

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:04:45 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

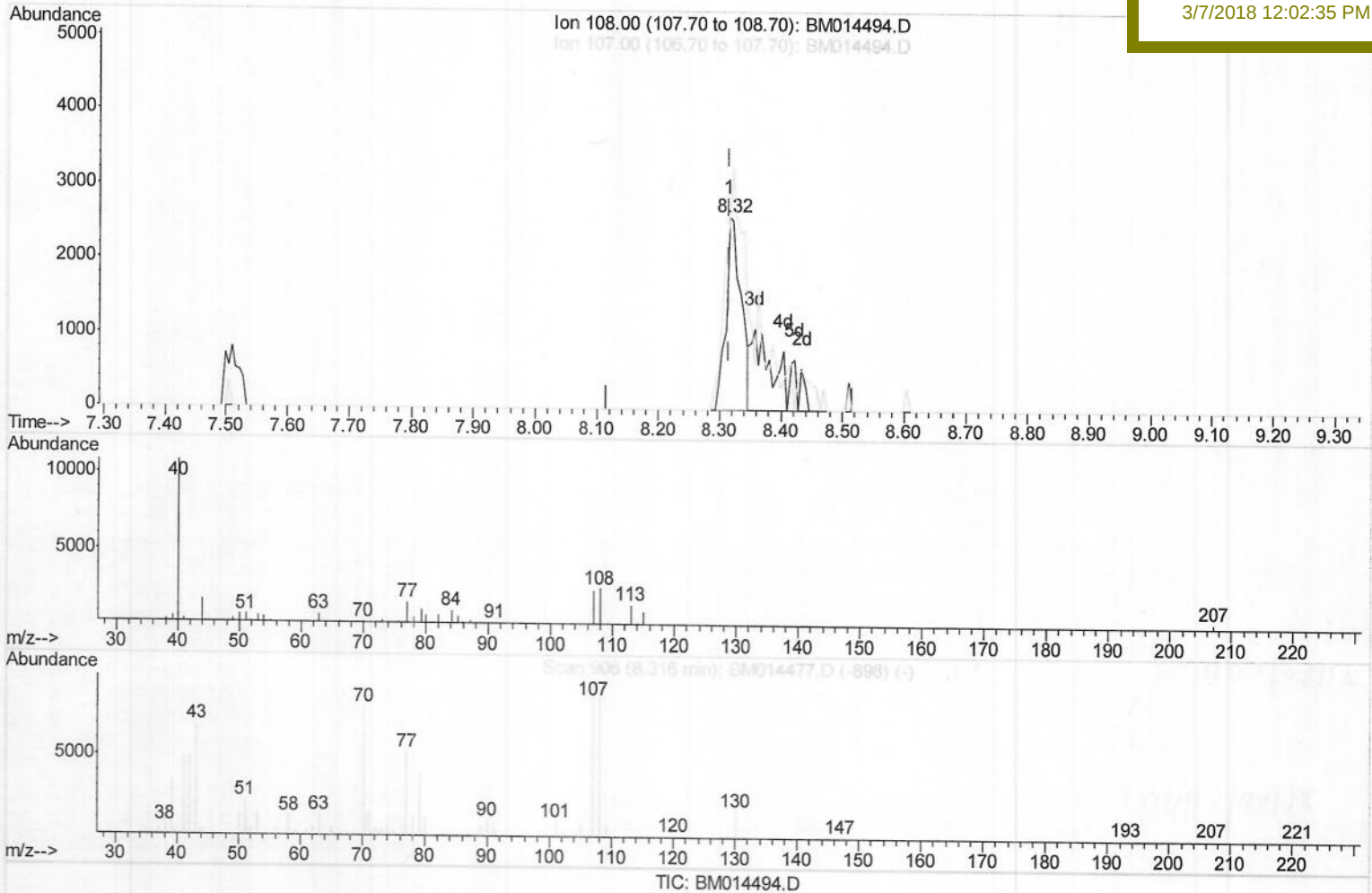
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(16) 4-Methylphenol

8.316min (-0.000) 0.63ng/ul

response 4541

Ion	Exp%	Act%
108.00	100	100
107.00	106.10	96.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

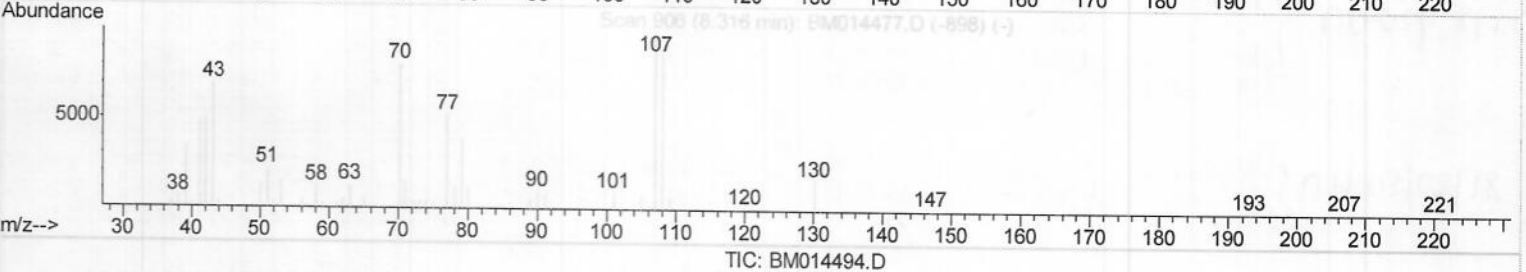
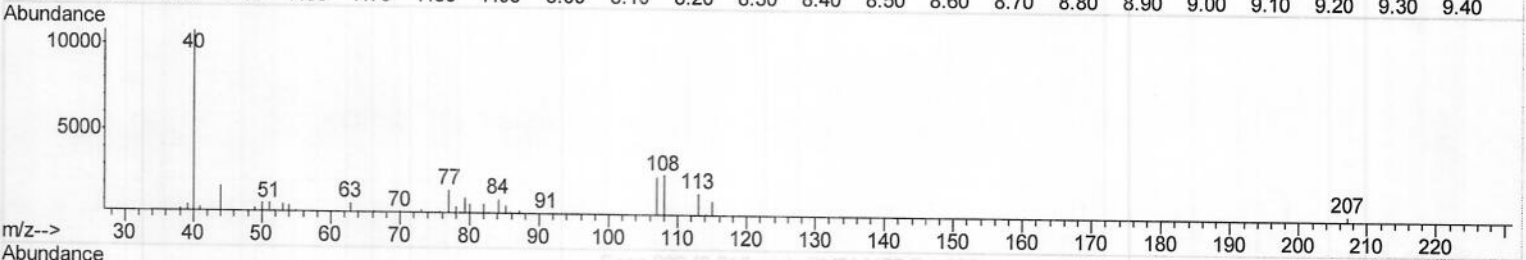
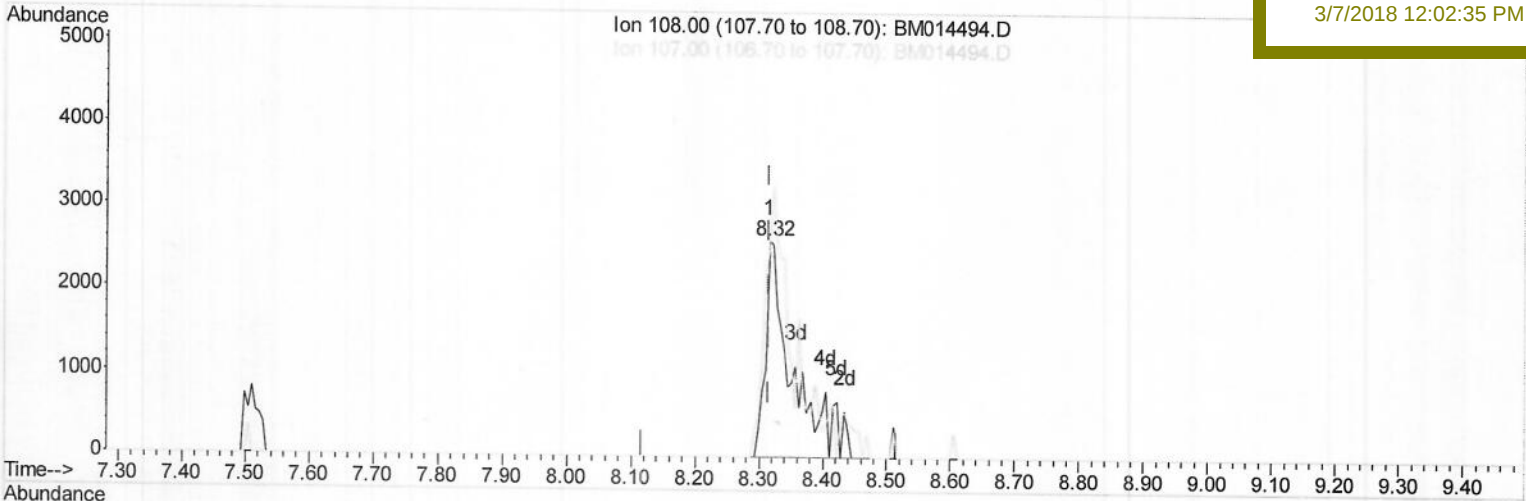
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\
 Data File : BM014494.D
 Acq On : 06 Mar 2018 10:54
 Operator : SJ/JU
 Sample : J1678-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:04:45 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 06 12:22:39 2018
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 BEST0DL

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:02:35 PM



(16) 4-Methylphenol

8.316min (-0.000) 1.08ng/ul m J1678-01DL 5X

response 7767

Ion	Exp%	Act%
108.00	100	100
107.00	106.10	96.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:04:45 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

