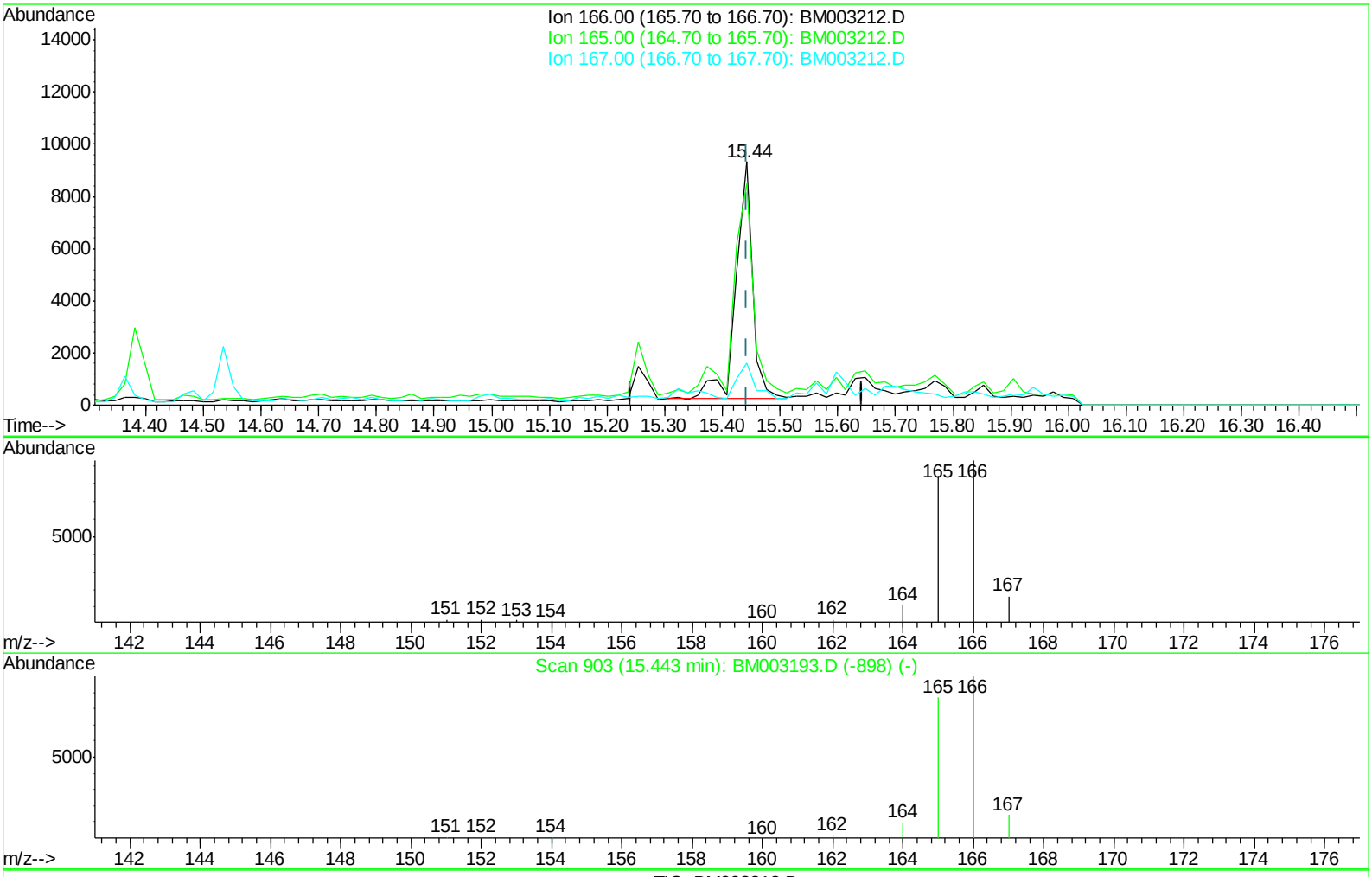
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003212.D
Acq On : 20 Nov 2015 04:37
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 07:50:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM



TIC: BM003212.D

(11) Fluorene

15.443min (-0.000) 0.14ng/ul

response 18237

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	90.78
167.00	14.90	17.31
0.00	0.00	0.00

