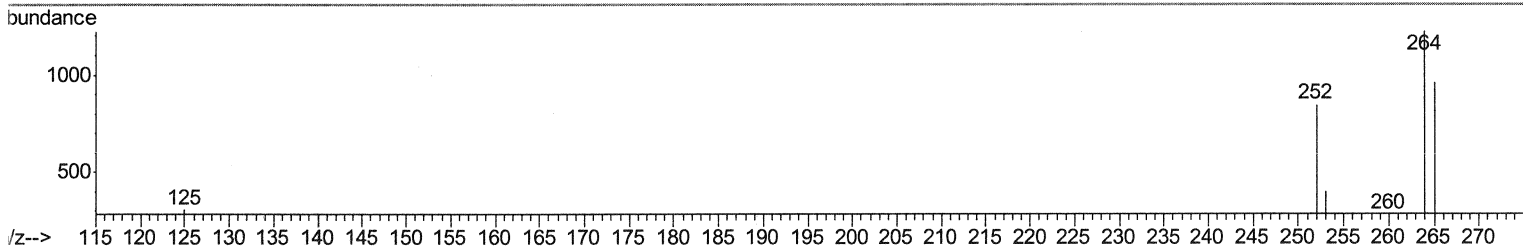
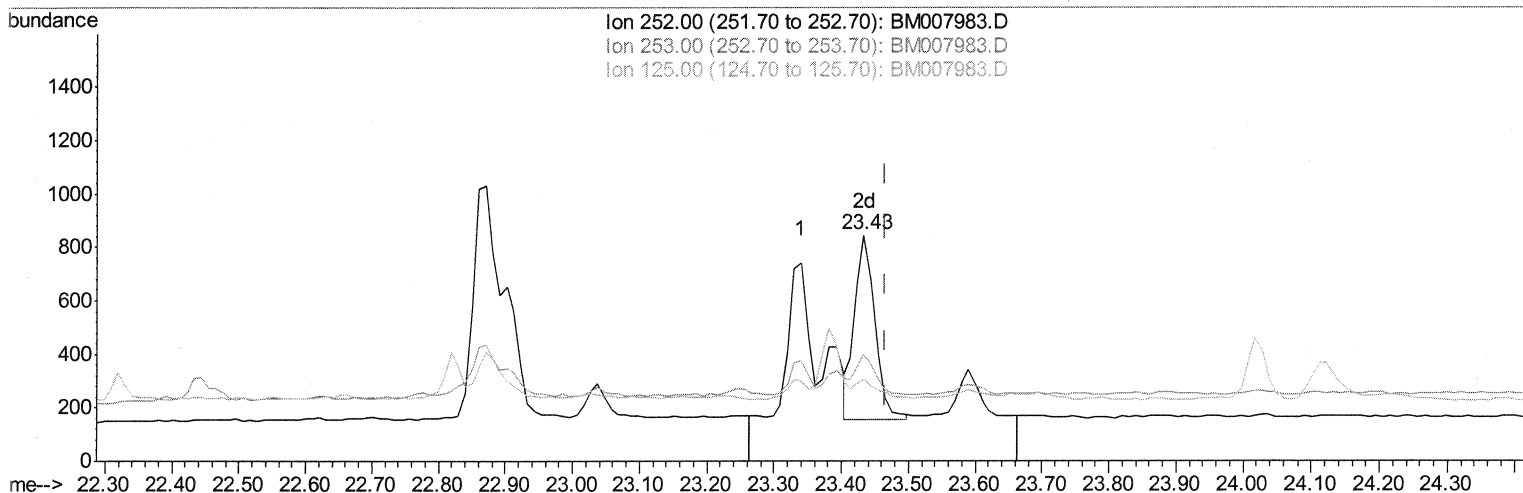
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
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Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.434min (-0.031) 0.17ng/ul m

SJ 11/23/16

response 1467

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	47.34#
125.00	22.60	36.33#
0.00	0.00	0.00

