

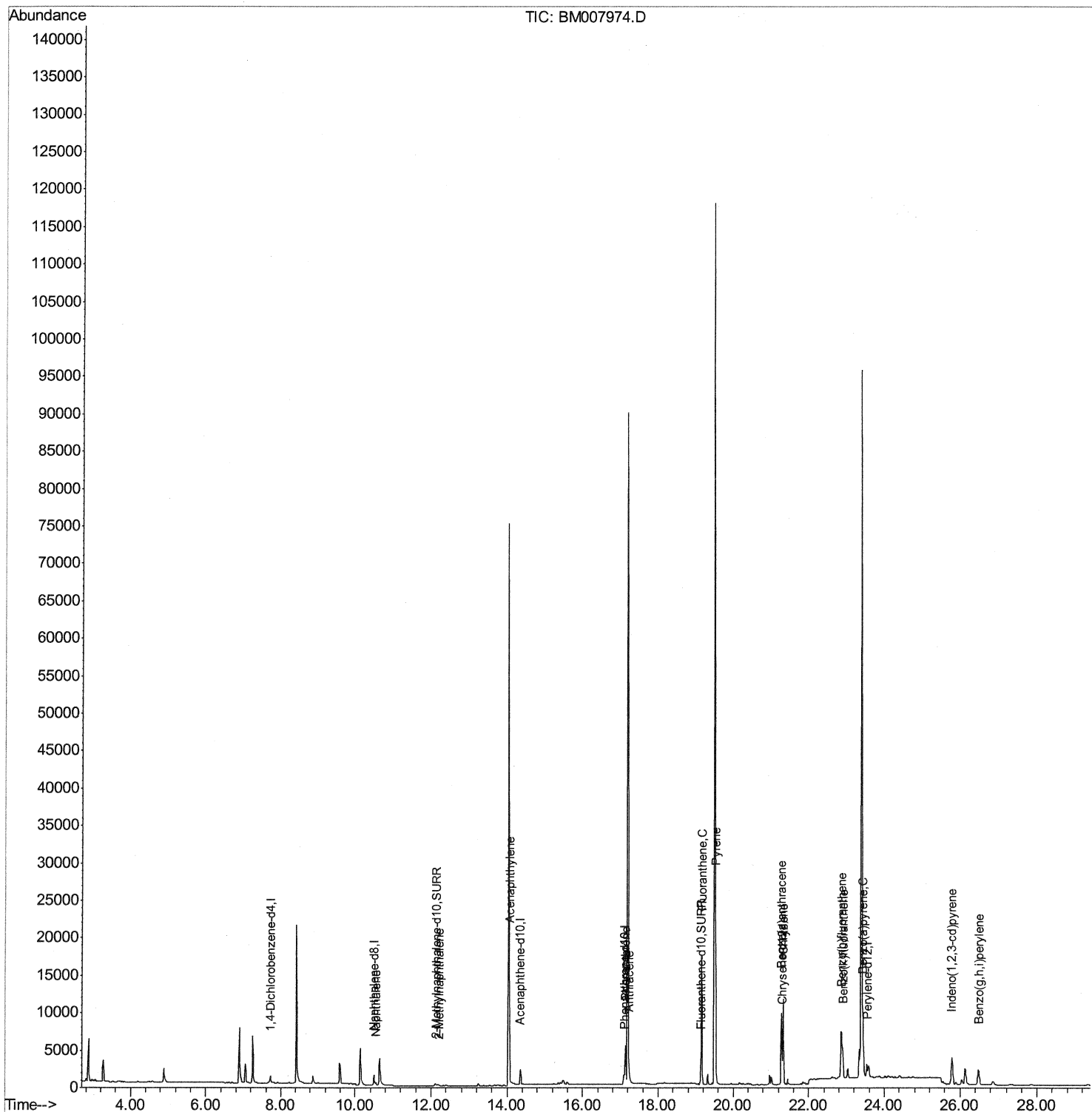
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
 APPROVED

sohil
 11/22/2016 4:01:04 PM

Quant Time: Nov 22 10:00:12 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



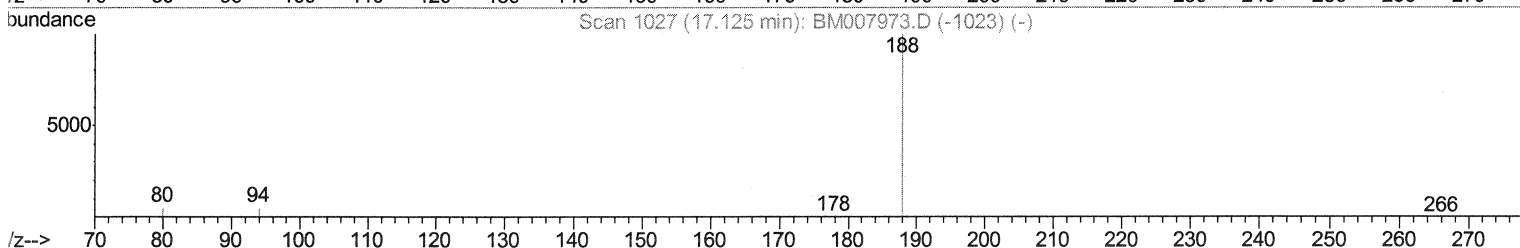
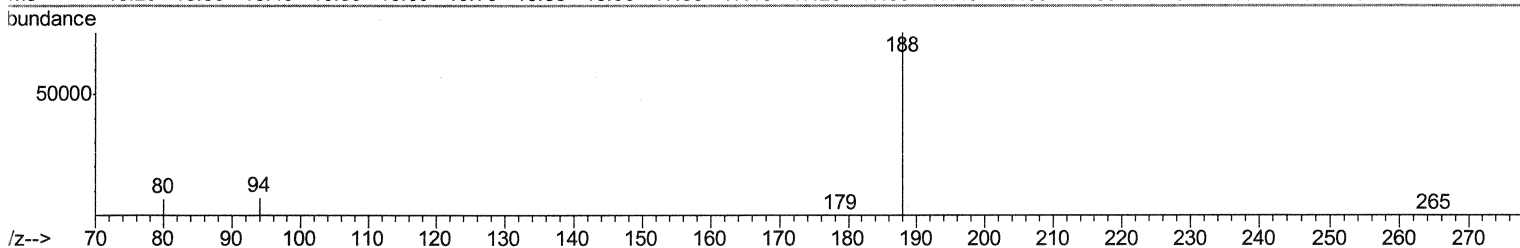
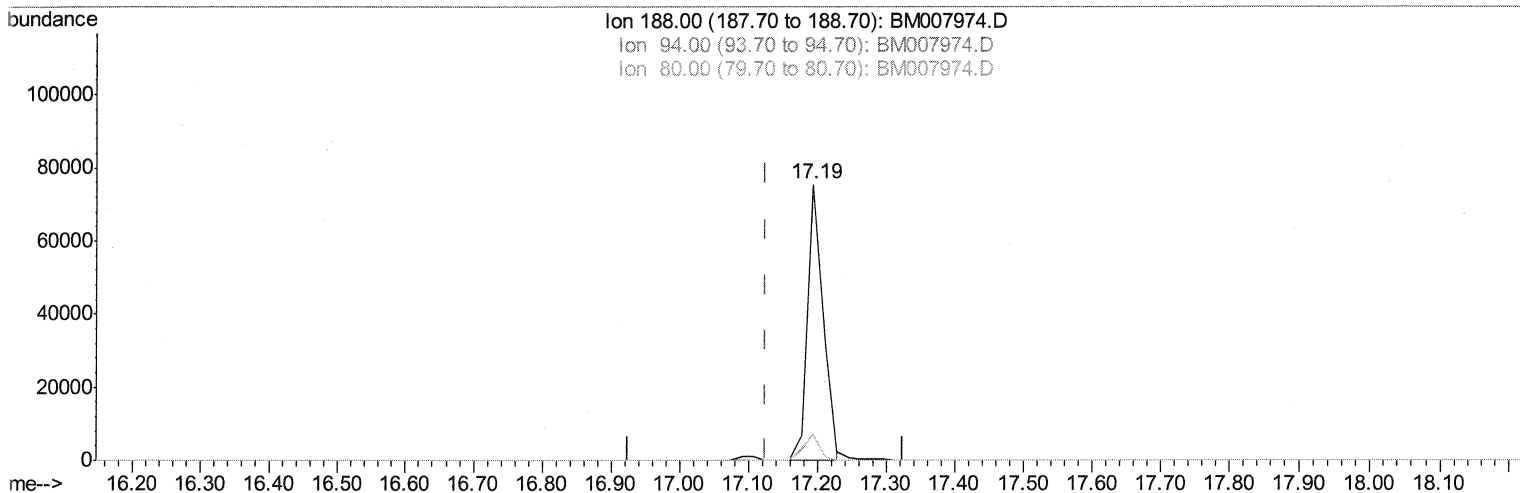
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
 APPROVED

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Quant Time: Nov 22 09:55:04 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: BM007974.D

(10) Phenanthrene-d10 (I)

17.193min (+0.069) 0.40ng/ul

response 118413

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.71
80.00	11.80	9.27#
0.00	0.00	0.00

