

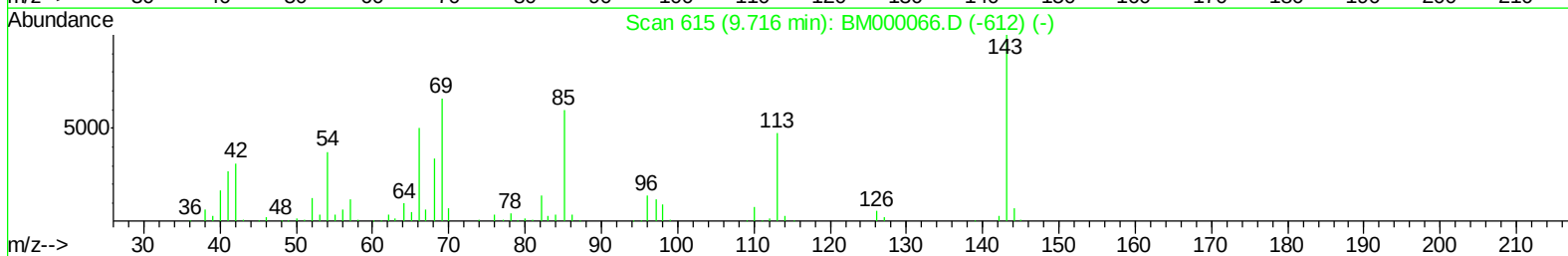
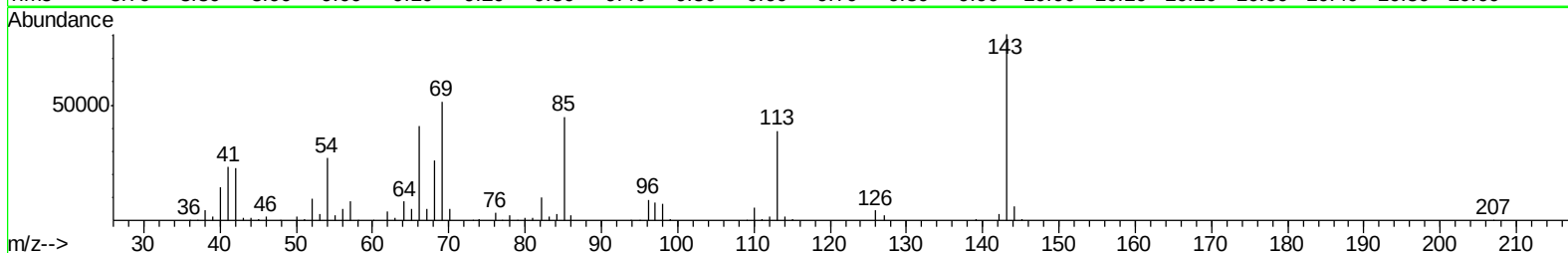
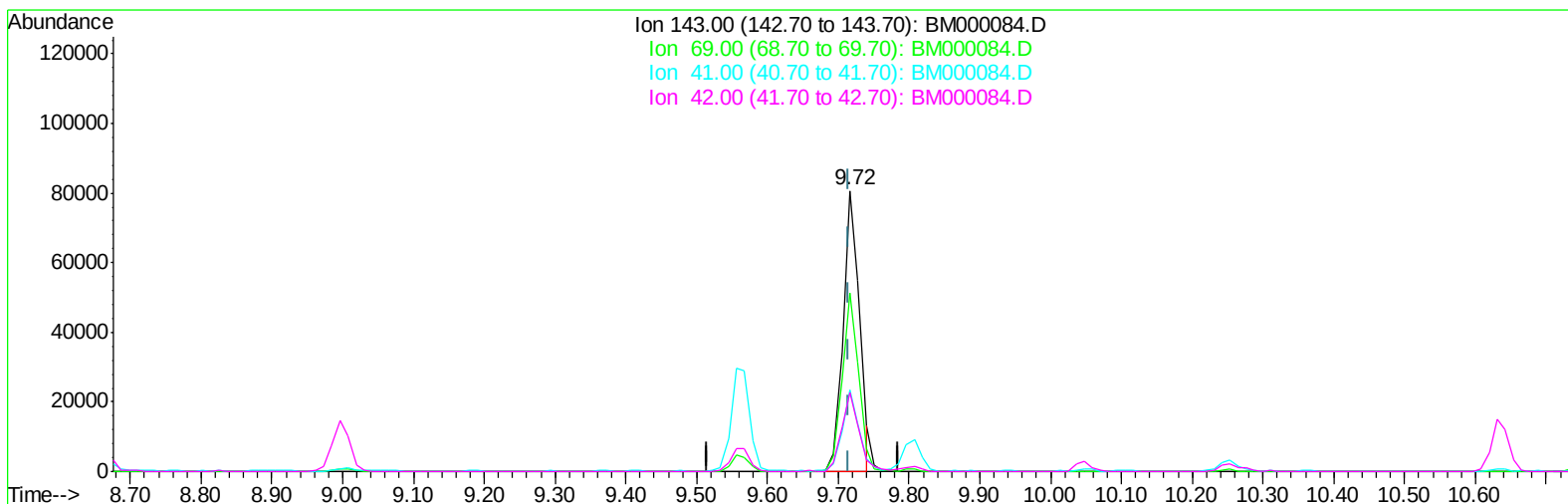
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(22) 2-Nitrophenol-d4 (S)
9.716min (-0.000) 20.90ng/ul

response 129300

Ion	Exp%	Act%
143.00	100	100
69.00	59.80	63.86
41.00	24.30	28.97
42.00	25.10	28.24

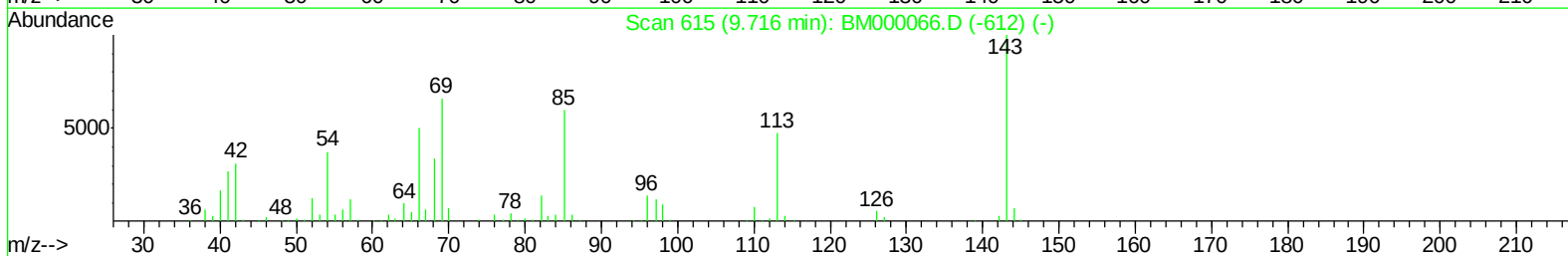
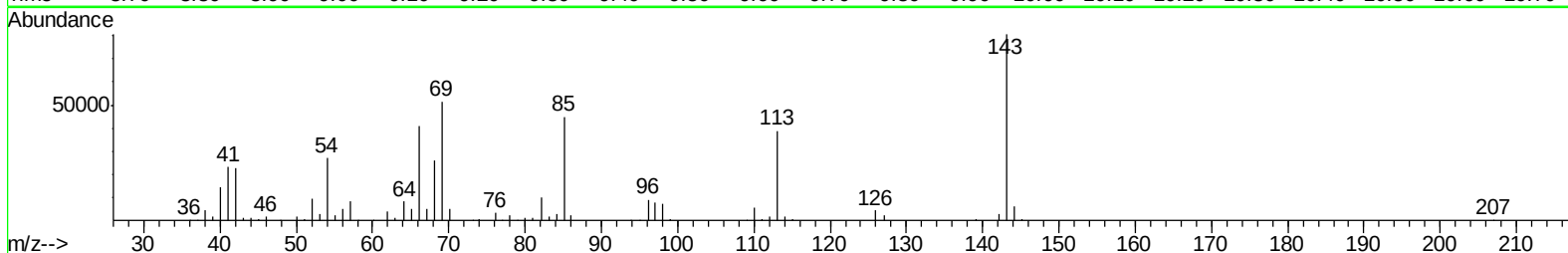
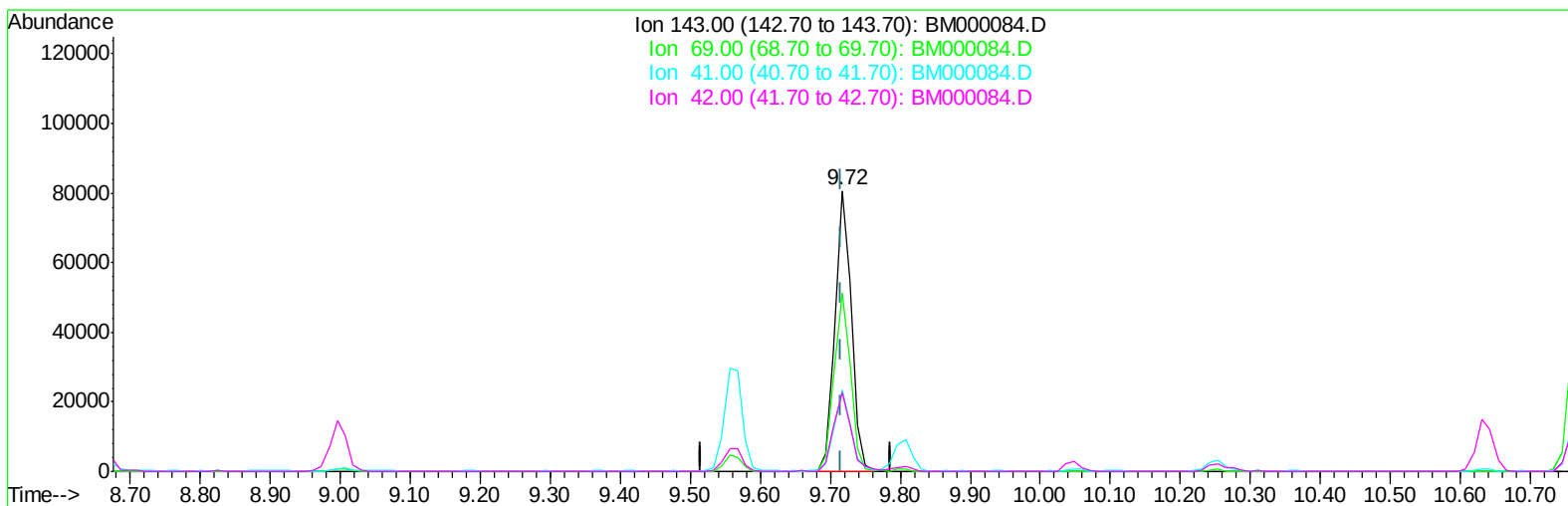
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(22) 2-Nitrophenol-d4 (S)

