

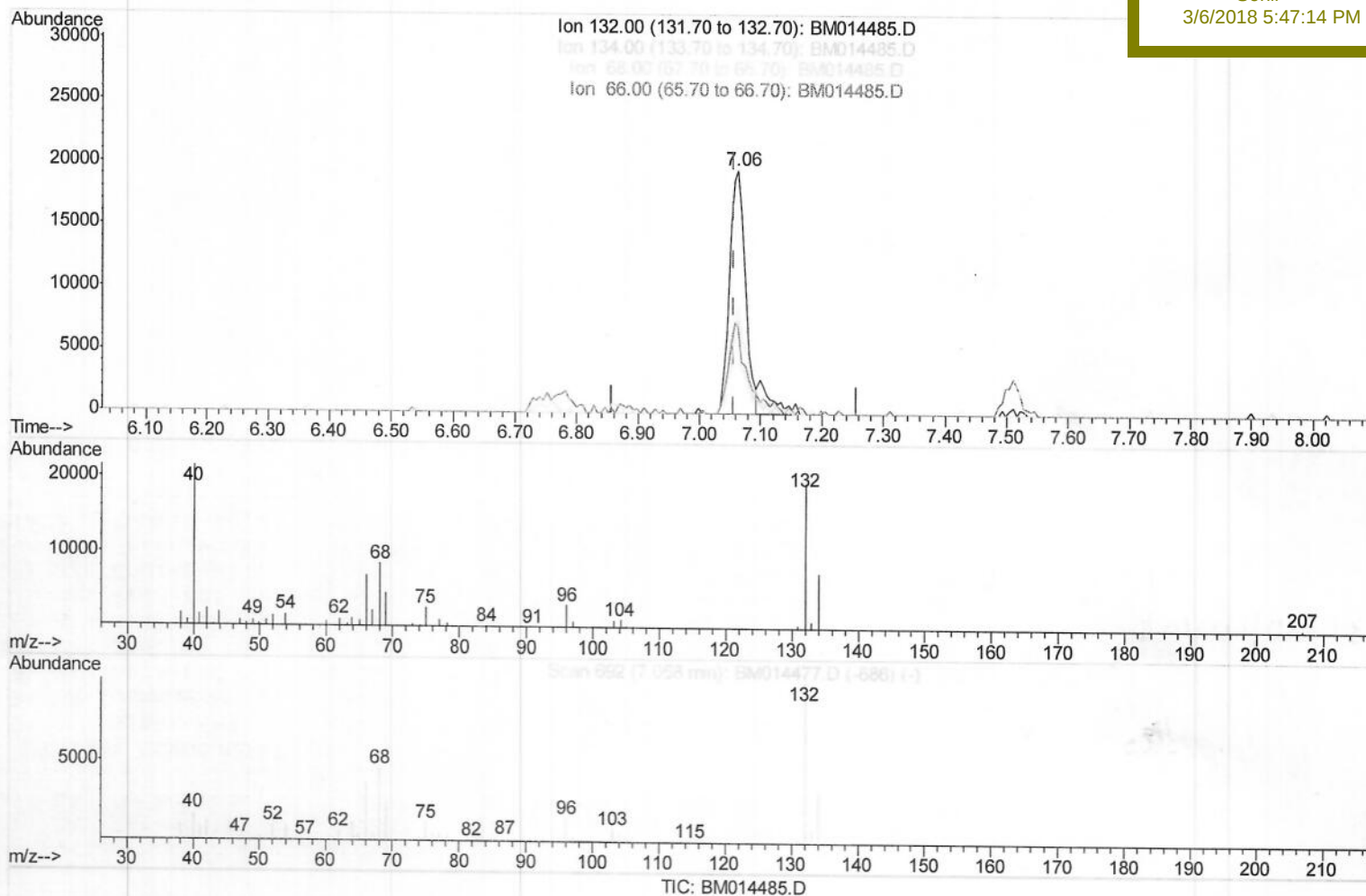
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014485.D
Acq On : 05 Mar 2018 22:35
Operator : SJ/JU
Sample : J1678-09DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 00:00:41 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEST9DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:14 PM



(9) 2-Chlorophenol-d4 (S)

7.063min (+0.006) 5.34ng/ul

response 35006

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	38.39
68.00	51.20	43.61
66.00	41.70	35.56

Quantitation Report (Qedit)

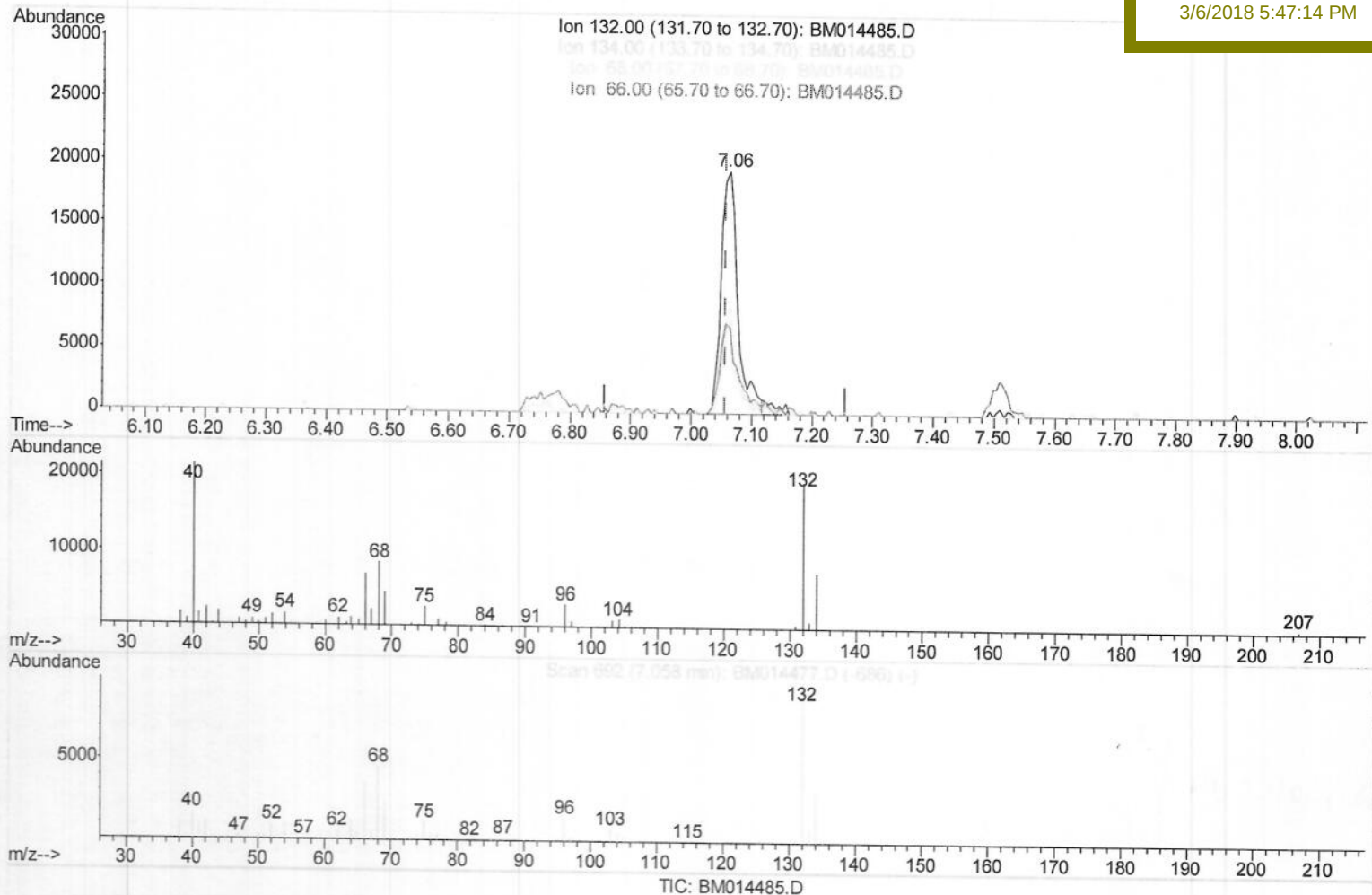
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 00:00:41 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:14 PM



(9) 2-Chlorophenol-d4 (S)

7.063min (+0.006) 5.75ng/ul m J1678-09DL

response 37677

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	38.39
68.00	51.20	43.61
66.00	41.70	35.56

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

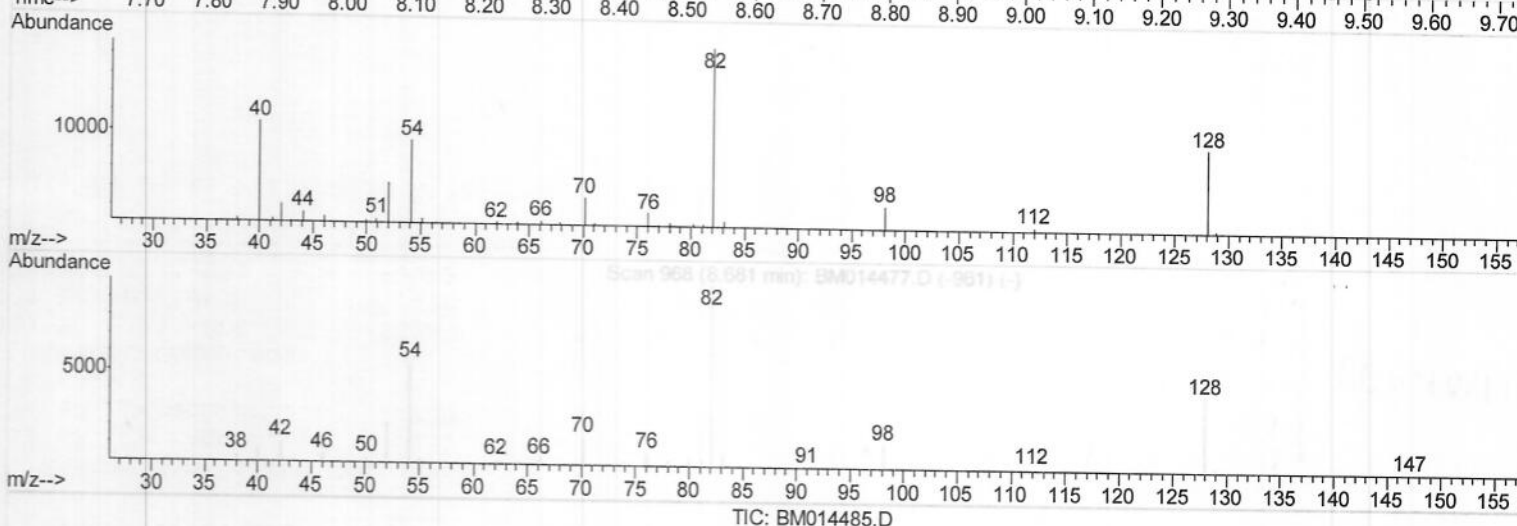
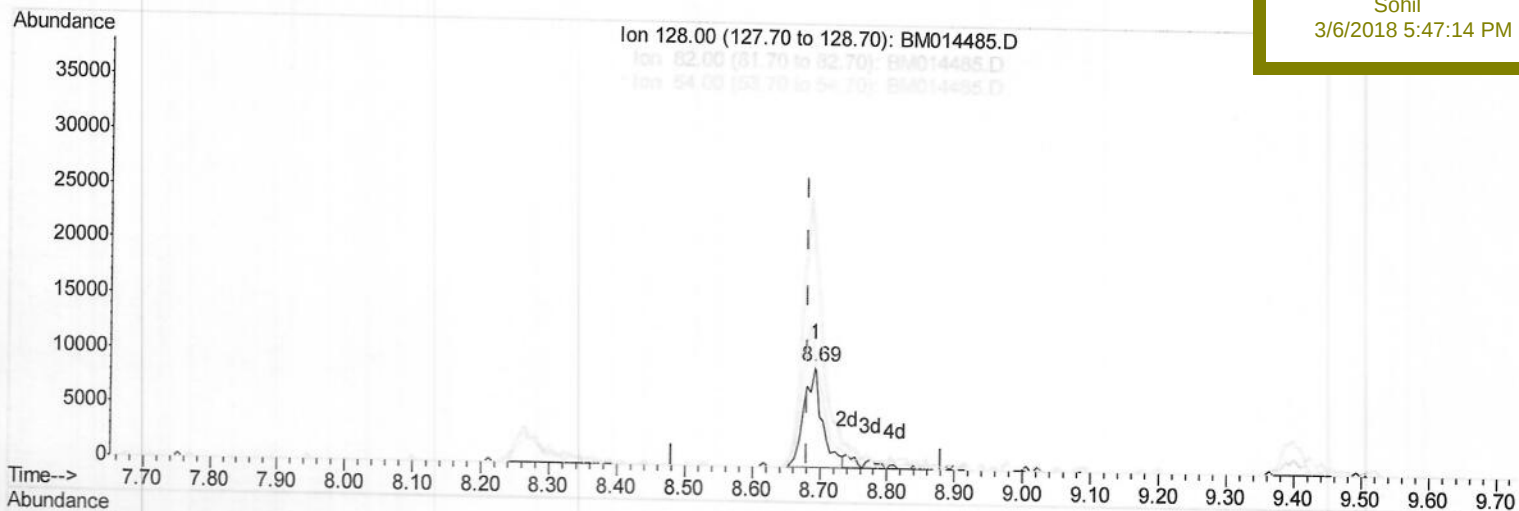
ClientSampled :

