

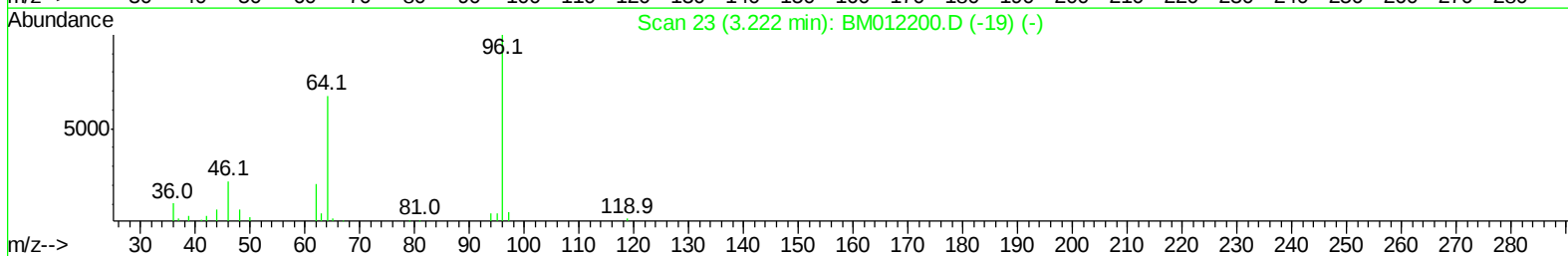
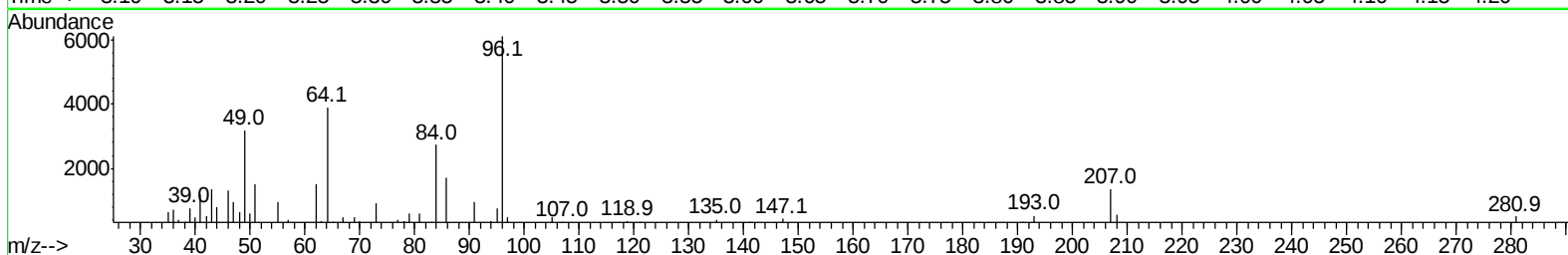
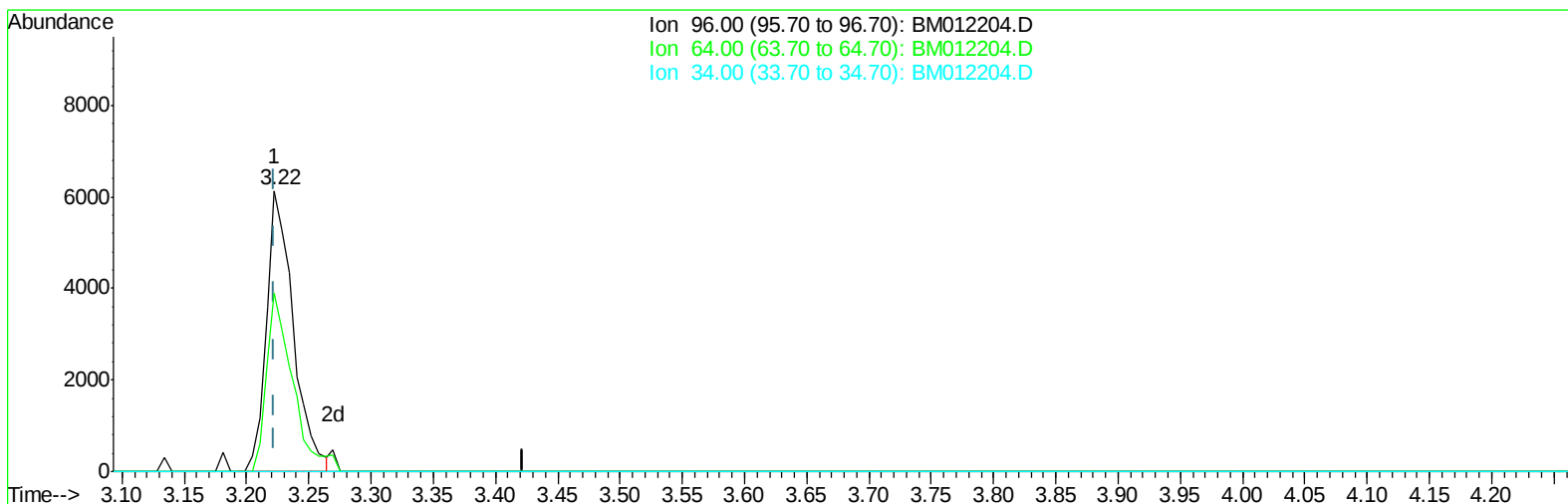
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:02:28 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(3) 1,4-Dioxane-d8 (S)

3.222min (+0.000) 2.85ng/uL

response 9135

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	61.22
34.00	0.00	0.00
0.00	0.00	0.00

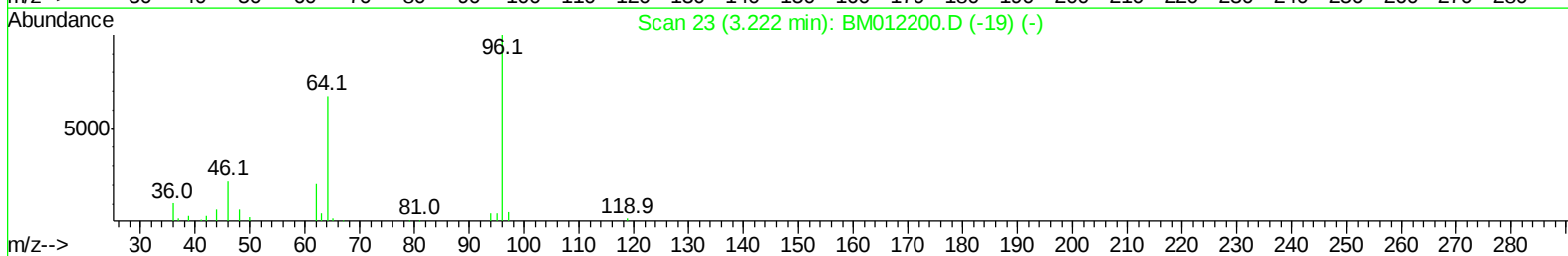
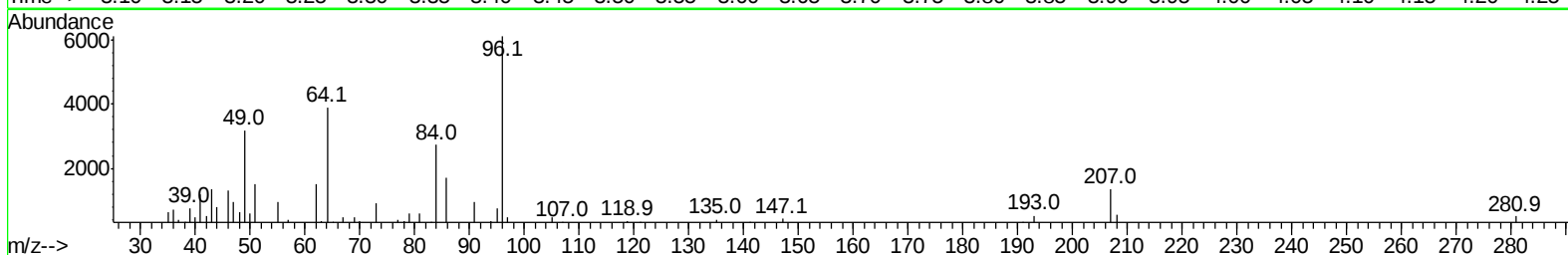
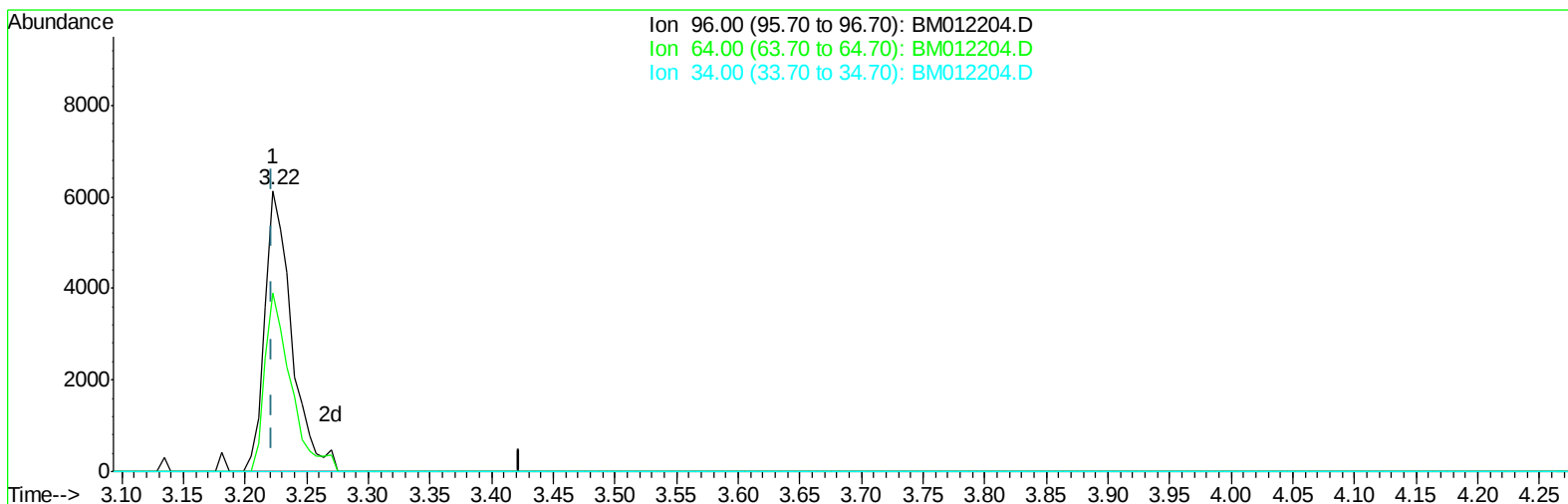
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
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Instrument :
BNA_M
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Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:02:28 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(3) 1,4-Dioxane-d8 (S)

3.222min (+0.000) 2.90ng/uL m

response 9305

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	60.10
34.00	0.00	0.00
0.00	0.00	0.00

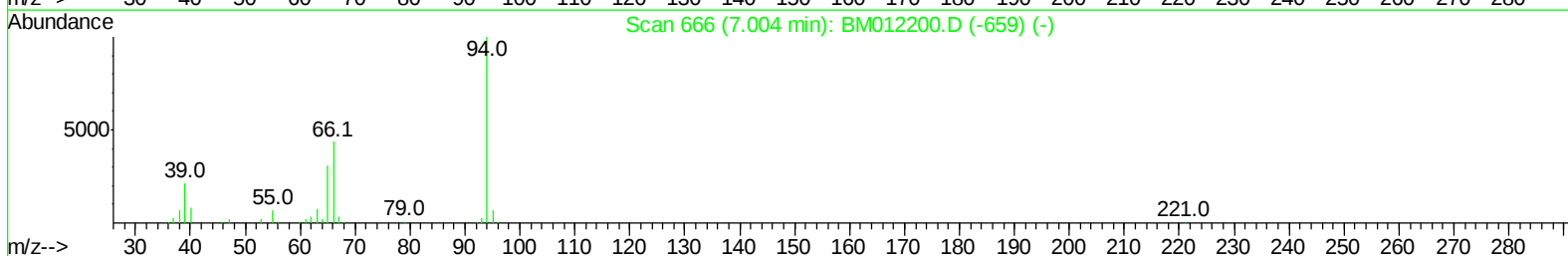
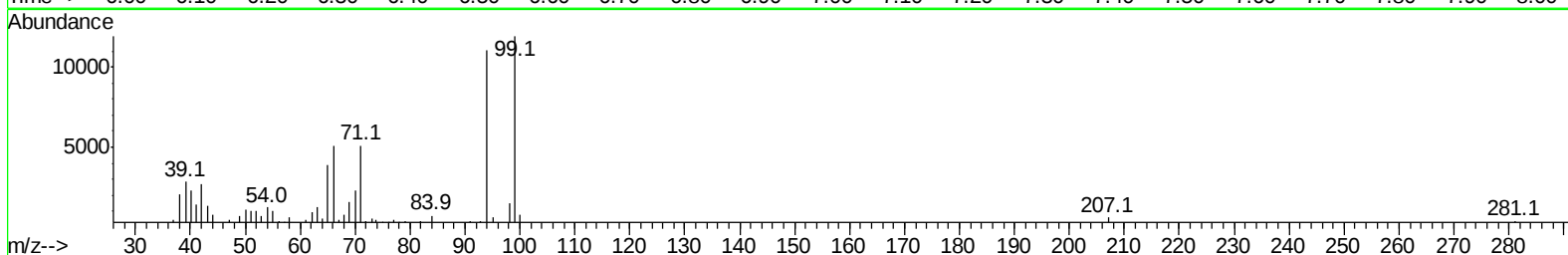
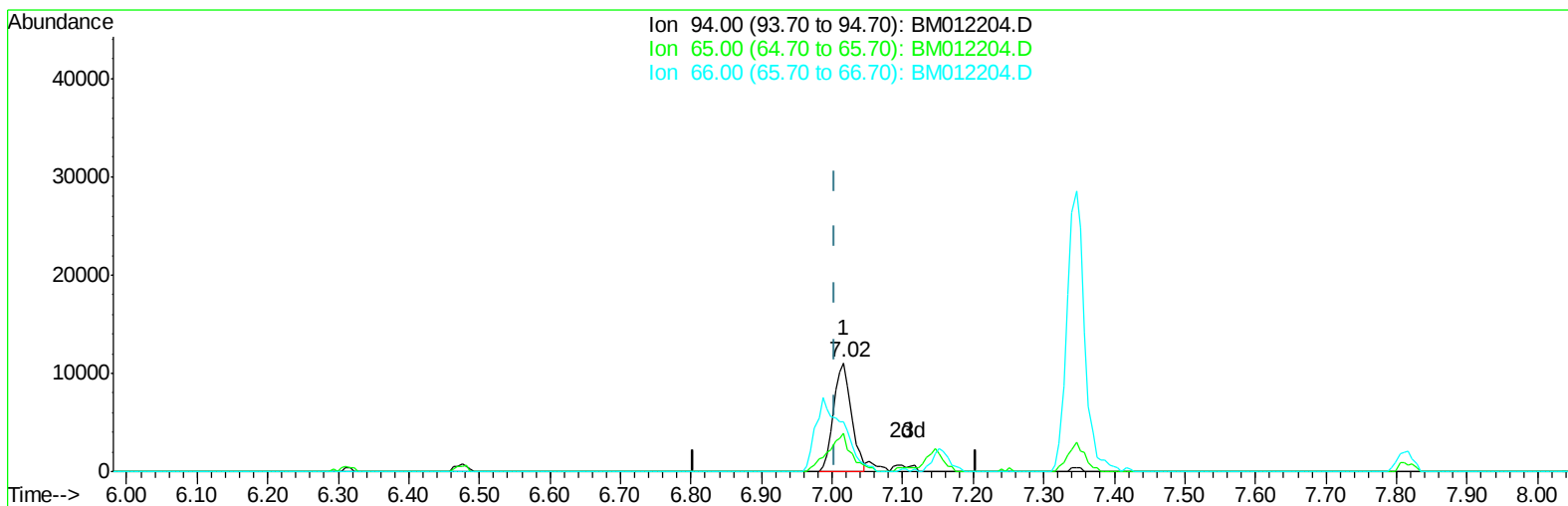
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:35:48 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(6) Phenol

7.016min (+0.012) 1.52ng/ul

response 19417

Ion	Exp%	Act%
94.00	100	100
65.00	35.30	35.35
66.00	59.00	45.70#
0.00	0.00	0.00

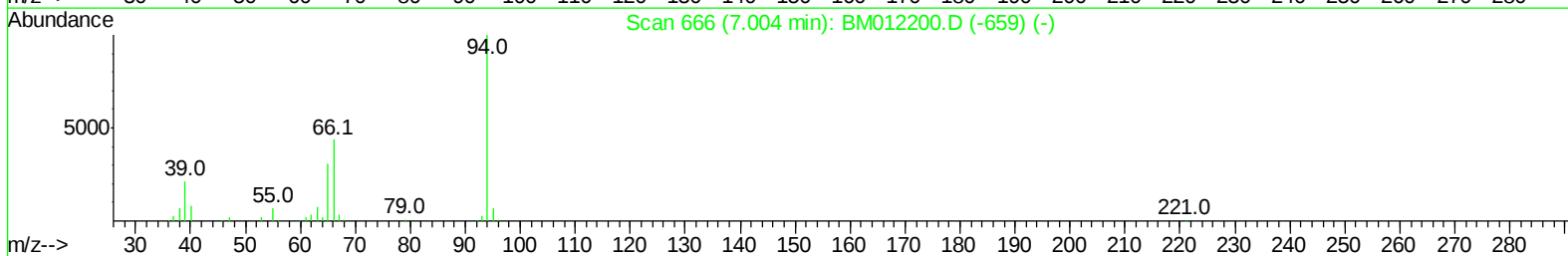
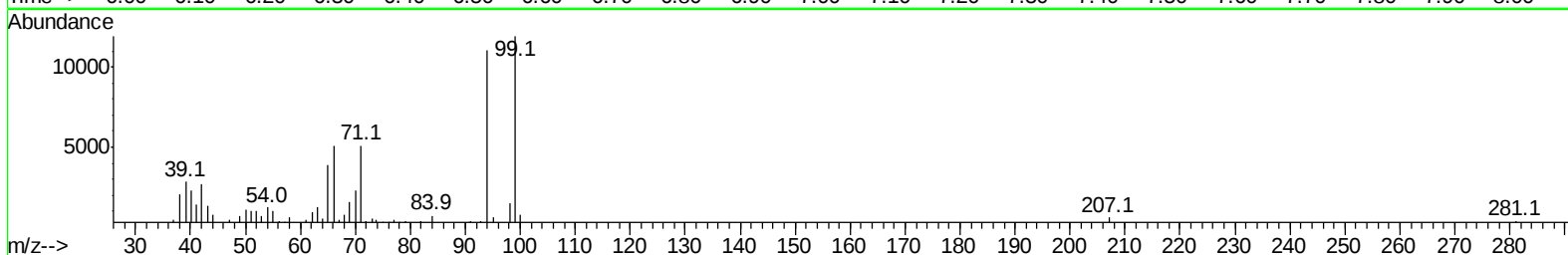
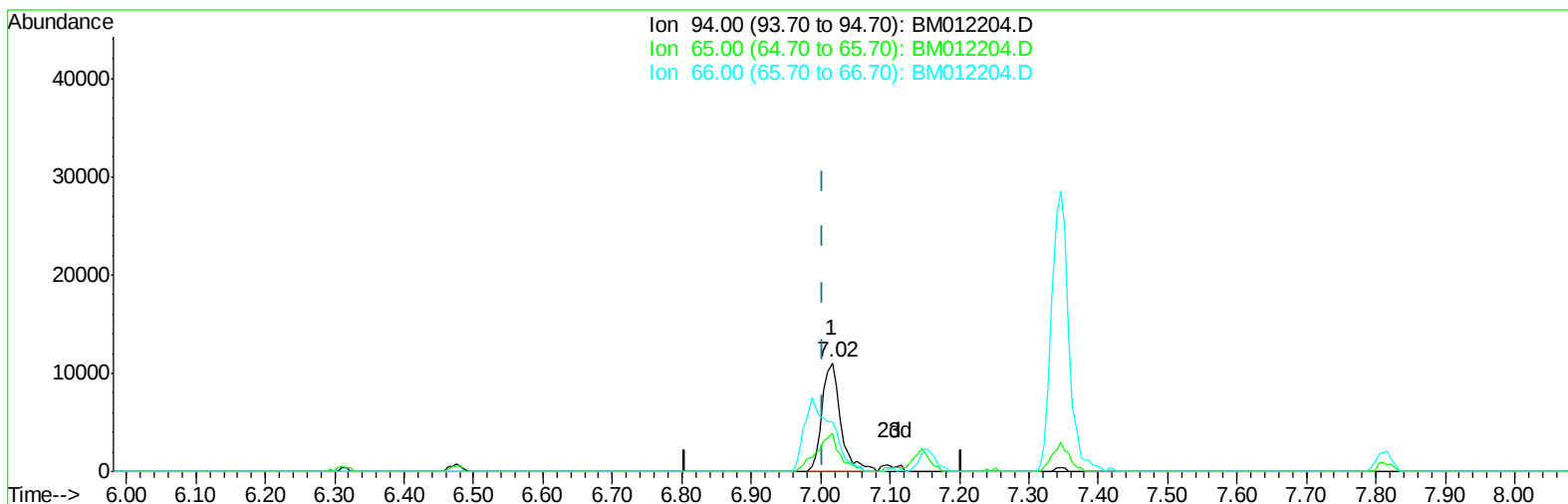
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:35:48 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(6) Phenol

7.016min (+0.012) 1.61ng/ul m

response 20524

Ion	Exp%	Act%
94.00	100	100
65.00	35.30	35.35
66.00	59.00	45.70#
0.00	0.00	0.00

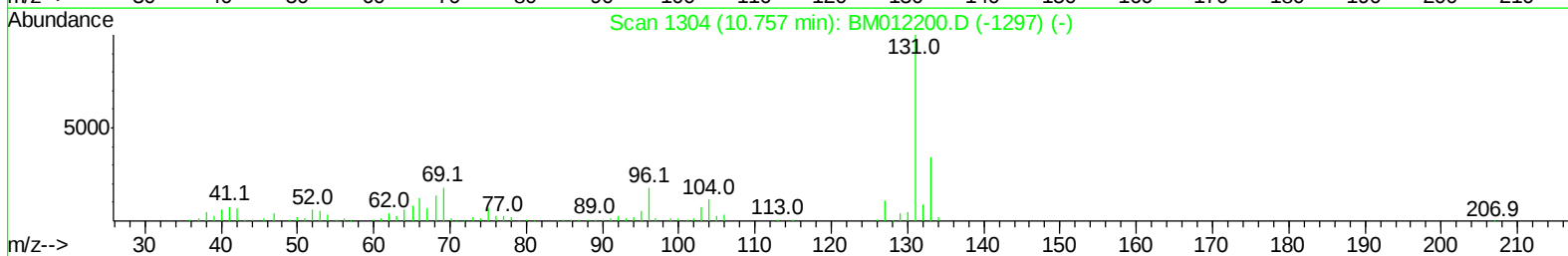
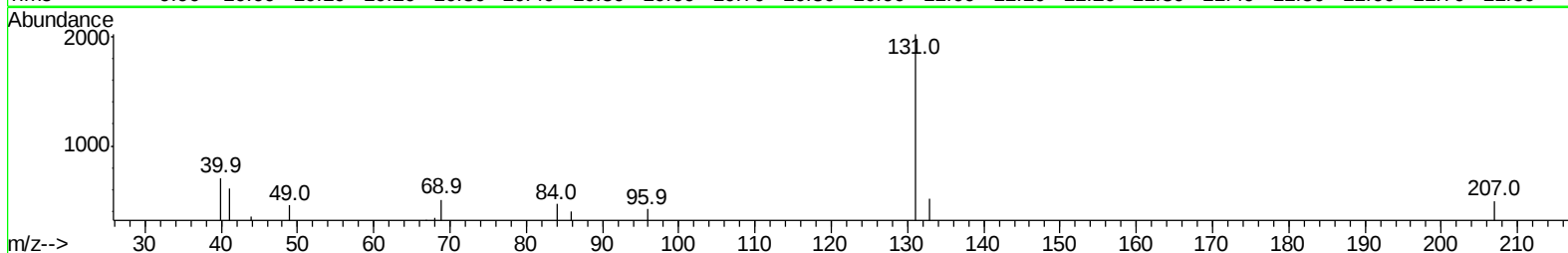
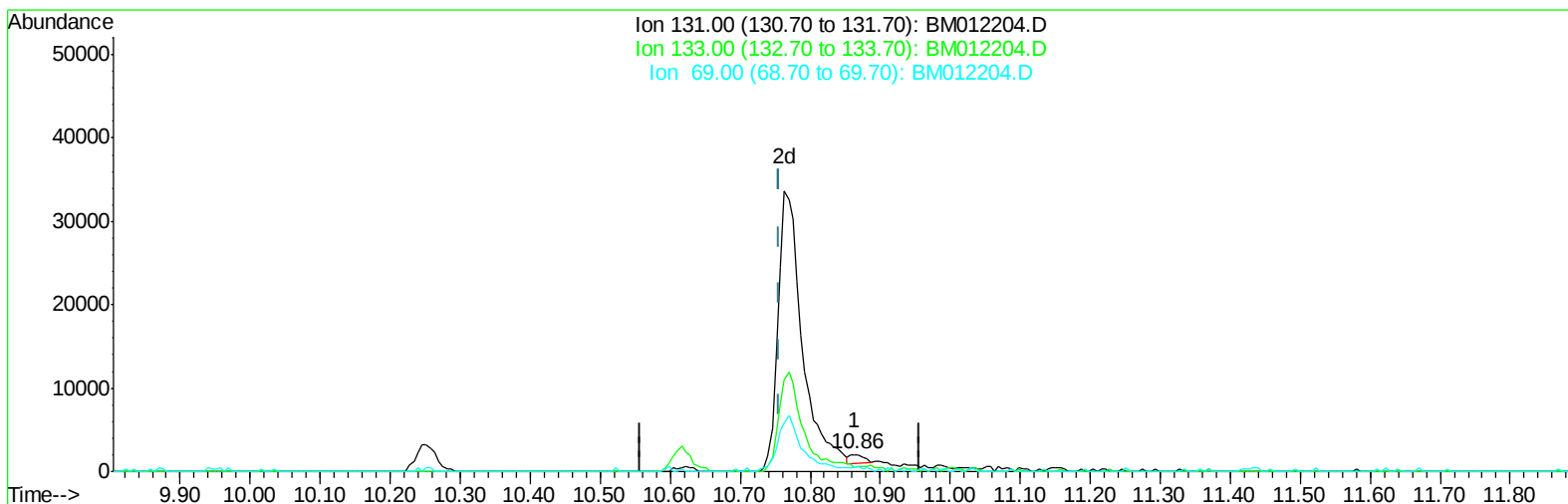
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Quant Time: Oct 16 02:35:48 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM



TIC: BM012204.D

(29) 4-Chloroaniline-d4 (S)
10.863min (+0.106) 0.15ng/ul
response 1512

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	25.21
69.00	24.30	25.01
0.00	0.00	0.00

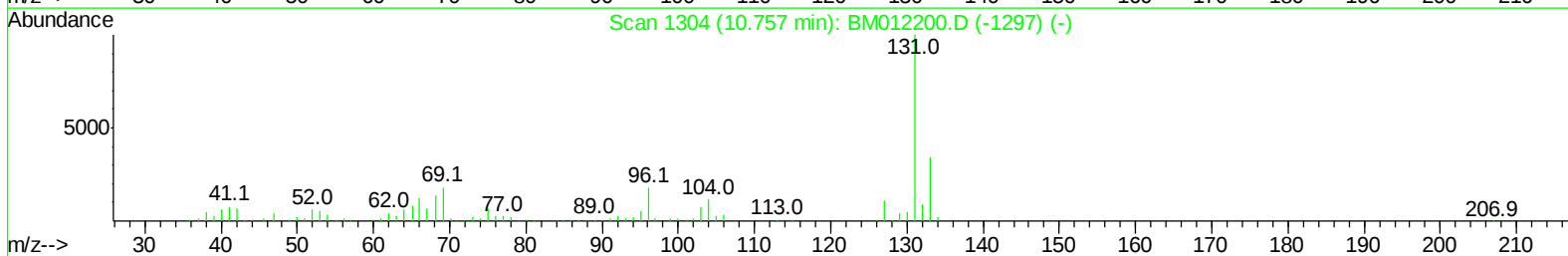
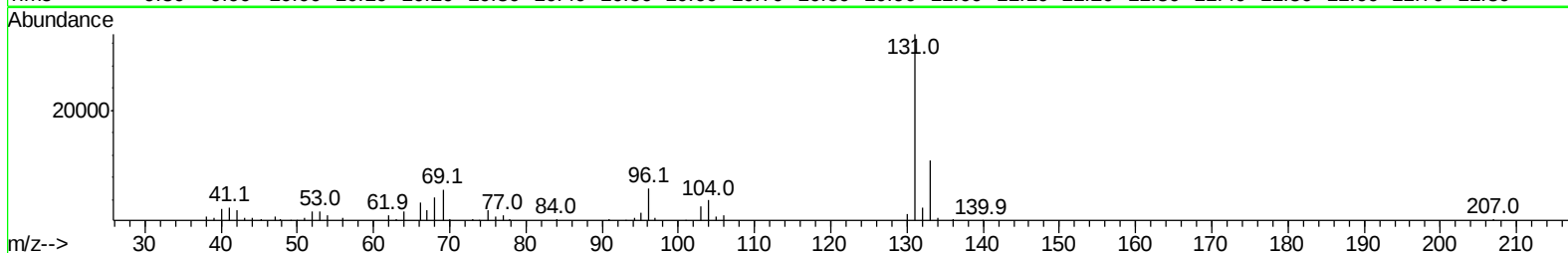
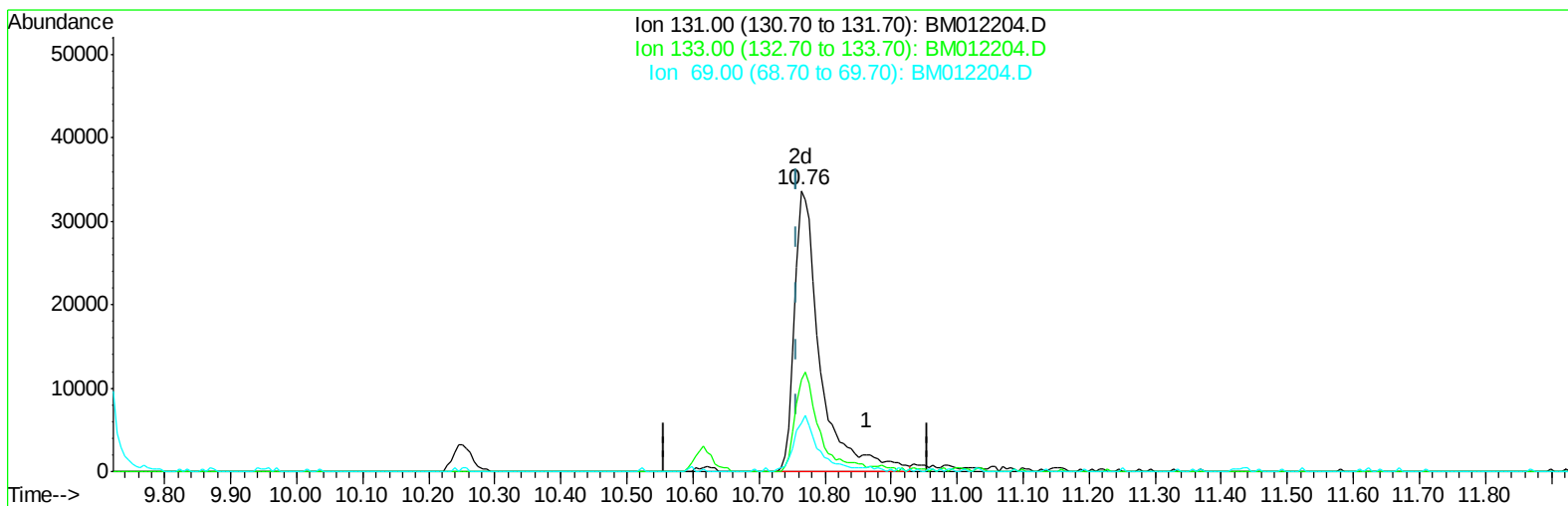
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:35:48 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(29) 4-Chloroaniline-d4 (S)

10.763min (+0.006) 8.66ng/ul m

response 89270

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	32.63
69.00	24.30	17.35#
0.00	0.00	0.00

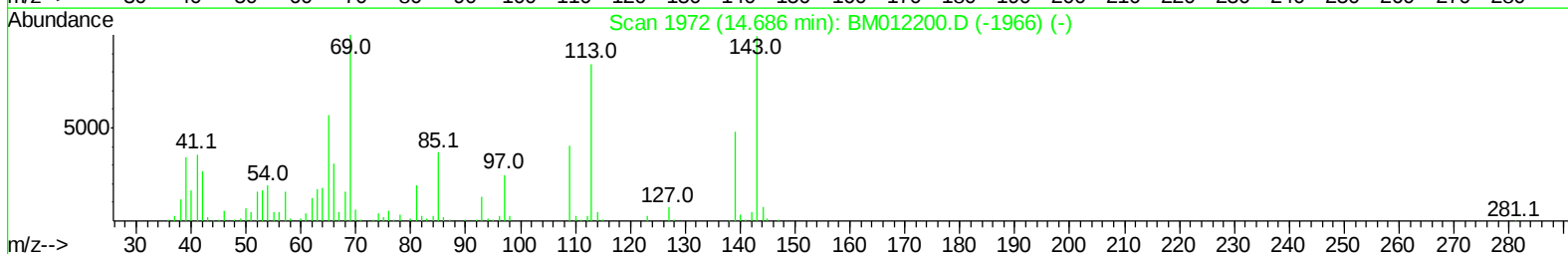
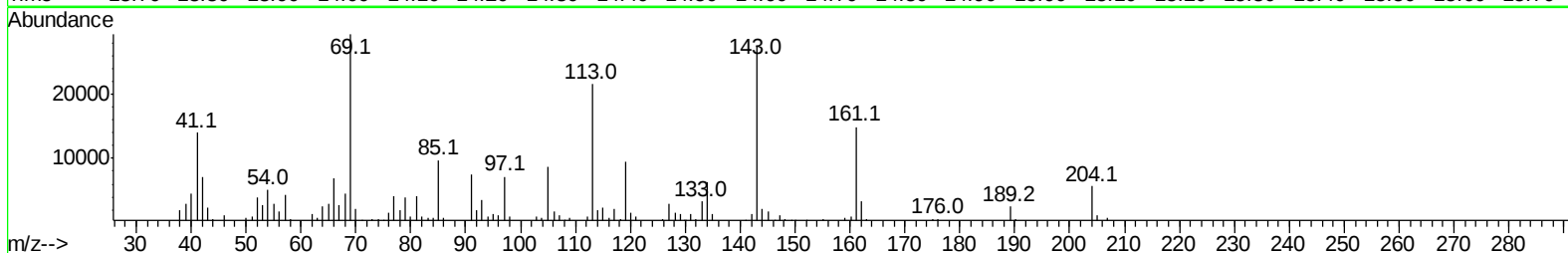
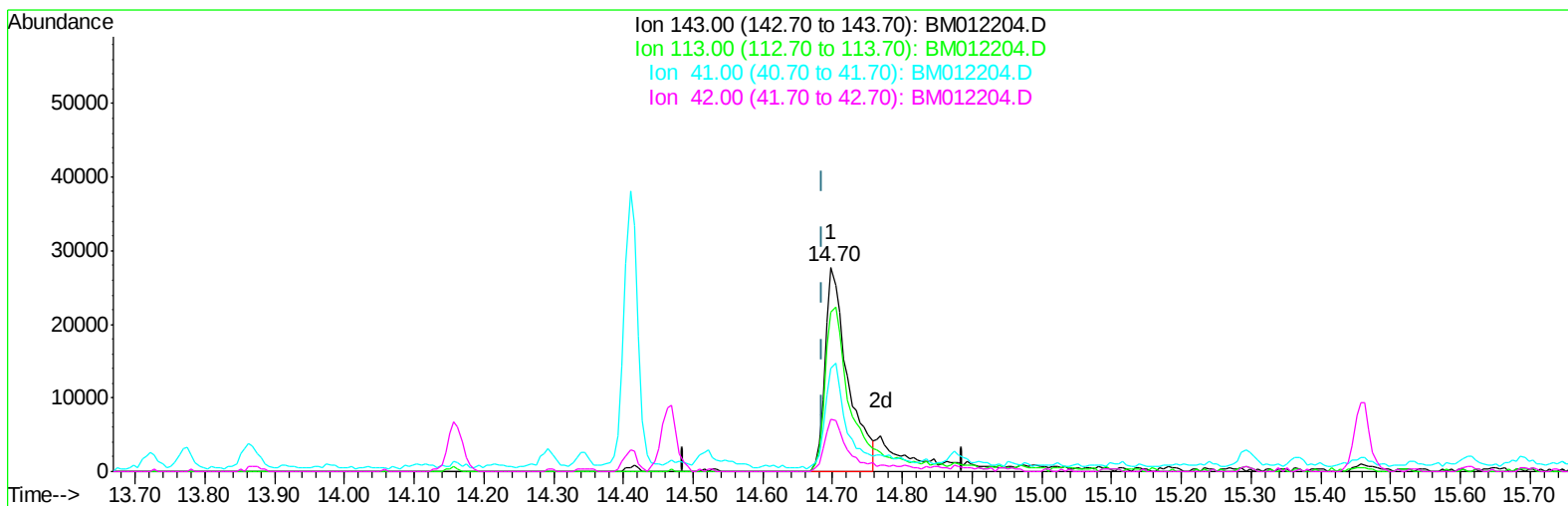
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Quant Time: Oct 16 02:37:06 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM



TIC: BM012204.D

(51) 4-Nitrophenol-d4 (S)

14.698min (+0.012) 11.38ng/ul

response 62454

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	77.87#
41.00	34.80	50.65#
42.00	20.50	25.76#

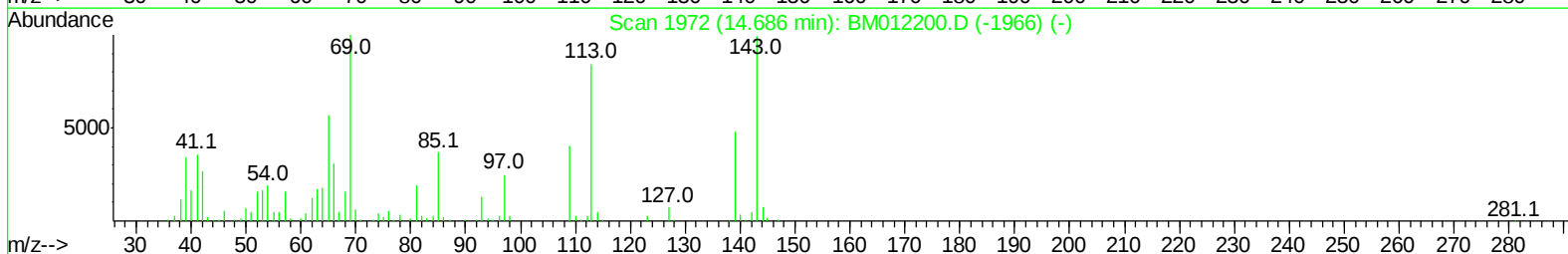
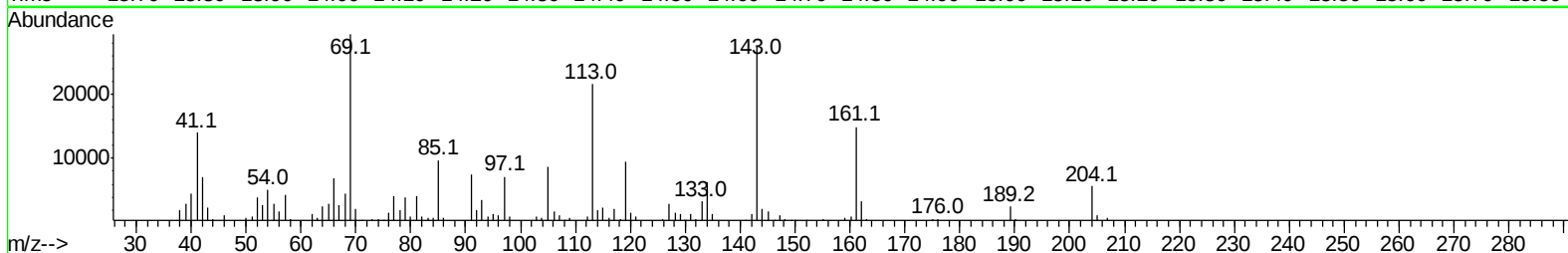
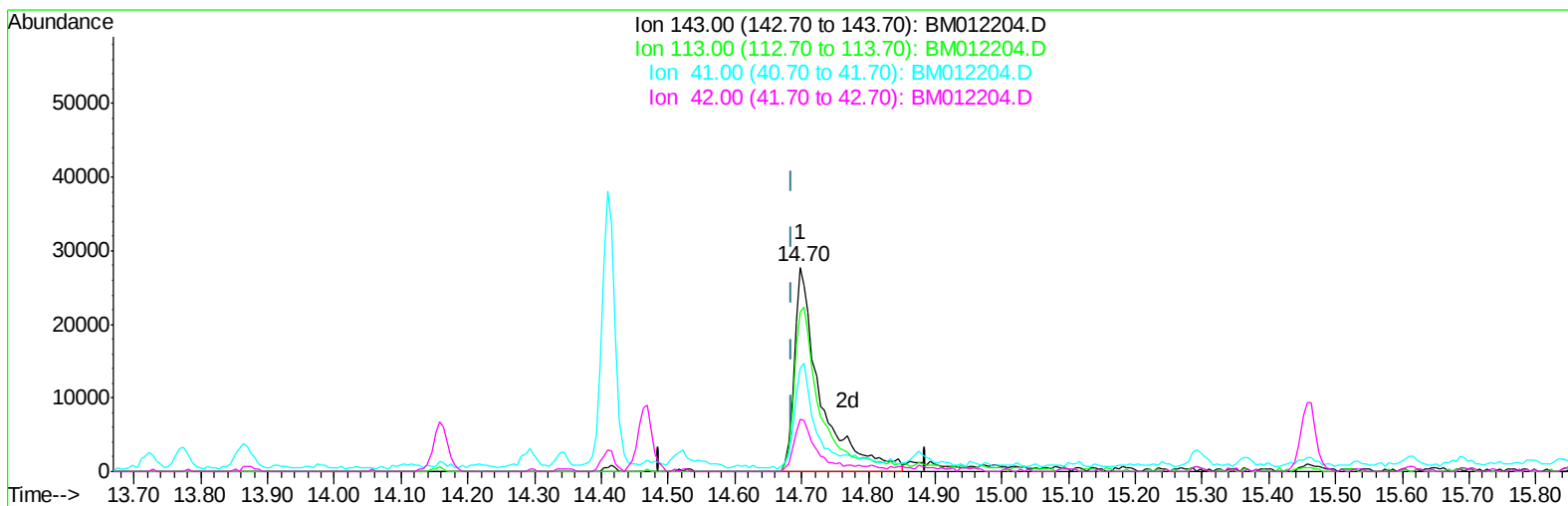
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Quant Time: Oct 16 02:37:06 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM



TIC: BM012204.D

(51) 4-Nitrophenol-d4 (S)

14.698min (+0.012) 13.72ng/ul m

response 75270

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	77.87#
41.00	34.80	50.65#
42.00	20.50	25.76#

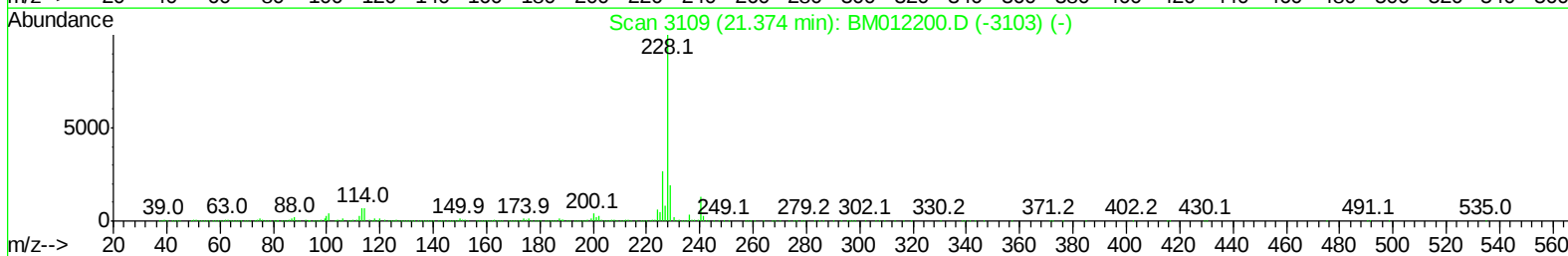
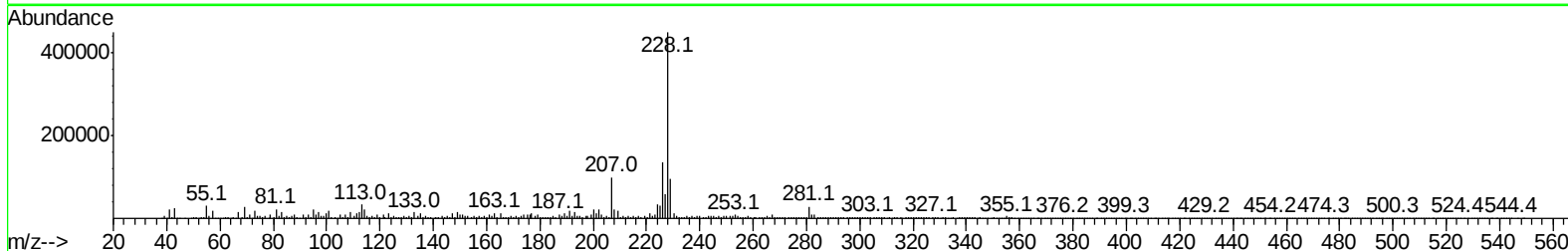
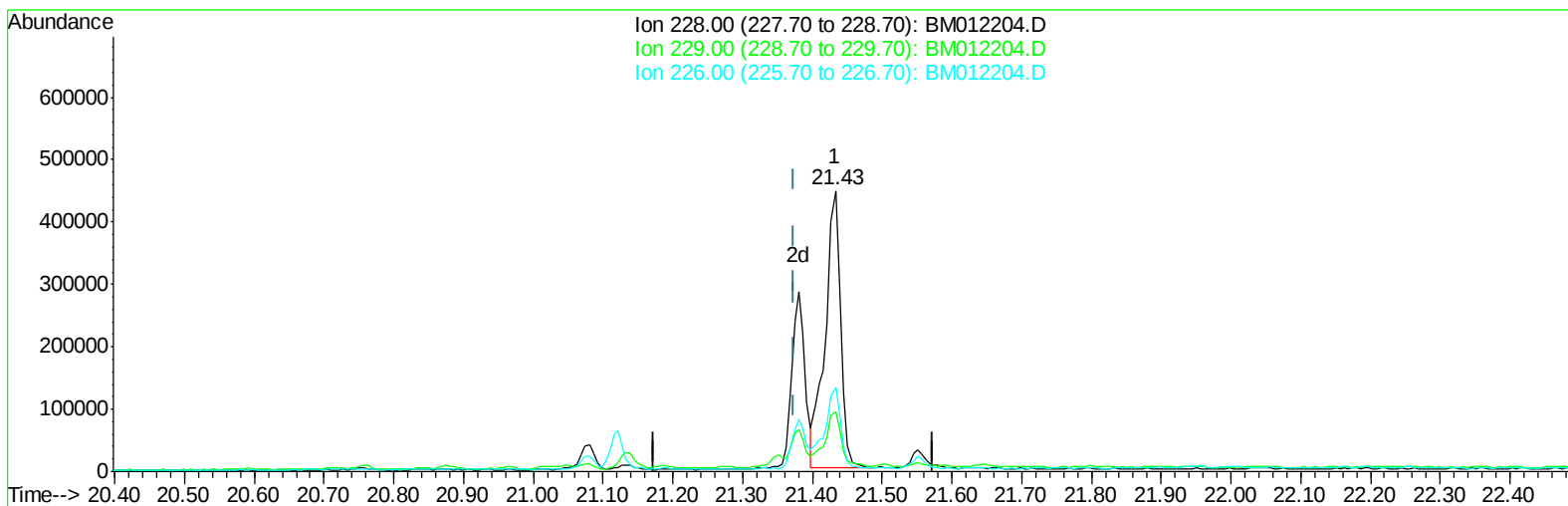
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:38:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(80) Benzo(a)anthracene
21.433min (+0.059) 12.88ng/ul
response 680016

Ion	Exp%	Act%
228.00	100	100
229.00	19.20	21.33
226.00	26.70	30.08
0.00	0.00	0.00

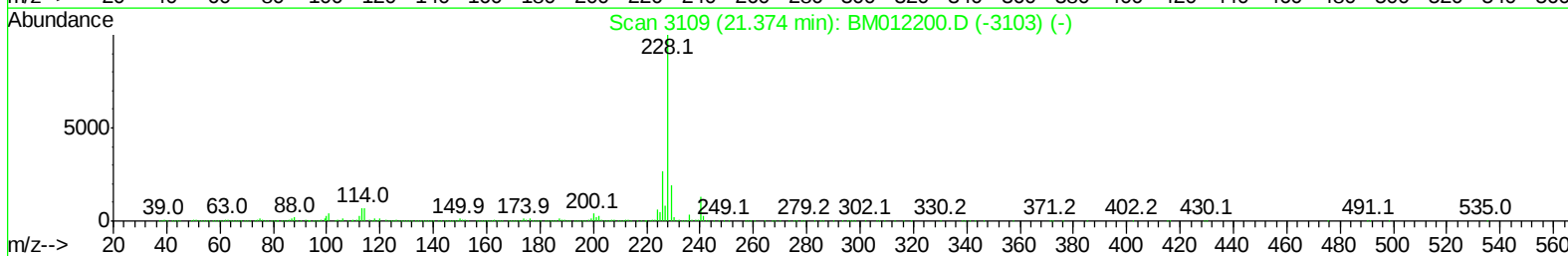
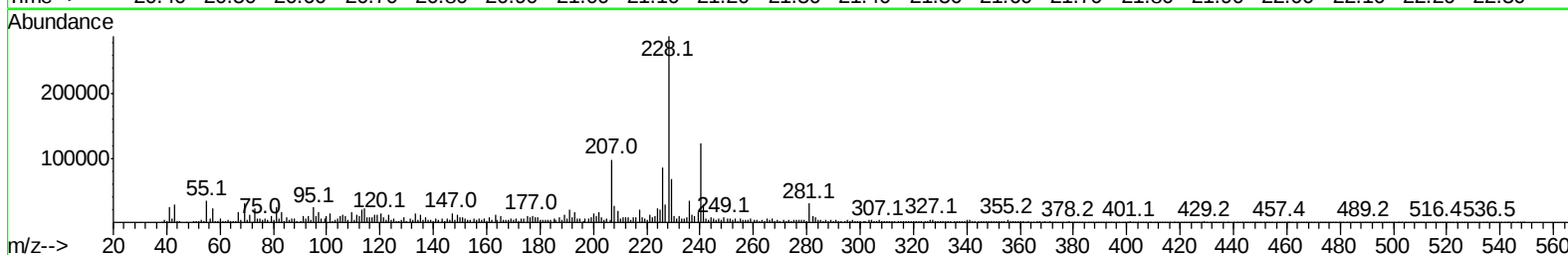
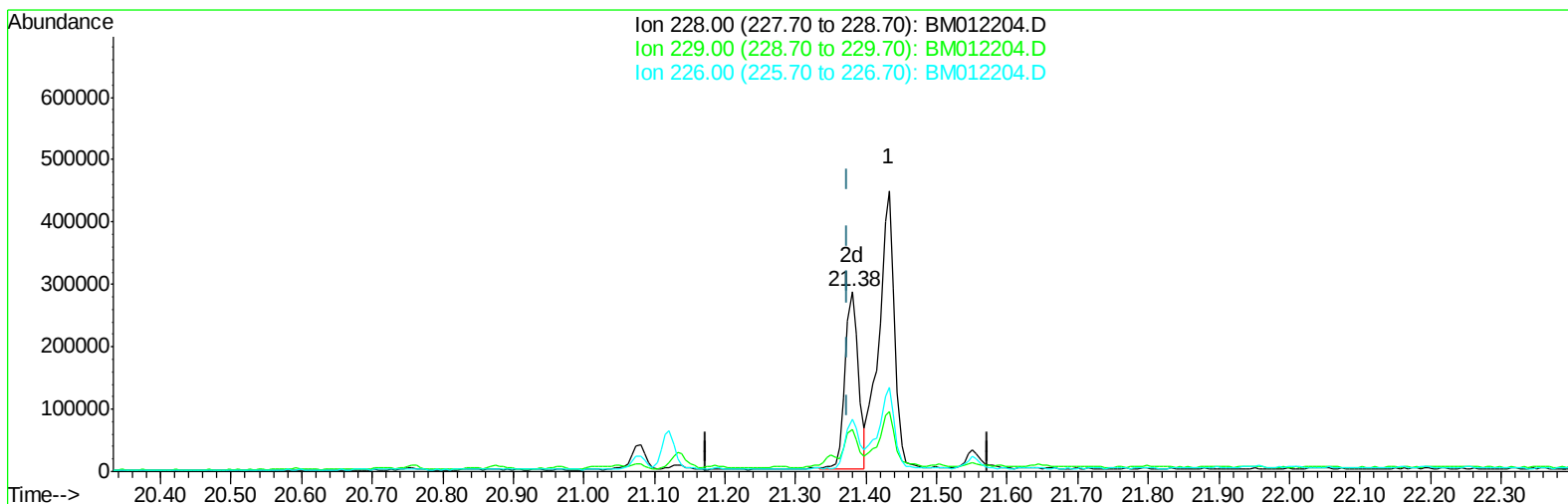
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:38:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(80) Benzo(a)anthracene

21.380min (+0.006) 7.26ng/ul m

response 383464

Ion	Exp%	Act%
228.00	100	100
229.00	19.20	23.15#
226.00	26.70	29.27
0.00	0.00	0.00

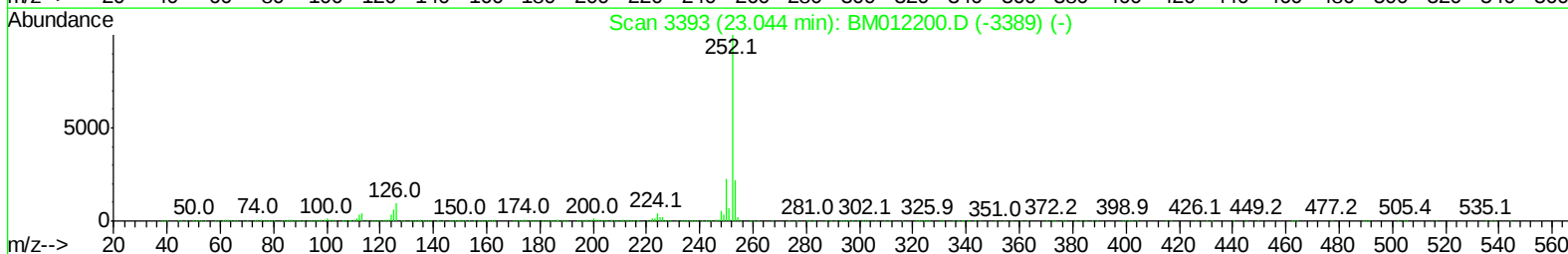
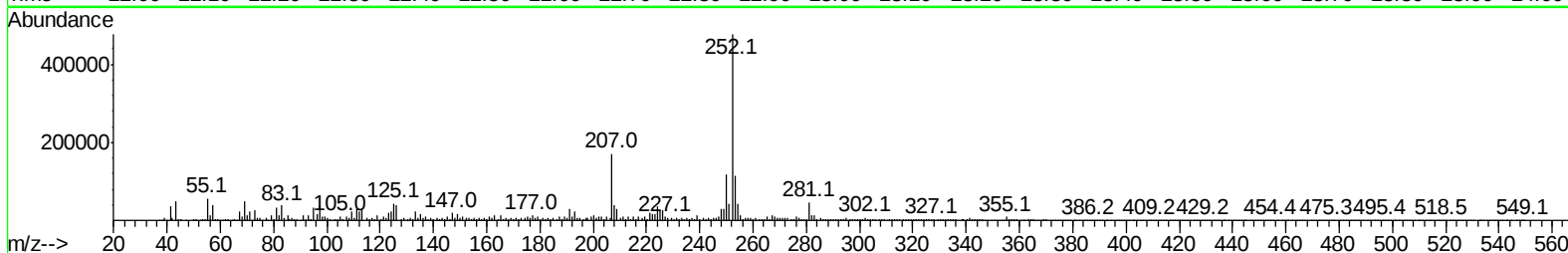
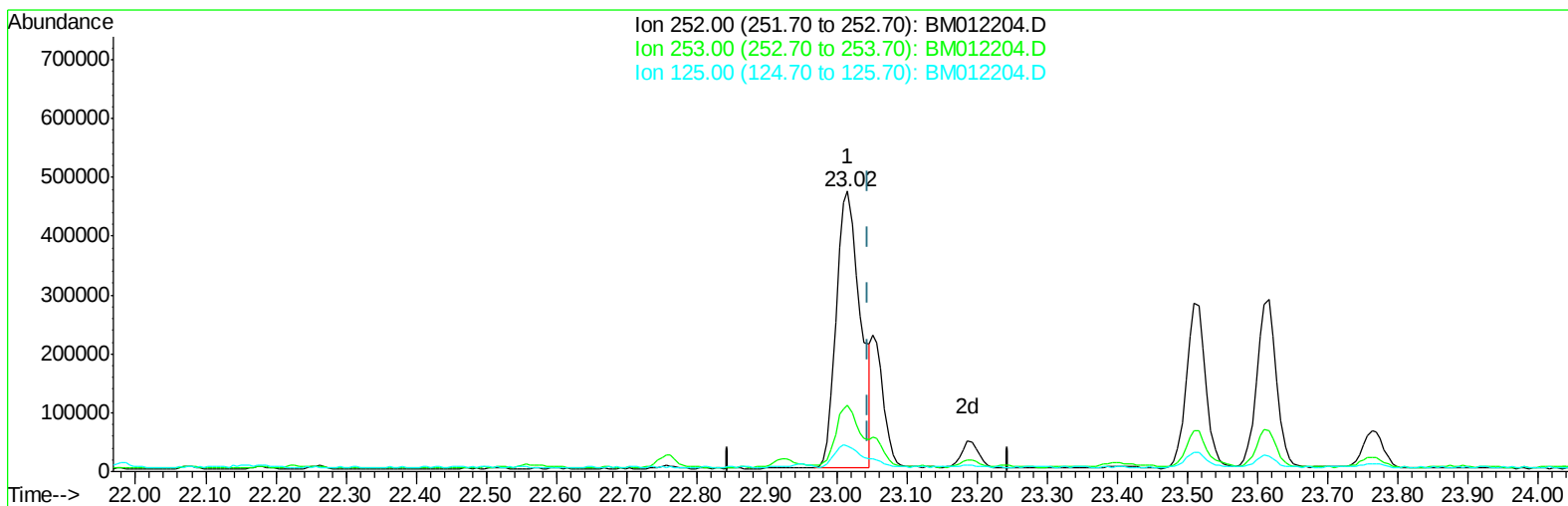
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:38:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(86) Benzo(k)fluoranthene

23.015min (-0.029) 23.61ng/ul

response 1111377

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.74
125.00	4.30	9.32#
0.00	0.00	0.00

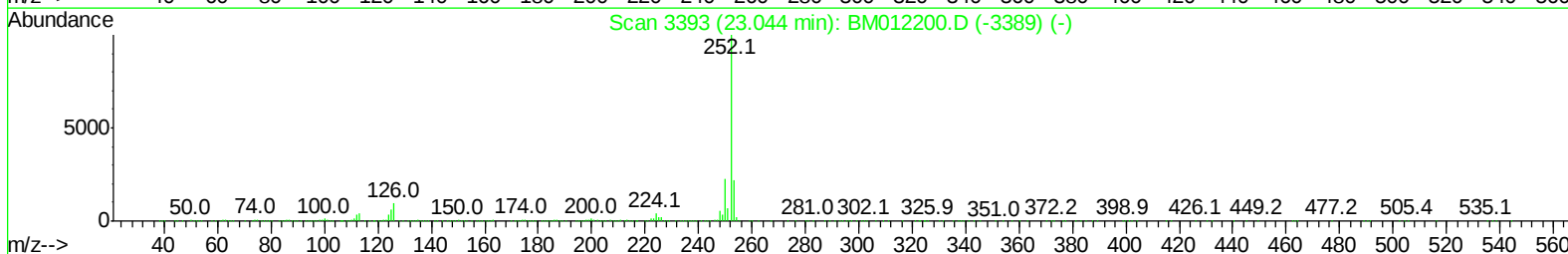
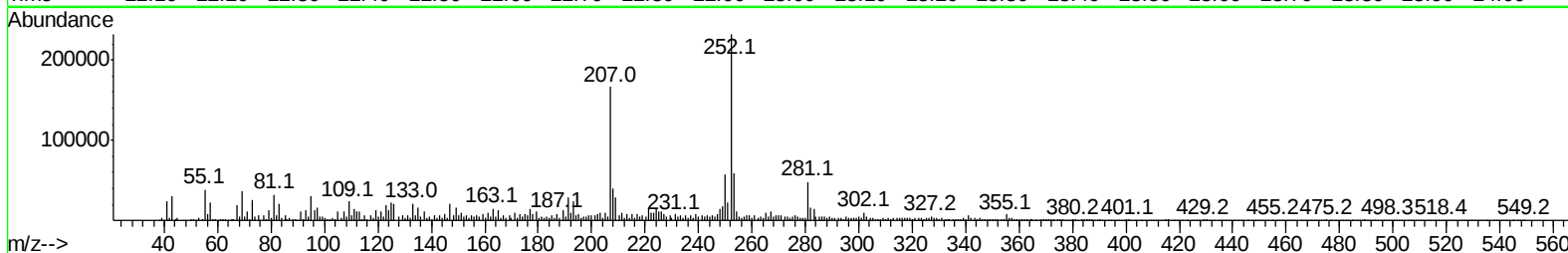
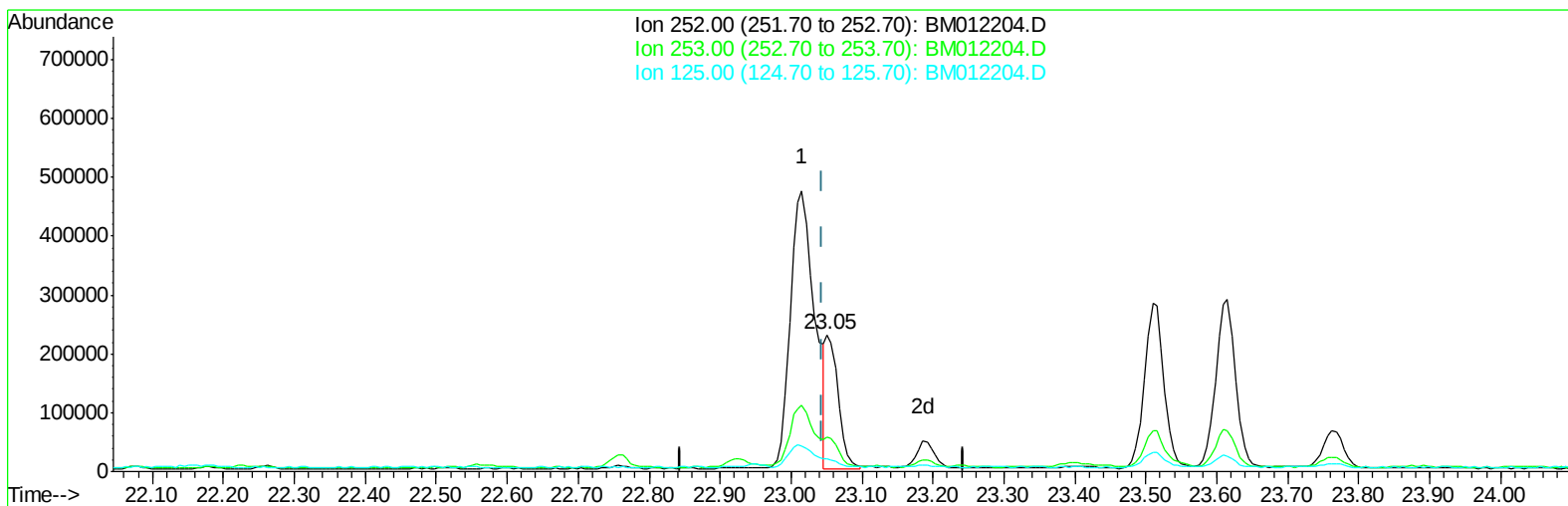
Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:38:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration



TIC: BM012204.D

(86) Benzo(k)fluoranthene

23.051min (+0.006) 6.07ng/ul m

response 285689

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	25.63
125.00	4.30	9.74#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
 Data File : BM012204.D
 Acq On : 15 Oct 2017 12:11
 Operator : SJ/JU
 Sample : I5548-13
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

Sohil
 10/16/2017 7:48:51 PM

Quant Time: Oct 16 02:40:44 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 16 01:56:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	152260	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	647061	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	412958	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	972482	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	811411	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	748641	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	9305m	2.90	ng/uL	0.00
5) Phenol-d5	6.99	99	196141	15.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	107996	14.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	182310	17.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	160388	15.08	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	85044	17.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	99102	17.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	203623	18.49	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	89270m	8.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	678679	18.59	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	850762	19.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	75270m	13.72	ng/ul	0.01
57) Fluorene-d10	15.46	176	603658	20.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	25713	3.85	ng/ul	0.01
70) Anthracene-d10	17.32	188	931772	19.38	ng/ul	0.00
76) Pyrene-d10	19.61	212	938753	22.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	687573	19.05	ng/ul	0.01

Target Compounds

				Ovalue	
6) Phenol	7.02	94	20524m	1.607	ng/ul
44) Dimethylphthalate	13.92	163	289556	7.919	ng/ul 99
69) Phenanthrene	17.26	178	185075	3.345	ng/ul 99
74) Fluoranthene	19.27	202	957512	14.342	ng/ul# 96
77) Pyrene	19.64	202	817110	15.248	ng/ul# 96
80) Benzo(a)anthracene	21.38	228	383464m	7.263	ng/ul
81) Bis(2-ethylhexyl)phthalate	21.29	149	663323	18.532	ng/ul 100
82) Chrysene	21.43	228	680016	13.718	ng/ul 97
85) Benzo(b)fluoranthene	23.02	252	1111377	22.748	ng/ul# 95
86) Benzo(k)fluoranthene	23.05	252	285689m	6.068	ng/ul
88) Benzo(a)pyrene	23.62	252	551821	11.984	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	26.09	276	511261	10.456	ng/ul# 96
90) Dibenzo(a,h)anthracene	26.08	278	119298	2.902	ng/ul# 71
91) Benzo(g,h,i)perylene	26.82	276	482558	12.049	ng/ul# 93

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

Data Path : Z:\HPCHEM1\BNA M\Data\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC9

Quant Time: Oct 16 02:40:44 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/16/2017 7:48:51 PM