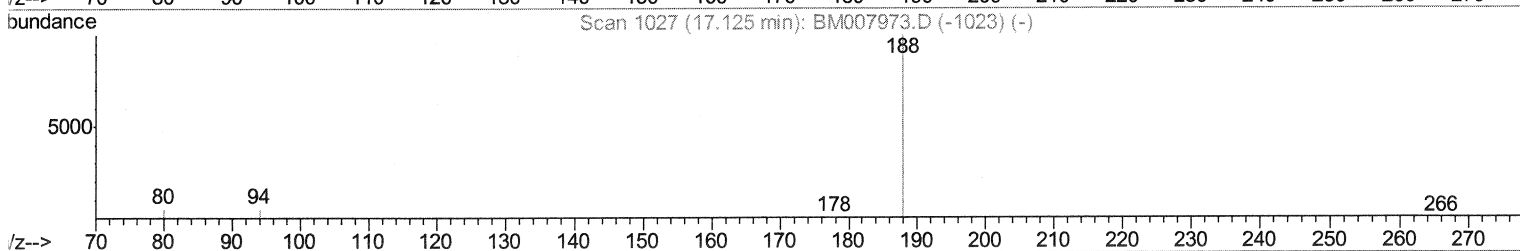
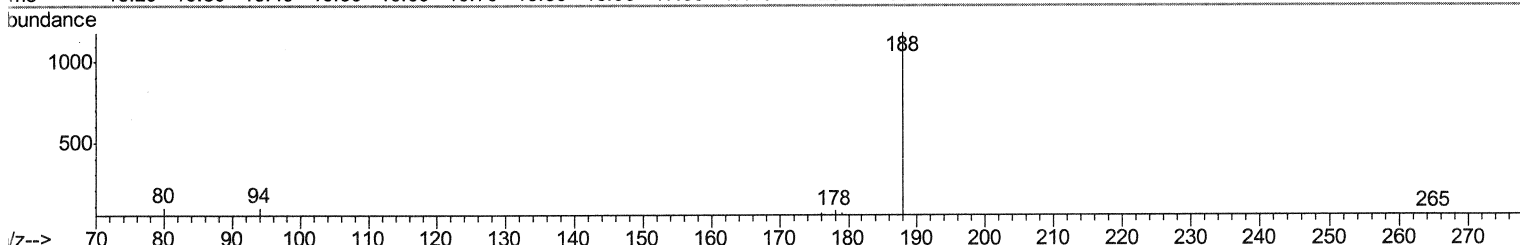
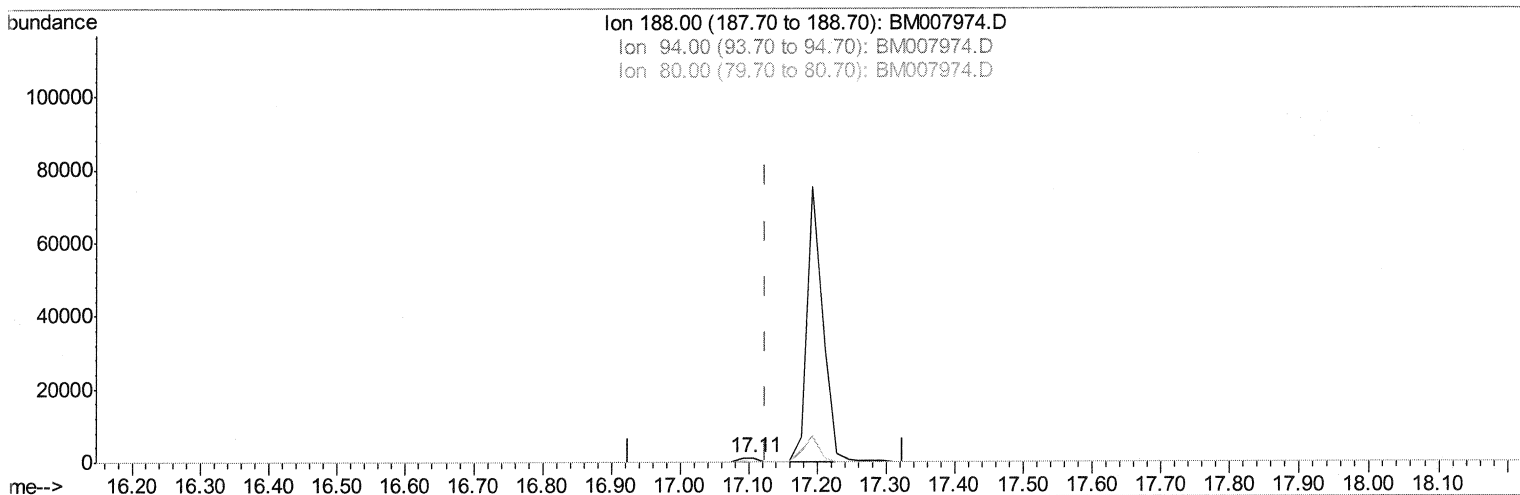
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 JHST4

Manual Integrations
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Quant Time: Nov 22 09:55:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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 Response via : Initial Calibration



TIC: BM007974.D

(10) Phenanthrene-d10 (I)

17.108min (-0.017) 0.40ng/ul m

SJ 11/23/16

response 2490

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.87#
80.00	11.80	7.87#
0.00	0.00	0.00

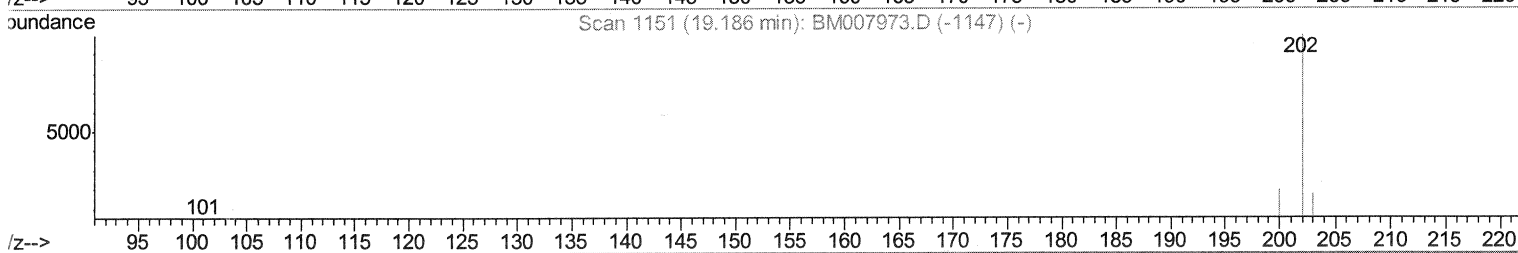
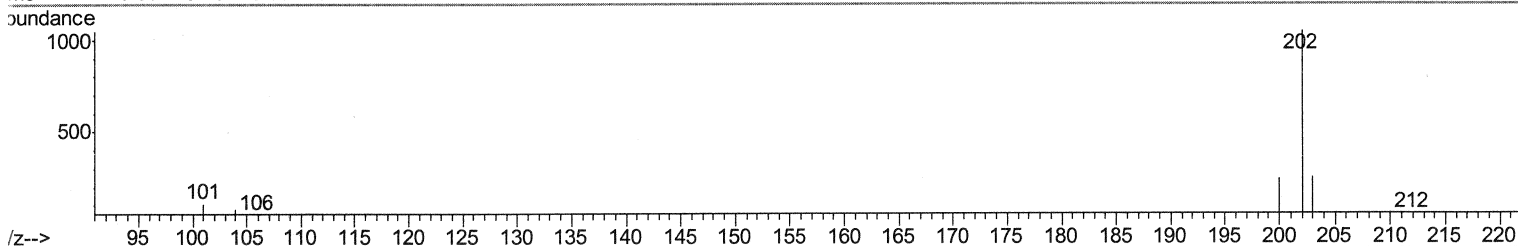
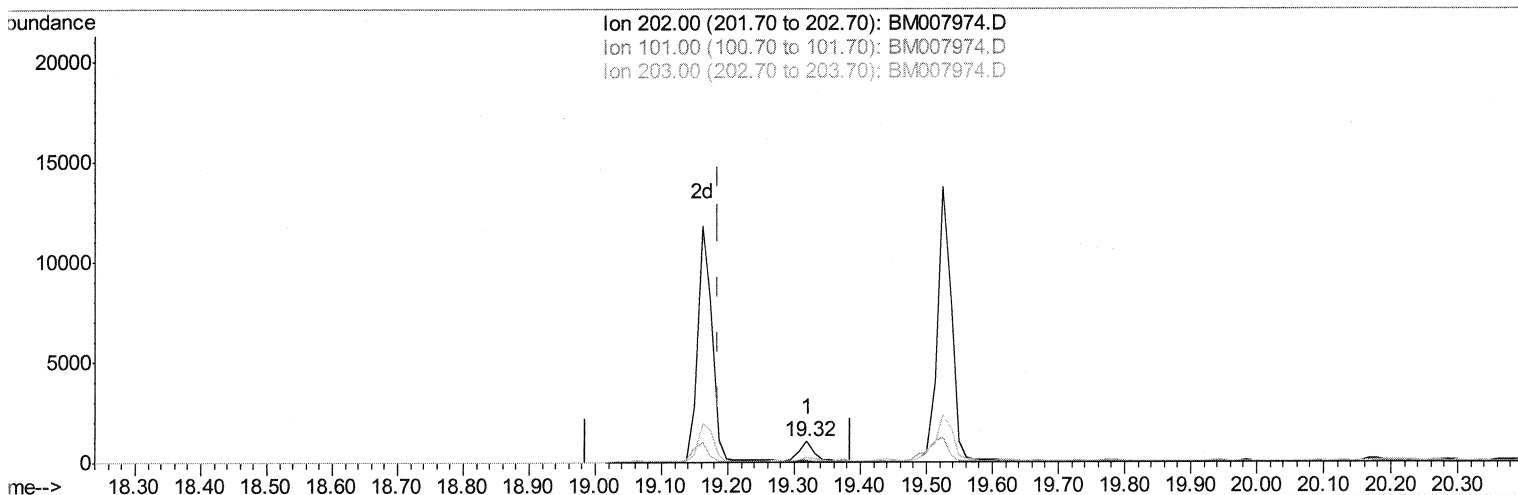
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
 APPROVED

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Quant Time: Nov 22 09:55:58 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: BM007974.D

(15) Fluoranthene (C)

19.319min (+0.133) 0.14ng/ul

response 1441

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	10.52
203.00	19.50	24.00
0.00	0.00	0.00