9.716min (-0.000) 21.13ng/ul m

response 130716

Ion	Exp%	Act%
143.00	100	100
69.00	59.80	63.86
41.00	24.30	28.97
42.00	25.10	28.24

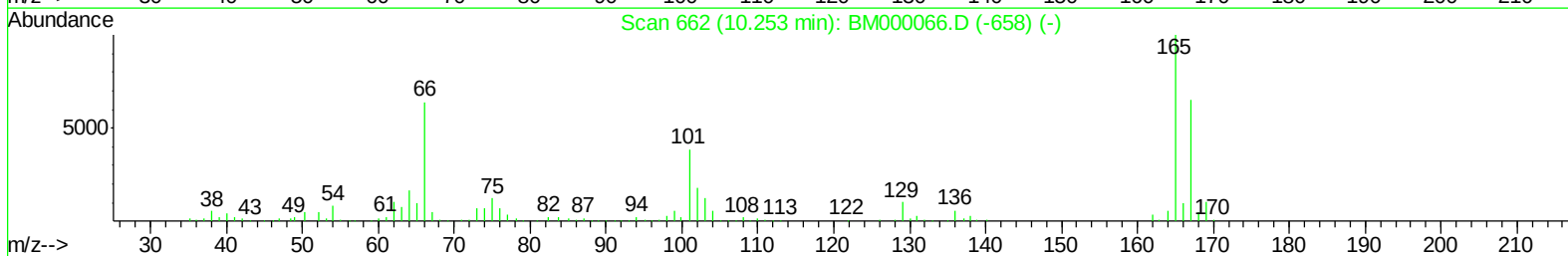
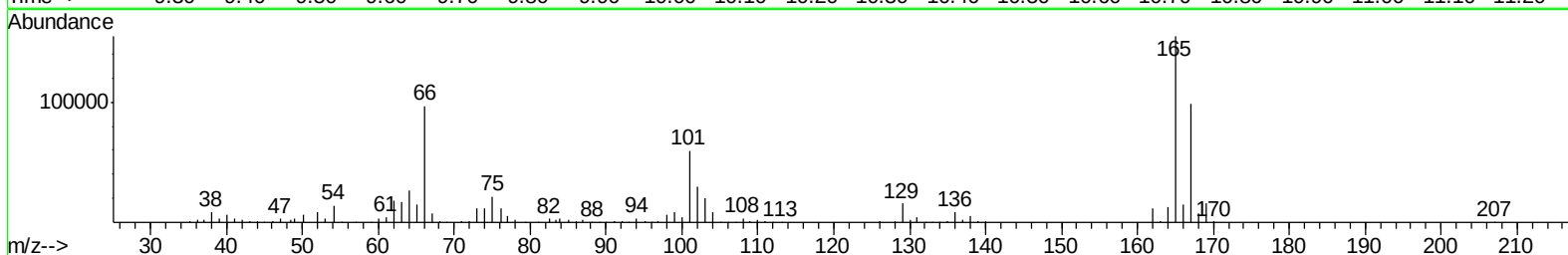
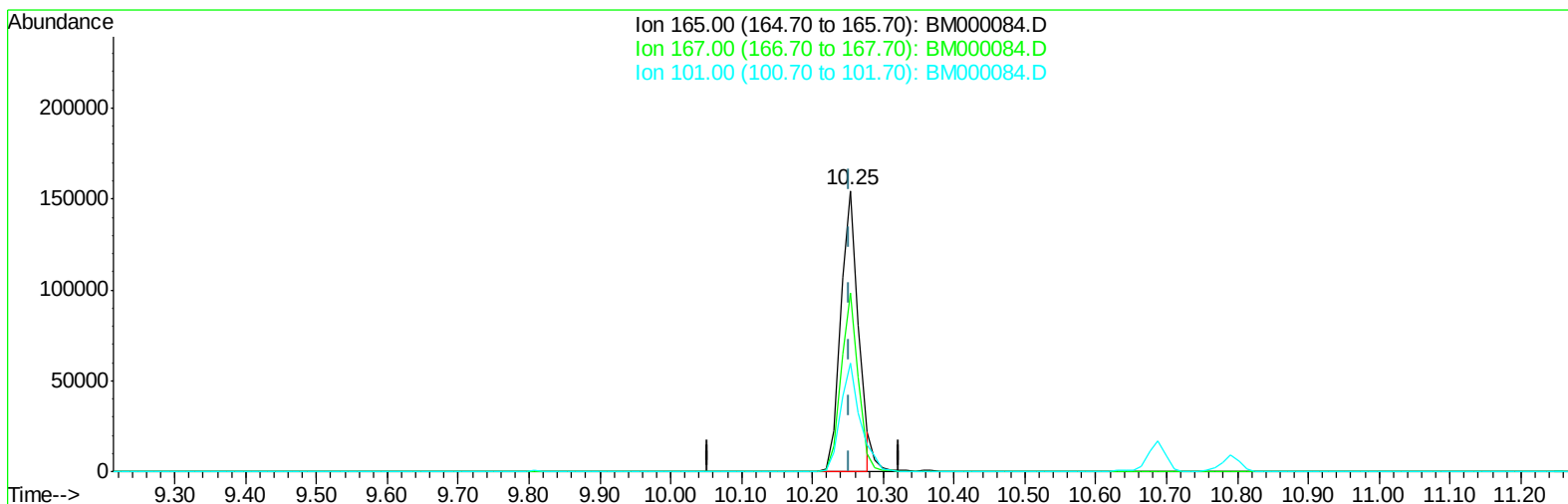
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(26) 2,4-Dichlorophenol-d3 (S)

10.253min (-0.000) 19.35ng/ul

response 265937

Ion	Exp%	Act%
165.00	100	100
167.00	63.00	63.49
101.00	38.90	38.67
0.00	0.00	0.00

