

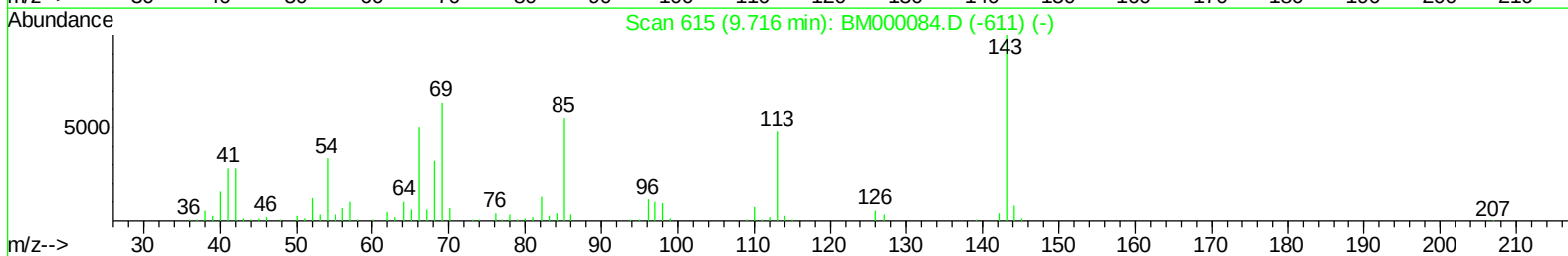
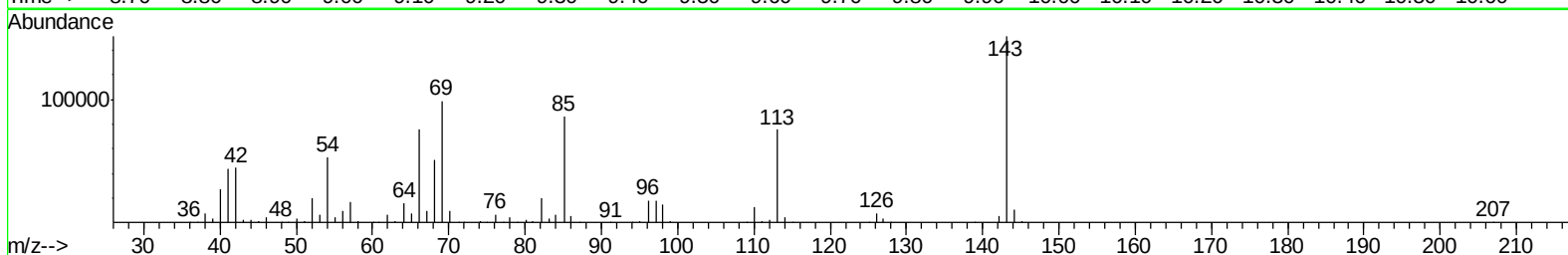
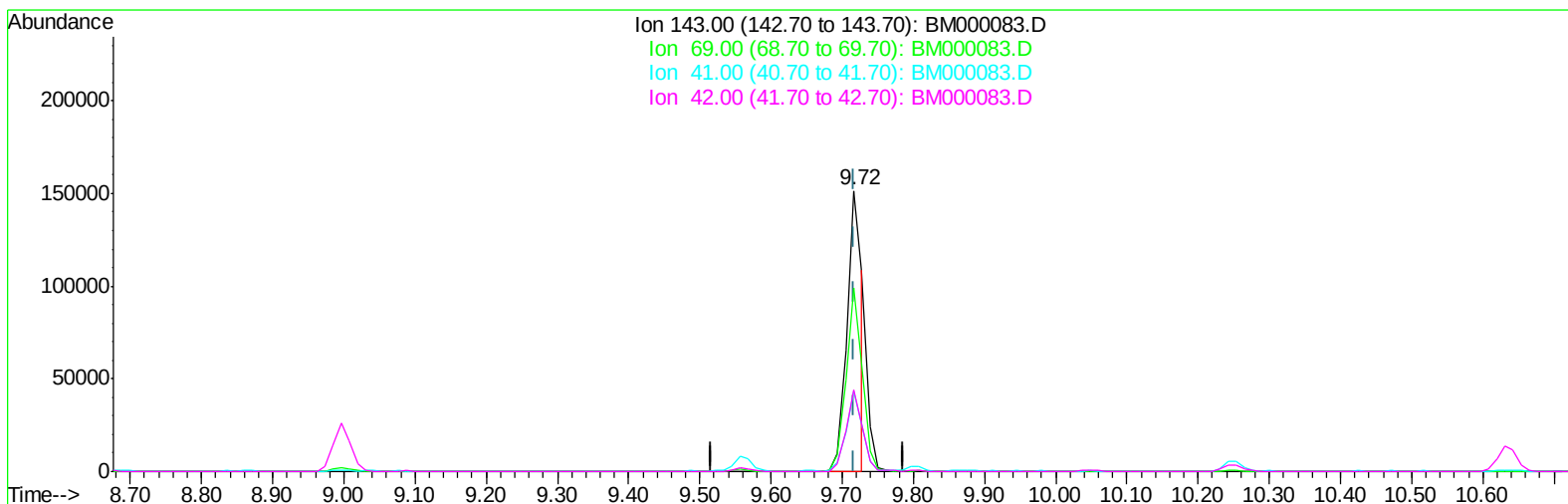
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(22) 2-Nitrophenol-d4 (S)
9.716min (+0.000) 36.22ng/ul
response 230187

Ion	Exp%	Act%
143.00	100	100
69.00	59.80	65.34
41.00	24.30	28.59
42.00	25.10	29.28

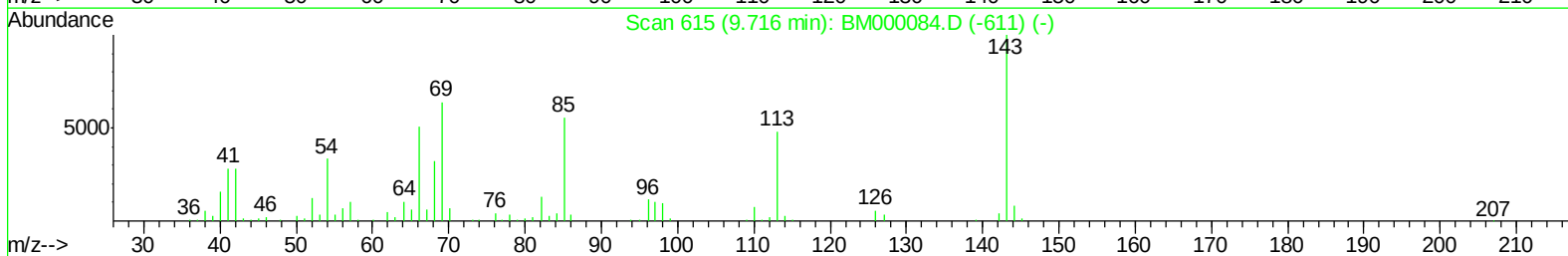
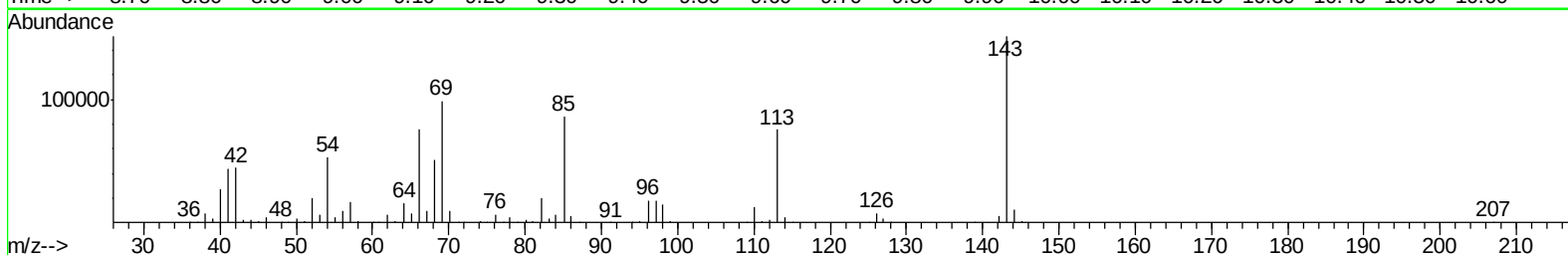
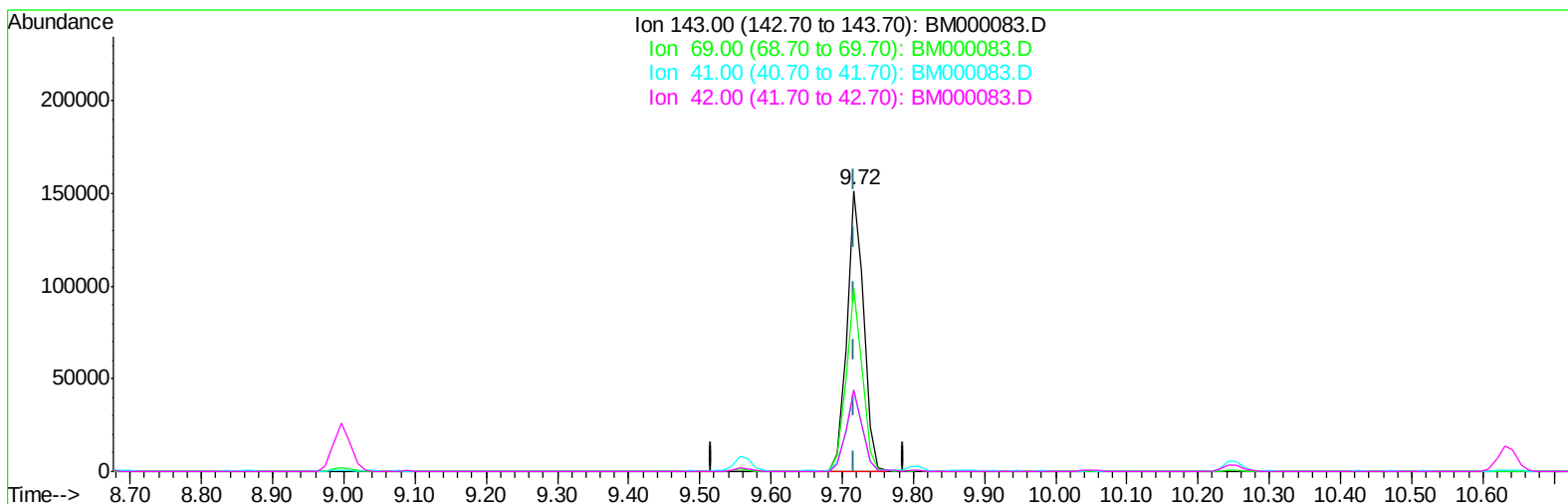
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(22) 2-Nitrophenol-d4 (S)