BEST9DL

Manual Integrations
APPROVED

Sohil

3/6/2018 5:47:14 PM



(19) Nitrobenzene-d5 (S)

8.693min (+0.012) 6.15ng/ul

response 17192

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	208.76#
54.00	142.70	98.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

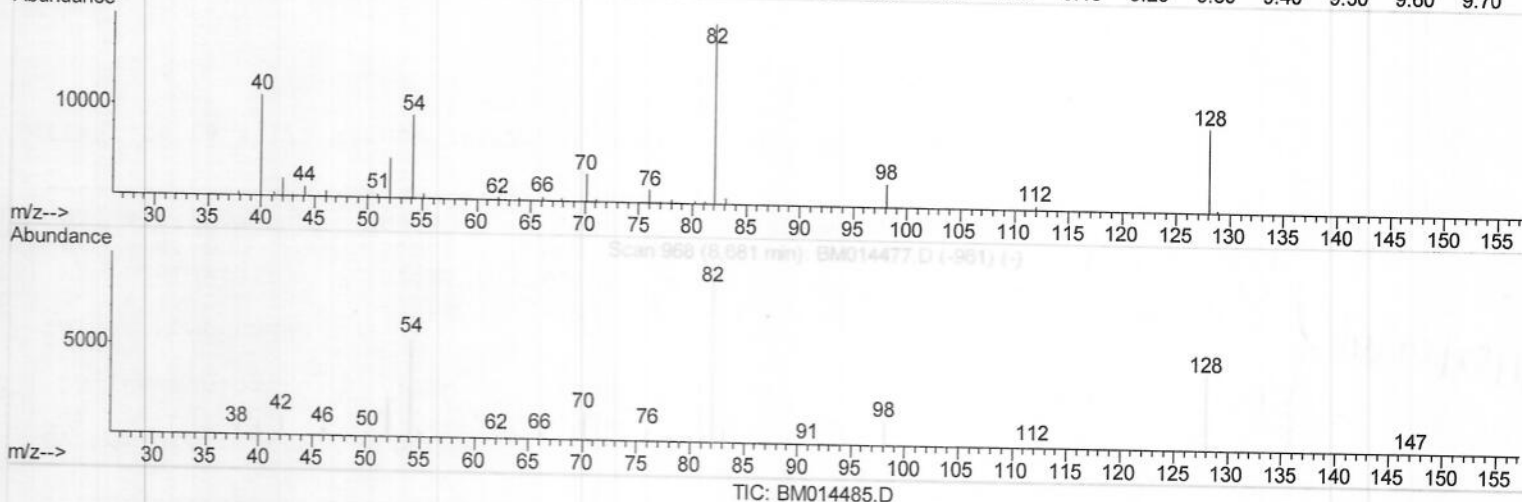
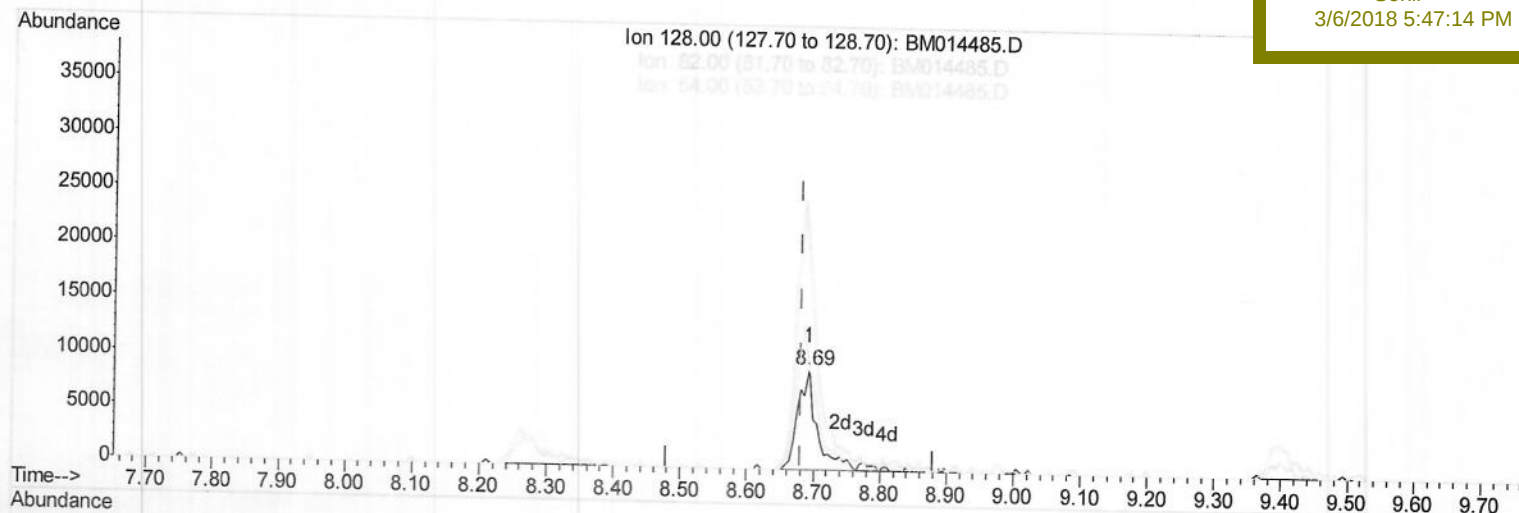
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:14 PM



(19) Nitrobenzene-d5 (S)

8.693min (+0.012) 6.59ng/ul m > JU03109118

response 18409

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	208.76#
54.00	142.70	98.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

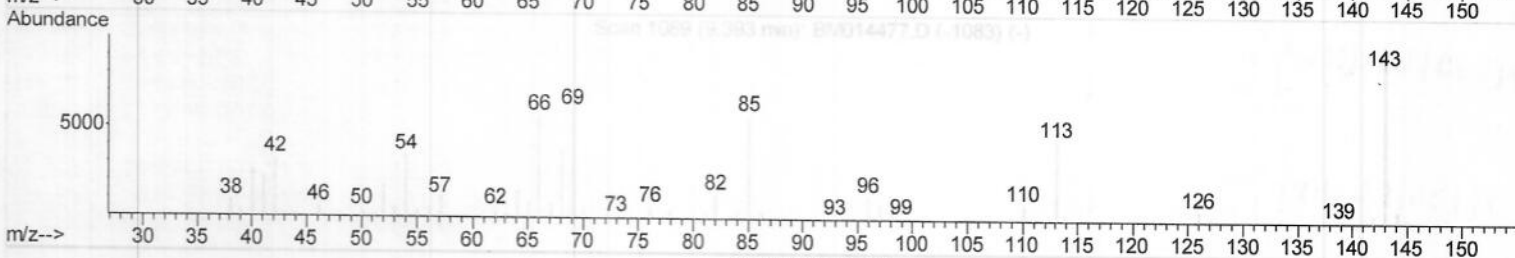
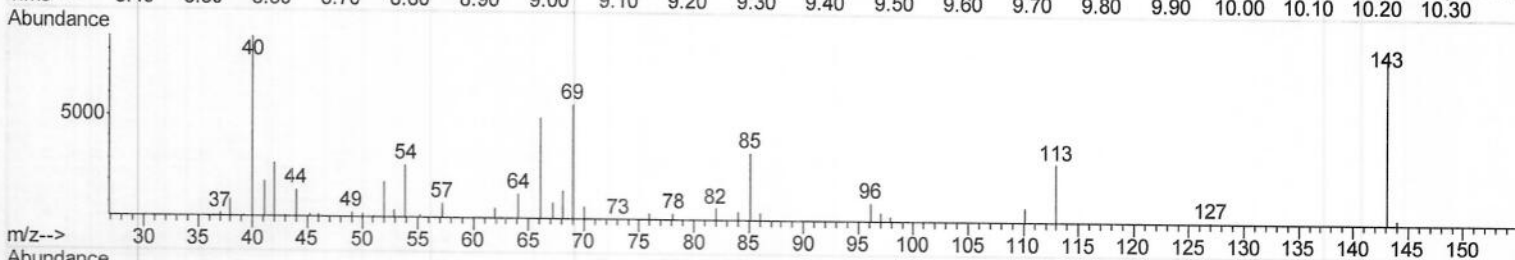
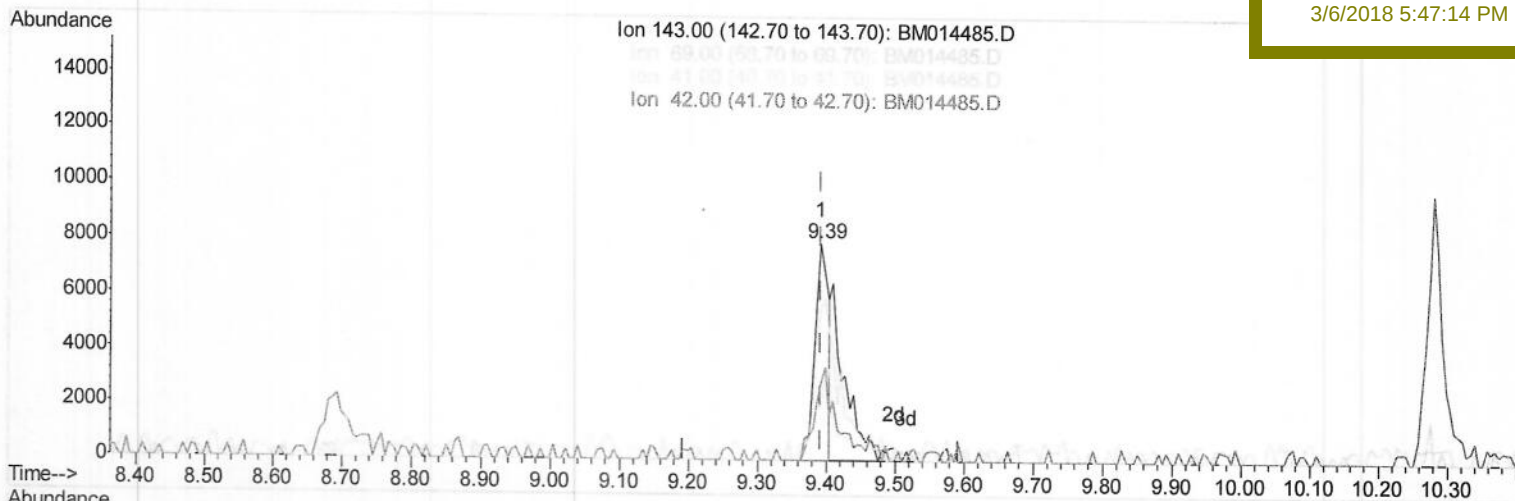
BE5T9DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:14 PM