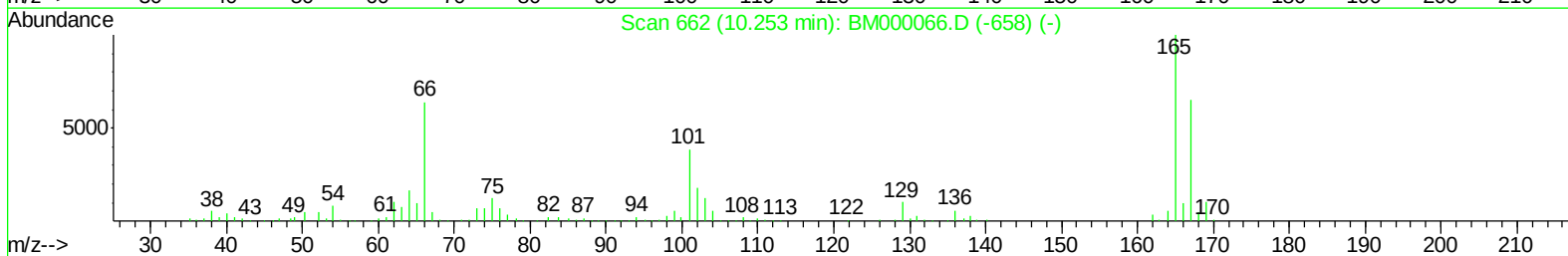
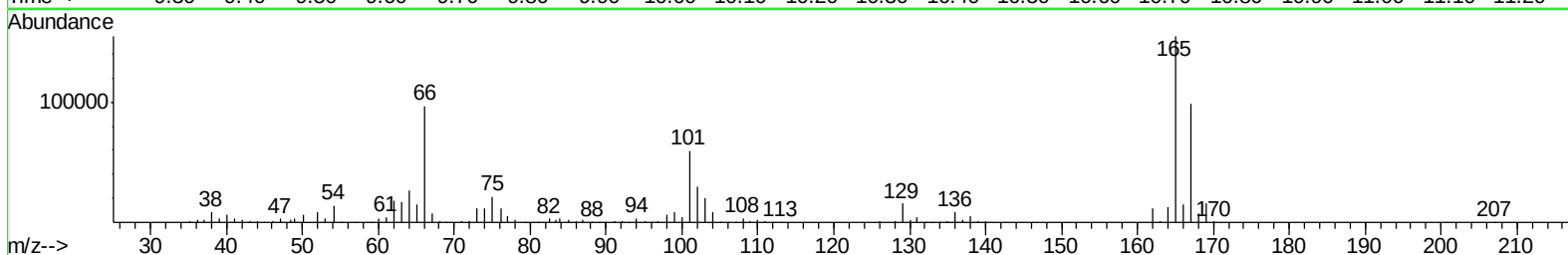
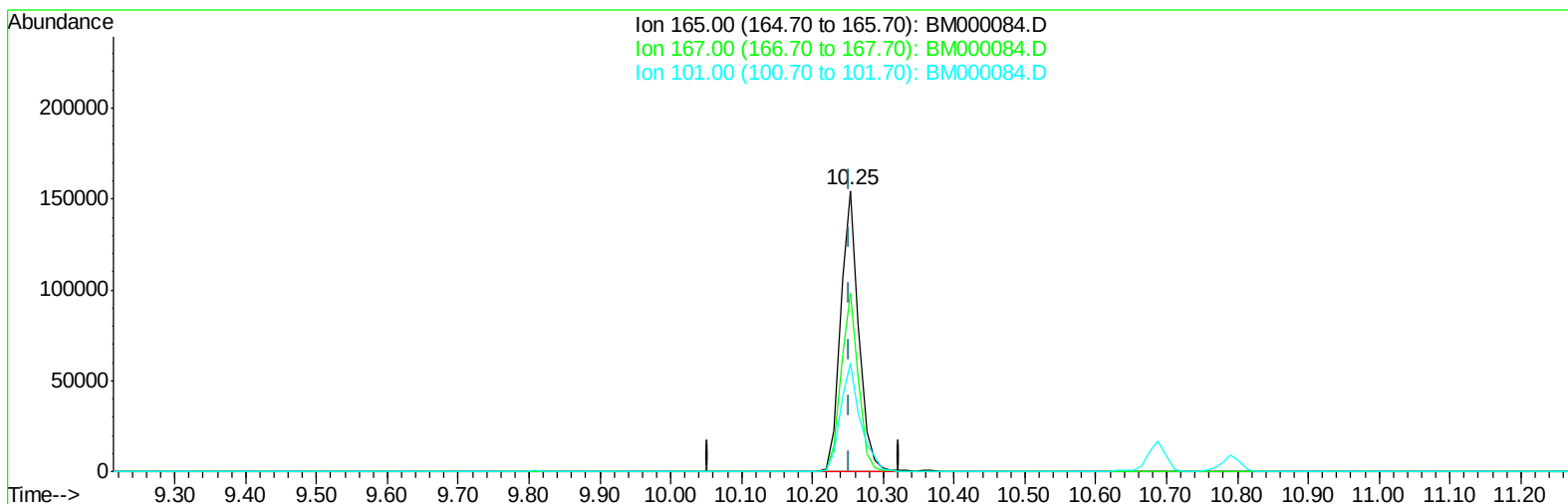
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(26) 2,4-Dichlorophenol-d3 (S)

10.253min (-0.000) 19.86ng/ul m

response 273004

Ion	Exp%	Act%
165.00	100	100
167.00	63.00	63.49
101.00	38.90	38.67
0.00	0.00	0.00

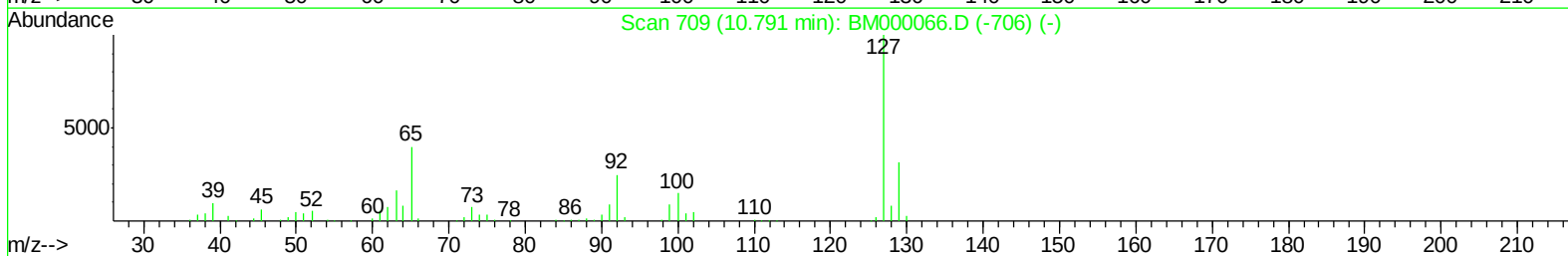
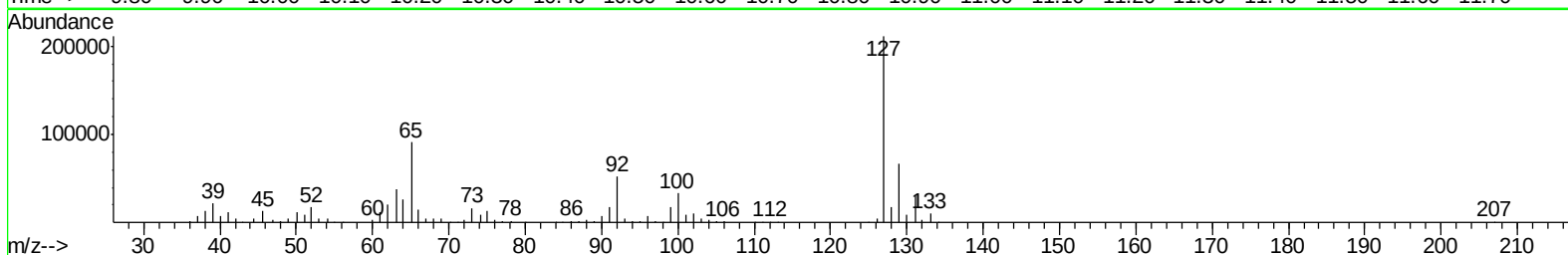
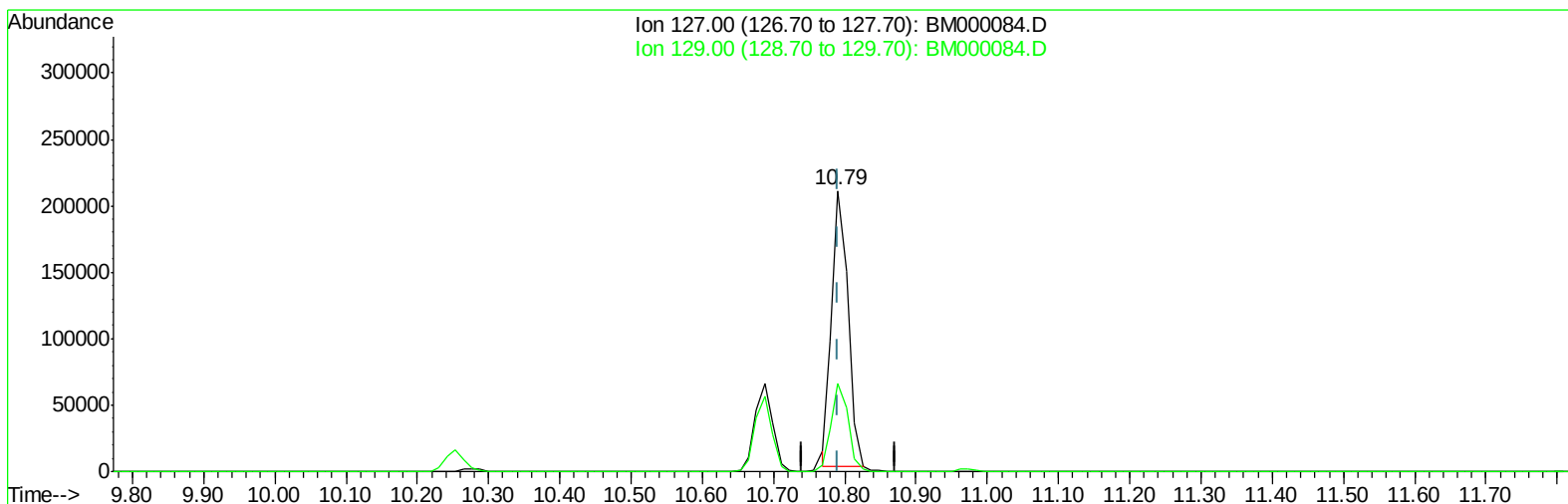
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(30) 4-Chloroaniline

