

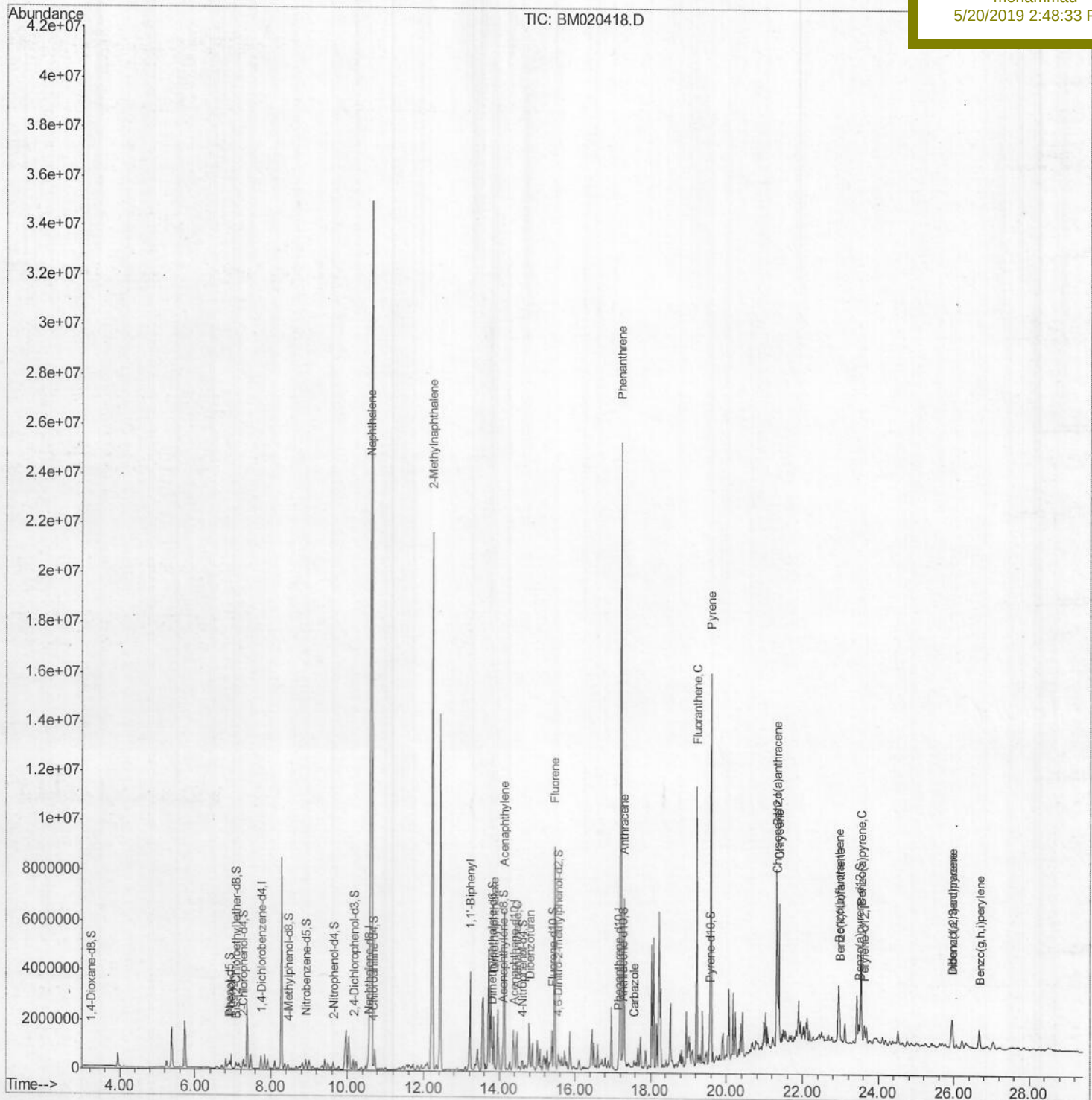
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\
Data File : BM020418.D
Acq On : 19 May 2019 02:54
Operator : JU/SJ
Sample : K2633-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 10:16:34 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 :
GAJB1

Manual Integrations
APPROVED

mohammad
5/20/2019 2:48:33 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

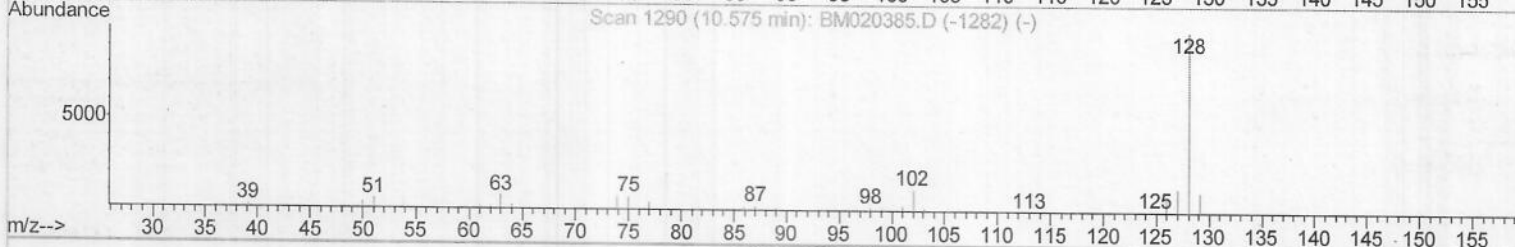
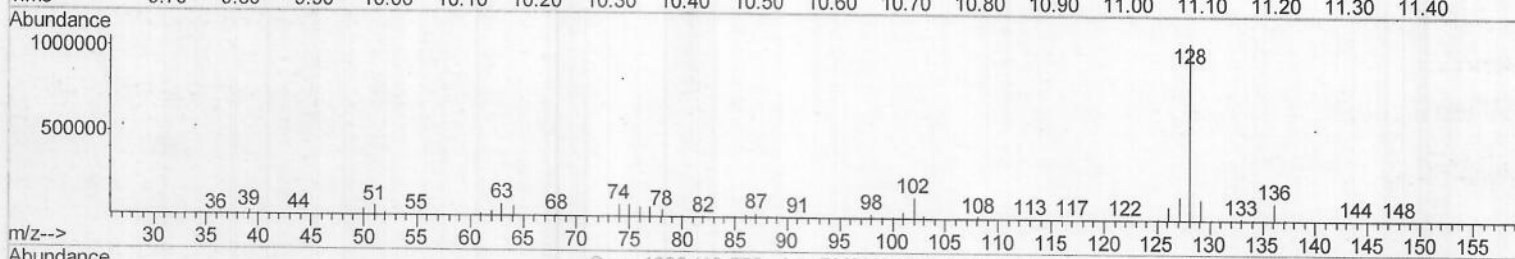
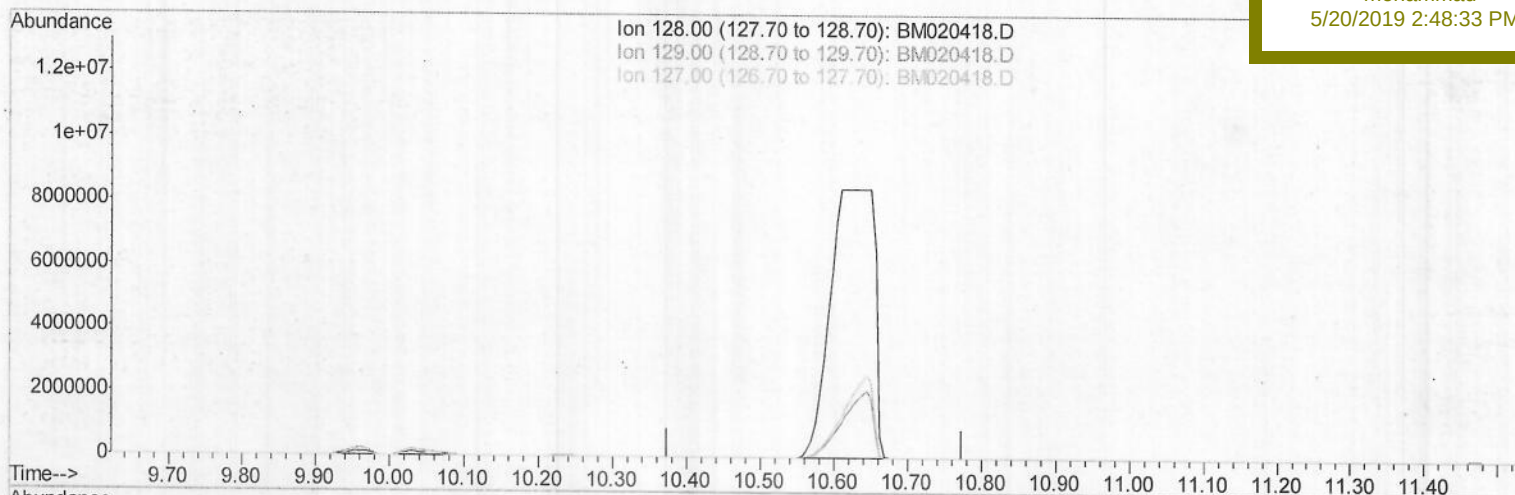
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:33 PM