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ClientSampleId :
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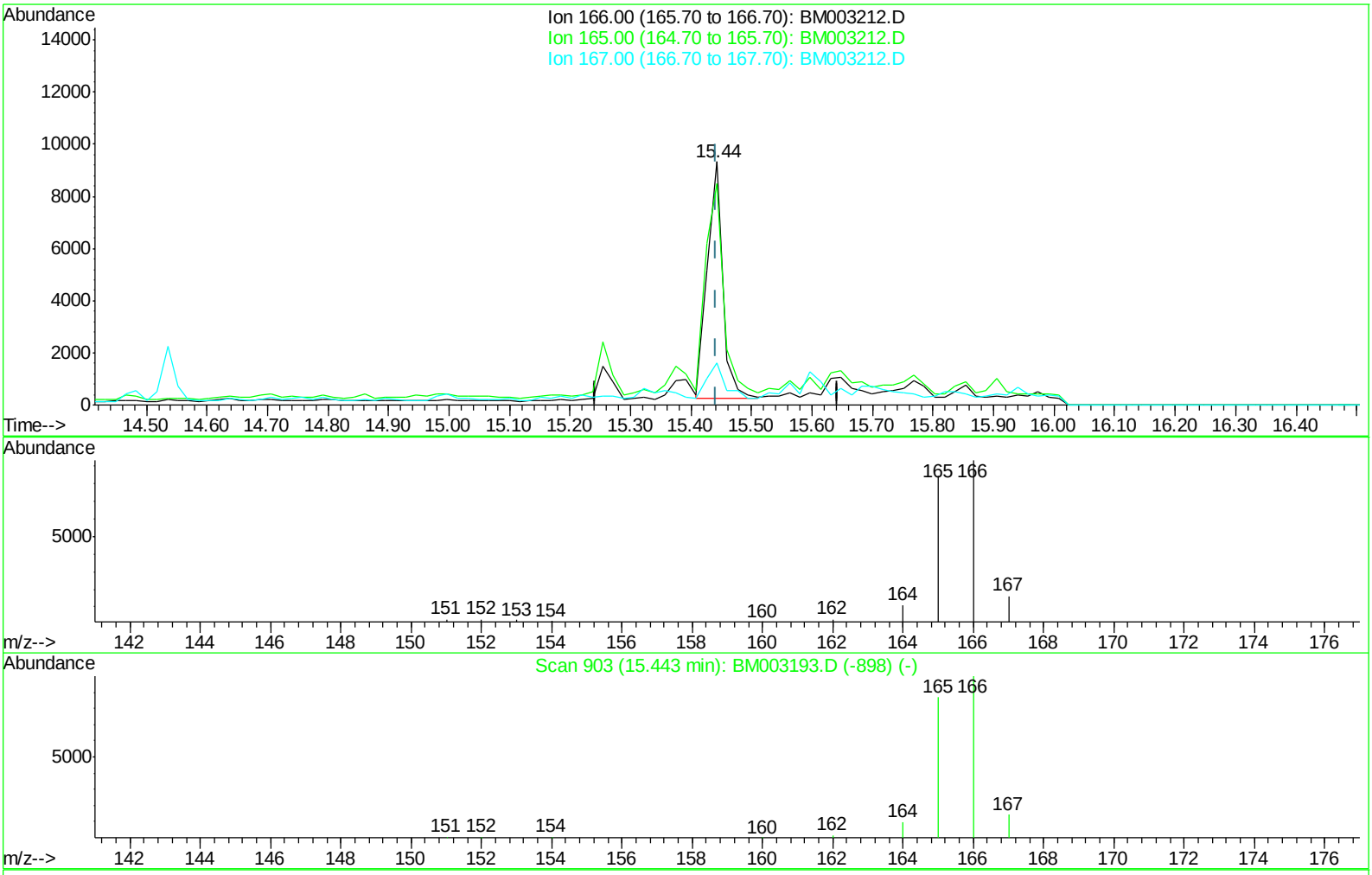
Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM



TIC: BM003212.D

(11) Fluorene

15.443min (-0.000) 0.12ng/ul m

response 16433

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	90.78
167.00	14.90	17.31
0.00	0.00	0.00

Quantitation Report (Qedit)