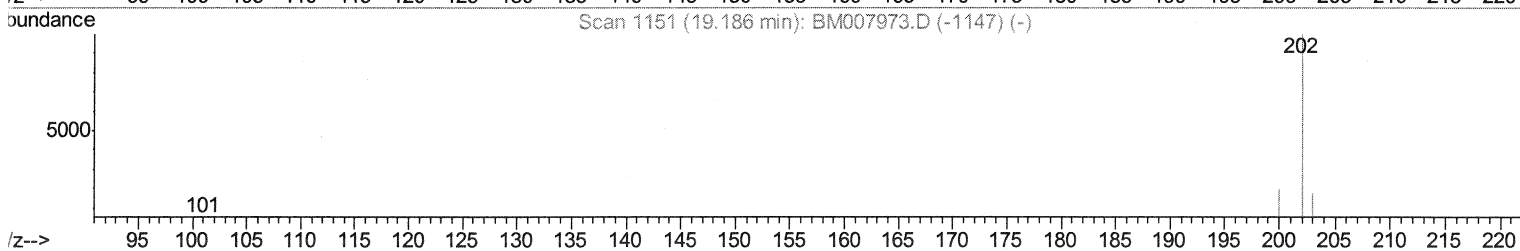
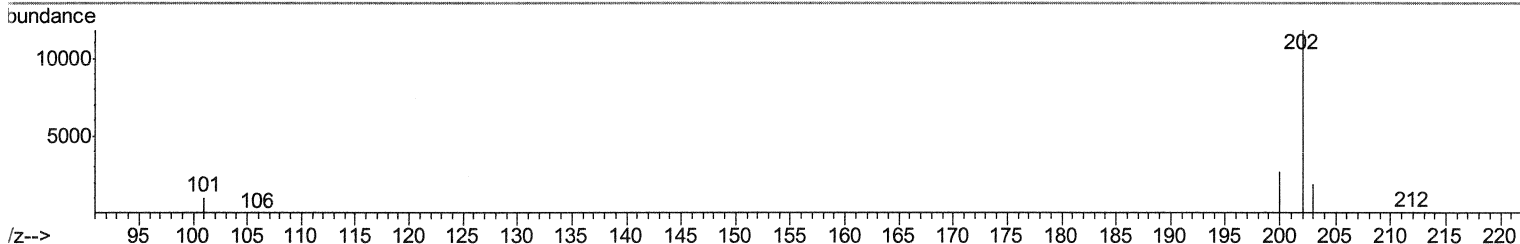
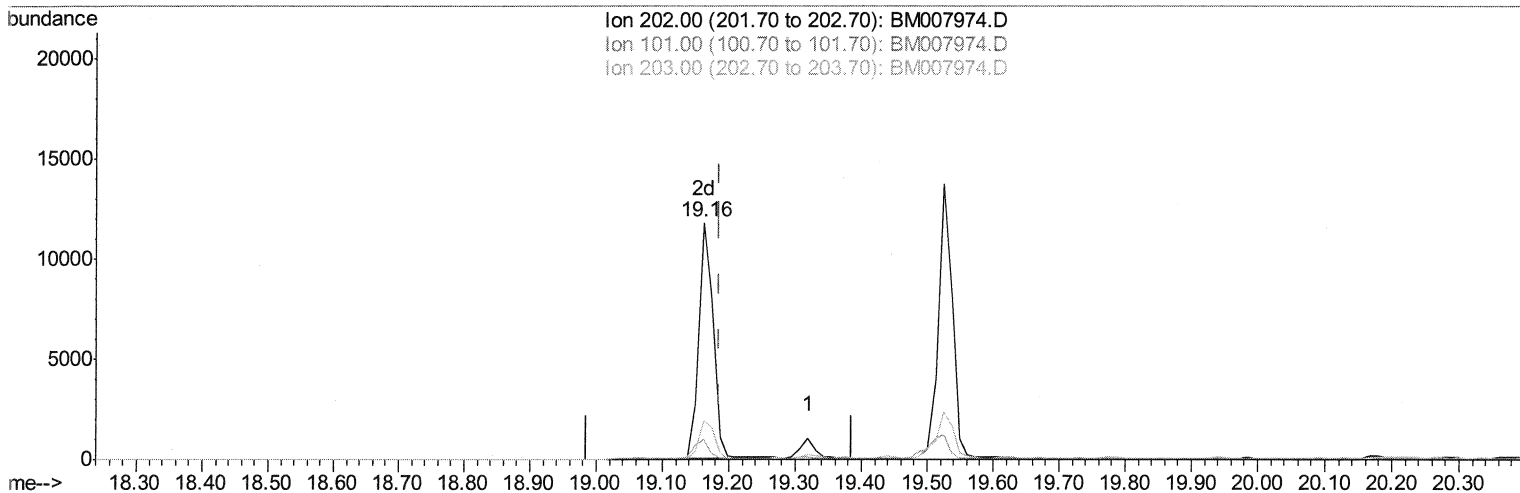
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Nov 22 09:55:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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 Response via : Initial Calibration



TIC: BM007974.D

(15) Fluoranthene (C)

19.162min (-0.024) 1.76ng/ul m

SJ 11/23/16

response 17644

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	8.70
203.00	19.50	16.17
0.00	0.00	0.00

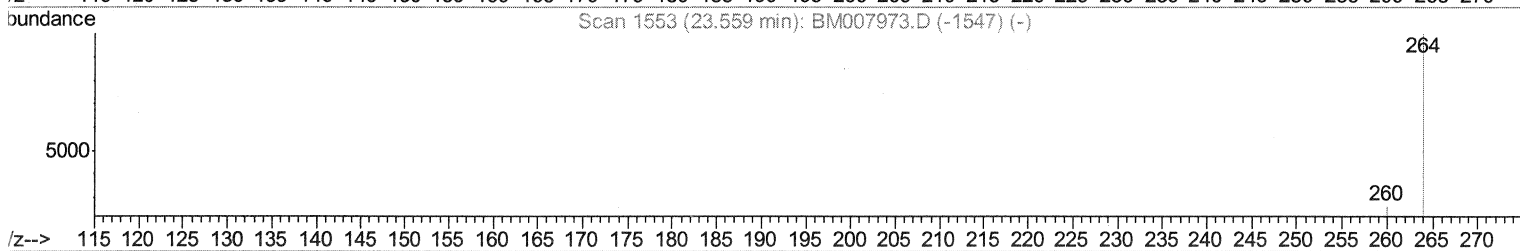
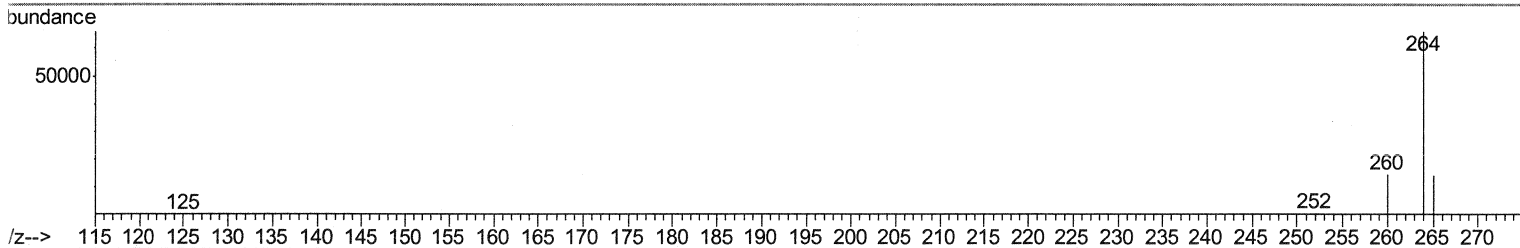
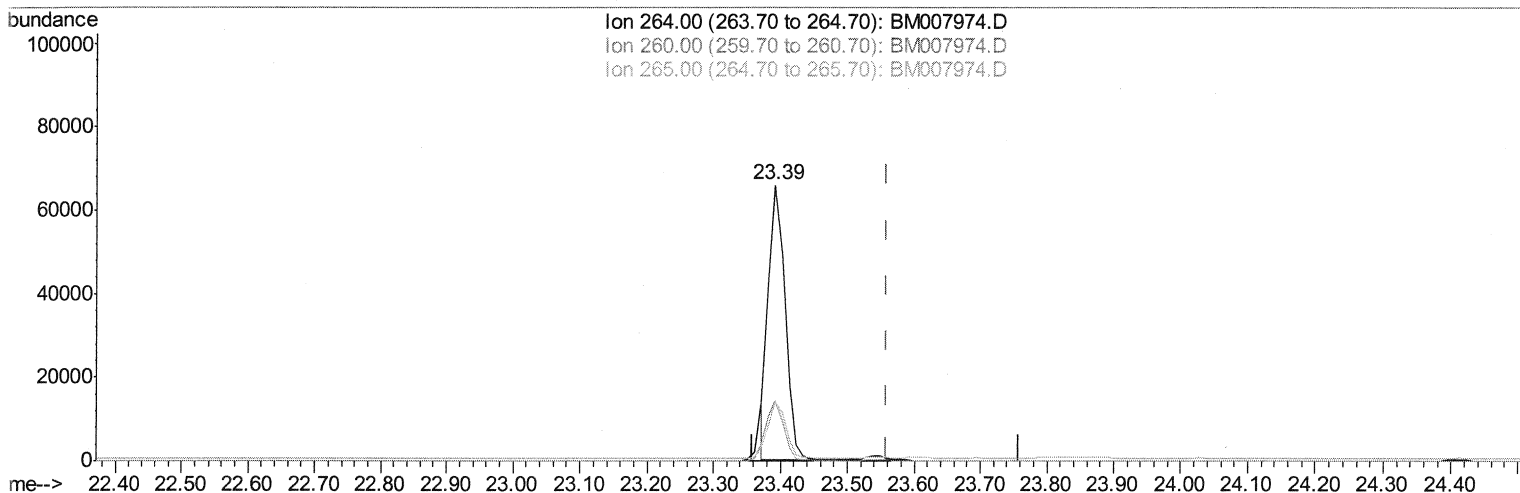
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
 APPROVED

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Quant Time: Nov 22 09:55:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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TIC: BM007974.D

(20) Perylene-d12 (I)

23.392min (-0.167) 0.40ng/ul

response 113469

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.00#
265.00	103.50	21.54#
0.00	0.00	0.00

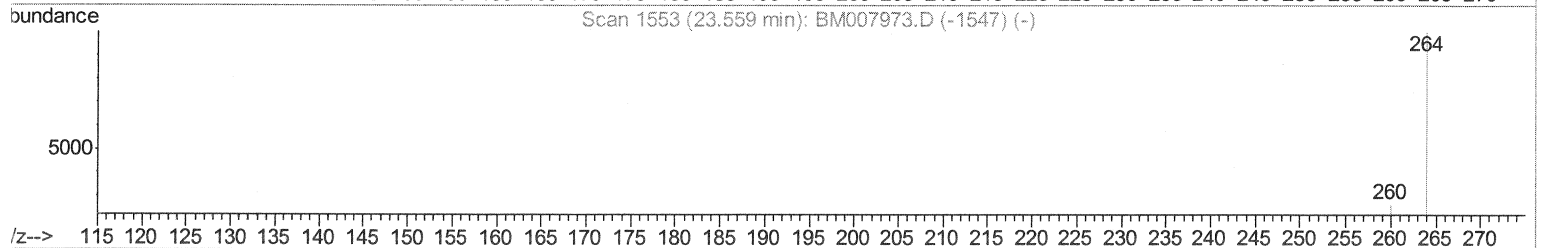
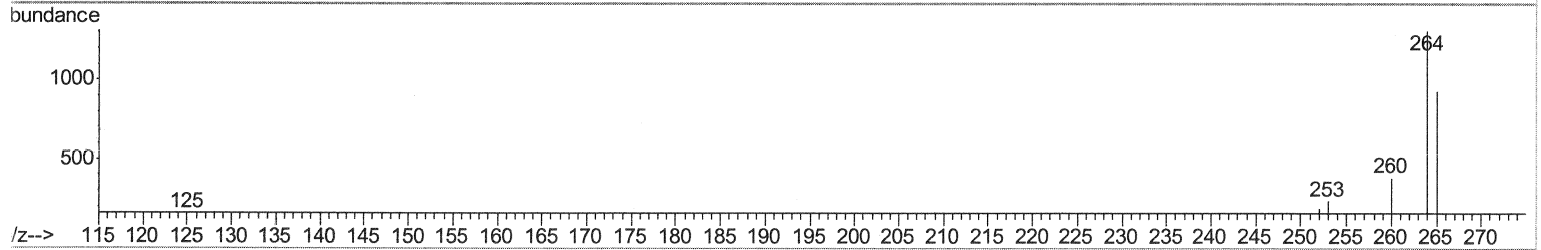
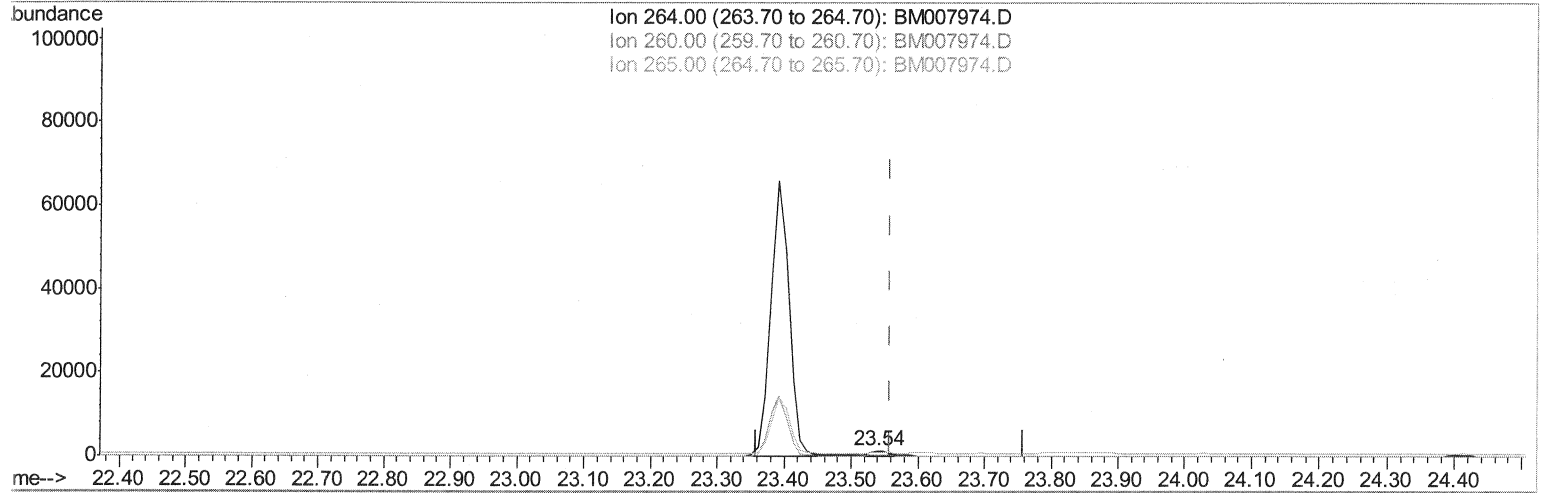
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
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Quant Time: Nov 22 09:55:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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 QLast Update : Tue Nov 22 05:49:20 2016
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.538min (-0.021) 0.40ng/ul m