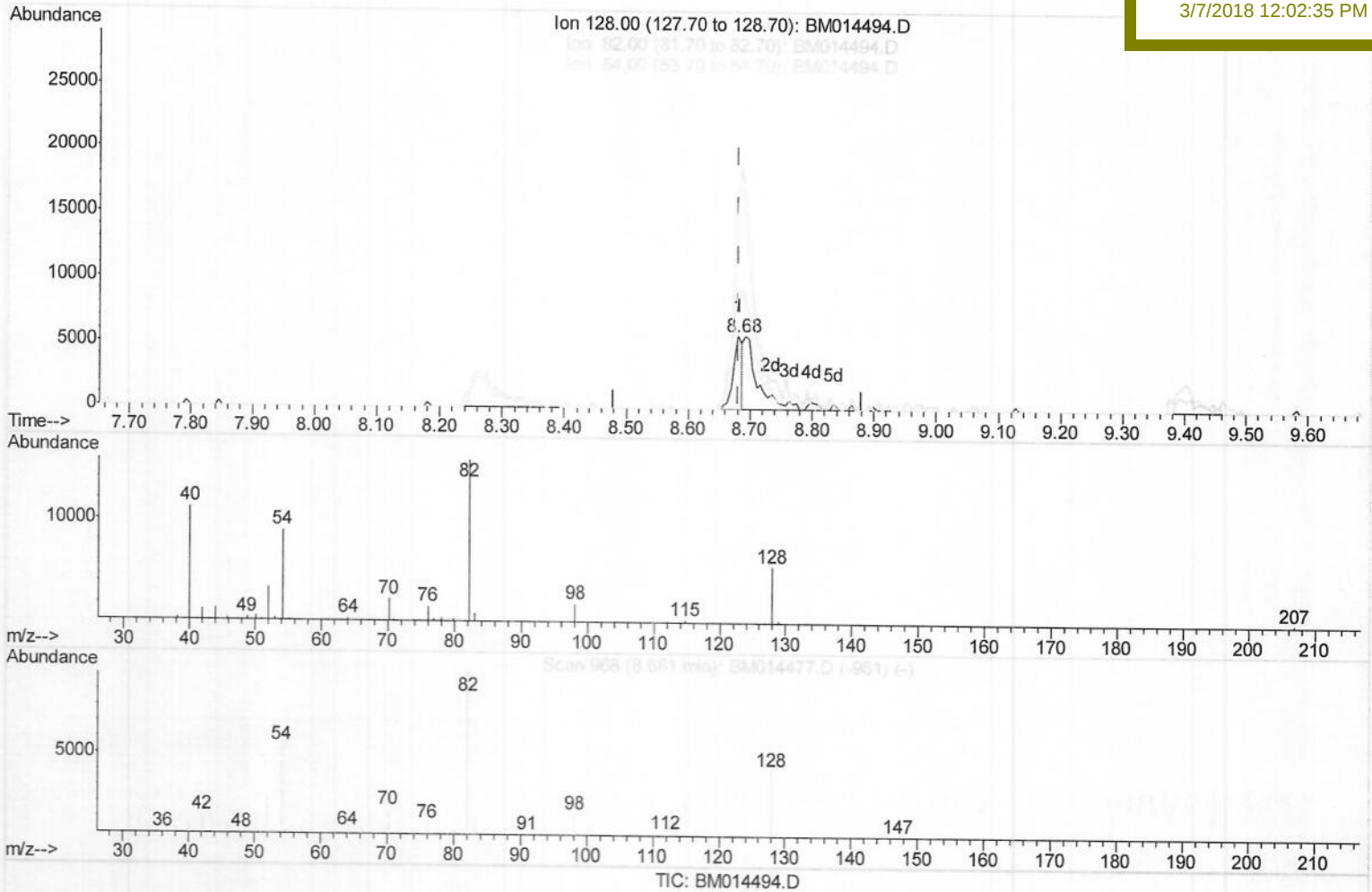
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(19) Nitrobenzene-d5 (S)

8.681min (-0.000) 2.38ng/ul

response 6225

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	277.80
54.00	142.70	157.01
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:04:45 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

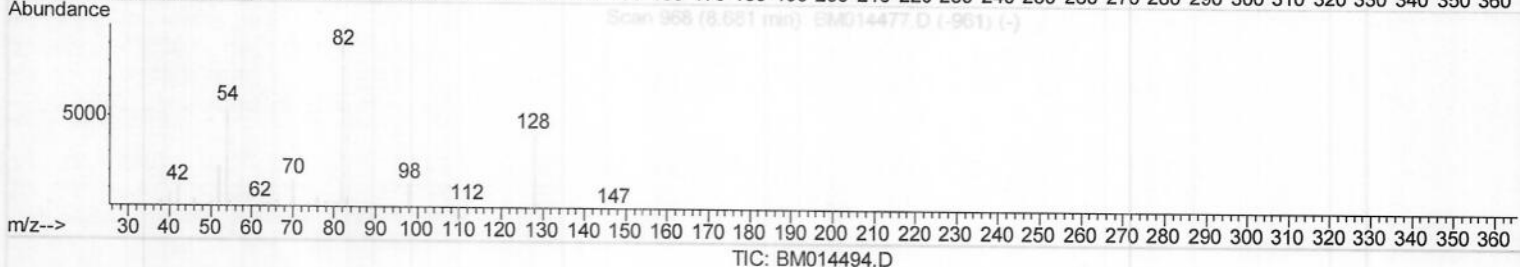
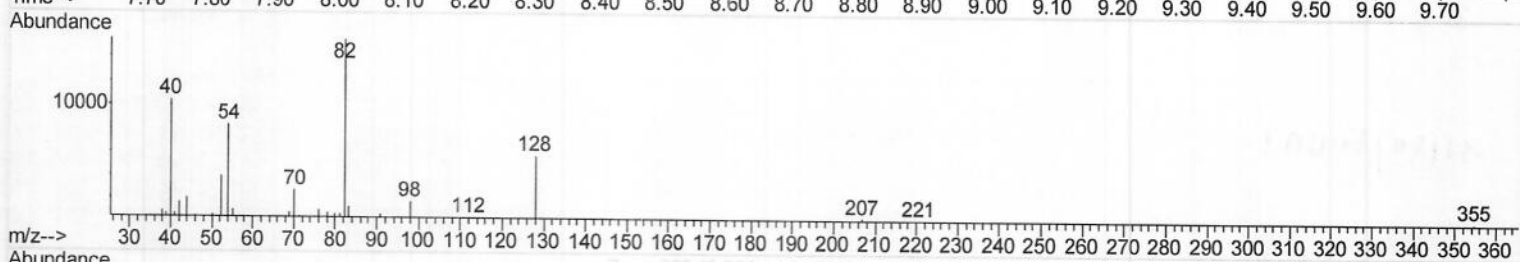
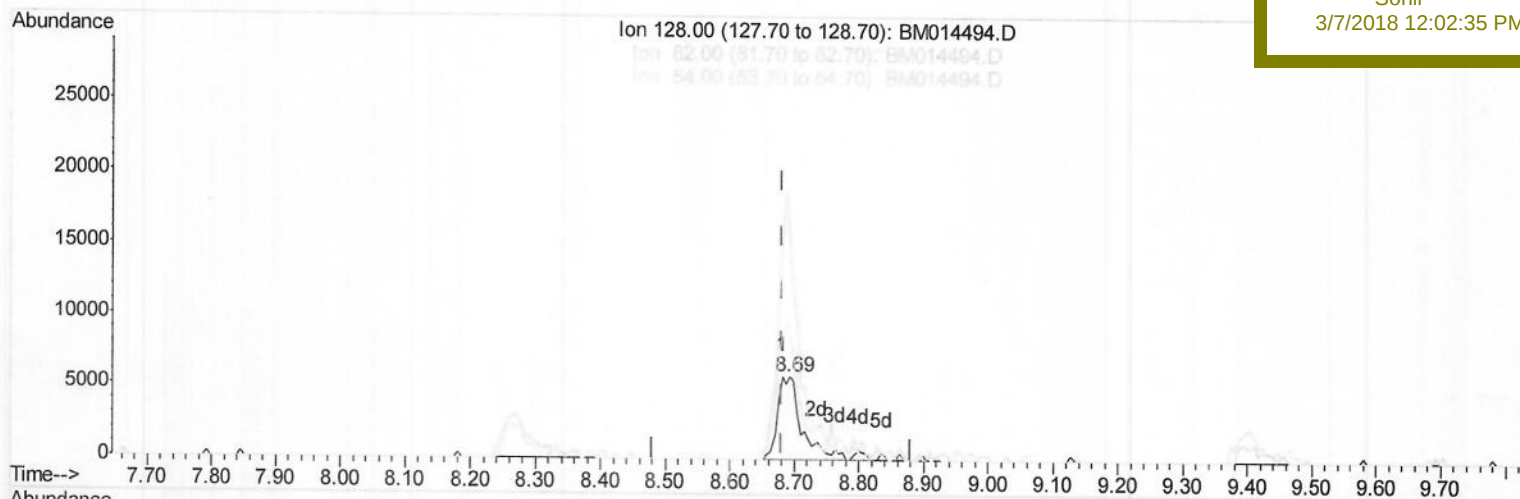
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(19) Nitrobenzene-d5 (S)

8.693min (+0.012) 6.07ng/ul m >JU03/09/18

response 15898

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	270.17
54.00	142.70	144.90
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:04:45 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

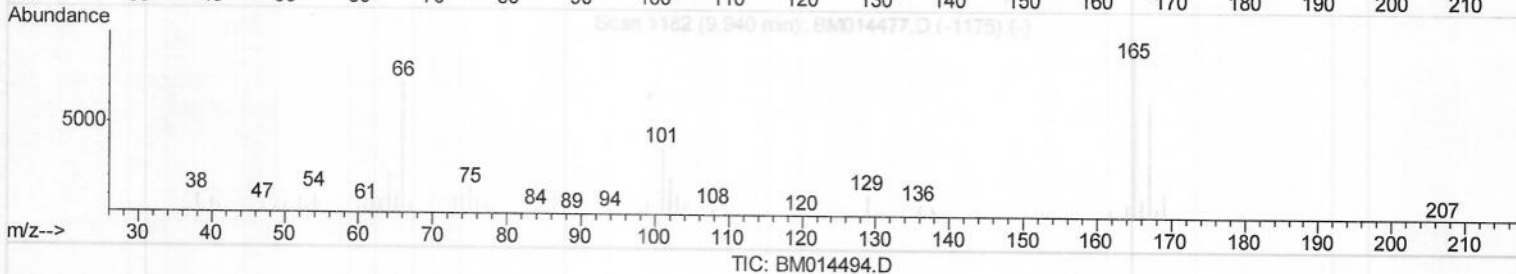
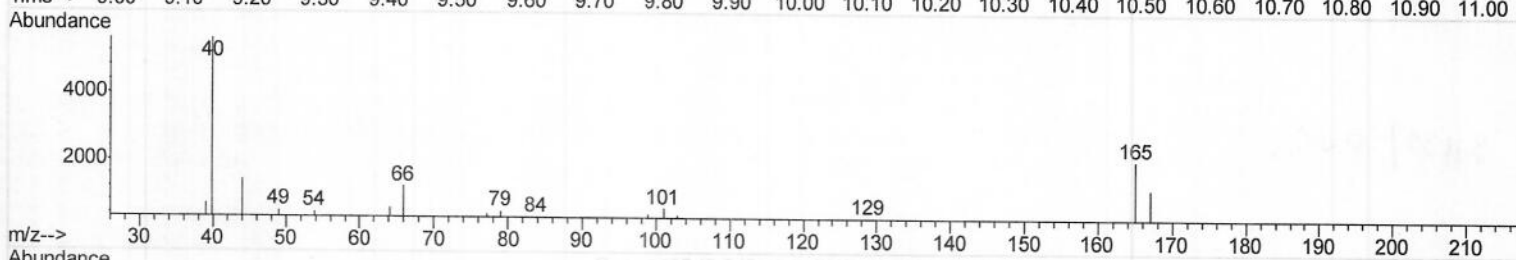
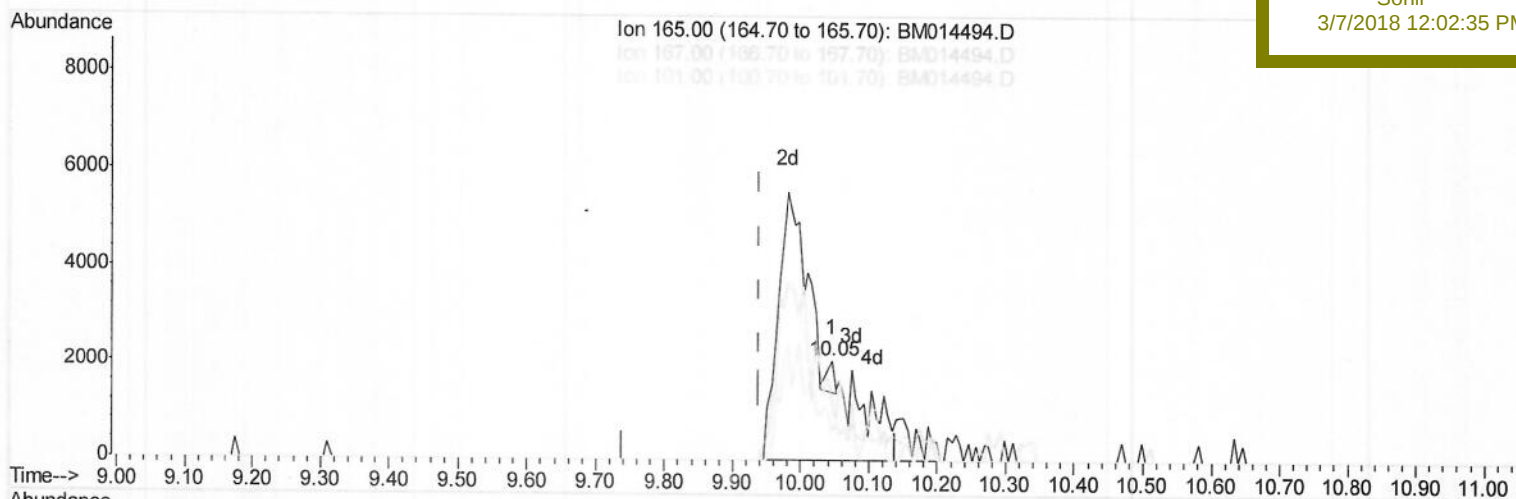
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