(28) Naphthalene

10.575min (-10.575) 0.00ng/ul

response 0

Ion	Exp%	Act%
128.00	100	0.00
129.00	10.80	0.00#
127.00	13.20	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

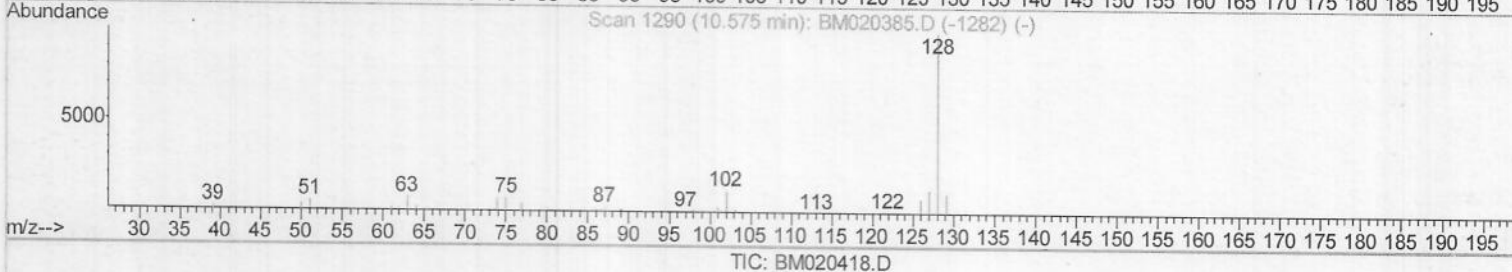
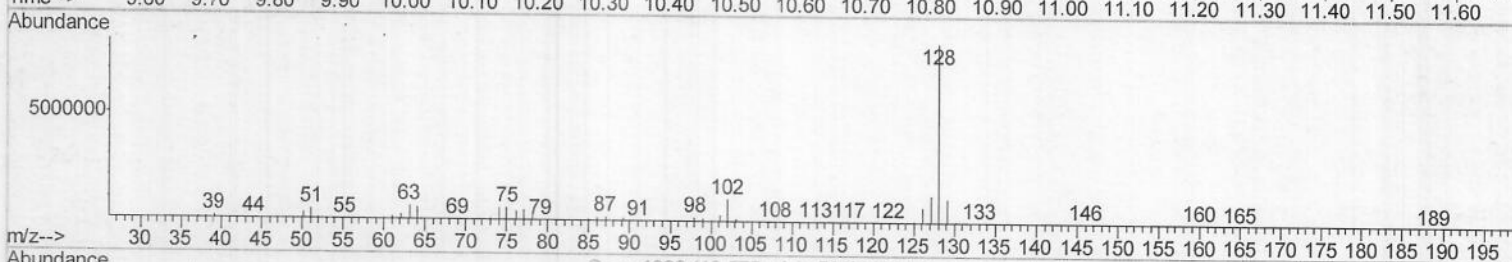
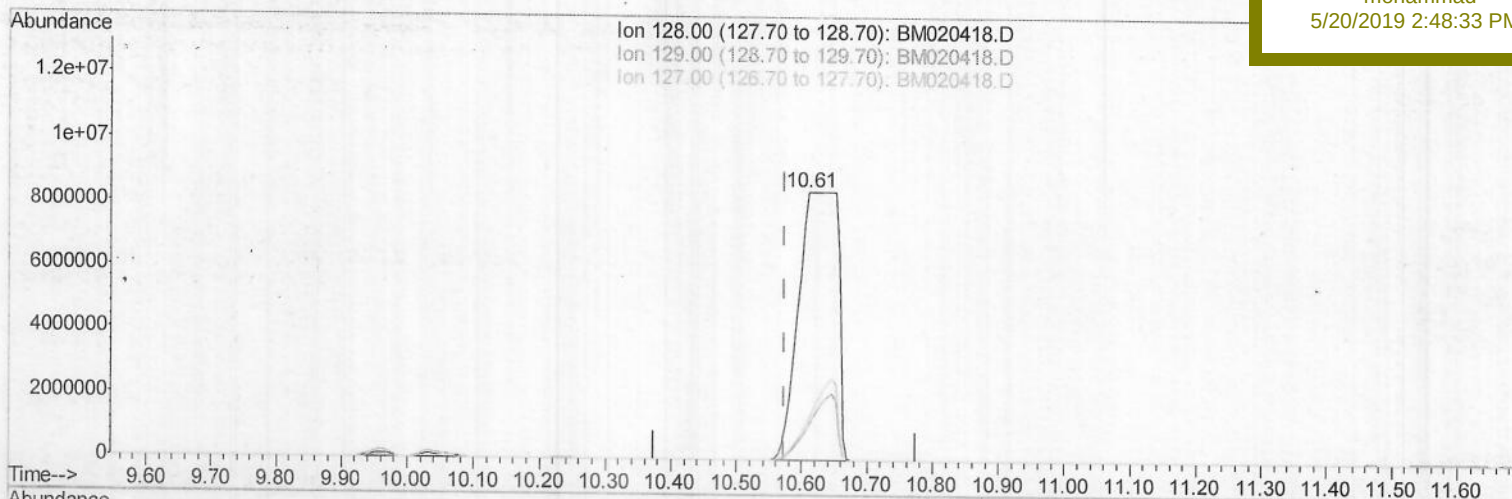
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:33 PM

TIC: BM020418.D

(28) Naphthalene

10.610min (+0.035) 1498.37ng/ul m) JU05121119

response 34770406

Ion	Exp%	Act%
128.00	100	100
129.00	10.80	12.83
127.00	13.20	15.10
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