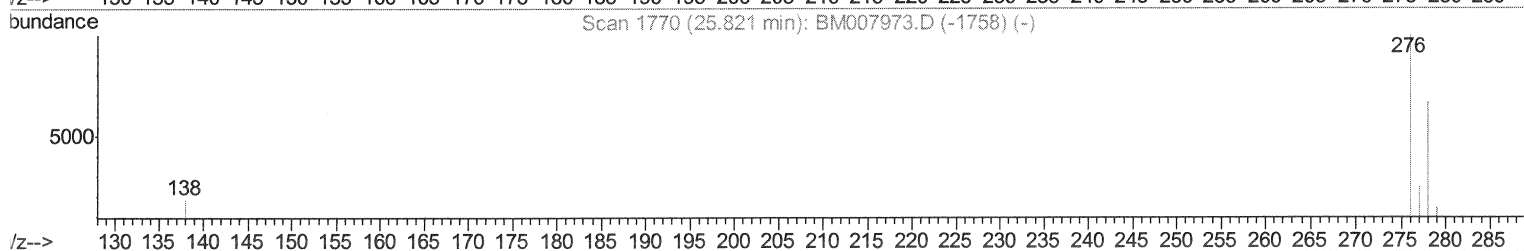
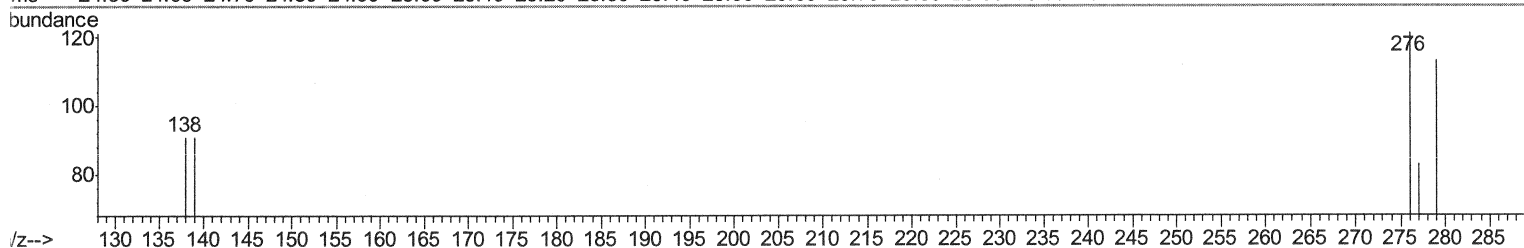
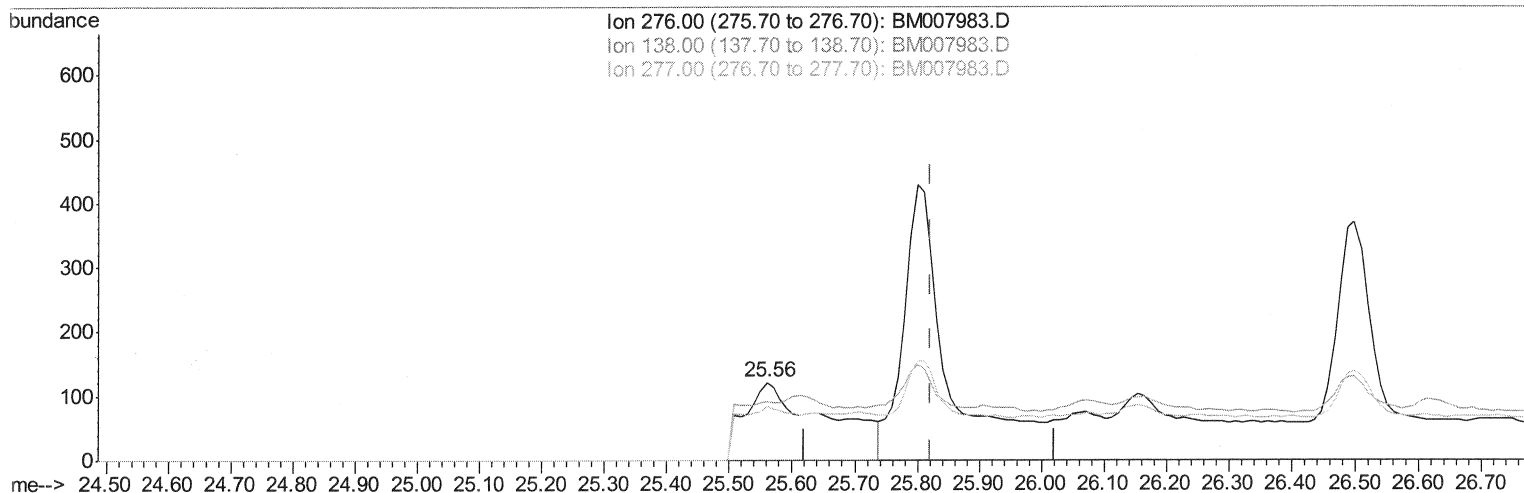
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
Data File : BM007983.D
Acq On : 22 Nov 2016 05:59
Operator : UM/SJ
Sample : H5694-14
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSS1

