

Quantitation Report (QT Reviewed)

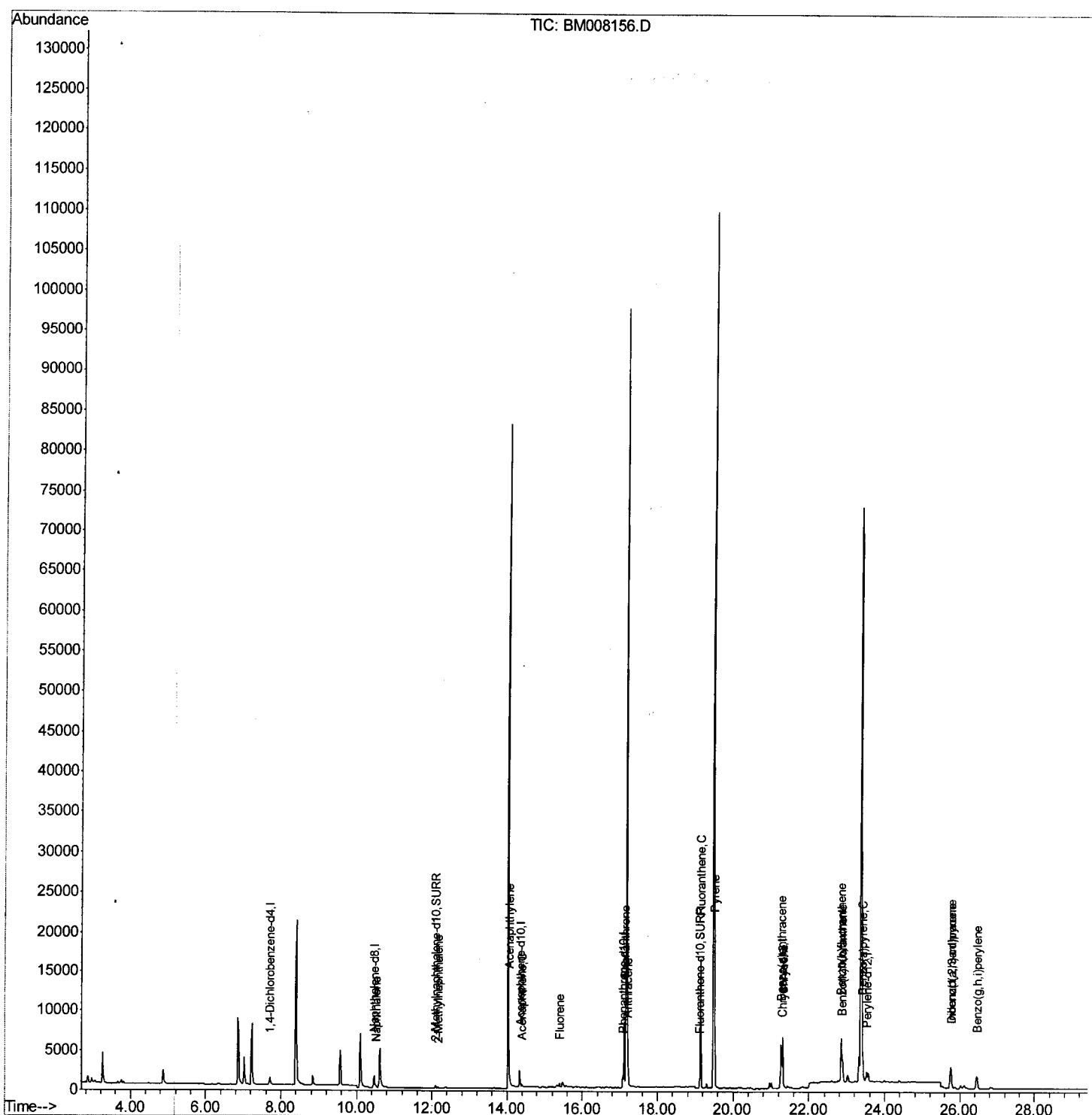
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008156.D
 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM

Quant Time: Dec 02 17:47:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



Quantitation Report (Qedit)

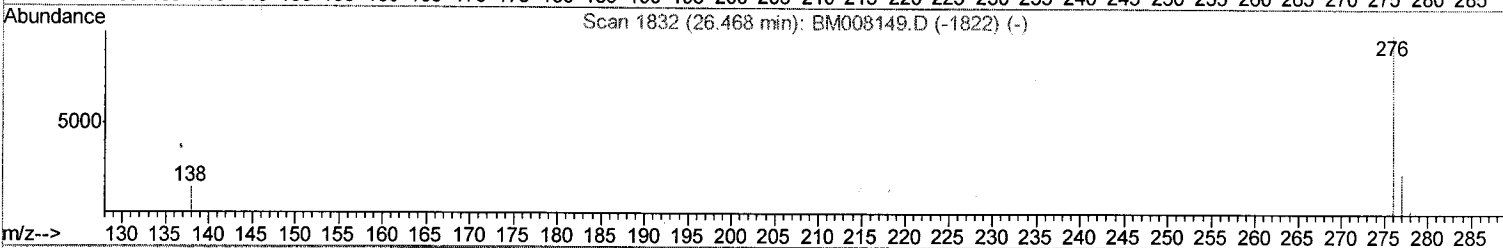
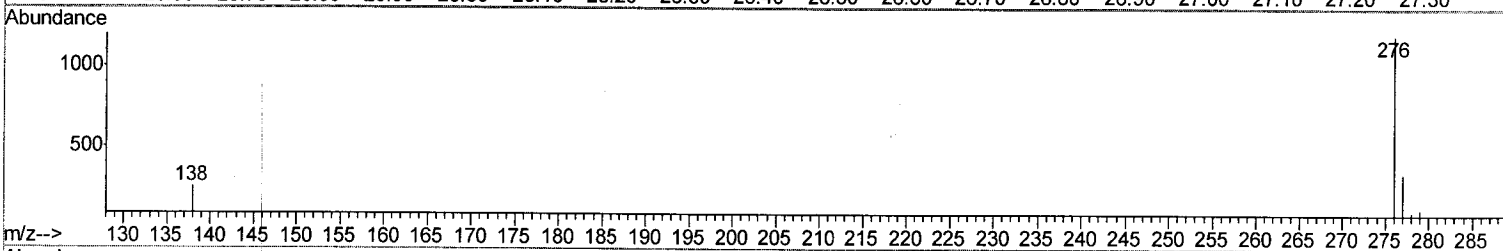
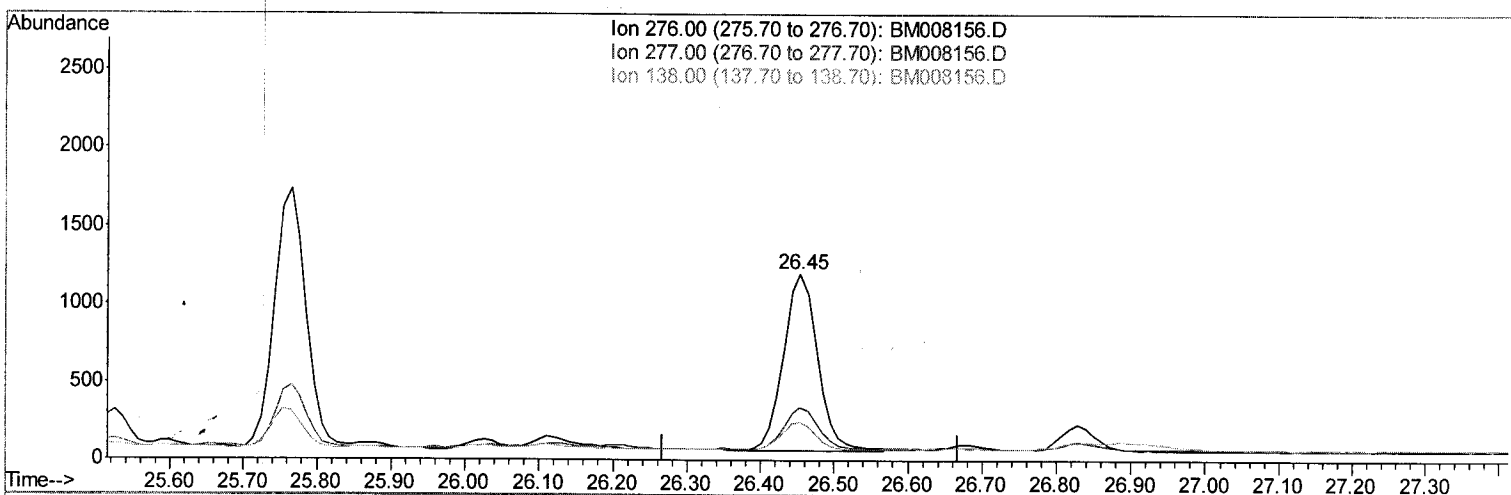
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
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sohil
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Quant Time: Dec 02 17:43:34 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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TIC: BM008156.D

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

26.454min (-0.014) 0.56ng/ul m

response 3666

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	28.25
138.00	25.60	20.42#
0.00	0.00	0.00

75.9
 12/06/16

Quantitation Report (Qedit)

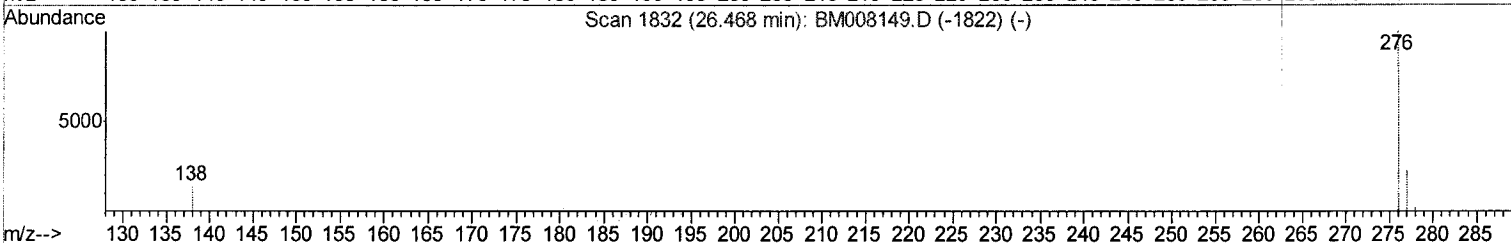
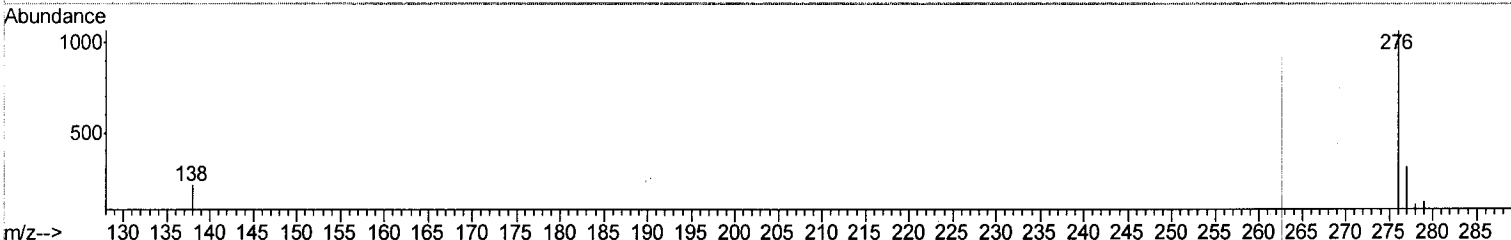
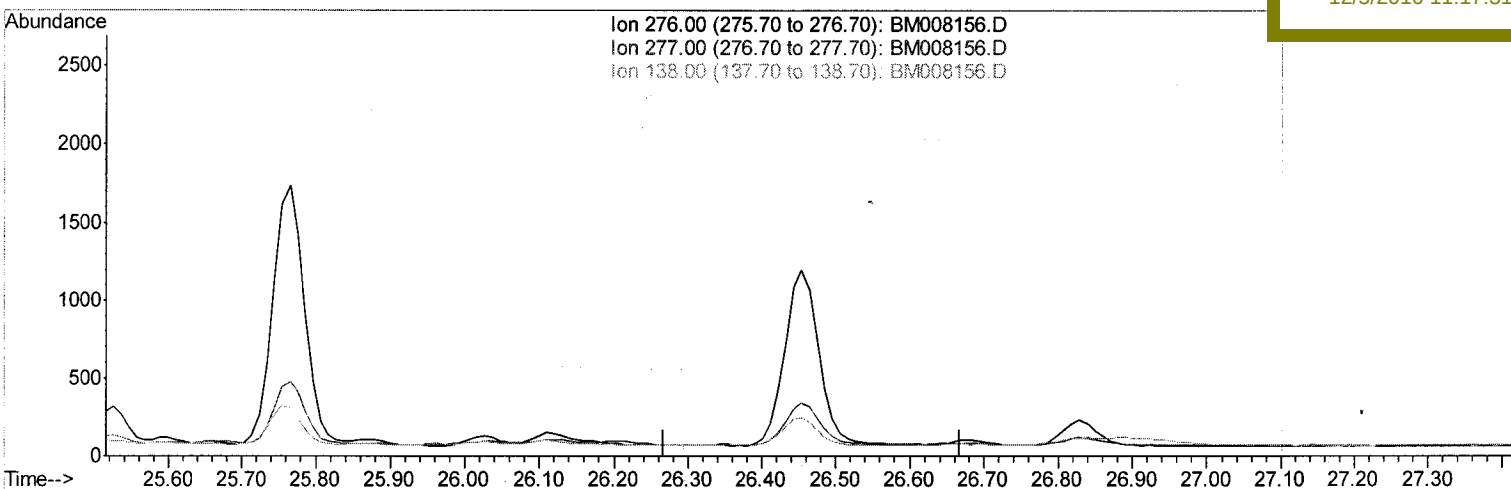
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TIC: BM008156.D