TIC: BM014485.D

(22) 2-Nitrophenol-d4 (S)

9.393min (-0.000) 3.78ng/ul

response 10929

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	70.91
41.00	23.80	24.72
42.00	24.30	35.57#

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

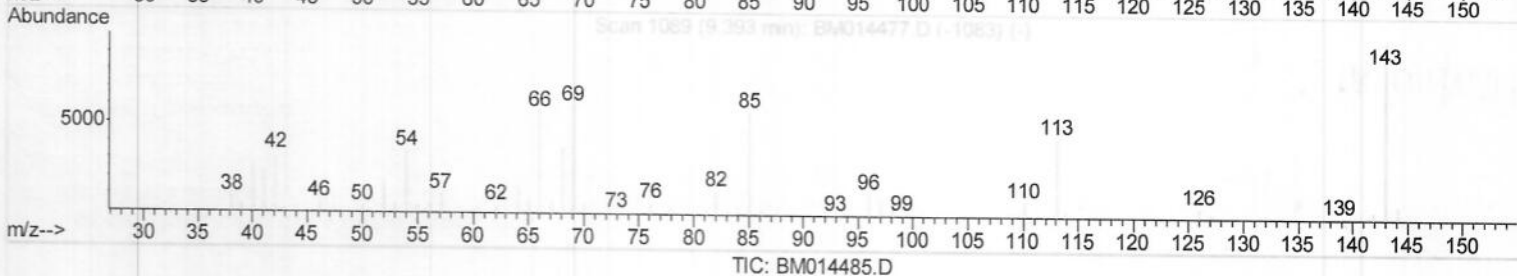
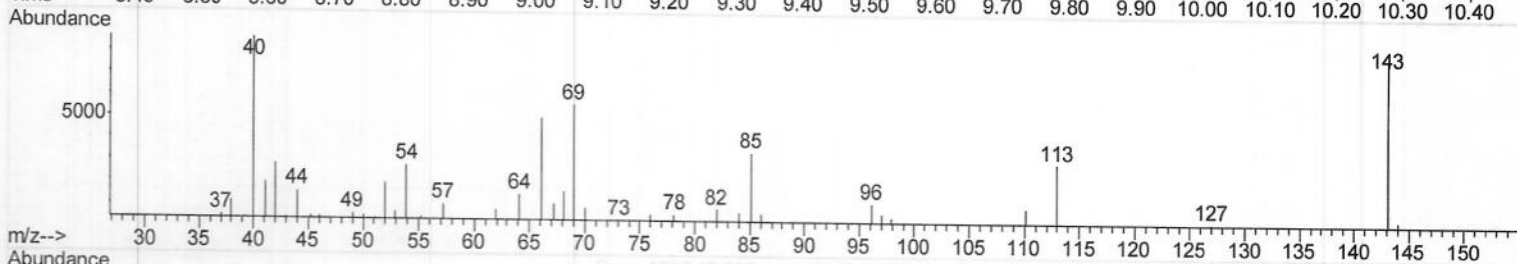
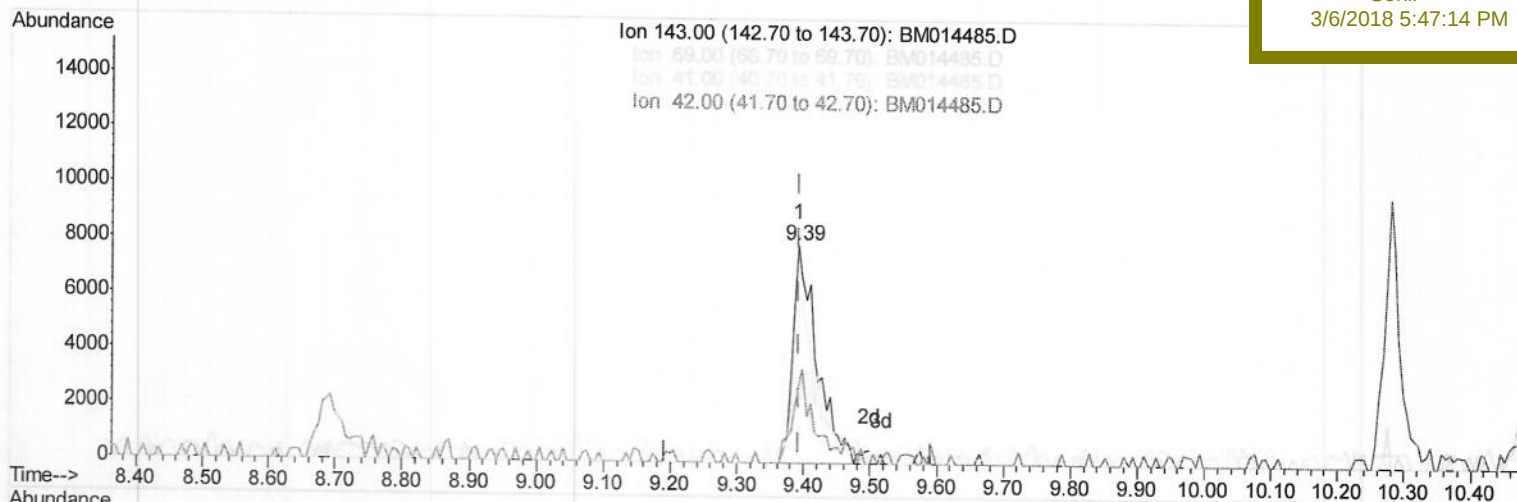
BE5T9DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:14 PM



(22) 2-Nitrophenol-d4 (S)

9.393min (-0.000) 6.83ng/ul m >JU03109118

response 19760

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	70.91
41.00	23.80	24.72
42.00	24.30	35.57#

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

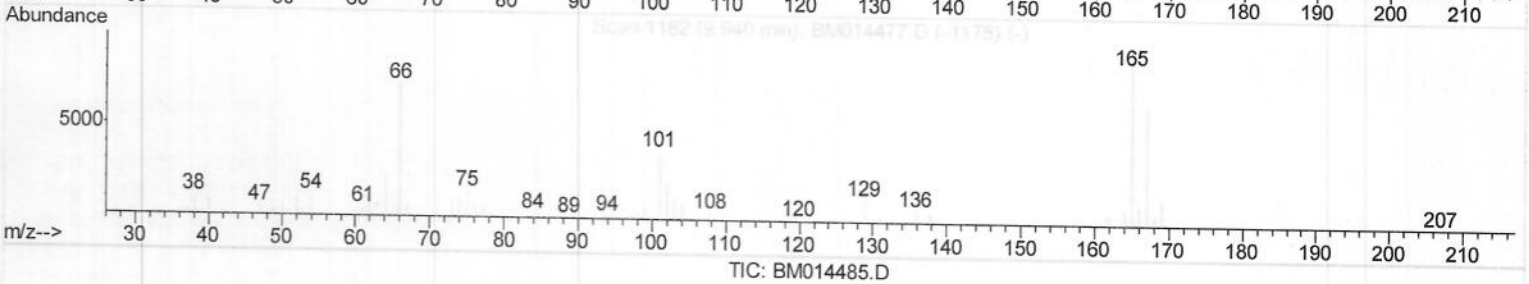
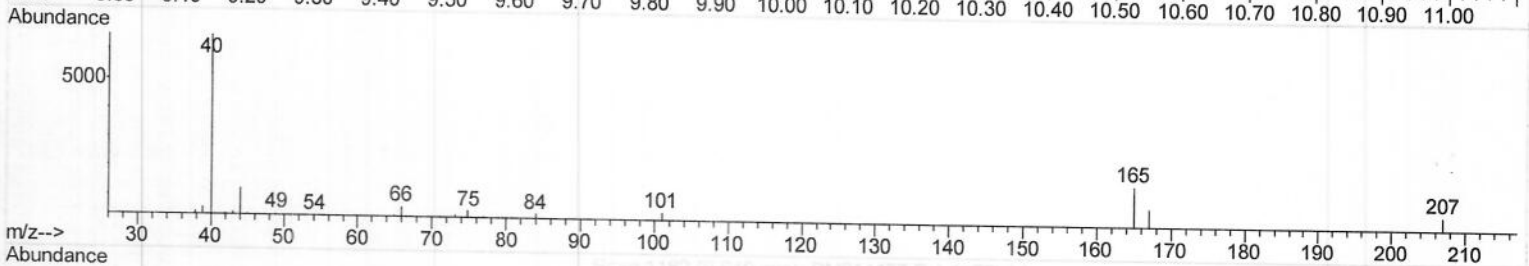
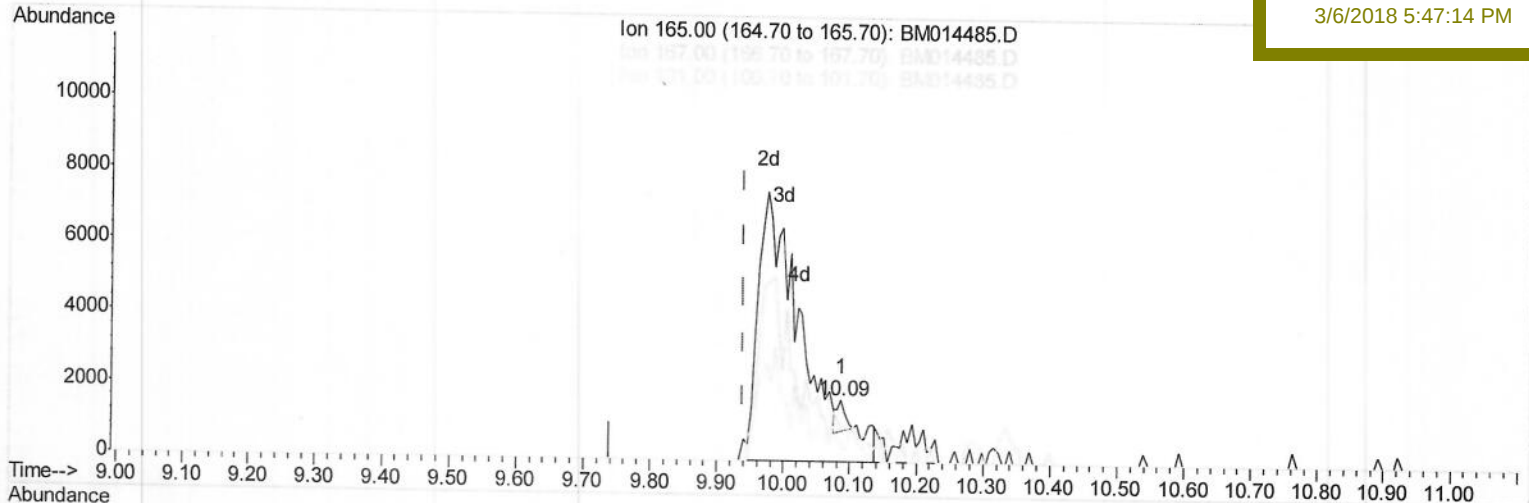
BE5T9DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:14 PM