51 11/23/16

response 2151

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.18
265.00	103.50	71.28#
0.00	0.00	0.00

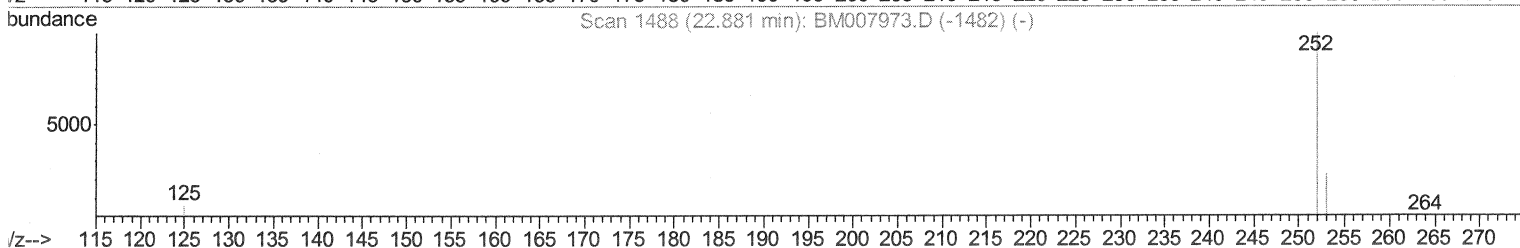
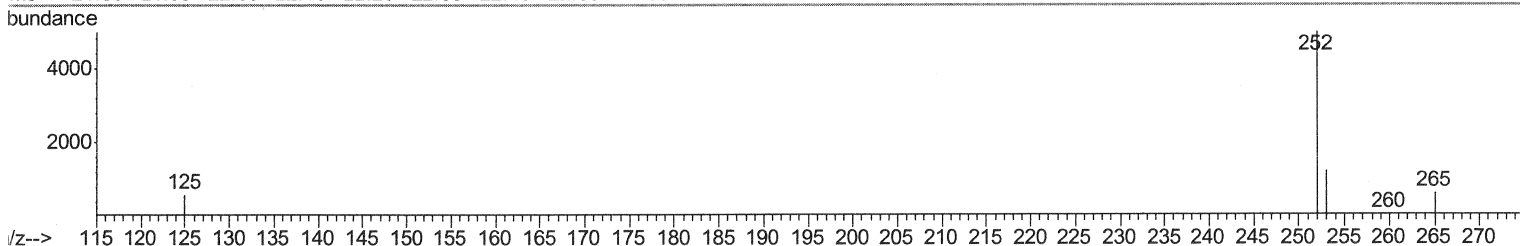
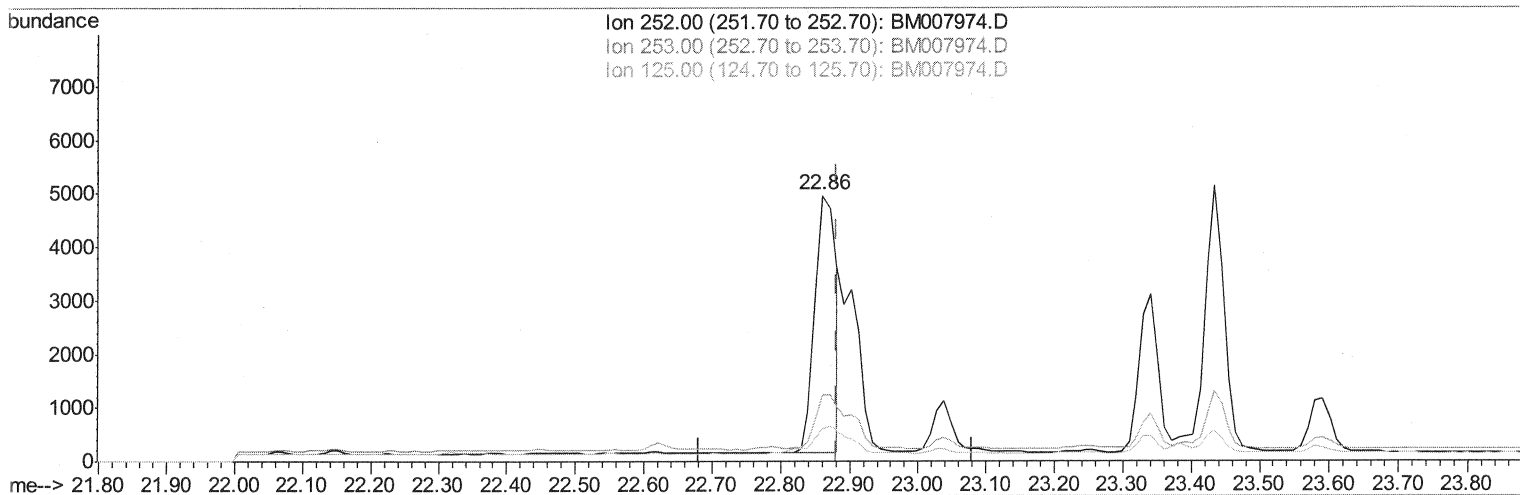
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
 APPROVED

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Quant Time: Nov 22 09:57:22 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

22.861min (-0.021) 1.21ng/ul

response 10345

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.74
125.00	17.50	12.27
0.00	0.00	0.00

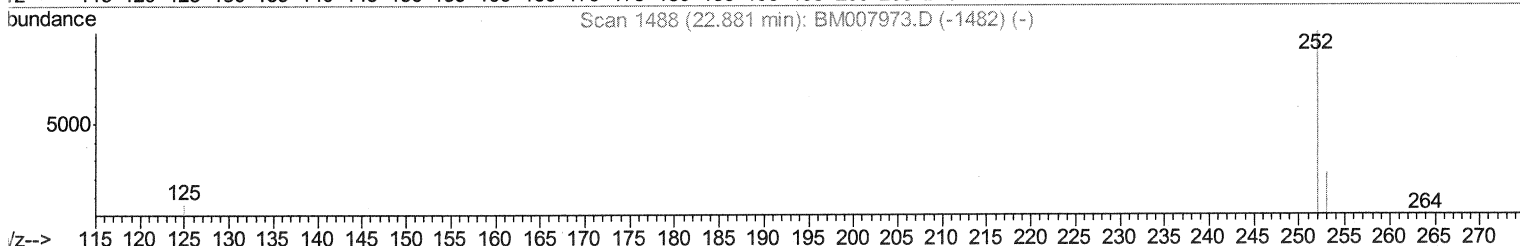
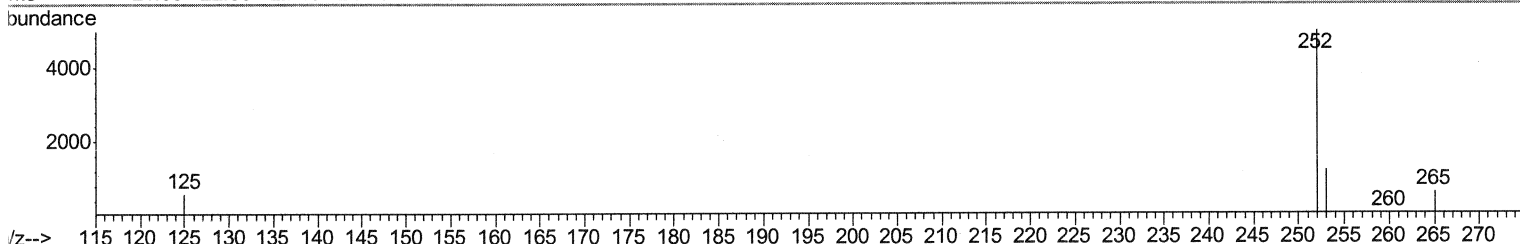
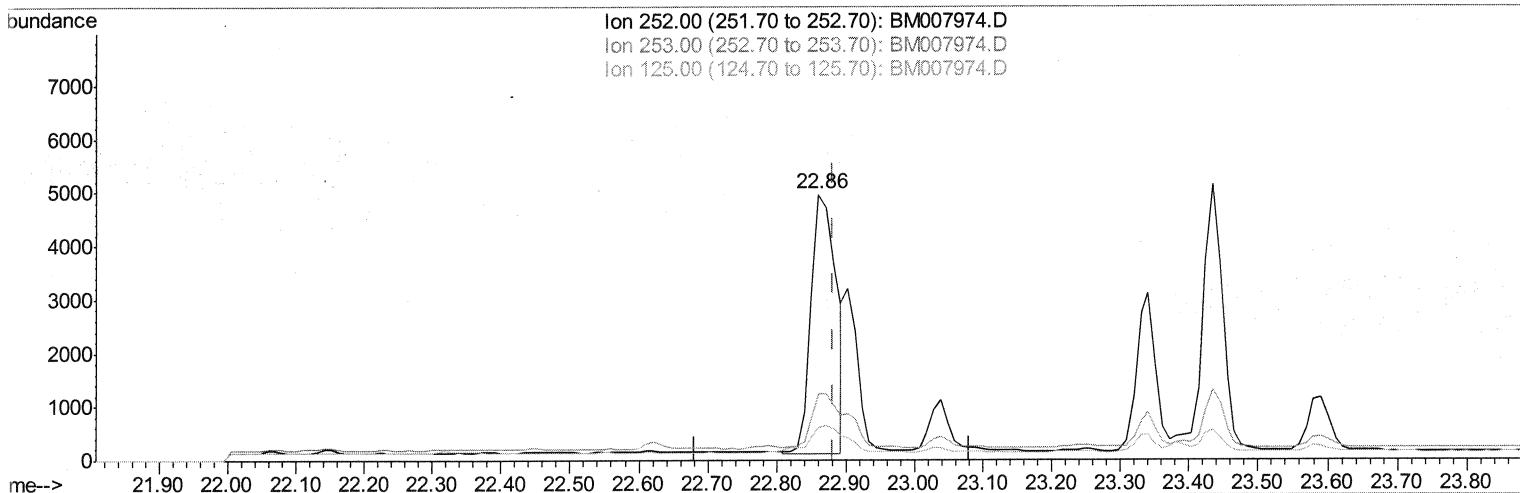
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 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
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Quant Time: Nov 22 09:57:22 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