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

26.468min (-26.468) 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)

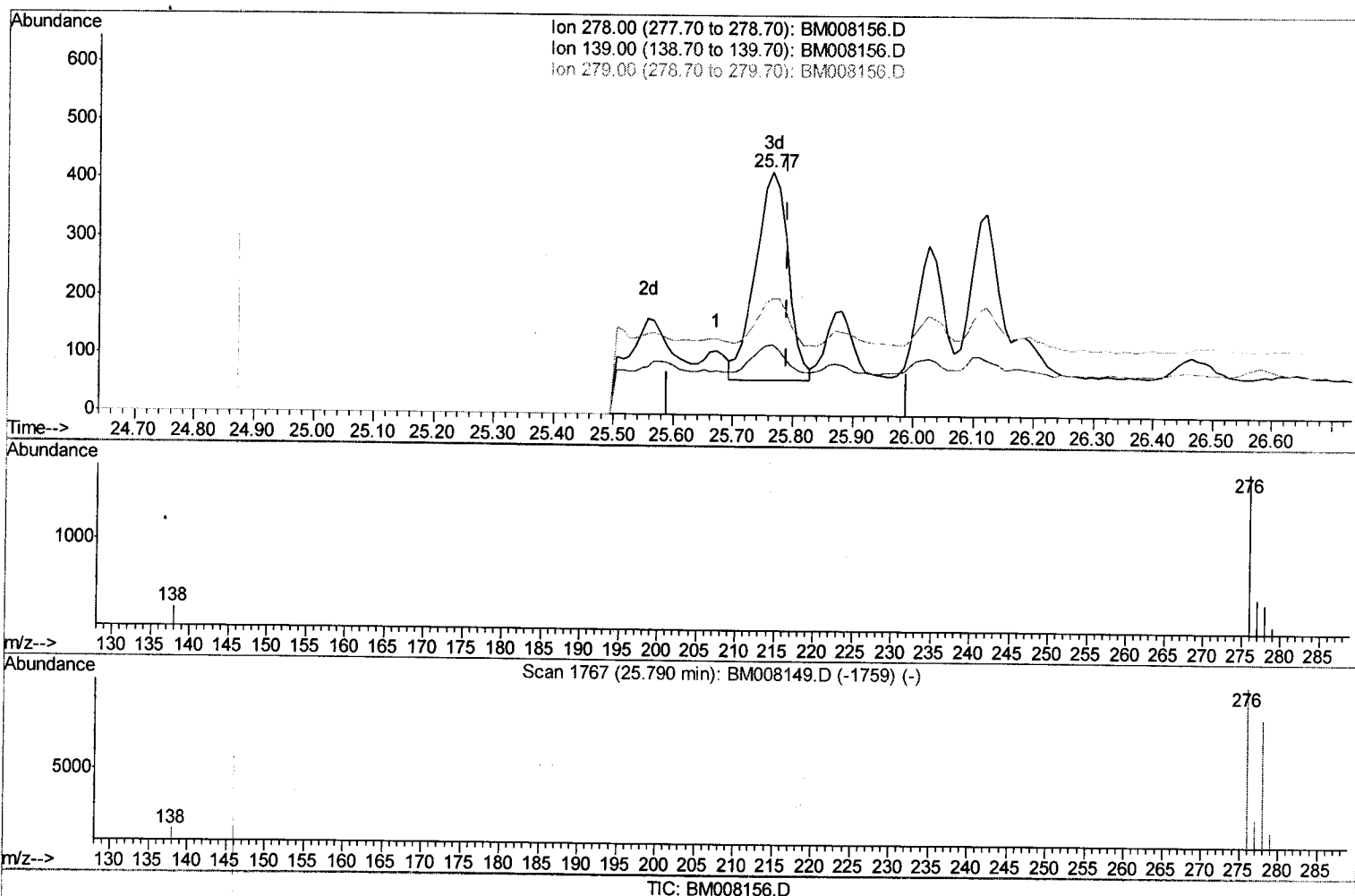
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(25) Dibenzo(a,h)anthracene

25.766min (-0.024) 0.23ng/ul m

response 1343

Ion Exp% Act%

278.00 100 100

139.00 21.70 28.92#

279.00 32.40 48.19#

0.00 0.00 0.00

25.7
 12/06/16

Quantitation Report (Qedit)

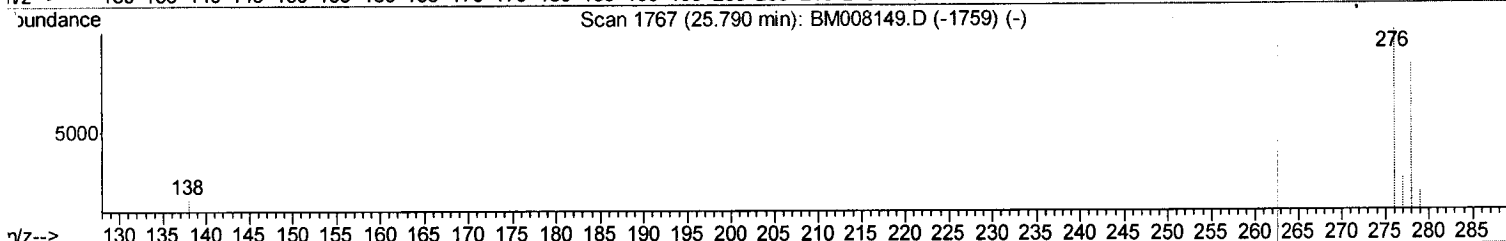
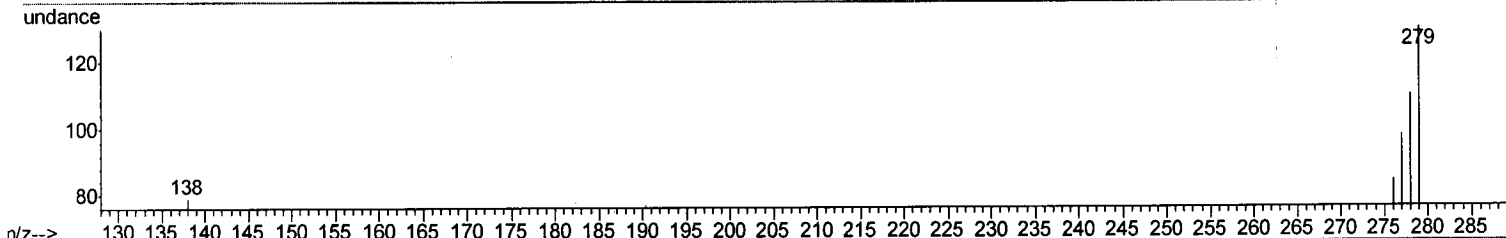
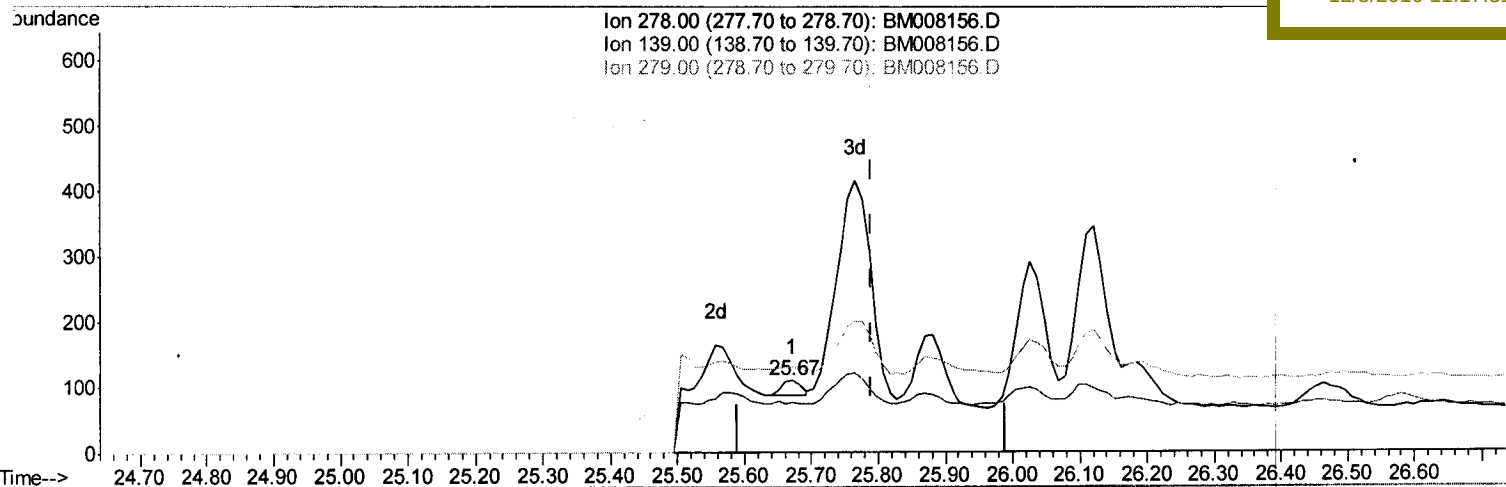
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TIC: BM008156.D

(25) Dibenzo(a,h)anthracene

25.672min (-0.118) 0.01ng/ul

response 48

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	69.09#
279.00	32.40	118.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

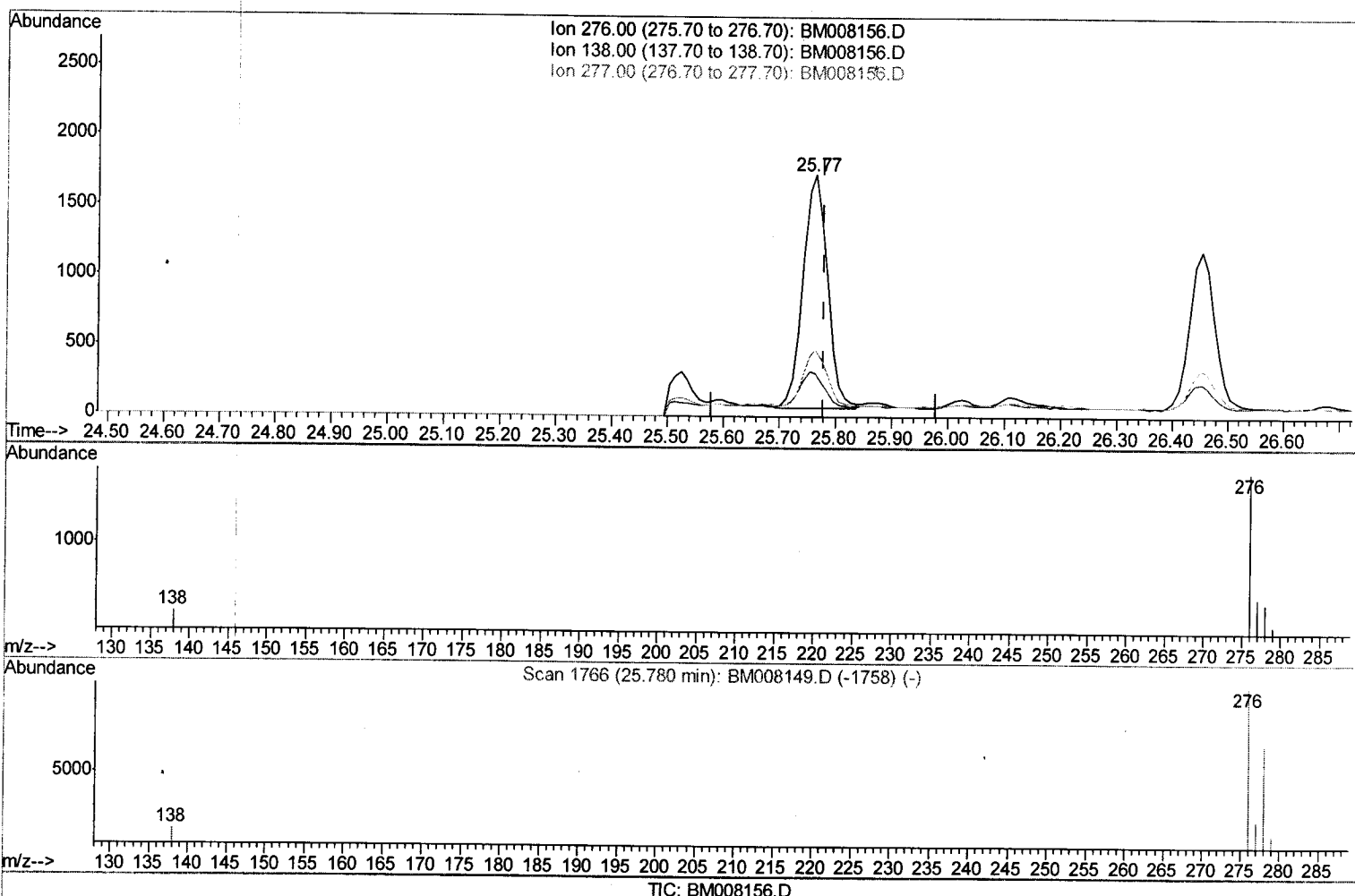
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
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 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