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

10.087min (+0.147) 0.13ng/ul

response 778

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	53.92
101.00	29.30	33.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

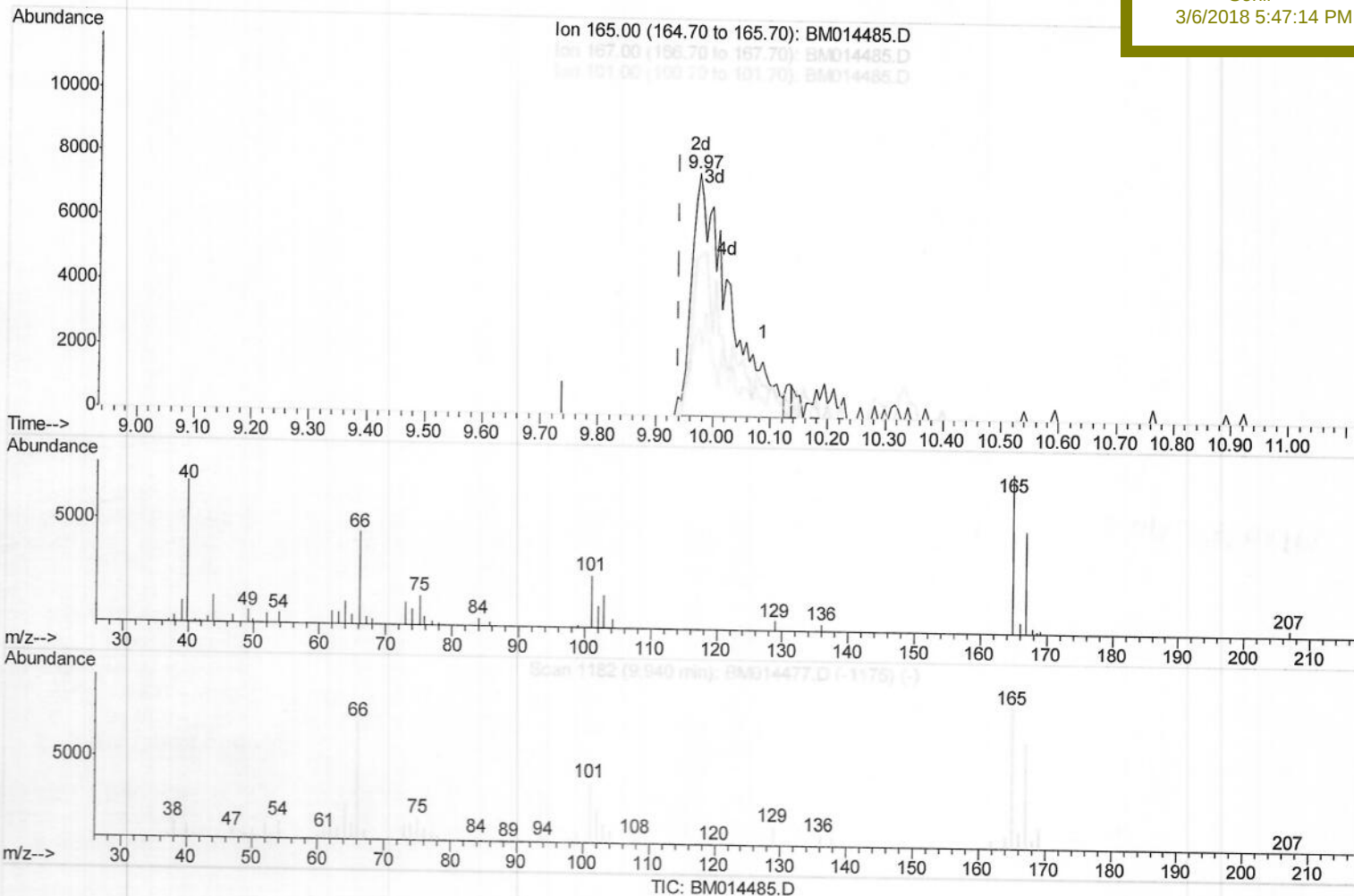
BEST9DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:14 PM



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

9.975min (+0.035) 5.79ng/ul m J1678-09DL 18

response 34667

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	66.15
101.00	29.30	35.71#
0.00	0.00	0.00

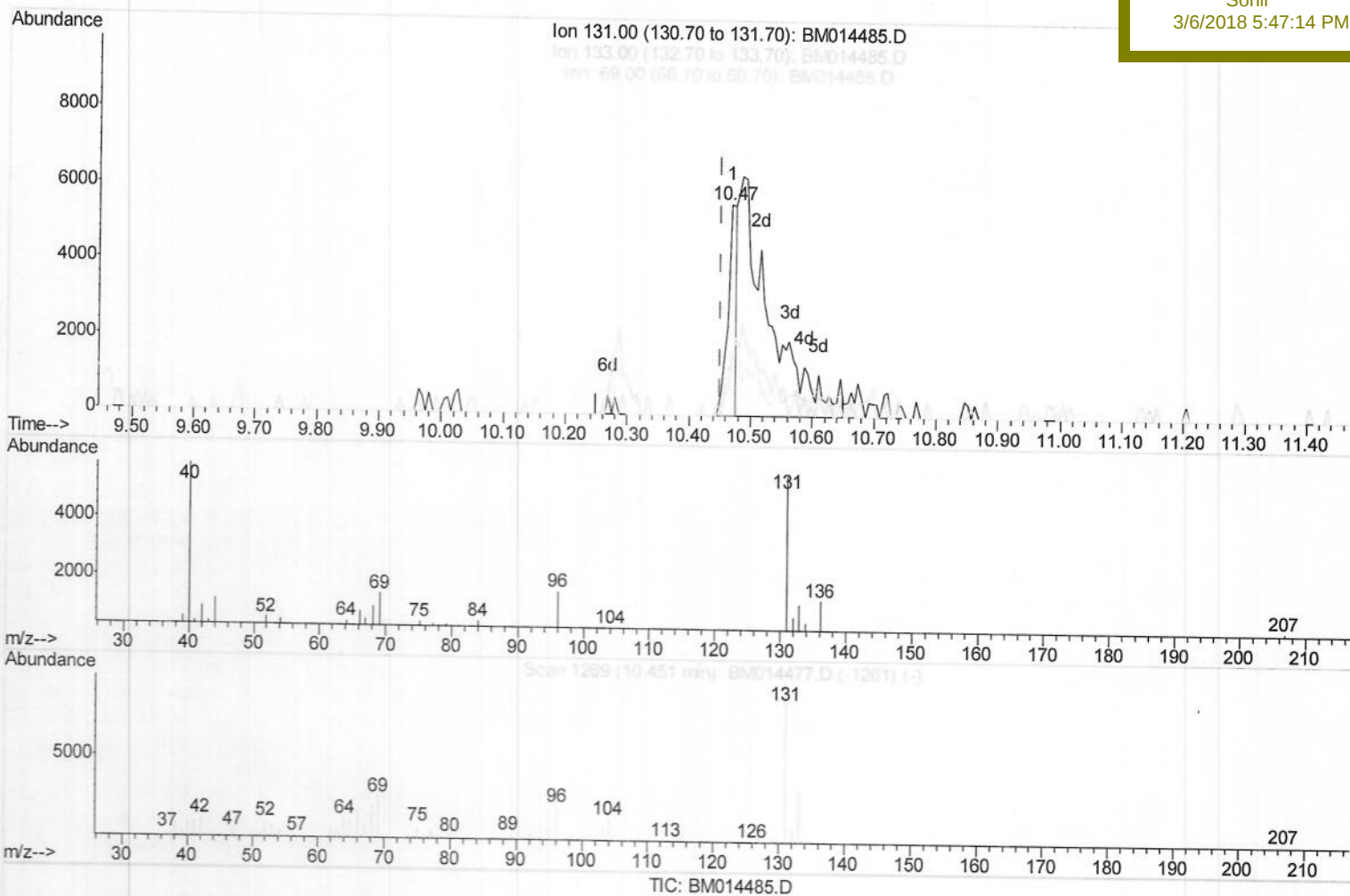
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014485.D
Acq On : 05 Mar 2018 22:35
Operator : SJ/JU
Sample : J1678-09DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5T9DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:14 PM



(29) 4-Chloroaniline-d4 (S)

10.469min (+0.018) 0.94ng/ul

response 5555

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	21.81#
69.00	24.30	25.90
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