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

10.045min (+0.106) 0.09ng/ul

response 480

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	58.13
101.00	29.30	28.29
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:04:45 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

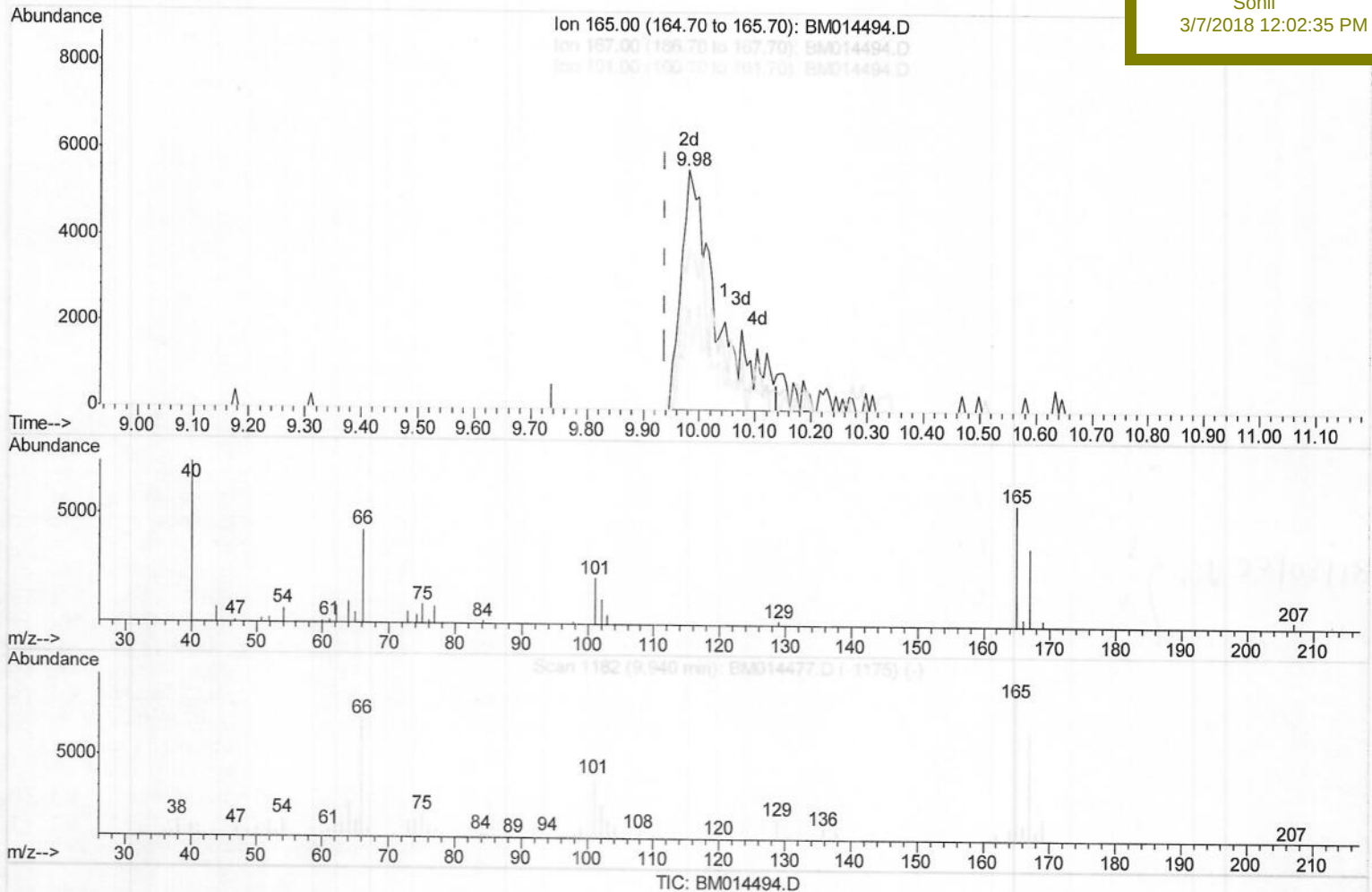
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



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

9.981min (+0.041) 4.80ng/ul m J1678-01DL

response 26957

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	66.62
101.00	29.30	42.10#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

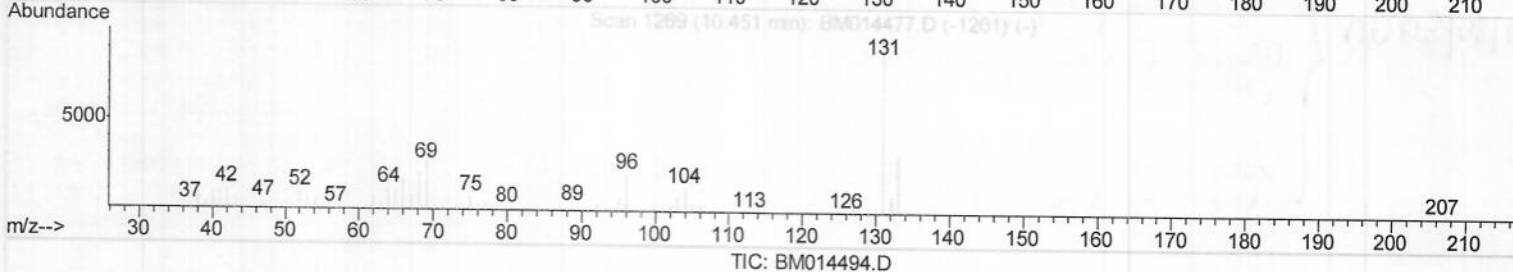
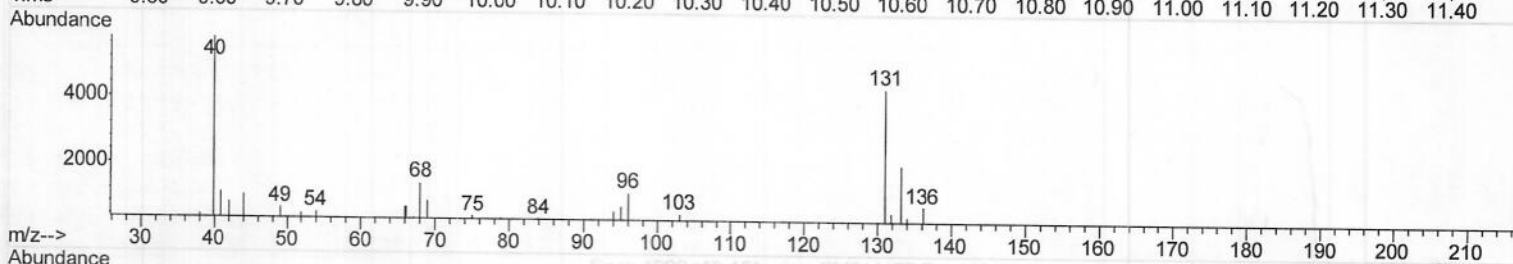
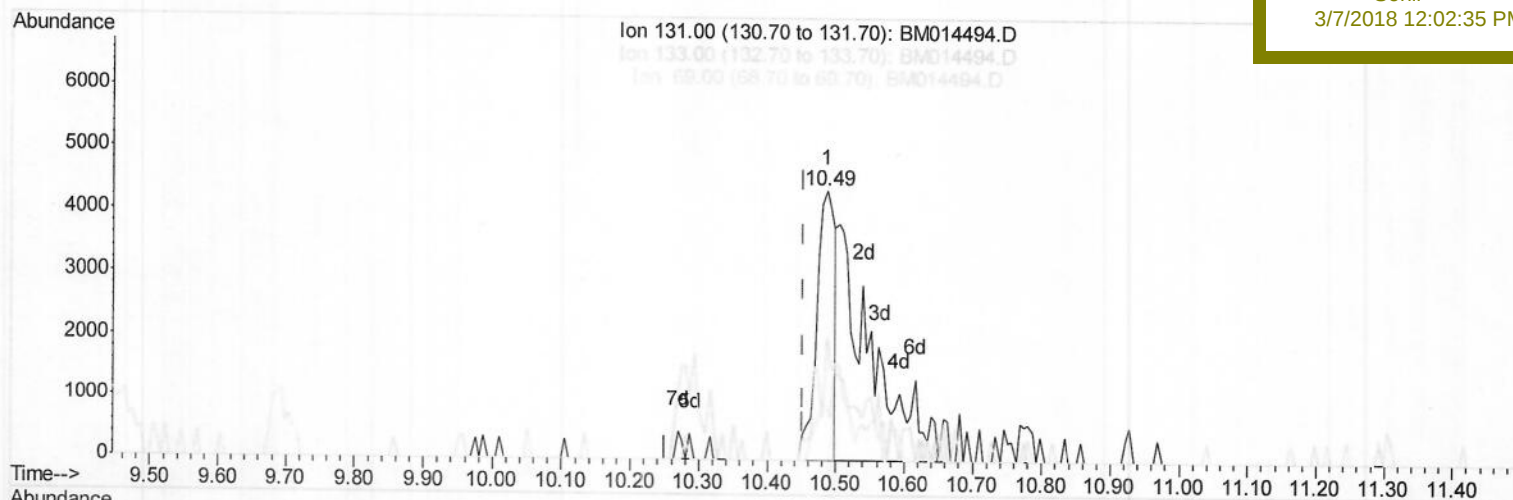
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(29) 4-Chloroaniline-d4 (S)

10.487min (+0.035) 1.46ng/ul

response 8065

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	46.80#
69.00	24.30	19.95
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