25.766min (-0.014) 0.68ng/ul m

response 5019

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	19.53
277.00	24.50	23.77
0.00	0.00	0.00

> 5.7
 12/06/16

Quantitation Report (Qedit)

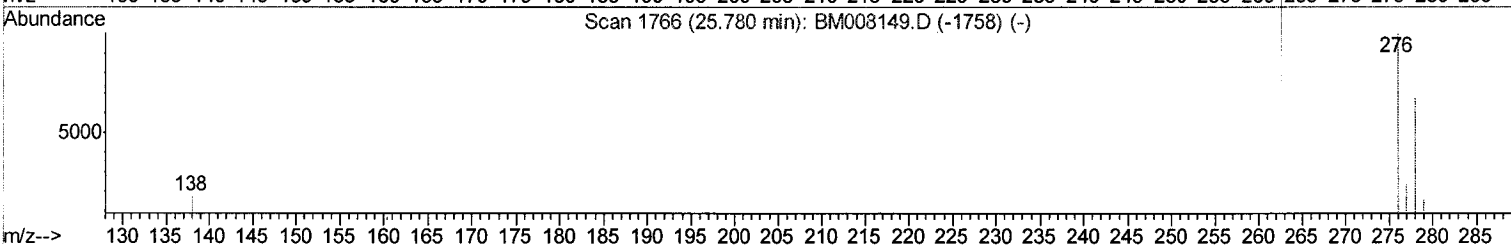
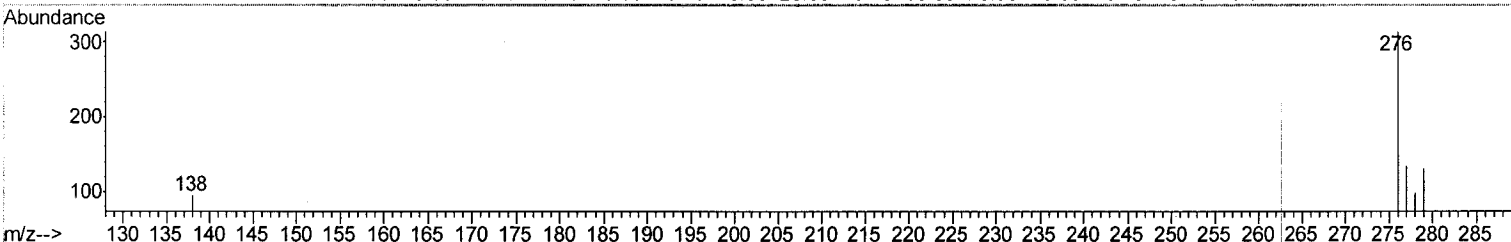
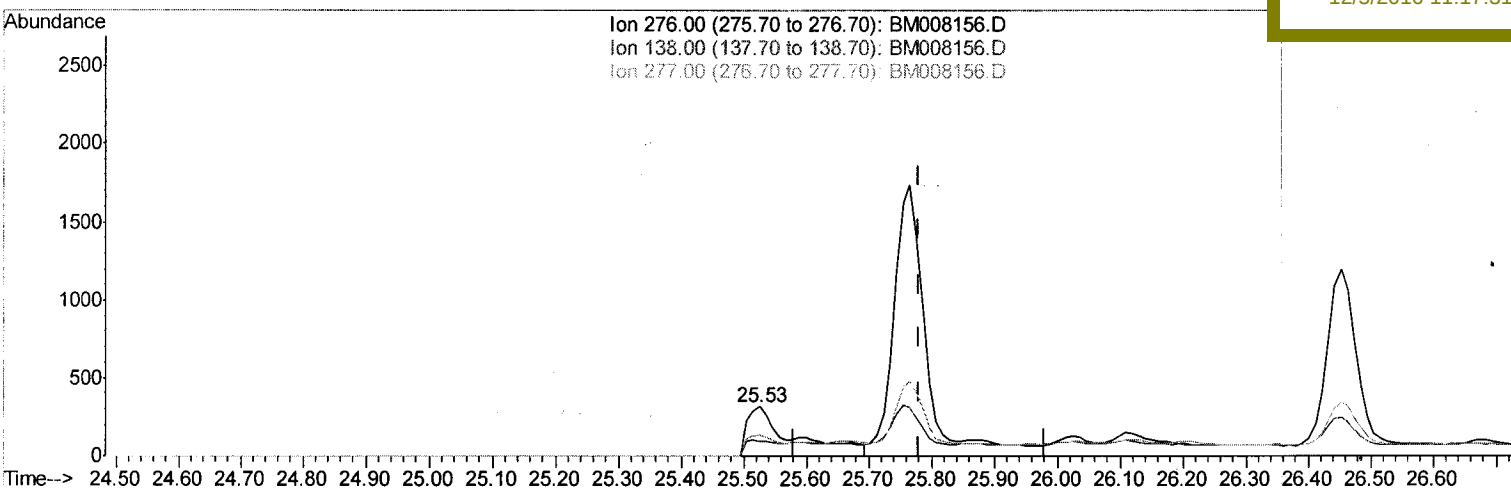
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 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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TIC: BM008156.D

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

25.526min (-0.254) 0.22ng/ul

response 1604

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	61.10#
277.00	24.50	74.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

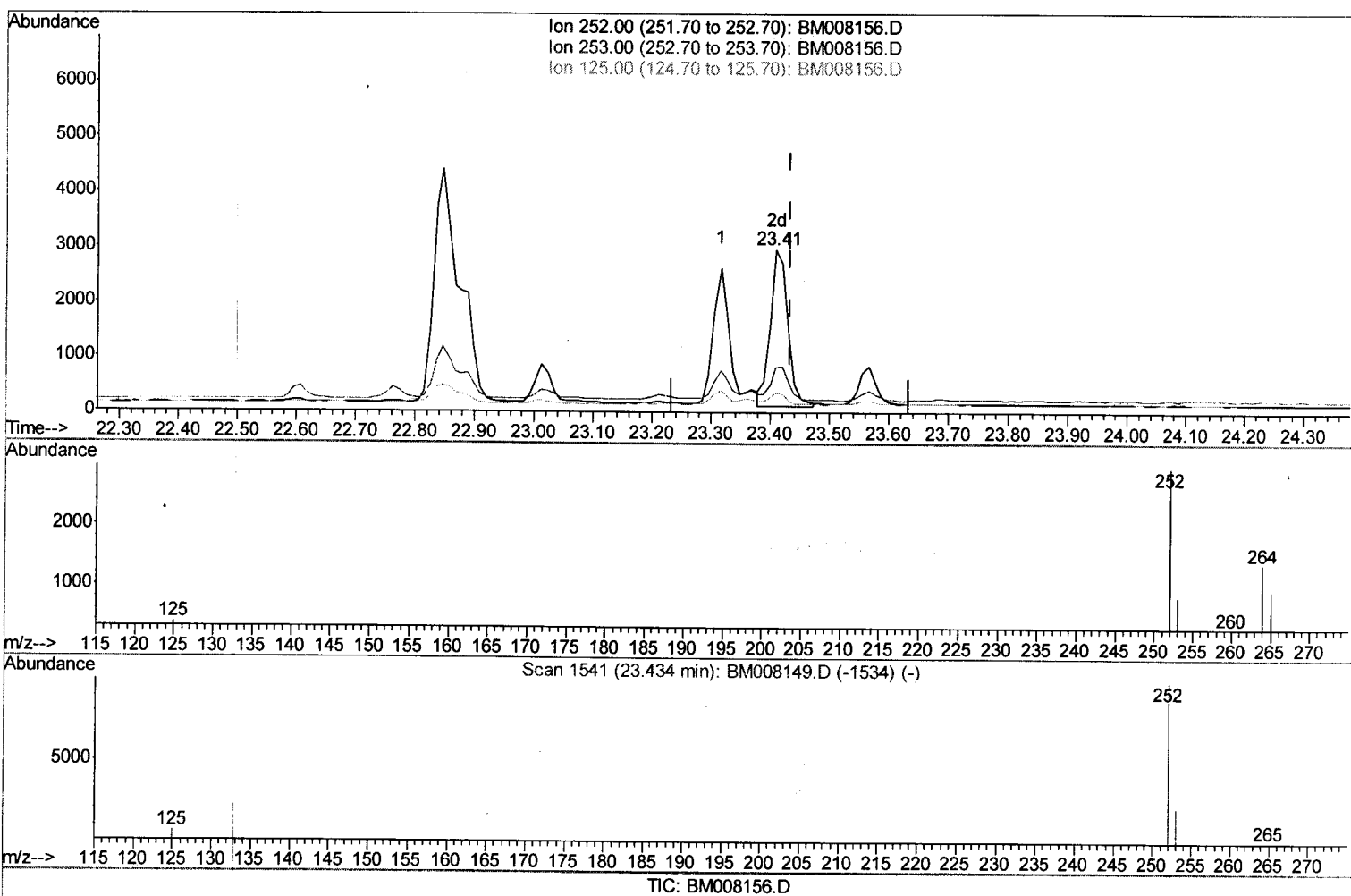
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
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 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
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Manual Integrations
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(23) Benzo(a)pyrene (C)

23.410min (-0.024) 0.98ng/ul m

response 5807

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.77#
125.00	22.60	12.42#
0.00	0.00	0.00

75.7
 12/06/16

Quantitation Report (Qedit)