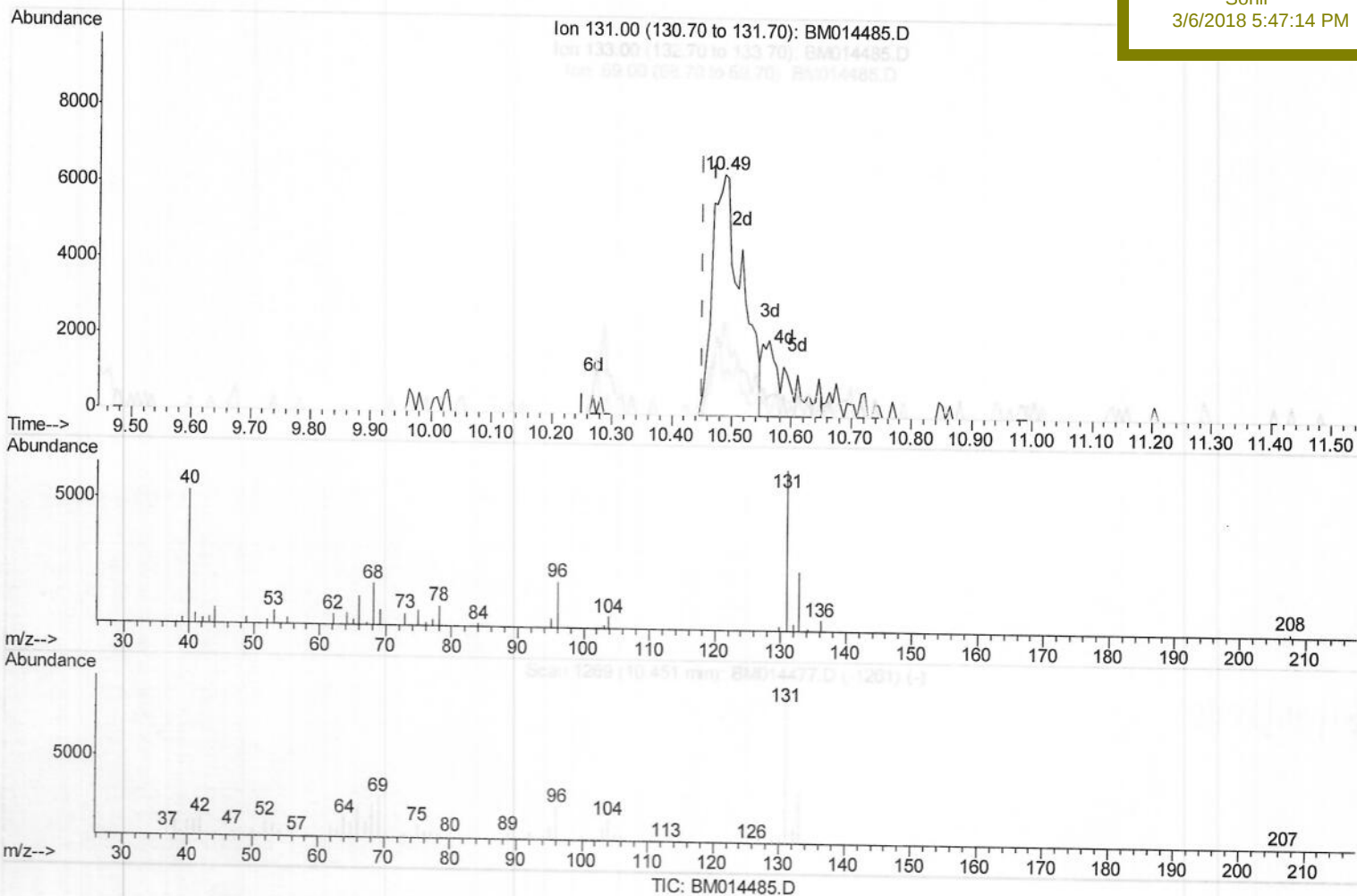
BE5T9DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:14 PM



(29) 4-Chloroaniline-d4 (S)

10.487min (+0.035) 3.64ng/ul m J1678-09DL

response 21482

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	39.09#
69.00	24.30	14.28#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

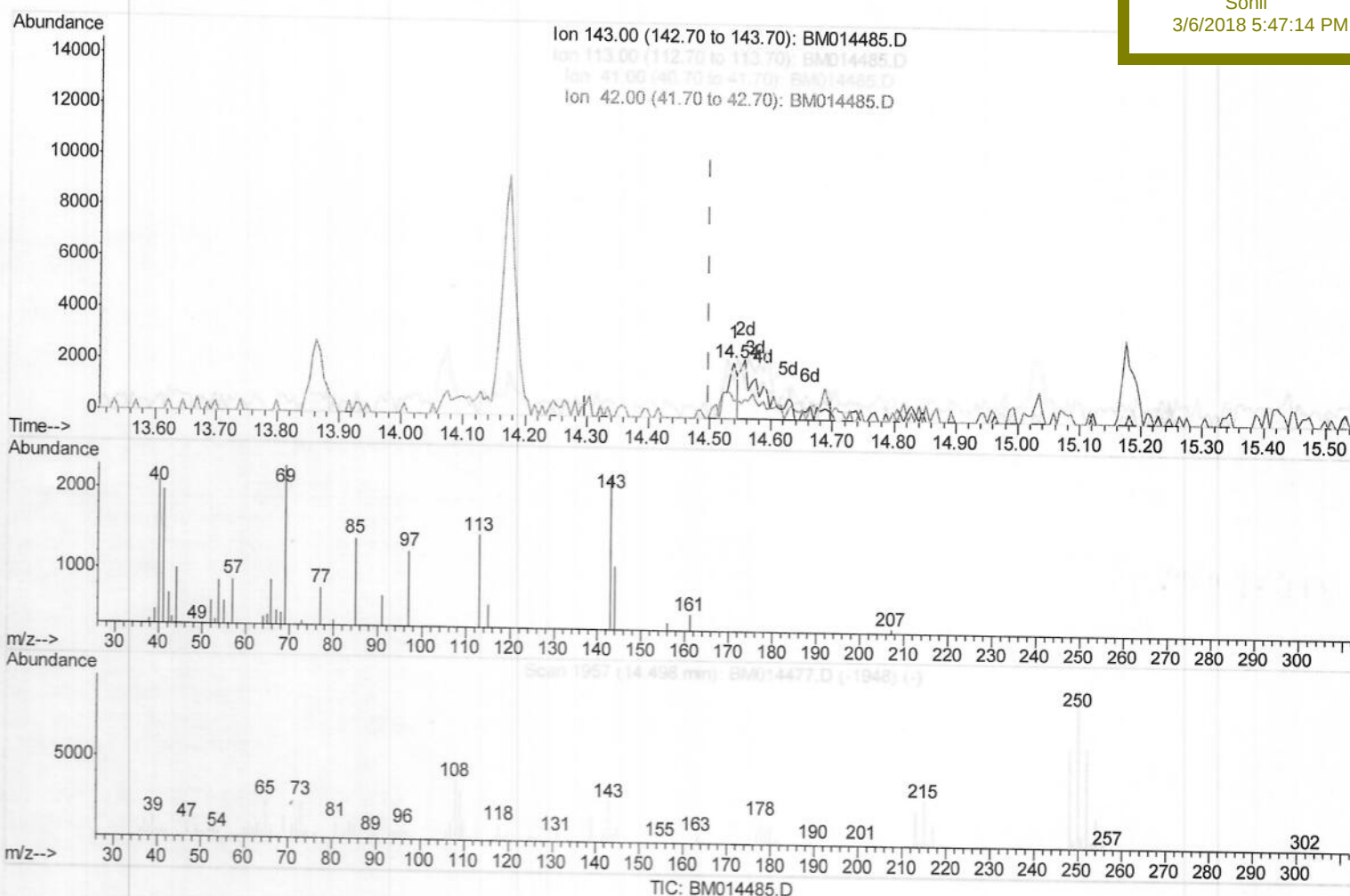
BEST9DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:14 PM



(51) 4-Nitrophenol-d4 (S)

14.539min (+0.041) 1.19ng/ul

response 2894

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	66.50#
41.00	34.80	89.61#
42.00	20.50	31.54#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:00:36 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

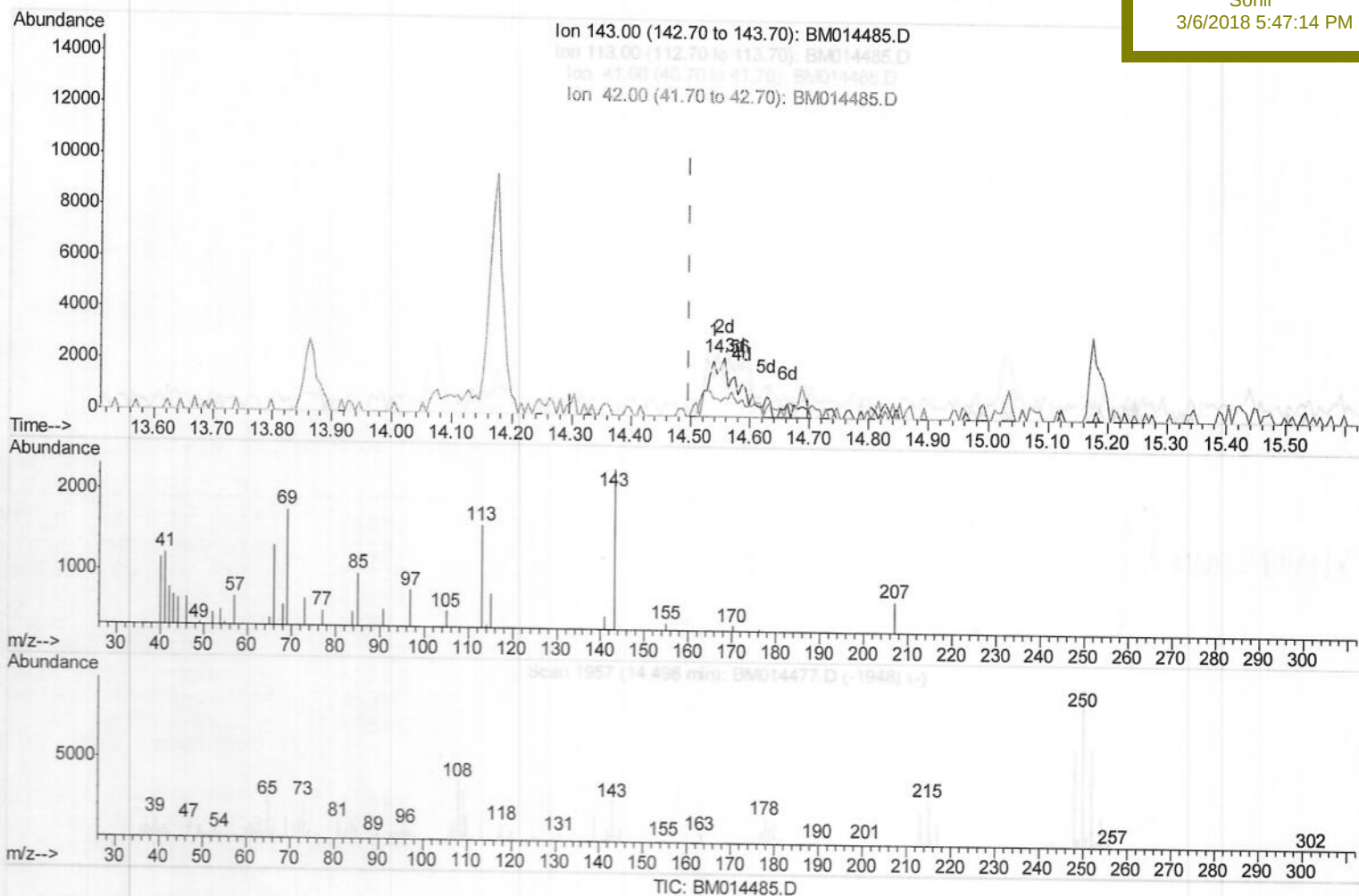
ClientSampleId :

BEST9DL

Manual Integrations
APPROVED

Sohil

3/6/2018 5:47:14 PM



(51) 4-Nitrophenol-d4 (S)

14.557min (+0.059) 3.28ng/ul m > JU 03/09/18

response 7972

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	68.55#
41.00	34.80	51.94#
42.00	20.50	33.43#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:03:18 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

