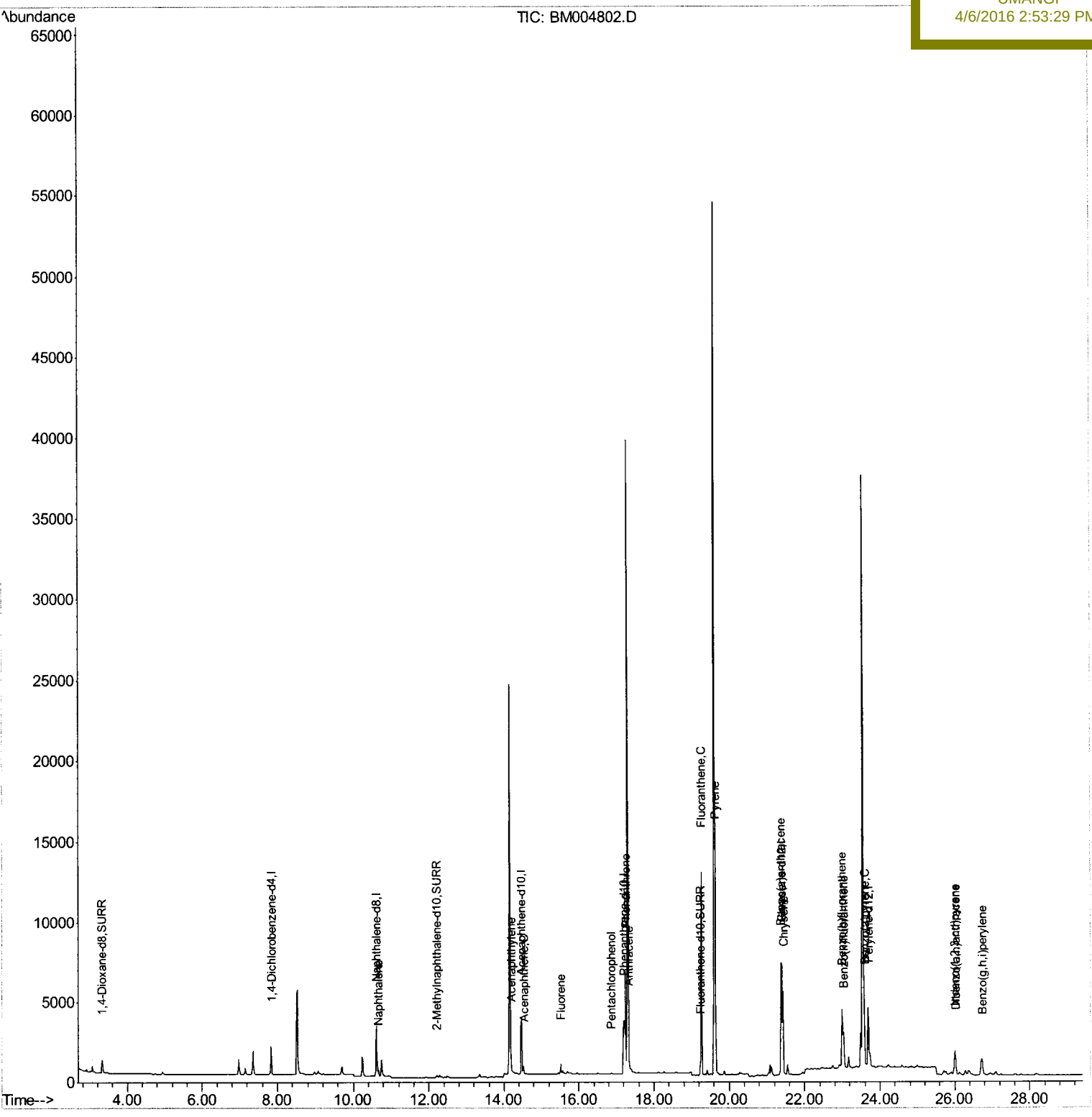
)ata Path : Z:\HPCHEM1\BNA M\Data\BM032816\
)ata File : BM004802.D
Acq On : 28 Mar 2016 12:18
)perator : UM/SJ
Sample : H1909-09DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