10.791min (-0.000) 20.56ng/ul

response 330144

Ion	Exp%	Act%
127.00	100	100
129.00	33.10	31.41
0.00	0.00	0.00
0.00	0.00	0.00

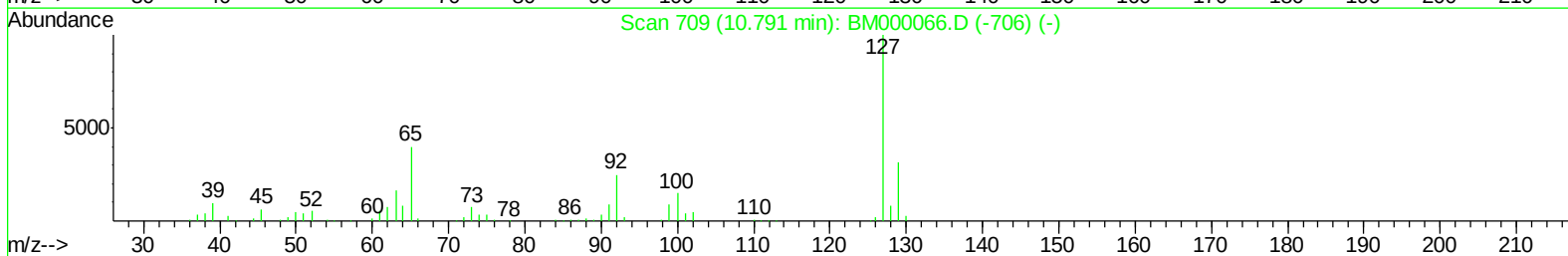
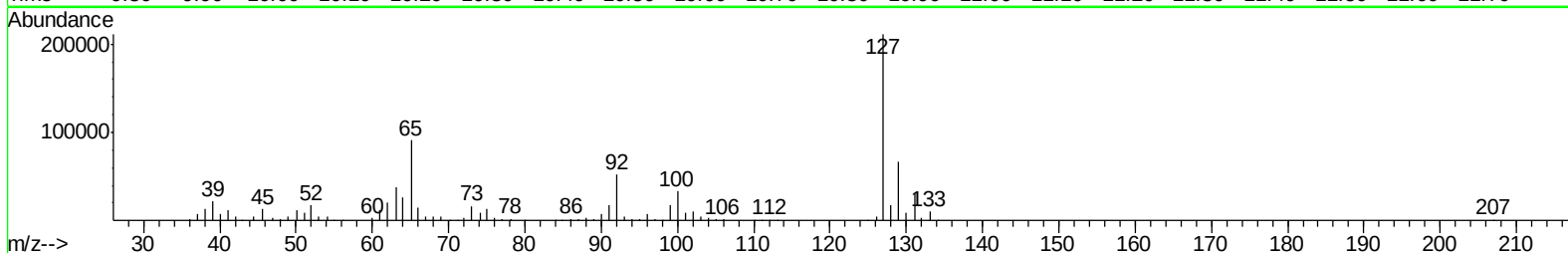
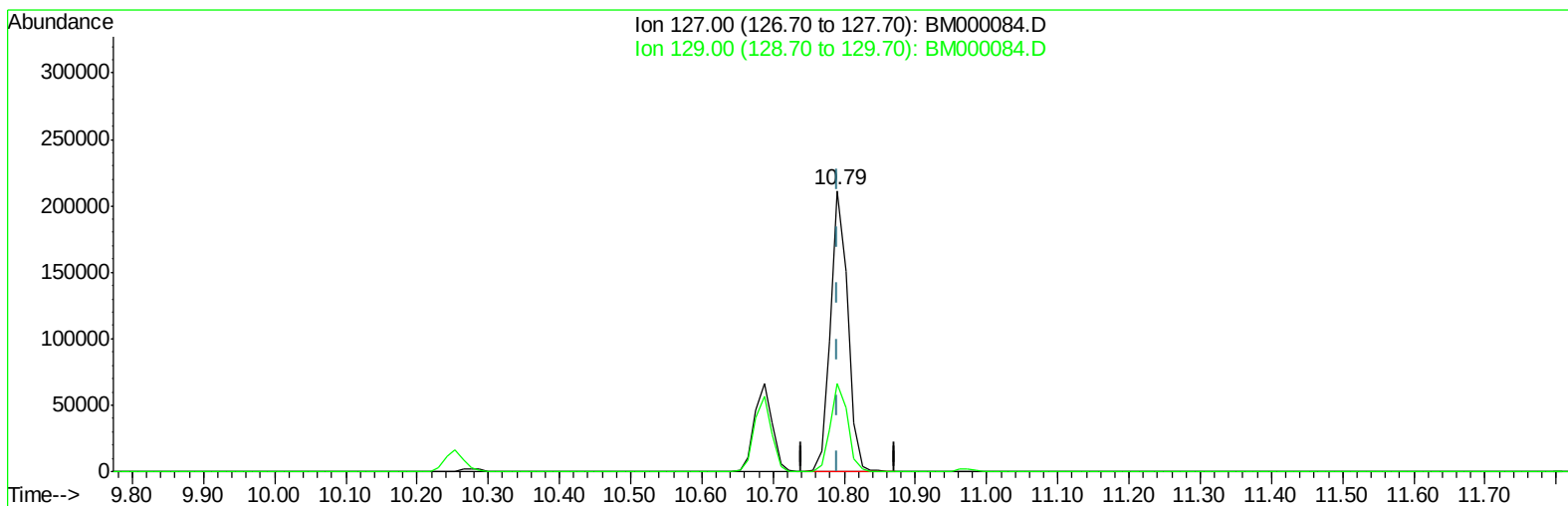
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(30) 4-Chloroaniline

10.791min (-0.000) 22.16ng/ul m

response 355952

Ion	Exp%	Act%
127.00	100	100
129.00	33.10	31.41
0.00	0.00	0.00
0.00	0.00	0.00

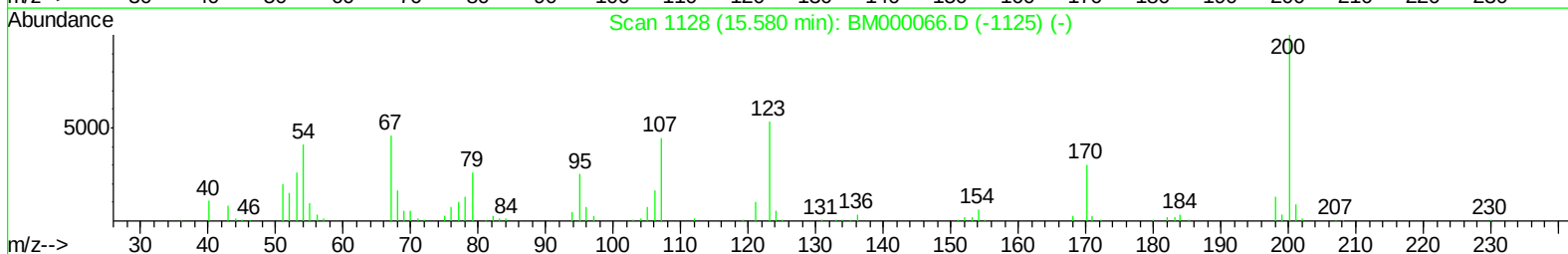
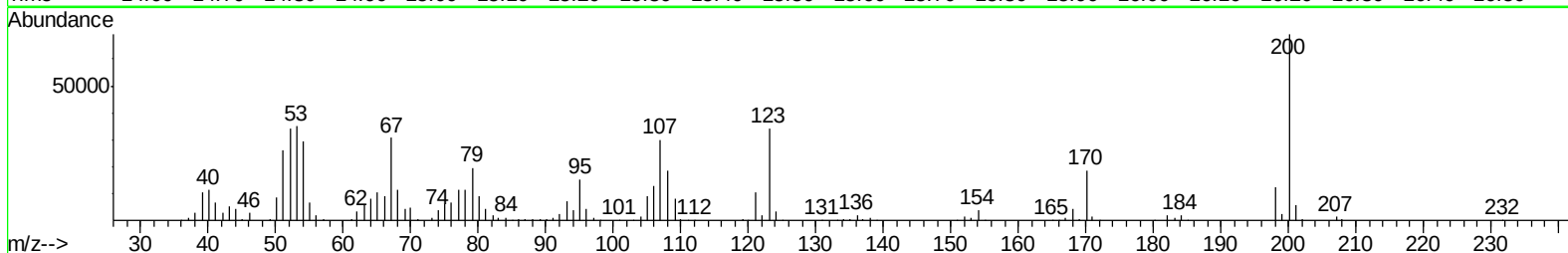
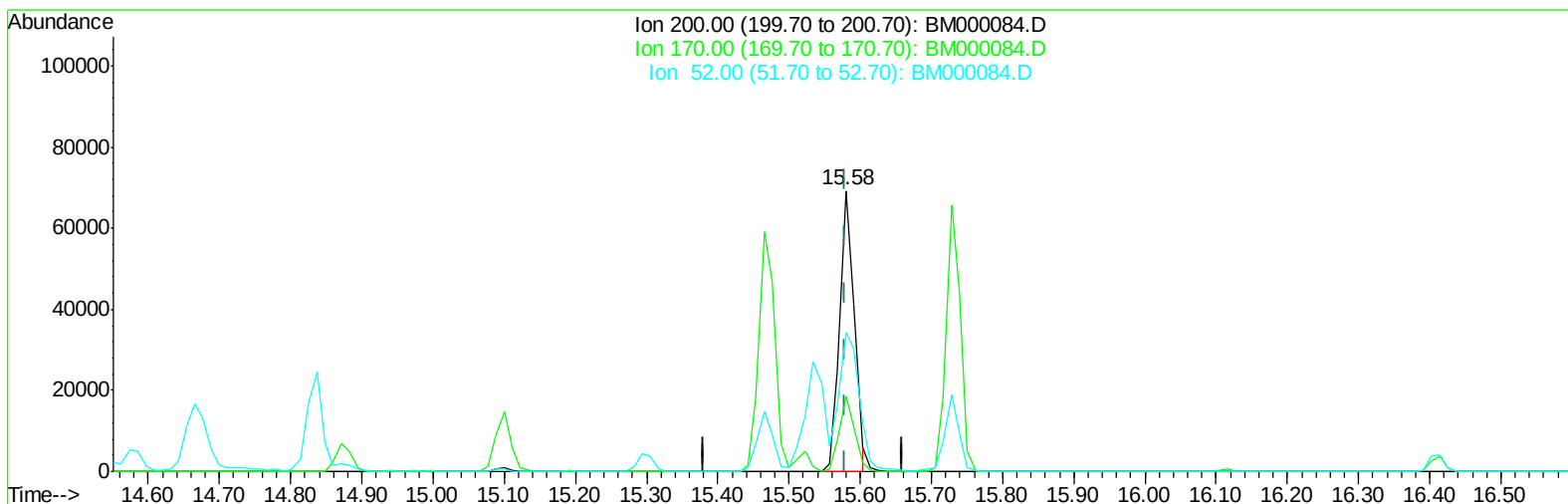
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.580min (-0.000) 16.39ng/ul