9.716min (+0.000) 39.15ng/ul m

response 248850

Ion	Exp%	Act%
143.00	100	100
69.00	59.80	65.34
41.00	24.30	28.59
42.00	25.10	29.28

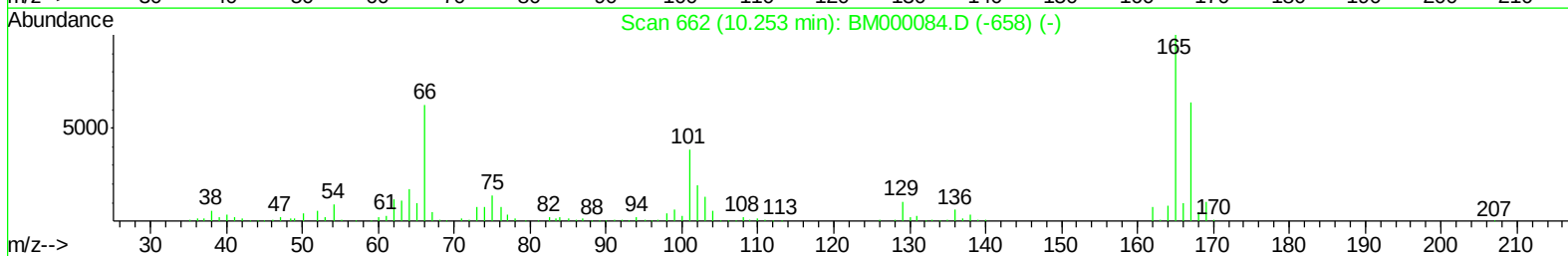
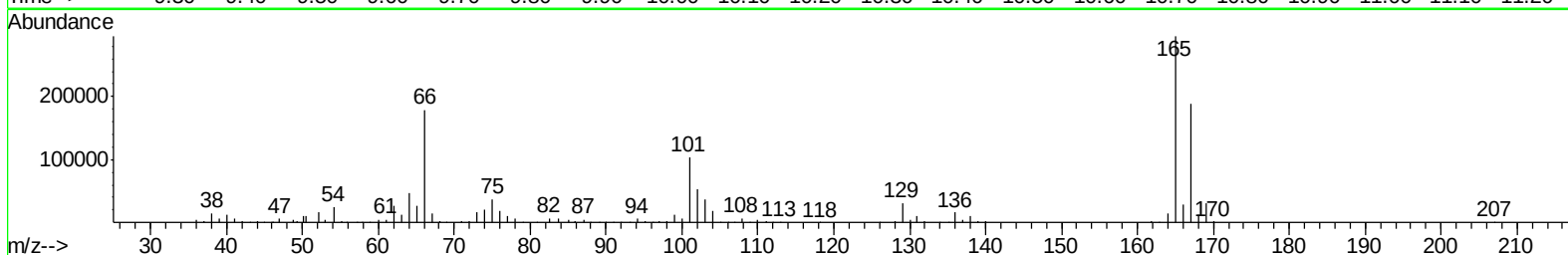
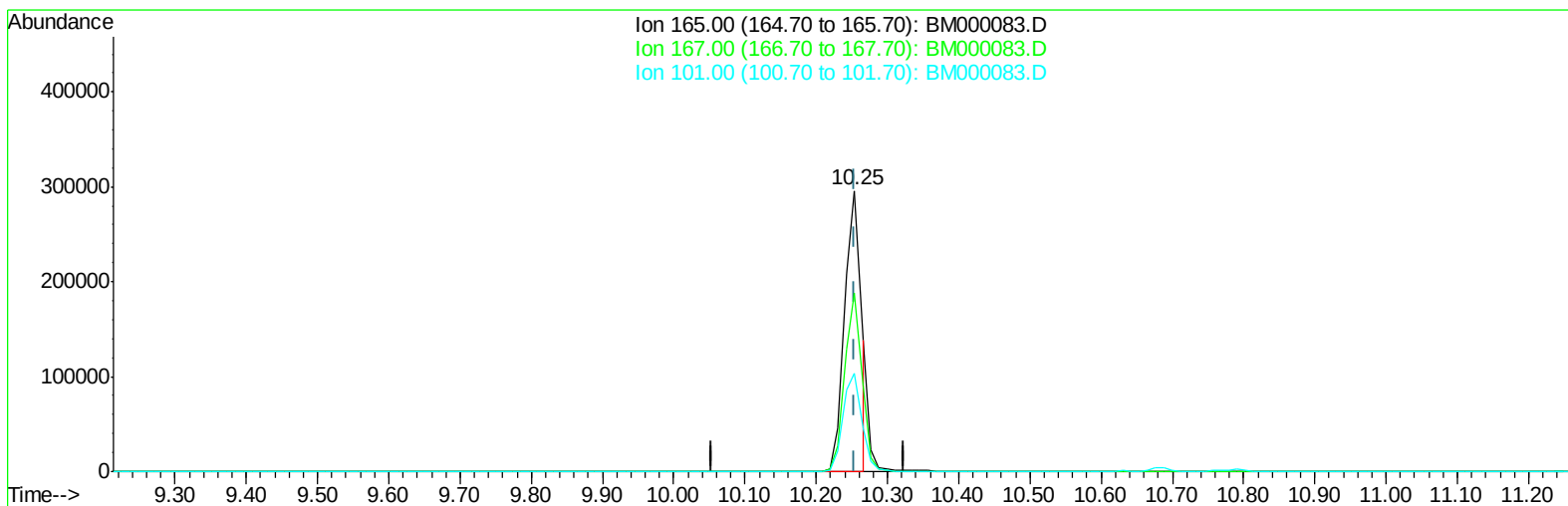
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

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

10.254min (+0.000) 33.51ng/ul

response 473002

Ion	Exp%	Act%
165.00	100	100
167.00	63.00	63.56
101.00	38.90	35.24
0.00	0.00	0.00