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ClientSampleId :
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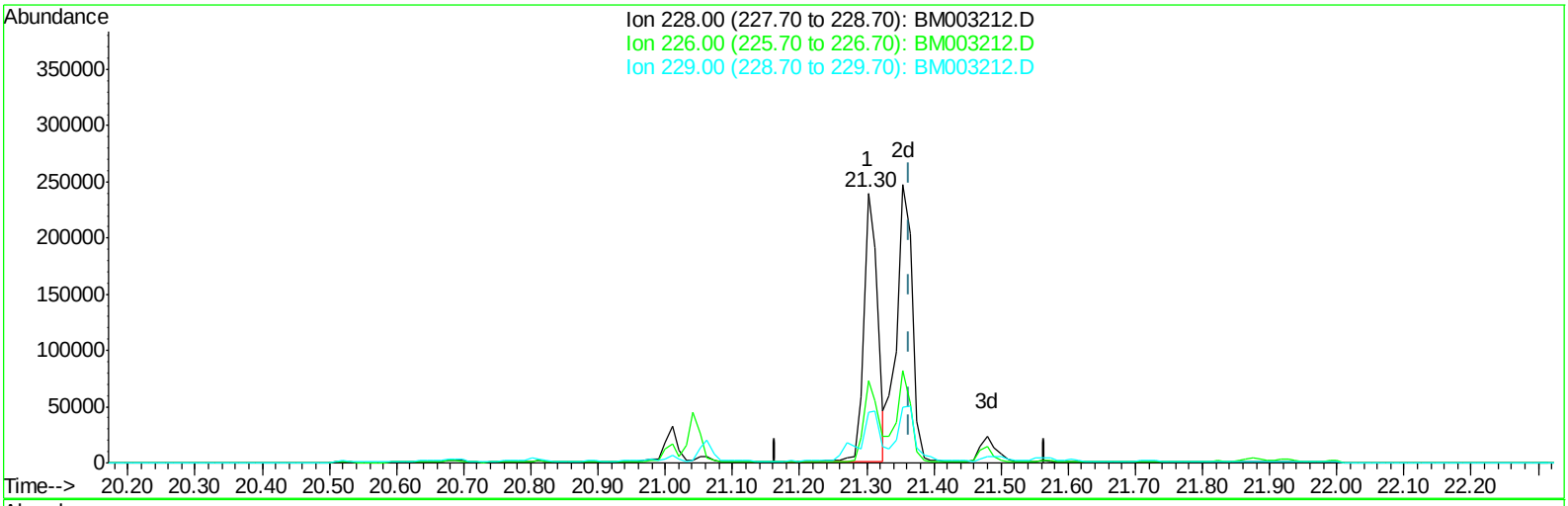
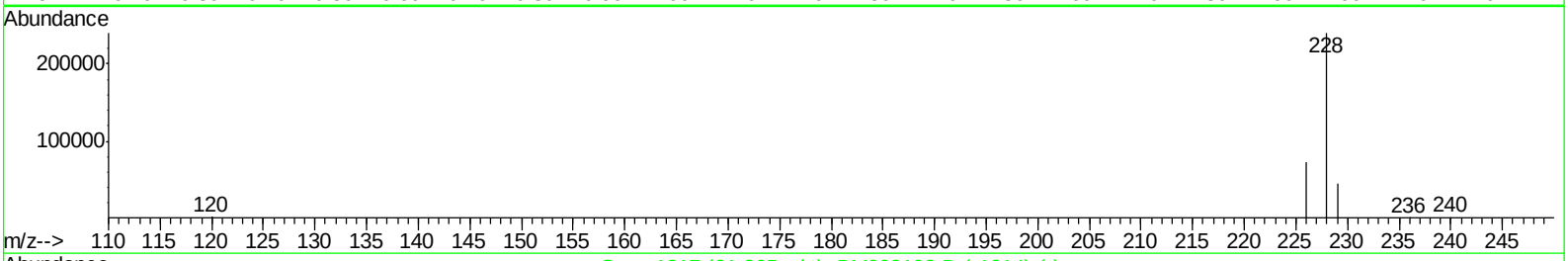
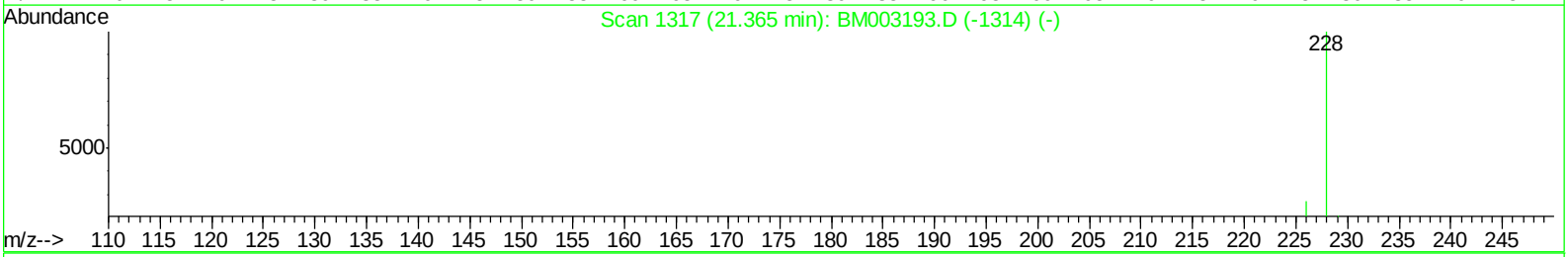
Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM







TIC: BM003212.D

(21) Chrysene

21.302min (-0.063) 1.45ng/ul

response 342016

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	30.60
229.00	21.30	18.74
0.00	0.00	0.00

Quantitation Report (Qedit)