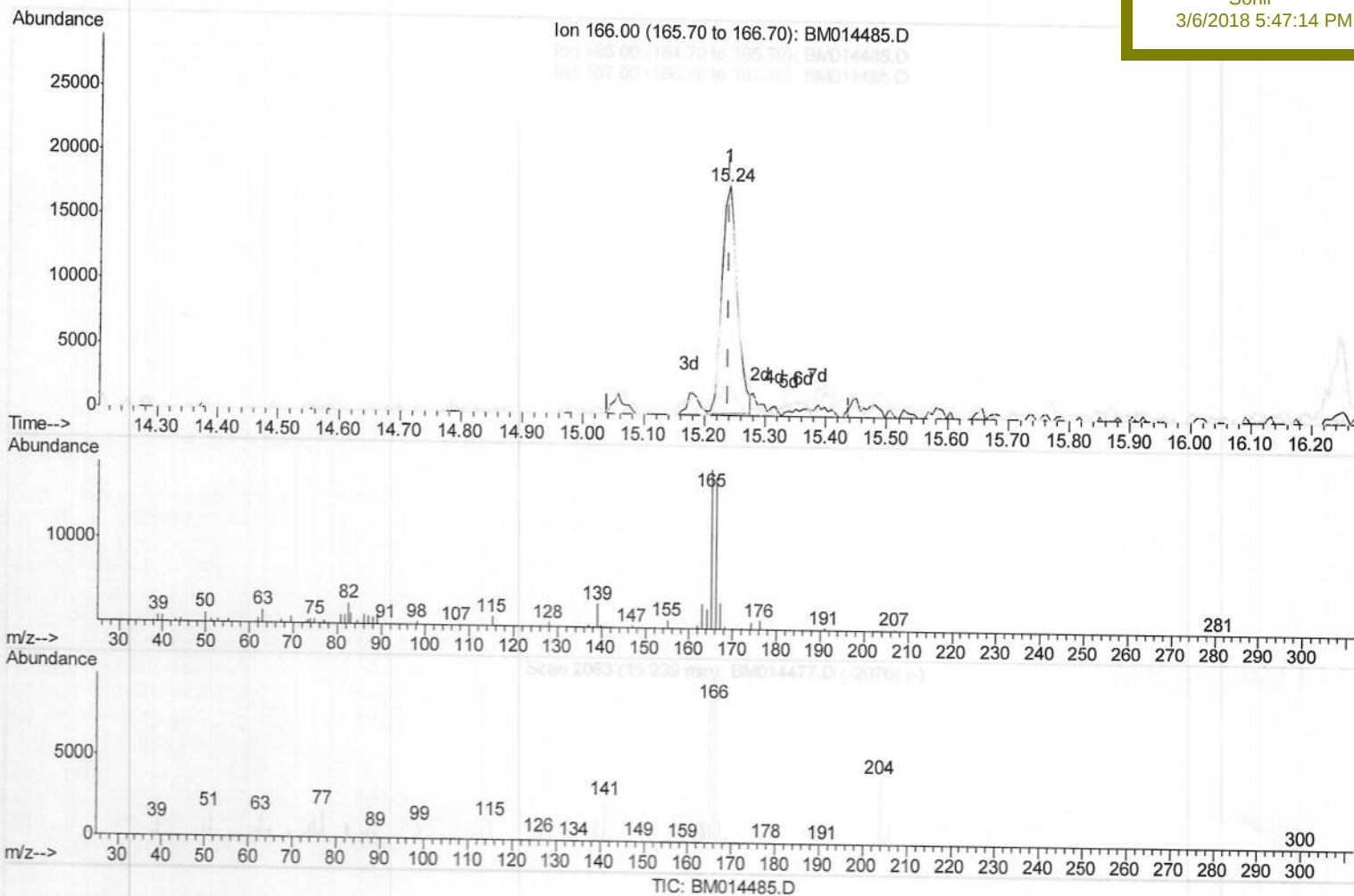
BE5T9DL

Manual Integrations

APPROVED

Sohil

3/6/2018 5:47:14 PM



(58) Fluorene

15.239min (-0.000) 1.68ng/ul

response 31487

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	104.82
167.00	13.30	18.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

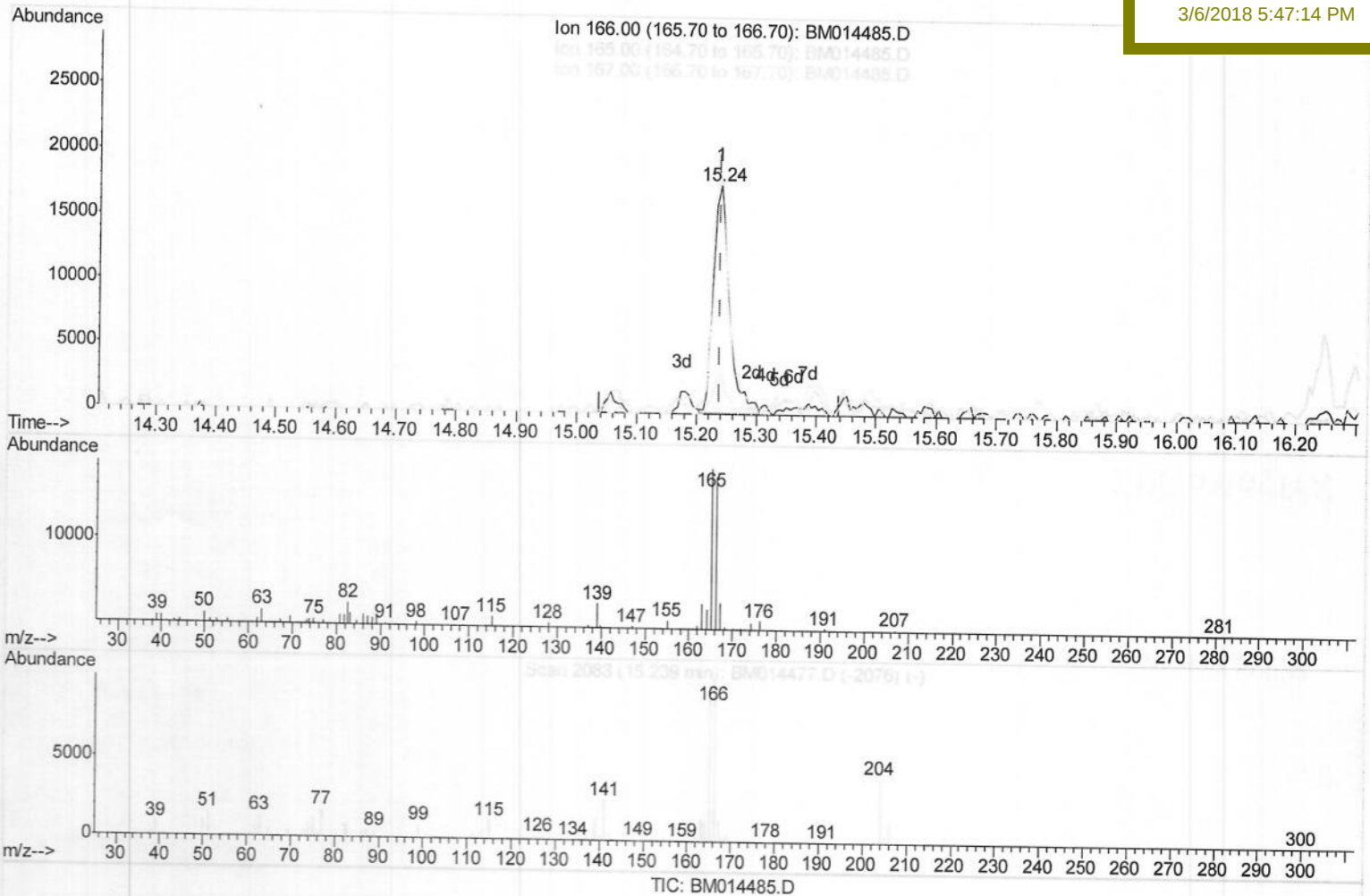
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:03:18 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
ClientSampleId :
 BE5T9DL

Manual Integrations
APPROVED

Sohil
 3/6/2018 5:47:14 PM



(58) Fluorene

15.239min (-0.000) 1.78ng/ul m J1678-09DL

response 33226

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	104.82
167.00	13.30	18.81#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\

Data File : BM014485.D

Acq On : 05 Mar 2018 22:35

Operator : SJ/JU

Sample : J1678-09DL 5X

Misc :

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:05:46 2018

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Mar 05 23:57:03 2018

Response via : Initial Calibration

Instrument :

BNA_M

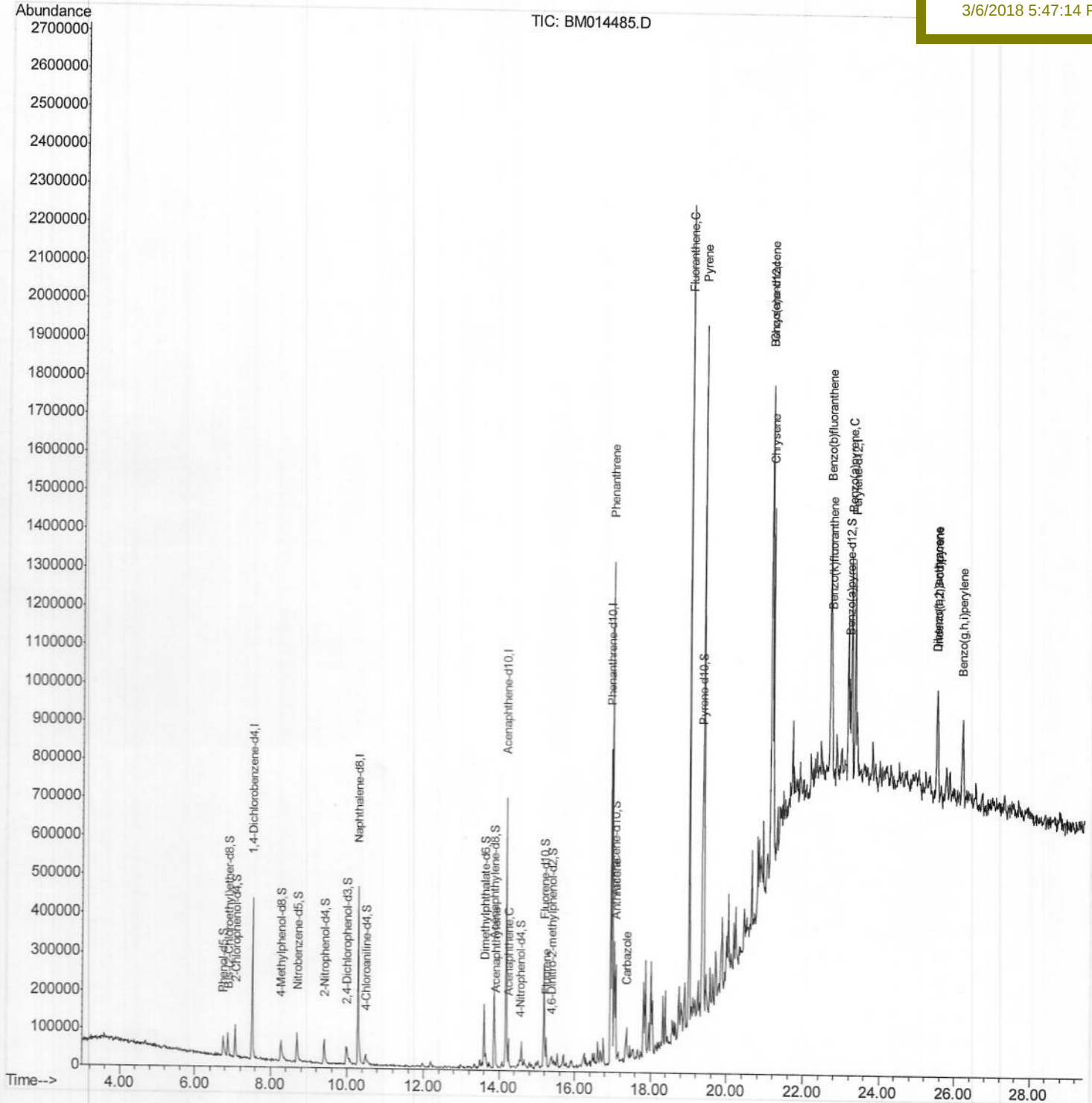
Client Sample ID :