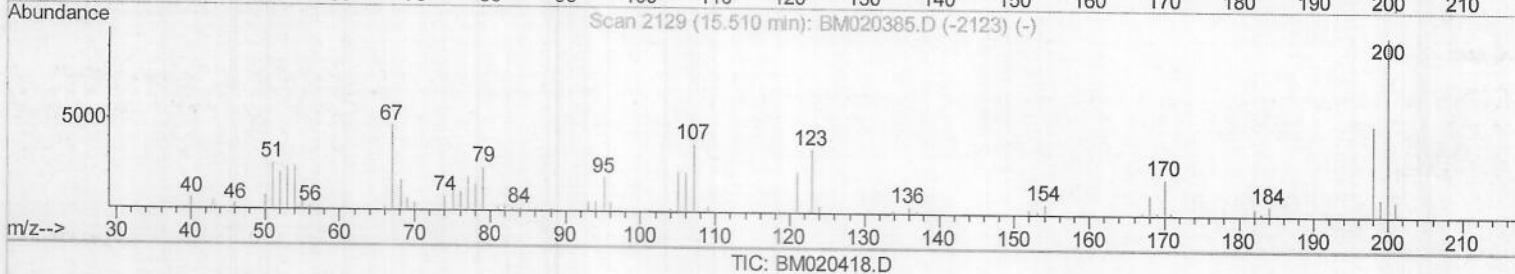
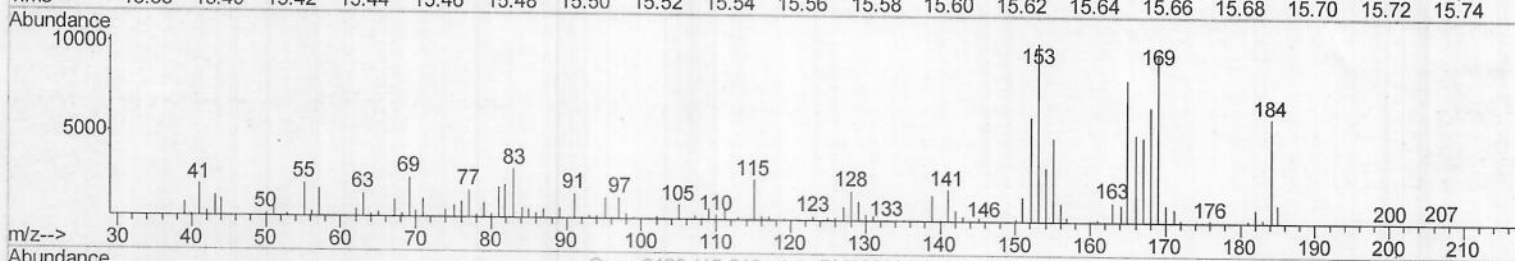
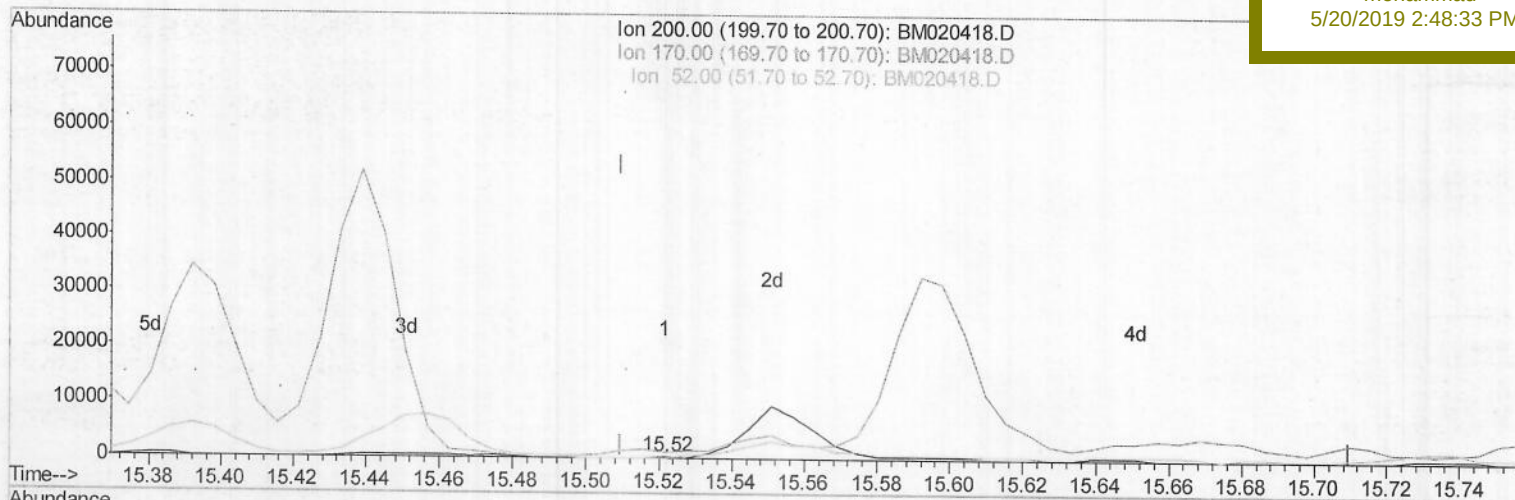
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:33 PM

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

15.522min (+0.012) 0.04ng/ul

response 106

Ion	Exp%	Act%
200.00	100	100
170.00	19.70	409.00#
52.00	29.20	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

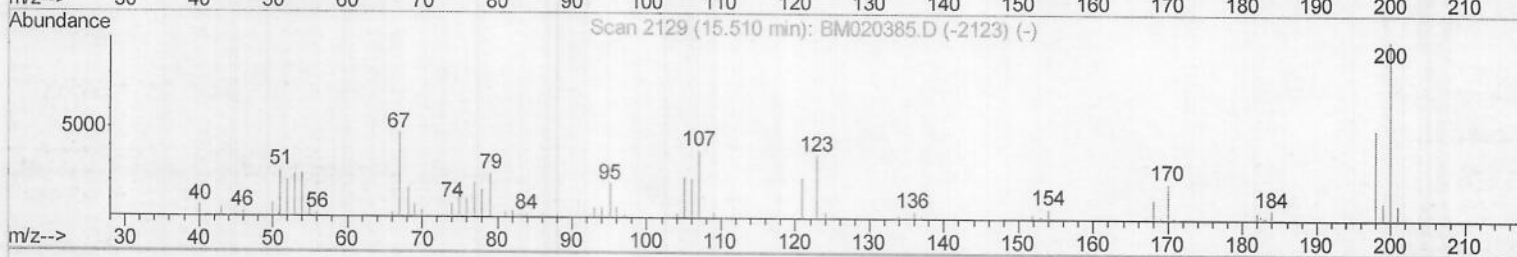
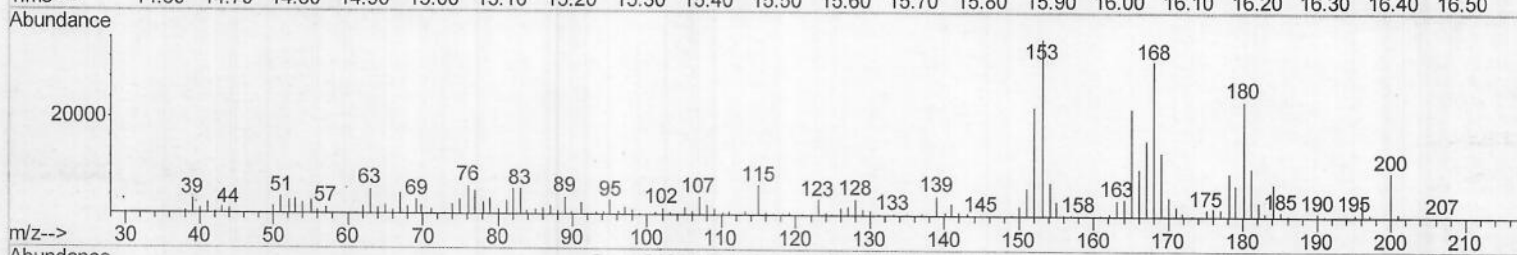
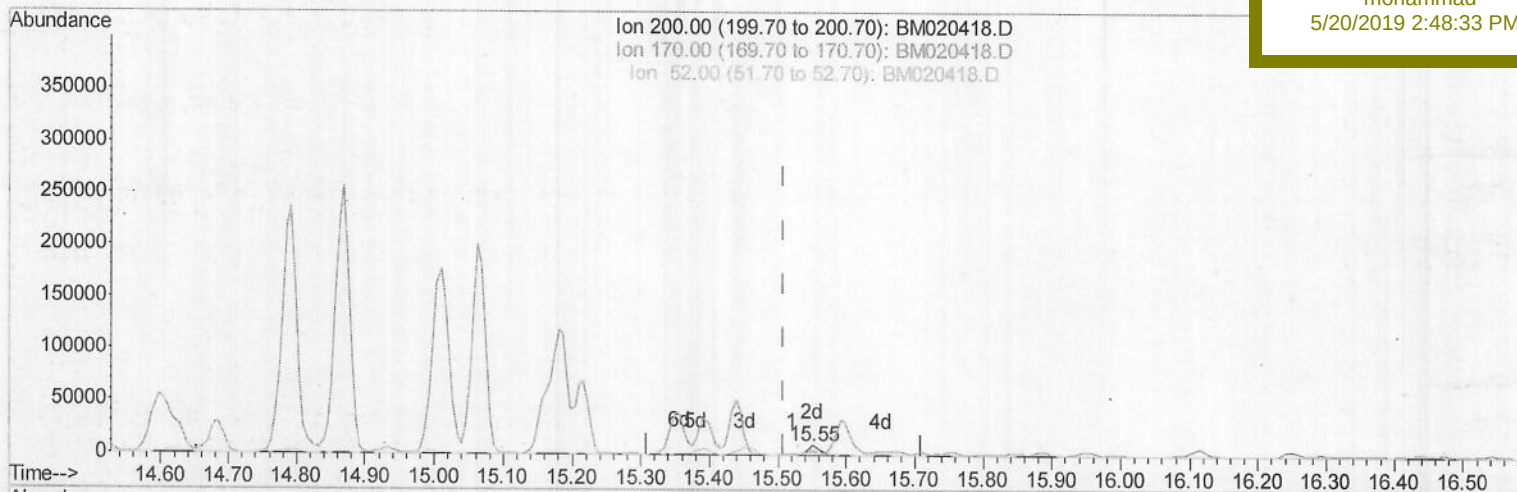
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
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5/20/2019 2:48:33 PM

TIC: BM020418.D

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

15.551min (+0.041) 4.19ng/ul m

) JU 05/21/19

response 12295

Ion	Exp%	Act%
200.00	100	100
170.00	19.70	44.60#
52.00	29.20	32.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

