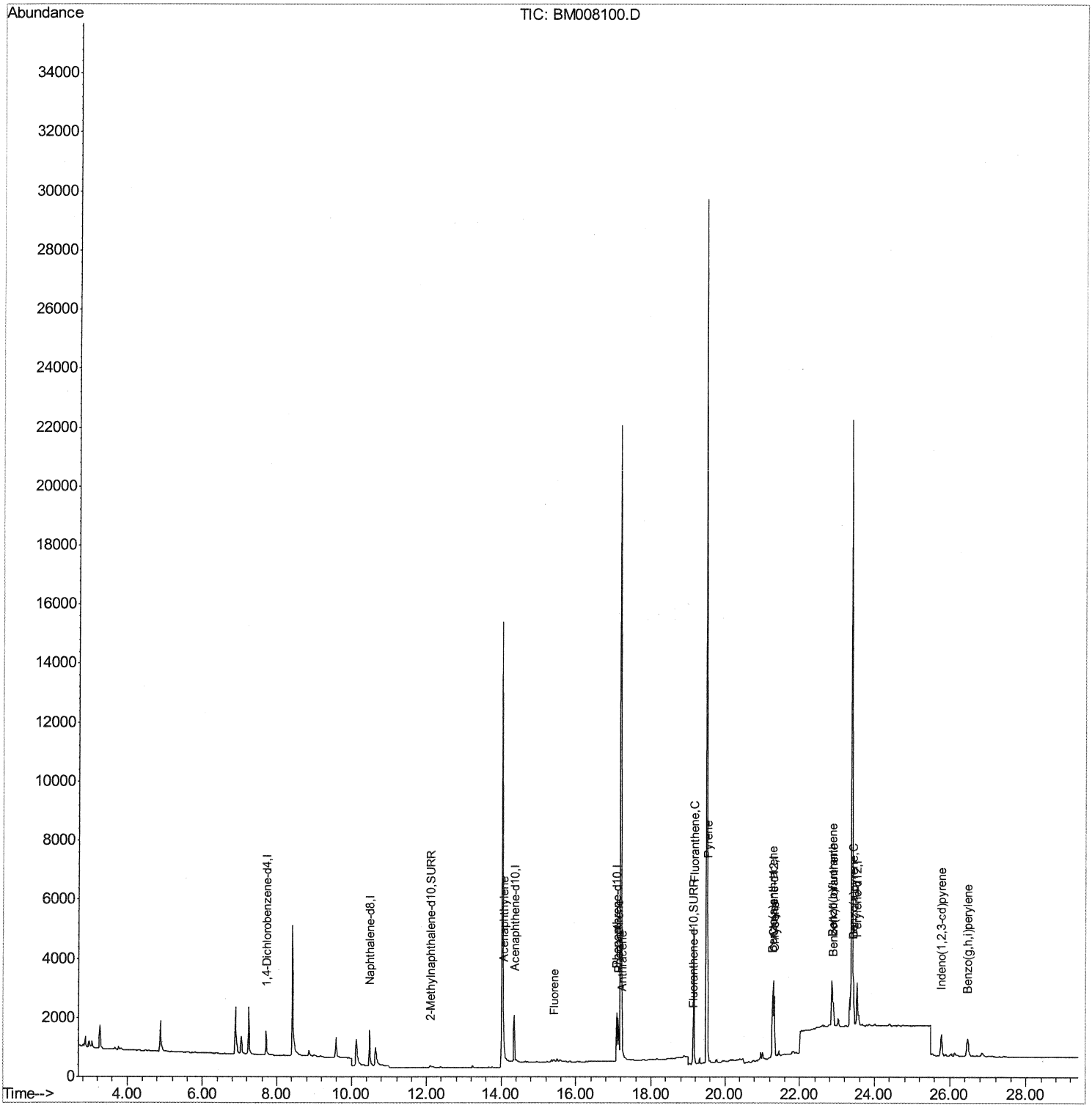
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 29 10:34:00 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 29 00:11:14 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM

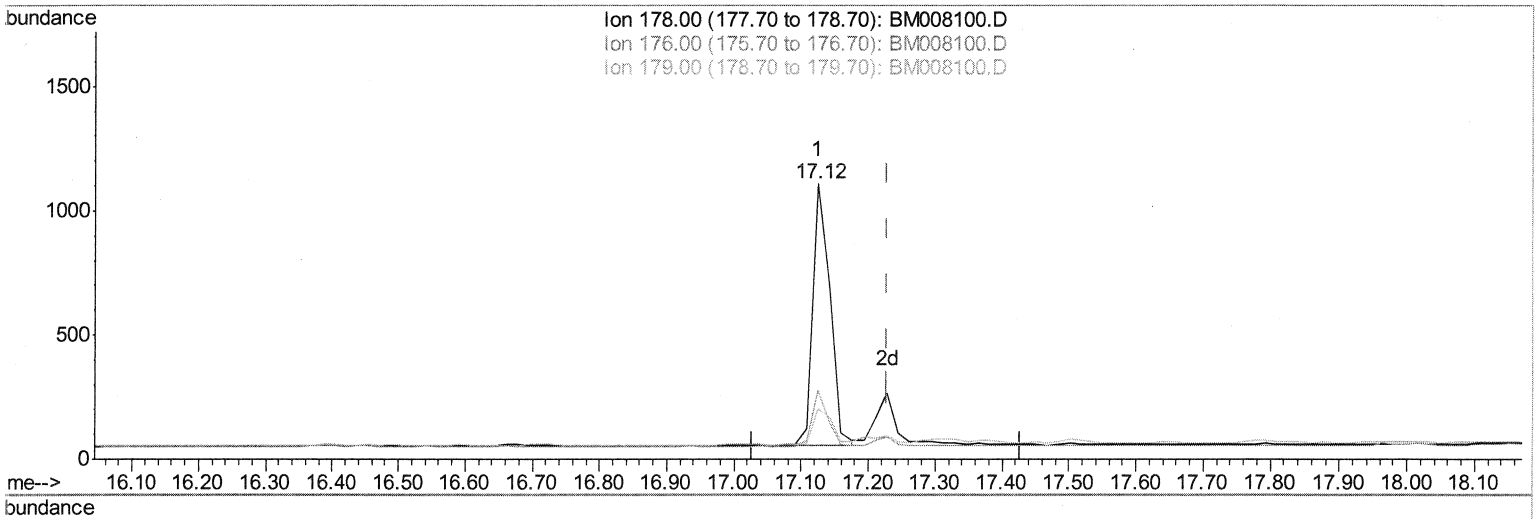


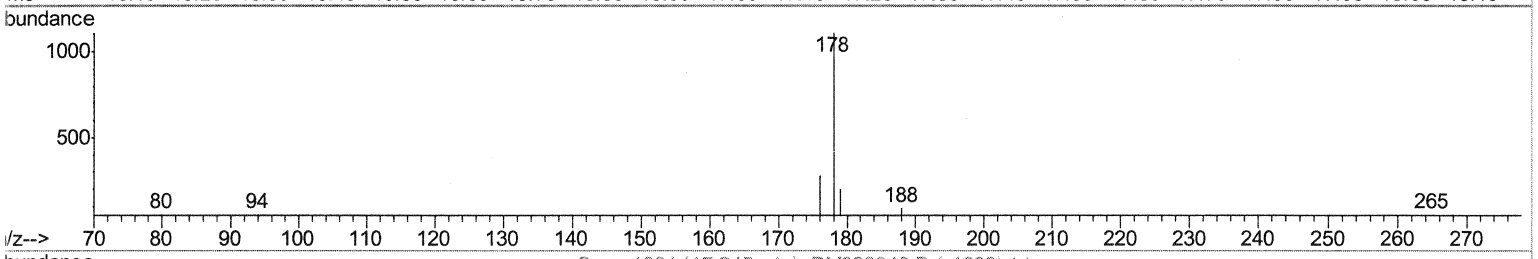
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

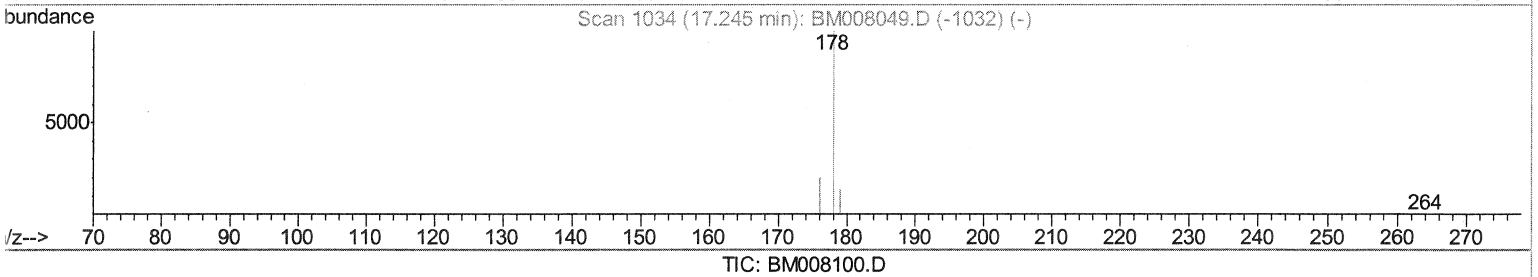
Quant Time: Nov 29 10:30:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:11:14 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM







TIC: BM008100.D

(13) Anthracene

17.125min (-0.103) 0.30ng/ul

response 1897

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	25.05
179.00	18.40	18.29
0.00	0.00	0.00

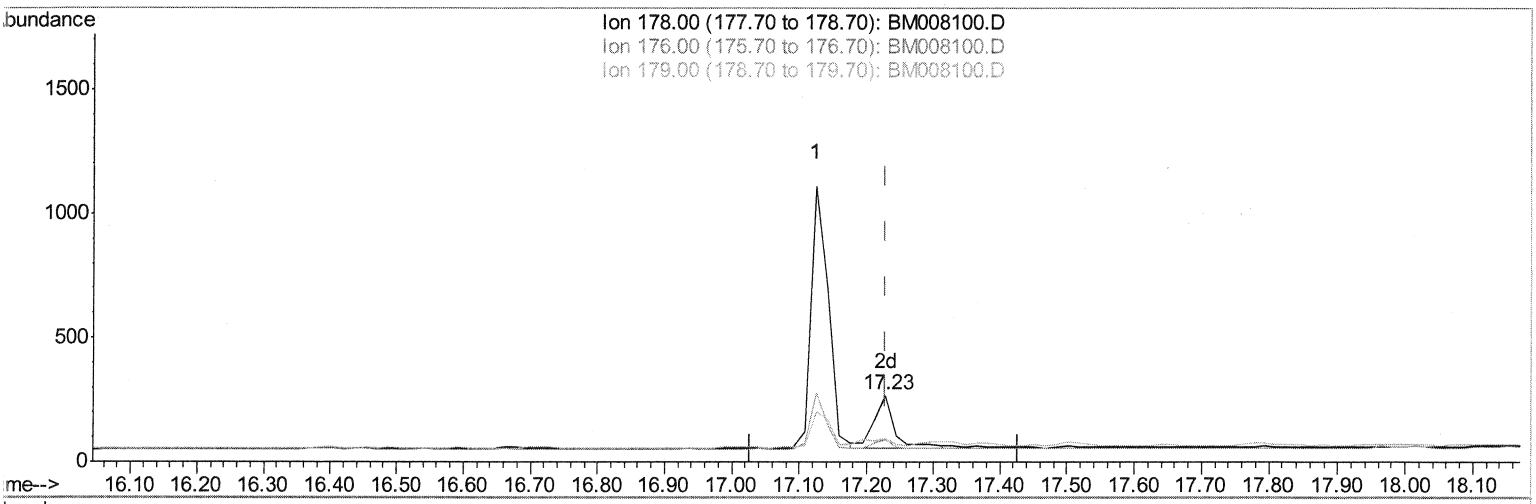
Quantitation Report (Qedit)

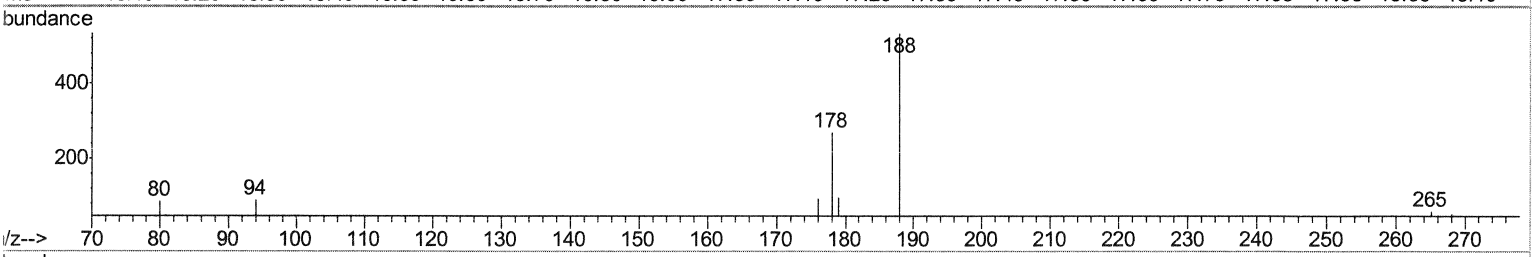
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