Manual Integrations
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Quant Time: Nov 22 10:38:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 05:49:20 2016
Response via : Initial Calibration



TIC: BM007983.D

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

25.560min (-0.261) 0.10ng/ul

response 1100

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	101.18#
0.00	0.00	0.00

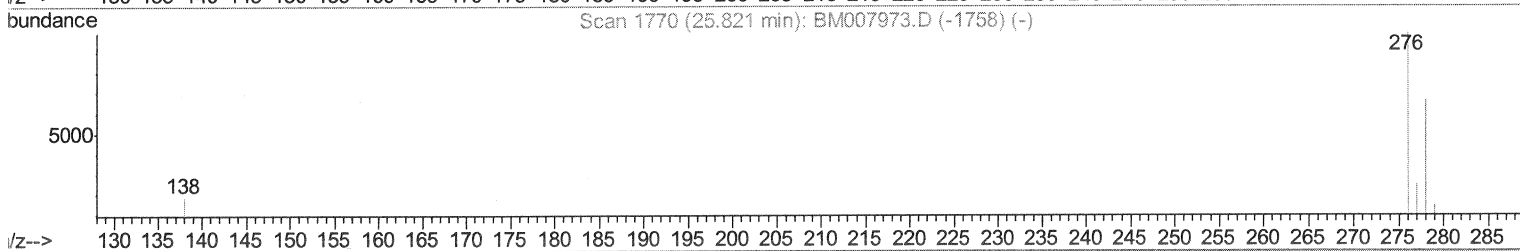
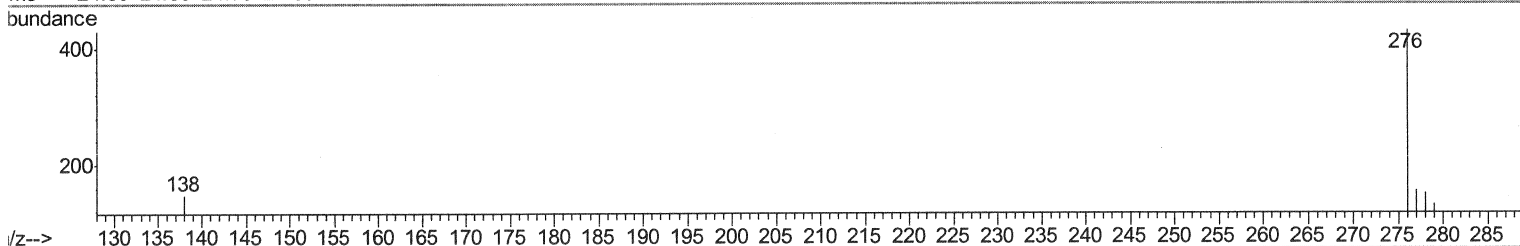
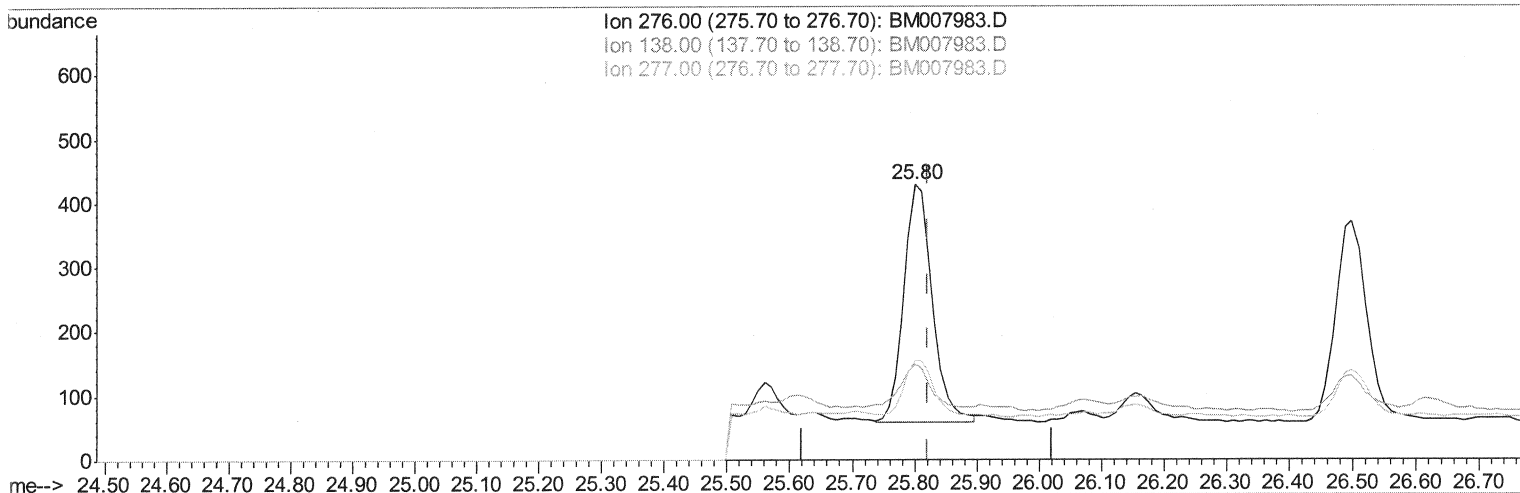
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
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Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