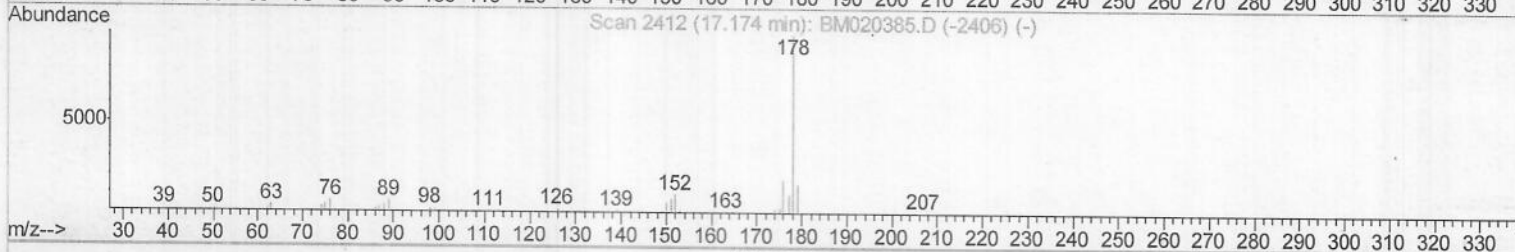
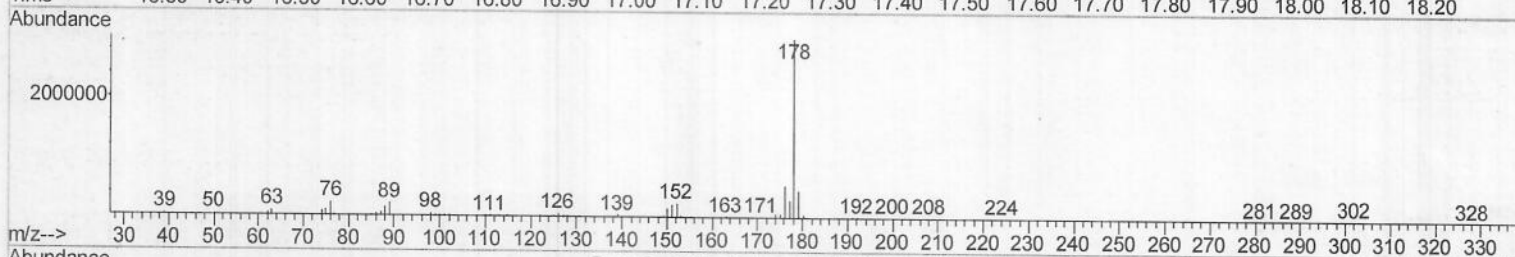
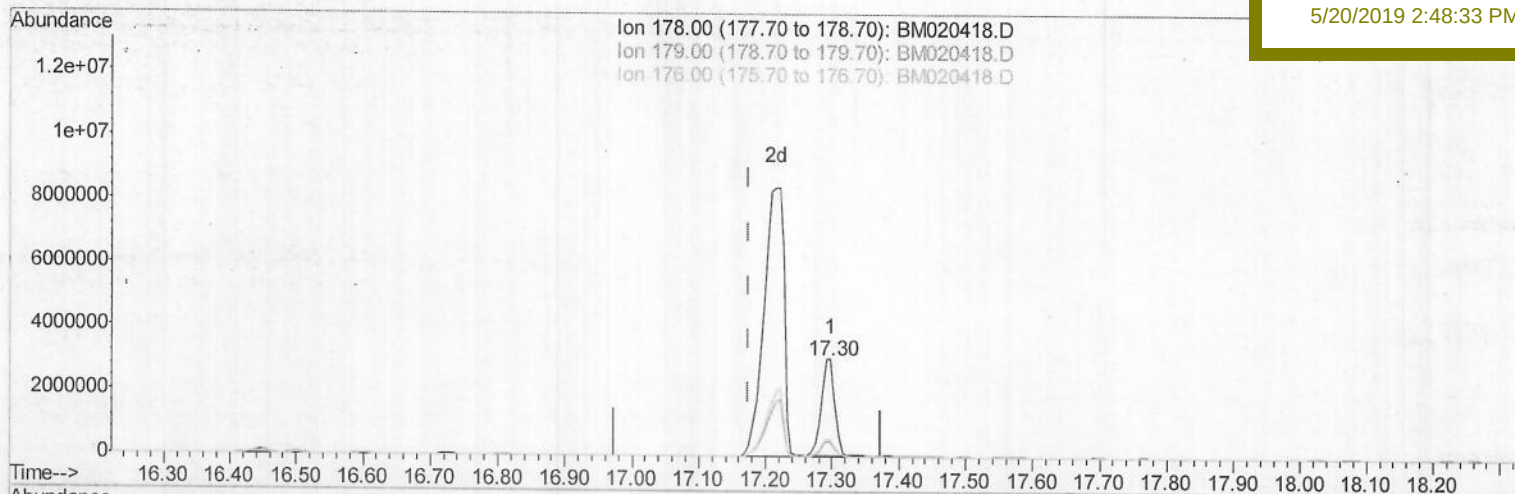
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:33 PM

(69) Phenanthrene

17.298min (+0.124) 171.49ng/ul

response 4211453

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	15.41
176.00	18.30	17.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

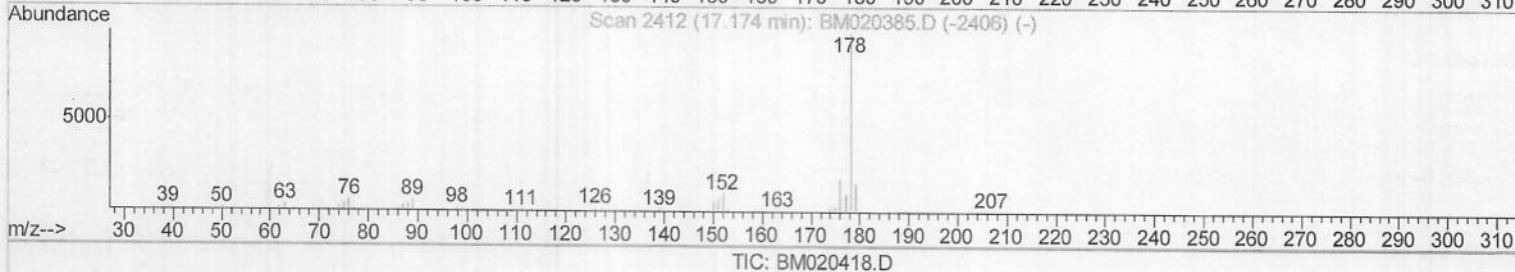
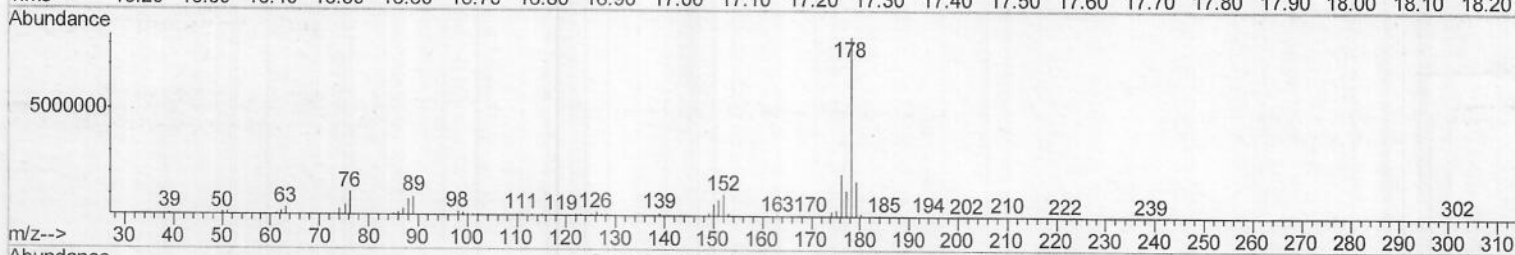
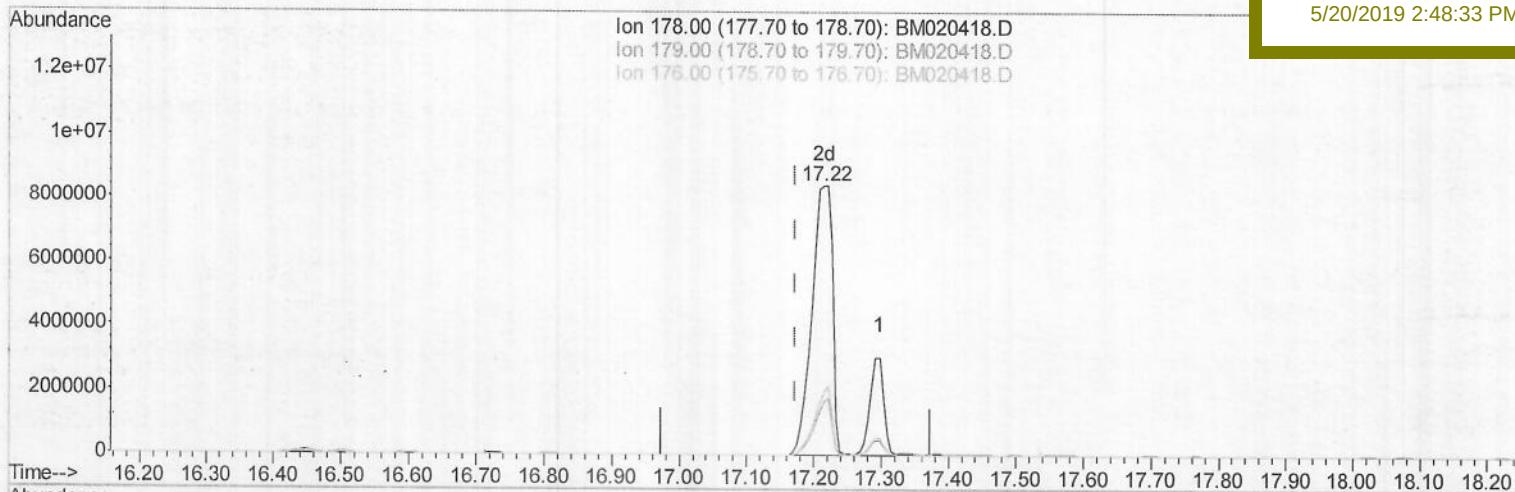
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:33 PM