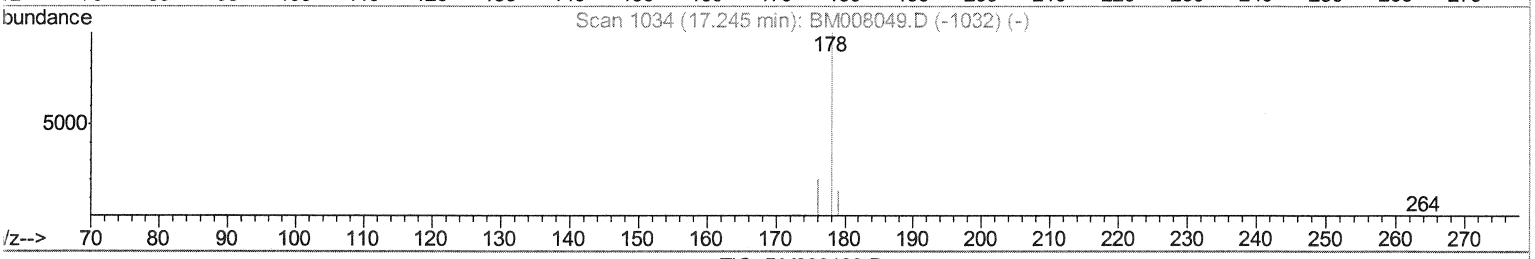
Quant Time: Nov 29 10:30:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:11:14 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM







TIC: BM008100.D

(13) Anthracene

17.228min (+0.000) 0.08ng/ul m SJ 11/29/16

response 477

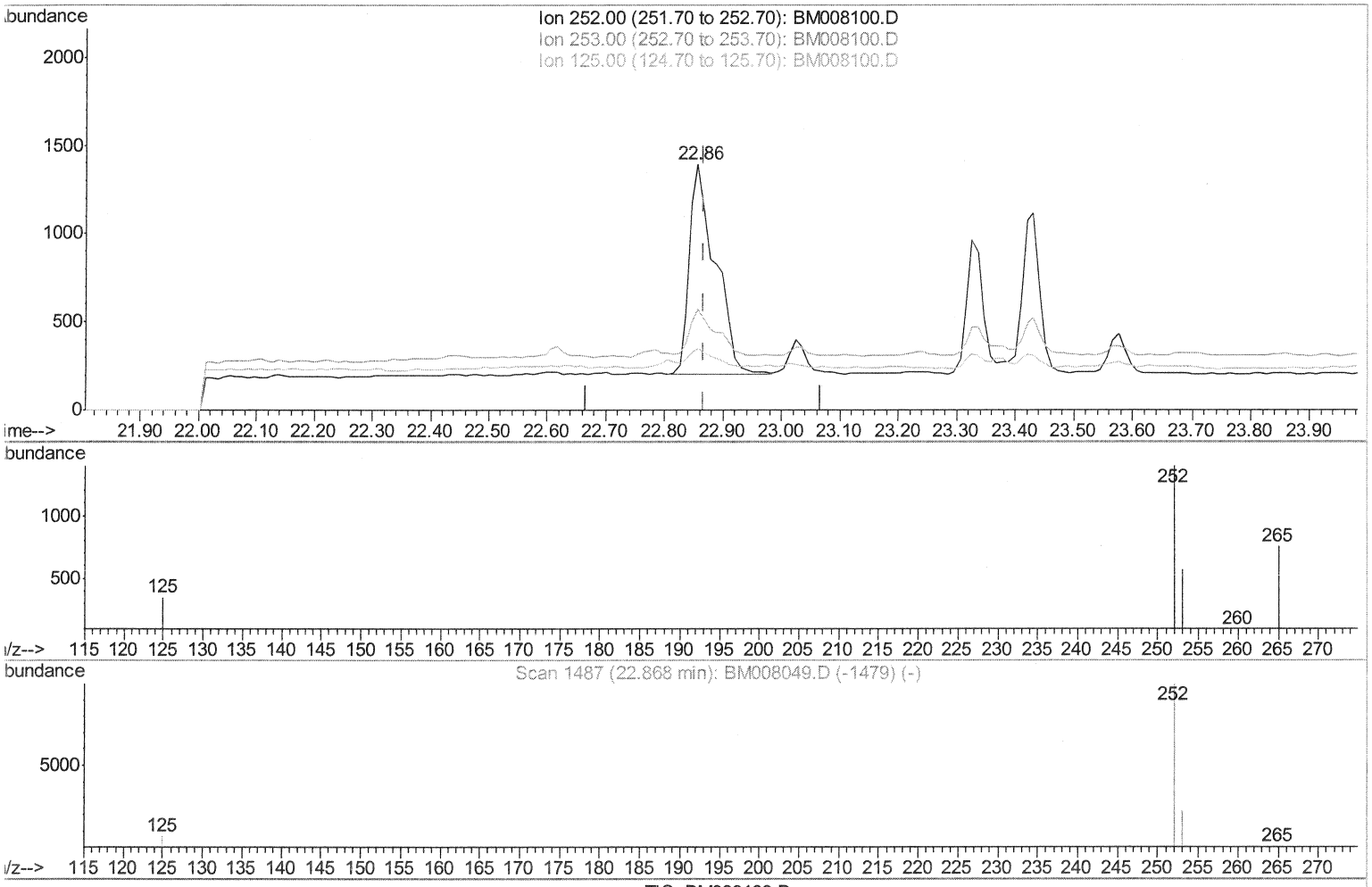
Ion	Exp%	Act%
178.00	100	100
176.00	22.60	34.57#
179.00	18.40	36.06#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 29 10:30:41 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 29 00:11:14 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM



(21) Benzo(b)fluoranthene

22.857min (-0.010) 0.41ng/ul

response 3624

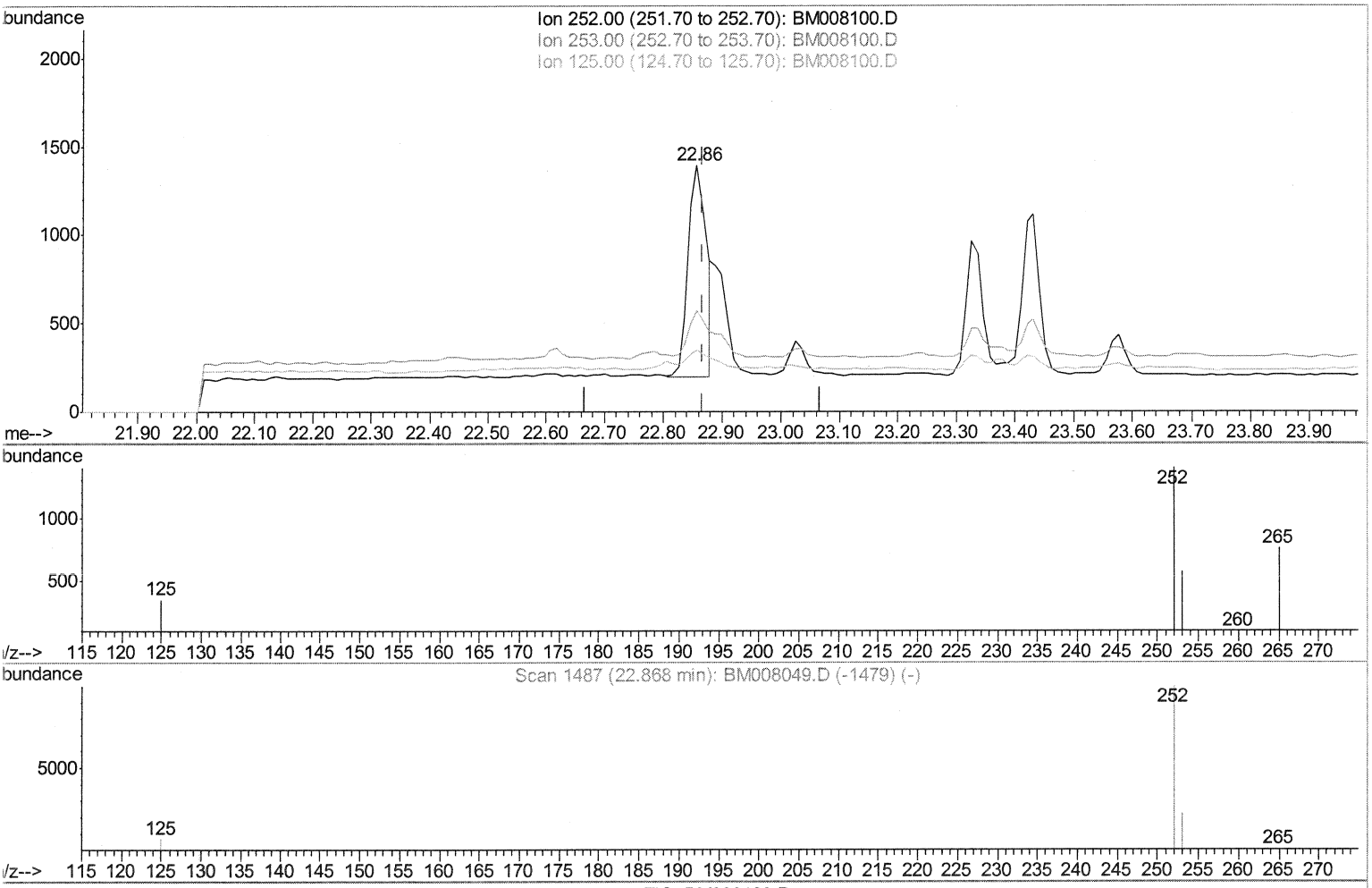
Ion	Exp%	Act%
252.00	100	100
253.00	32.10	40.76
125.00	17.50	24.86
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 29 10:30:41 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 29 00:11:14 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM



TIC: BM008100.D

(21) Benzo(b)fluoranthene

22.857min (-0.010) 0.29ng/ul m SJ 11/29/16

response 2603

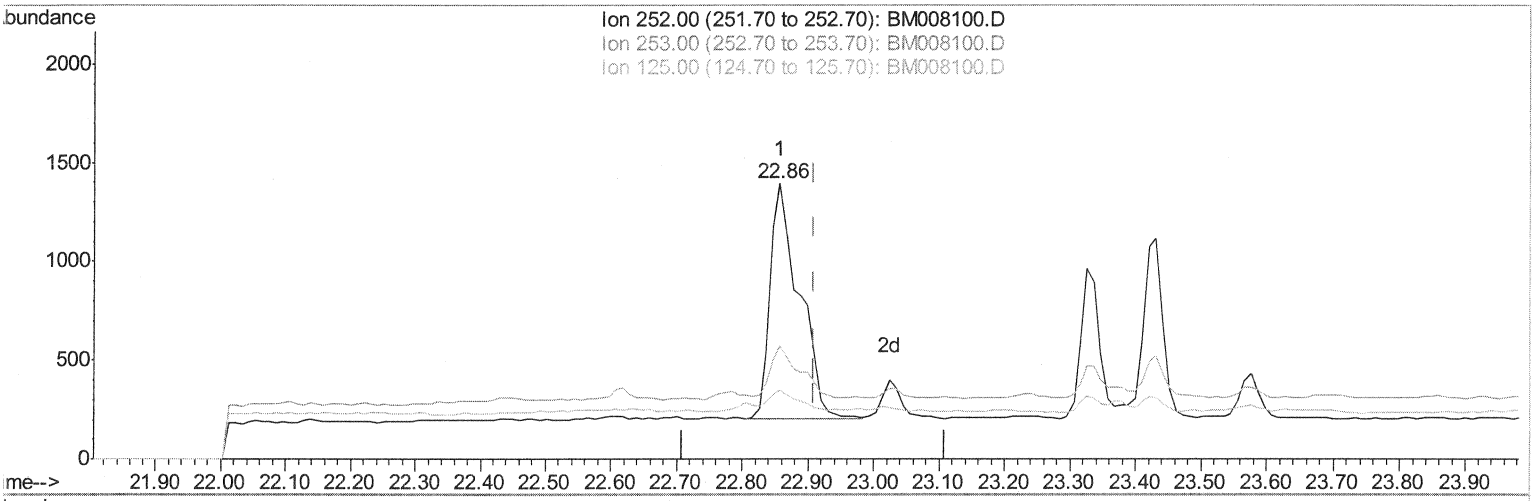
Ion	Exp%	Act%
252.00	100	100
253.00	32.10	40.76
125.00	17.50	24.86
0.00	0.00	0.00

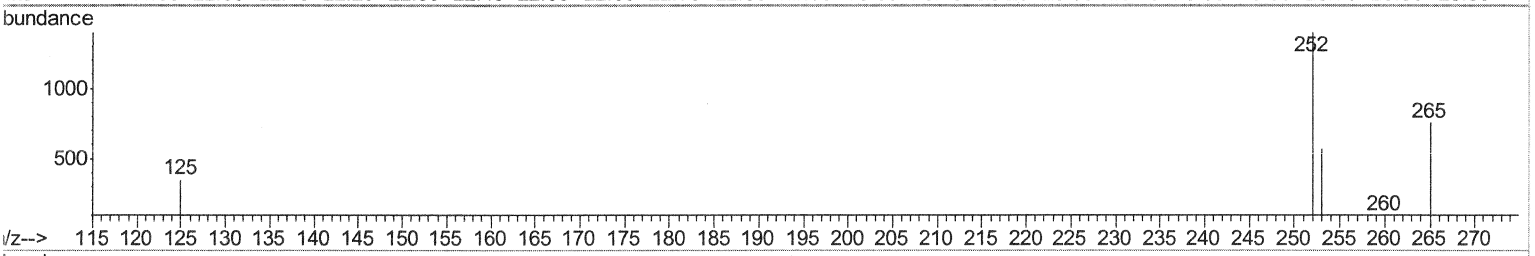
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

