

Data File : BM020416.D

Operator : JU/SJ

Misc :

Quant Time: May 21 10:16:59 2019

Quant Title : SVOA CALIBRATION

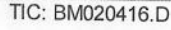
Response via : Initial Calibration

BNA_M

GAJA0

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5/20/2019 2:48:26 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

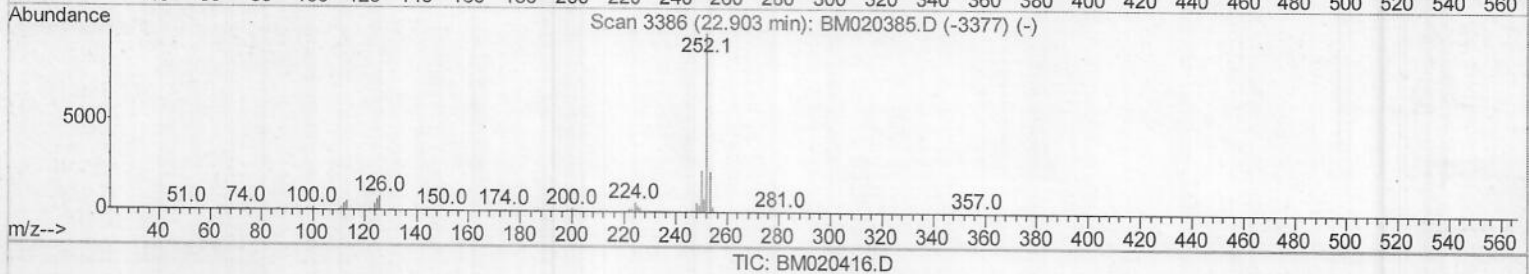
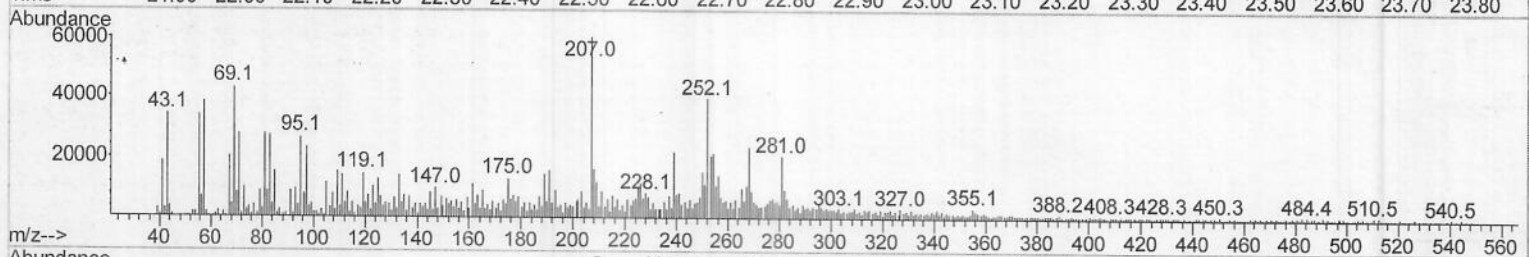
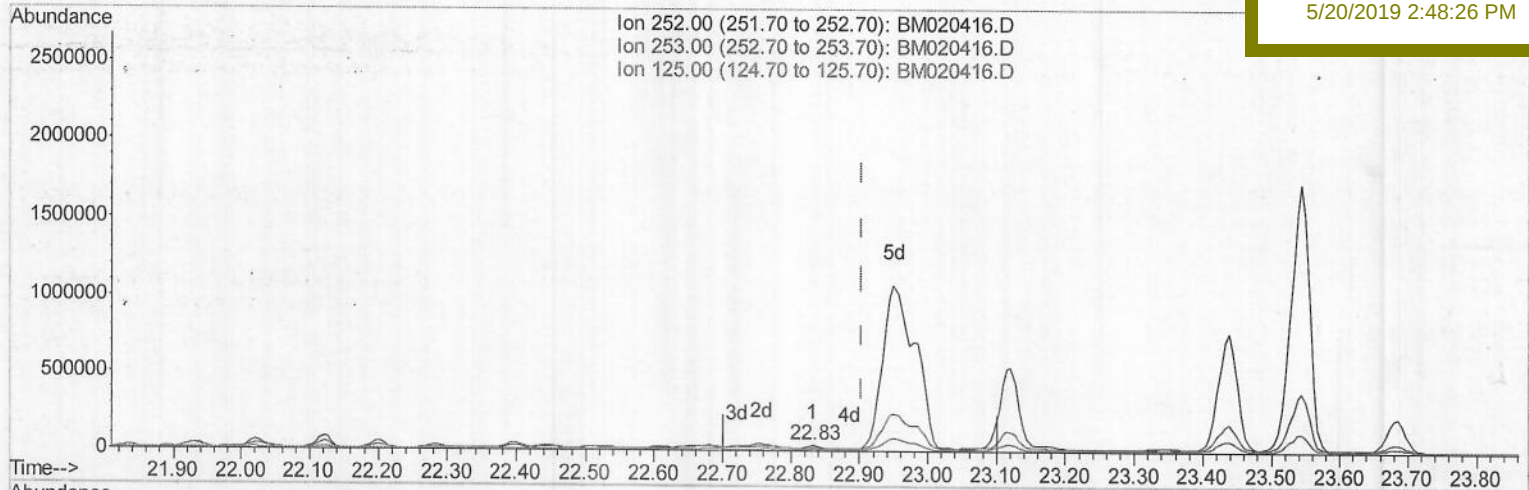
GAJA0