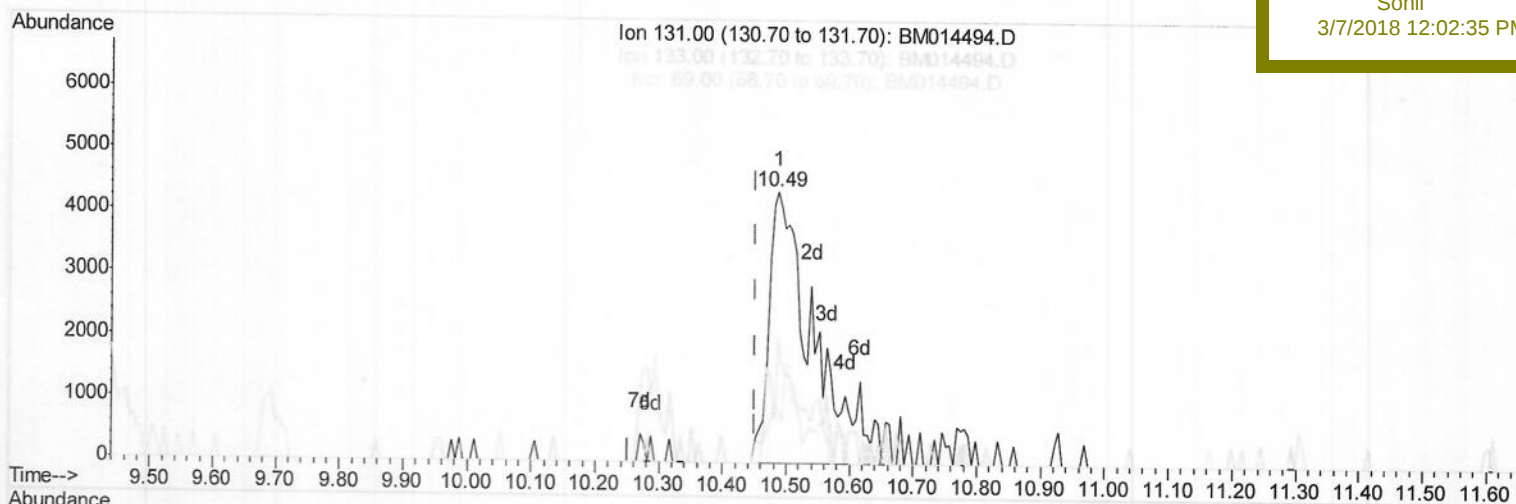
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(29) 4-Chloroaniline-d4 (S)

10.487min (+0.035) 3.84ng/ul m > JU03/09/18

response 21234

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	46.80#
69.00	24.30	19.95
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

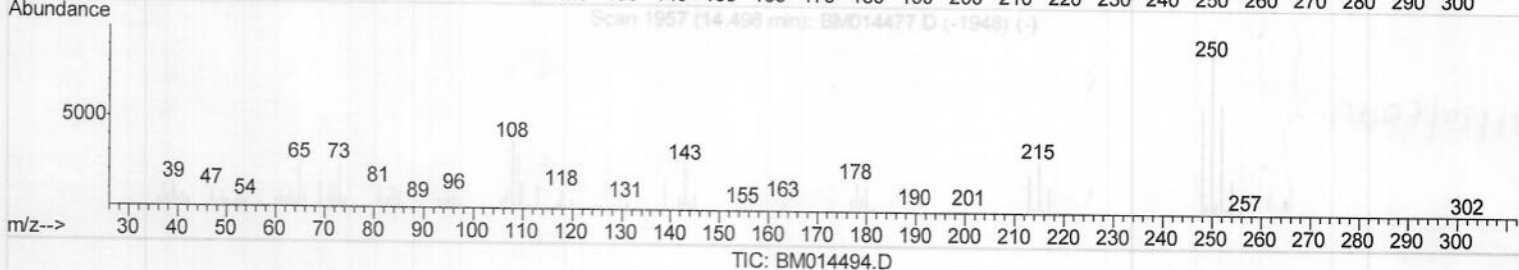
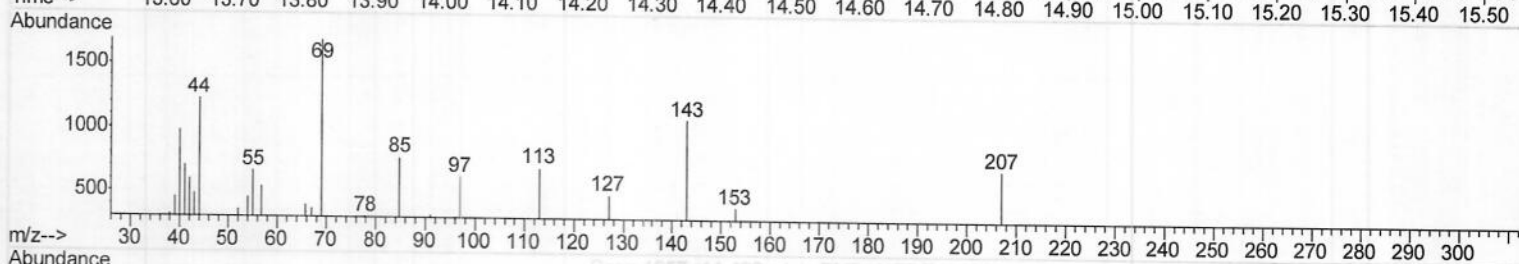
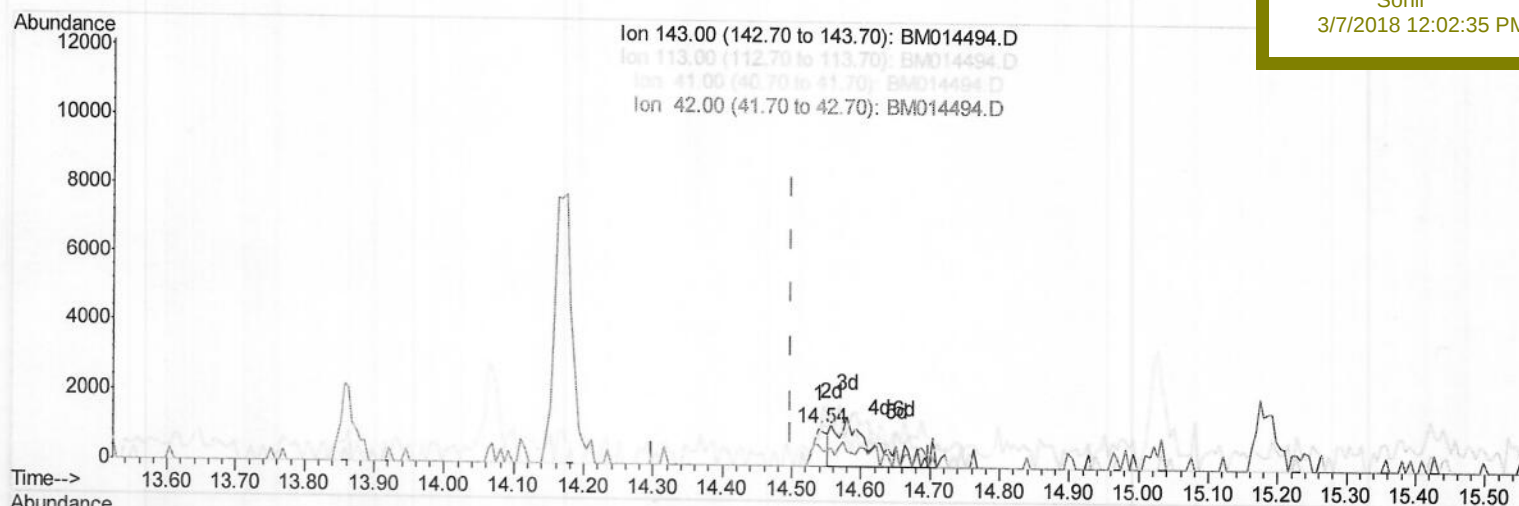
ClientSampleId :

BEST0DL

Manual Integrations
APPROVED

Sohil

3/7/2018 12:02:35 PM



(51) 4-Nitrophenol-d4 (S)

14.539min (+0.041) 0.66ng/ul

response 1459

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	64.29#
41.00	34.80	64.48#
42.00	20.50	55.32#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

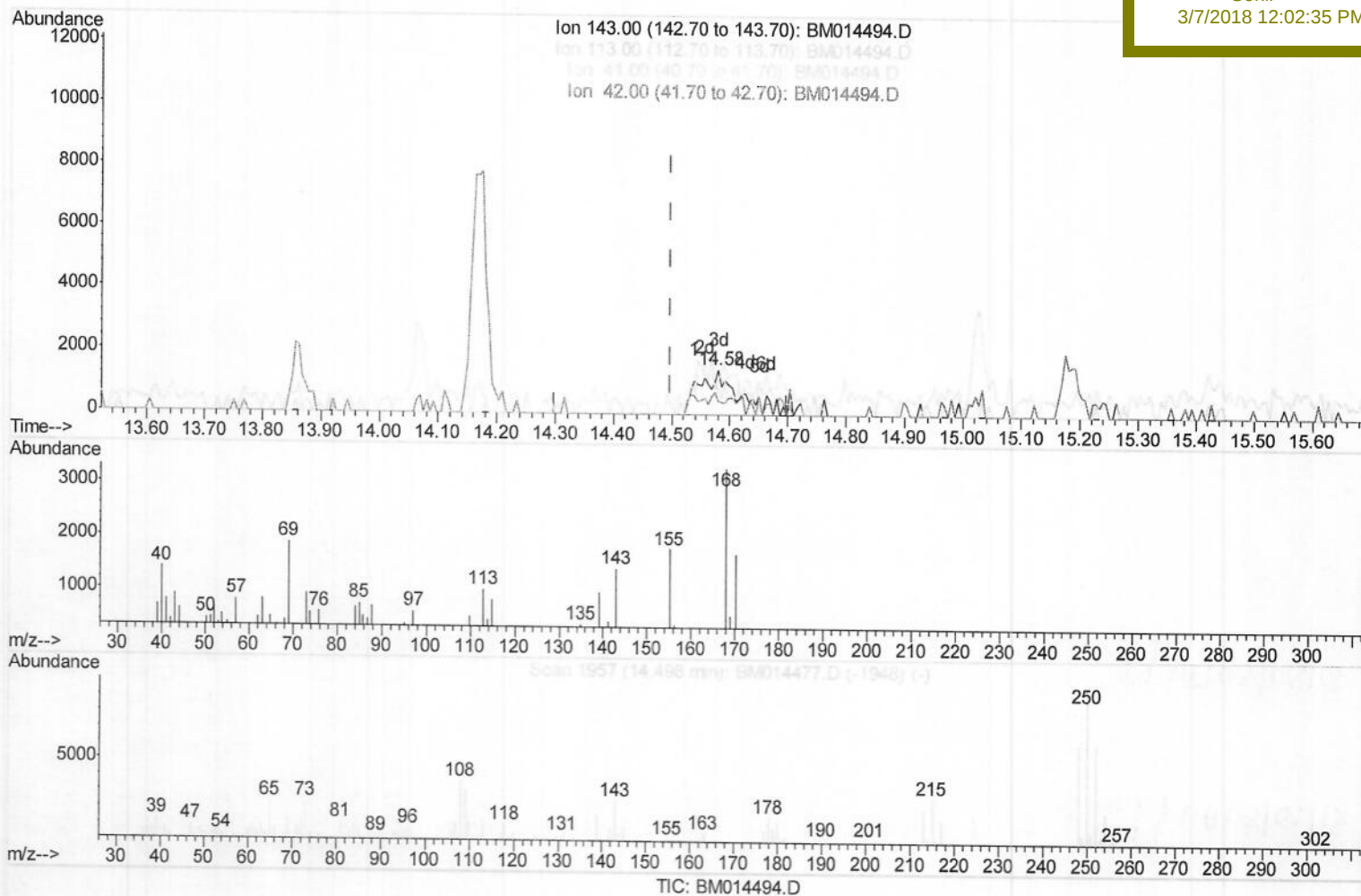
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(51) 4-Nitrophenol-d4 (S)

14.580min (+0.082) 3.03ng/ul m) JUB 109/18

response 6748

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	70.63#
41.00	34.80	56.55#
42.00	20.50	29.86#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