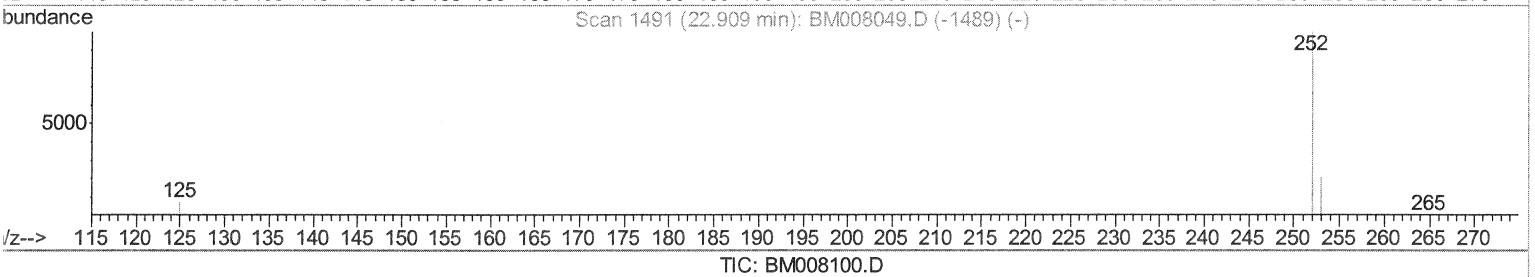
Quant Time: Nov 29 10:30:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:11:14 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM







TIC: BM008100.D

(22) Benzo(k)fluoranthene

22.857min (-0.052) 0.39ng/ul

response 3624

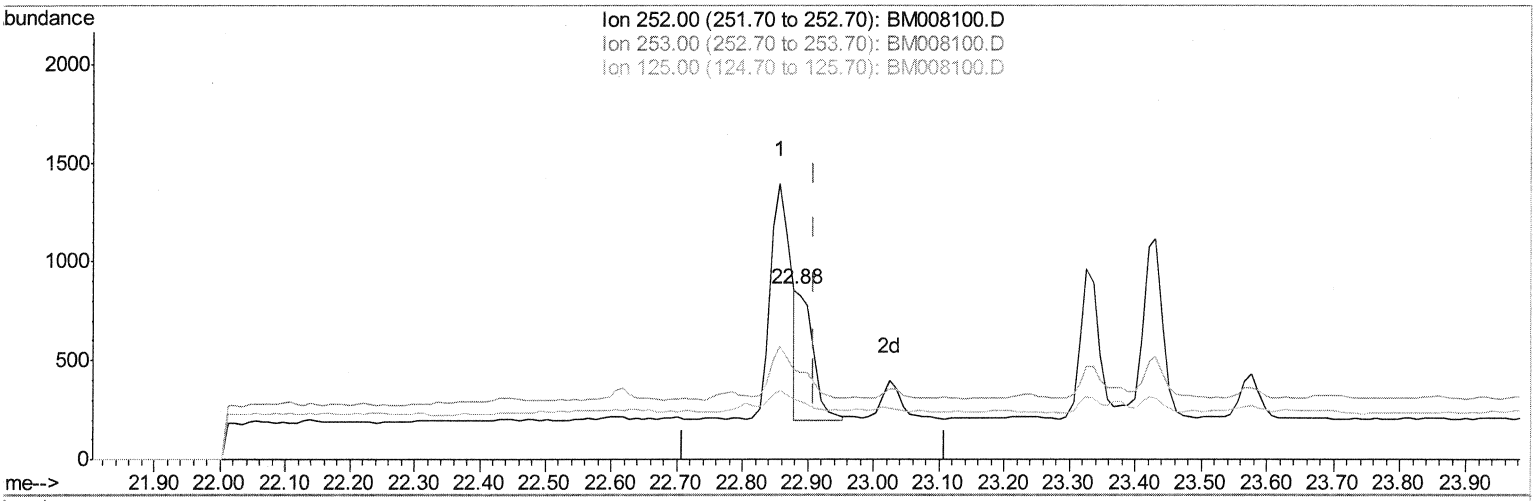
Ion	Exp%	Act%
252.00	100	100
253.00	30.60	40.76#
125.00	17.10	24.86#
0.00	0.00	0.00