TIC: BM020418.D

(69) Phenanthrene

17.215min (+0.041) 721.67ng/ul m

JUV05/21/19

response 17723276

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	20.06#
176.00	18.30	23.78#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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 :

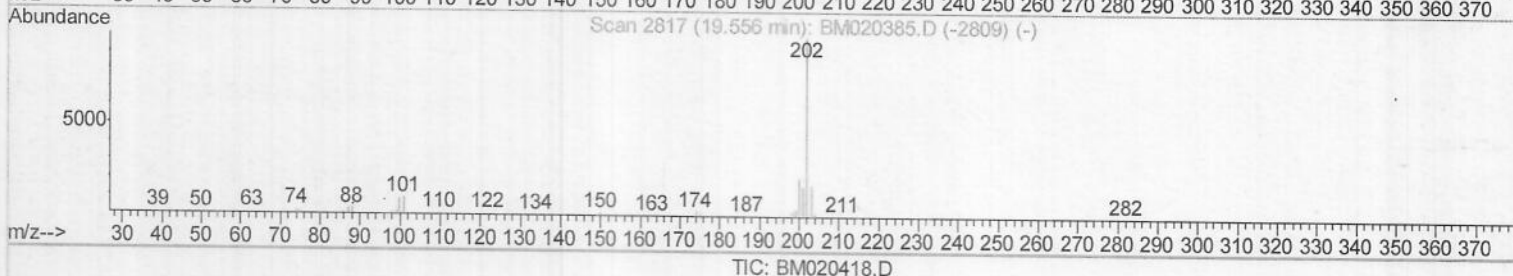
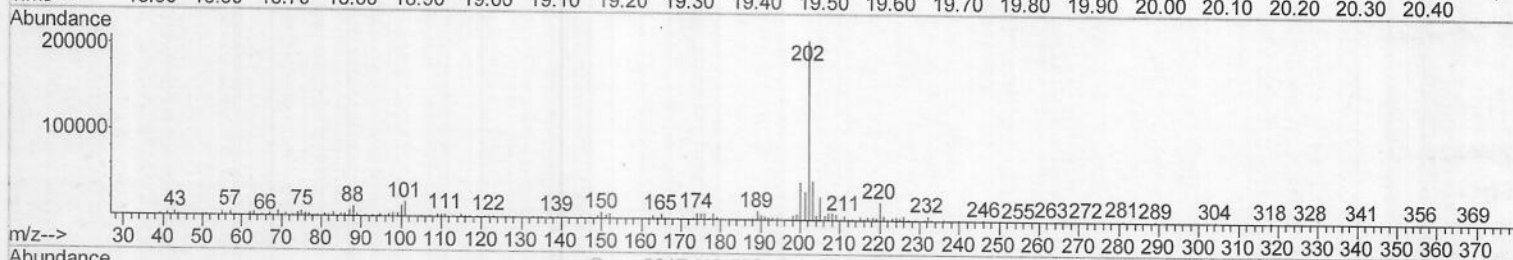
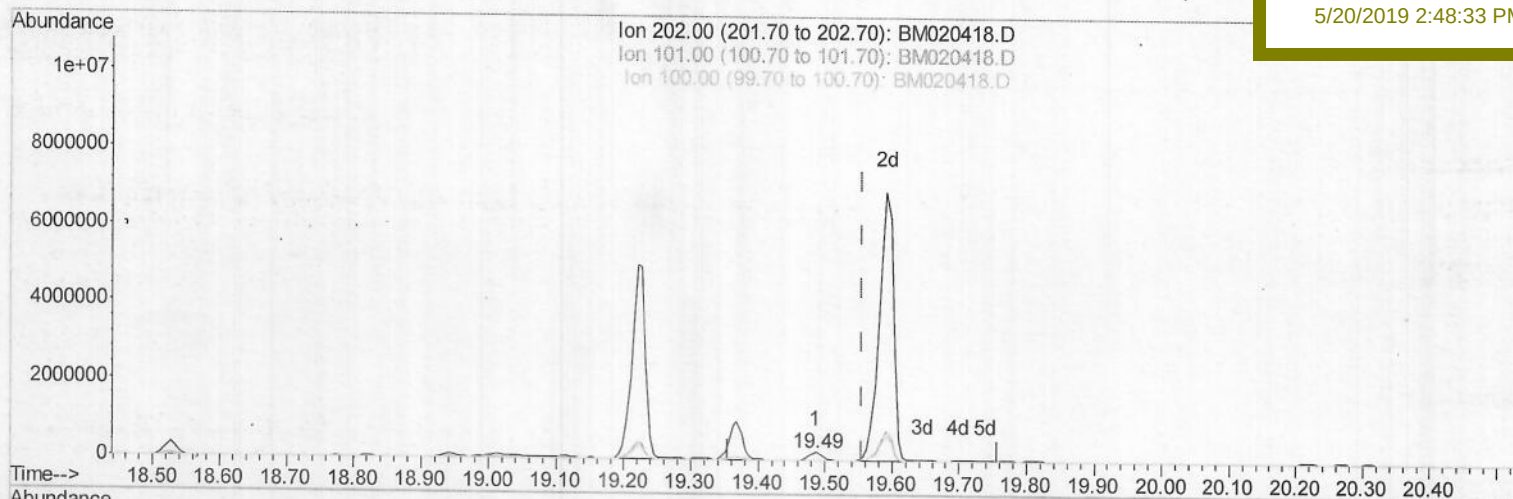
GAJB1

Manual Integrations

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5/20/2019 2:48:33 PM



(79) Pyrene

19.486min (-0.070) 9.61ng/ul

response 281975

Ion	Exp%	Act%
202.00	100	100
101.00	8.90	8.07
100.00	7.40	6.13
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