response 97880

Ion	Exp%	Act%
200.00	100	100
170.00	25.20	27.04
52.00	58.20	49.43
0.00	0.00	0.00

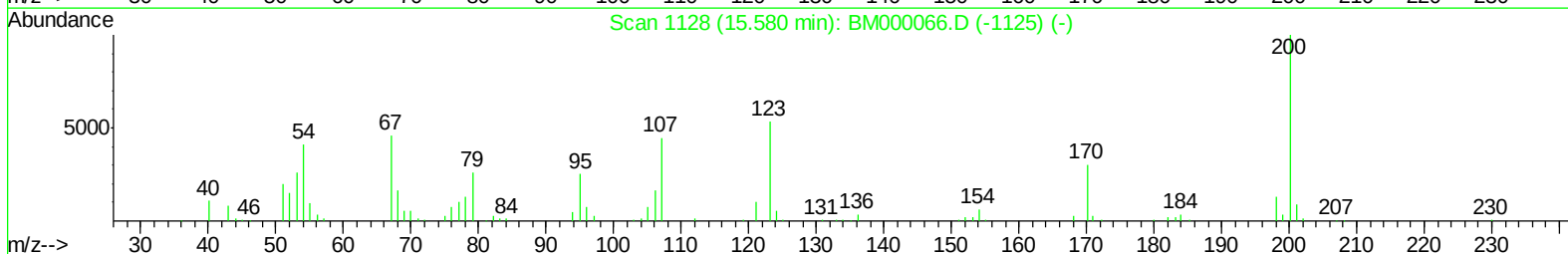
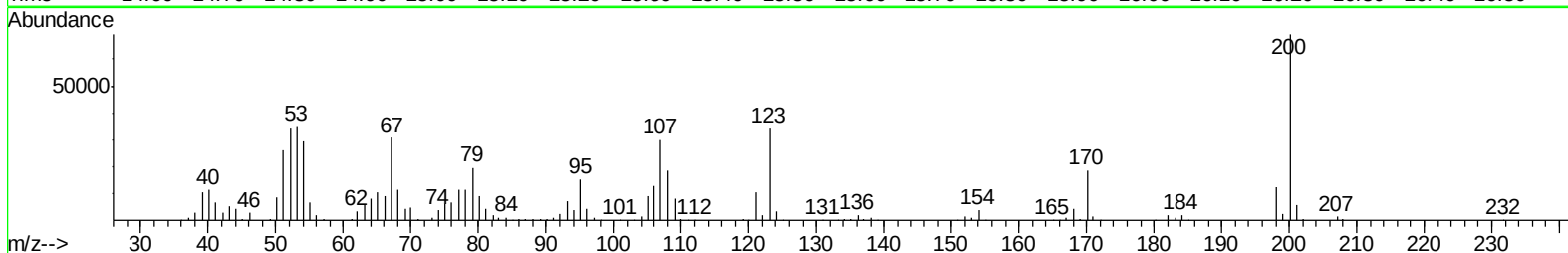
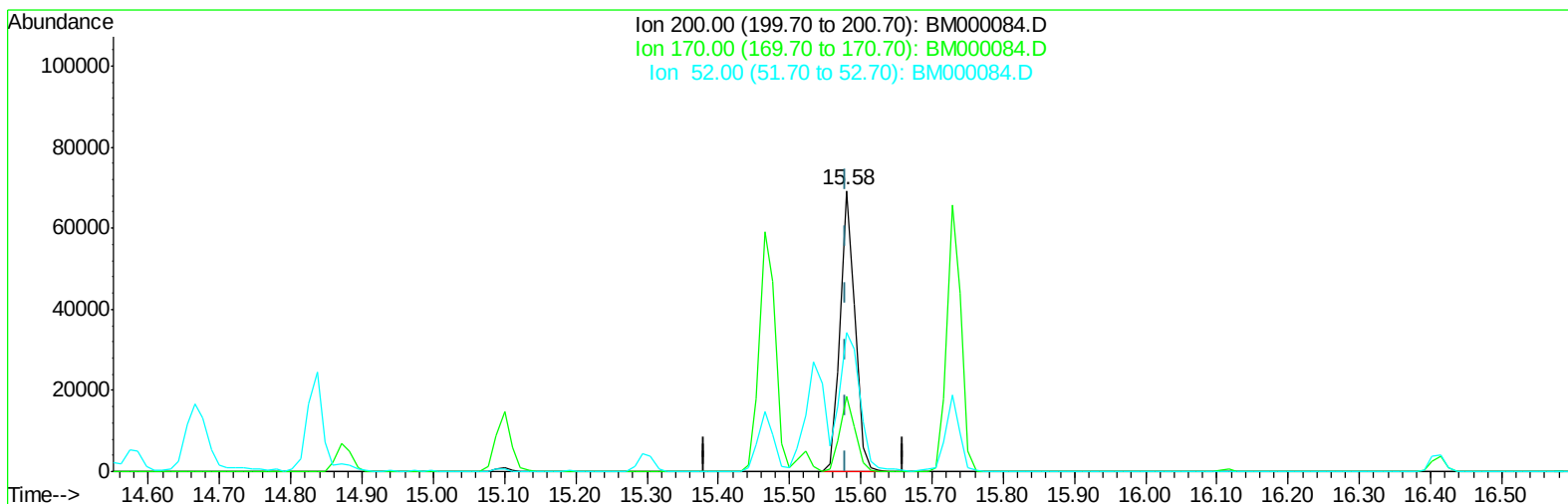
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.580min (-0.000) 16.55ng/ul m

response 98850

Ion	Exp%	Act%
200.00	100	100
170.00	25.20	27.04
52.00	58.20	49.43
0.00	0.00	0.00

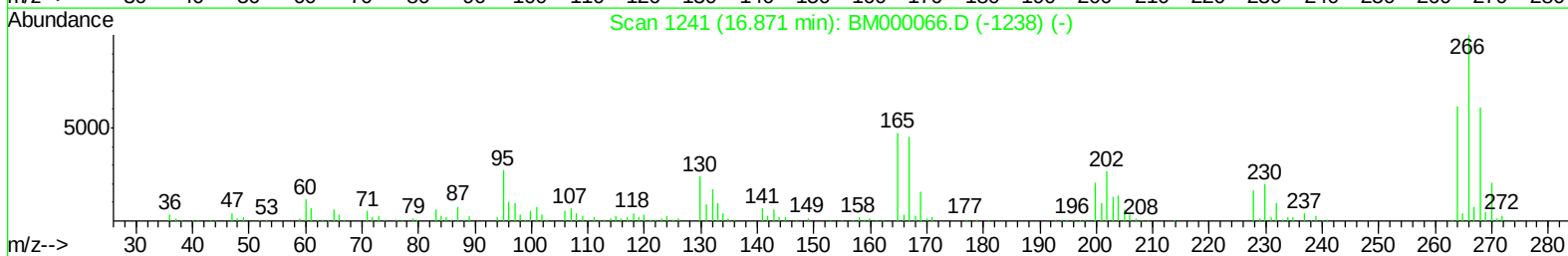
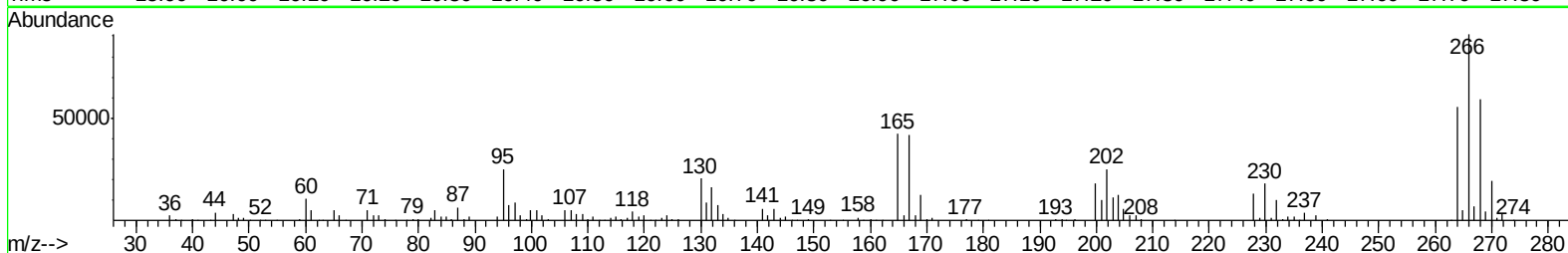
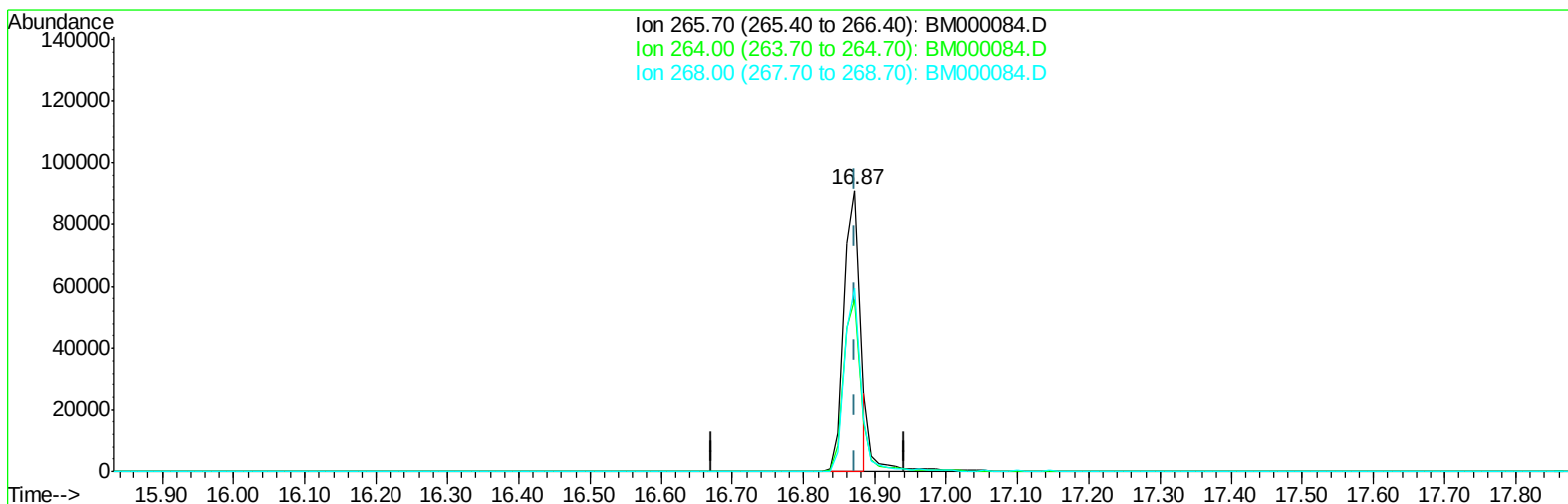
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(68) Pentachlorophenol (C)

16.871min (-0.000) 16.17ng/ul

response 139163

Ion	Exp%	Act%
265.70	100	100
264.00	62.20	61.37
268.00	60.30	65.32
0.00	0.00	0.00

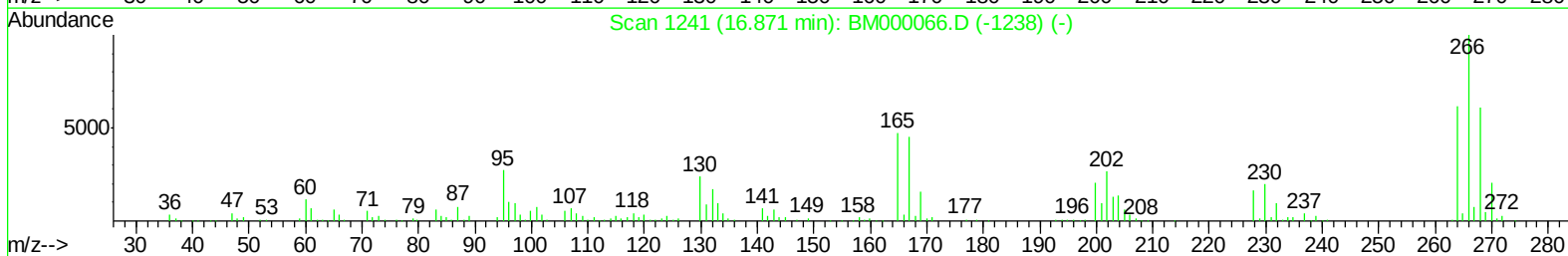
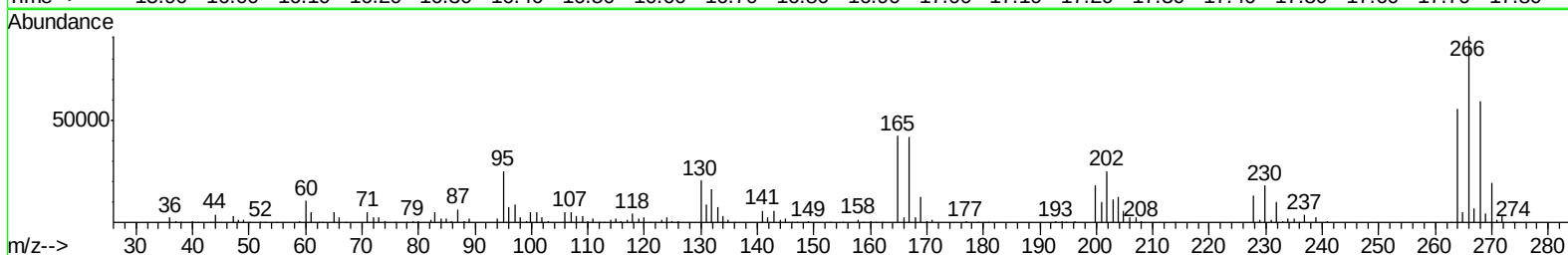
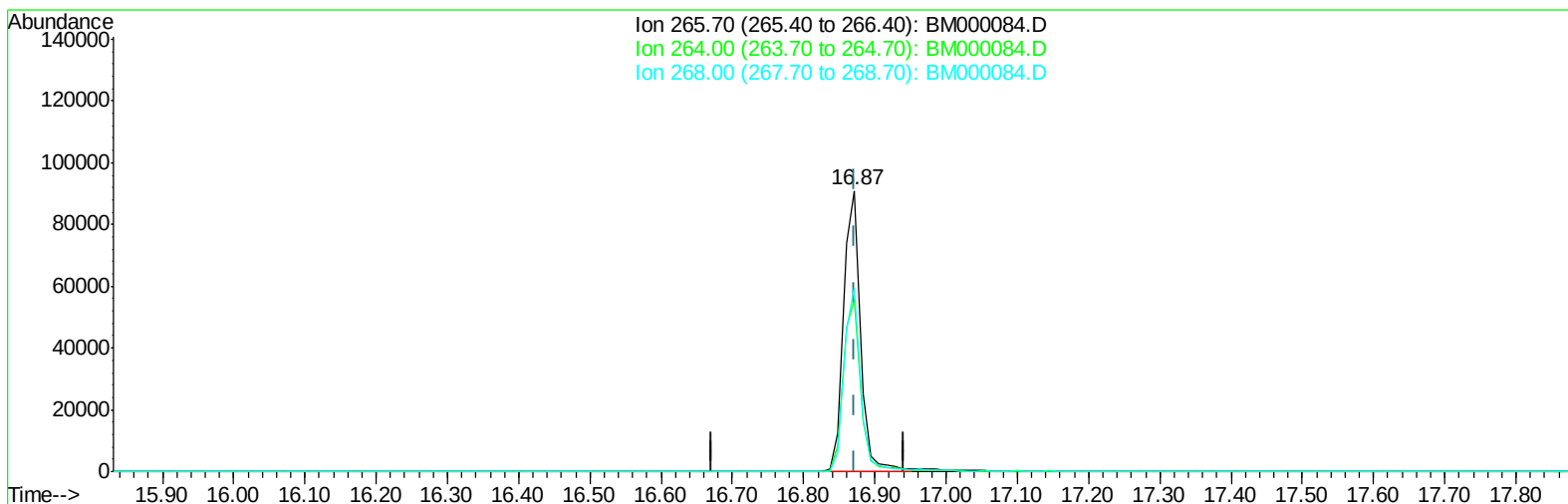
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(68) Pentachlorophenol (C)

16.871min (-0.000) 17.19ng/ul m

response 147924

Ion	Exp%	Act%
265.70	100	100
264.00	62.20	61.37
268.00	60.30	65.32
0.00	0.00	0.00

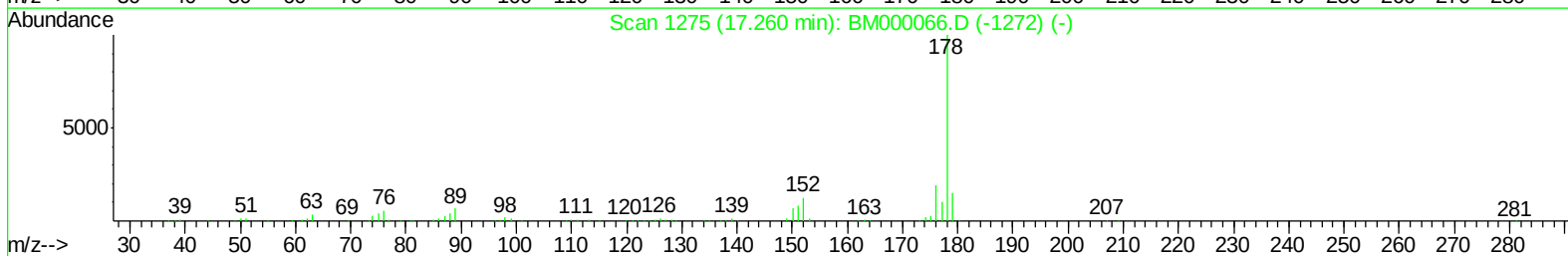
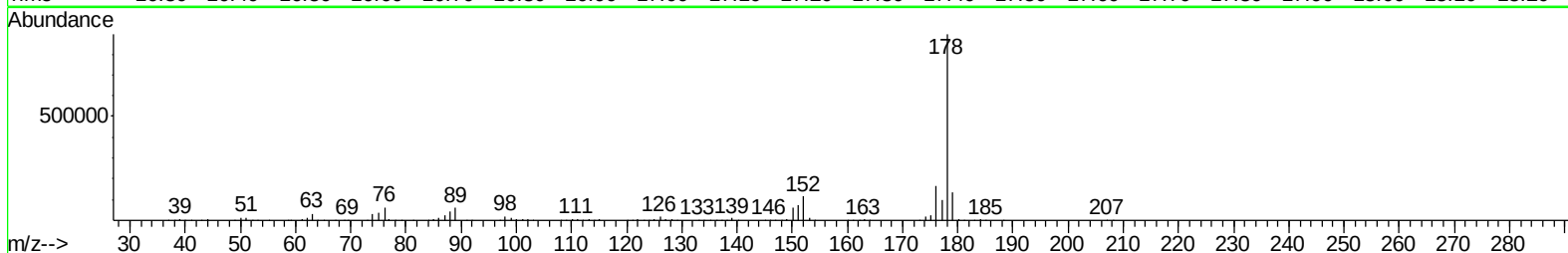
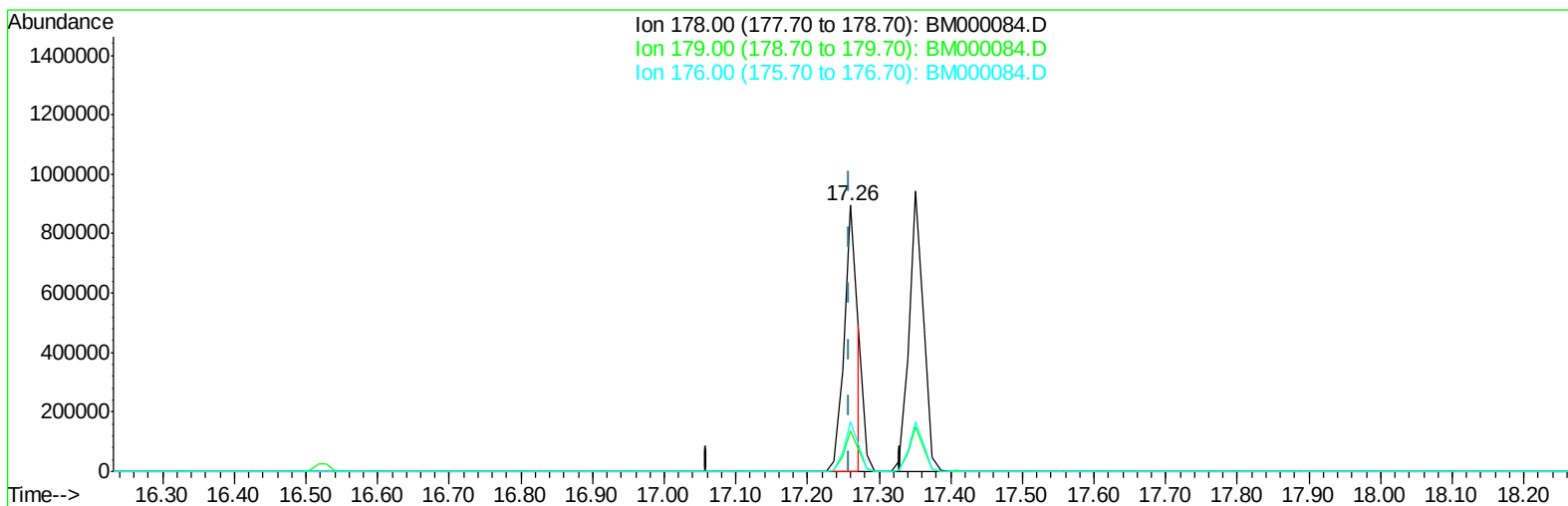
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(69) Phenanthrene

17.260min (-0.000) 18.47ng/ul

response 1203508

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	15.20
176.00	18.30	18.63
0.00	0.00	0.00

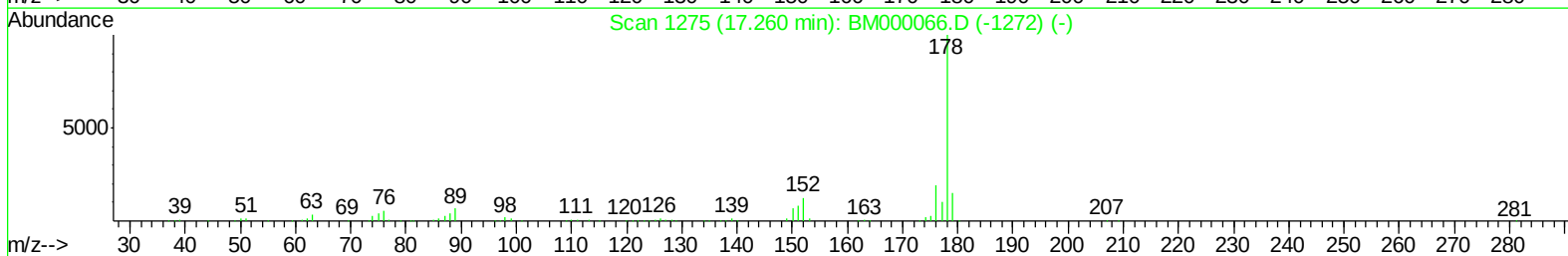
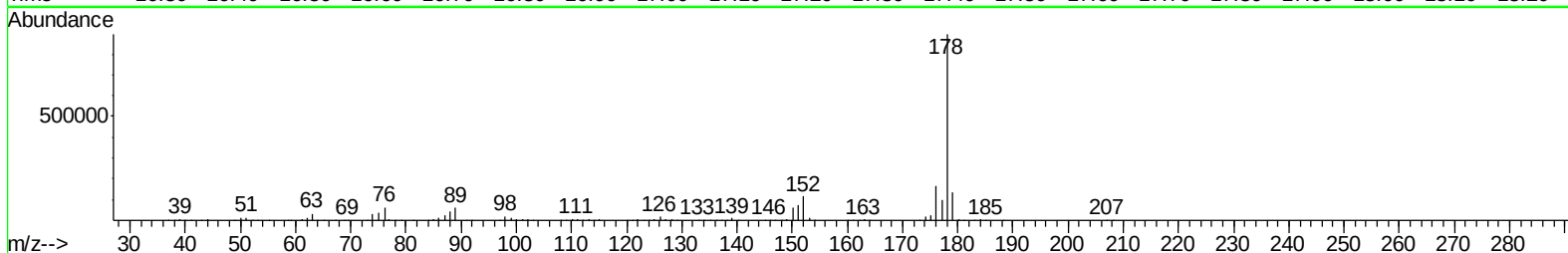
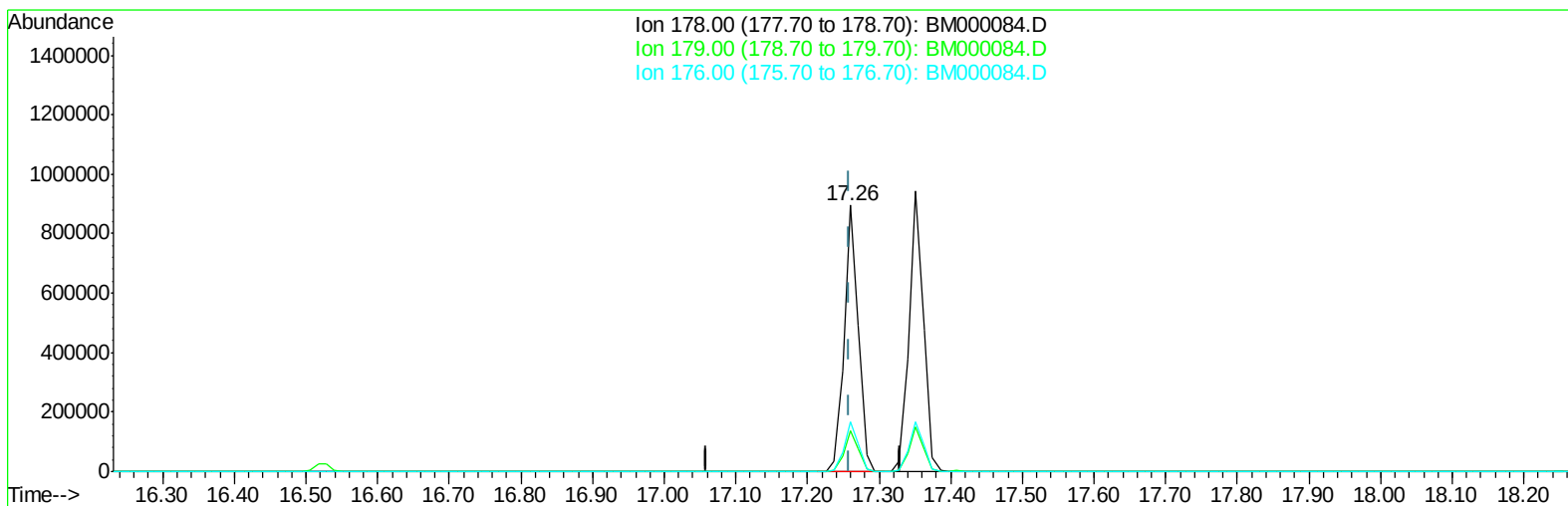
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000084.D
Acq On : 30 Dec 2014 05:48
Operator : TP
Sample : SSTD02007
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-03-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:22:19 AM

Quant Time: Dec 31 03:11:55 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration



TIC: BM000084.D

(69) Phenanthrene

17.260min (-0.000) 19.12ng/ul m

response 1245965

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	15.20
176.00	18.30	18.63
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
 Data File : BM000084.D
 Acq On : 30 Dec 2014 05:48
 Operator : TP
 Sample : SSTD02007
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-W

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:22:19 AM

Quant Time: Dec 31 07:10:54 2014
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 31 02:57:11 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	210146	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	877716	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	619866	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	1204400	20.00	ng/ul	-0.01
75) Chrysene-d12	21.41	240	1020760	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	838155	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	27811	7.67	ng/uL	-0.01
5) Phenol-d5	7.00	99	342983	18.84	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	213866	19.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	249436	19.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	271593	18.88	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	123890	20.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	130716m	21.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	273004m	19.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	343474	22.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	852107	18.64	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	1063924	19.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	125260	16.96	ng/ul	0.00
57) Fluorene-d10	15.47	176	735167	18.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	98850m	16.55	ng/ul	0.00
70) Anthracene-d10	17.32	188	1072455	19.26	ng/ul	0.00
76) Pyrene-d10	19.61	212	1068054	22.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	732460	19.37	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	36730	7.31	ng/uL	92
4) Benzaldehyde	6.98	77	254670	22.46	ng/ul	98
6) Phenol	7.03	94	357203	18.85	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.27	93	272098	18.78	ng/ul	97
10) 2-Chlorophenol	7.41	128	256725	18.92	ng/ul	98
11) 2-Methylphenol	8.28	108	280547	19.19	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.38	45	450932	19.32	ng/ul	99
14) Acetophenone	8.66	105	469183	19.12	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.65	70	245811	19.13	ng/ul	96
16) 4-Methylphenol	8.61	108	295541	18.68	ng/ul	98
17) Hexachloroethane	8.92	117	118622	19.14	ng/ul	83
20) Nitrobenzene	9.04	77	366802	20.27	ng/ul	99
21) Isophorone	9.56	82	684410	19.62	ng/ul	99
23) 2-Nitrophenol	9.75	139	143770	21.01	ng/ul	94
24) 2,4-Dimethylphenol	9.81	107	365286	19.67	ng/ul	99
25) Bis(2-Chloroethoxy)methane	10.05	93	378715	19.50	ng/ul	99
27) 2,4-Dichlorophenol	10.28	162	271527	19.88	ng/ul	95
28) Naphthalene	10.69	128	876619	19.59	ng/ul	99
30) 4-Chloroaniline	10.79	127	355952m	22.16	ng/ul	
31) Hexachlorobutadiene	10.97	225	199984	20.65	ng/ul	94
32) Caprolactam	11.54	113	81497	17.91	ng/ul	88
33) 4-Chloro-3-methylphenol	11.91	107	329371	19.65	ng/ul	99
34) 2-Methylnaphthalene	12.30	142	647161	19.50	ng/ul	99

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
 Data File : BM000084.D
 Acq On : 30 Dec 2014 05:48
 Operator : TP
 Sample : SSTD02007
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-W

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:22:19 AM

Quant Time: Dec 31 07:10:54 2014
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 31 02:57:11 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.67	216	341431	19.87	ng/ul#	97
37) Hexachlorocyclopentadiene	12.64	237	219086	19.30	ng/ul	97
38) 2,4,6-Trichlorophenol	12.91	196	218186	19.90	ng/ul	100
39) 2,4,5-Trichlorophenol	12.97	196	224328	18.84	ng/ul	99
40) 1,1'-Biphenyl	13.32	154	874032	19.57	ng/ul	97
41) 2-Chloronaphthalene	13.35	162	666361	19.46	ng/ul	99
42) 2-Nitroaniline	13.56	65	225859	20.35	ng/ul	97
44) Dimethylphthalate	13.93	163	856000	18.80	ng/ul	99
45) 2,6-Dinitrotoluene	14.05	165	166072	20.39	ng/ul#	85
47) Acenaphthylene	14.20	152	1091815	18.91	ng/ul	99
48) 3-Nitroaniline	14.38	138	168959	20.26	ng/ul	98
49) Acenaphthene	14.54	153	699352	19.00	ng/ul	99
50) 2,4-Dinitrophenol	14.59	184	48318	11.68	ng/ul	95
52) 4-Nitrophenol	14.68	109	169388	17.25	ng/ul	95
53) Dibenzofuran	14.87	168	1008824	18.93	ng/ul	94
54) 2,4-Dinitrotoluene	14.84	165	230023	18.93	ng/ul	90
55) 2,3,4,6-Tetrachlorophenol	15.10	232	191203	18.62	ng/ul	94
56) Diethylphthalate	15.29	149	884828	18.49	ng/ul	98
58) Fluorene	15.52	166	804681	18.19	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	409211	18.76	ng/ul	96
60) 4-Nitroaniline	15.55	138	176989	18.78	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.59	198	99654	16.31	ng/ul#	90
64) N-Nitrosodiphenylamine	15.73	169	701109	20.07	ng/ul	98
65) 4-Bromophenyl-phenylether	16.41	248	252202	20.55	ng/ul	93
66) Hexachlorobenzene	16.53	284	281050	19.86	ng/ul	95
67) Atrazine	16.68	200	257649	18.70	ng/ul	97
68) Pentachlorophenol	16.87	266	147924m	17.19	ng/ul	
69) Phenanthrene	17.26	178	1245965m	19.12	ng/ul	
71) Anthracene	17.35	178	1280779	19.11	ng/ul	100
72) Carbazole	17.61	167	1119010	18.53	ng/ul	98
73) Di-n-butylphthalate	18.19	149	1376071	19.10	ng/ul	99
74) Fluoranthene	19.28	202	1368918	18.31	ng/ul	97
77) Pyrene	19.64	202	1413082	22.97	ng/ul	97
78) Butylbenzylphthalate	20.54	149	523669	20.95	ng/ul	87
79) 3,3'-Dichlorobenzidine	21.33	252	365630	19.59	ng/ul	99
80) Benzo(a)anthracene	21.39	228	1142925	19.40	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.32	149	733781	20.17	ng/ul#	97
82) Chrysene	21.44	228	1065754	19.62	ng/ul	100
84) Di-n-octyl phthalate	22.22	149	1097572	19.04	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	1010553	18.89	ng/ul	99
86) Benzo(k)fluoranthene	23.05	252	947538	20.75	ng/ul	99
88) Benzo(a)pyrene	23.60	252	935323	19.91	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	26.04	276	997718	20.35	ng/ul	96
90) Dibenzo(a,h)anthracene	26.05	278	847617	20.54	ng/ul	98
91) Benzo(g,h,i)perylene	26.76	276	845058	20.98	ng/ul	99

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