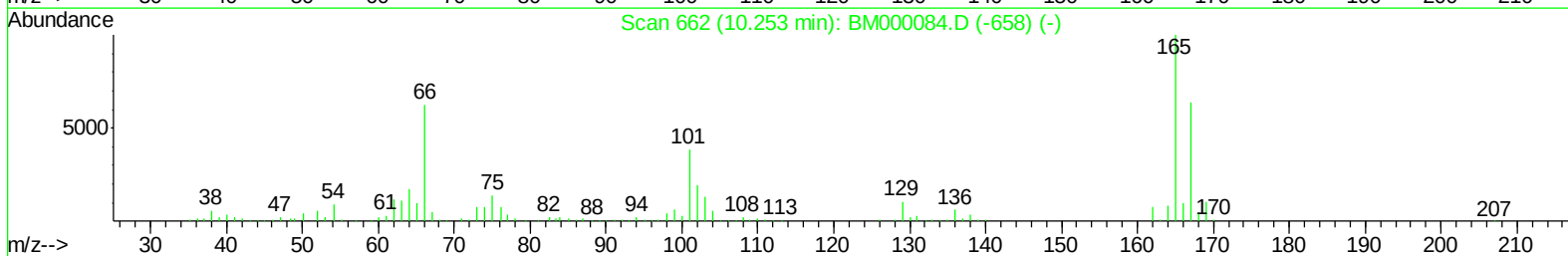
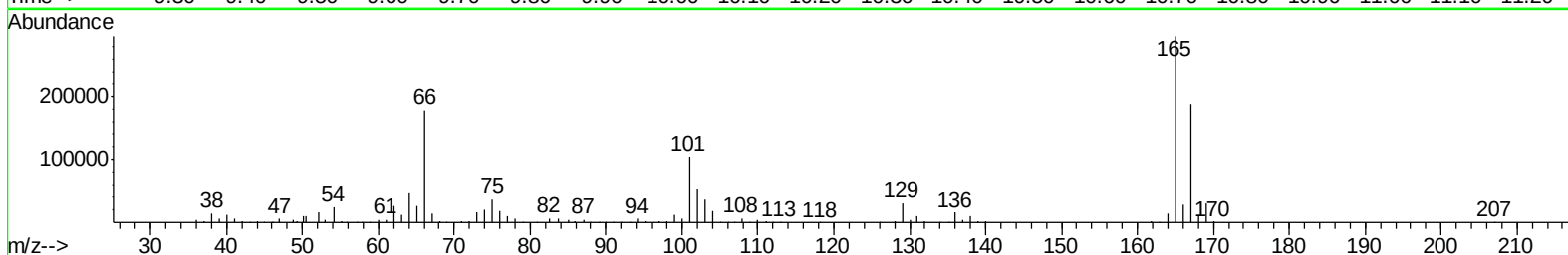
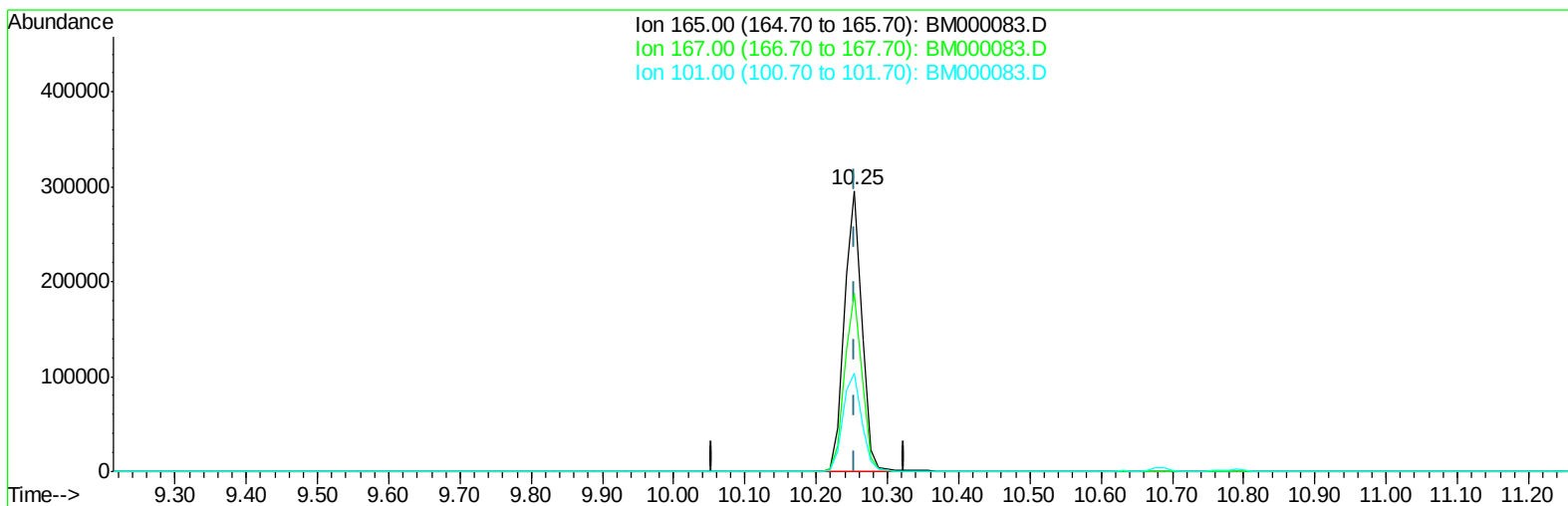
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

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

10.254min (+0.000) 34.99ng/ul m

response 493970

Ion	Exp%	Act%
165.00	100	100
167.00	63.00	63.56
101.00	38.90	35.24
0.00	0.00	0.00

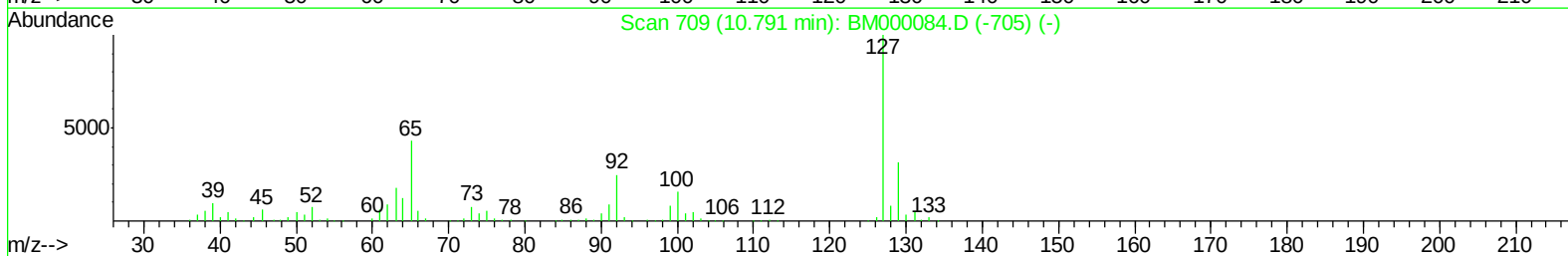
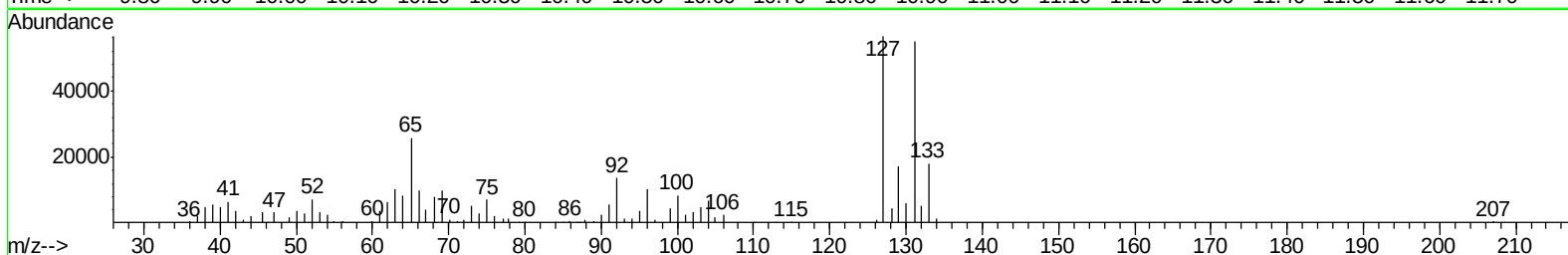
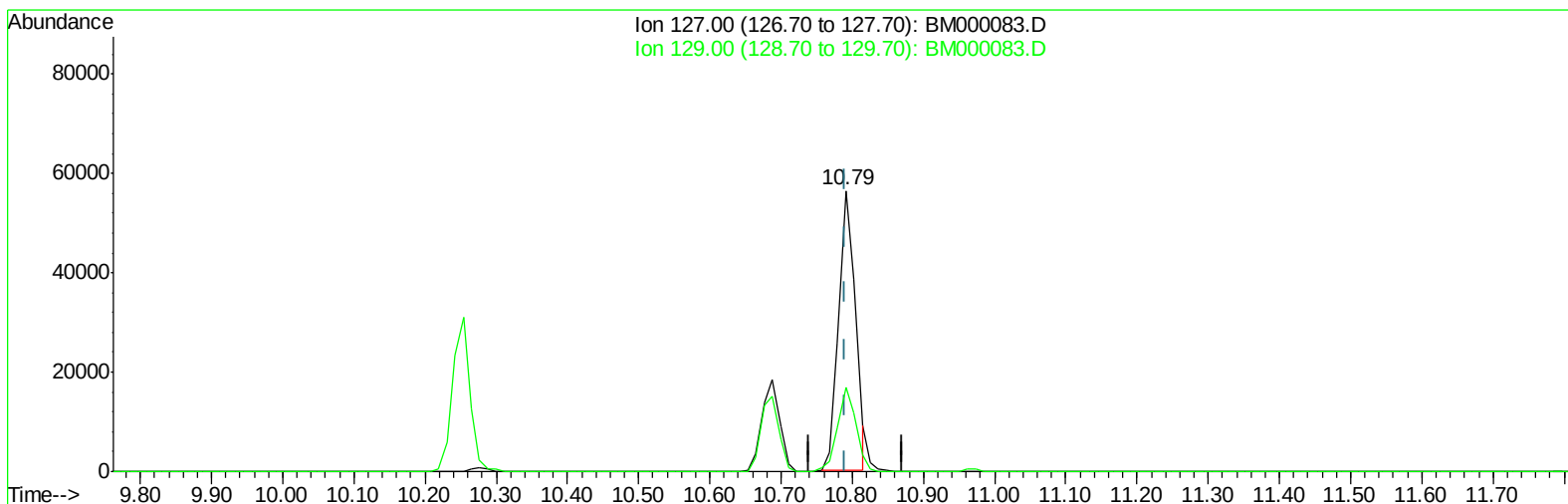
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(30) 4-Chloroaniline