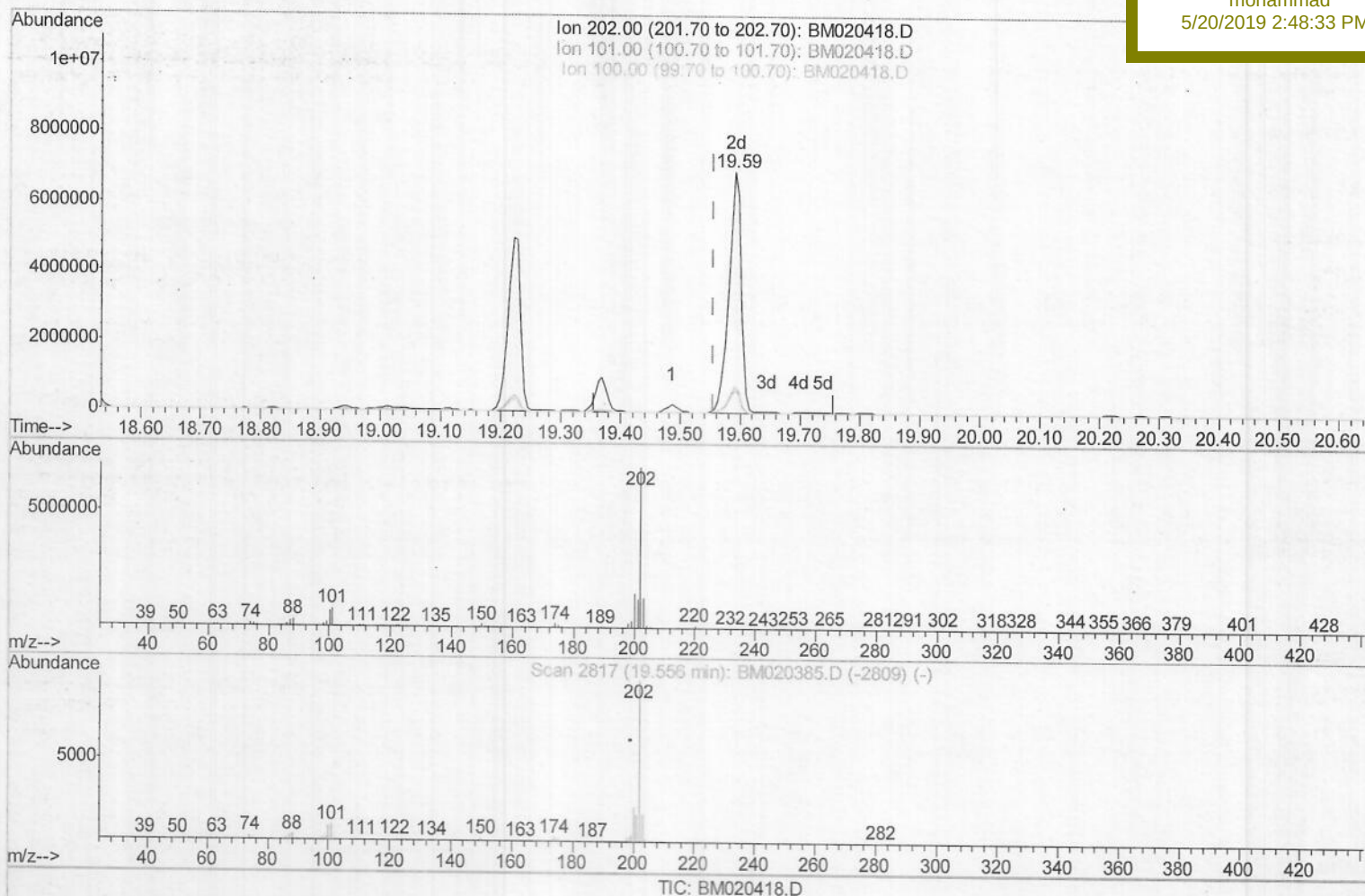
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:33 PM

(79) Pyrene

19.592min (+0.035) 344.99ng/ul m)JUOS/21/19

response 10121894

Ion	Exp%	Act%
202.00	100	100
101.00	8.90	11.10#
100.00	7.40	9.33#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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

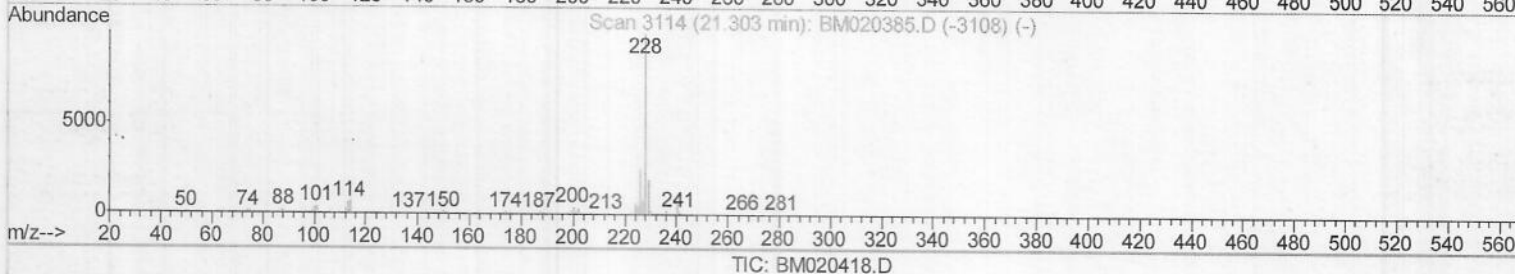
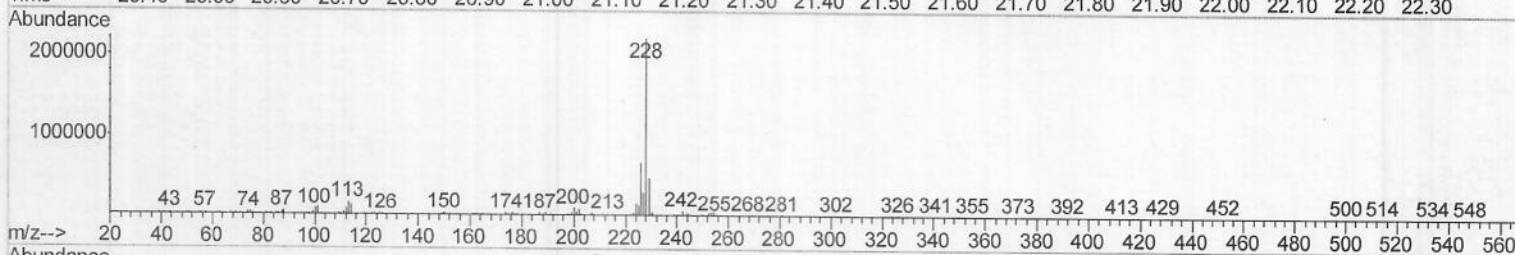
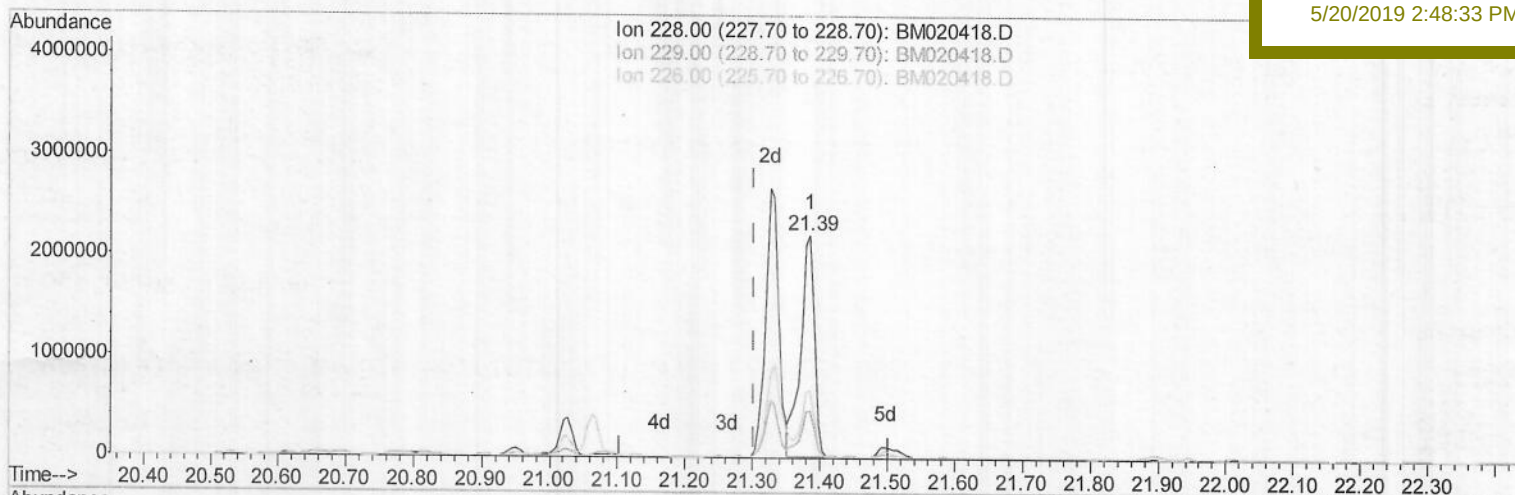
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJB1

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:33 PM

TIC: BM020418.D

(82) Benzo(a)anthracene

21.386min (+0.082) 105.69ng/ul

response 3109458

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	21.07
226.00	25.70	29.95
0.00	0.00	0.00