)uant Time: Apr 05 18:54:49 2016
)uant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
)uant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
)Last Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4T45DL

Manual Integrations APPROVED
UMANGI
4/6/2016 2:53:29 PM



Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
Data File : BM004802.D
Acq On : 28 Mar 2016 12:18
Operator : UM/SJ
Sample : H1909-09DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 18:51:02 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4T45DL

Manual Integrations APPROVED
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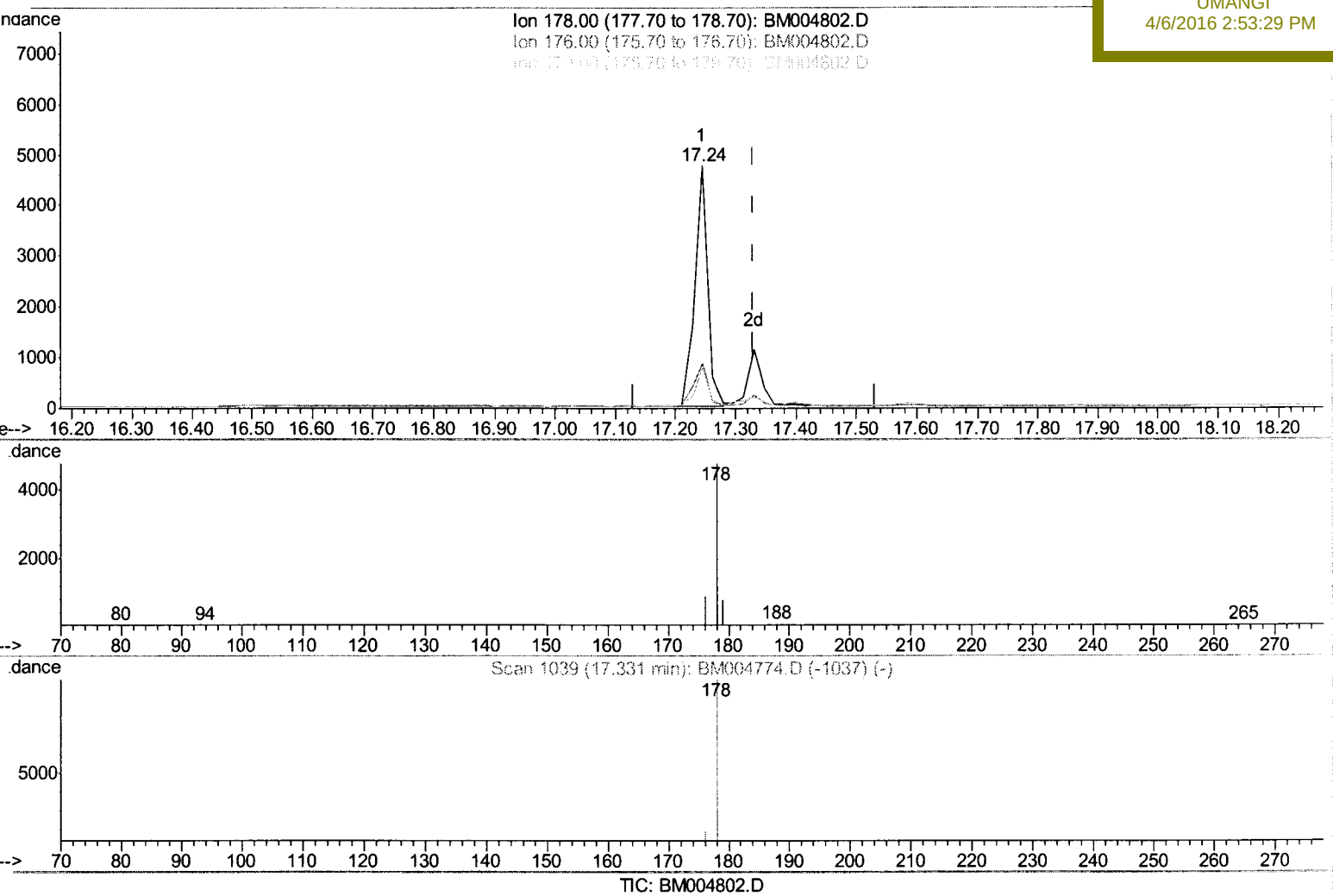

(15) Anthracene

17.245min (-0.086) 0.47ng/ul

response 7129

Ion	Exp%	Act%
178.00	100	100
176.00	17.50	18.88
179.00	16.10	16.94
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
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Misc :
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Quant Time: Apr 05 18:51:02 2016
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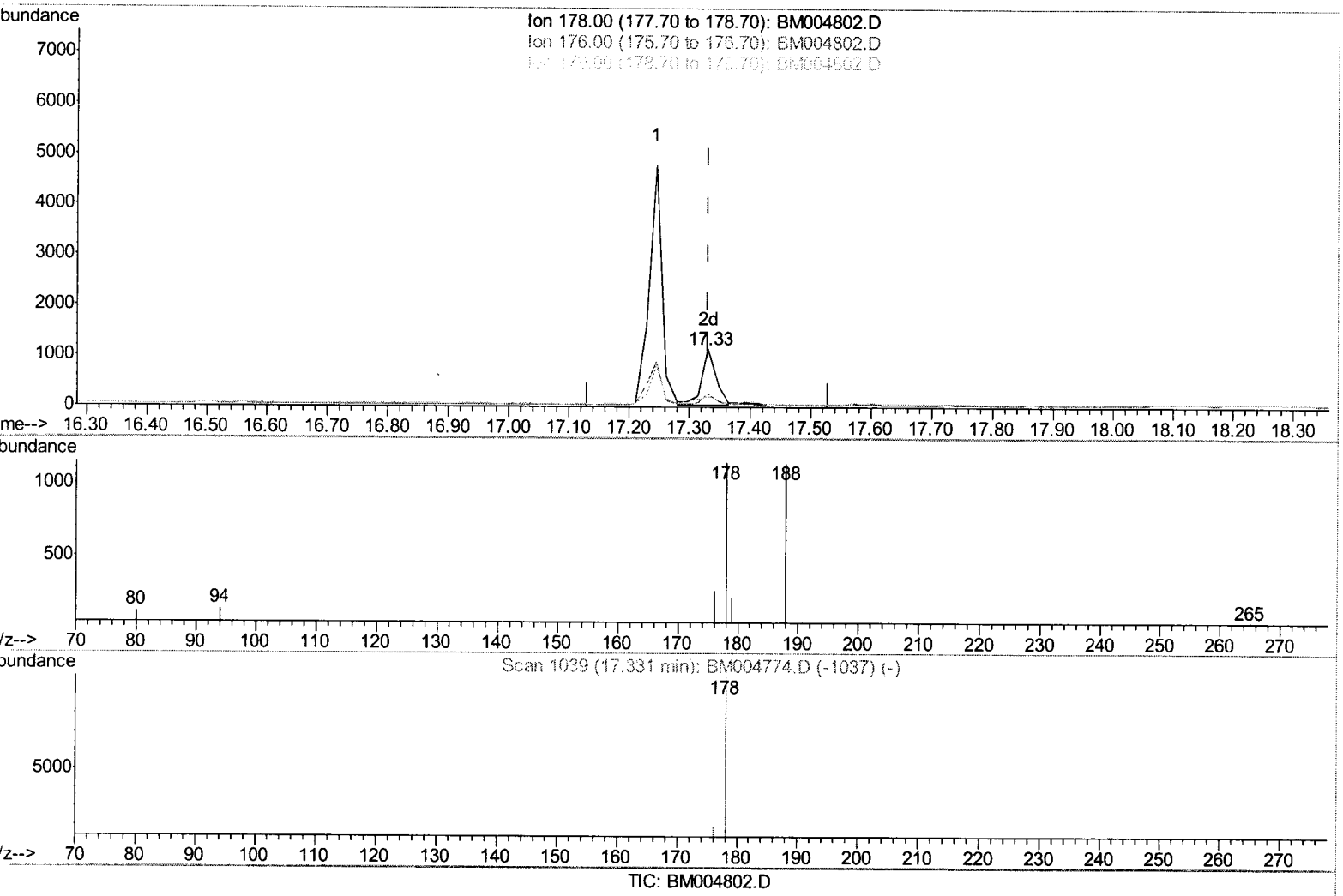
Instrument :
BNA_M
ClientSampleId :
A4T45DL