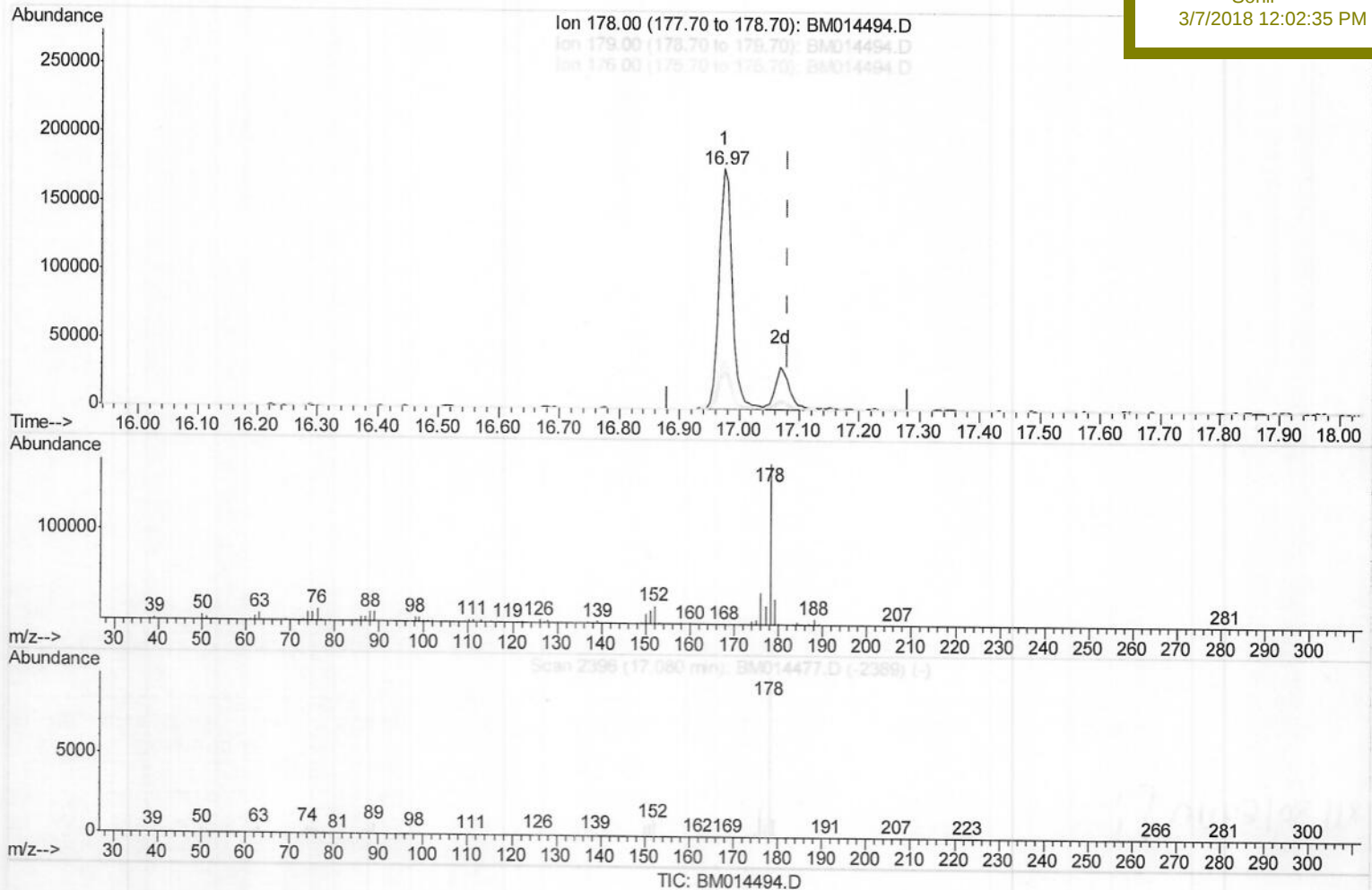
BEST0DL

Manual Integrations

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Sohil

3/7/2018 12:02:35 PM



(71) Anthracene

16.974min (-0.106) 11.42ng/ul

response 268444

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	15.73
176.00	18.20	19.96
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

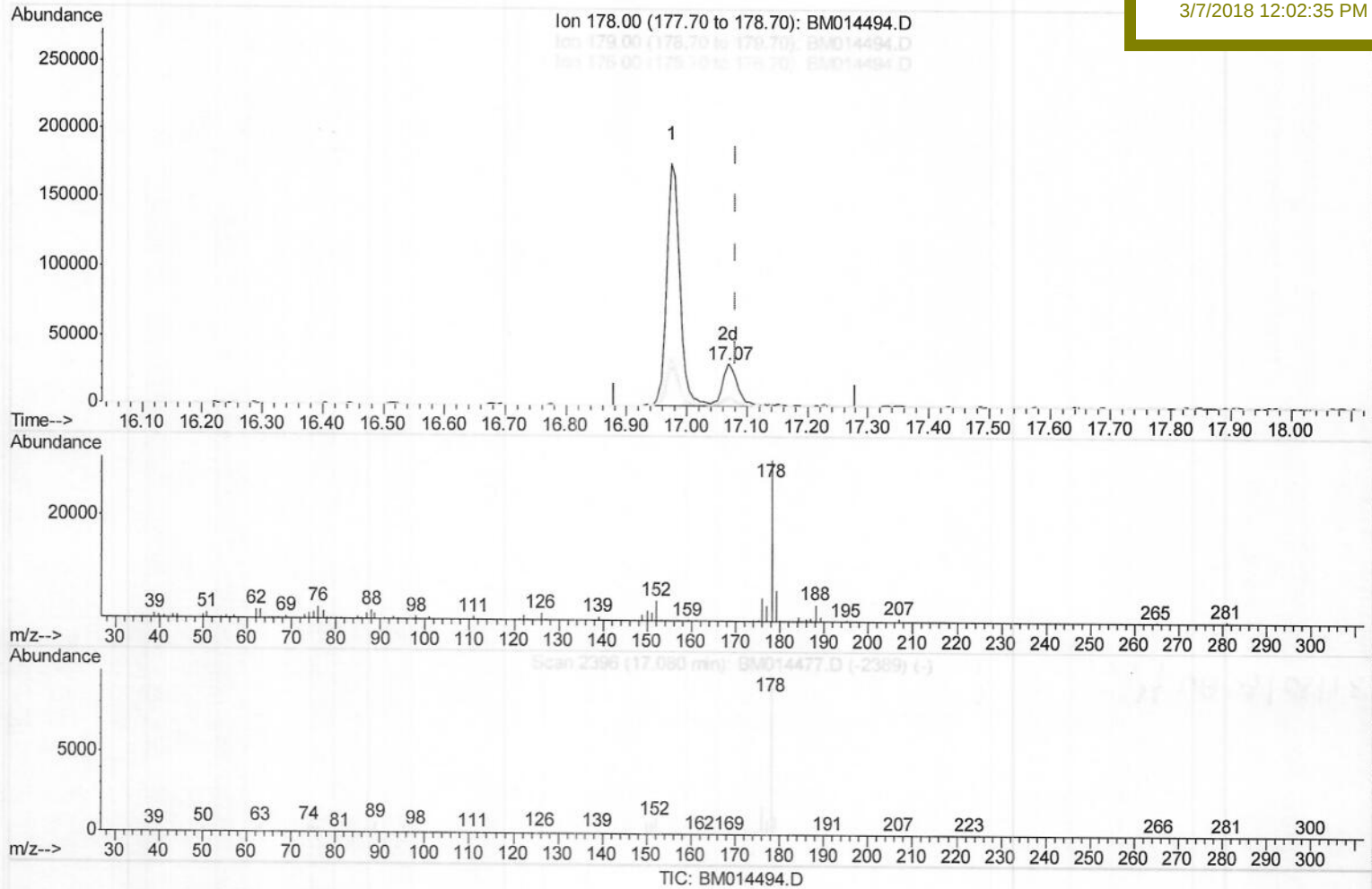
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(71) Anthracene

17.068min (-0.012) 2.27ng/ul m) JU03/09/18

response 53386

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	20.05#
176.00	18.20	15.33
0.00	0.00	0.00

Quantitation Report (Qedit)

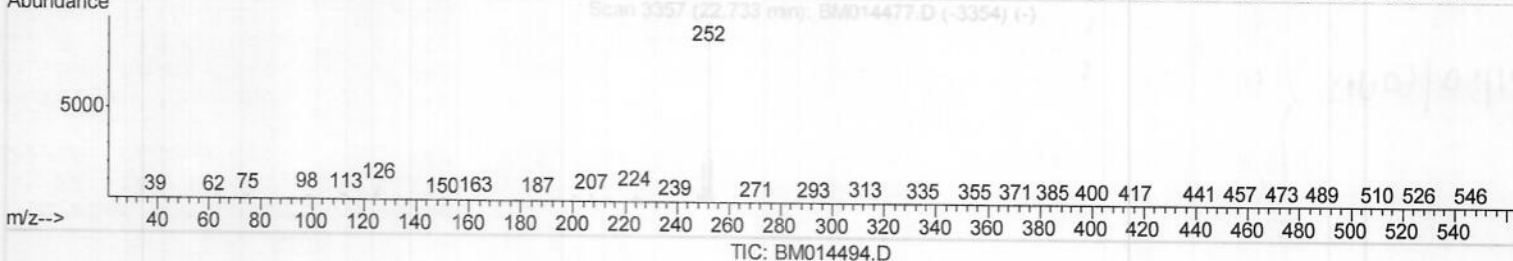
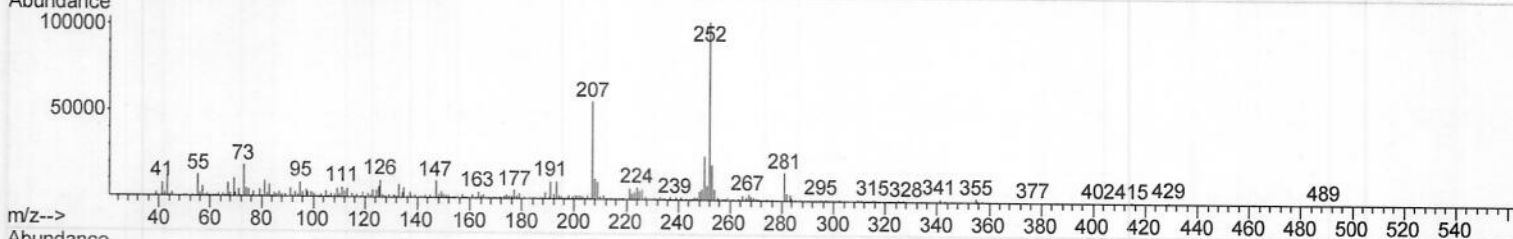
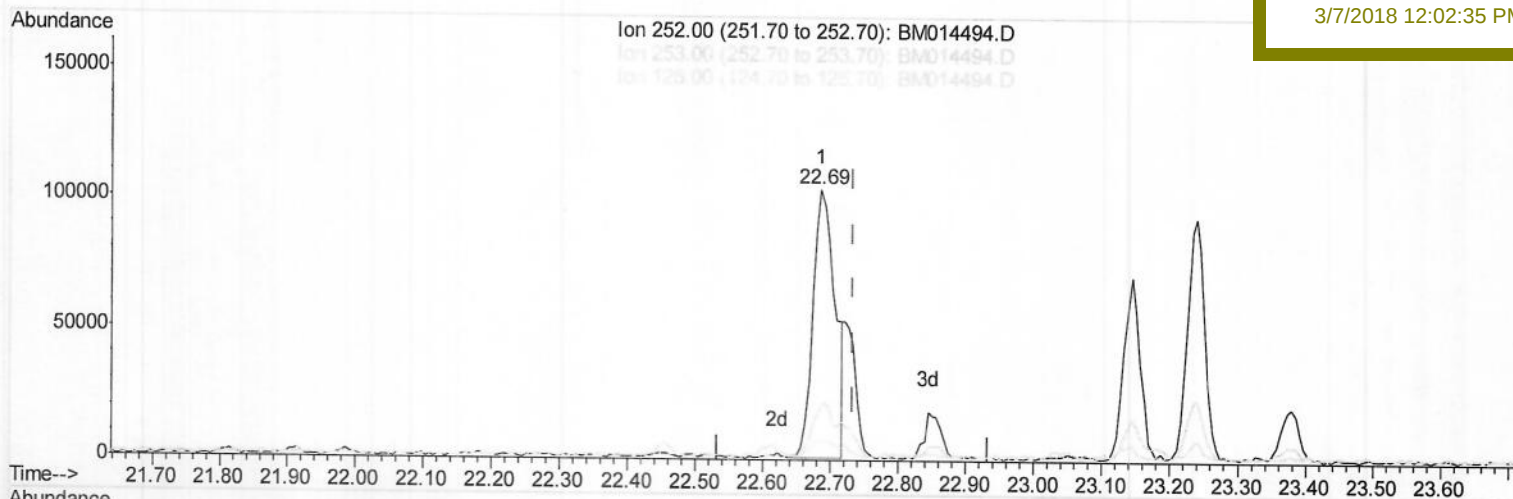
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\
 Data File : BM014494.D
 Acq On : 06 Mar 2018 10:54
 Operator : SJ/JU
 Sample : J1678-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 06 12:22:39 2018
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Instrument :
 BNA_M
 ClientSampleId :
 BEST0DL