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QLast Update : Fri Nov 20 03:16:26 2015
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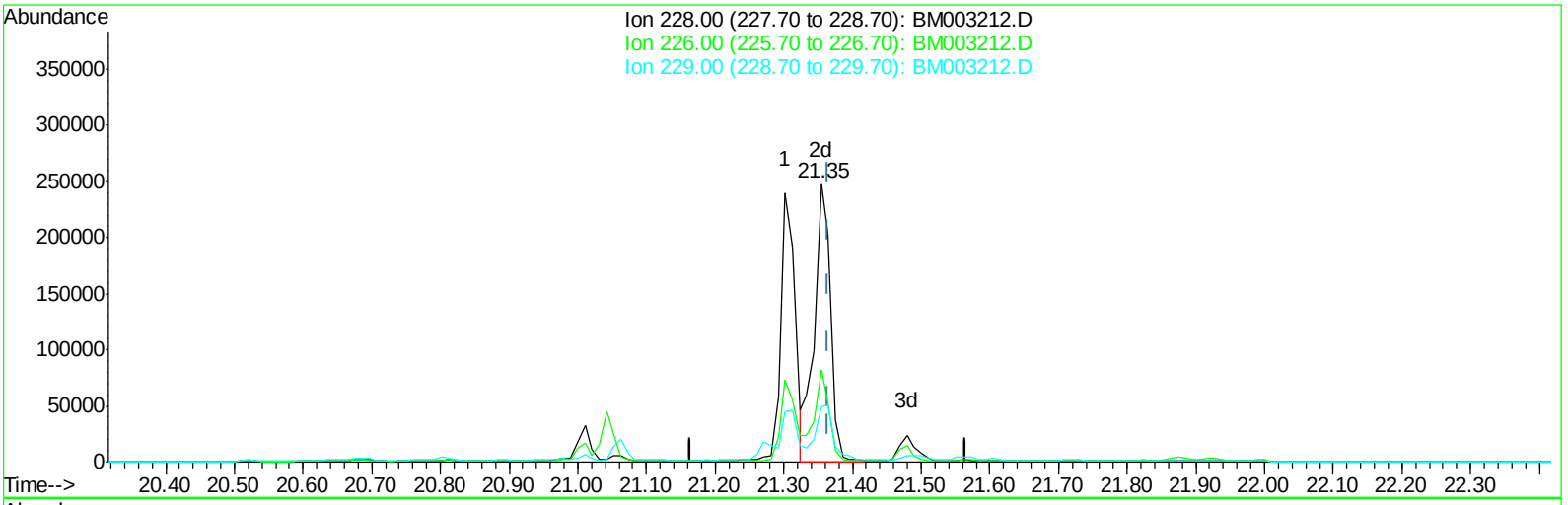
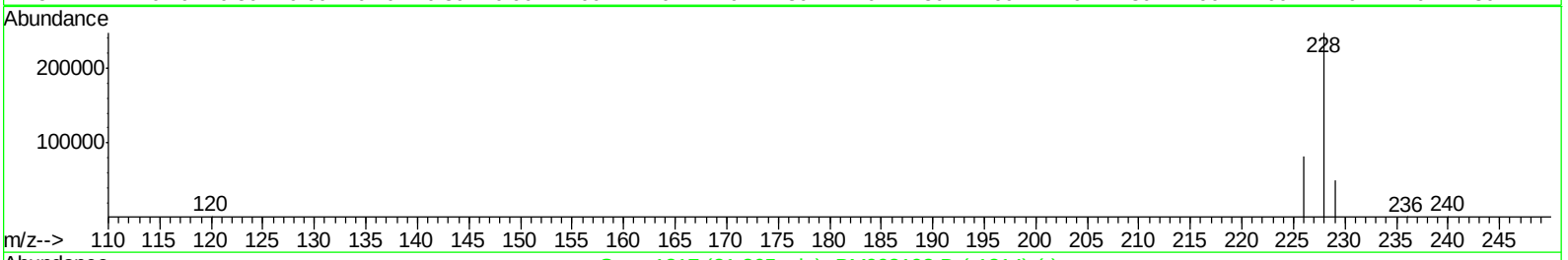
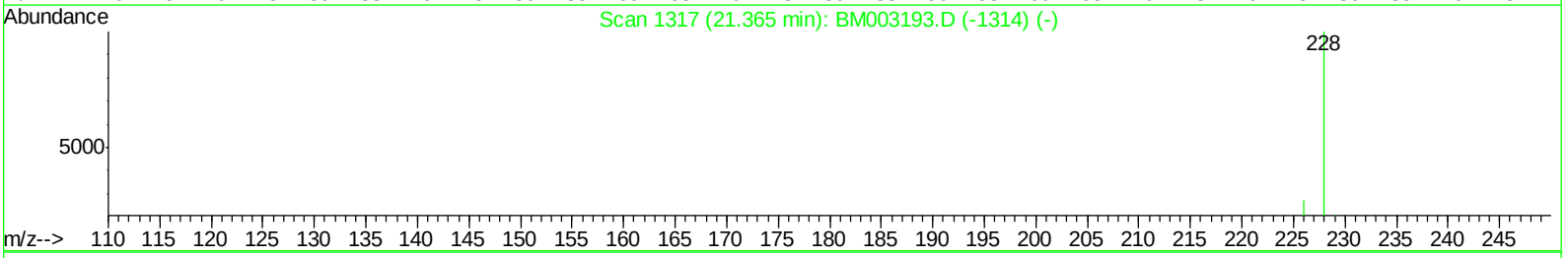
Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM







TIC: BM003212.D

(21) Chrysene

21.354min (-0.010) 1.75ng/ul m

response 411623

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	32.99#
229.00	21.30	19.90
0.00	0.00	0.00