22.861min (-0.021) 1.43ng/ul m

53 11/23/16

response 12317

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.74
125.00	17.50	12.27
0.00	0.00	0.00

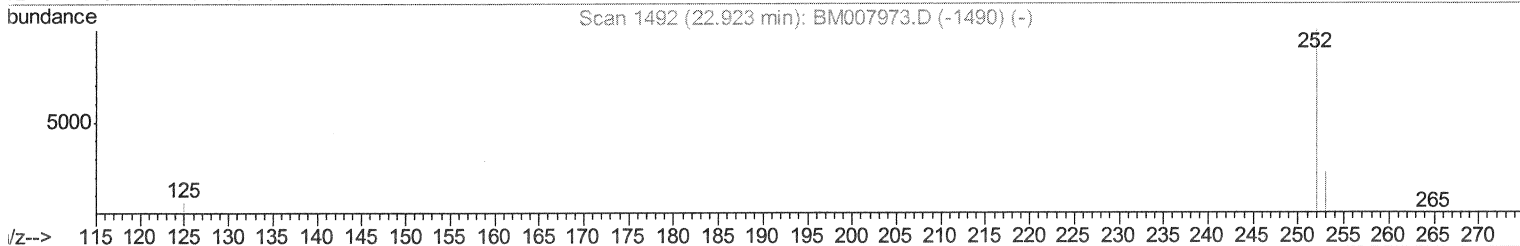
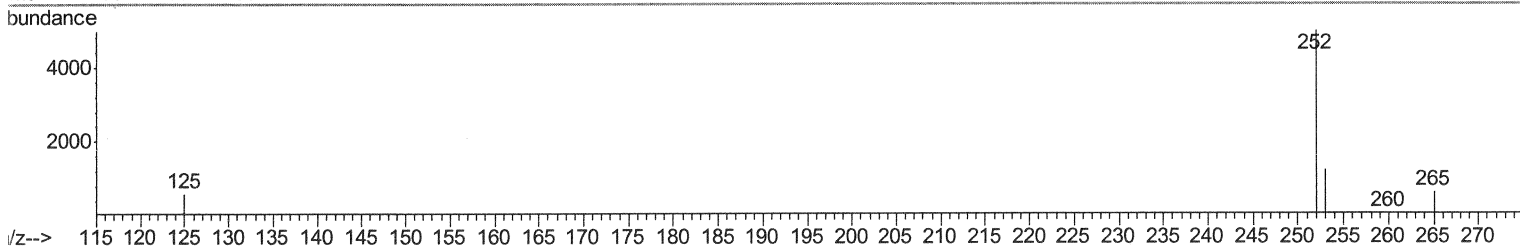
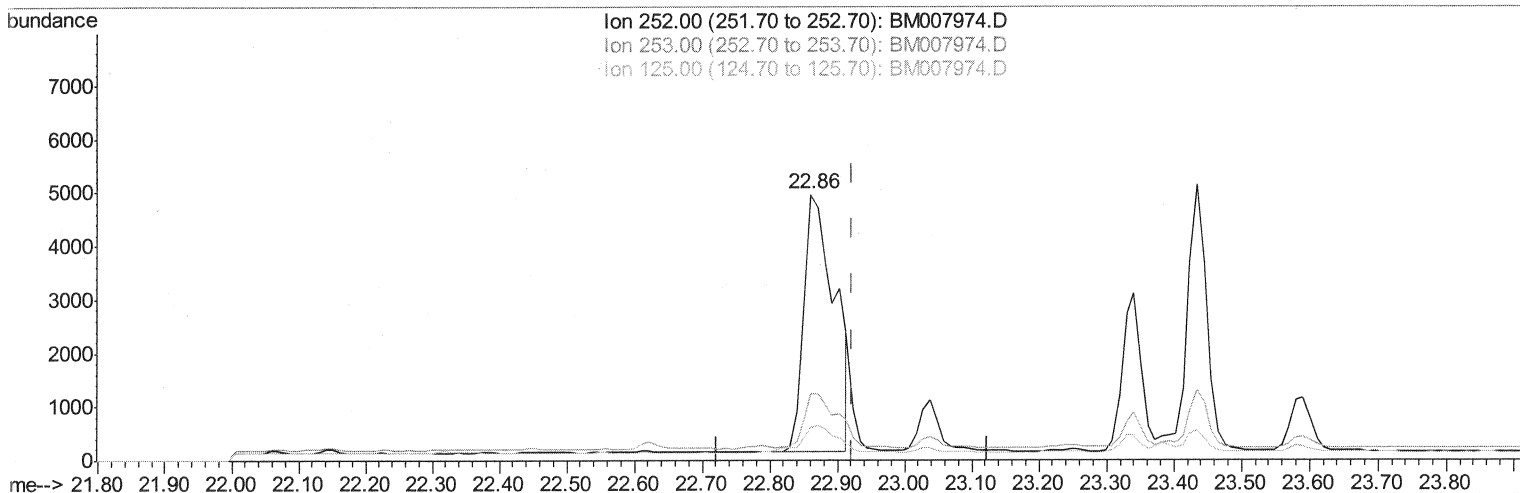
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
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 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
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Quant Time: Nov 22 09:57:22 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: BM007974.D

(22) Benzo(k)fluoranthene

22.861min (-0.062) 1.74ng/ul

response 15382

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.74
125.00	17.10	12.27#
0.00	0.00	0.00

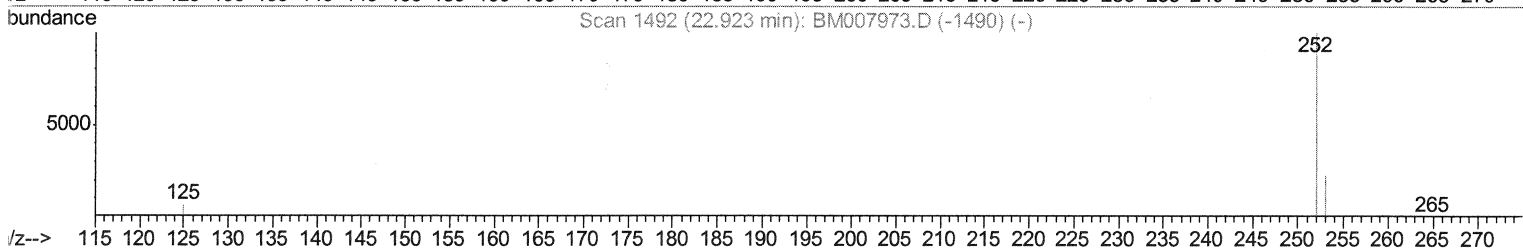
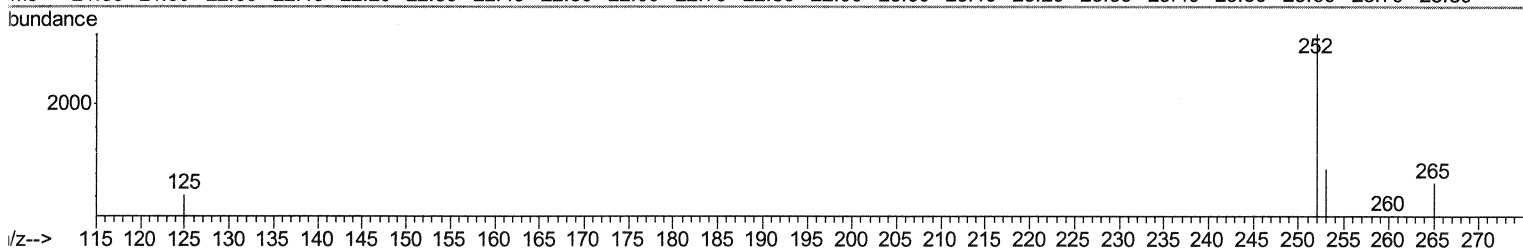
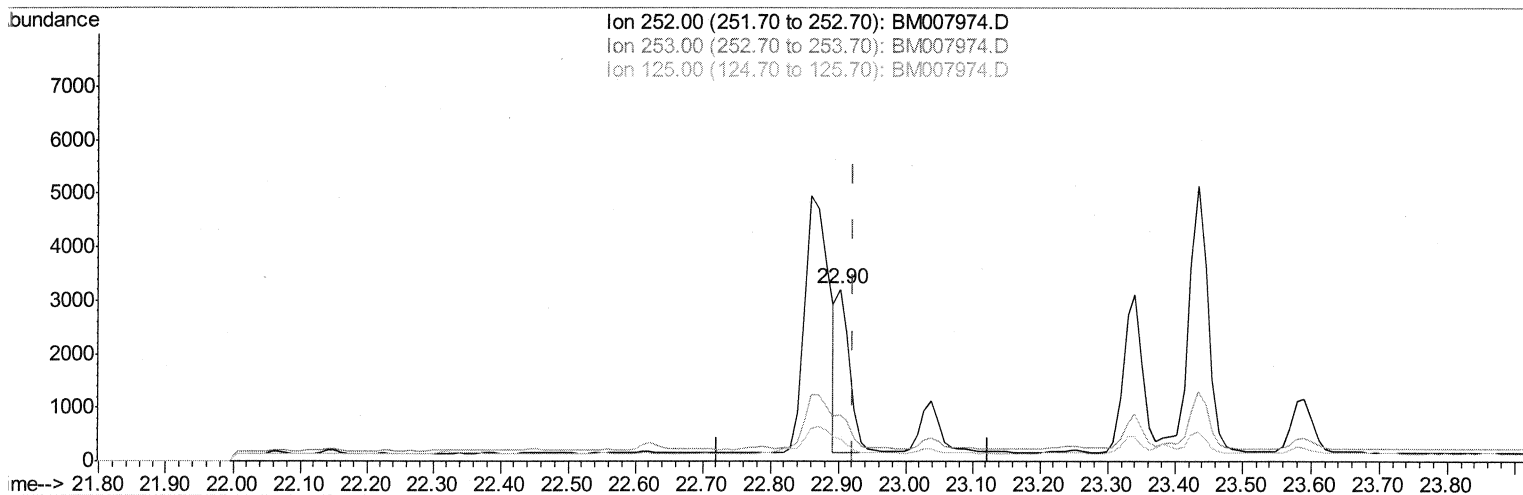
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
 APPROVED