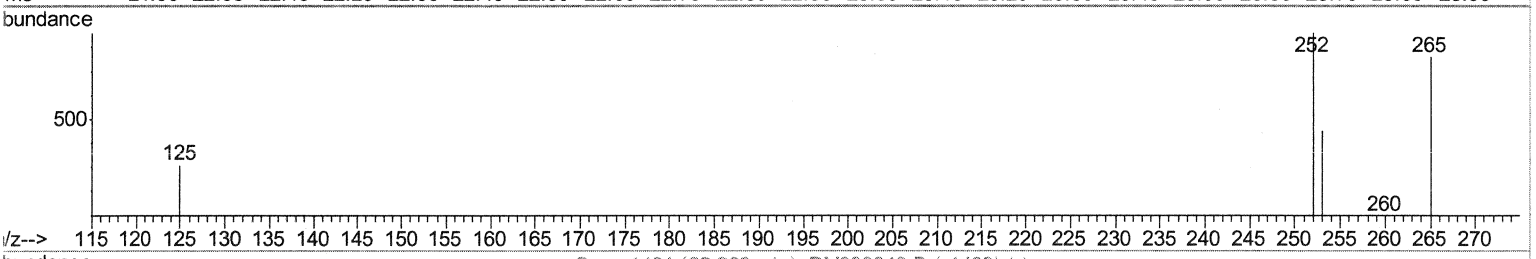
Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

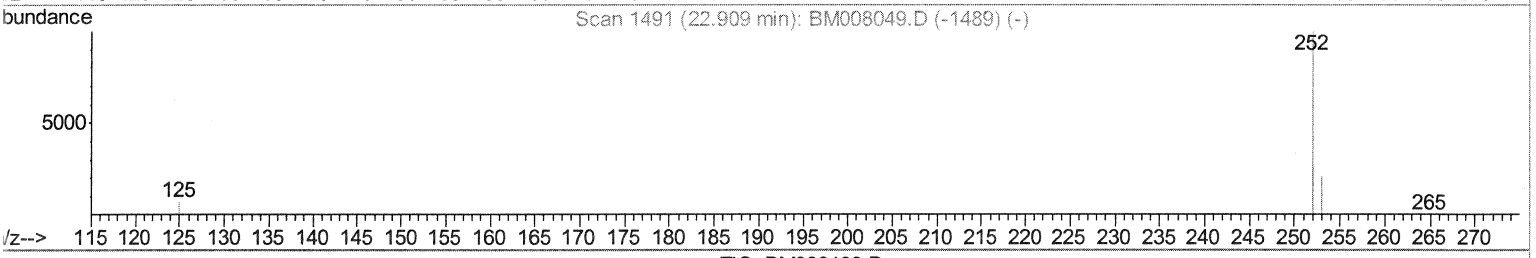
Quant Time: Nov 29 10:30:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:11:14 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM







TIC: BM008100.D

(22) Benzo(k)fluoranthene

22.878min (-0.031) 0.12ng/ul m SJ 11/29/16

response 1074

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	52.97#
125.00	17.10	35.74#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM112816\
Data File : BM008100.D
Acq On : 29 Nov 2016 09:51
Operator : UM/SJ
Sample : H5701-23DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 29 10:34:00 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 29 00:11:14 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : A4WG0DL

Manual Integrations APPROVED
sohil
11/29/2016 4:34:07 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	545	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	1875	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1118	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2159	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2190	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	2234	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	186	0.07	ng/ul	0.01
14) Fluoranthene-d10	19.13	212	404	0.07	ng/ul	-0.01
Target Compounds						Qvalue
7) Acenaphthylene	14.06	152	428	0.08	ng/ul#	73
9) Fluorene	15.41	166	100	0.02	ng/ul#	75
12) Phenanthrene	17.12	178	1910	0.28	ng/ul	96
13) Anthracene	17.23	178	477m	0.08	ng/ul	
15) Fluoranthene	19.16	202	4783	0.55	ng/ul	97
17) Pyrene	19.52	202	4513	0.59	ng/ul	100
18) Benzo(a)anthracene	21.27	228	1829	0.27	ng/ul#	85
19) Chrysene	21.32	228	2130	0.25	ng/ul#	89
21) Benzo(b)fluoranthene	22.86	252	2603m	0.29	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	1074m	0.12	ng/ul	
23) Benzo(a)pyrene	23.43	252	1818	0.22	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.78	276	1340	0.13	ng/ul#	91
26) Benzo(g,h,i)perylene	26.47	276	1411	0.15	ng/ul#	82

SJ 11/29/16

SJ 11/29/16

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