Manual Integrations

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(87) Benzo(b)fluoranthene

22.833min (-0.071) 1.01ng/ul

response 38971

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	52.73#
125.00	6.20	32.51#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

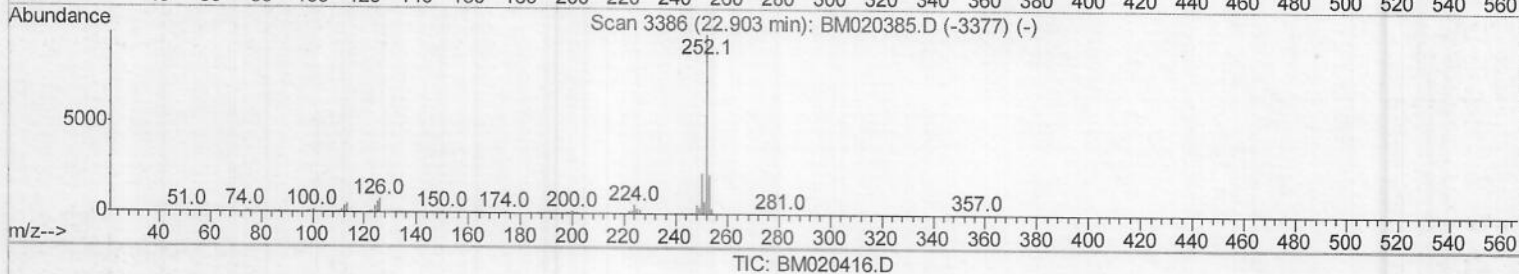
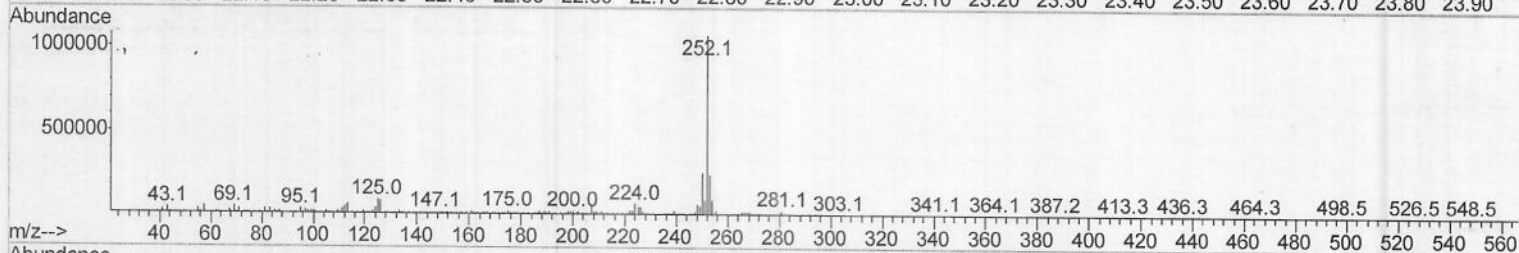
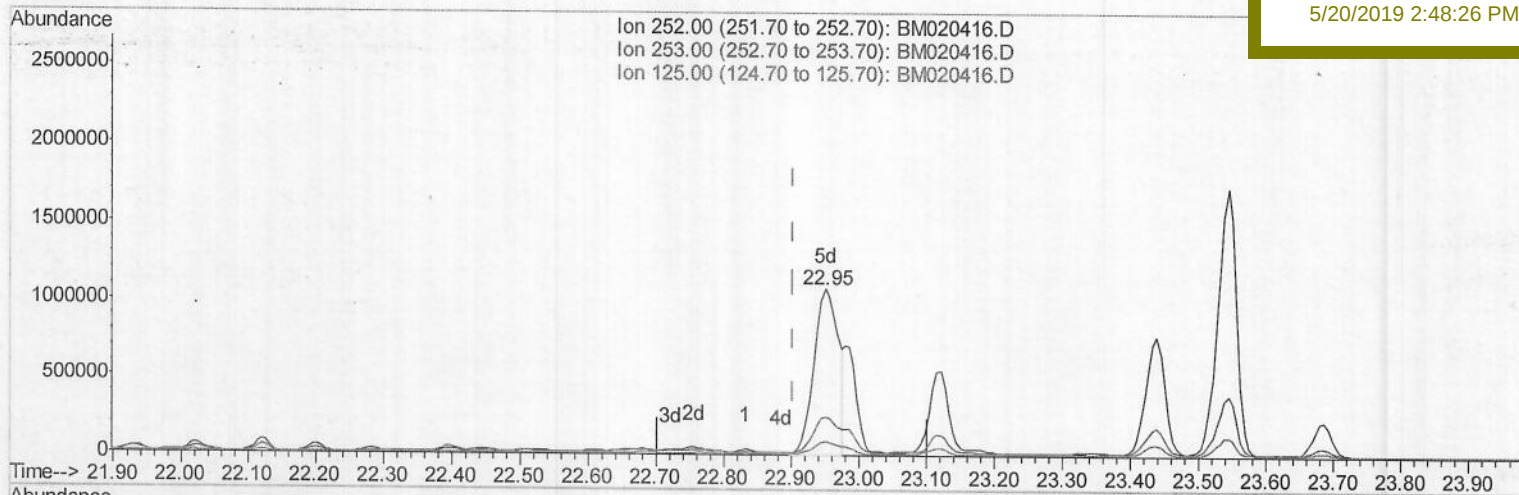
GAJA0