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:02:35 PM



(86) Benzo(k)fluoranthene
 22.686min (-0.047) 9.75ng/ul
 response 229479

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	20.18
125.00	4.30	6.76#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:23:55 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

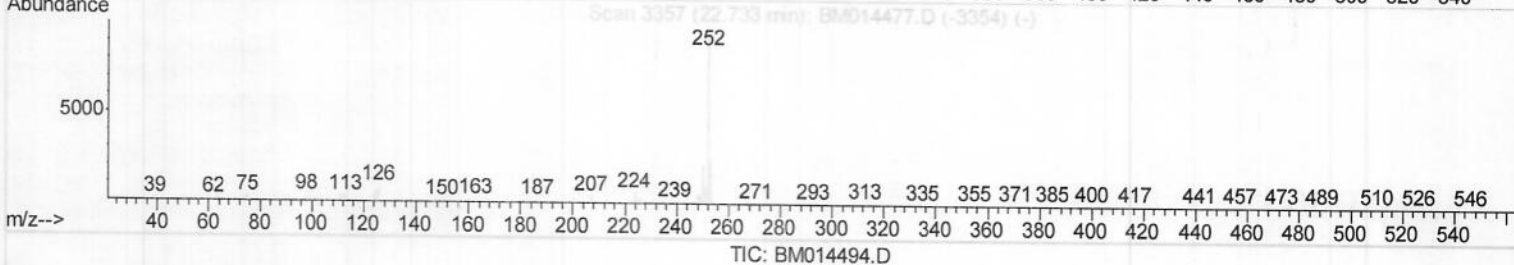
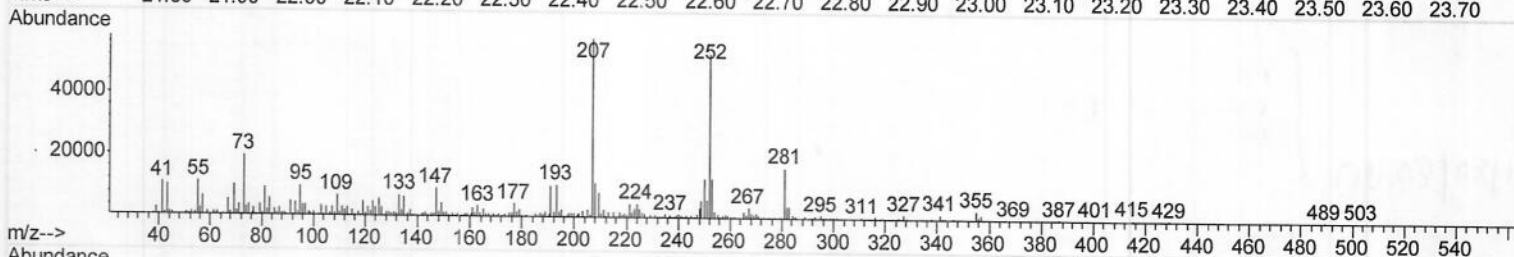
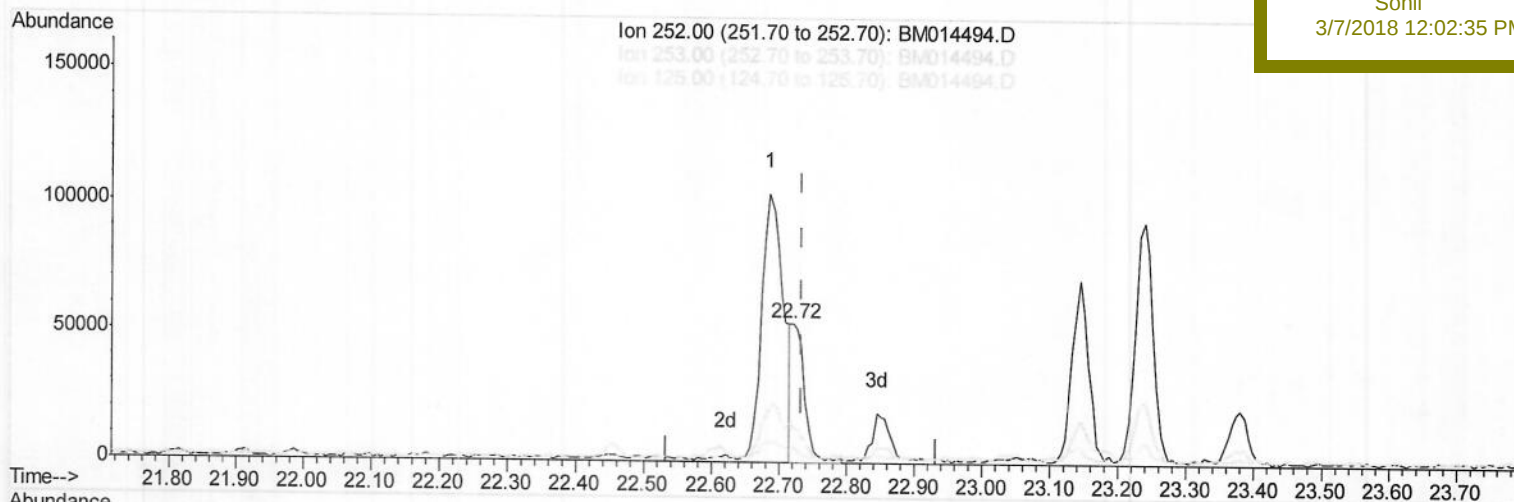
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(86) Benzo(k)fluoranthene

22.721min (-0.012) 2.98ng/ul m J1678-01DL

response 70048

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.21
125.00	4.30	11.14#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:28:27 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

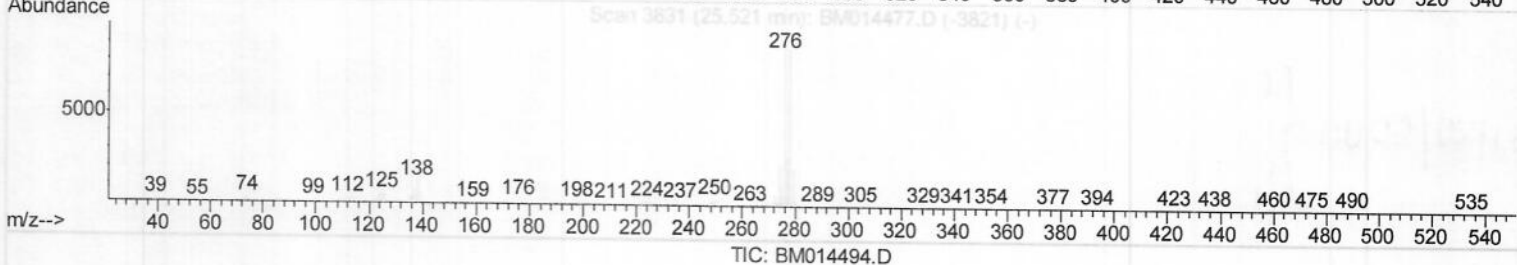
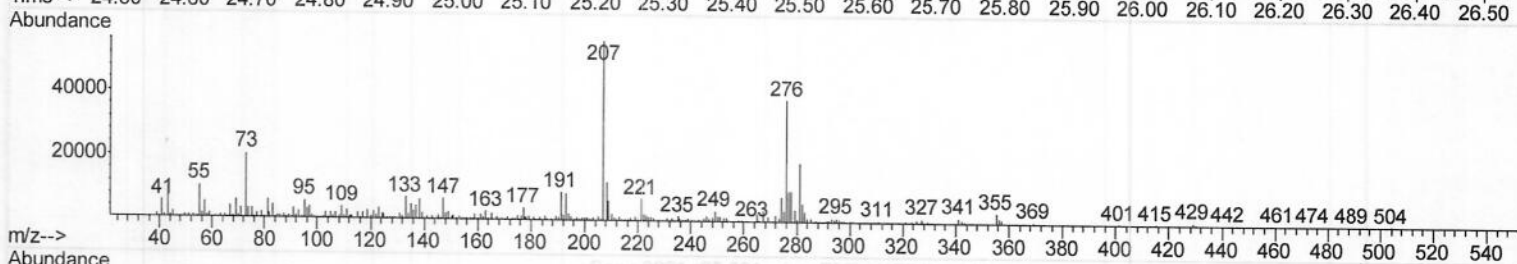
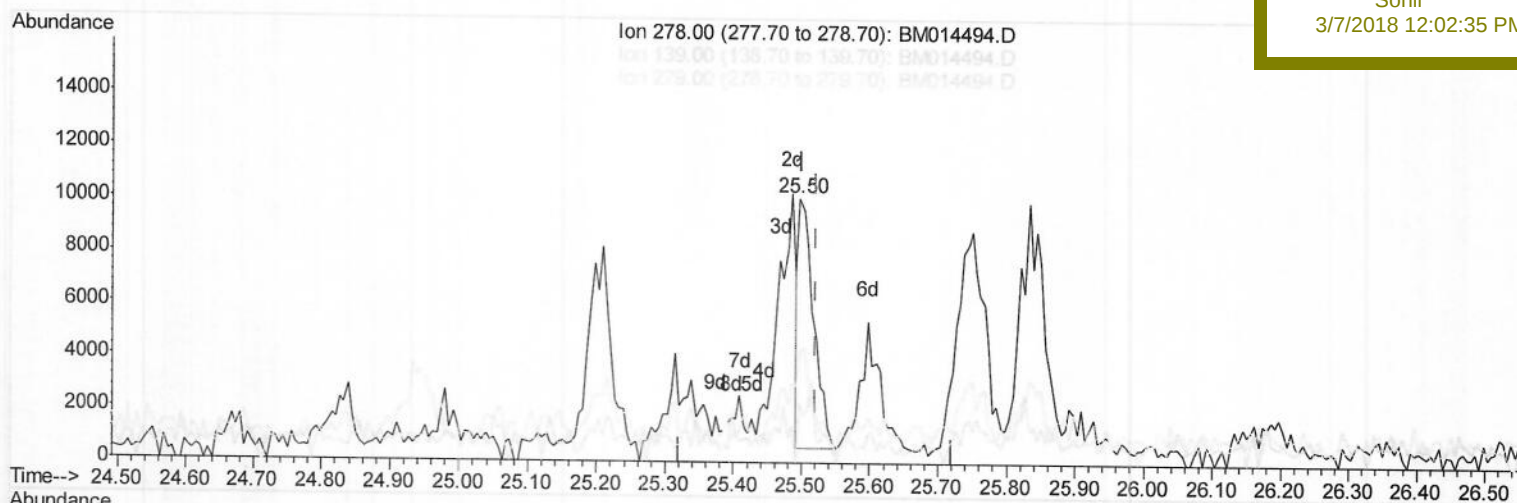
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(90) Dibenzo(a,h)anthracene