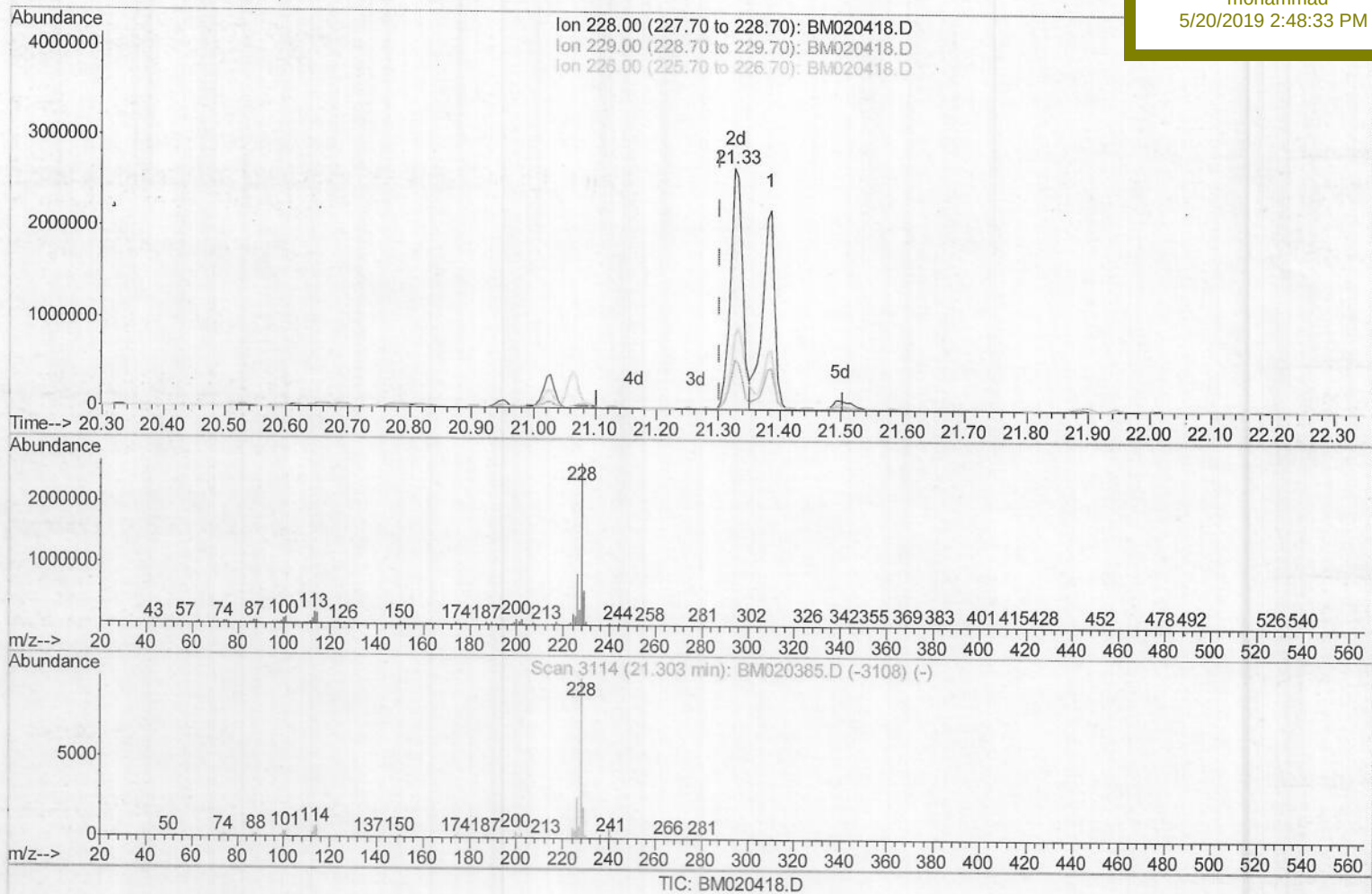
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\
Data File : BM020418.D
Acq On : 19 May 2019 02:54
Operator : JU/SJ
Sample : K2633-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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 :
GAJB1

Manual Integrations
APPROVED

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5/20/2019 2:48:33 PM



(82) Benzo(a)anthracene

21.327min (+0.024) 127.14ng/ul m) JU05/21/19

response 3740667

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	21.05
226.00	25.70	31.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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 :

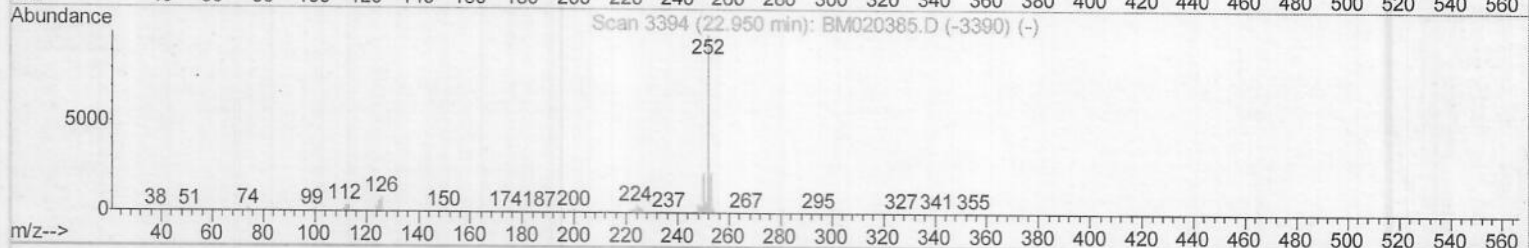
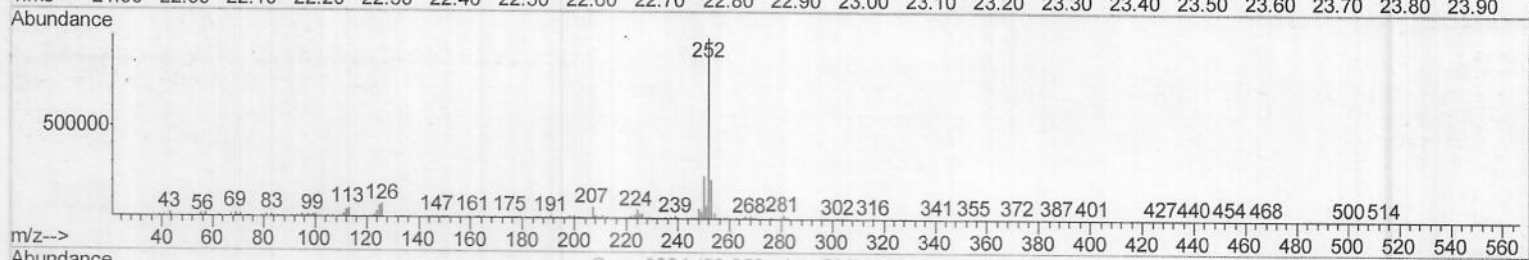
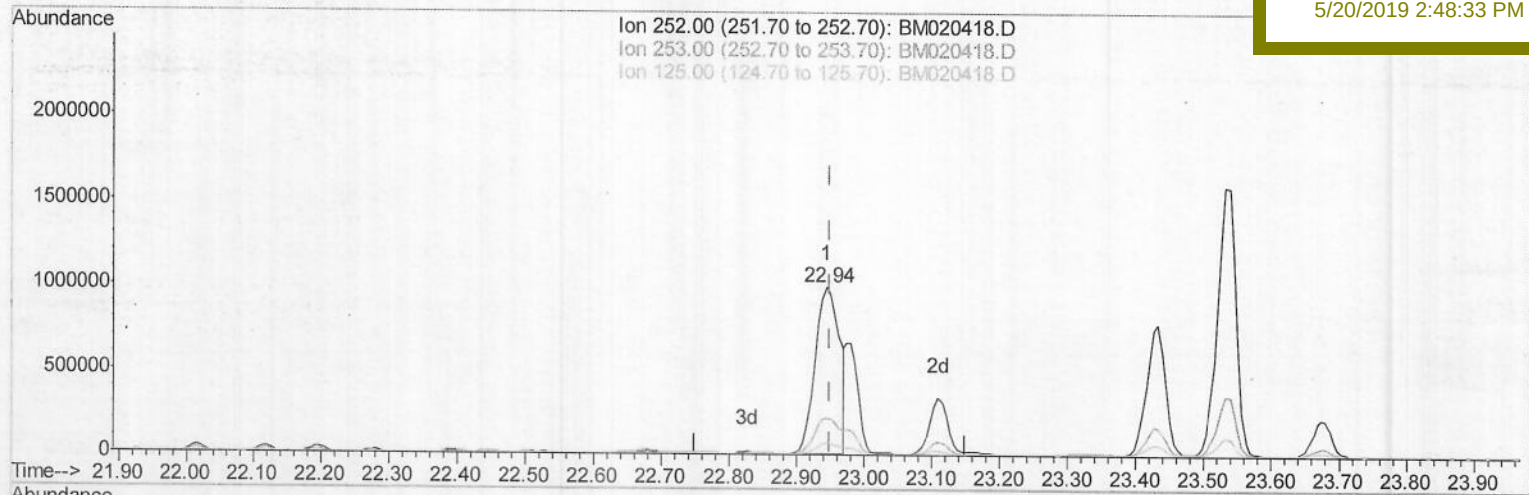
GAJB1