Manual Integrations APPROVED
UMANGI
4/6/2016 2:53:29 PM



TIC: BM004802.D

(15) Anthracene

17.330min (-0.000) 0.12ng/ul m

response 1773

U.M 04/07/16

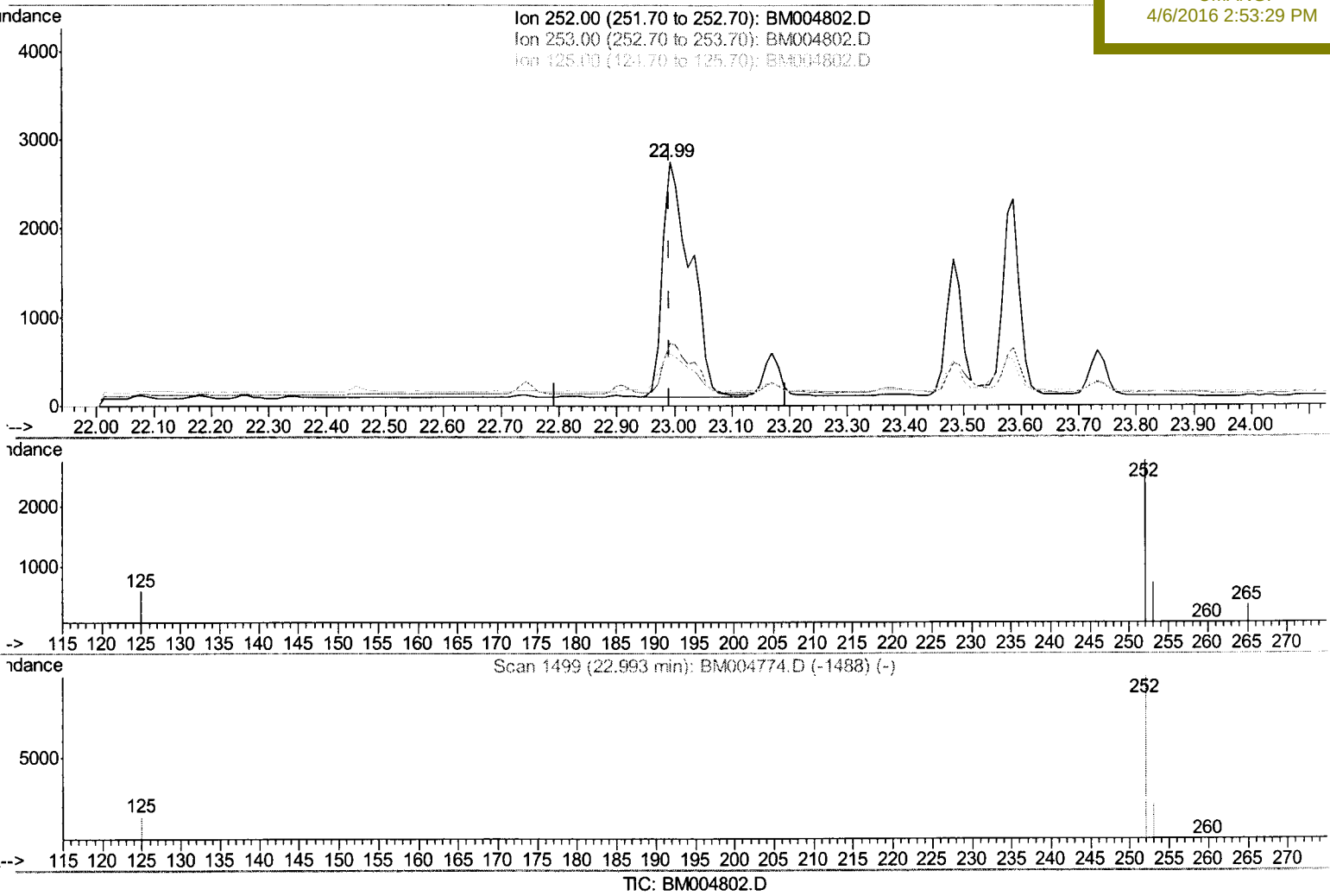
Ion	Exp%	Act%
178.00	100	100
176.00	17.50	22.93#
179.00	16.10	19.27
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
Data File : BM004802.D
Acq On : 28 Mar 2016 12:18
Operator : UM/SJ
Sample : H1909-09DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 18:51:02 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4T45DL

Manual Integrations APPROVED
UMANGI
4/6/2016 2:53:29 PM



(23) Benzo(b)fluoranthene

22.993min (-0.000) 0.48ng/ul

response 8822

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.99
125.00	14.40	21.45
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
Data File : BM004802.D
Acq On : 28 Mar 2016 12:18
Operator : UM/SJ
Sample : H1909-09DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 18:51:02 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4T45DL

Manual Integrations APPROVED
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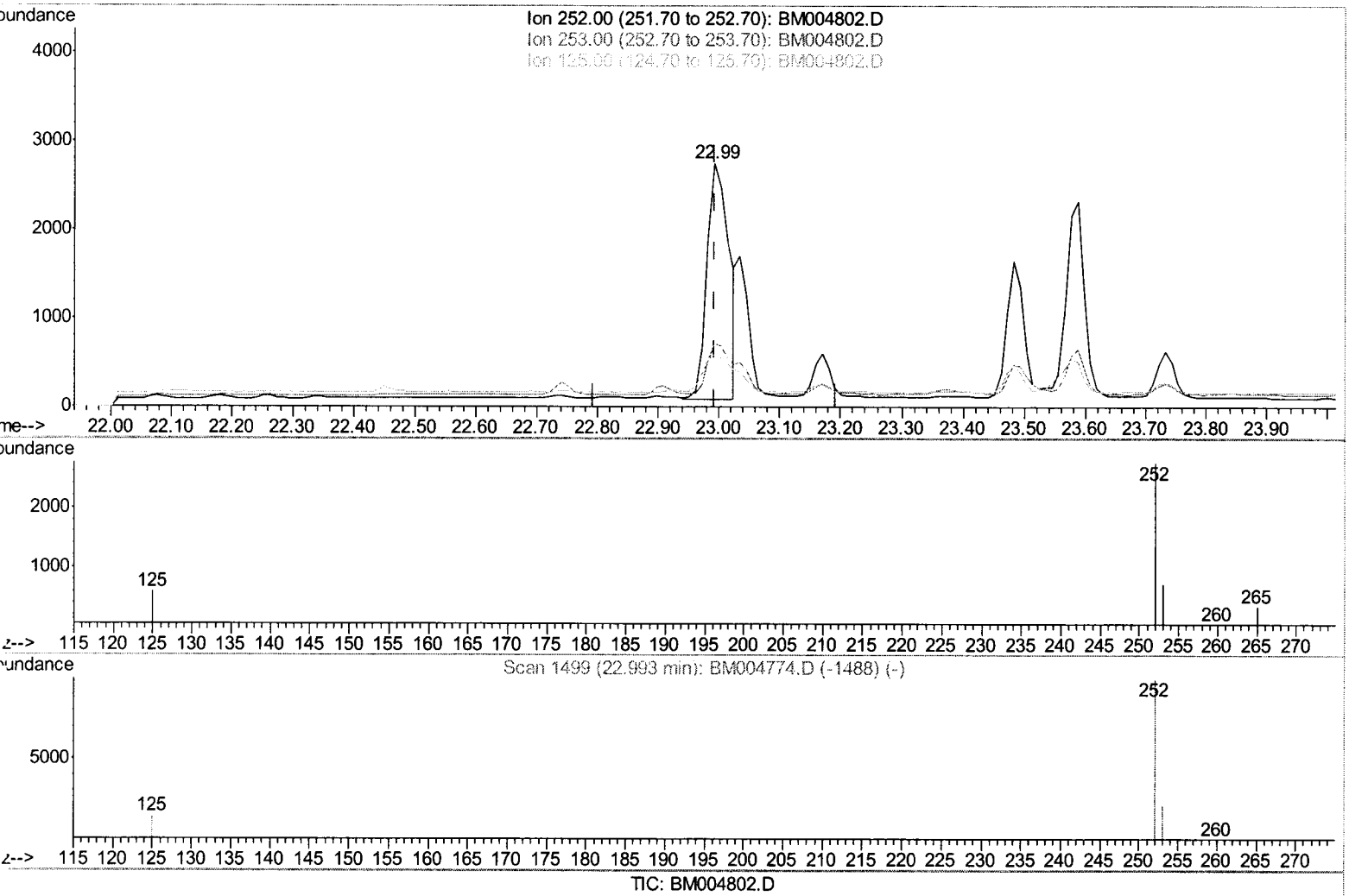

TIC: BM004802.D

(23) Benzo(b)fluoranthene

22.993min (-0.000) 0.37ng/ul m

response 6725

U.M 04|07|16

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.99
125.00	14.40	21.45
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
Data File : BM004802.D
Acq On : 28 Mar 2016 12:18
Operator : UM/SJ
Sample : H1909-09DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 08 04:04:14 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4T45DL

Manual Integrations APPROVED
UMANGI
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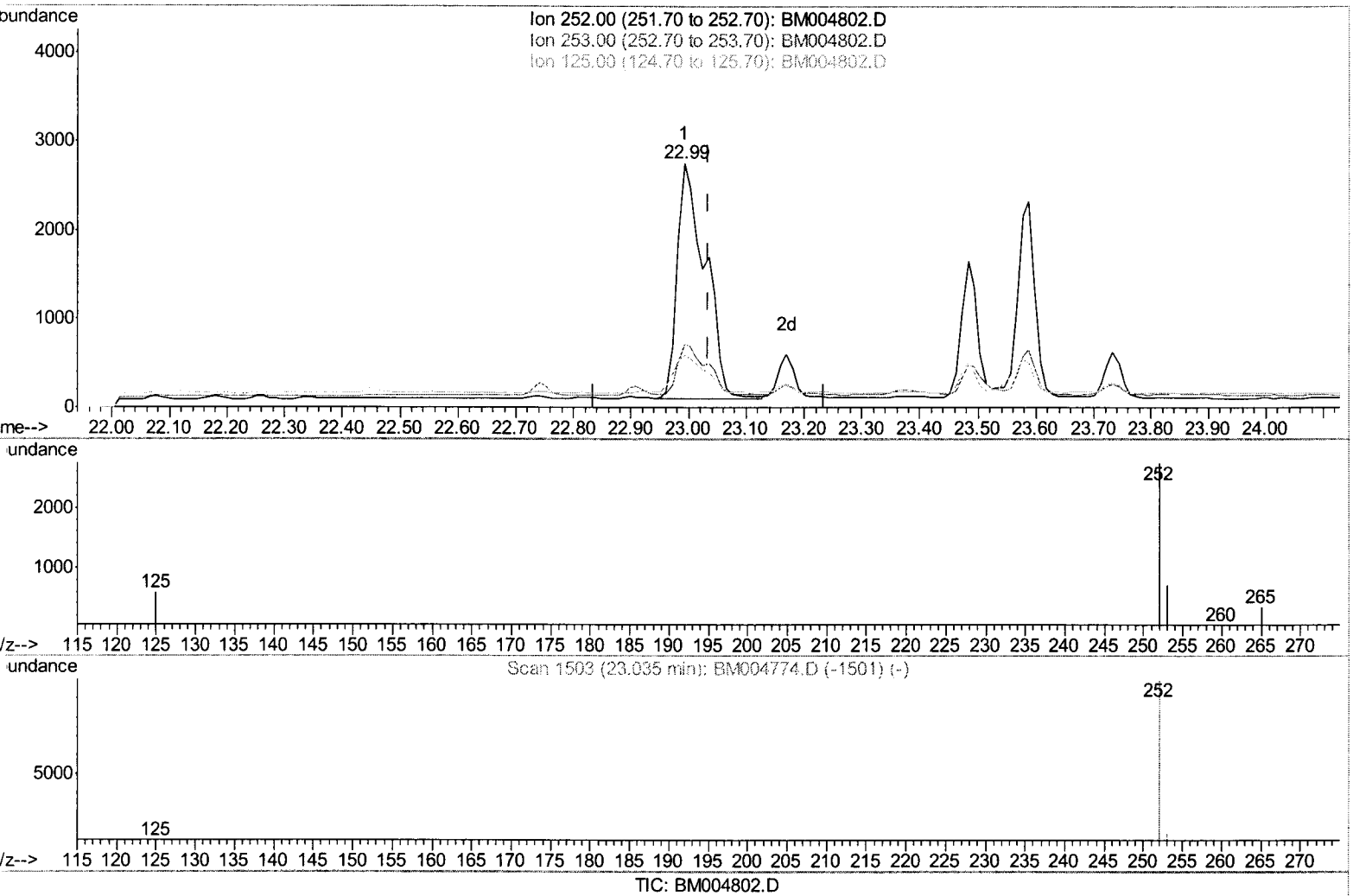

(24) Benzo(k)fluoranthene

22.993min (-0.042) 0.52ng/ul

response 8822

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	25.99
125.00	13.00	21.45#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
Data File : BM004802.D
Acq On : 28 Mar 2016 12:18
Operator : UM/SJ
Sample : H1909-09DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 18:51:02 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4T45DL

Manual Integrations APPROVED
UMANGI
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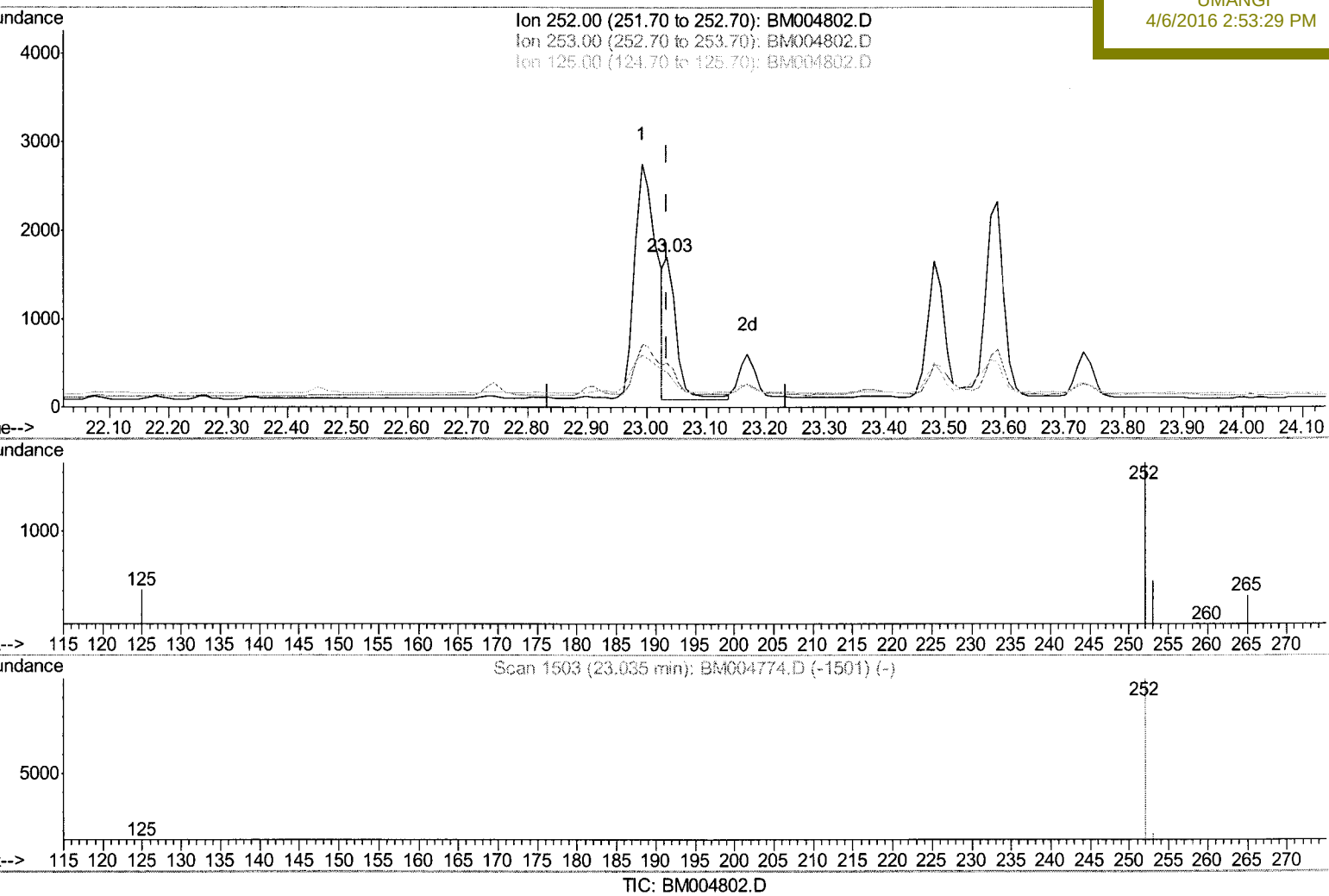

TIC: BM004802.D

(24) Benzo(k)fluoranthene

23.034min (-0.000) 0.14ng/ul m U.M 04/07/16

response 2329

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	29.34
125.00	13.00	23.81#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM032816\
Data File : BM004802.D
Acq On : 28 Mar 2016 12:18
Operator : UM/SJ
Sample : H1909-09DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 05 18:54:49 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
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Instrument : BNA_M
ClientSampleId : A4T45DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1028	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4603	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2599	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5740	0.40	ng/ul	0.00