25.497min (-0.024) 0.81ng/ul

response 14523

Ion Exp% Act%

278.00 100 100

139.00 7.30 22.53#

279.00 23.20 41.09#

0.00 0.00 0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 06 13:28:27 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

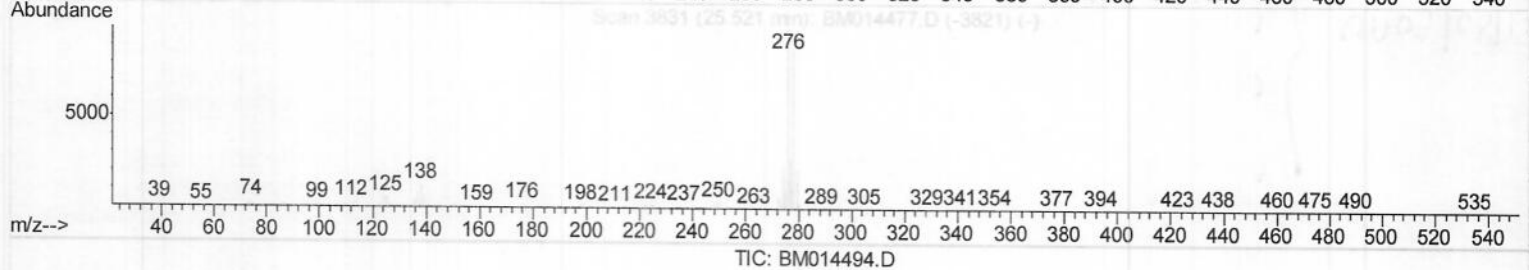
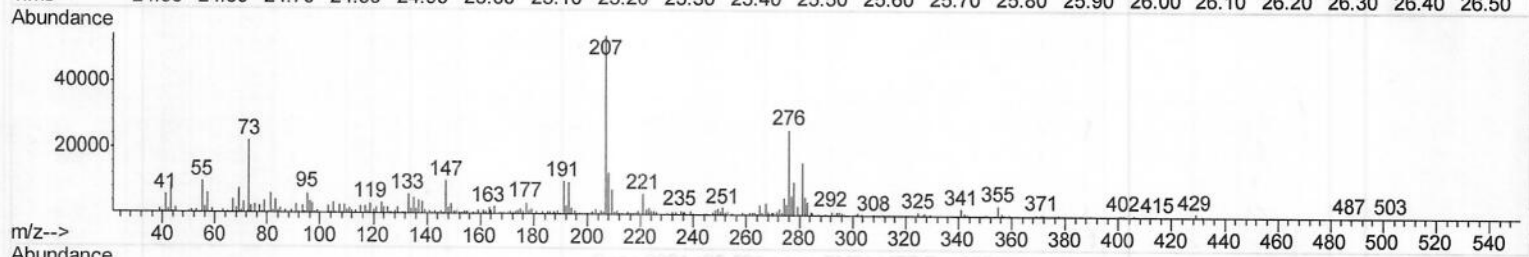
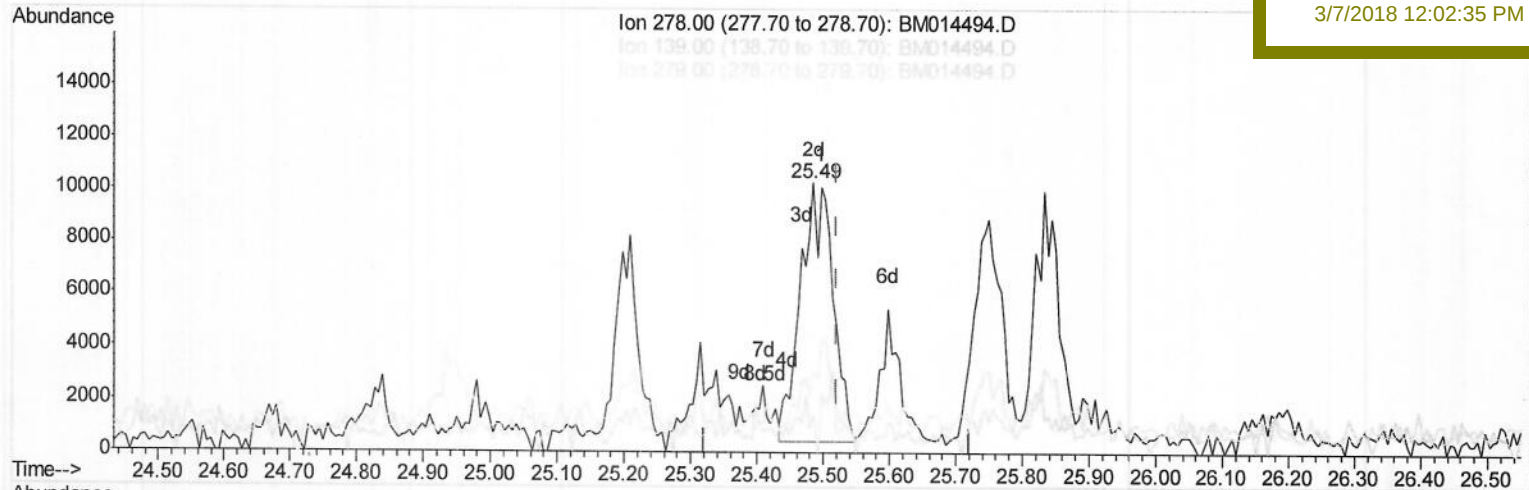
BEST0DL

Manual Integrations

APPROVED

Sohil

3/7/2018 12:02:35 PM



(90) Dibenzo(a,h)anthracene

25.486min (-0.035) 1.87ng/ul m > JV03109118

response 33362

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	13.51#
279.00	23.20	29.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 00:59:18 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

Client Sample Id :

BEST0DL

Manual Integrations
APPROVED

Sohil

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	97419	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	354341	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	195018	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	405574	20.00	ng/ul	-0.01
75) Chrysene-d12	21.15	240	382693	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	369769	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2321	1.02	ng/uL	0.00
5) Phenol-d5	6.75	99	33718	4.10	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.86	67	21105	4.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	30508	4.83	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	23714m)	3.29	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	15898m)	6.07	ng/ul	0.01
22) 2-Nitrophenol-d4	9.40	143	13073	4.82	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.98	165	26957m)	4.80	ng/ul	0.04
29) 4-Chloroaniline-d4	10.49	131	21234m)	3.84	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	84099	5.22	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	109914	5.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.58	143	6748m)	3.03	ng/ul	0.08
57) Fluorene-d10	15.18	176	75247	5.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	3360	1.38	ng/ul	0.01
70) Anthracene-d10	17.04	188	108571	5.55	ng/ul	0.00
76) Pyrene-d10	19.34	212	125586	6.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	105739	5.88	ng/ul	-0.01

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Target Compounds

16) 4-Methylphenol	8.32	108	7767m)	1.079	ng/ul	
69) Phenanthrene	16.97	178	268444	11.488	ng/ul	98
71) Anthracene	17.07	178	53386m)	2.272	ng/ul	
74) Fluoranthene	19.01	202	353254	12.653	ng/ul#	95
77) Pyrene	19.37	202	408892	16.077	ng/ul#	95
80) Benzo(a)anthracene	21.14	228	205636	8.610	ng/ul	96
82) Chrysene	21.19	228	204986	9.200	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	229479	9.268	ng/ul#	95
86) Benzo(k)fluoranthene	22.72	252	70048m)	2.976	ng/ul	
88) Benzo(a)pyrene	23.24	252	164288	7.426	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	25.50	276	109031	5.078	ng/ul	98
90) Dibenzo(a,h)anthracene	25.49	278	33362m)	1.870	ng/ul	
91) Benzo(a,h,i)perylene	26.17	276	94729	5.447	ng/ul#	95

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

Data Path : Z:\HPCHEM1\BNA M\Data\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 00:59:18 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

Client Sample ID :

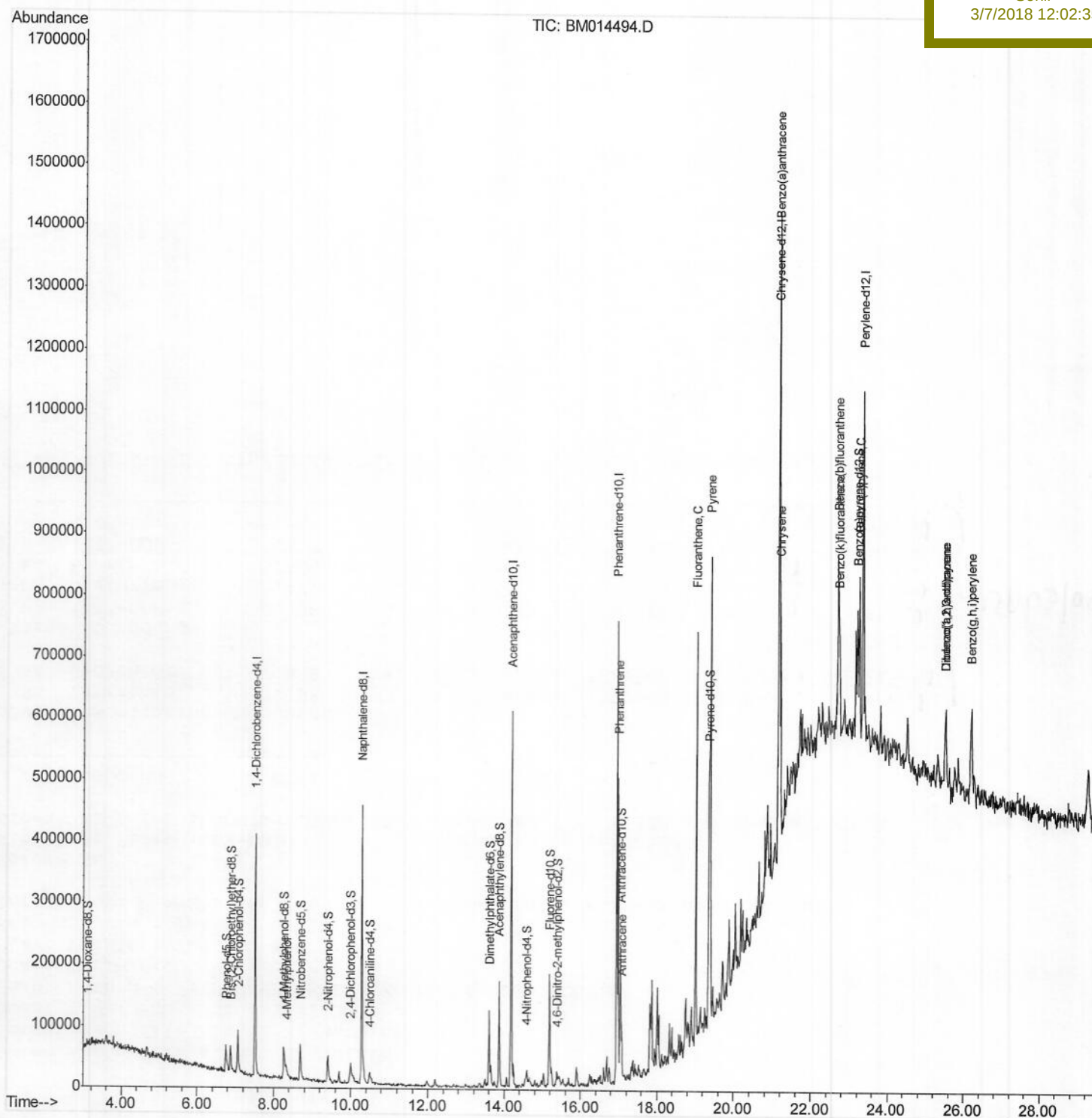
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Manual Integrations

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Data Path : Z:\HPCHEM1\BNA M\Data\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 00:59:18 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 06 12:22:39 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

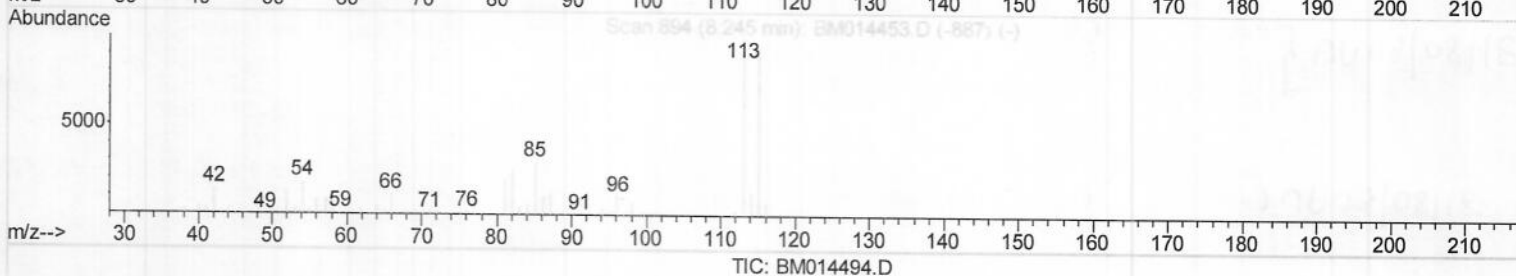
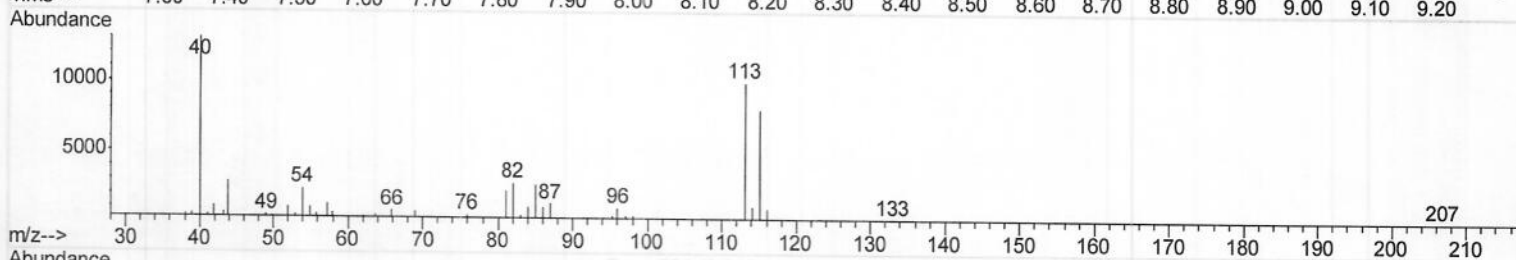
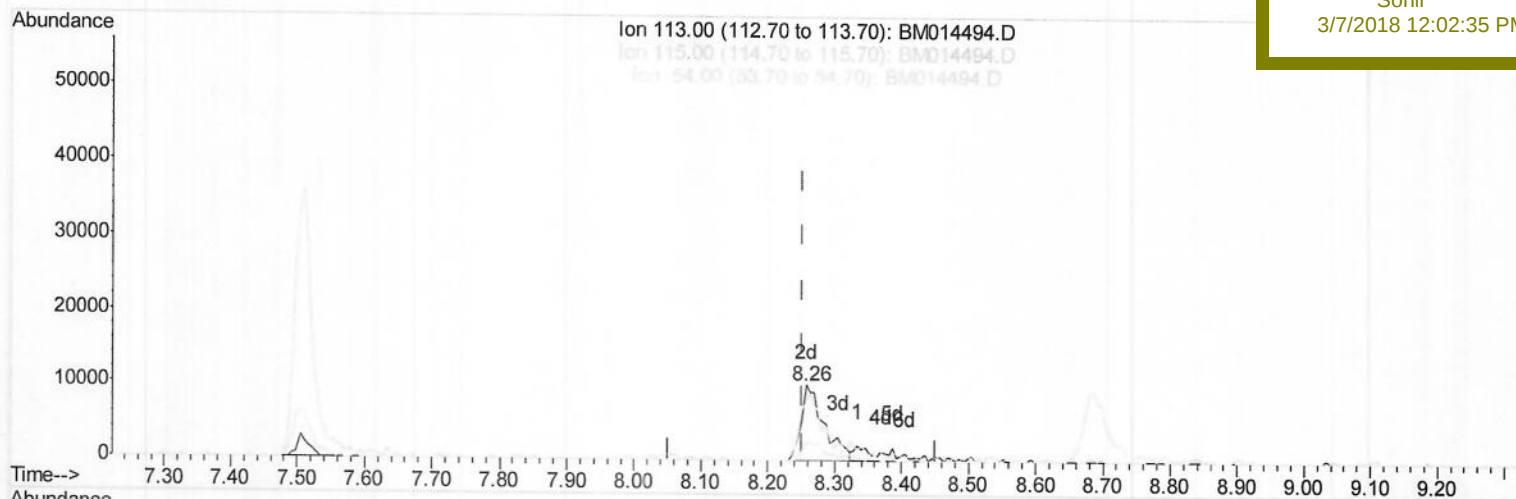
BEST0DL

Manual Integrations

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(13) 4-Methylphenol-d8 (S)

8.257min (+0.006) 3.29ng/ul m

J1678-01DL 5X

response 23714

Ion	Exp%	Act%
113.00	100	100
115.00	88.30	80.71
54.00	18.90	23.04#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM030618\

Data File : BM014494.D

Acq On : 06 Mar 2018 10:54

Operator : SJ/JU

Sample : J1678-01DL 5X

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 08 05:56:32 2018

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

Quant Title : SVOA CALIBRATION

QLast Update : Thu Mar 08 02:02:45 2018

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

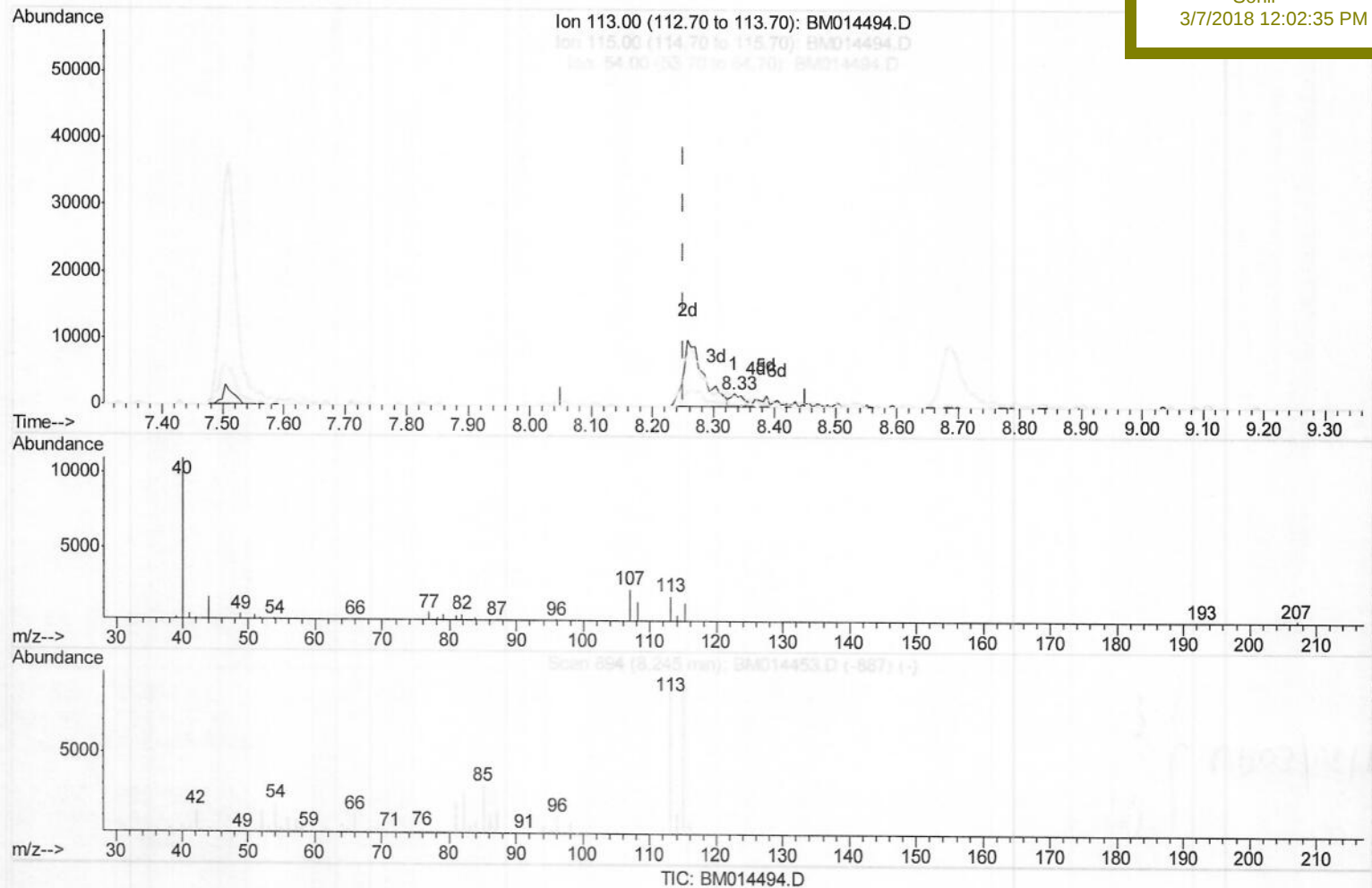
BEST0DL

Manual Integrations

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(13) 4-Methylphenol-d8 (S)

8.334min (+0.082) 0.34ng/ul

response 2460

Ion	Exp%	Act%
113.00	100	100
115.00	88.30	75.23
54.00	18.90	19.34
0.00	0.00	0.00