10.791min (+0.000) 5.51ng/ul

response 90826

Ion	Exp%	Act%
127.00	100	100
129.00	33.10	30.23
0.00	0.00	0.00
0.00	0.00	0.00

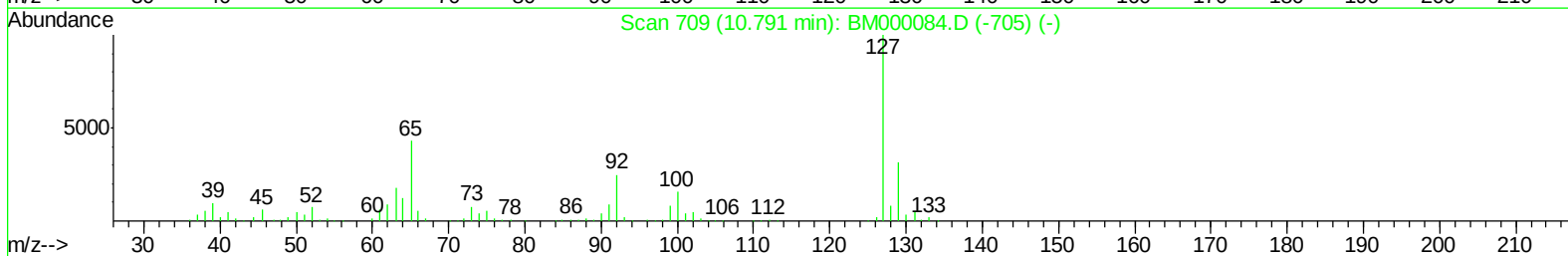
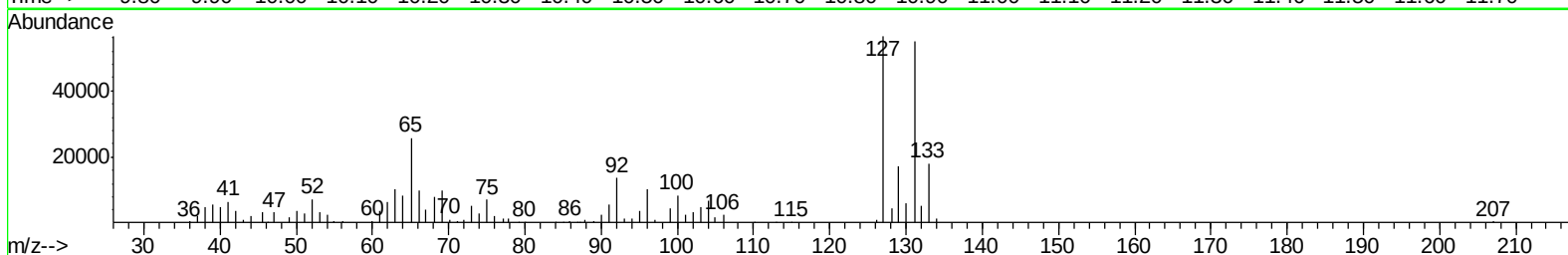
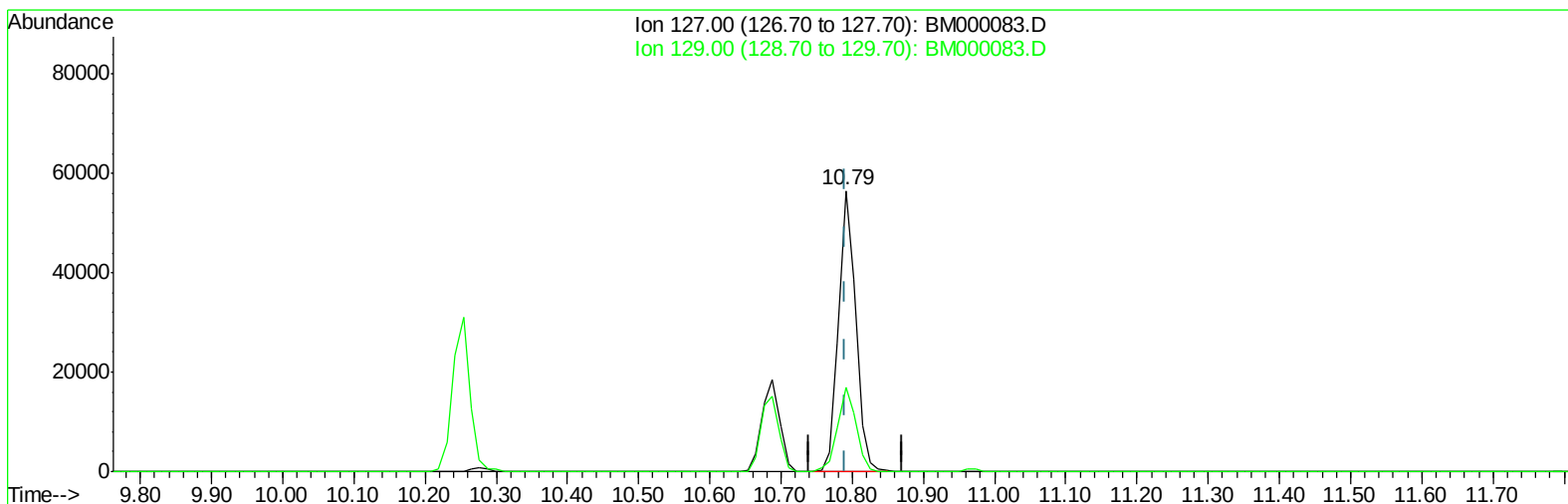
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(30) 4-Chloroaniline

10.791min (+0.000) 5.71ng/ul m

response 94181

Ion	Exp%	Act%
127.00	100	100
129.00	33.10	30.23
0.00	0.00	0.00
0.00	0.00	0.00

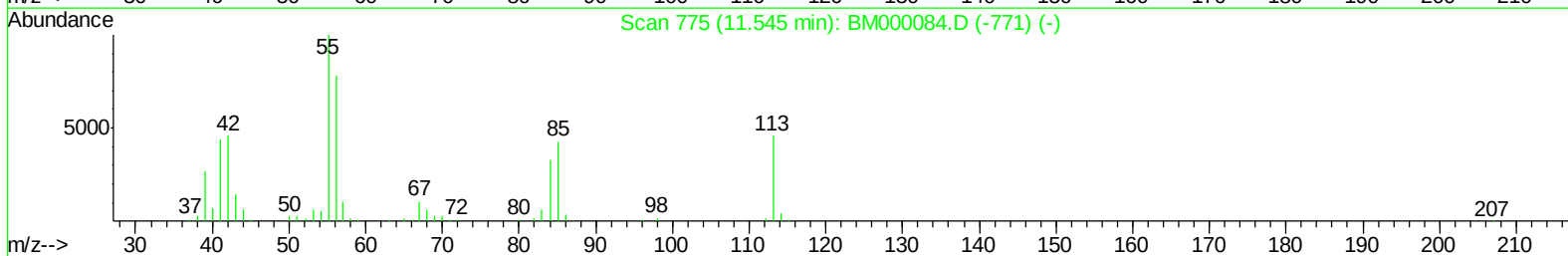
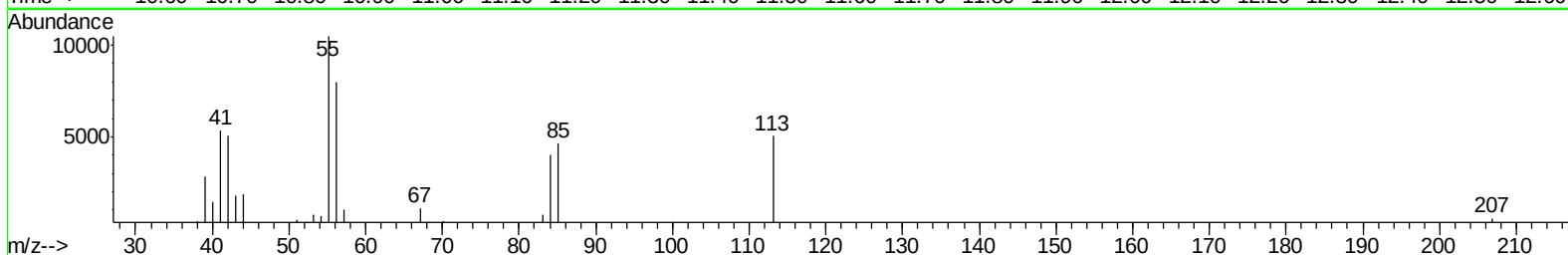
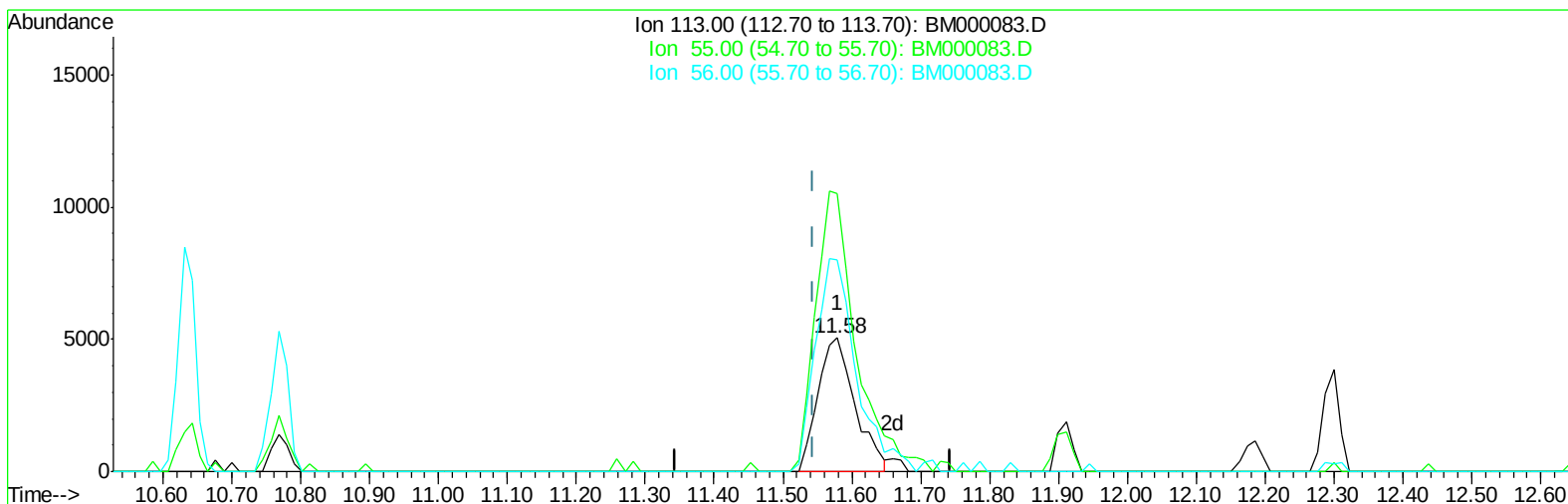
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(32) Caprolactam