BE5T9DL

Manual Integrations
APPROVED

Sohil

3/6/2018 5:47:14 PM



SOM-EPA-BM021418.M Tue Mar 06 03:06:54 2018

Page: 2

Quantitation Report (Qedit)

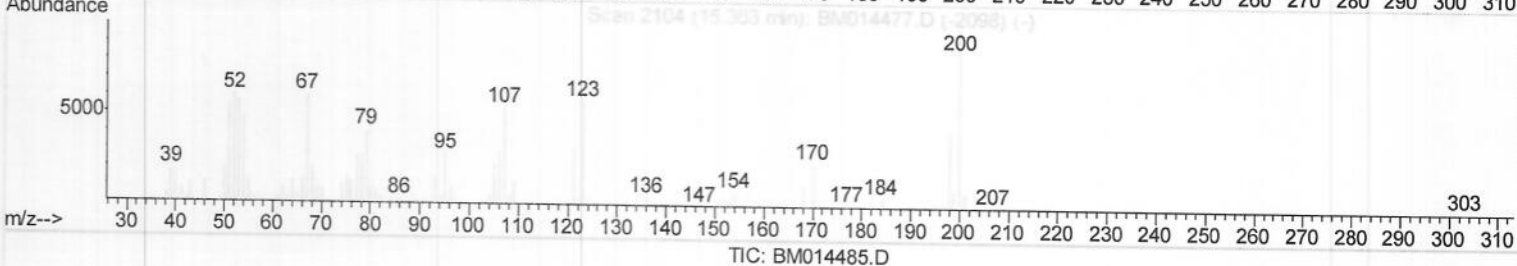
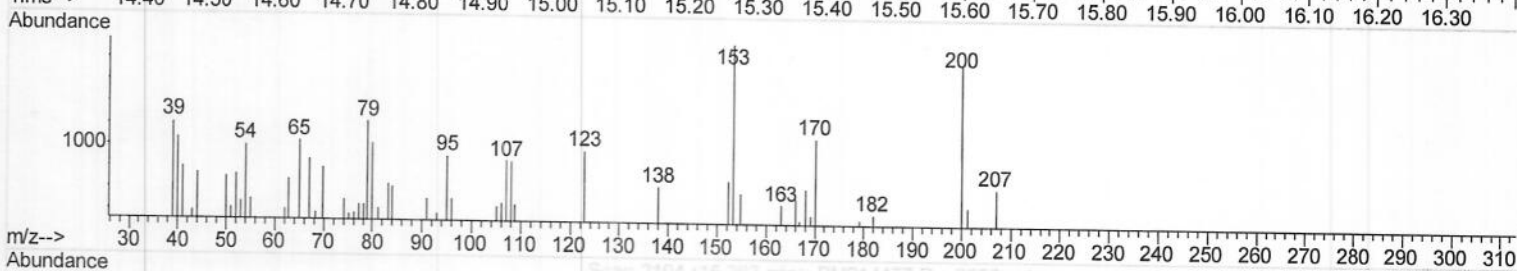
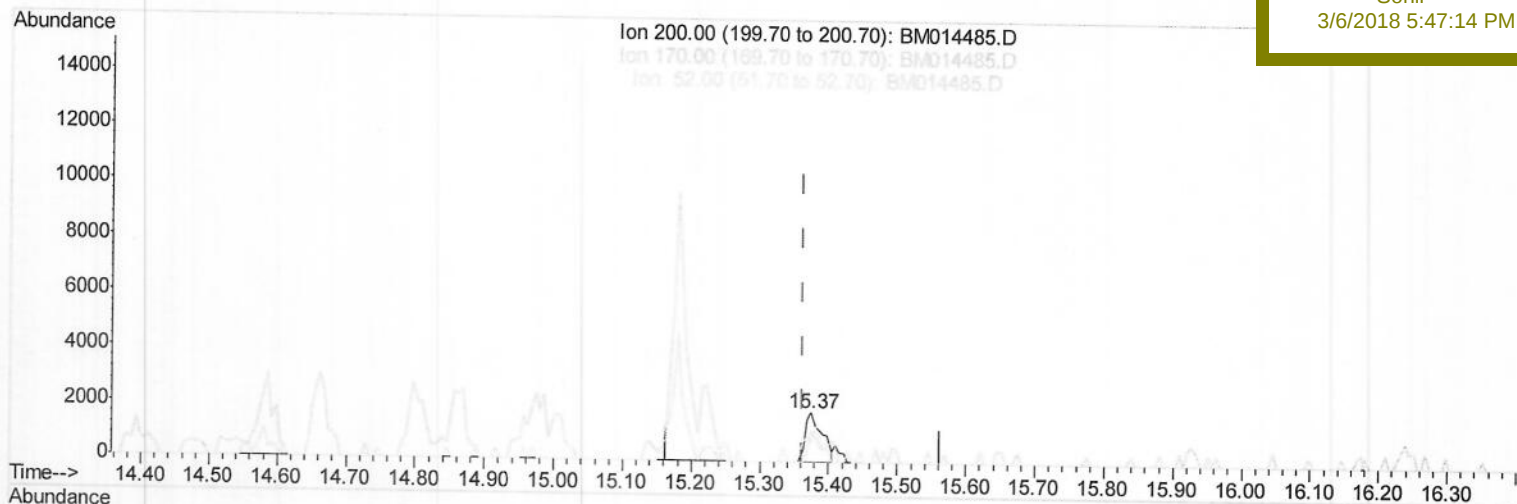
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:03:18 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:14 PM



TIC: BM014485.D

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

15.375min (+0.012) 1.16ng/ul

response 3059

Ion	Exp%	Act%
200.00	100	100
170.00	23.50	61.56#
52.00	49.50	40.39
0.00	0.00	0.00

Quantitation Report (Qedit)

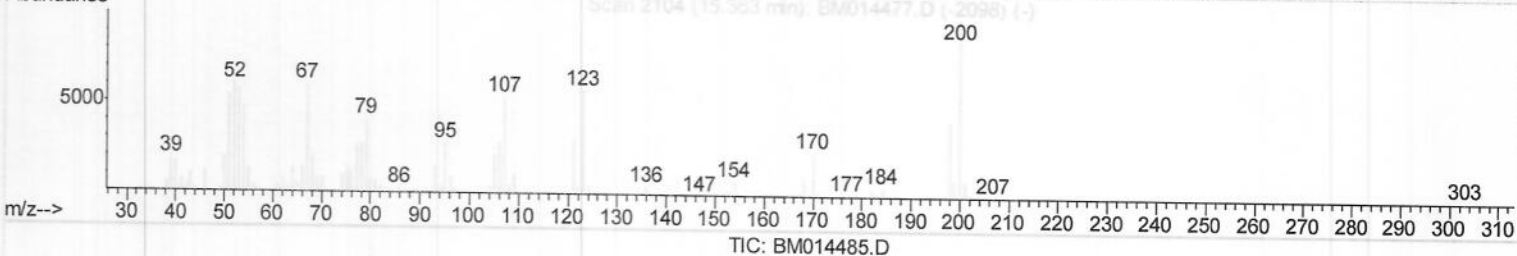
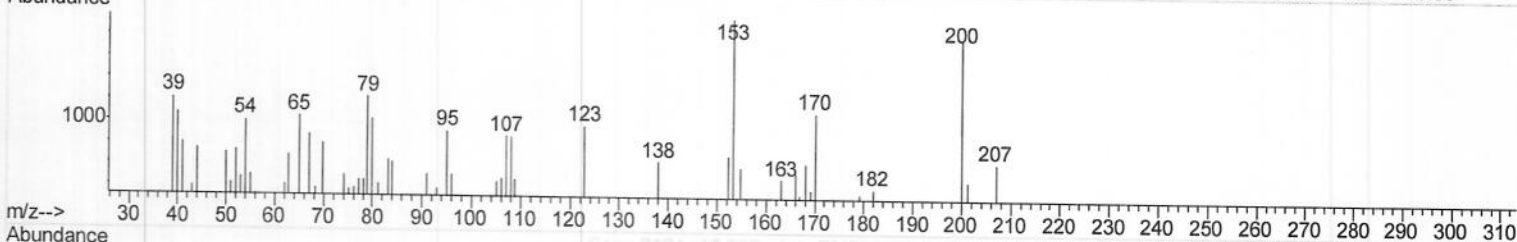
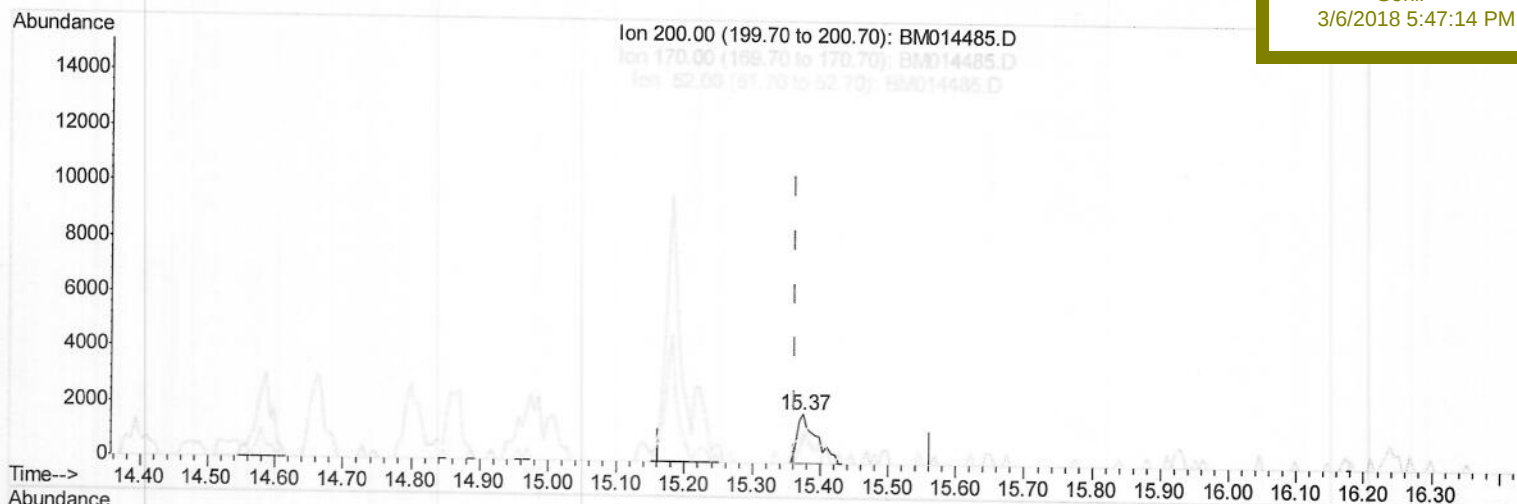
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:03:18 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:14 PM