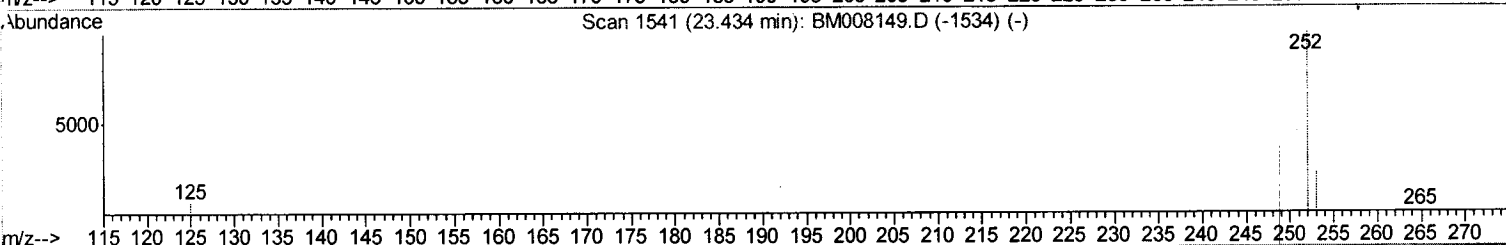
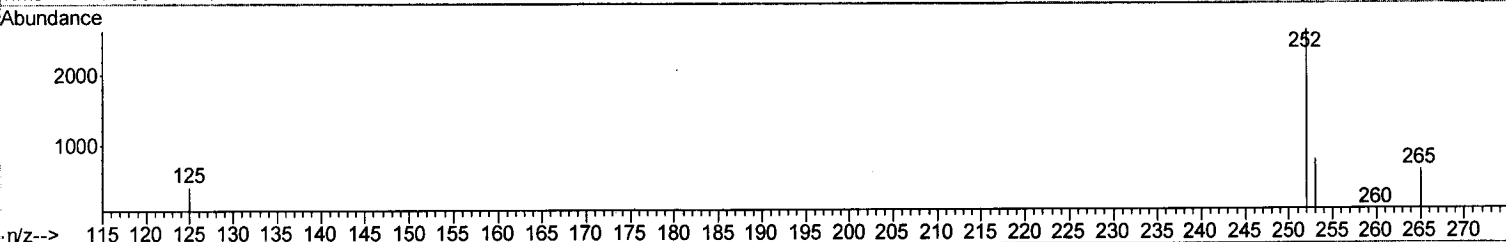
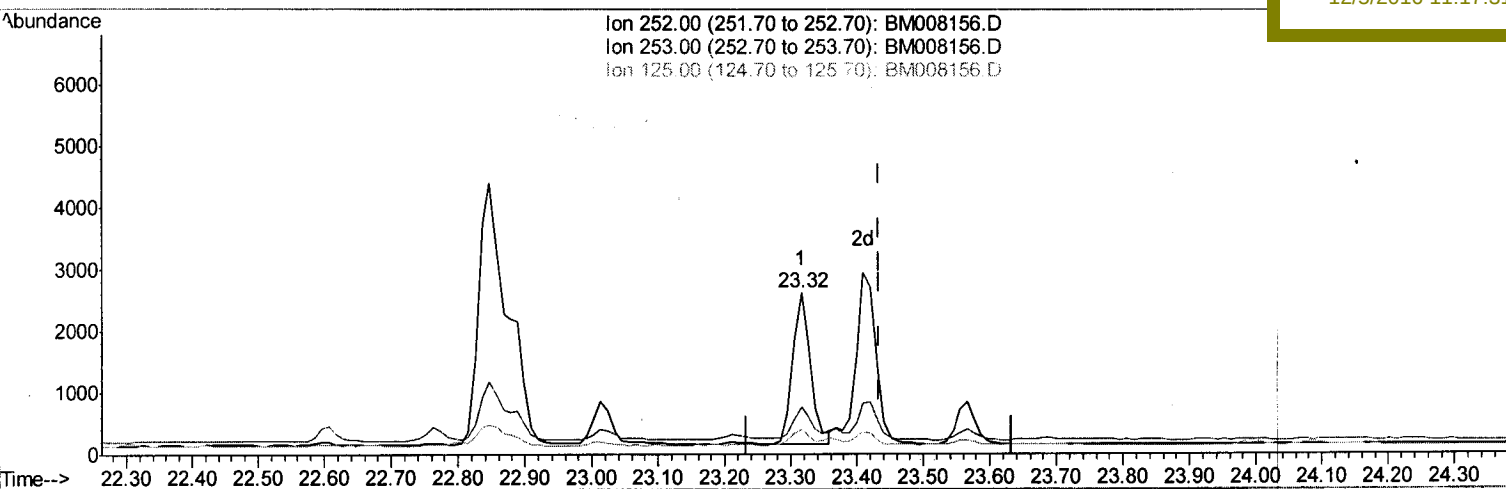
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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TIC: BM008156.D

(23) Benzo(a)pyrene (C)

23.316min (-0.118) 0.78ng/ul

response 4618

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.79
125.00	22.60	15.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

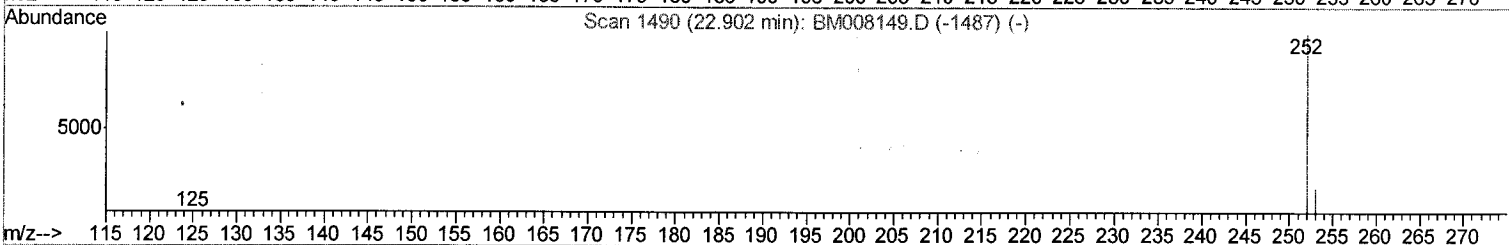
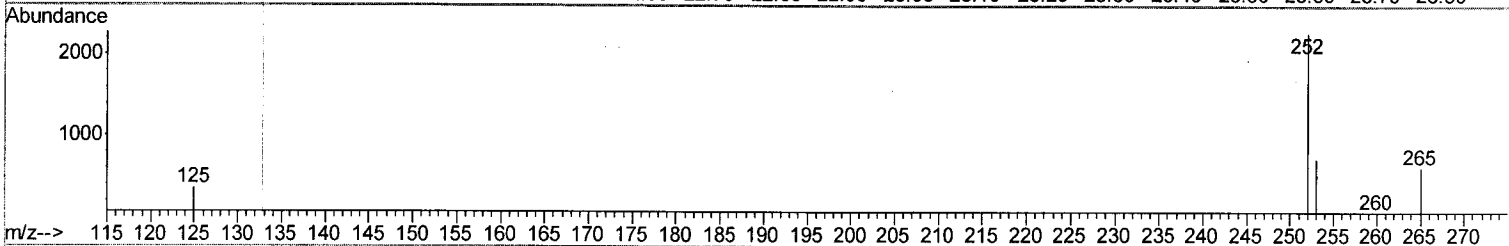
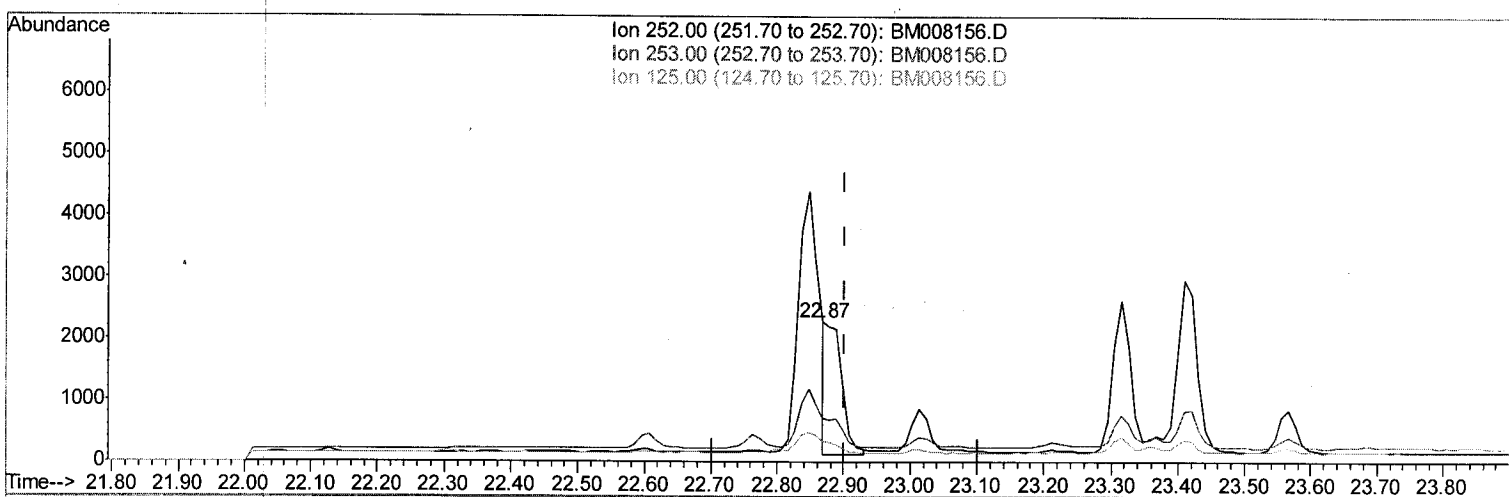
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 Data File : BM008156.D
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 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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TIC: BM008156.D

(22) Benzo(k)fluoranthene

22.868min (-0.035) 0.54ng/ul m

response 3521

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.82
125.00	17.10	15.12
0.00	0.00	0.00

> 5.9
 12/06/16

Quantitation Report (Qedit)

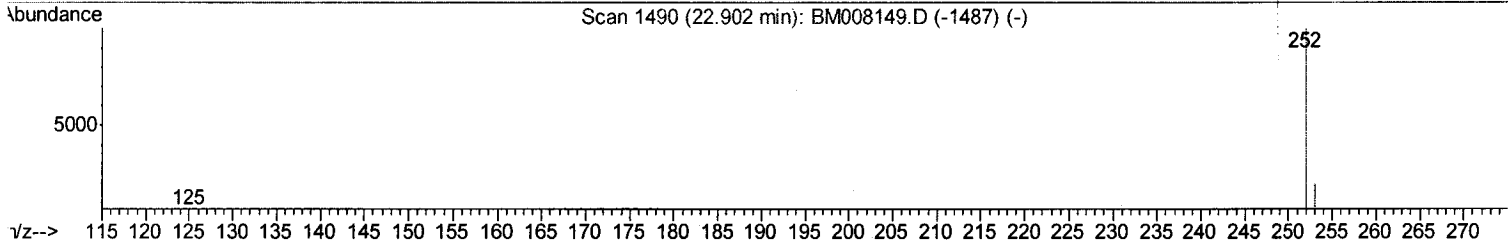
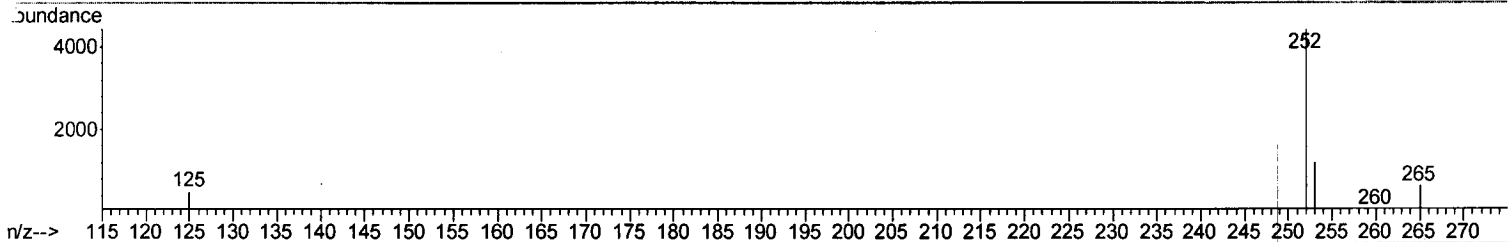
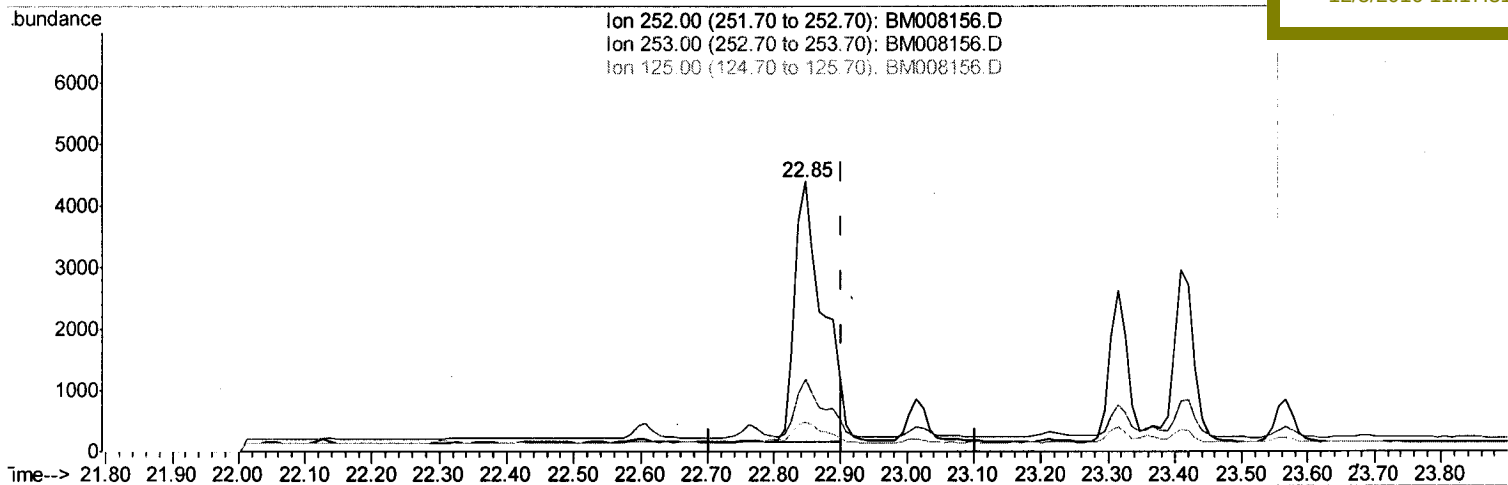
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Manual Integrations
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(22) Benzo(k)fluoranthene