11.579min (+0.034) 4.06ng/ul

response 18974

Ion	Exp%	Act%
113.00	100	100
55.00	195.70	207.95
56.00	157.90	158.51
0.00	0.00	0.00

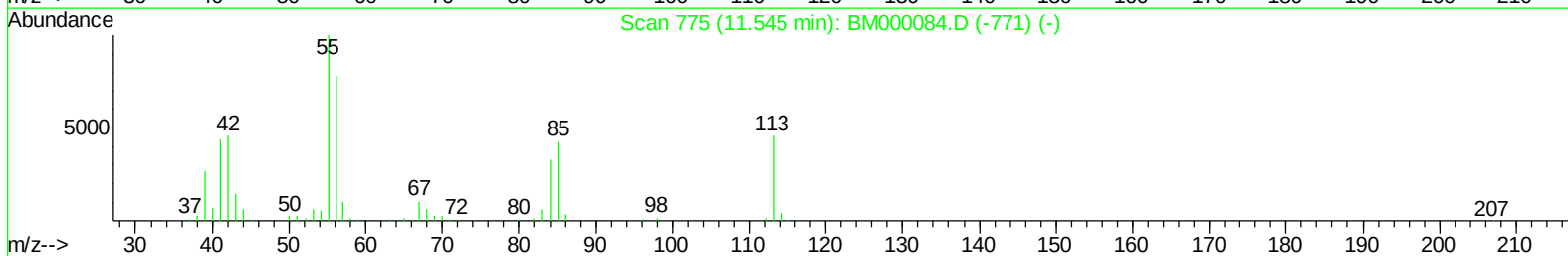
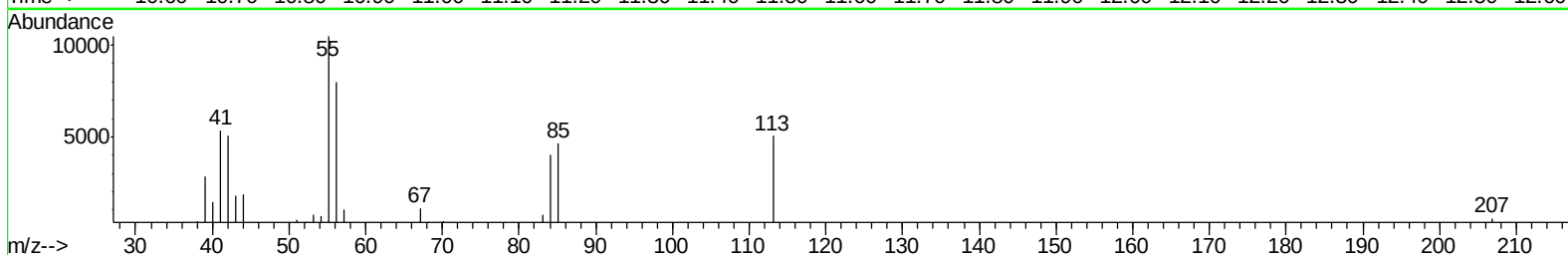
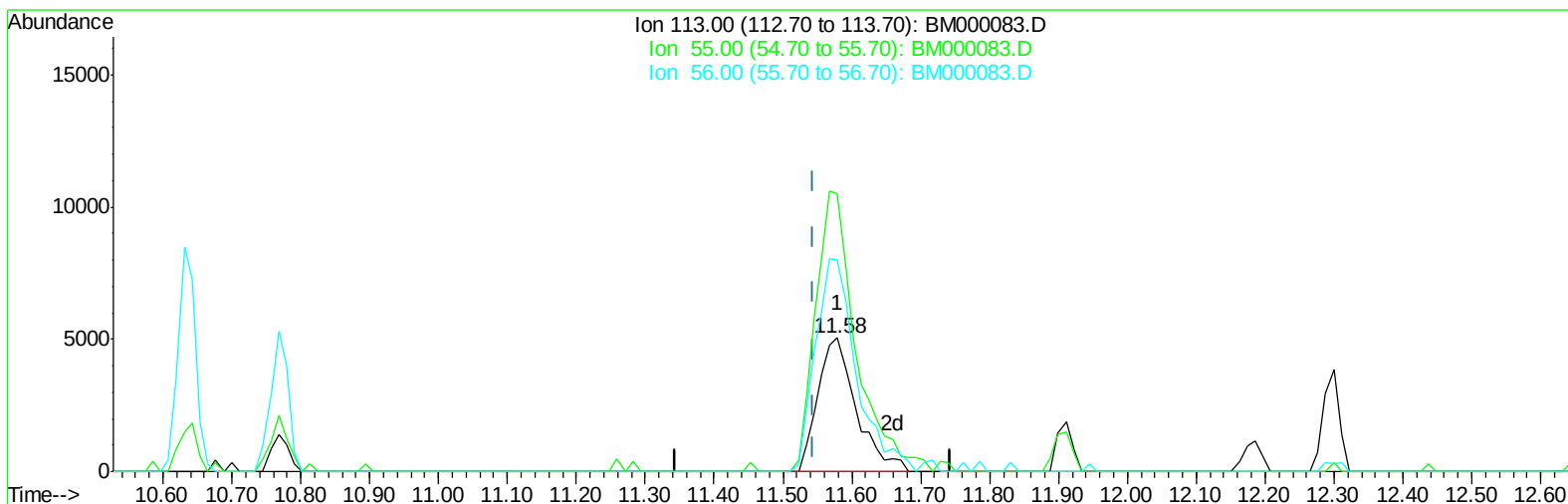
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(32) Caprolactam

11.579min (+0.034) 4.20ng/ul m

response 19620

Ion	Exp%	Act%
113.00	100	100
55.00	195.70	207.95
56.00	157.90	158.51
0.00	0.00	0.00