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Quant Time: Nov 22 09:57:22 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



(22) Benzo(k)fluoranthene

22.902min (-0.021) 0.46ng/ul m

SJ 11/23/16

response 4056

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	27.31
125.00	17.10	13.39#
0.00	0.00	0.00

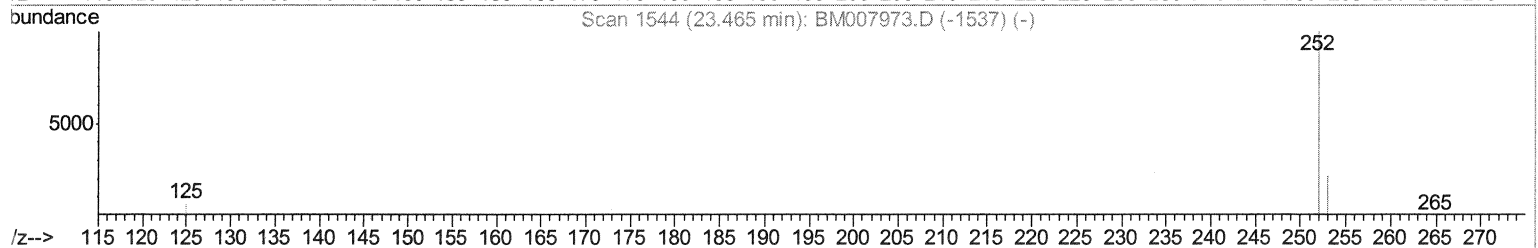
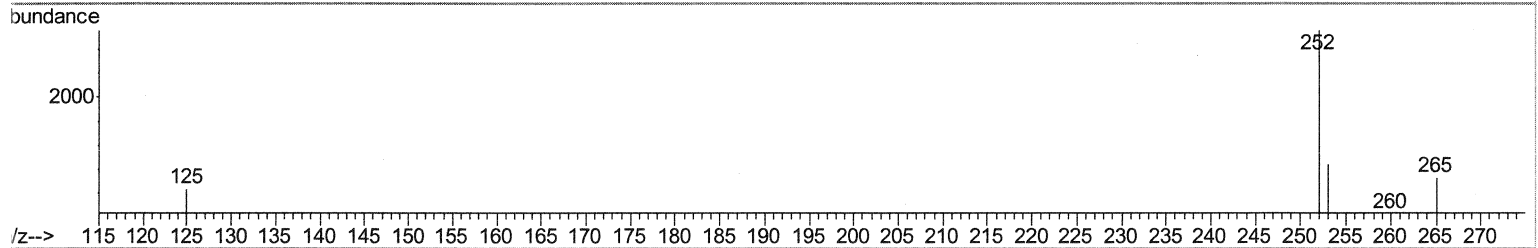
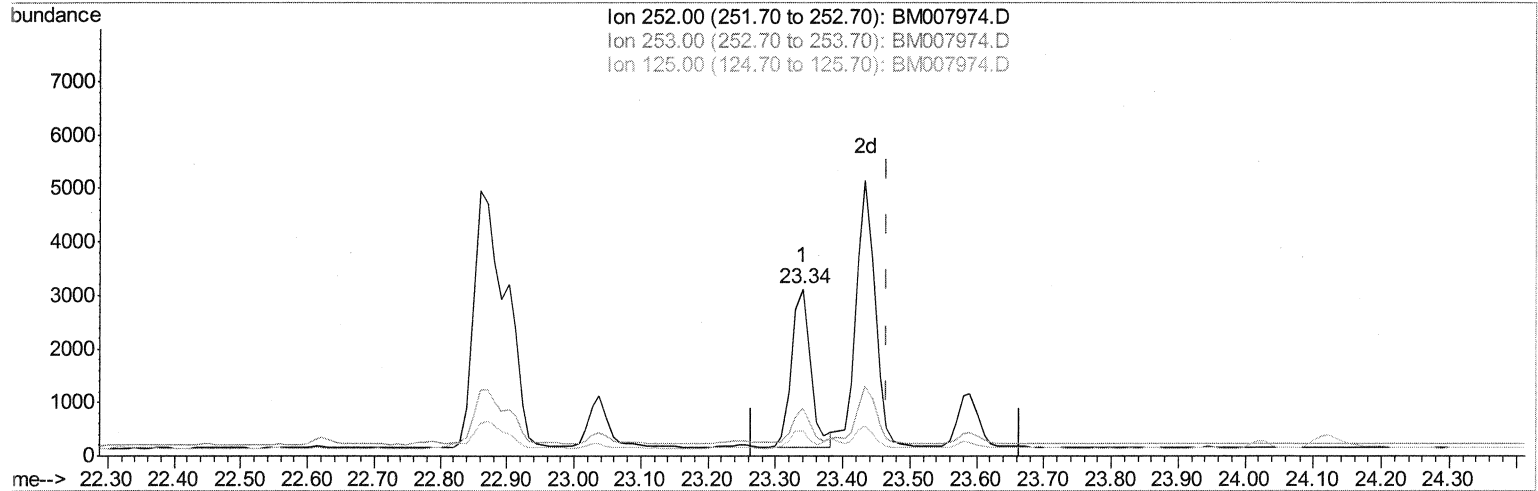
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
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Quant Time: Nov 22 09:57:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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TIC: BM007974.D

(23) Benzo(a)pyrene (C)

23.340min (-0.125) 0.72ng/ul

response 5821

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.43#
125.00	22.60	14.90#
0.00	0.00	0.00

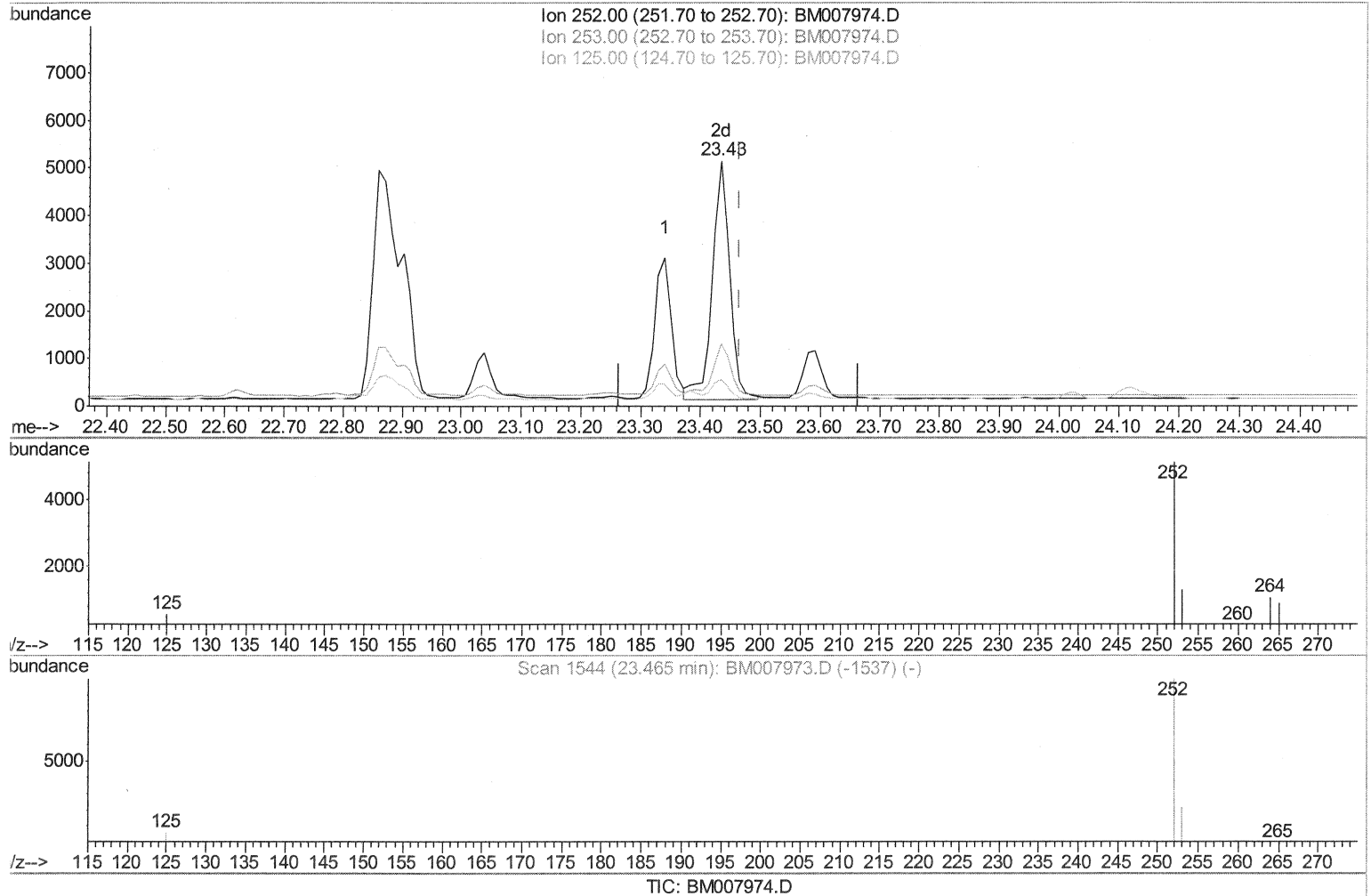
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Data File : BM007974.D
Acq On : 22 Nov 2016 00:39
Operator : UM/SJ
Sample : H5695-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHST4

Manual Integrations
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Quant Time: Nov 22 09:57:22 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



(23) Benzo(a)pyrene (C)

23.434min (-0.031) 1.27ng/ul m

SJ 11/23/16

response 10204

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.28#
125.00	22.60	11.01#
0.00	0.00	0.00