22.847min (-0.056) 1.89ng/ul

response 12387

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.88
125.00	17.10	11.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

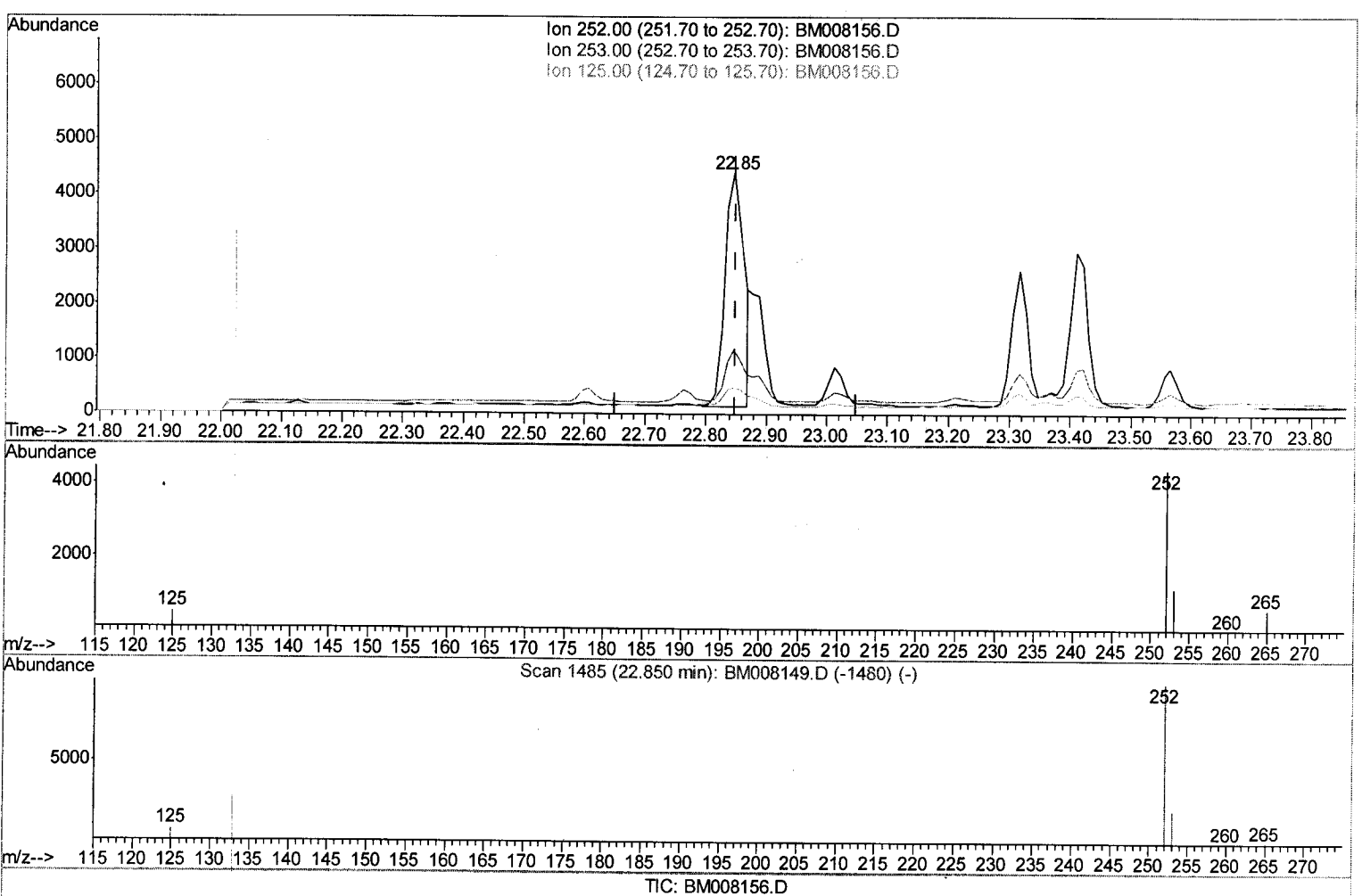
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(21) Benzo(b)fluoranthene

22.847min (-0.004) 1.46ng/ul m

response 9313

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.88
125.00	17.50	11.12
0.00	0.00	0.00

> 9.5
 12/08/16

Quantitation Report (Qedit)

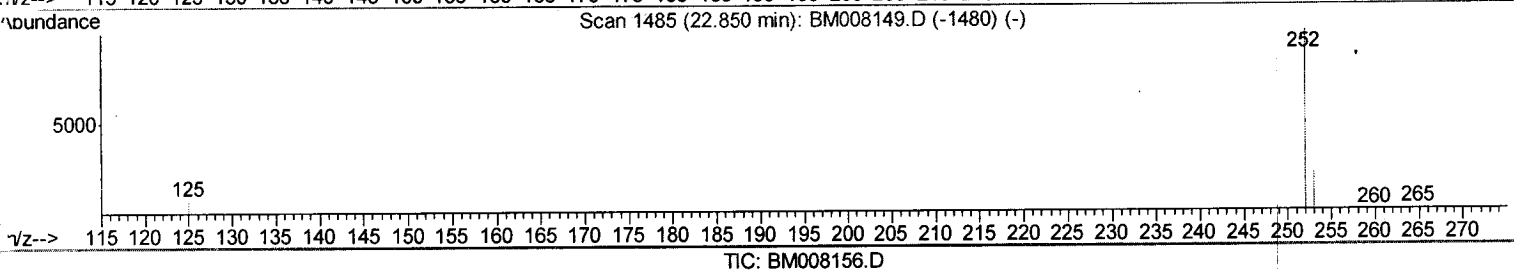
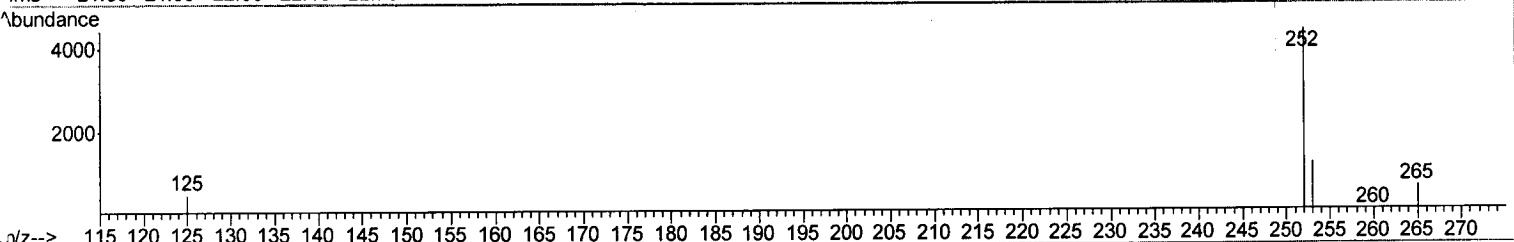
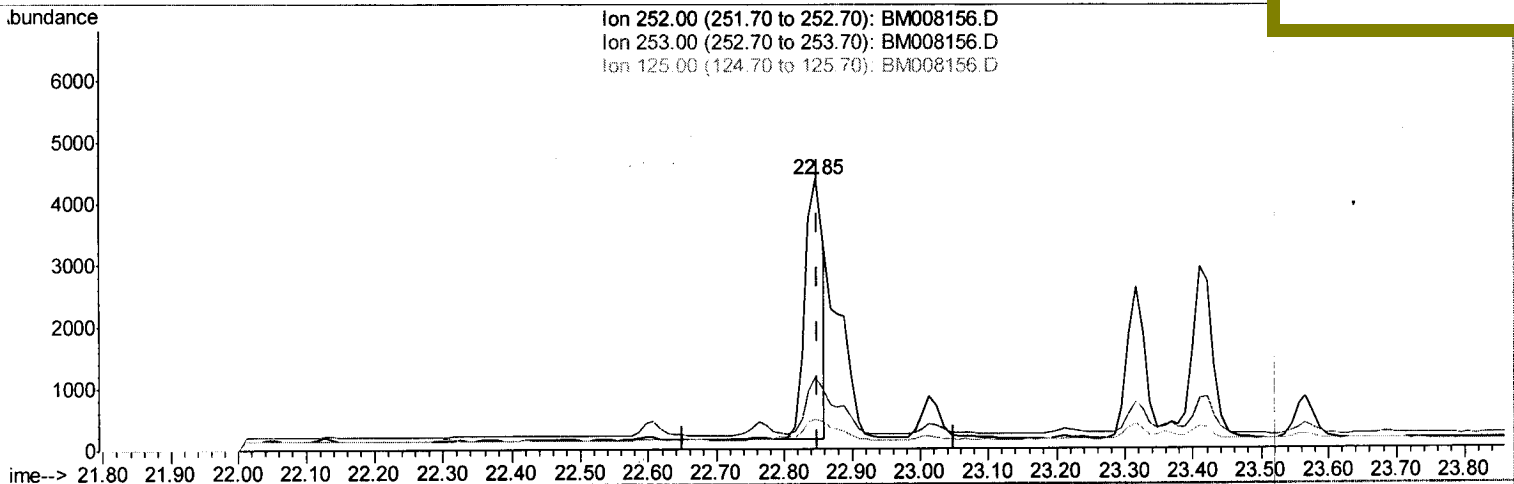
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 Sample : H5730-09
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 ALS Vial : 9 Sample Multiplier: 1

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(21) Benzo(b)fluoranthene
 22.847min (-0.004) 1.24ng/ul
 response 7885

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.88
125.00	17.50	11.12
0.00	0.00	0.00

Quantitation Report (Qedit)

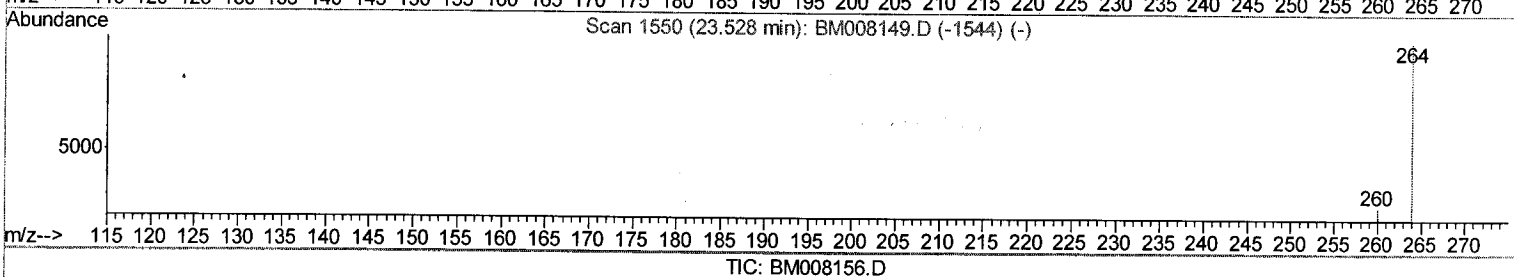
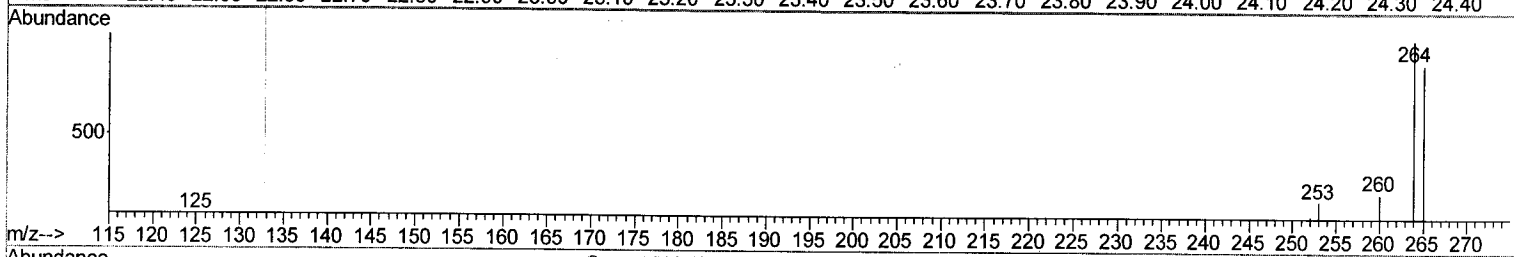
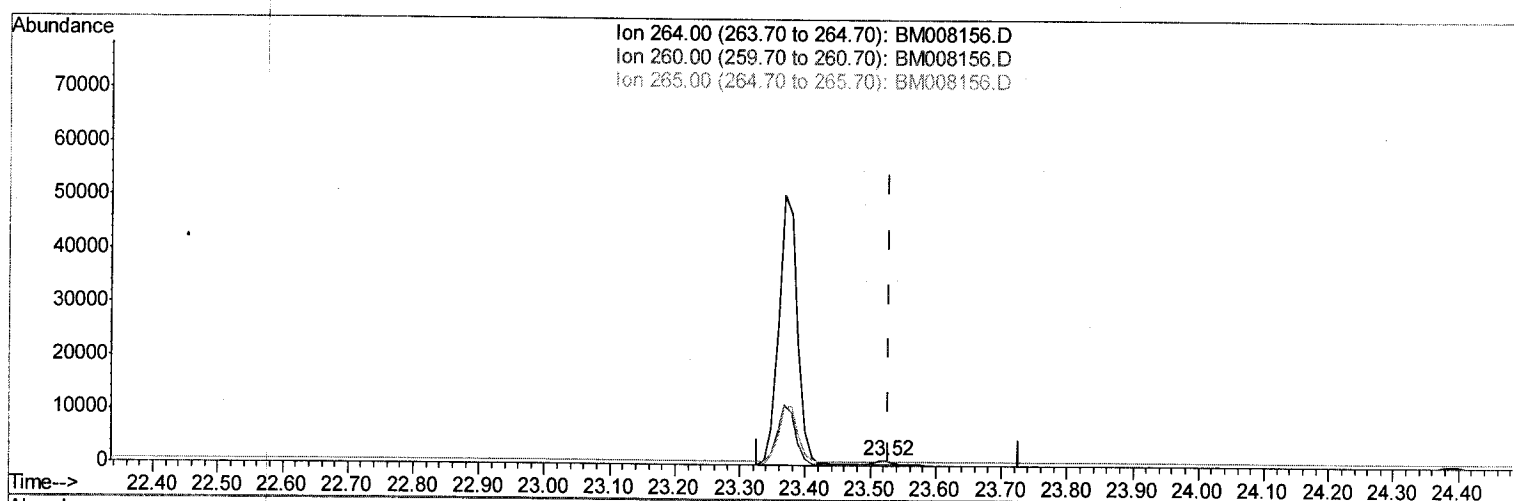
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TIC: BM008156.D