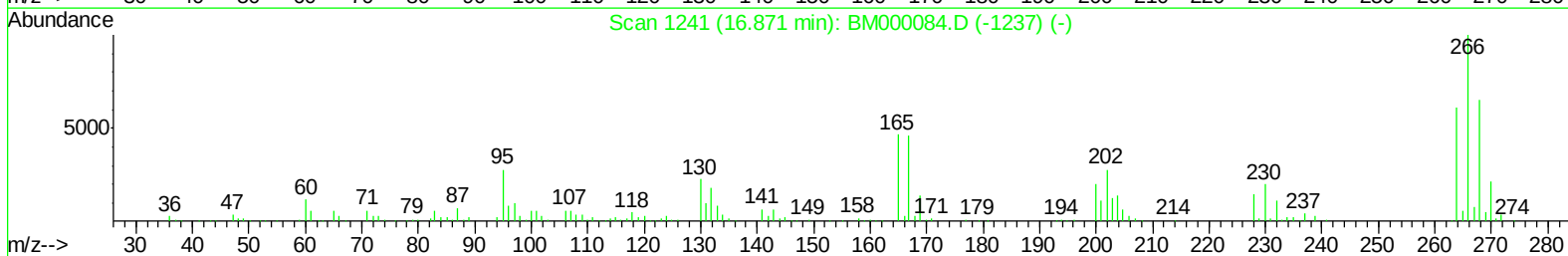
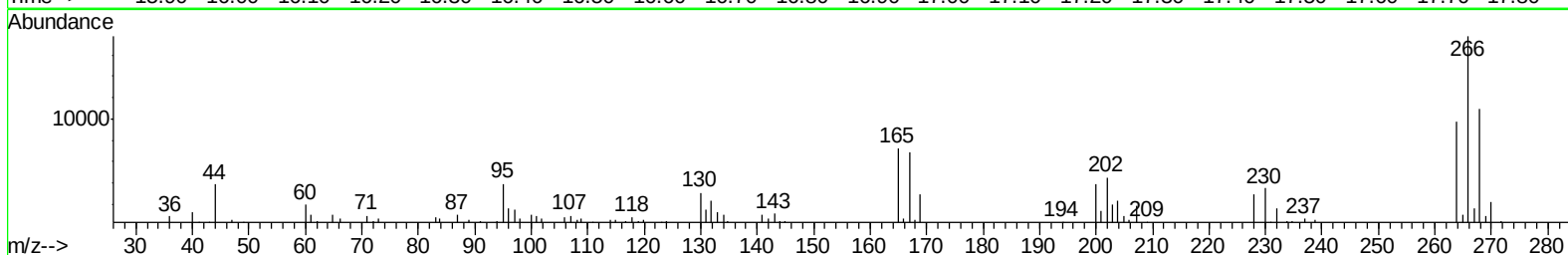
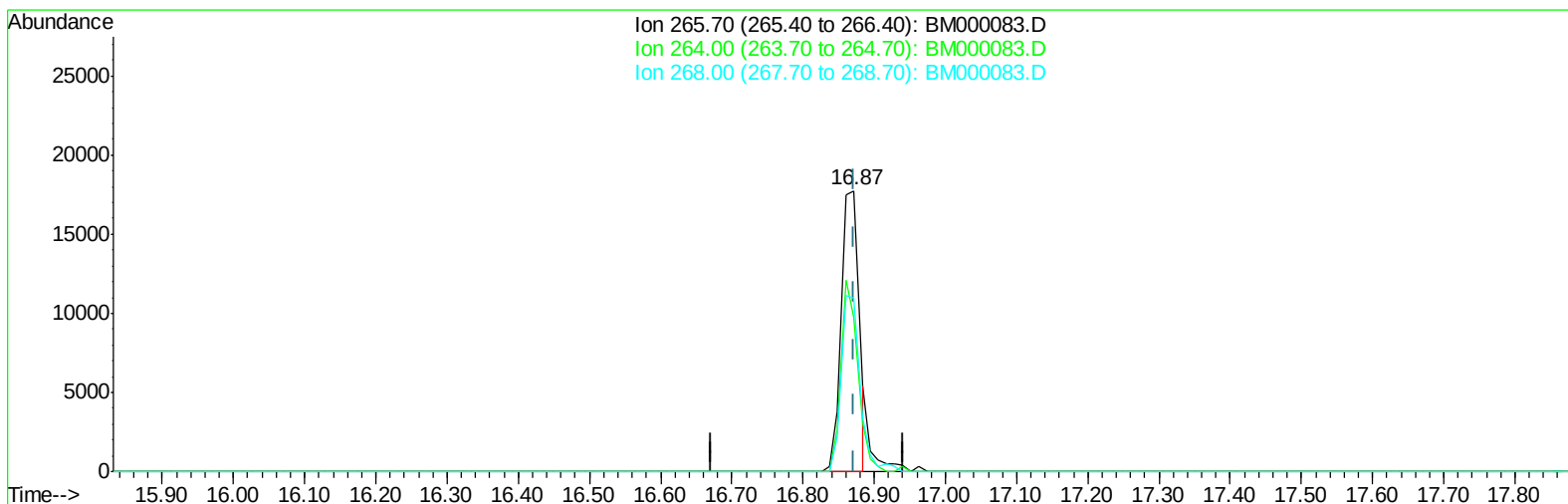
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(68) Pentachlorophenol (C)

16.871min (+0.000) 3.68ng/ul

response 30657

Ion	Exp%	Act%
265.70	100	100
264.00	62.20	54.99
268.00	60.30	61.67
0.00	0.00	0.00

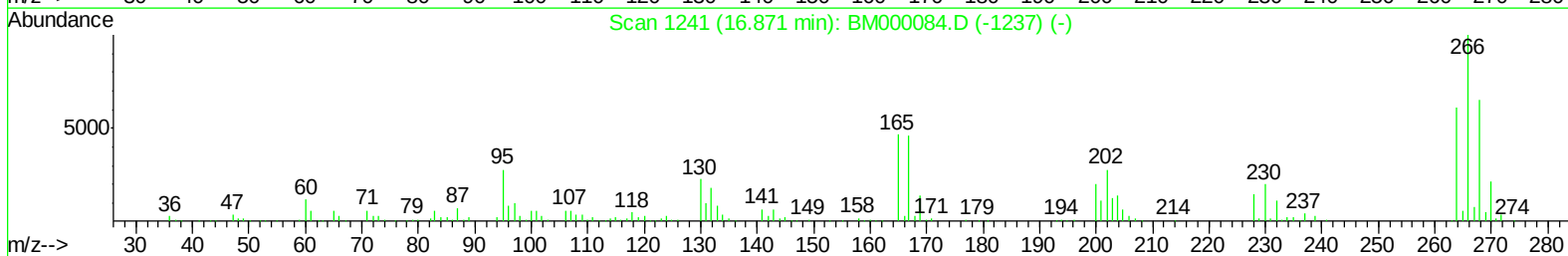
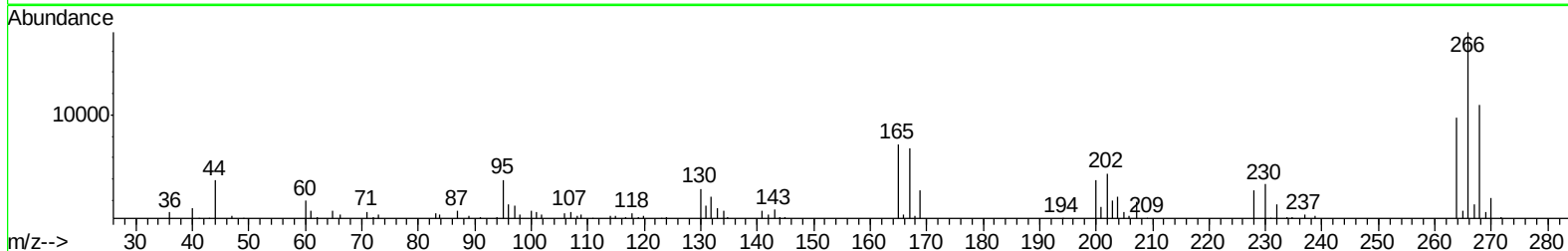
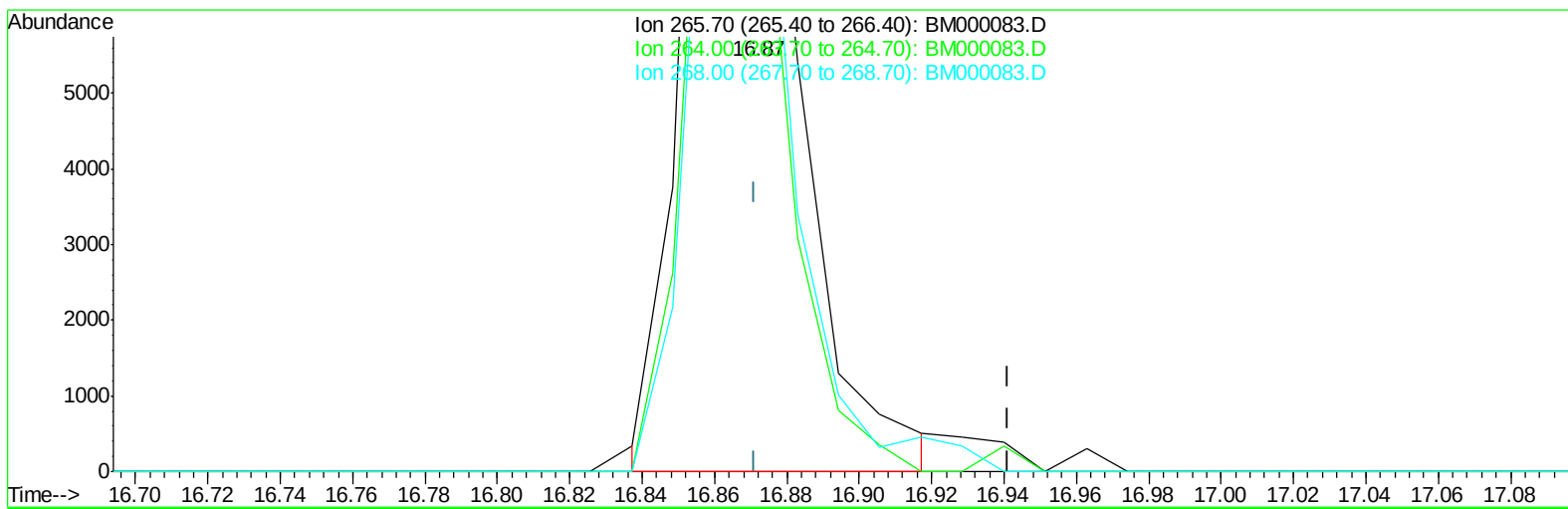
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(68) Pentachlorophenol (C)

16.871min (+0.000) 3.86ng/ul m

response 32188

Ion	Exp%	Act%
265.70	100	100
264.00	62.20	54.99
268.00	60.30	61.67
0.00	0.00	0.00

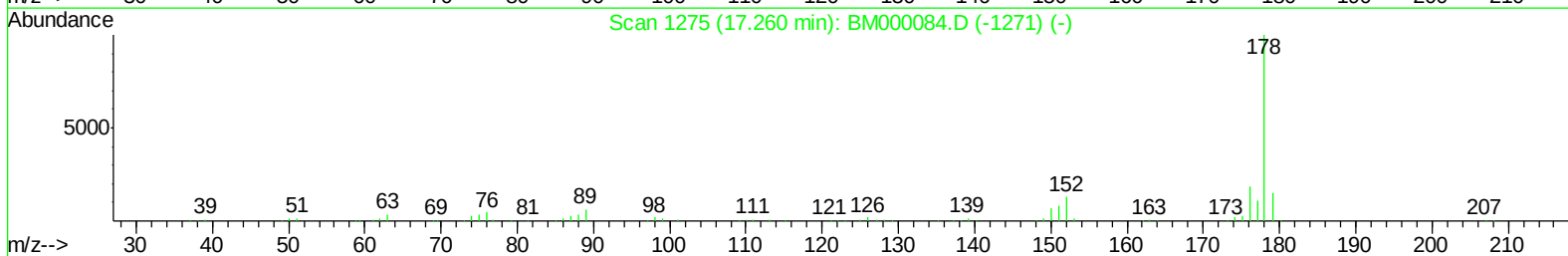
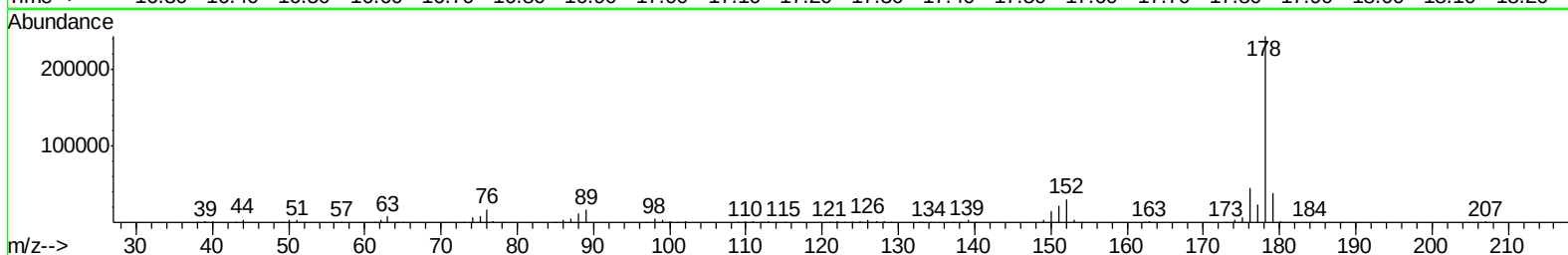
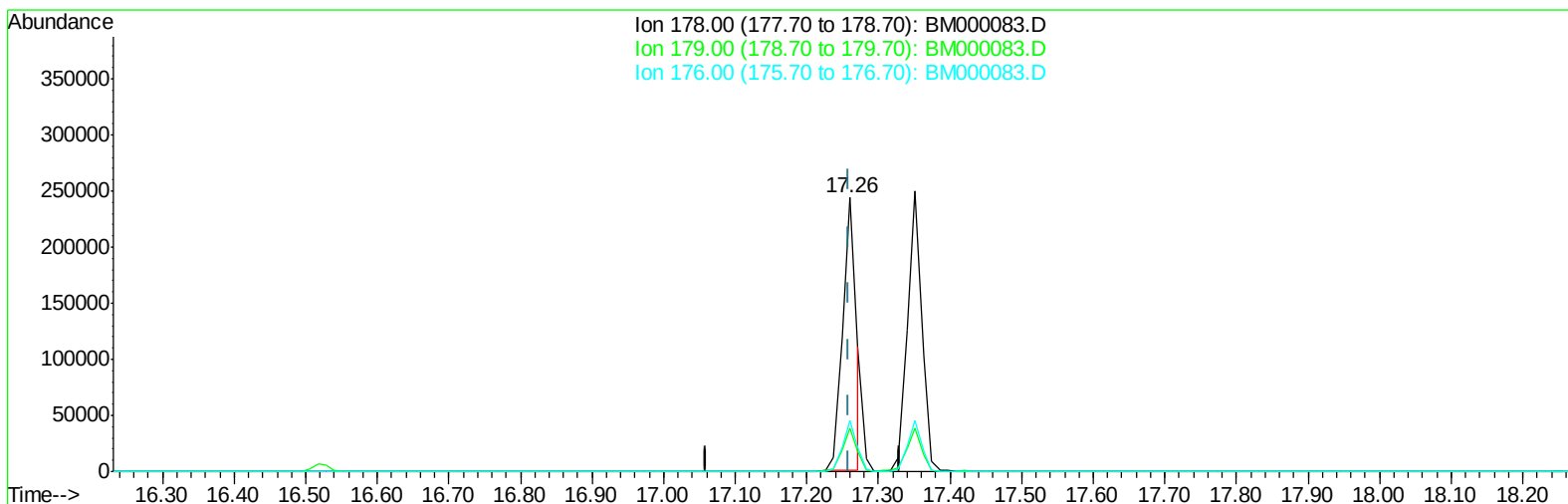
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(69) Phenanthrene

17.260min (+0.000) 5.26ng/ul

response 331950

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	15.87
176.00	18.30	18.63
0.00	0.00	0.00

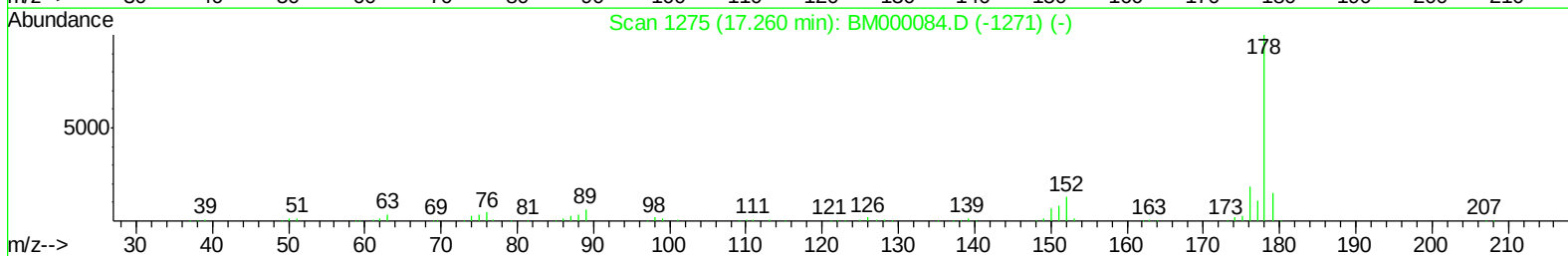
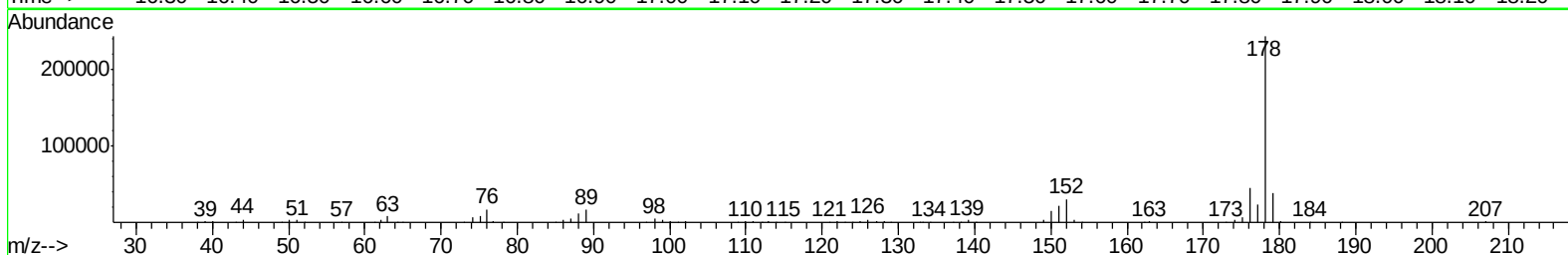
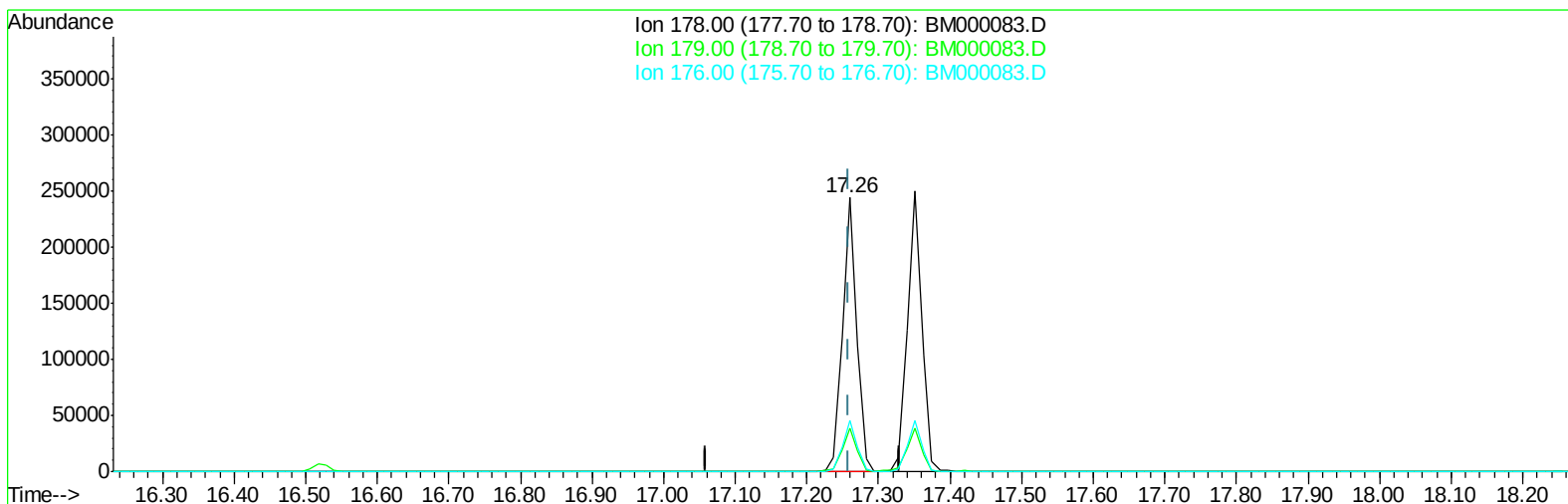
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000083.D
Acq On : 30 Dec 2014 05:12
Operator : TP
Sample : MDL-08-S
Misc : MDL-SOIL-8PPM
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-W