TIC: BM007983.D

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

25.800min (-0.021) 0.11ng/ul m

SJ 11/23/16

response 1178

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	94.48#
0.00	0.00	0.00

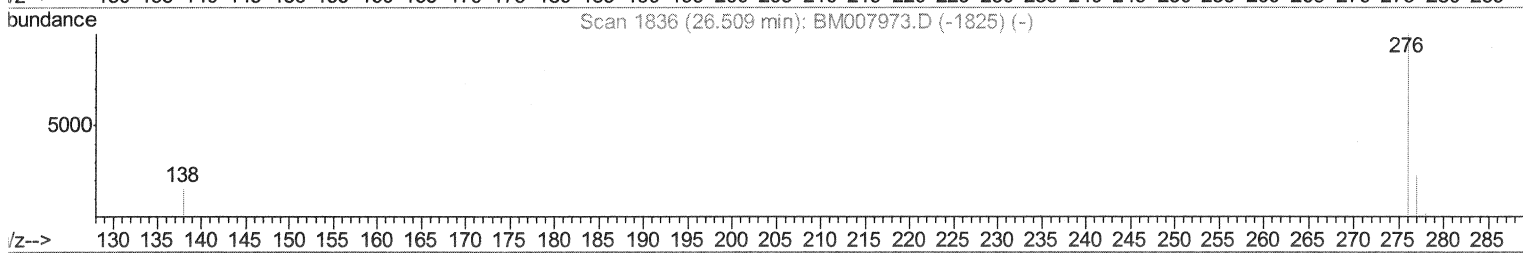
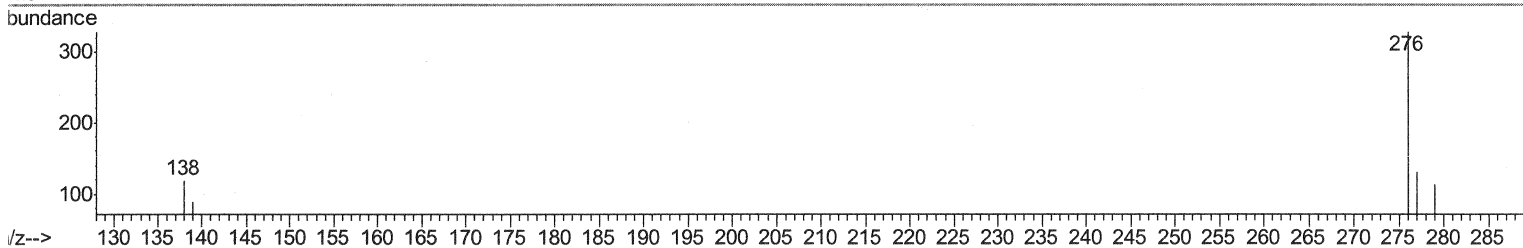
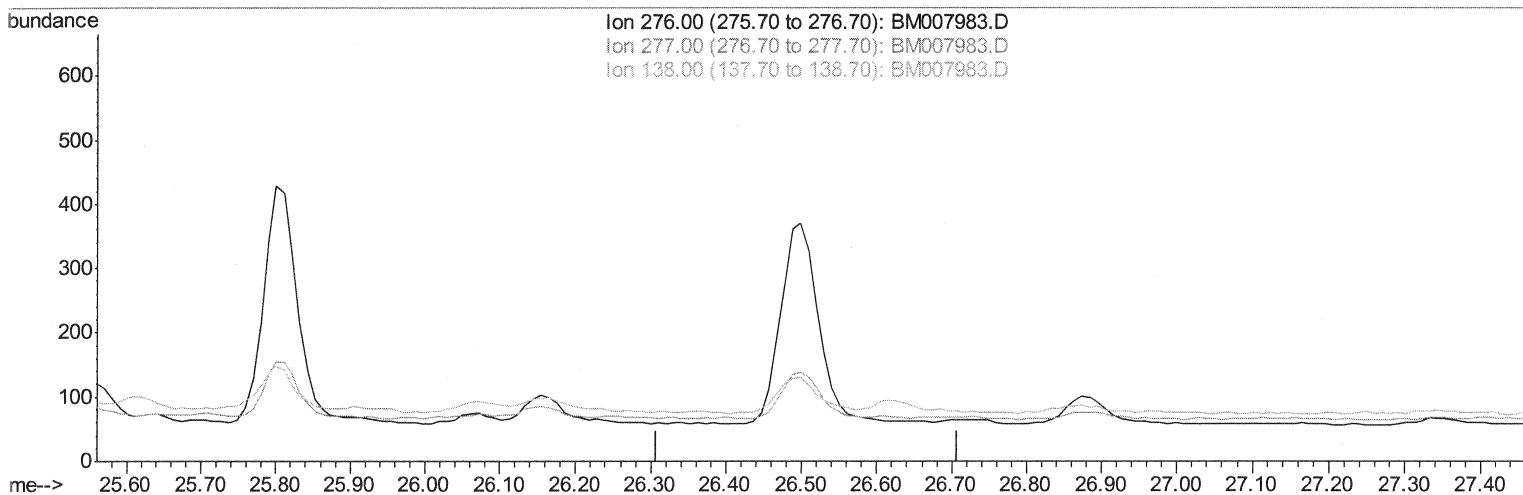
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
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Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



TIC: BM007983.D

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

26.509min (-26.509) 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

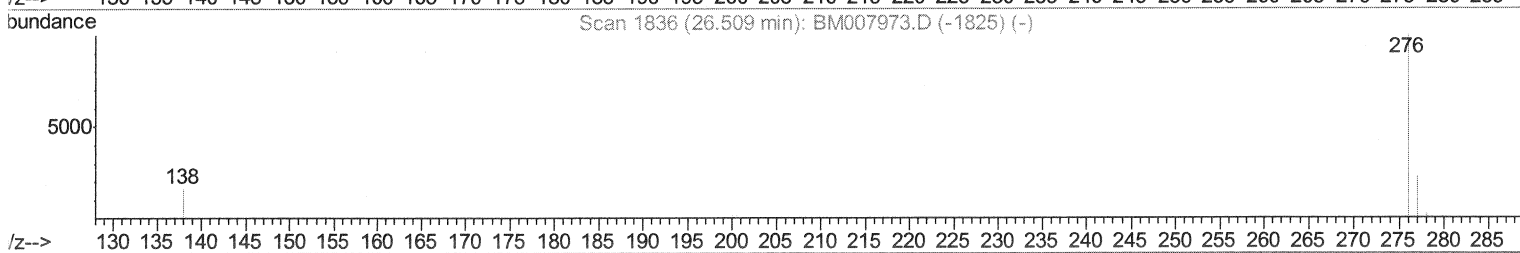
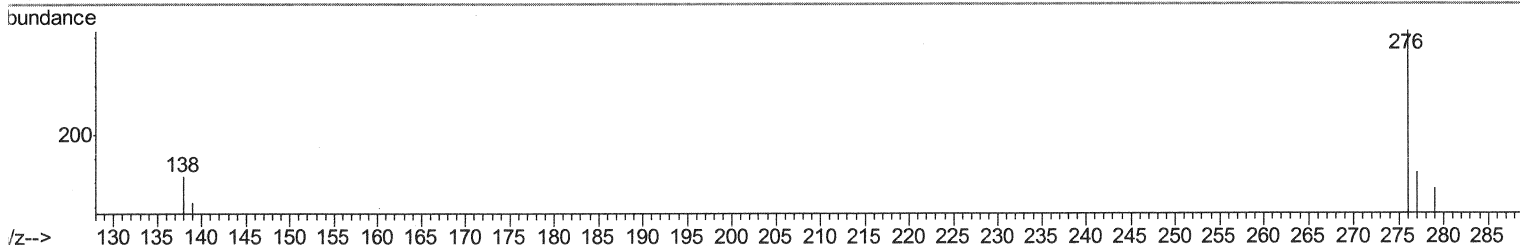
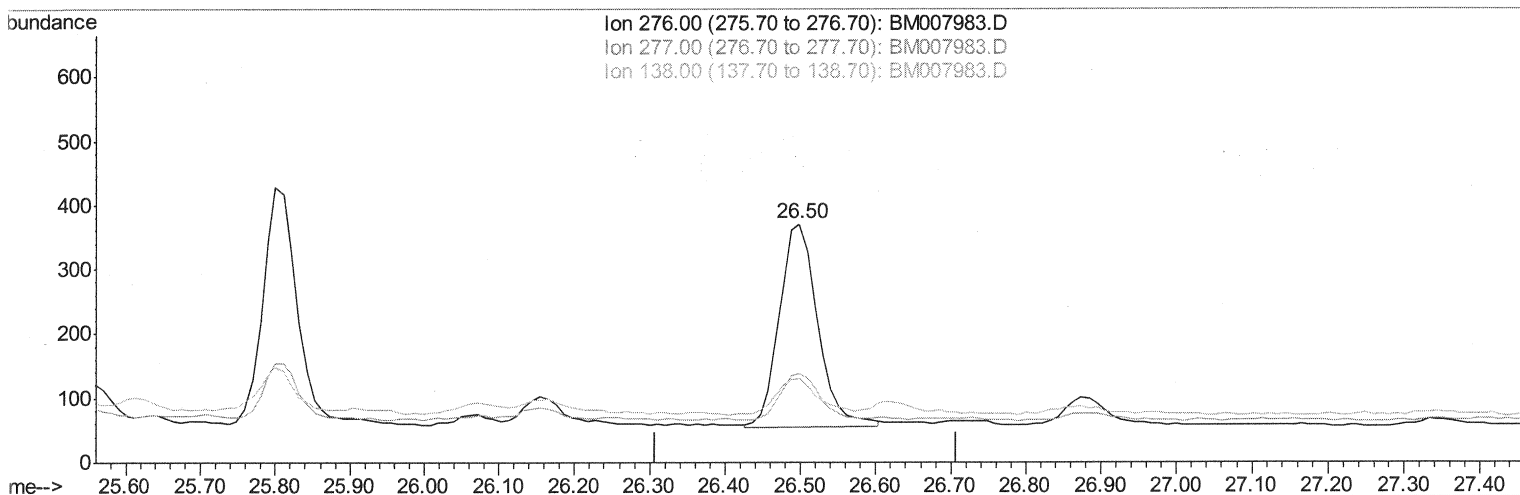
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 JHSS1

Manual Integrations
 APPROVED

sohil
 11/22/2016 4:00:28 PM

Quant Time: Nov 22 10:38:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



TIC: BM007983.D

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

26.499min (-0.010) 0.12ng/ul m

55 11/23/16

response 1121

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	37.20#
138.00	25.60	35.31#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007983.D
 Acq On : 22 Nov 2016 05:59
 Operator : UM/SJ
 Sample : H5694-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS1

Manual Integrations
 APPROVED

sohil
 11/22/2016 4:00:28 PM

Quant Time: Nov 22 10:40:26 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	565	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1872	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1203	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.11	188	2656m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.30	240	2760	0.40	ng/ul	-0.01
20) Perylene-d12	23.54	264	2371m	0.40	ng/ul	-0.02

} SJ 11/23/16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	601	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.14	212	1489	0.20	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	601	0.11	ng/ul#	78
5) 2-Methylnaphthalene	12.18	142	387	0.11	ng/ul	97
15) Fluoranthene	19.16	202	1896	0.18	ng/ul	95
17) Pyrene	19.52	202	2471	0.26	ng/ul	95
18) Benzo(a)anthracene	21.29	228	1196	0.14	ng/ul#	87
19) Chrysene	21.34	228	1569	0.15	ng/ul#	92
21) Benzo(b)fluoranthene	22.87	252	2135m	0.23	ng/ul	
22) Benzo(k)fluoranthene	22.90	252	766m	0.08	ng/ul	
23) Benzo(a)pyrene	23.43	252	1467m	0.17	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.80	276	1178m	0.11	ng/ul	
26) Benzo(g,h,i)perylene	26.50	276	1121m	0.12	ng/ul	

} SJ 11/23/16

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