(20) Perylene-d12 (I)

23.524min (-0.004) 0.40ng/ul m

response 1593

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.68
265.00	103.50	88.53
0.00	0.00	0.00

5.1
 12/06/16

Quantitation Report (Qedit)

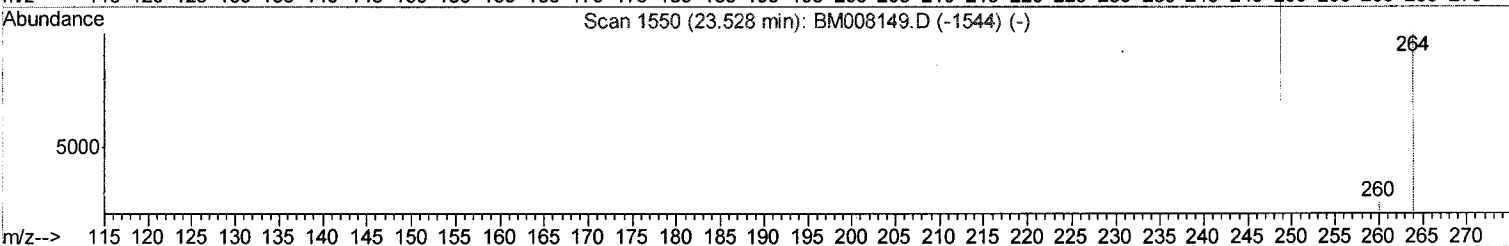
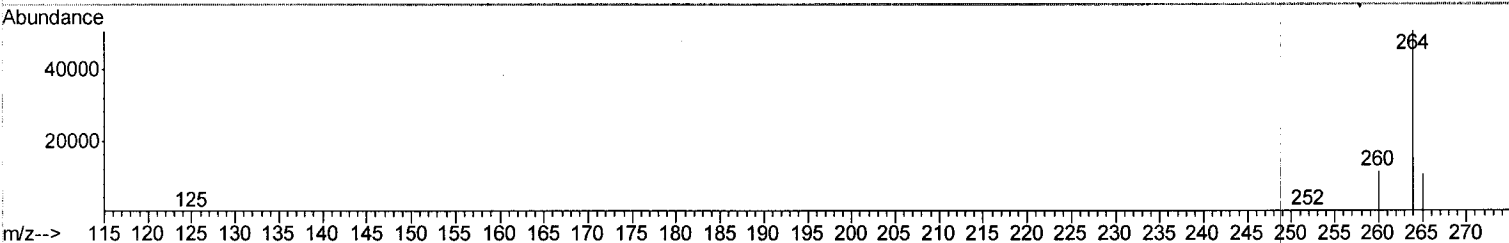
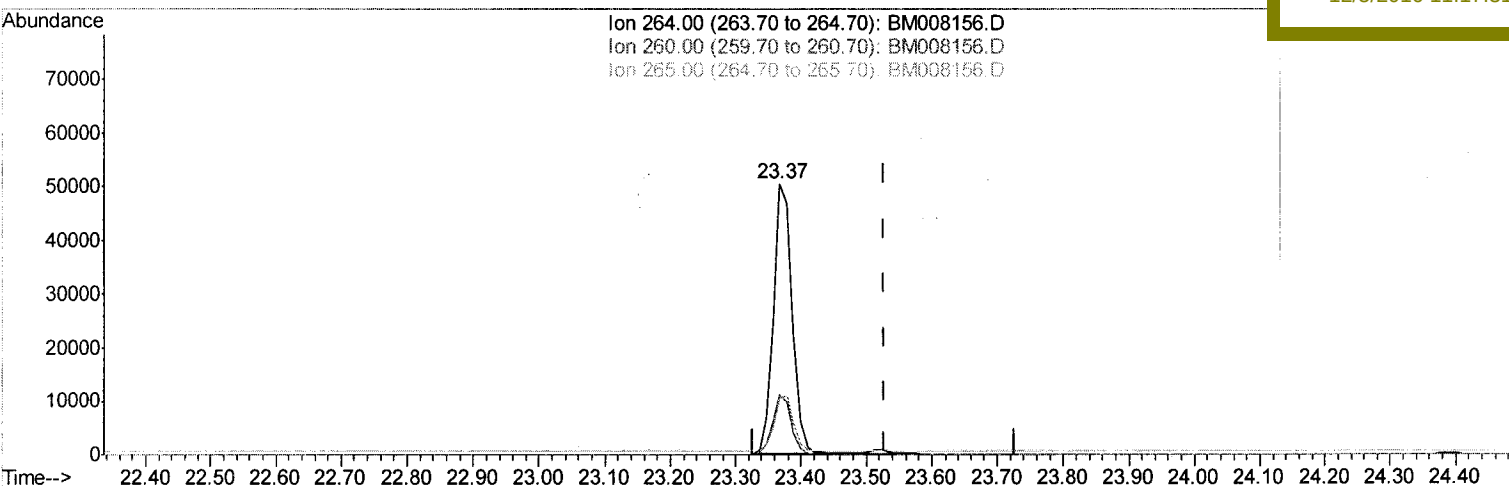
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TIC: BM008156.D

(20) Perylene-d12 (I)

23.368min (-0.160) 0.40ng/ul

response 100041

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.47#
265.00	103.50	21.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

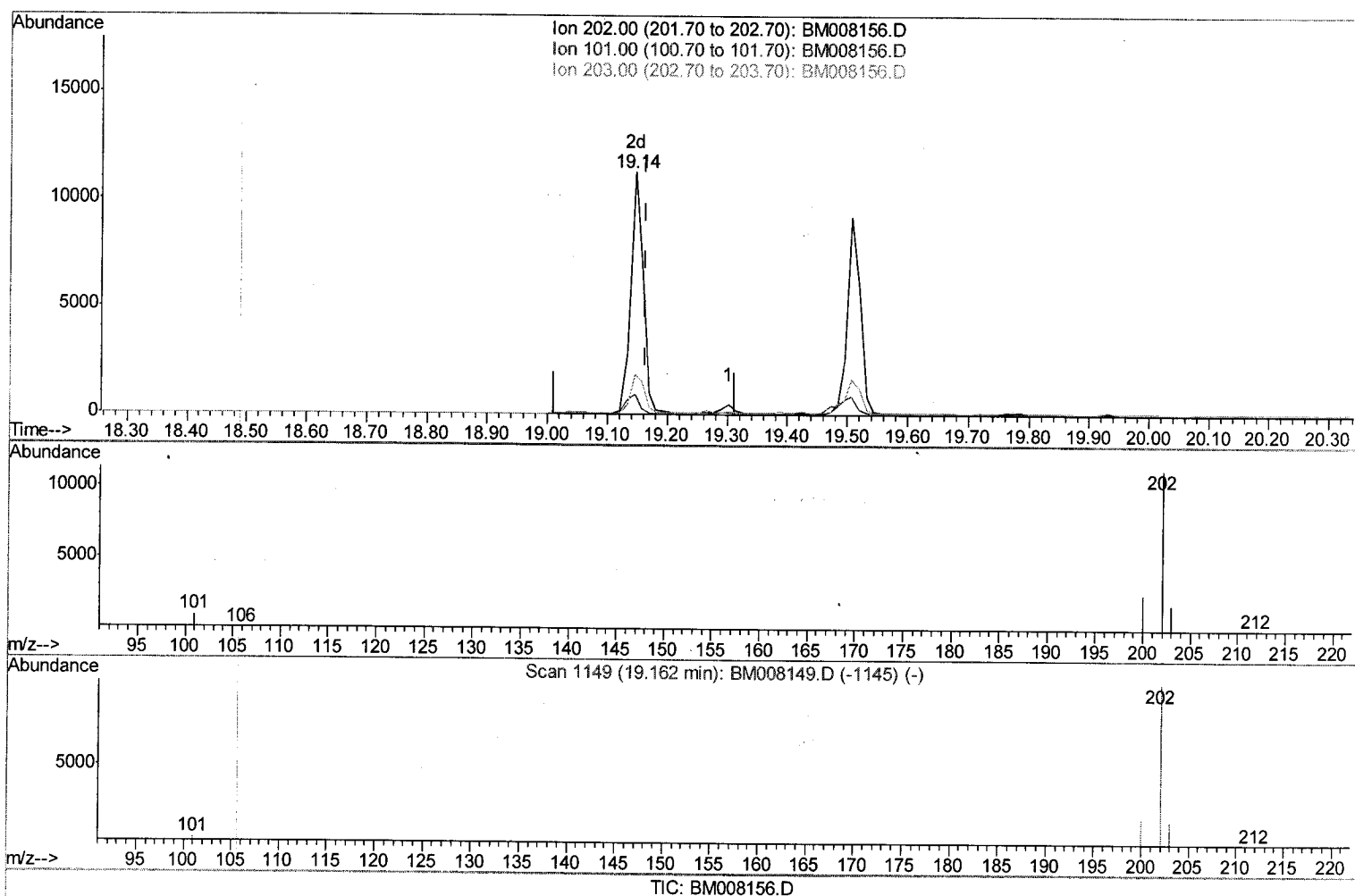
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 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM

Quant Time: Dec 02 17:39:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.145min (-0.017) 1.89ng/ul m

response 16444

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	8.04
203.00	19.50	16.56
0.00	0.00	0.00

> 9.9
 12/06/16

Quantitation Report (Qedit)

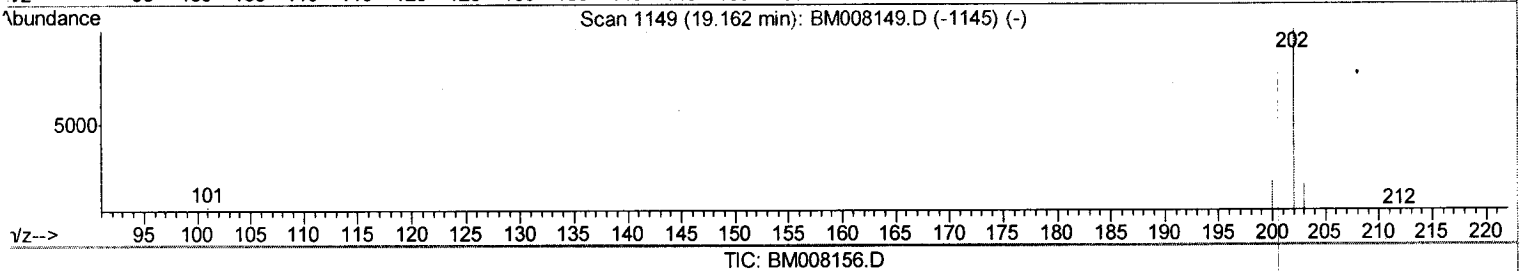
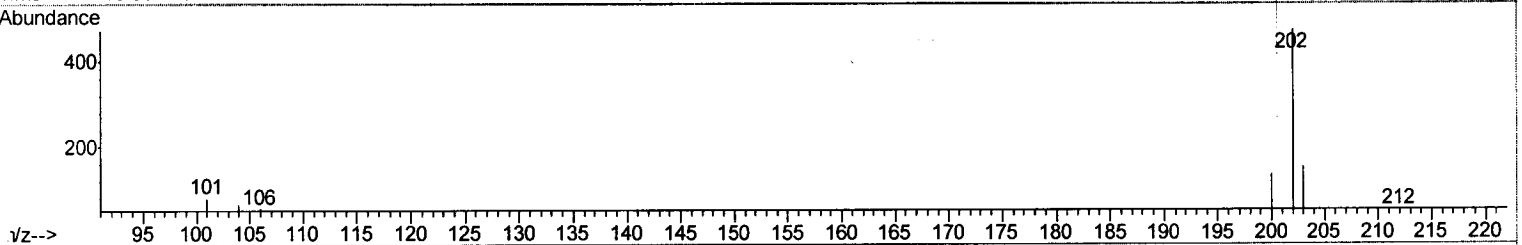
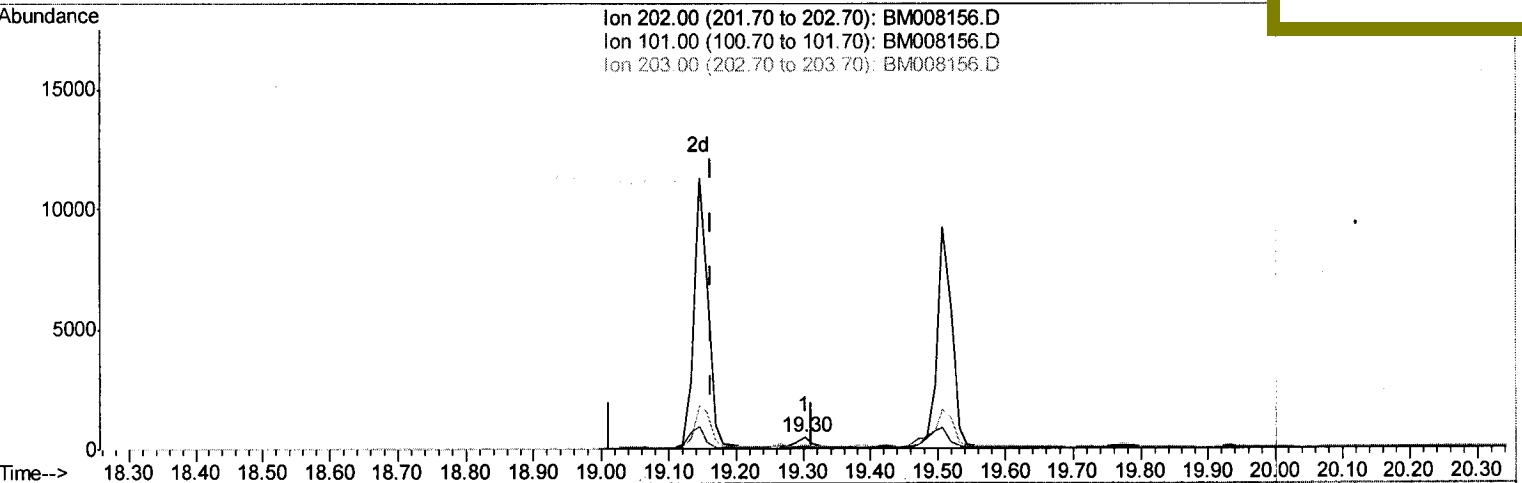
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008156.D
 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM

Quant Time: Dec 02 17:39:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



(15) Fluoranthene (C)
 19.302min (+0.140) 0.06ng/ul
 response 533

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	17.41
203.00	19.50	32.27
0.00	0.00	0.00

Quantitation Report (Qedit)

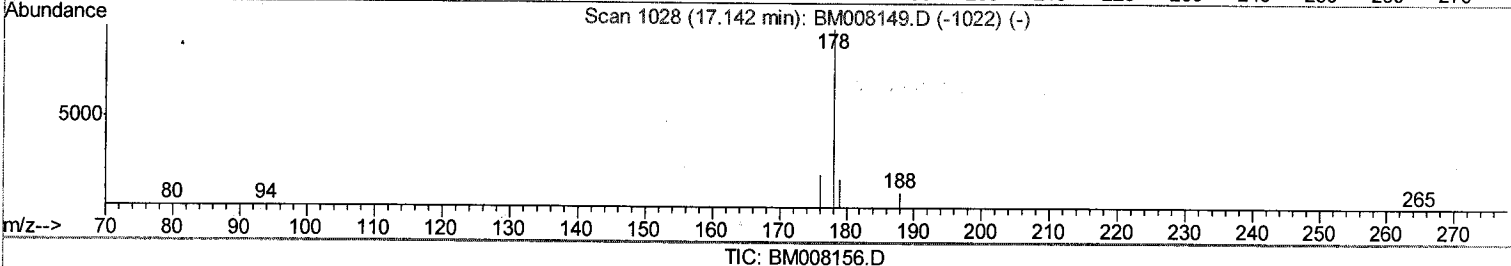
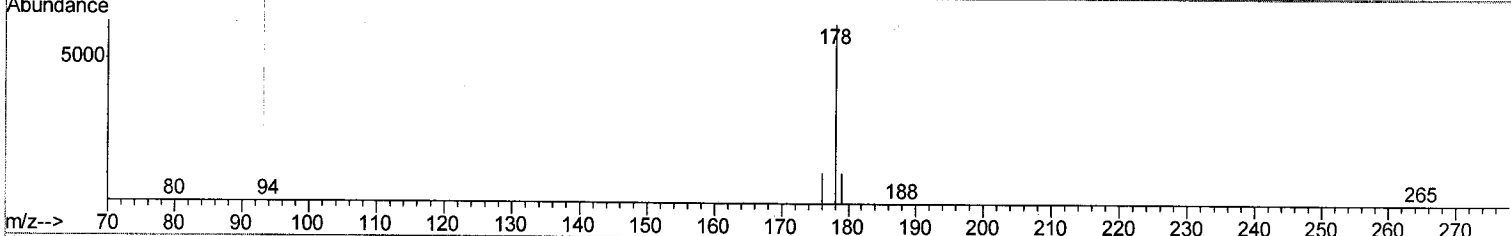
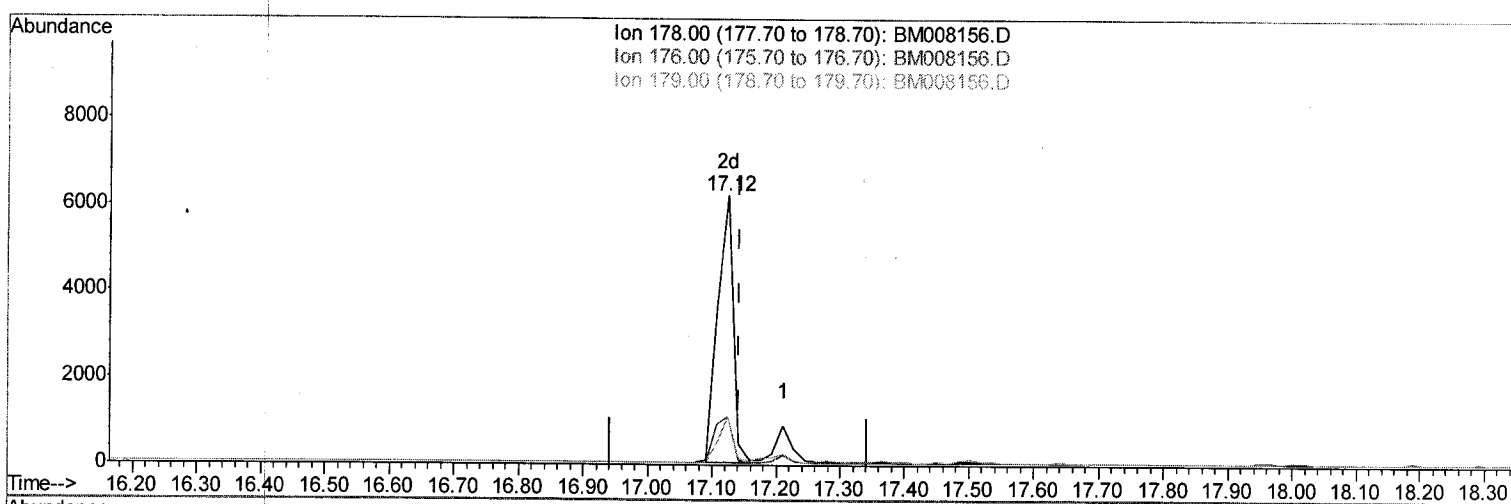
Data Path.: Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008156.D
 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM

Quant Time: Dec 02 17:39:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



(12) Phenanthrene

17.125min (-0.017) 1.59ng/ul m

response 10690

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	17.68#
179.00	17.00	17.65
0.00	0.00	0.00

75.7
 12/06/16

Quantitation Report (Qedit)

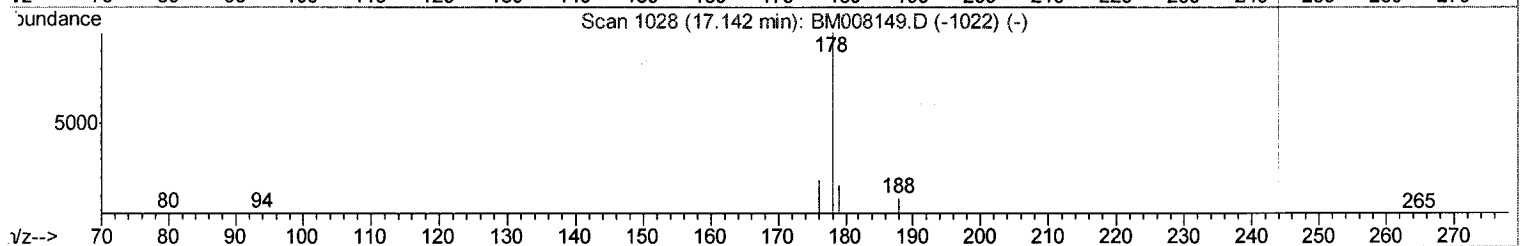
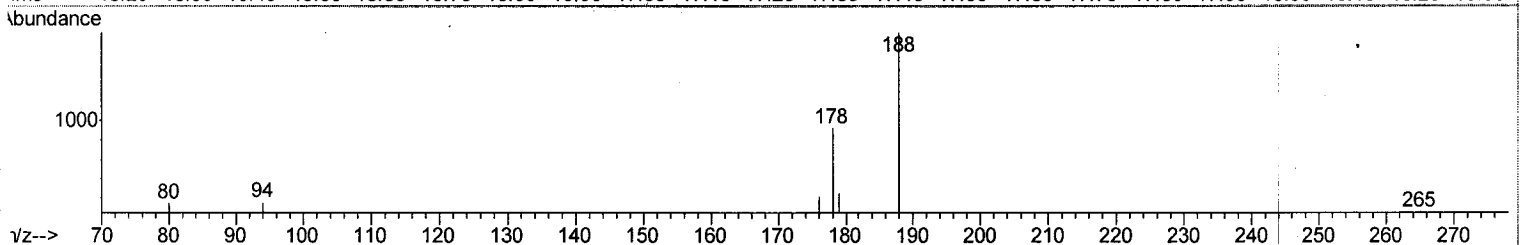
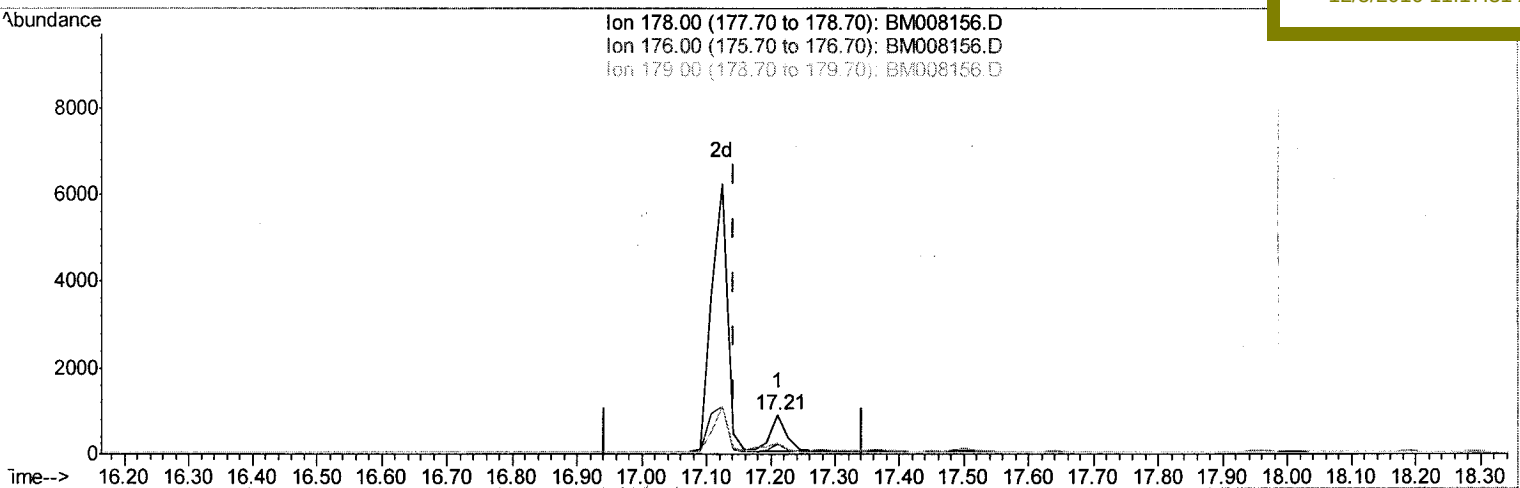
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008156.D
 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Quant Time: Dec 02 17:39:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM



TIC: BM008156.D

(12) Phenanthrene

17.210min (+0.068) 0.23ng/ul

response 1558

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	23.48
179.00	17.00	27.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

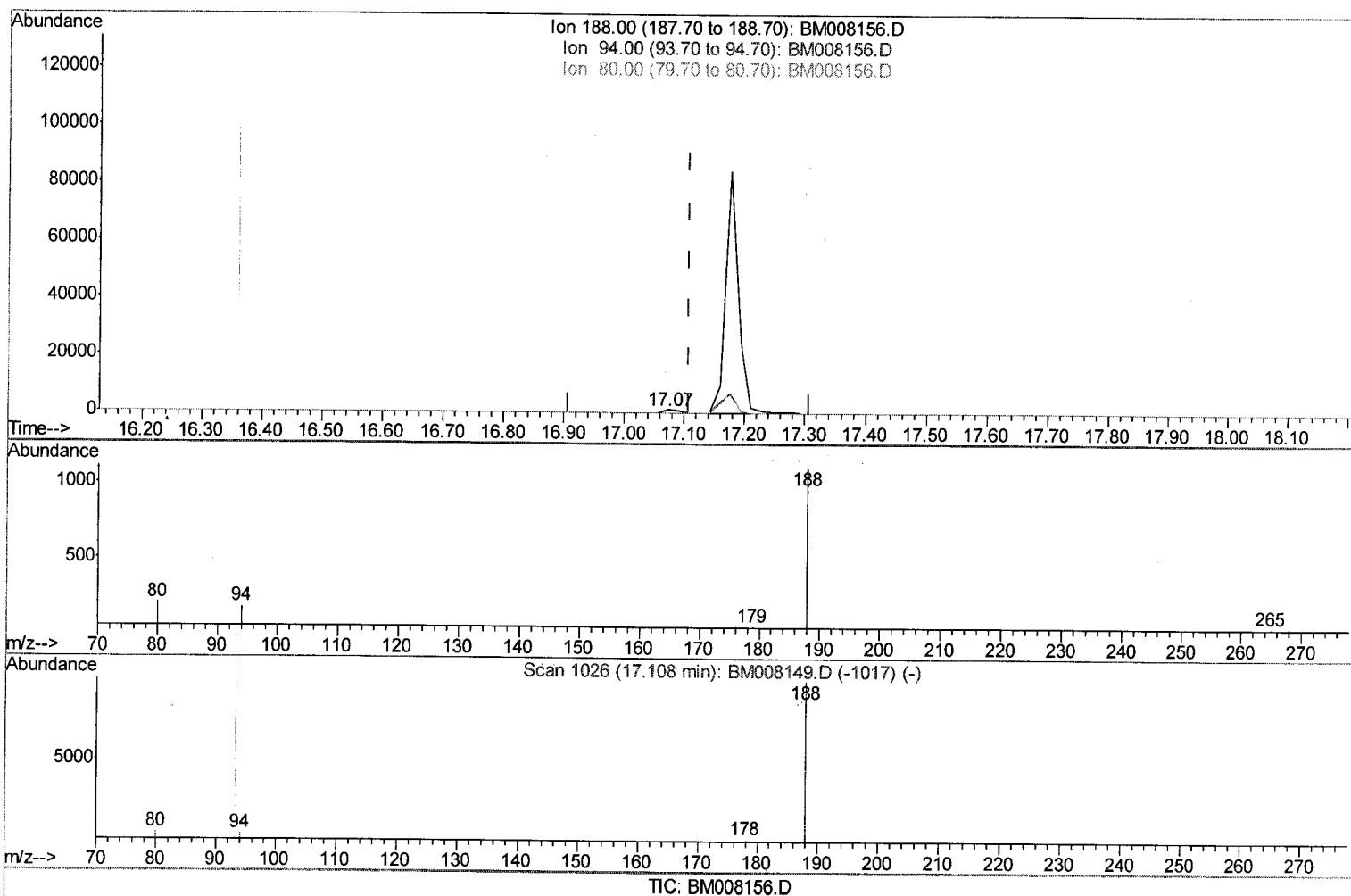
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008156.D
 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM

Quant Time: Dec 02 17:38:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.073min (-0.035) 0.40ng/ul m

response 2165

Ion Exp% Act%

188.00 100 100

94.00 11.00 15.39#

80.00 11.80 17.73#

0.00 0.00 0.00

> 5.7
 12/06/16

Quantitation Report (Qedit)

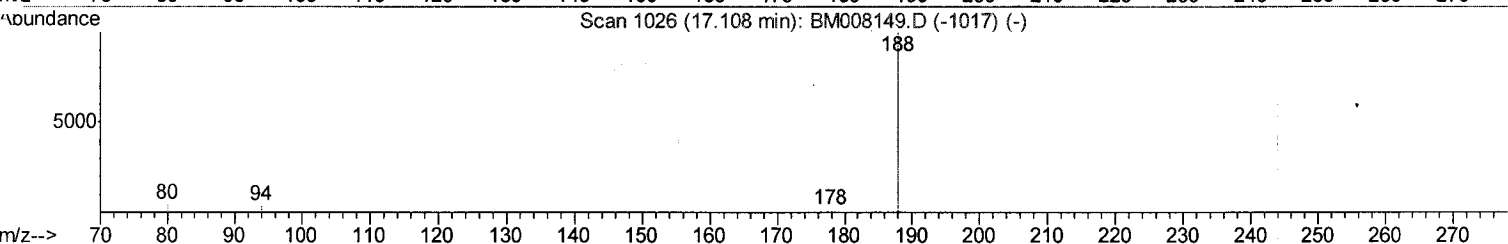
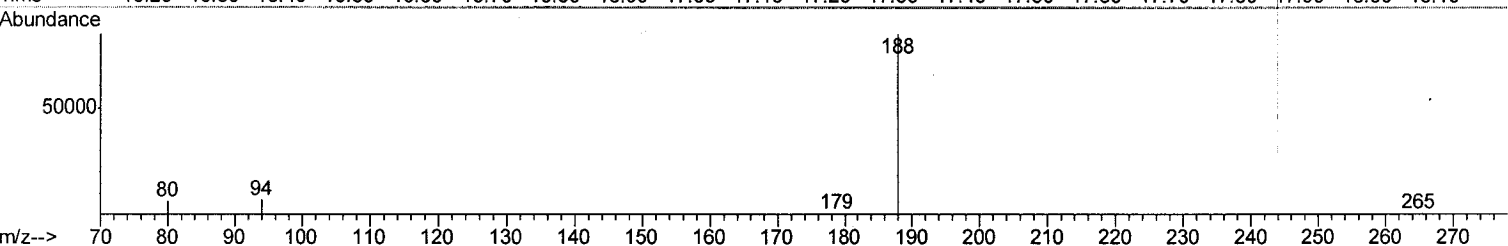
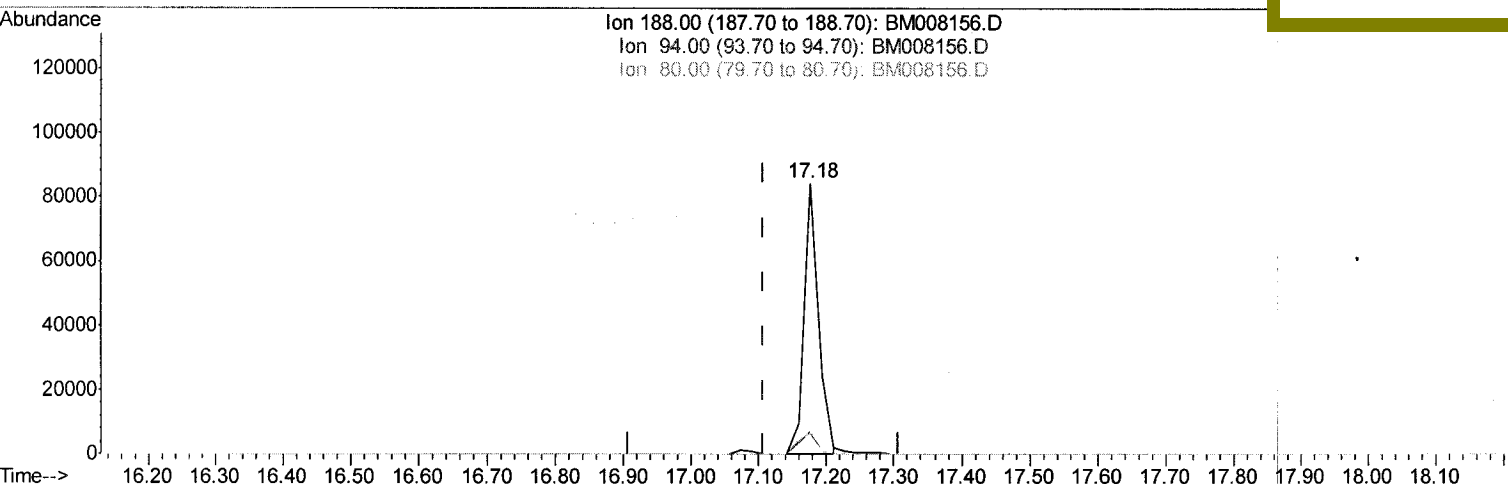
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008156.D
 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM

Quant Time: Dec 02 17:38:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration



TIC: BM008156.D

(10) Phenanthrene-d10 (I)

17.176min (+0.068) 0.40ng/ul

response 123096

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.10#
80.00	11.80	7.52#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120216\
 Data File : BM008156.D
 Acq On : 02 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H5730-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WH6

Manual Integrations
 APPROVED

sohil
 12/5/2016 11:17:31 AM

Quant Time: Dec 02 17:47:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 15:28:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	610	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.48	136	2115	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	1249	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2165m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.28	240	1884	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	1593m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Methylnaphthalene-d10	12.09	152	812	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1448	0.24	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.52	128	267	0.05	ng/ul#	51
5) 2-Methylnaphthalene	12.16	142	131	0.03	ng/ul	90
7) Acenaphthylene	14.04	152	1236	0.22	ng/ul#	92
8) Acenaphthene	14.38	153	292	0.07	ng/ul#	87
9) Fluorene	15.39	166	405	0.08	ng/ul#	92
12) Phenanthrene	17.12	178	10690m	1.59	ng/ul	
13) Anthracene	17.21	178	1665	0.26	ng/ul#	90
15) Fluoranthene	19.14	202	16444m	1.89	ng/ul	
17) Pyrene	19.51	202	13808	2.11	ng/ul	98
18) Benzo(a)anthracene	21.26	228	5131	0.89	ng/ul	97
19) Chrysene	21.31	228	6463	0.90	ng/ul	96
21) Benzo(b)fluoranthene	22.85	252	9313m	1.46	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	3521m	0.54	ng/ul	
23) Benzo(a)pyrene	23.41	252	5807m	0.98	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.77	276	5019m	0.68	ng/ul	
25) Dibenzo(a,h)anthracene	25.77	278	1343m	0.23	ng/ul	
26) Benzo(g,h,i)perylene	26.45	276	3666m	0.56	ng/ul	

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