Manual Integrations

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5/20/2019 2:48:33 PM



TIC: BM020418.D

(88) Benzo(k)fluoranthene

22.945min (-0.006) 74.33ng/ul

response 2443518

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.17
125.00	6.30	7.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 07:15:32 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 Sample ID :

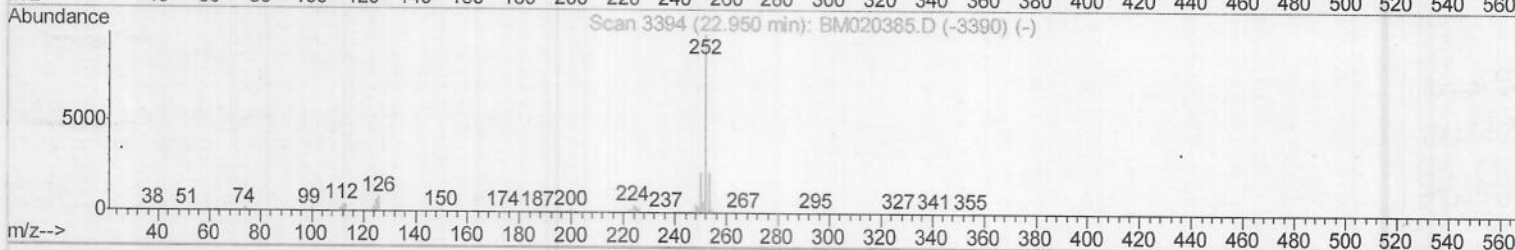
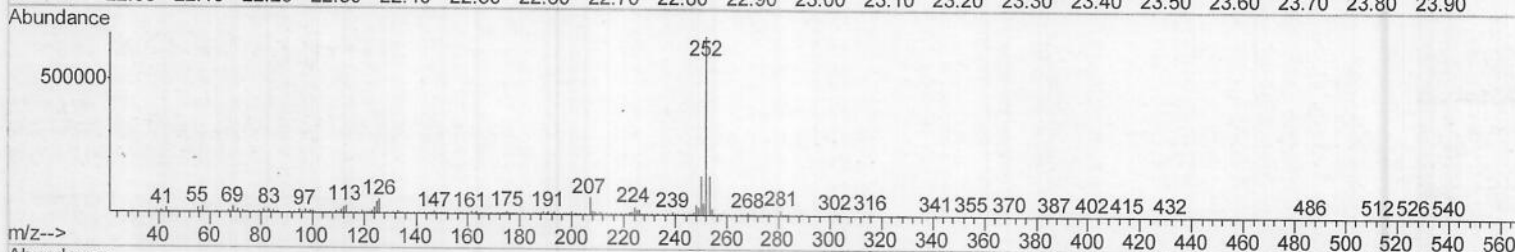
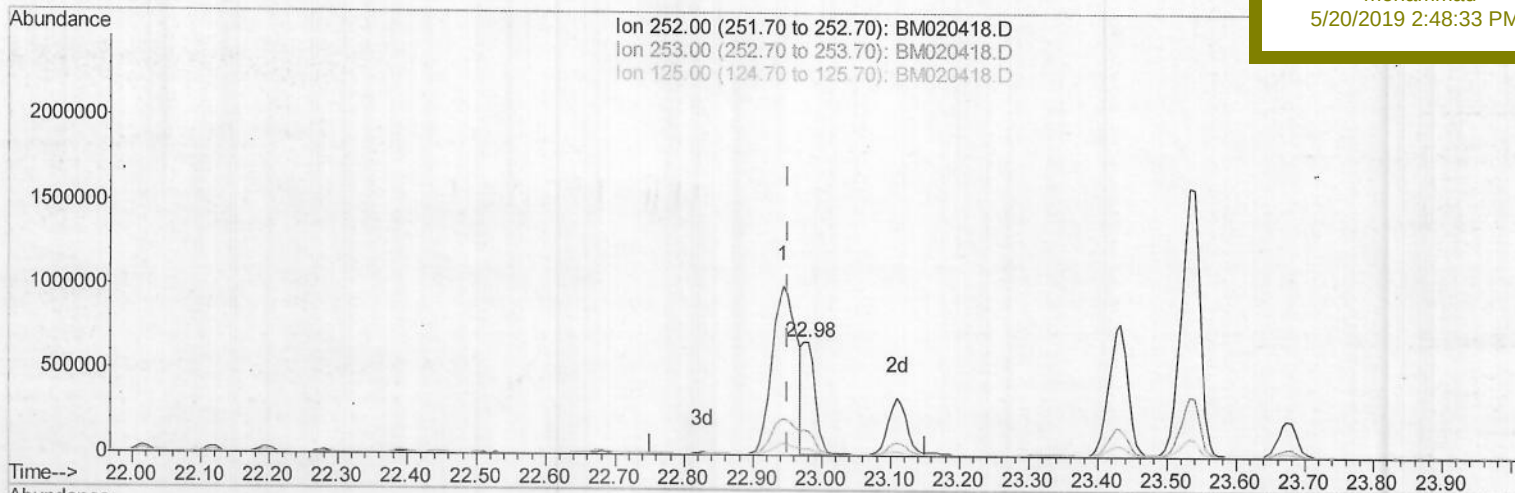
GAJB1

Manual Integrations

APPROVED

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5/20/2019 2:48:33 PM



TIC: BM020418.D

(88) Benzo(k)fluoranthene

22.980min (+0.029) 25.53ng/ul m) 5005/21/19

response 839259

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	21.99
125.00	6.30	6.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 10:16:34 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 :

GAJB1

Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	134298	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	505078	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.39	164	280014	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.16	188	515422	20.00	ng/ul	0.02
77) Chrysene-d12	21.34	240	488815	20.00	ng/ul	0.02
85) Perylene-d12	23.63	264	586443	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	10078	2.77	ng/uL	0.00
5) Phenol-d5	6.90	99	182317	17.02	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.08	67	124864	18.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	143705	18.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	68881	8.83	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	73333	22.32	ng/ul	0.01
22) 2-Nitrophenol-d4	9.63	143	80650	22.25	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.17	165	143638	18.74	ng/ul	0.02
29) 4-Chloroaniline-d4	10.69	131	99938	12.63	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	458153	22.74	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	546914	21.70	ng/ul	0.02
51) 4-Nitrophenol-d4	14.62	143	27533	9.41	ng/ul	0.02
57) Fluorene-d10	15.39	176	365904	20.42	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.55	200	12295m	4.19	ng/ul	0.04
70) Anthracene-d10	17.26	188	501234	22.67	ng/ul	0.02
78) Pyrene-d10	19.55	212	530489	22.53	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.48	264	590562	22.16	ng/ul	0.04

Target Compounds

					Qvalue	
6) Phenol	6.93	94	38423	3.409	ng/ul#	88
28) Naphthalene	10.61	128	34770406m	1498.368	ng/ul	
34) 2-Methylnaphthalene	12.23	142	12070173	718.388	ng/ul	96
40) 1,1'-Biphenyl	13.23	154	2064595	102.992	ng/ul	100
44) Dimethylphthalate	13.85	163	173139	8.687	ng/ul	98
47) Acenaphthylene	14.13	152	3834498	161.360	ng/ul	97
49) Acenaphthene	14.46	153	579490	35.471	ng/ul	97
53) Dibenzofuran	14.80	168	600260	24.263	ng/ul	97
58) Fluorene	15.46	166	4040284	203.863	ng/ul	99
69) Phenanthrene	17.22	178	17723276m	721.674	ng/ul	
71) Anthracene	17.30	178	4211453	168.584	ng/ul	100
74) Carbazole	17.56	167	128813	6.075	ng/ul	93
76) Fluoranthene	19.22	202	7068504	227.852	ng/ul	98
79) Pyrene	19.59	202	10121894m	344.990	ng/ul	
82) Benzo(a)anthracene	21.33	228	3740667m	127.144	ng/ul	
84) Chrysene	21.39	228	3109458	110.594	ng/ul	96
87) Benzo(b)fluoranthene	22.94	252	2443518	73.006	ng/ul	98
88) Benzo(k)fluoranthene	22.98	252	839259m	25.529	ng/ul	
90) Benzo(a)pyrene	23.53	252	3005988	95.434	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.95	276	1205062	33.576	ng/ul#	96
92) Dibenzo(a,h)anthracene	25.95	278	347914	11.336	ng/ul#	94
93) Benzo(g,h,i)perylene	26.67	276	1030873	34.698	ng/ul	98

JU05/21/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051819\

Data File : BM020418.D

Acq On : 19 May 2019 02:54

Operator : JU/SJ

Sample : K2633-19

Misc :

ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 10:16:34 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 :

GAJB1

Manual Integrations

APPROVED

mohammad

5/20/2019 2:48:33 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed