

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 20 05:49:42 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

Client Sampled :

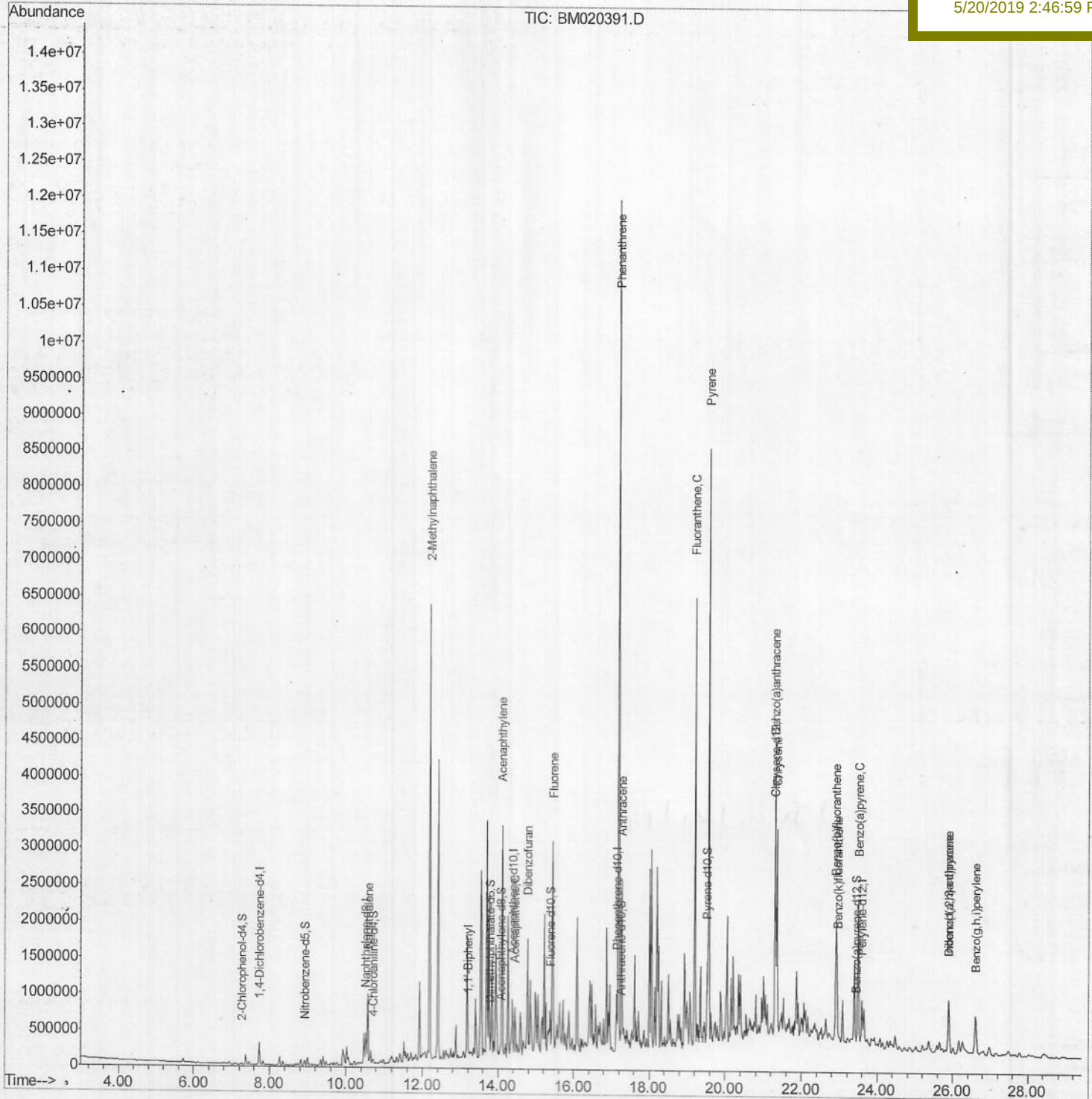
GAJ78

Manual Integrations

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Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

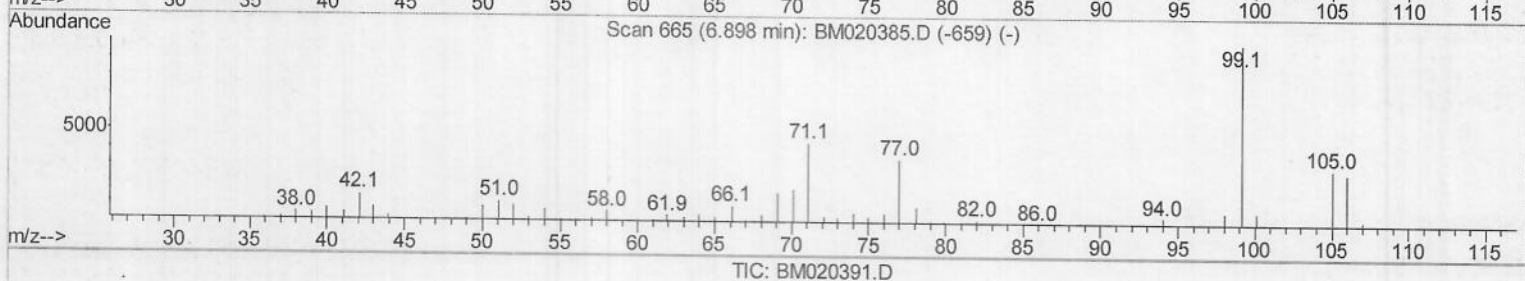
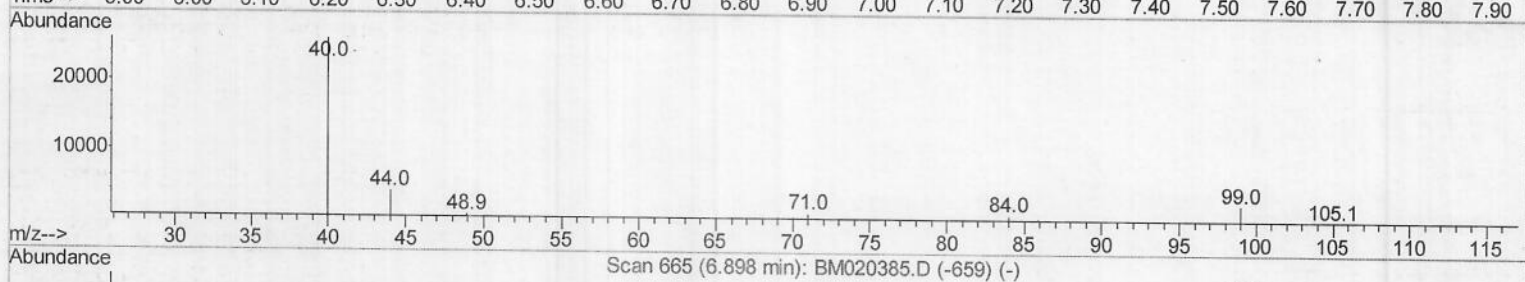
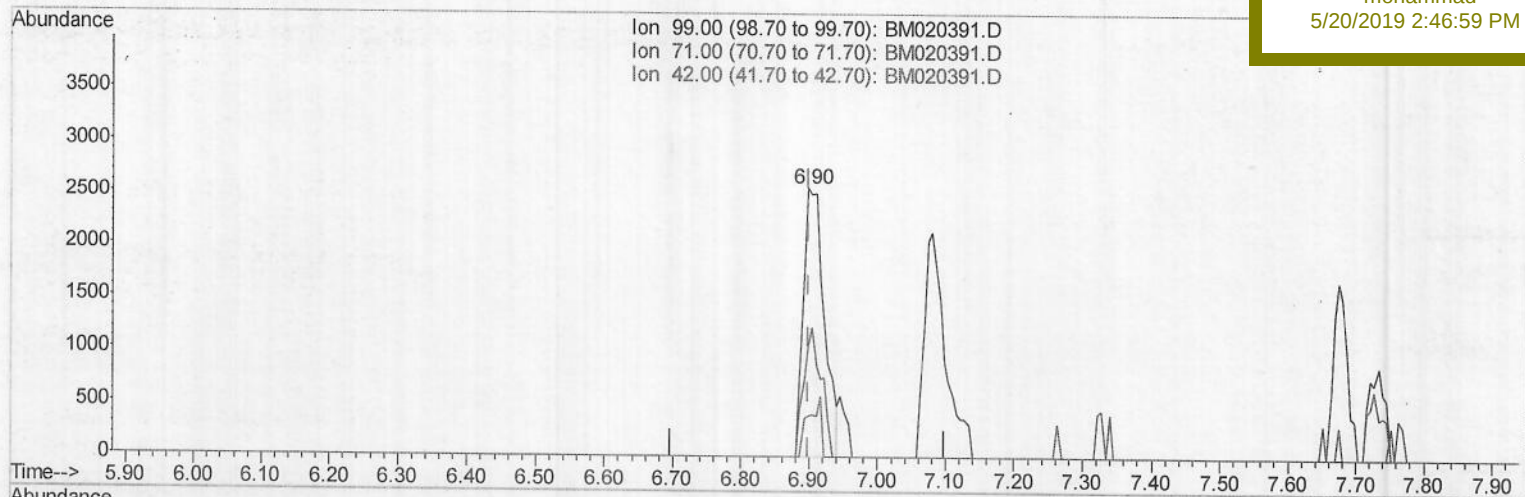
Client Sampled :

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(5) Phenol-d5 (S)

6.898min (-0.000) 0.77ng/ul

response 5312

Ion	Exp%	Act%
99.00	100	100
71.00	45.30	40.52
42.00	14.50	14.88
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

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Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

Client Sampled :

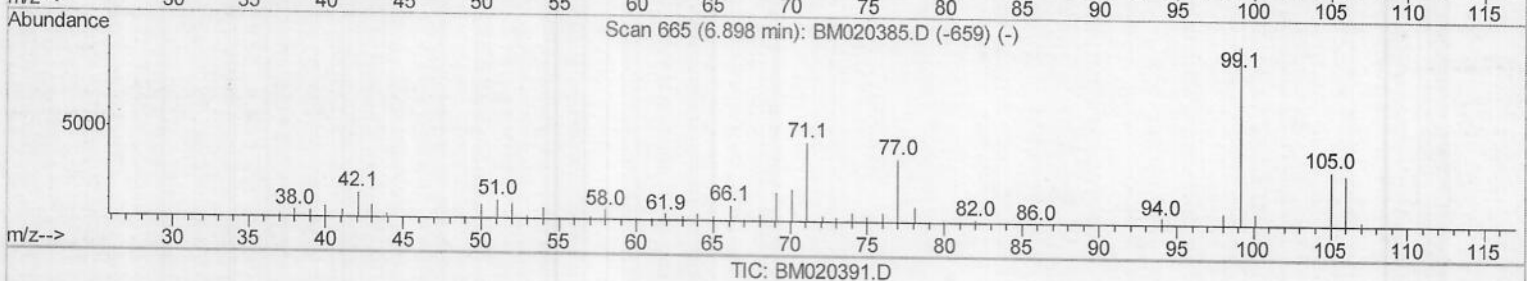
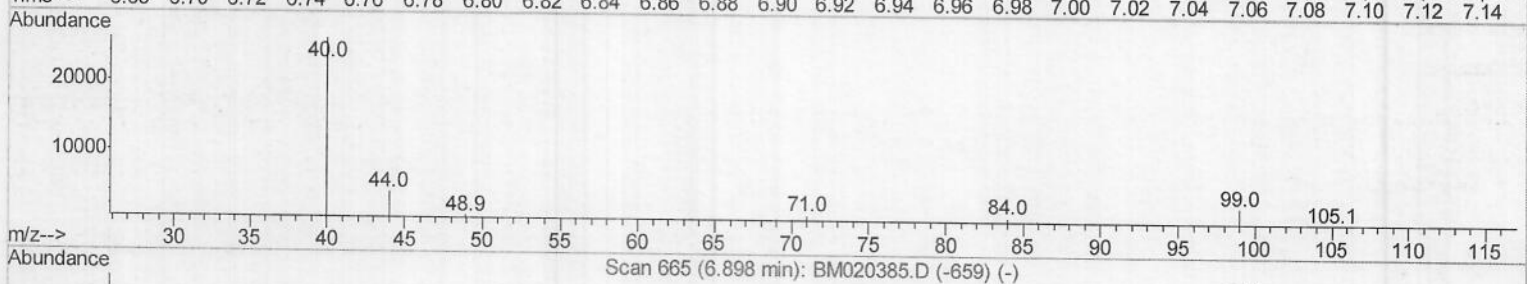
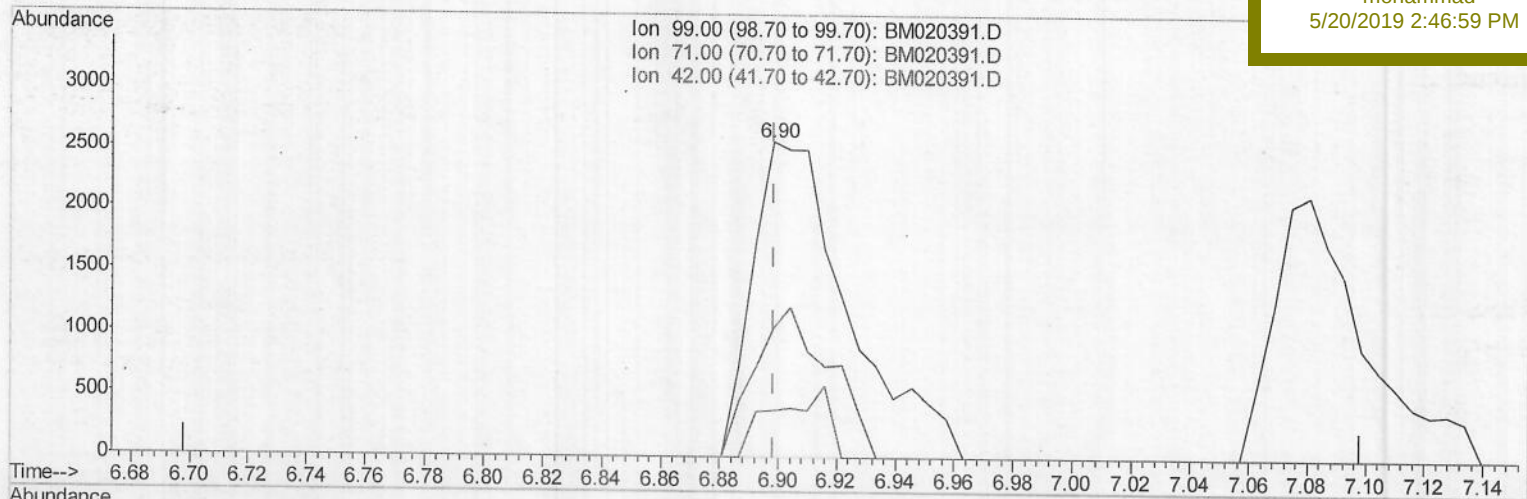
GAJ78

Manual Integrations

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(5) Phenol-d5 (S)

6.898min (-0.000) 0.84ng/ul m 25005/2119

response 5777

Ion	Exp%	Act%
99.00	100	100
71.00	45.30	40.52
42.00	14.50	14.88
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

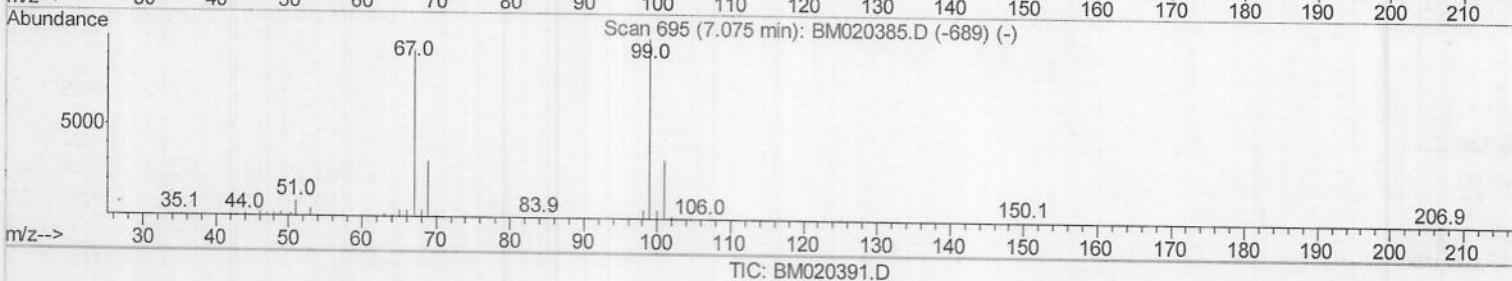
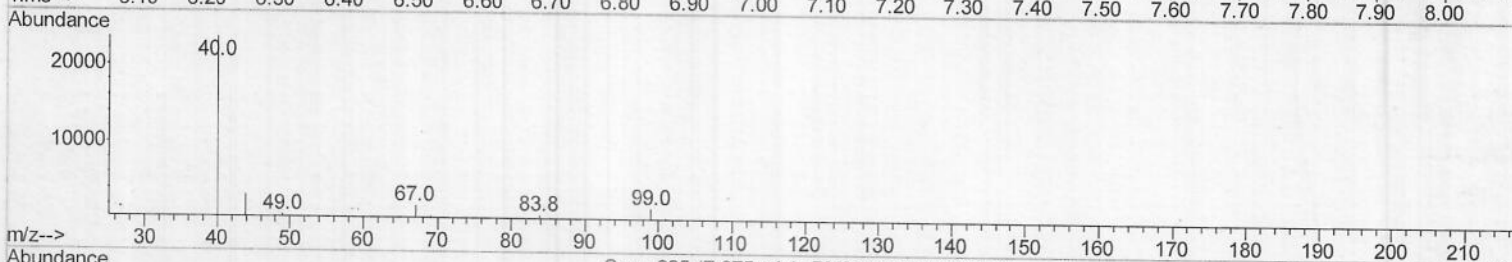
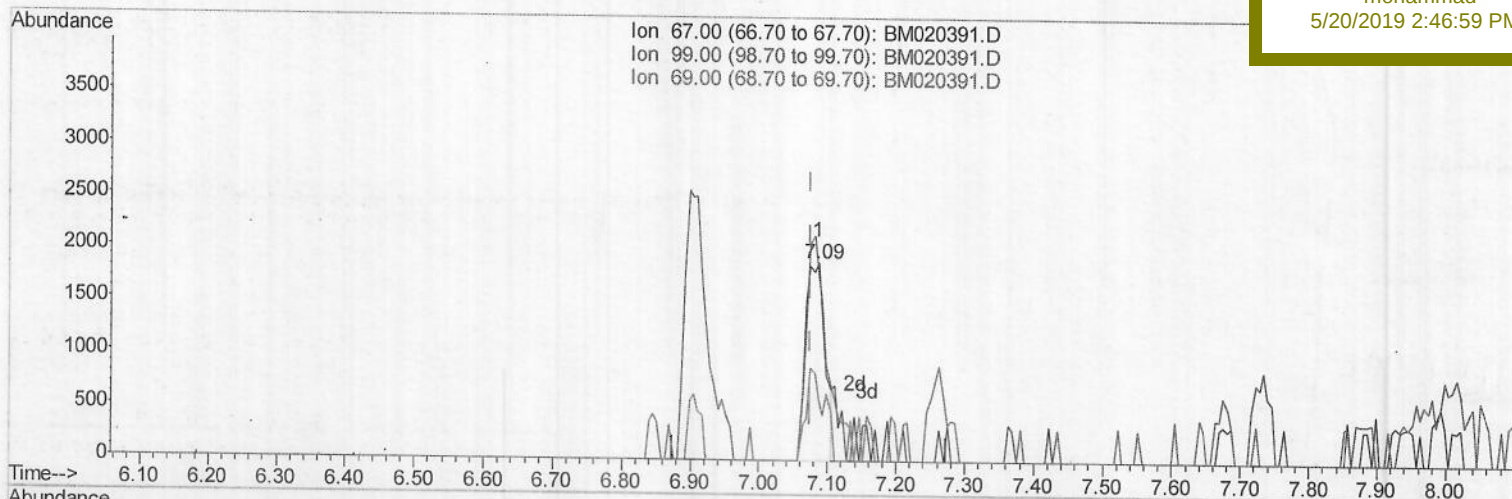
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampled :

GAJ78

Manual Integrations
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(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.087min (+0.012) 0.85ng/ul

response 3694

Ion	Exp%	Act%
67.00	100	100
99.00	114.20	92.67
69.00	31.10	30.25
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