18) Chrysene-d12	21.40	240	5731	0.40	ng/ul	0.00
22) Perylene-d12	23.69	264	5411	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	755	1.63	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	288	0.04	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	669	0.05	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.67	128	520	0.05	ng/ul#	65
9) Acenaphthylene	14.18	152	401	0.03	ng/ul#	69
10) Acenaphthene	14.52	153	297	0.04	ng/ul#	85
11) Fluorene	15.51	166	563	0.06	ng/ul#	86
13) Pentachlorophenol	16.87	266	29	0.02	ng/ul#	59
14) Phenanthrene	17.24	178	7131	0.44	ng/ul	96
15) Anthracene	17.33	178	1773m	0.12	ng/ul	
17) Fluoranthene	19.27	202	11837	0.64	ng/ul	97
19) Pyrene	19.63	202	11460	0.58	ng/ul	97
20) Benzo(a)anthracene	21.38	228	5431	0.31	ng/ul#	93
21) Chrysene	21.43	228	5230	0.31	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	6725m	0.37	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	2329m	0.14	ng/ul	
25) Benzo(a)pyrene	23.59	252	4656	0.28	ng/ul#	90
26) Indeno(1,2,3-cd)pyrene	26.01	276	2349	0.15	ng/ul#	87
27) Dibenzo(a,h)anthracene	26.02	278	597	0.05	ng/ul#	39
28) Benzo(g,h,i)perylene	26.72	276	2157	0.17	ng/ul#	83

U.M 04/07/16

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