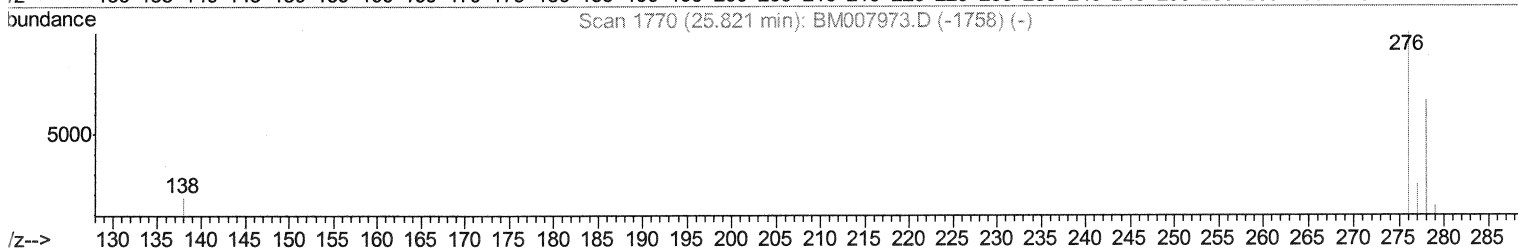
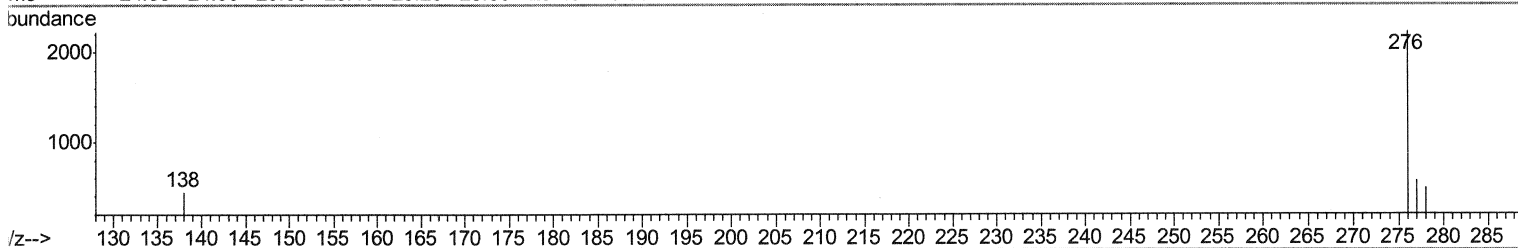
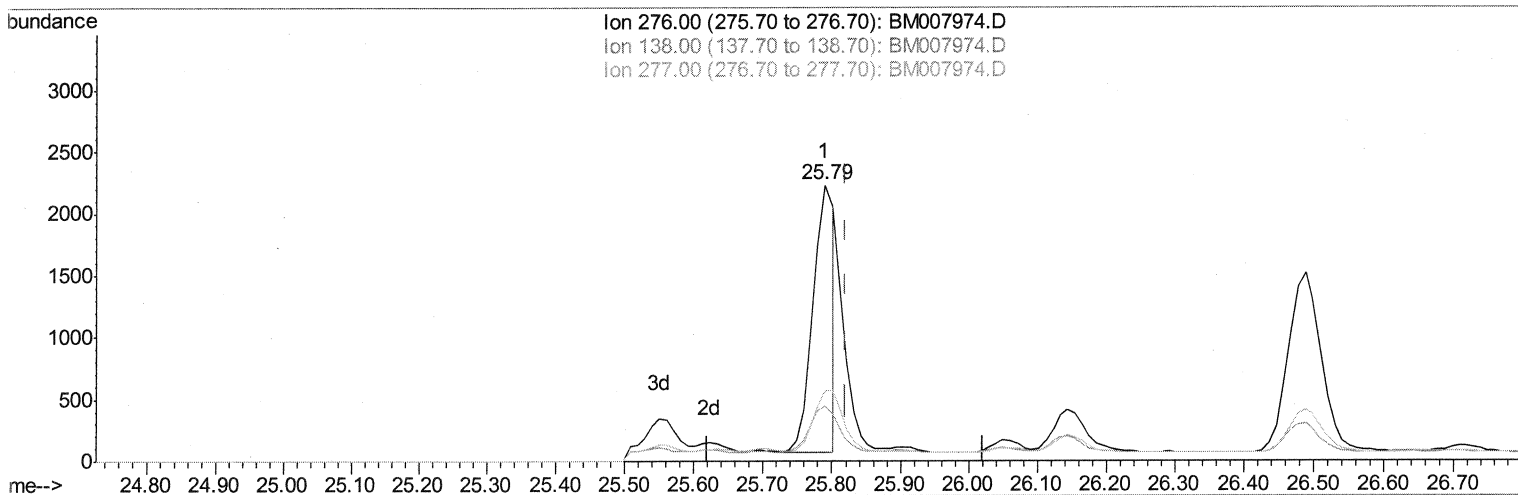
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
Data File : BM007974.D
Acq On : 22 Nov 2016 00:39
Operator : UM/SJ
Sample : H5695-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHST4

Manual Integrations
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Quant Time: Nov 22 09:57:22 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: BM007974.D

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

25.790min (-0.031) 0.45ng/ul

response 4476

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	19.15
277.00	24.50	22.59
0.00	0.00	0.00

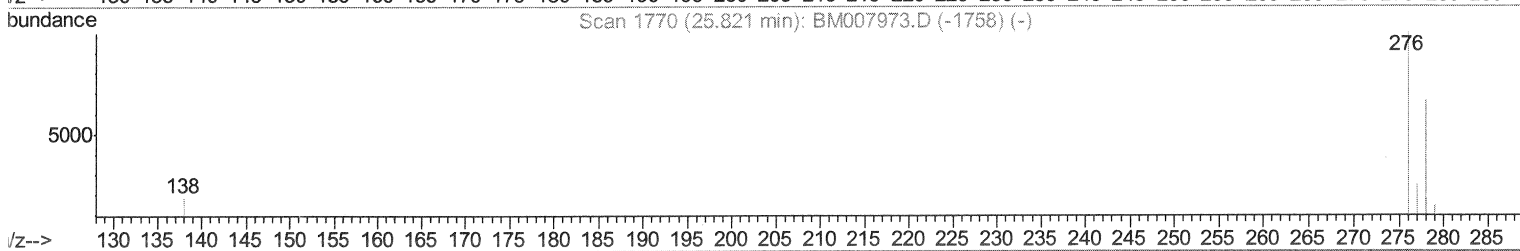
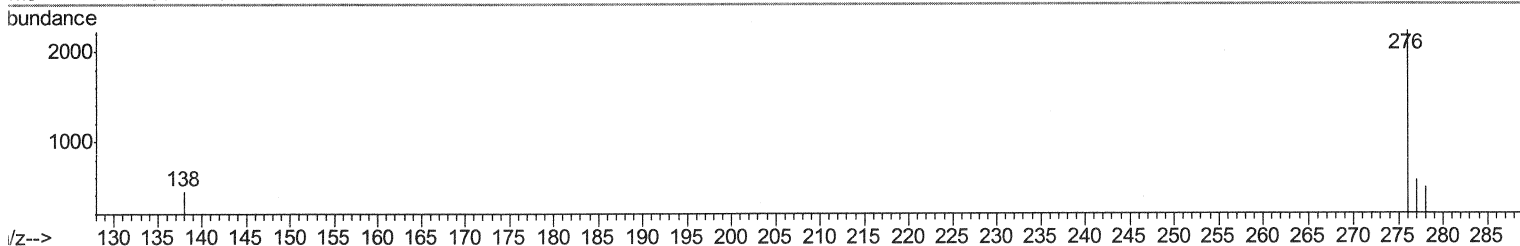
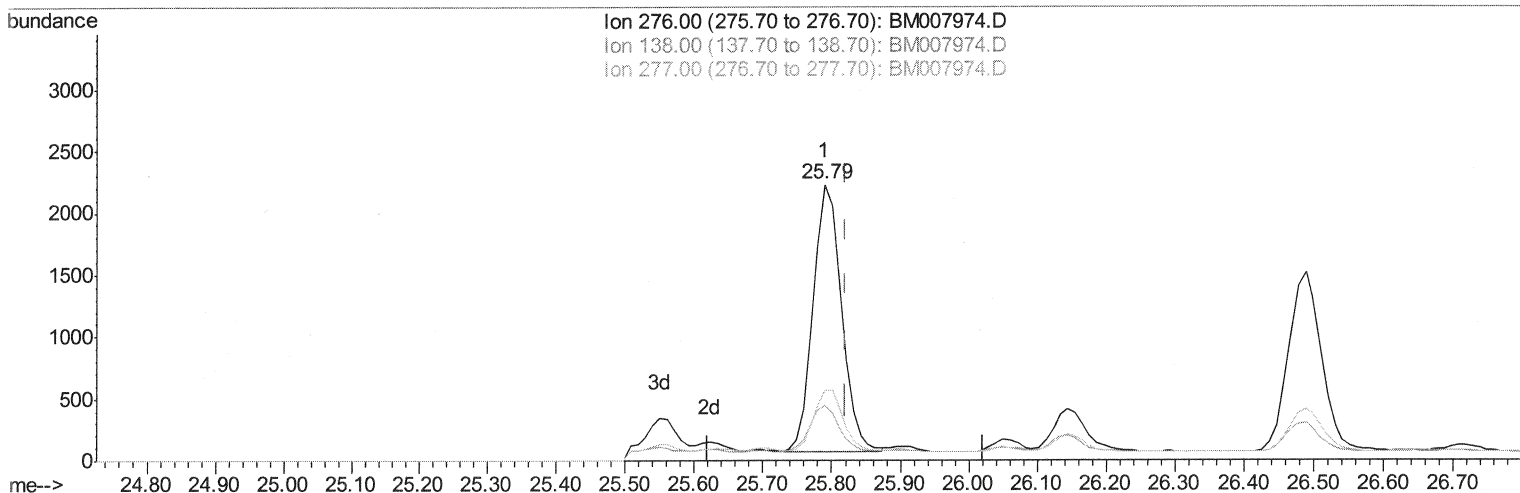
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 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 JHST4

Manual Integrations
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Quant Time: Nov 22 09:57:22 2016
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TIC: BM007974.D

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

25.790min (-0.031) 0.62ng/ul m

SJ 11/23/16

response 6190

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	13.84#
277.00	24.50	16.33#
0.00	0.00	0.00