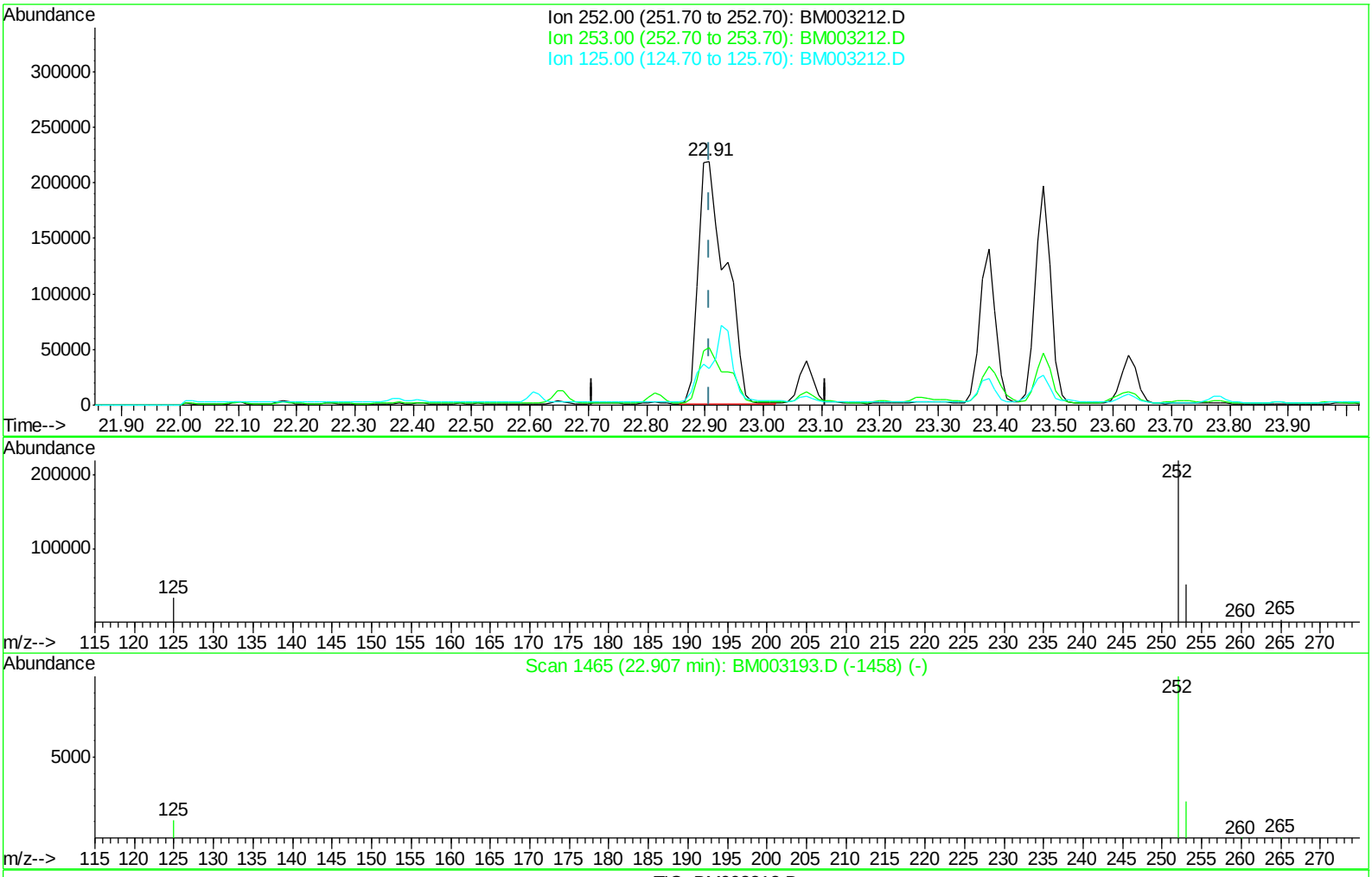
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003212.D
Acq On : 20 Nov 2015 04:37
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 07:50:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM



TIC: BM003212.D

(23) Benzo(b)fluoranthene

22.907min (-0.000) 2.51ng/ul

response 708698

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.43
125.00	14.40	14.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003212.D
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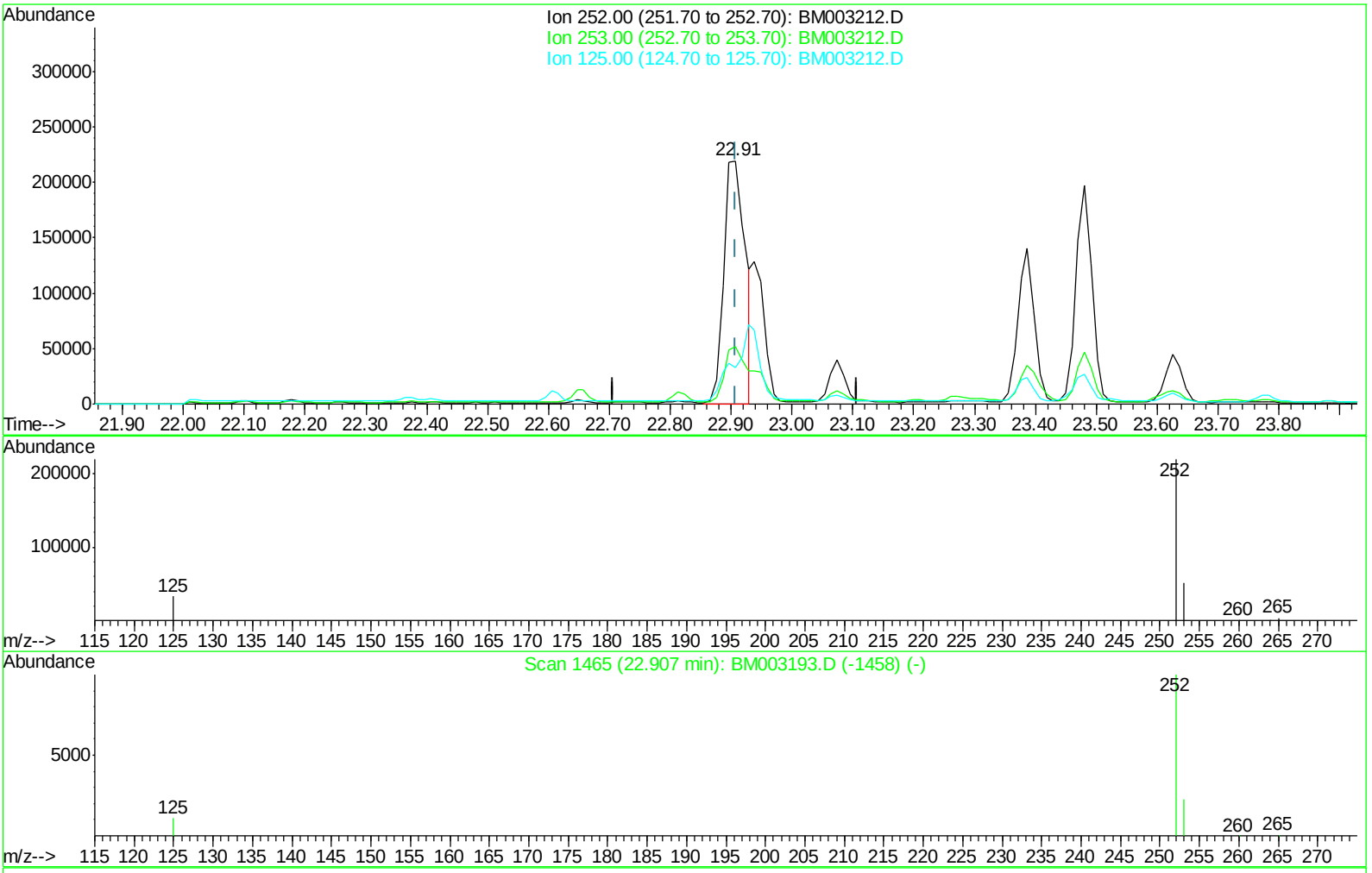
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 07:50:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM



TIC: BM003212.D

(23) Benzo(b)fluoranthene

22.907min (-0.000) 1.89ng/ul m

response 532260

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.43
125.00	14.40	14.96
0.00	0.00	0.00

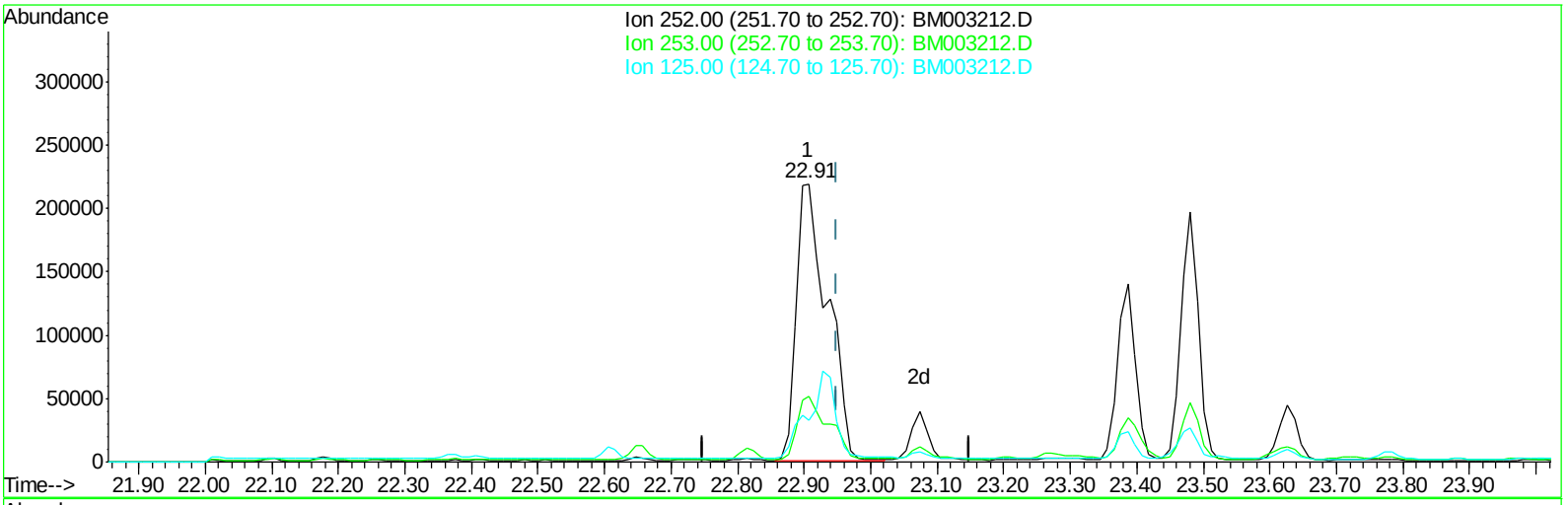
Quantitation Report (Qedit)

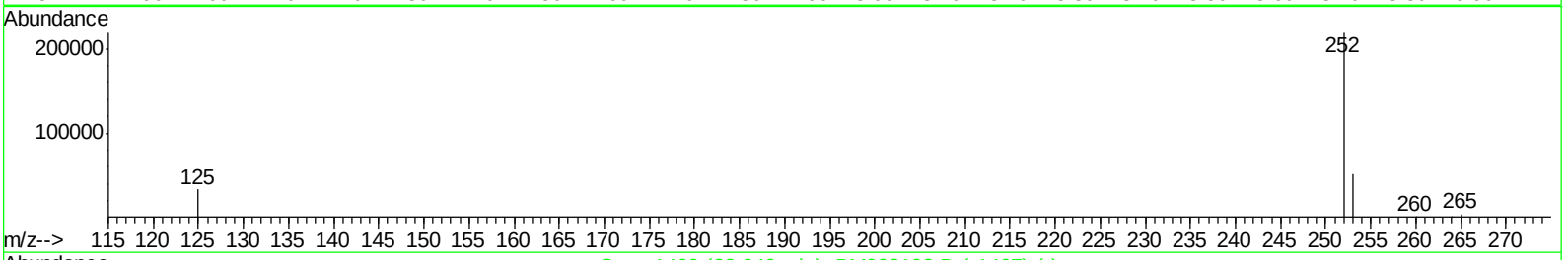
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003212.D
Acq On : 20 Nov 2015 04:37
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

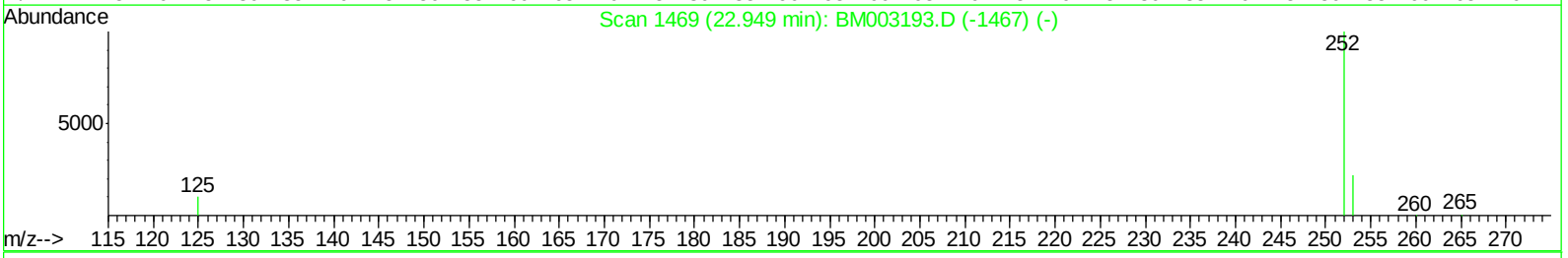
Quant Time: Nov 20 07:50:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM







TIC: BM003212.D

(24) Benzo(k)fluoranthene

22.907min (-0.042) 2.65ng/ul

response 708698

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	23.43
125.00	13.00	14.96
0.00	0.00	0.00

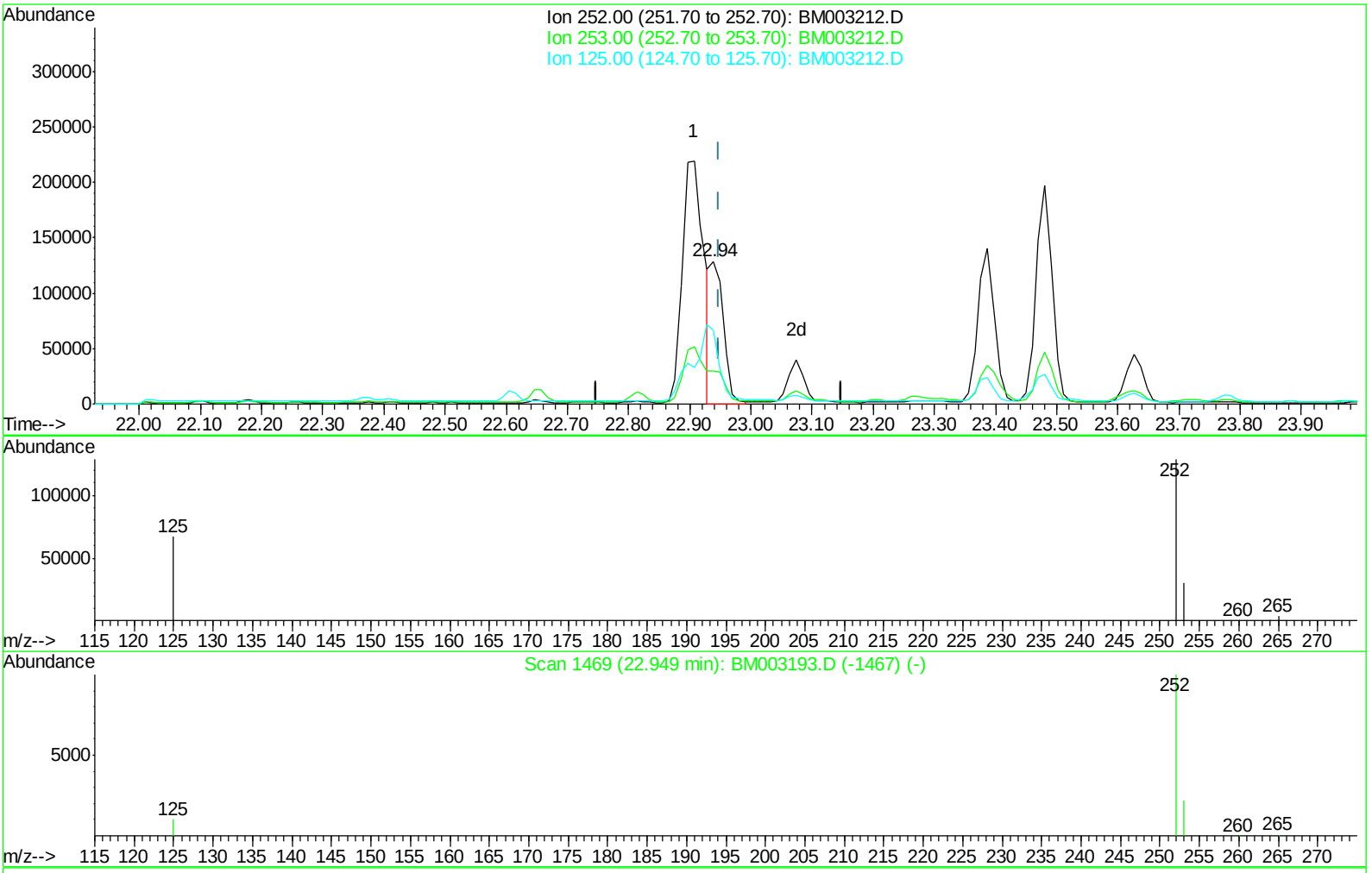
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003212.D
Acq On : 20 Nov 2015 04:37
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 07:50:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM



TIC: BM003212.D

(24) Benzo(k)fluoranthene

22.938min (-0.010) 0.70ng/ul m

response 186570

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	23.42
125.00	13.00	52.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003212.D
Acq On : 20 Nov 2015 04:37
Operator : UM/IZ
Sample : G4323-33MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60MSD

Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM

Quant Time: Nov 20 08:04:19 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	19781	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	75680	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	35085	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	70310	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	71996	0.40	ng/ul	-0.01
22) Perylene-d12	23.58	264	74235	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
6) 2-Methylnaphthalene-d10	12.12	152	19631	0.19	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	39552	0.23	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.58	128	16768	0.09	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	5824	0.05	ng/ul#	100
9) Acenaphthylene	14.09	152	34471	0.24	ng/ul	98
10) Acenaphthene	14.45	153	12992	0.11	ng/ul	96
11) Fluorene	15.44	166	16433m	0.12	ng/ul	
13) Pentachlorophenol	16.78	266	5496	0.33	ng/ul#	16
14) Phenanthrene	17.17	178	375442	1.84	ng/ul	99
15) Anthracene	17.26	178	73315	0.43	ng/ul	99
17) Fluoranthene	19.19	202	795327	3.52	ng/ul	99
19) Pyrene	19.55	202	736727	2.98	ng/ul	99
20) Benzo(a)anthracene	21.30	228	343431	1.65	ng/ul#	90
21) Chrysene	21.35	228	411623m	1.75	ng/ul	
23) Benzo(b)fluoranthene	22.91	252	532260m	1.89	ng/ul	
24) Benzo(k)fluoranthene	22.94	252	186570m	0.70	ng/ul	
25) Benzo(a)pyrene	23.48	252	358568	1.43	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.86	276	255097	0.85	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	59768	0.25	ng/ul#	84
28) Benzo(g,h,i)perylene	26.56	276	244369	0.93	ng/ul	99

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

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Manual Integrations APPROVED
Mmdadoda
11/20/2015 7:00:35 PM