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

15.375min (+0.012) 1.33ng/ul m > JU03/09/18

response 3504

Ion	Exp%	Act%
200.00	100	100
170.00	23.50	61.56#
52.00	49.50	40.39
0.00	0.00	0.00

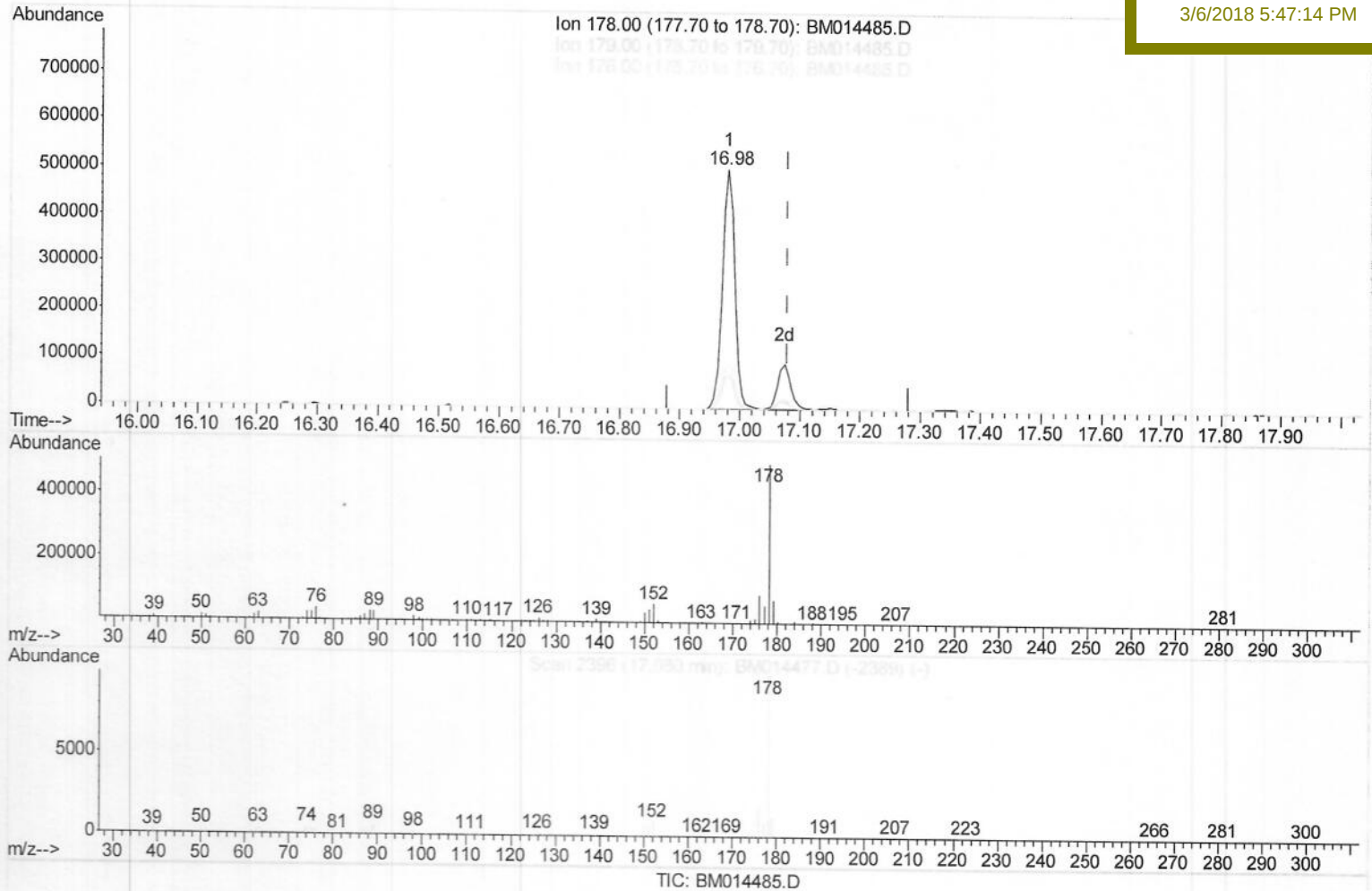
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014485.D
Acq On : 05 Mar 2018 22:35
Operator : SJ/JU
Sample : J1678-09DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:04:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:57:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5T9DL

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:14 PM



(71) Anthracene

16.980min (-0.100) 27.90ng/ul

response 710830

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	14.16
176.00	18.20	18.15
0.00	0.00	0.00

Quantitation Report (Qedit)

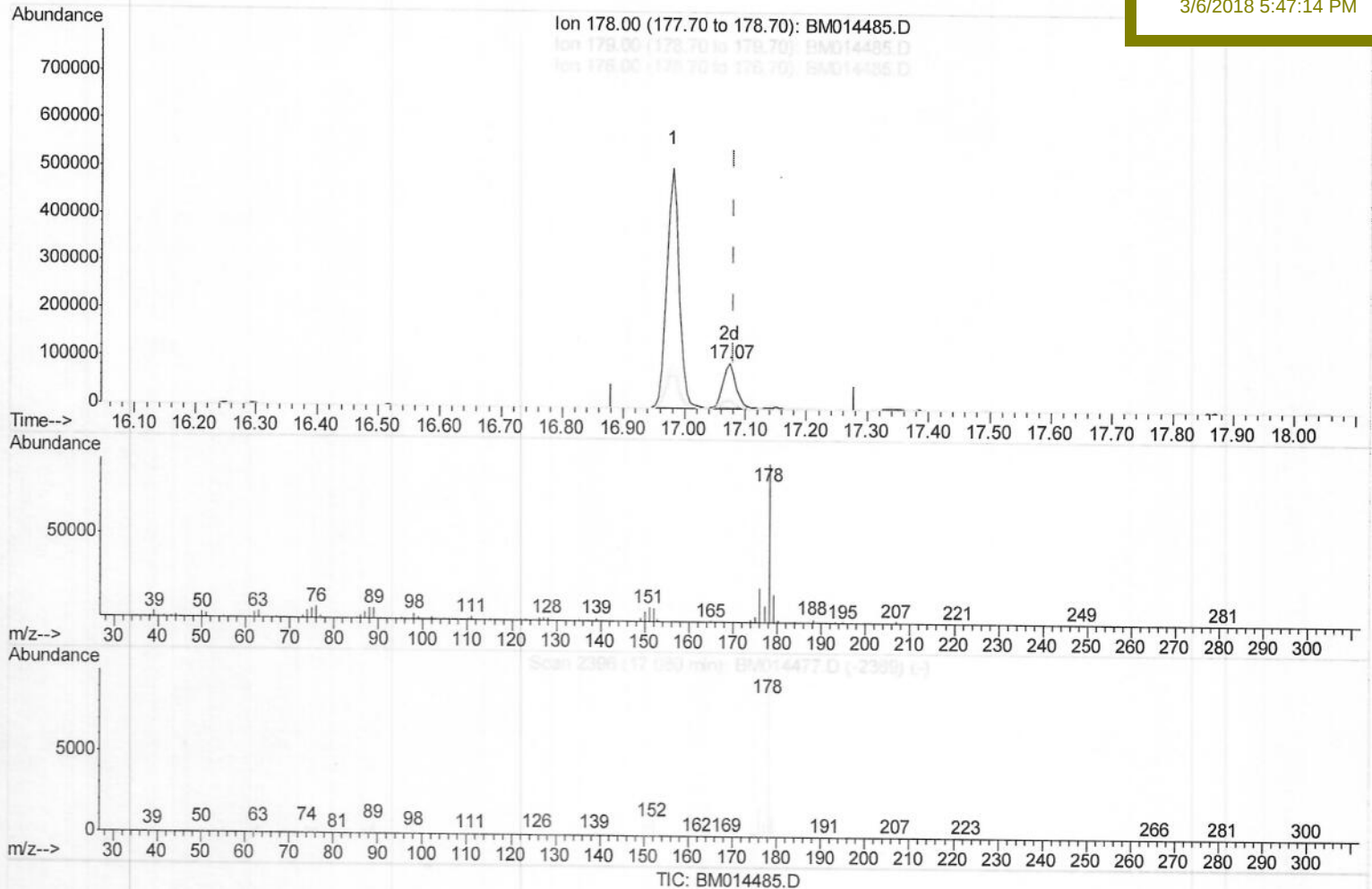
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 03:04:49 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:14 PM



(71) Anthracene

17.074min (-0.006) 5.20ng/ul m) JV 03/09/18

response 132501

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	17.55#
176.00	18.20	21.34
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample ID :
 BE5T9DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:14 PM

Quant Time: Mar 06 03:05:46 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	101126	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	378228	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	213313	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	439675	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	389467	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	377533	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1902	0.81	ng/uL	0.00
5) Phenol-d5	6.75	99	40082	4.69	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	27901	5.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	37677m)	5.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	25348	3.39	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	18409m)	6.59	ng/ul	0.01
22) 2-Nitrophenol-d4	9.39	143	19760m)	6.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	34667m)	5.79	ng/ul	0.04
29) 4-Chloroaniline-d4	10.49	131	21482m)	3.64	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	114600	6.51	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	147071	6.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	7972m)	3.28	ng/ul	0.06
57) Fluorene-d10	15.18	176	101768	6.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	3504m)	1.33	ng/ul	0.01
70) Anthracene-d10	17.04	188	149965	7.07	ng/ul	0.00
76) Pyrene-d10	19.34	212	154550	7.69	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	127397	6.93	ng/ul	0.00

JU03/09/18

Target Compounds

					Ovalue	
47) Acenaphthylene	13.90	152	43612	2.124	ng/ul	96
49) Acenaphthene	14.24	153	29375	2.032	ng/ul	96
58) Fluorene	15.24	166	33226m)	1.775	ng/ul	
69) Phenanthrene	16.98	178	710830	28.060	ng/ul	98
71) Anthracene	17.07	178	132501m)	5.201	ng/ul	
72) Carbazole	17.36	167	50993	2.380	ng/ul	97
74) Fluoranthene	19.01	202	1139838	37.661	ng/ul#	96
77) Pyrene	19.38	202	1024021	39.564	ng/ul#	96
80) Benzo(a)anthracene	21.14	228	492292	20.253	ng/ul	98
82) Chrysene	21.19	228	420155	18.529	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	536425	21.220	ng/ul#	95
86) Benzo(k)fluoranthene	22.73	252	135725	5.647	ng/ul#	98
88) Benzo(a)pyrene	23.24	252	381594	16.893	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.52	276	250235	11.416	ng/ul	97
90) Dibenzo(a,h)anthracene	25.50	278	81152	4.455	ng/ul#	85
91) Benzo(g,h,i)perylene	26.19	276	221579	12.478	ng/ul#	96

JU03/09/18

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