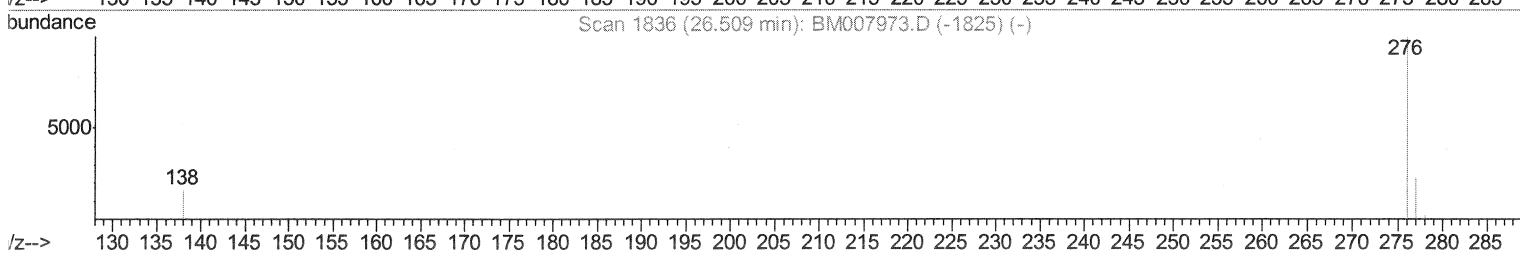
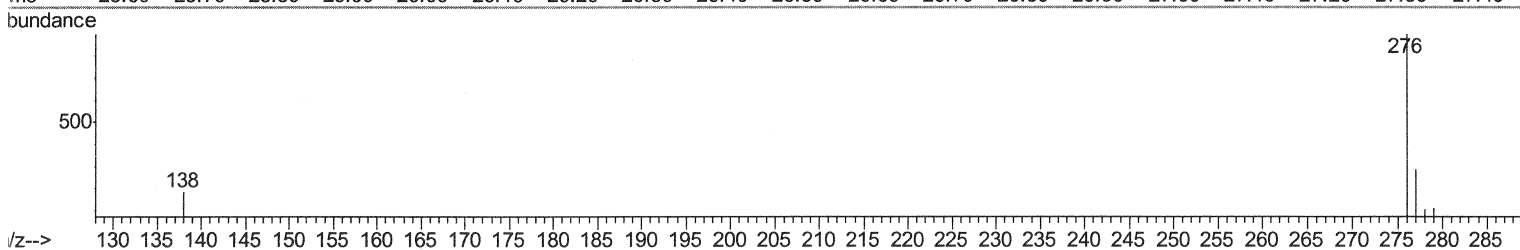
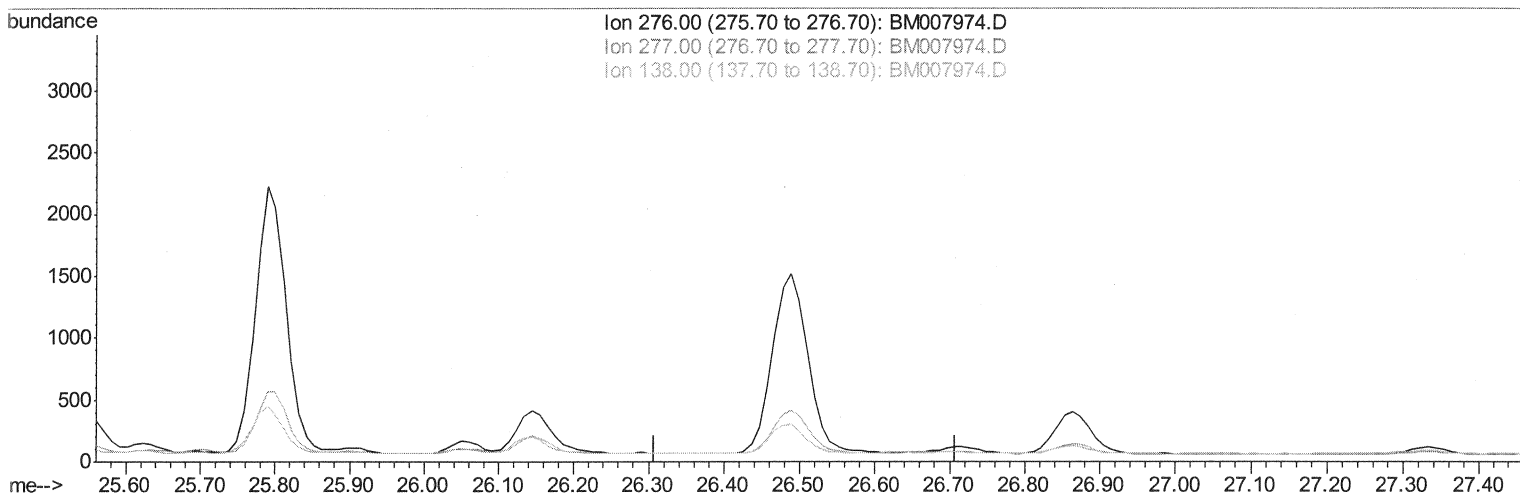
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
Data File : BM007974.D
Acq On : 22 Nov 2016 00:39
Operator : UM/SJ
Sample : H5695-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHST4

Manual Integrations
APPROVED

sohil
11/22/2016 4:01:04 PM

Quant Time: Nov 22 09:57:22 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: BM007974.D

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

26.509min (-26.509) 0.00ng/ui

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

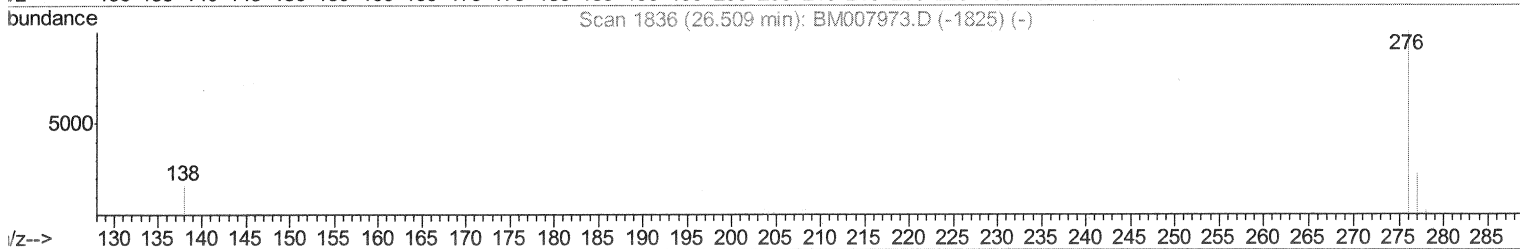
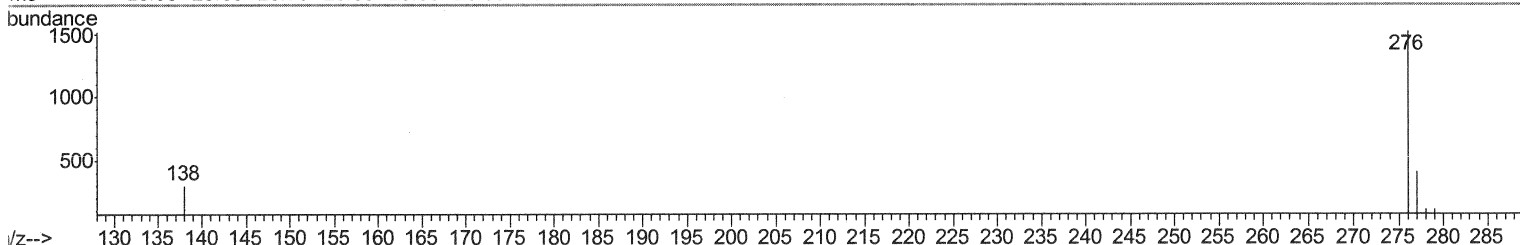
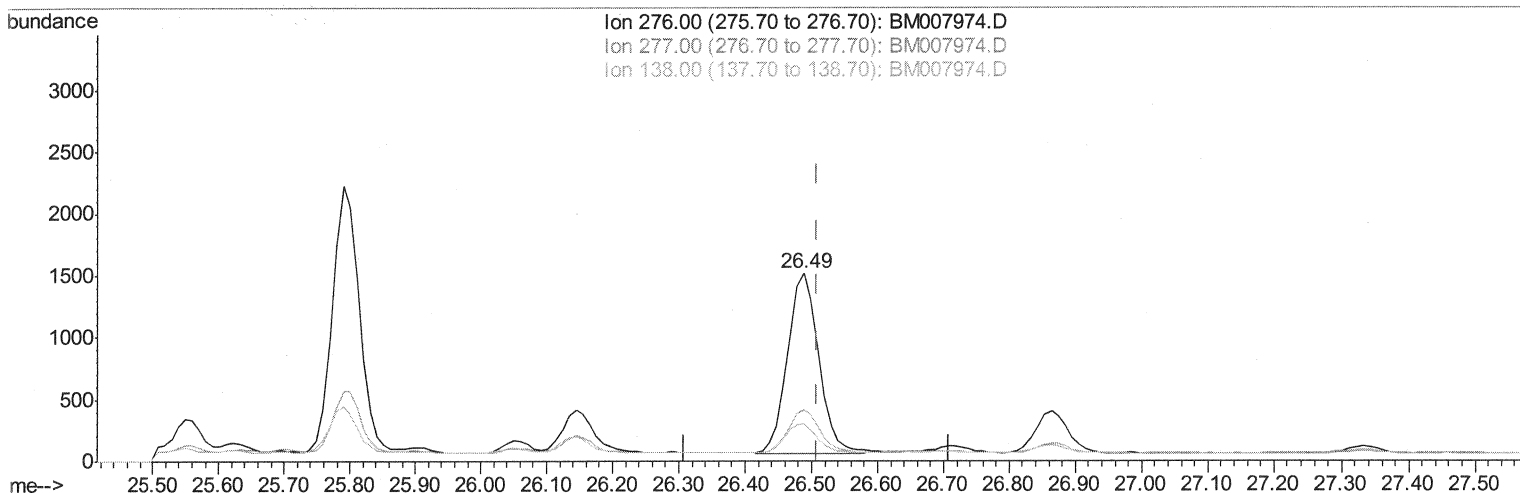
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
 APPROVED

sohil
 11/22/2016 4:01:04 PM

Quant Time: Nov 22 09:57:22 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: BM007974.D

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

26.488min (-0.021) 0.54ng/ul m

SJ 11/23/16

response 4780

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	27.11
138.00	25.60	19.99#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM112116\
 Data File : BM007974.D
 Acq On : 22 Nov 2016 00:39
 Operator : UM/SJ
 Sample : H5695-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4

Manual Integrations
 APPROVED

sohil
 11/22/2016 4:01:04 PM

Quant Time: Nov 22 10:00:12 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	580	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1934	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1184	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.11	188	2490m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.30	240	2662	0.40	ng/ul	-0.01
20) Perylene-d12	23.54	264	2151m	0.40	ng/ul	-0.02

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	581	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	1504	0.21	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	599	0.11	ng/ul#	80
5) 2-Methylnaphthalene	12.19	142	139	0.04	ng/ul	99
7) Acenaphthylene	14.06	152	761	0.14	ng/ul#	80
12) Phenanthrene	17.14	178	6002	0.77	ng/ul	94
13) Anthracene	17.23	178	1365	0.19	ng/ul#	92
15) Fluoranthene	19.16	202	17644m	1.76	ng/ul	
17) Pyrene	19.52	202	19747	2.14	ng/ul	97
18) Benzo(a)anthracene	21.28	228	8476	1.04	ng/ul	97
19) Chrysene	21.33	228	10712	1.05	ng/ul	95
21) Benzo(b)fluoranthene	22.86	252	12317m	1.43	ng/ul	
22) Benzo(k)fluoranthene	22.90	252	4056m	0.46	ng/ul	
23) Benzo(a)pyrene	23.43	252	10204m	1.27	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.79	276	6190m	0.62	ng/ul	
26) Benzo(g,h,i)perylene	26.49	276	4780m	0.54	ng/ul	

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