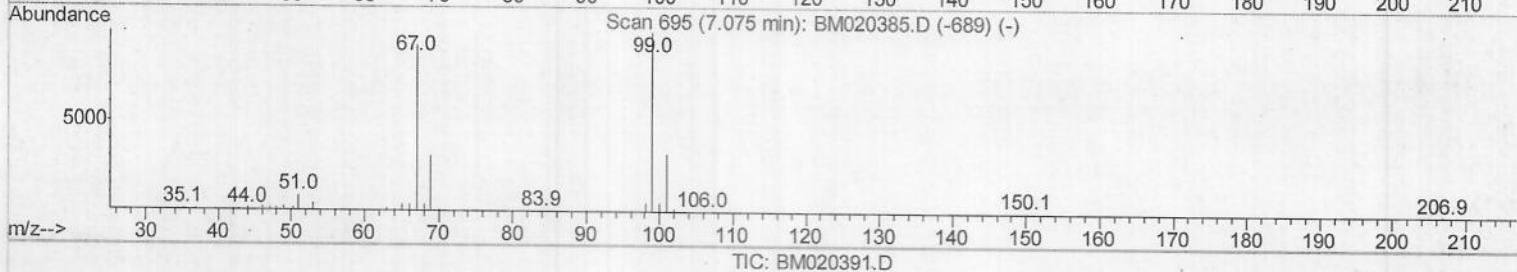
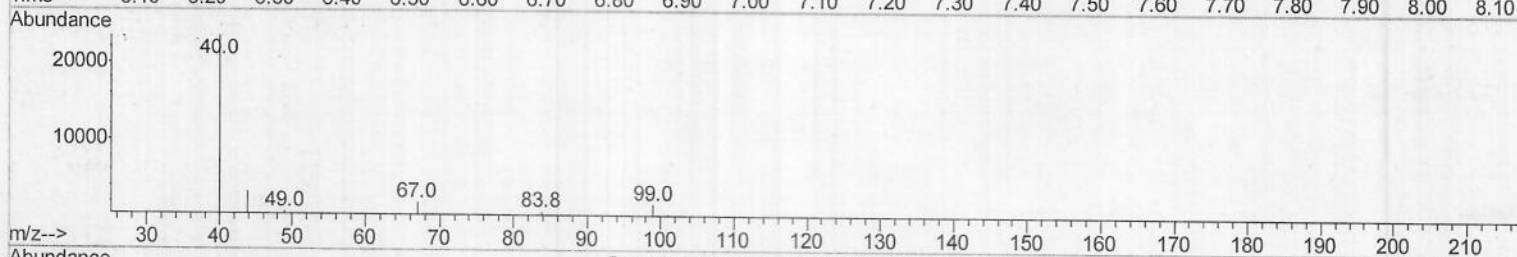
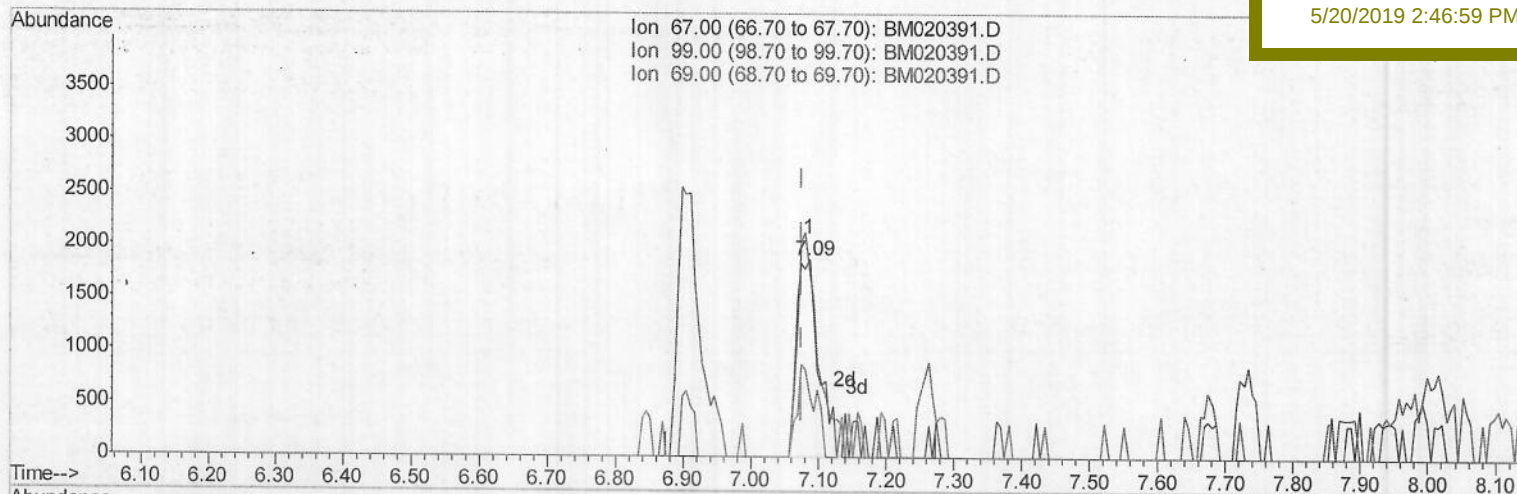
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJ78

Manual Integrations
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(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.087min (+0.012) 0.97ng/ul m) 300512119

response 4224

Ion	Exp%	Act%
67.00	100	100
99.00	114.20	92.67
69.00	31.10	30.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mav 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

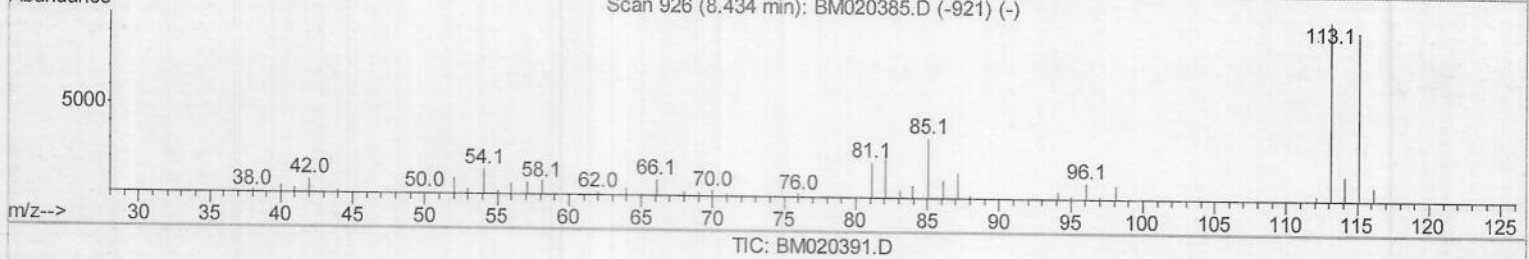
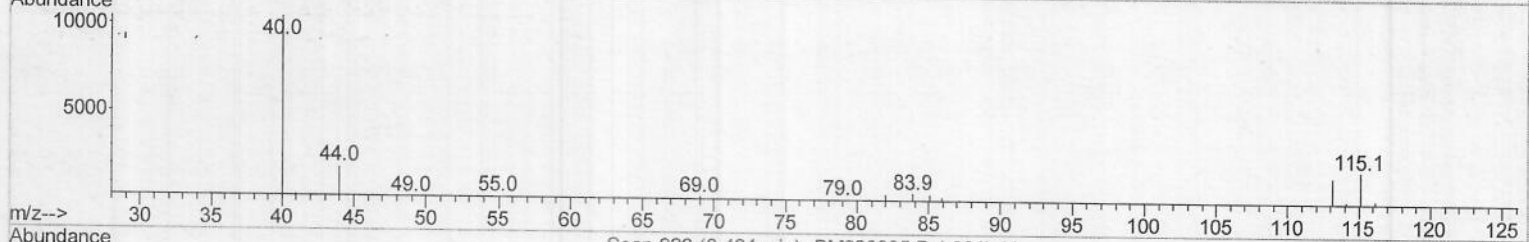
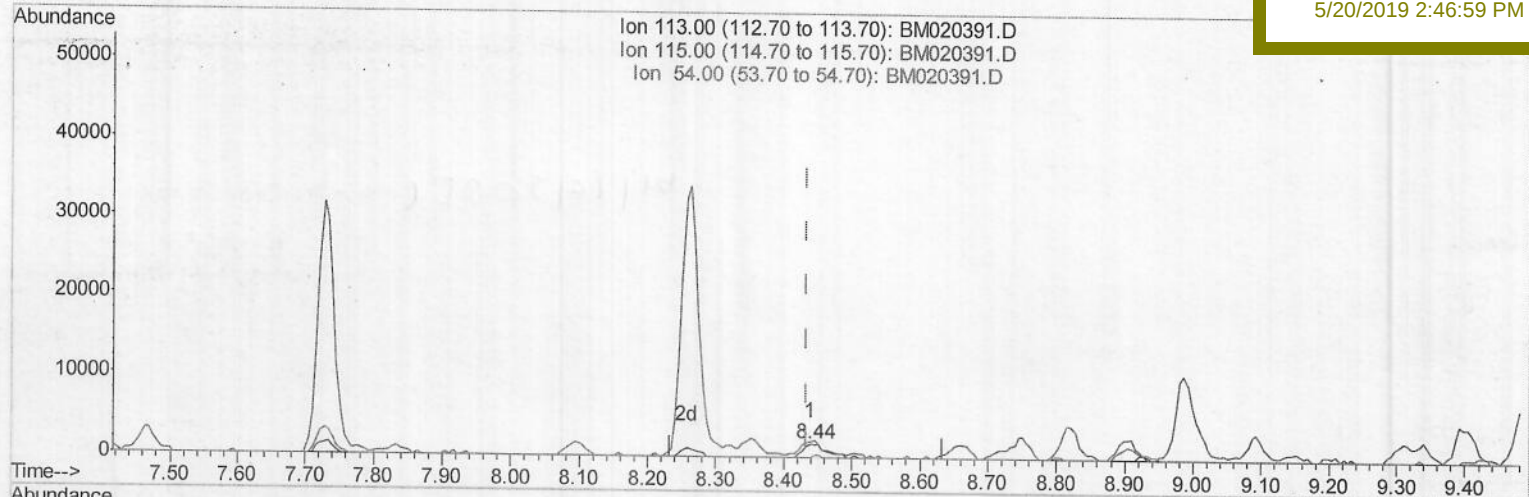
GAJ78

Manual Integrations

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(13) 4-Methylphenol-d8 (S)

8.439min (+0.006) 0.78ng/ul

response 3871

Ion	Exp%	Act%
113.00	100	100
115.00	91.10	119.15#
54.00	13.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

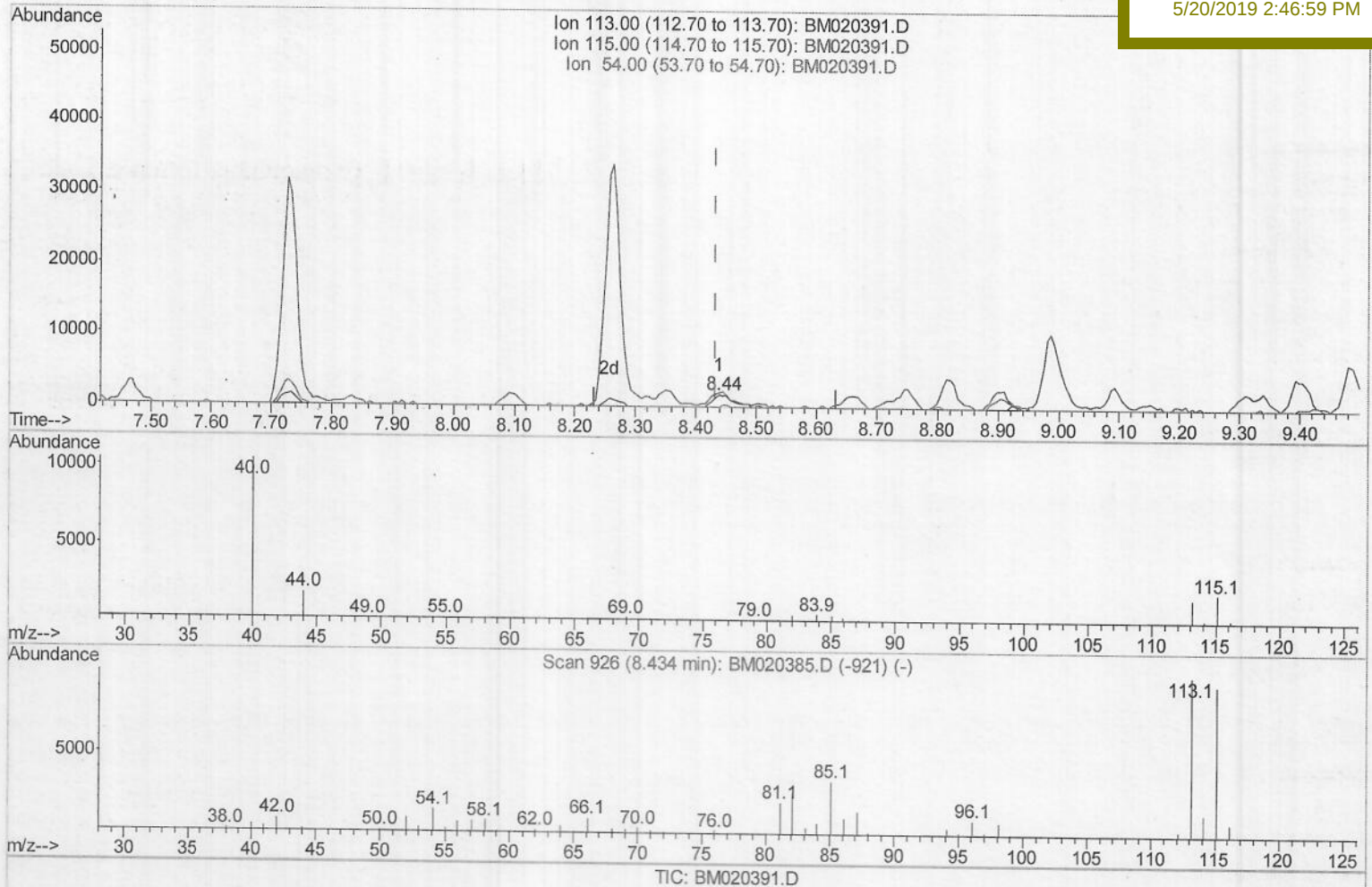
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Manual Integrations

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(13) 4-Methylphenol-d8 (S)

8.439min (+0.006) 0.81ng/ul m) JU 05/21/19

response 4029

Ion	Exp%	Act%
113.00	100	100
115.00	91.10	119.15#
54.00	13.50	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

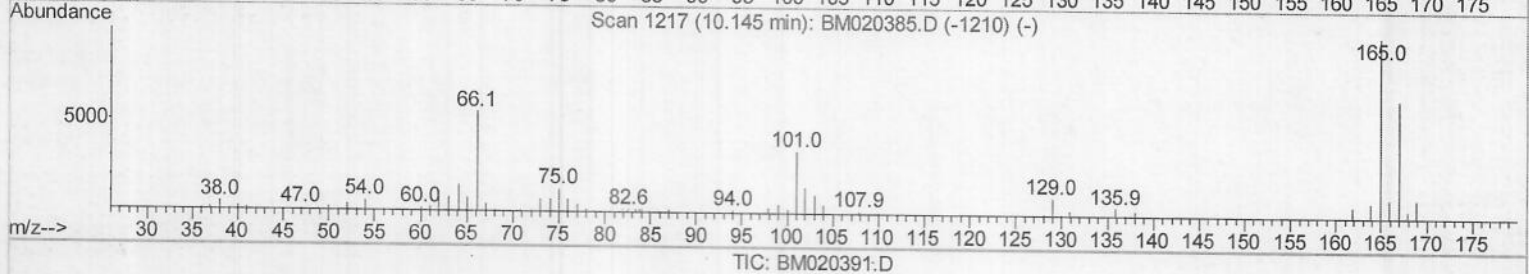
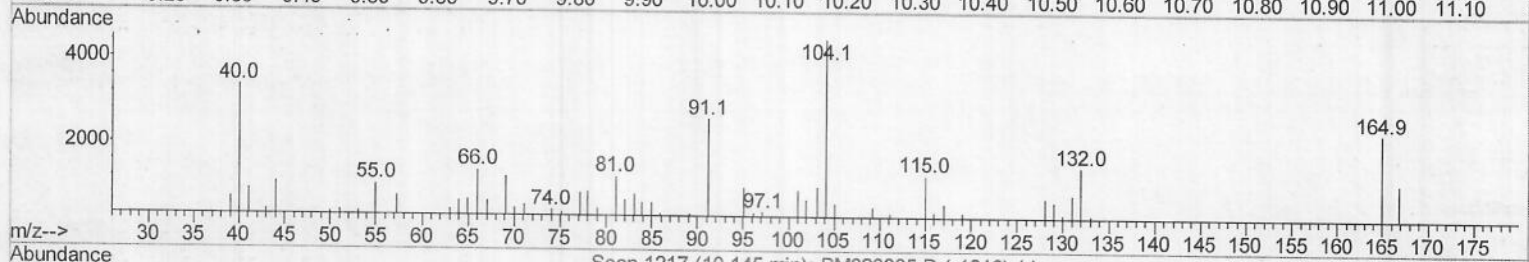
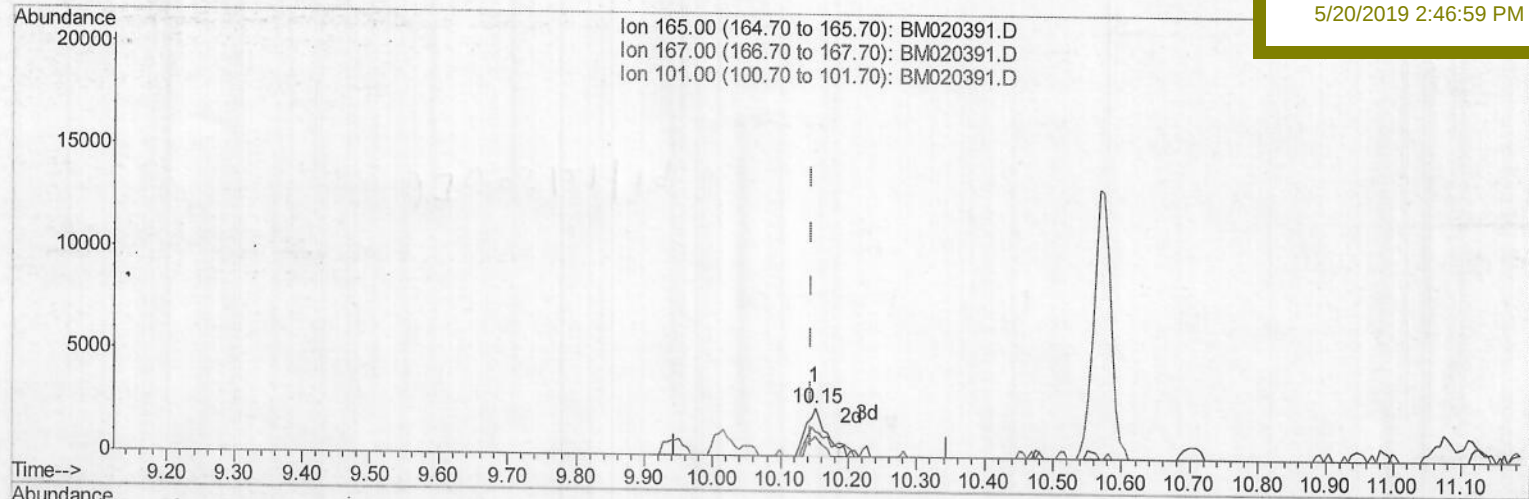
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Manual Integrations

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

10.151min (+0.006) 0.90ng/ul

response 4710

Ion	Exp%	Act%
165.00	100	100
167.00	65.00	50.69#
101.00	34.80	40.07
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

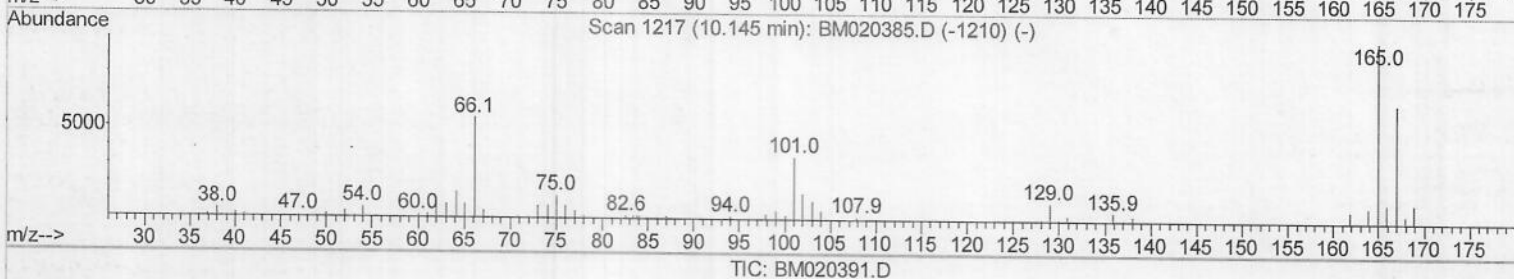
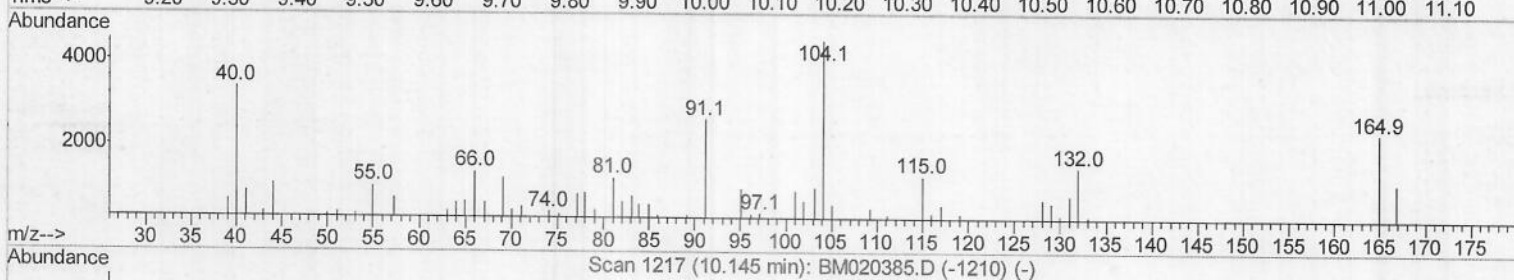
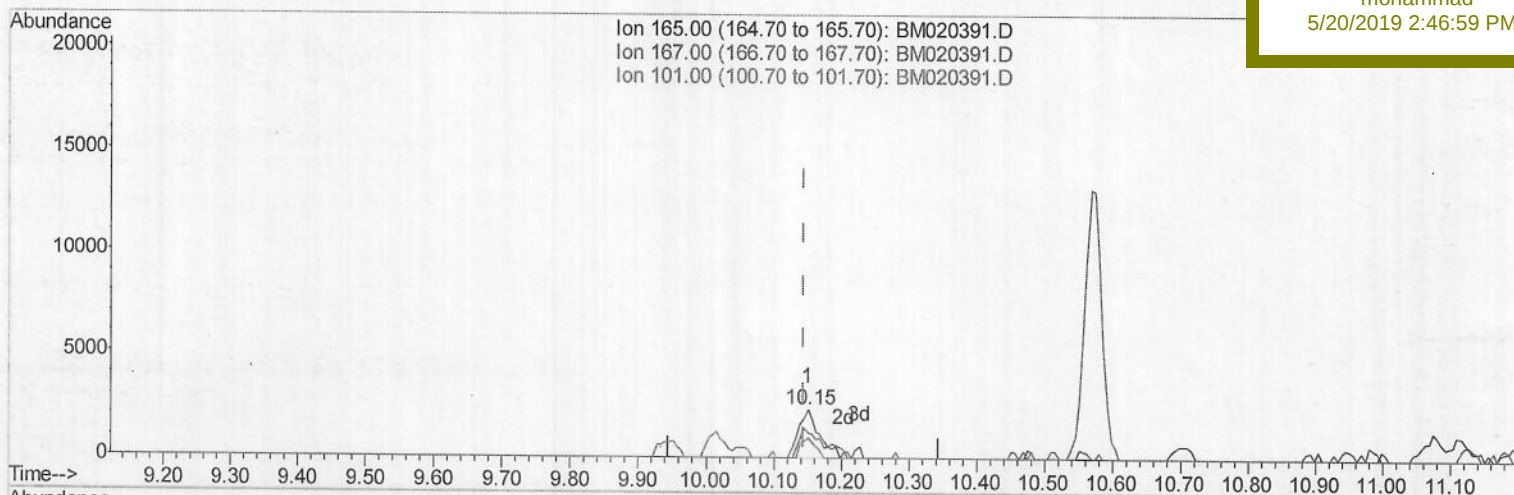
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJ78

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

10.151min (+0.006) 0.94ng/ul m) JU05/21/19

response 4896

Ion	Exp%	Act%
165.00	100	100
167.00	65.00	50.69#
101.00	34.80	40.07
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

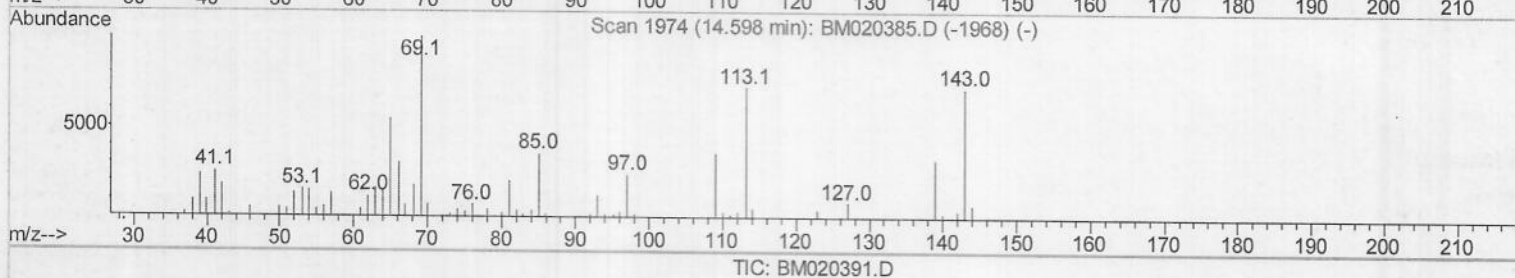
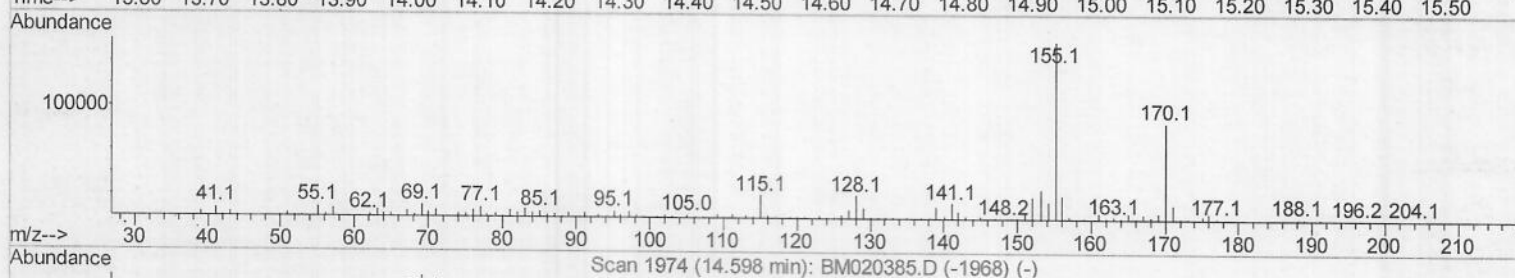
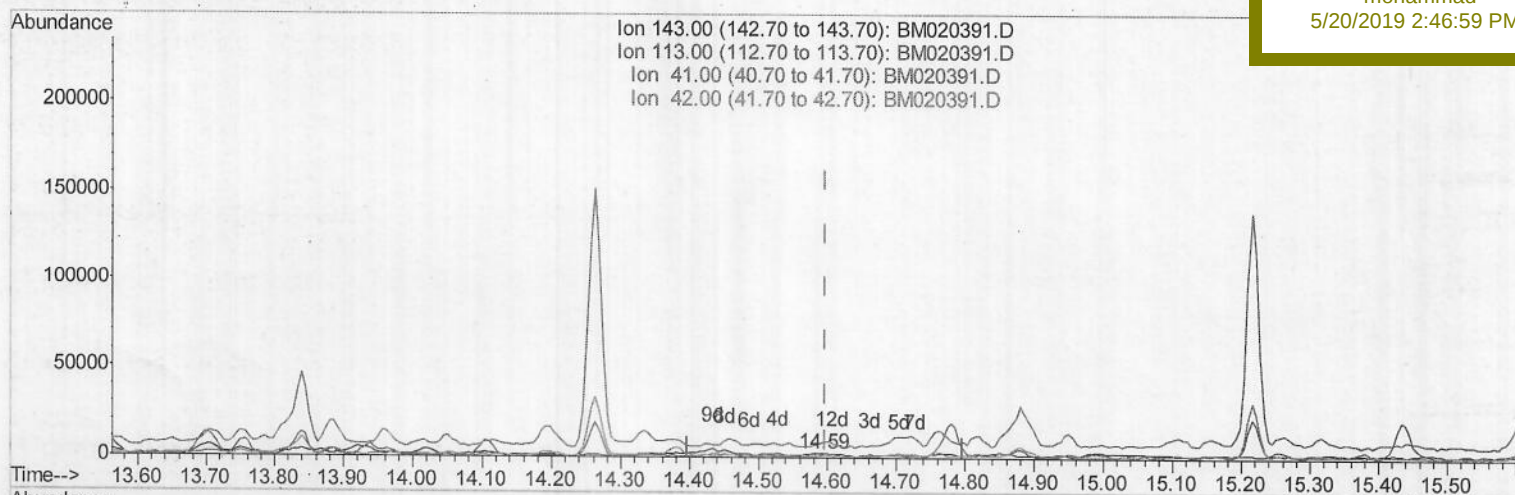
GAJ78

Manual Integrations

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(51) 4-Nitrophenol-d4 (S)

14.592min (-0.006) 1.09ng/ul

response 2424

Ion	Exp%	Act%
143.00	100	100
113.00	99.80	85.25
41.00	31.70	298.95#
42.00	21.50	47.63#

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampled :

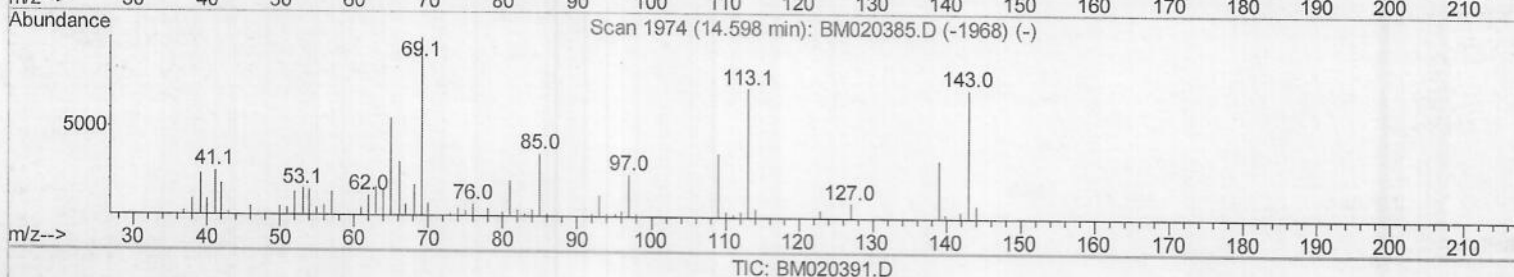
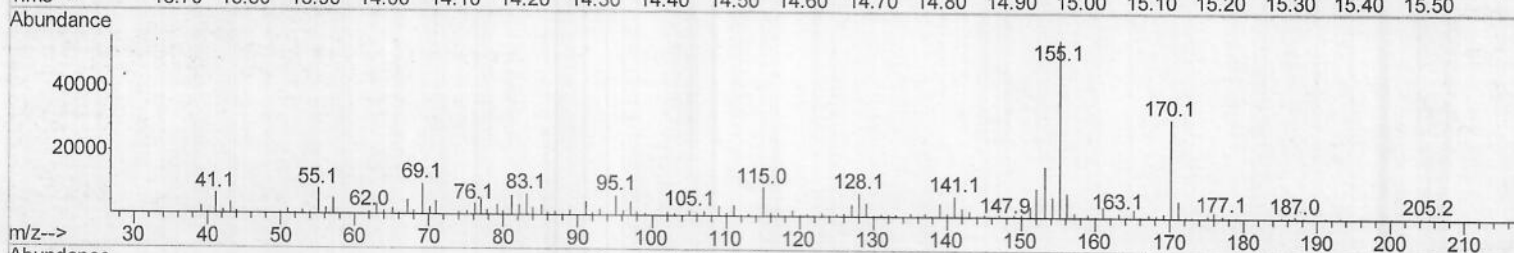
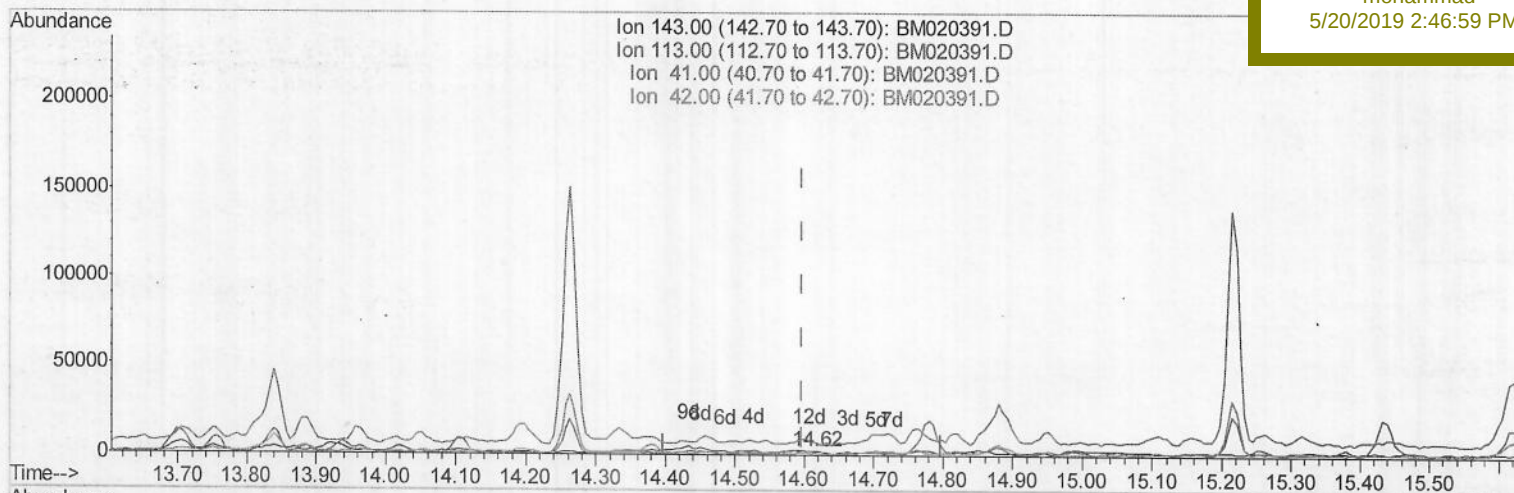
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Manual Integrations

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(51) 4-Nitrophenol-d4 (S)

14.615min (+0.018) 0.45ng/ul m) 5005/21/19

response 997

Ion	Exp%	Act%
143.00	100	100
113.00	99.80	52.10#
41.00	31.70	280.08#
42.00	21.50	54.61#

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

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Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

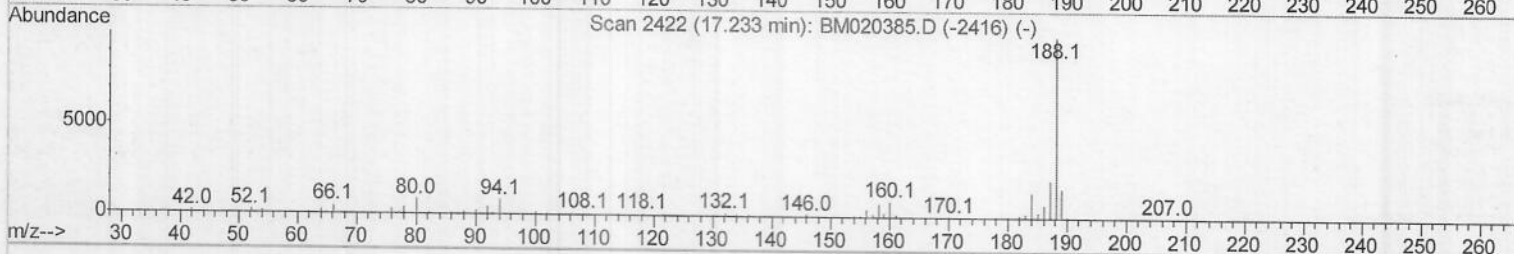
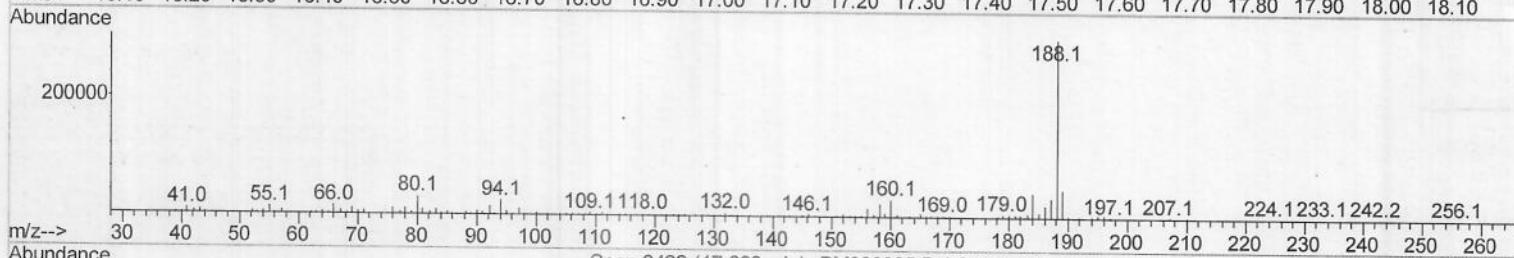
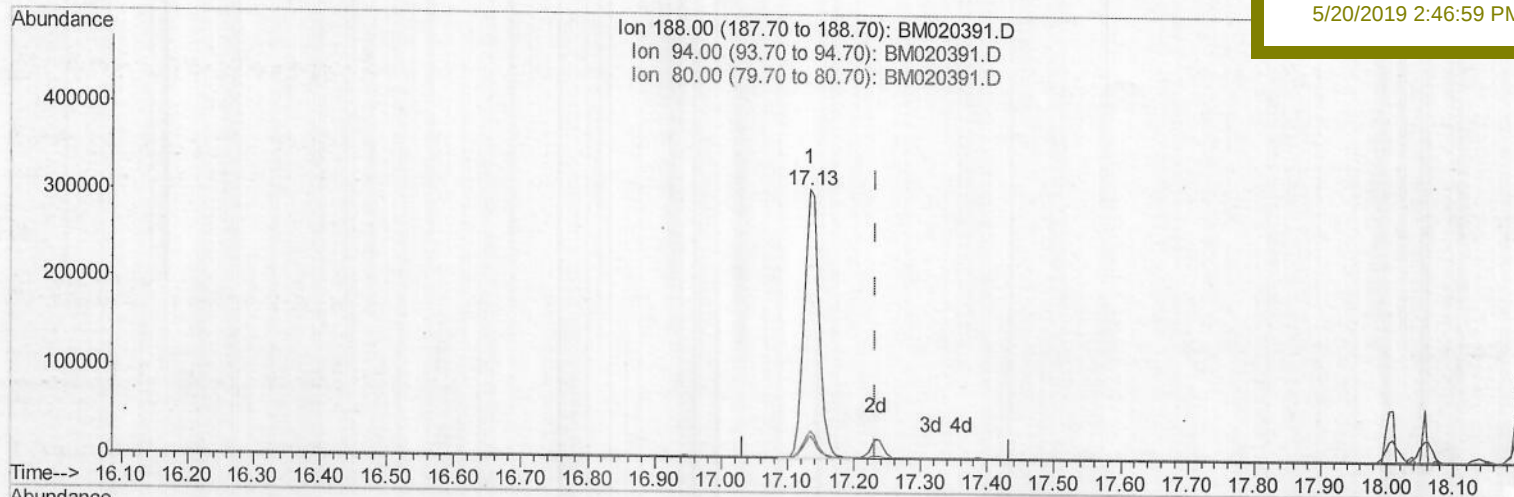
GAJ78

Manual Integrations

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TIC: BM020391.D

(70) Anthracene-d10 (S)

17.133min (-0.100) 23.31ng/ul

response 477874

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	8.15
80.00	9.20	9.91
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

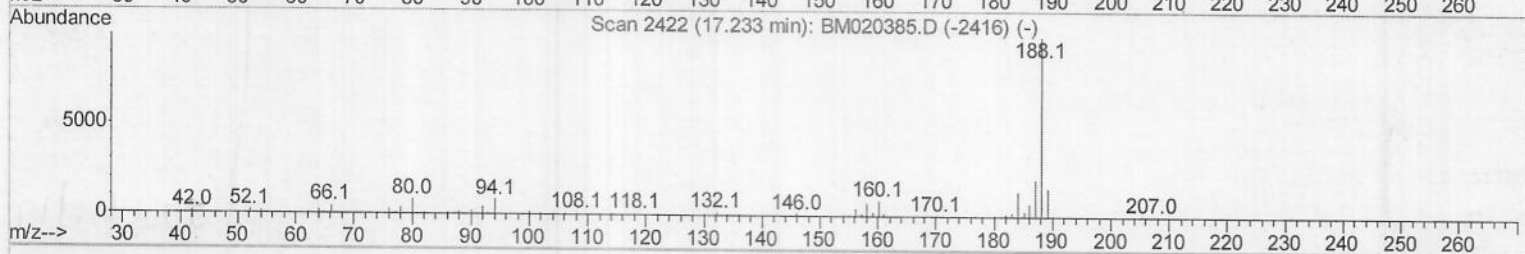
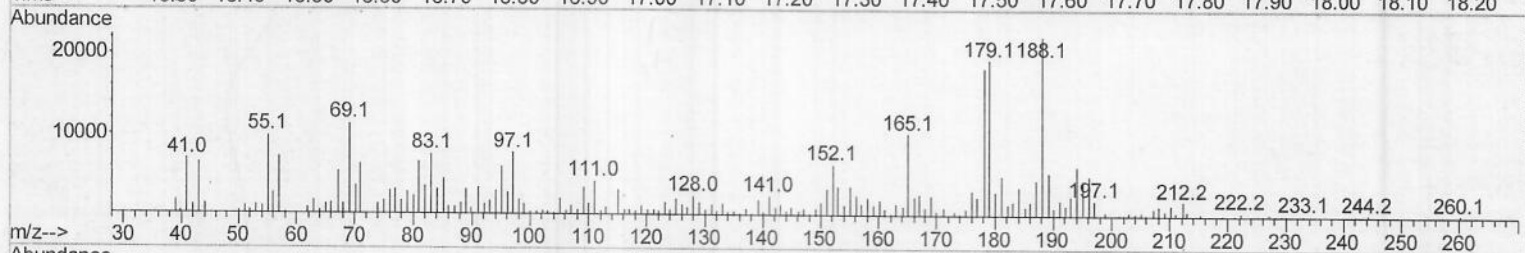
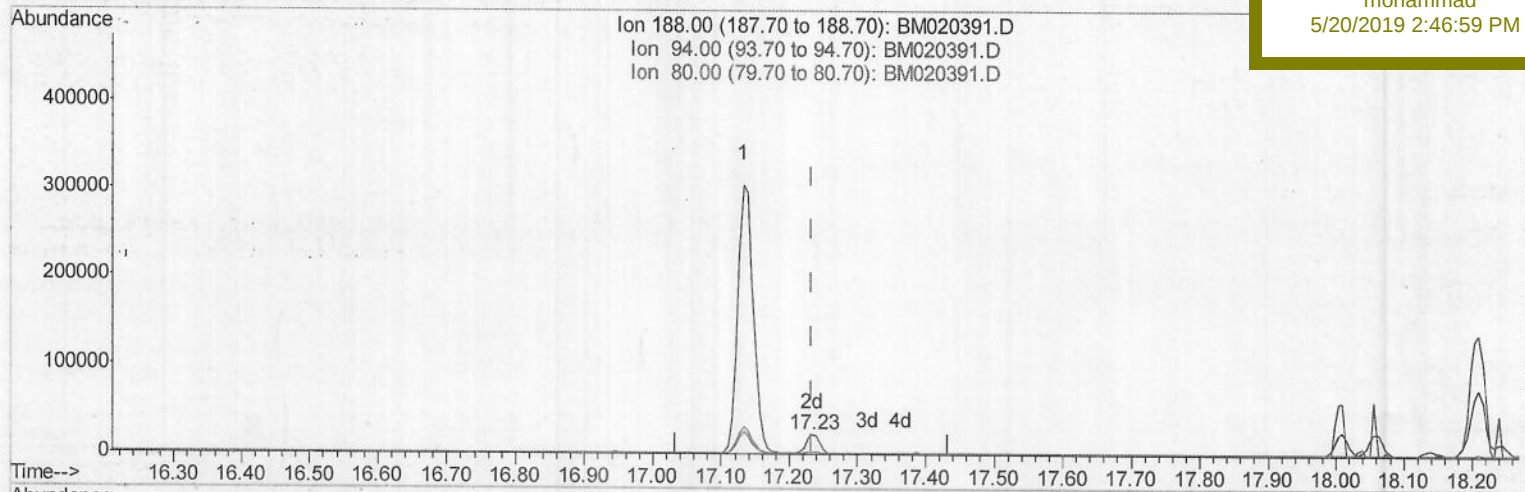
Client Sampled :

GAJ78

Manual Integrations
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TIC: BM020391.D

(70) Anthracene-d10 (S)

17.233min (-0.000) 1.44ng/ul m) JU0512/19

response 29562

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	14.38#
80.00	9.20	11.54#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

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Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

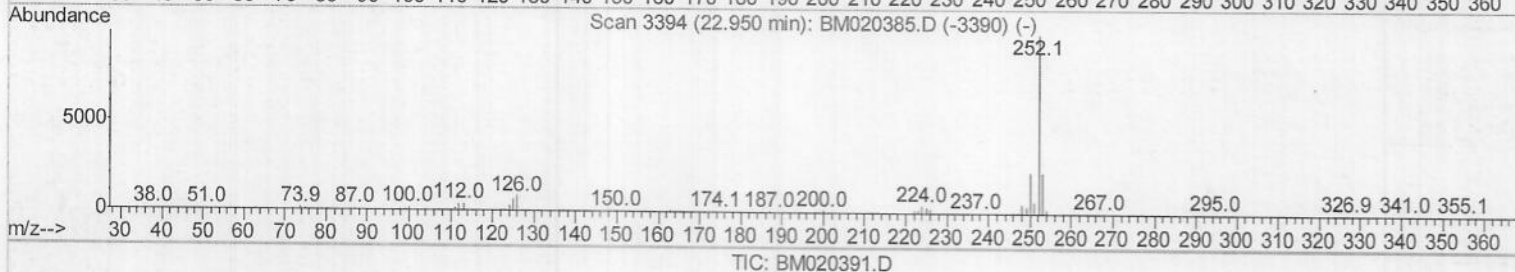
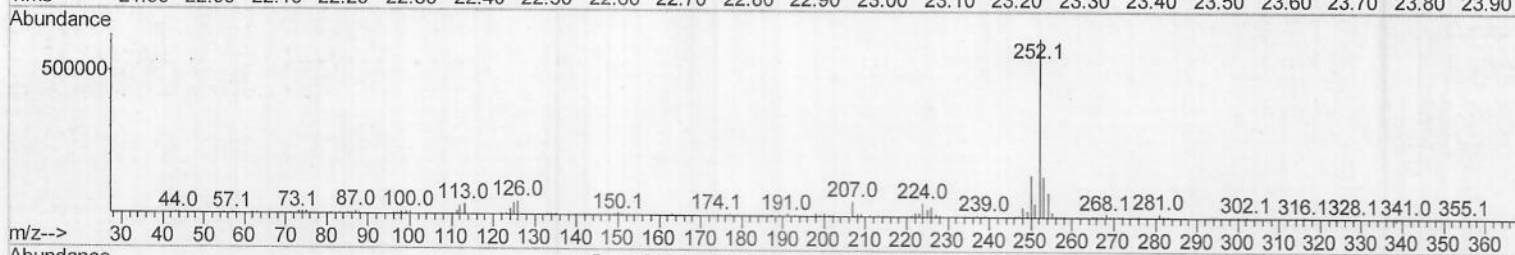
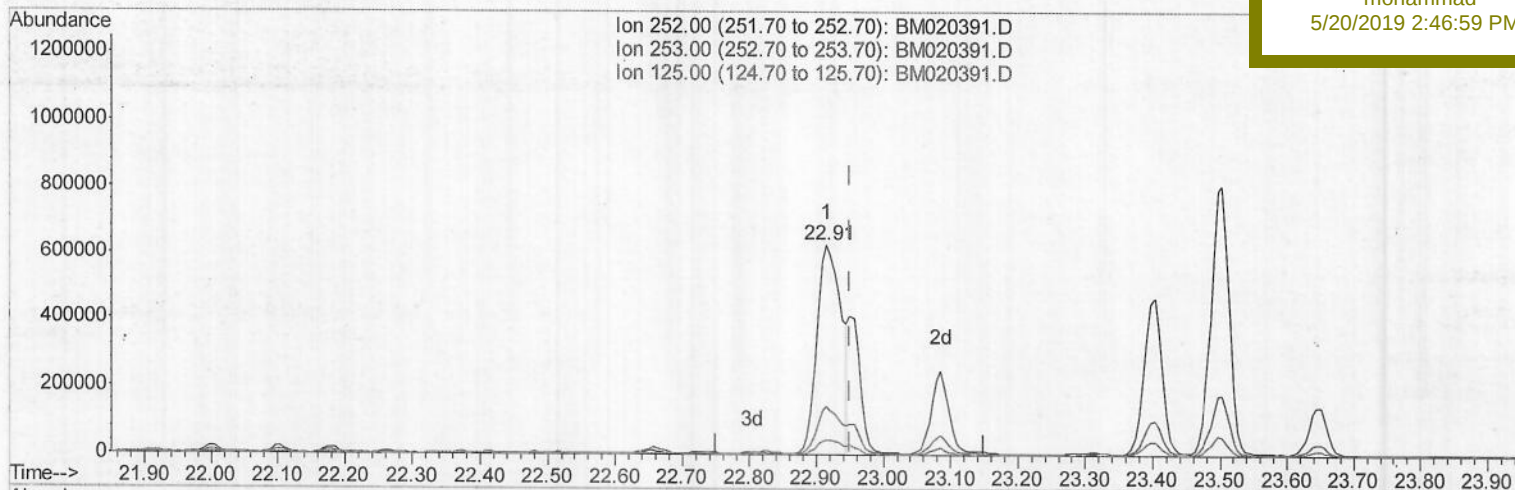
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Manual Integrations

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(88) Benzo(k)fluoranthene

22.915min (-0.035) 57.70ng/ul

response 1574468

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.70
125.00	6.30	6.84
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

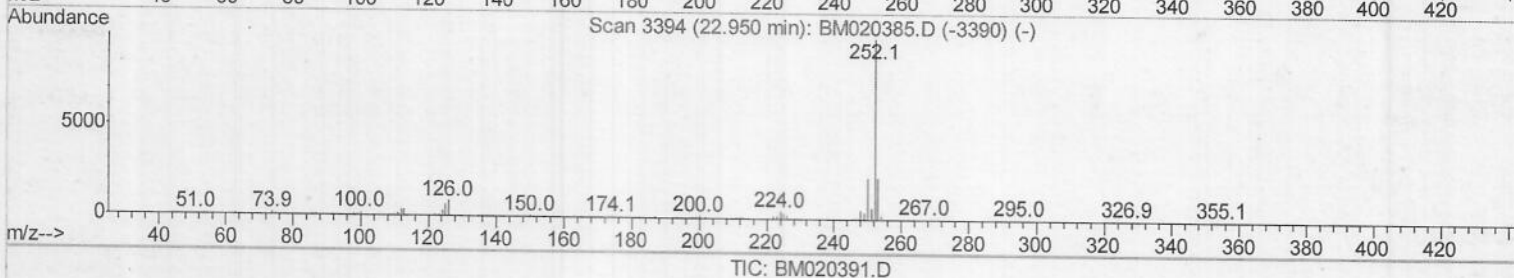
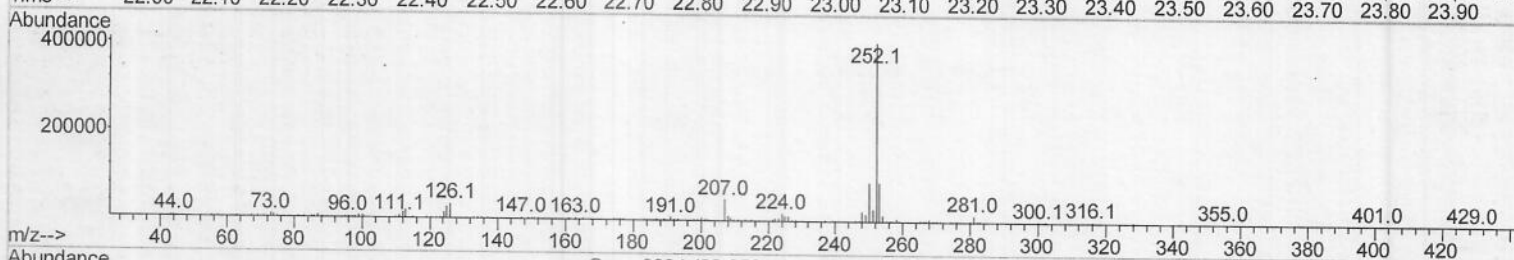
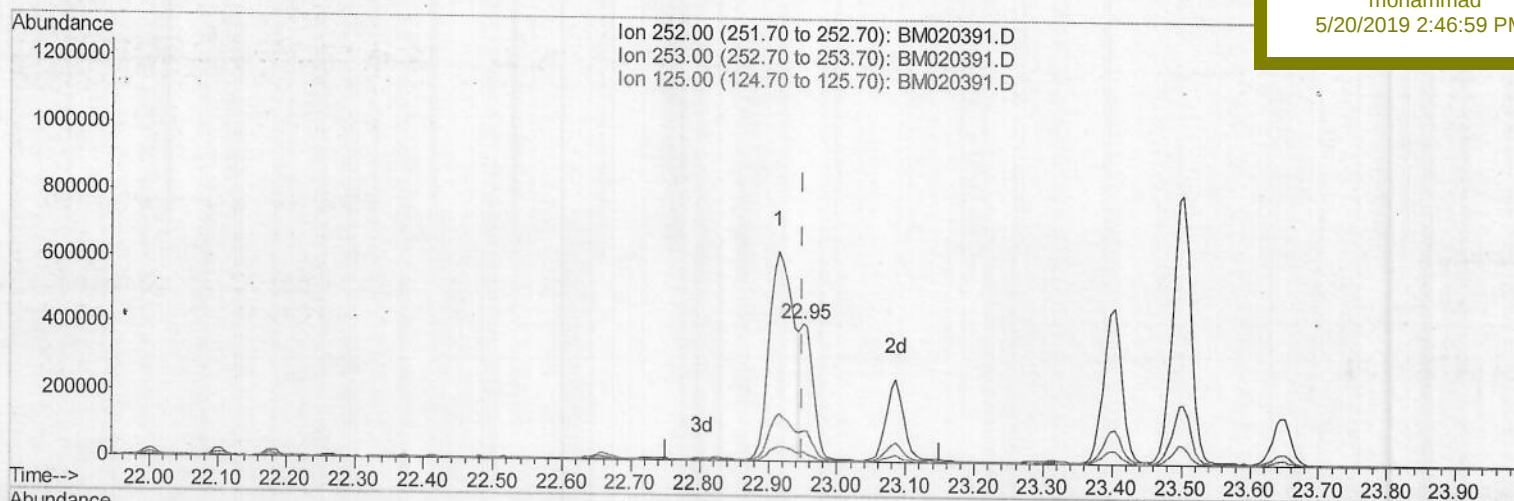
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJ78

Manual Integrations
APPROVEDmohammad
5/20/2019 2:46:59 PM

(88) Benzo(k)fluoranthene

22.950min (-0.000) 18.02ng/ul m

5005121119

response 491745

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.20
125.00	6.30	6.78
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

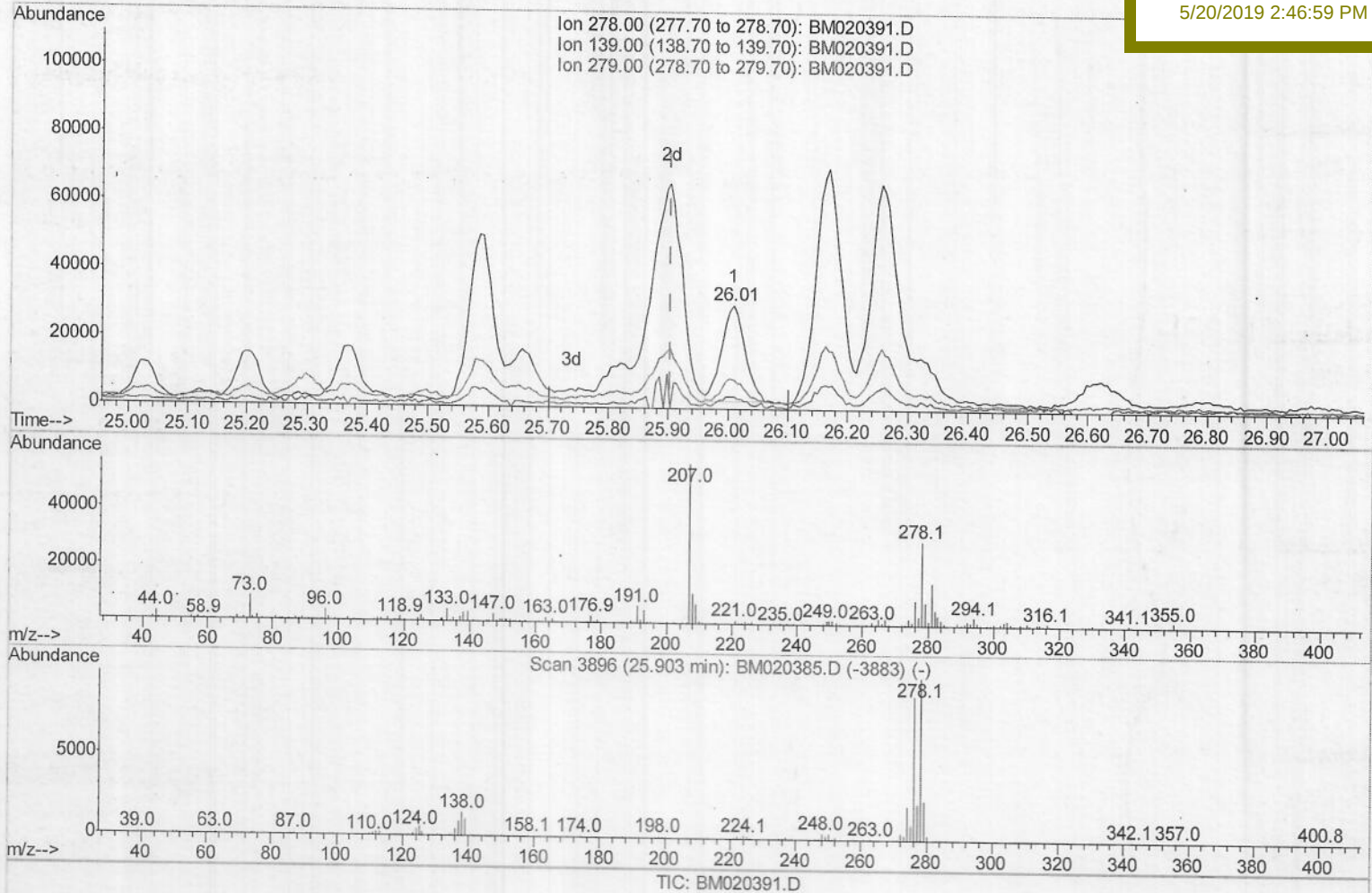
GAJ78

Manual Integrations

APPROVED

mohammad

5/20/2019 2:46:59 PM



(92) Dibenzo(a,h)anthracene

26.009min (+0.106) 2.93ng/ul

response 74519

Ion	Exp%	Act%
278.00	100	100
139.00	10.10	11.92
279.00	23.40	27.66
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 18 11:31:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

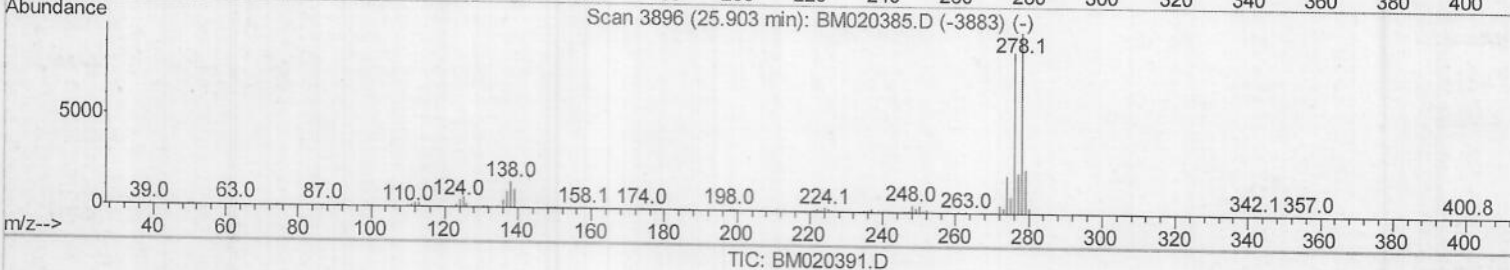
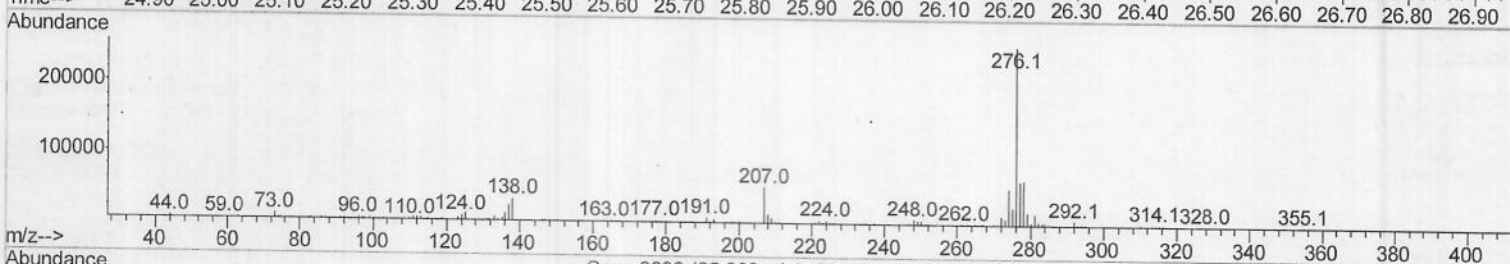
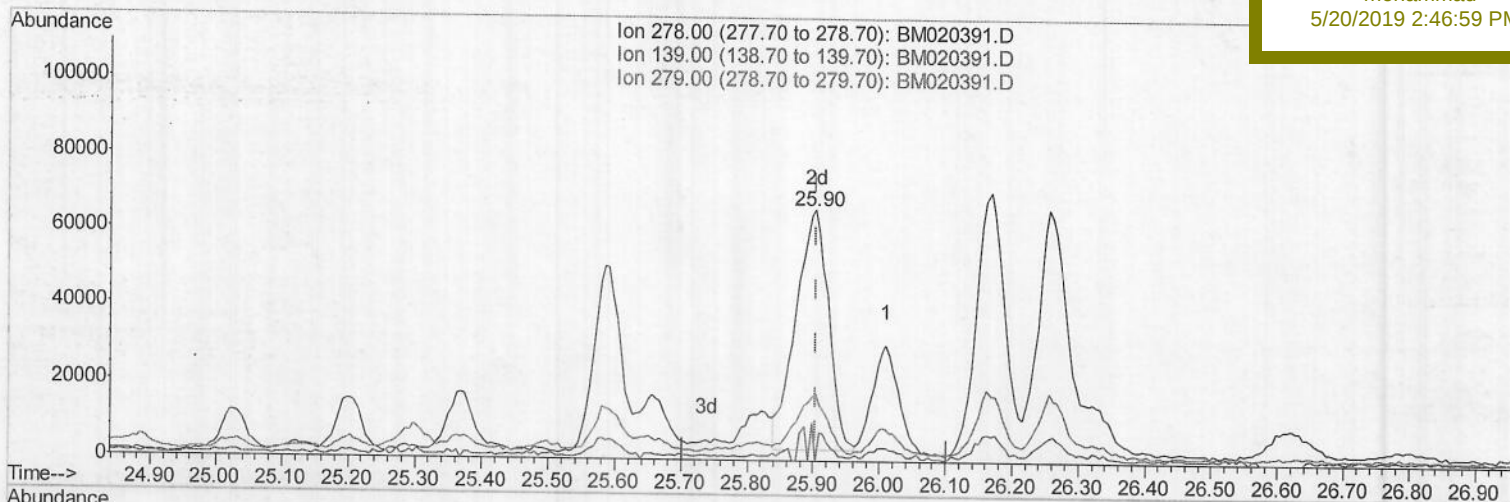
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJ78

Manual Integrations
APPROVEDmohammad
5/20/2019 2:46:59 PM

TIC: BM020391.D

(92) Dibenzo(a,h)anthracene

25.903min (-0.000) 8.40ng/ul m

JUV05/21/19

response 213957

Ion	Exp%	Act%
278.00	100	100
139.00	10.10	0.00#
279.00	23.40	26.43
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\

Data File : BM020391.D

Acq On : 18 May 2019 08:10

Operator : JU/SJ

Sample : K2604-04 20X

Misc :

ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 20 05:49:42 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat May 18 05:13:49 2019

Response via : Initial Calibration

Instrument :

BNA_M

Client Sampled :

GAJ78

Manual Integrations
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5/20/2019 2:46:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	85957	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	344165	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	213479	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	477874	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	427412	20.00	ng/ul	0.00
85) Perylene-d12	23.60	264	486760	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	462	0.20	ng/uL	0.02
5) Phenol-d5	6.90	99	5777m	0.84	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.09	67	4224m	0.97	ng/ul	0.01
9) 2-Chlorophenol-d4	7.26	132	5076	1.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	4029m	0.81	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	2562	1.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	1930	0.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	4896m	0.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	12741	2.36	ng/ul	0.03
43) Dimethylphthalate-d6	13.79	166	22231	1.45	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	26260	1.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	997m	0.45	ng/ul	0.02
57) Fluorene-d10	15.37	176	20902	1.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	1400	0.51	ng/ul	0.02
70) Anthracene-d10	17.23	188	29562m	1.44	ng/ul	0.00
78) Pyrene-d10	19.53	212	32009	1.55	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.45	264	29013	1.31	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.57	128	720325	45.554	ng/ul	99
34) 2-Methylnaphthalene	12.20	142	2832595	247.412	ng/ul	98
40) 1,1'-Biphenyl	13.21	154	46771	3.060	ng/ul	99
47) Acenaphthylene	14.11	152	1782689	98.398	ng/ul	98
49) Acenaphthene	14.44	153	242770	19.492	ng/ul	99
53) Dibenzofuran	14.78	168	497605	26.383	ng/ul	98
58) Fluorene	15.44	166	1403964	92.919	ng/ul	99
69) Phenanthrene	17.19	178	7532276	330.806	ng/ul	99
71) Anthracene	17.27	178	1383281	59.723	ng/ul	100
76) Fluoranthene	19.20	202	3637156	126.455	ng/ul	100
79) Pyrene	19.57	202	5048537	196.792	ng/ul	97
82) Benzo(a)anthracene	21.31	228	1777971	69.114	ng/ul	95
84) Chrysene	21.36	228	1585615	64.497	ng/ul	97
87) Benzo(b)fluoranthene	22.91	252	1574468	56.675	ng/ul	97
88) Benzo(k)fluoranthene	22.95	252	491745m	18.021	ng/ul	
90) Benzo(a)pyrene	23.50	252	1491134	57.035	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	751950	25.242	ng/ul	98
92) Dibenzo(a,h)anthracene	25.90	278	213957m	8.399	ng/ul	
93) Benzo(g,h,i)perylene	26.61	276	694358	28.158	ng/ul	98

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

JU05/21/19