Manual Integrations
APPROVED

TEJASKUMAR
1/7/2015 9:21:33 AM

Quant Time: Dec 31 03:11:24 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: BM000083.D

(69) Phenanthrene

17.260min (+0.000) 5.43ng/ul m

response 342531

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	15.87
176.00	18.30	18.63
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
 Data File : BM000083.D
 Acq On : 30 Dec 2014 05:12
 Operator : TP
 Sample : MDL-08-S
 Misc : MDL-SOIL-8PPM
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:21:33 AM

Quant Time: Dec 31 07:38:00 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	207826	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	901605	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.48	164	613940	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	1165378	20.00	ng/ul	-0.01
75) Chrysene-d12	21.40	240	1027784	20.00	ng/ul	-0.01
83) Perylene-d12	23.71	264	895381	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	26397	7.36	ng/uL	-0.01
5) Phenol-d5	7.00	99	664324	36.90	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	380502	34.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	477798	37.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	512824	36.06	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	224184	35.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	248850m	39.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	493970m	34.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	611868	38.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1561900	34.49	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	1879009	34.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	216205	29.56	ng/ul	0.00
57) Fluorene-d10	15.47	176	1300725	33.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	75918	13.14	ng/ul	0.00
70) Anthracene-d10	17.32	188	1882638	34.94	ng/ul	0.00
76) Pyrene-d10	19.61	212	1877352	39.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1472730	36.45	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.35	88	27189	5.47 ng/ul	94
4) Benzaldehyde	6.98	77	71546	6.38 ng/ul	97
6) Phenol	7.03	94	105352	5.62 ng/ul	97
8) Bis(2-Chloroethyl)ether	7.27	93	79139	5.52 ng/ul	95
10) 2-Chlorophenol	7.41	128	75823	5.65 ng/ul	96
11) 2-Methylphenol	8.28	108	77084	5.33 ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.38	45	128010	5.55 ng/ul	98
14) Acetophenone	8.66	105	125433	5.17 ng/ul	98
15) N-Nitroso-di-n-propylamine	8.64	70	68181	5.36 ng/ul	94
16) 4-Methylphenol	8.60	108	84302	5.39 ng/ul	98
17) Hexachloroethane	8.92	117	31347	5.11 ng/ul#	83
20) Nitrobenzene	9.04	77	101542	5.46 ng/ul	99
21) Isophorone	9.56	82	177570	4.96 ng/ul	99
23) 2-Nitrophenol	9.75	139	41209	5.86 ng/ul	90
24) 2,4-Dimethylphenol	9.81	107	103549	5.43 ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.05	93	103956	5.21 ng/ul	98
27) 2,4-Dichlorophenol	10.28	162	76110	5.42 ng/ul	89
28) Naphthalene	10.69	128	240126	5.22 ng/ul	100
30) 4-Chloroaniline	10.79	127	94181m	5.71 ng/ul	
31) Hexachlorobutadiene	10.97	225	55800	5.61 ng/ul	89
32) Caprolactam	11.58	113	19620m	4.20 ng/ul	
33) 4-Chloro-3-methylphenol	11.91	107	85064	4.94 ng/ul	97
34) 2-Methylnaphthalene	12.30	142	175607	5.15 ng/ul	99

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
 Data File : BM000083.D
 Acq On : 30 Dec 2014 05:12
 Operator : TP
 Sample : MDL-08-S
 Misc : MDL-SOIL-8PPM
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:21:33 AM

Quant Time: Dec 31 07:38:00 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	94572	5.56	ng/ul#	97
37) Hexachlorocyclopentadiene	12.64	237	53643	4.77	ng/ul	92
38) 2,4,6-Trichlorophenol	12.91	196	55466	5.11	ng/ul	98
39) 2,4,5-Trichlorophenol	12.97	196	59020	5.00	ng/ul	99
40) 1,1'-Biphenyl	13.31	154	234599	5.30	ng/ul	98
41) 2-Chloronaphthalene	13.35	162	182766	5.39	ng/ul	99
42) 2-Nitroaniline	13.56	65	53956	4.91	ng/ul	94
44) Dimethylphthalate	13.93	163	236645	5.25	ng/ul	97
45) 2,6-Dinitrotoluene	14.05	165	39345	4.88	ng/ul#	84
47) Acenaphthylene	14.20	152	297075	5.19	ng/ul	100
48) 3-Nitroaniline	14.38	138	39362	4.77	ng/ul#	88
49) Acenaphthene	14.54	153	192702	5.29	ng/ul	99
50) 2,4-Dinitrophenol	14.57	184	4508	1.10	ng/ul	95
52) 4-Nitrophenol	14.68	109	46398	4.77	ng/ul	97
53) Dibenzofuran	14.87	168	278280	5.27	ng/ul	97
54) 2,4-Dinitrotoluene	14.84	165	56314	4.68	ng/ul	91
55) 2,3,4,6-Tetrachlorophenol	15.10	232	49214	4.84	ng/ul	95
56) Diethylphthalate	15.29	149	238269	5.03	ng/ul	99
58) Fluorene	15.52	166	222878	5.09	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	114499	5.30	ng/ul	93
60) 4-Nitroaniline	15.53	138	42378	4.54	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.59	198	12464	2.11	ng/ul#	70
64) N-Nitrosodiphenylamine	15.73	169	187274	5.54	ng/ul	99
65) 4-Bromophenyl-phenylether	16.41	248	67679	5.70	ng/ul	93
66) Hexachlorobenzene	16.53	284	76055	5.55	ng/ul#	88
67) Atrazine	16.68	200	66446	4.98	ng/ul	95
68) Pentachlorophenol	16.87	266	32188m	3.86	ng/ul	
69) Phenanthrene	17.26	178	342531m	5.43	ng/ul	
71) Anthracene	17.35	178	343626	5.30	ng/ul	100
72) Carbazole	17.61	167	298643	5.11	ng/ul	98
73) Di-n-butylphthalate	18.19	149	349123	5.01	ng/ul	99
74) Fluoranthene	19.27	202	369107	5.10	ng/ul	96
77) Pyrene	19.64	202	378007	6.10	ng/ul	98
78) Butylbenzylphthalate	20.54	149	130771	5.20	ng/ul	93
79) 3,3'-Dichlorobenzidine	21.32	252	91325	4.86	ng/ul	99
80) Benzo(a)anthracene	21.39	228	318937	5.38	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.32	149	187432	5.12	ng/ul	100
82) Chrysene	21.44	228	292998	5.36	ng/ul	98
84) Di-n-octyl phthalate	22.22	149	279591	4.54	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	311254	5.45	ng/ul	98
86) Benzo(k)fluoranthene	23.05	252	248006	5.08	ng/ul	100
88) Benzo(a)pyrene	23.60	252	281169	5.60	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	26.04	276	302982	5.79	ng/ul	95
90) Dibenzo(a,h)anthracene	26.05	278	255814	5.80	ng/ul	96
91) Benzo(g,h,i)perylene	26.75	276	250339	5.82	ng/ul	100

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