Manual Integrations

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mohammad

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(87) Benzo(b)fluoranthene

22.950min (+0.047) 68.56ng/ul m)SVO512119

response 2652225

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	22.87
125.00	6.20	7.94#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

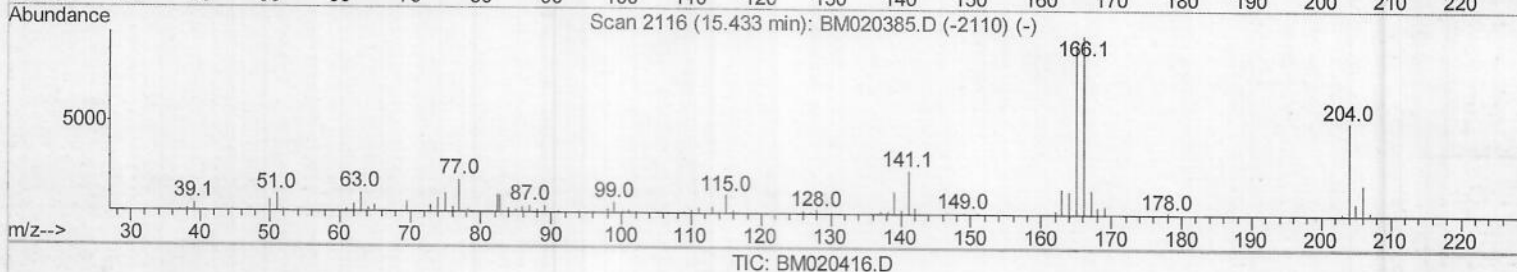
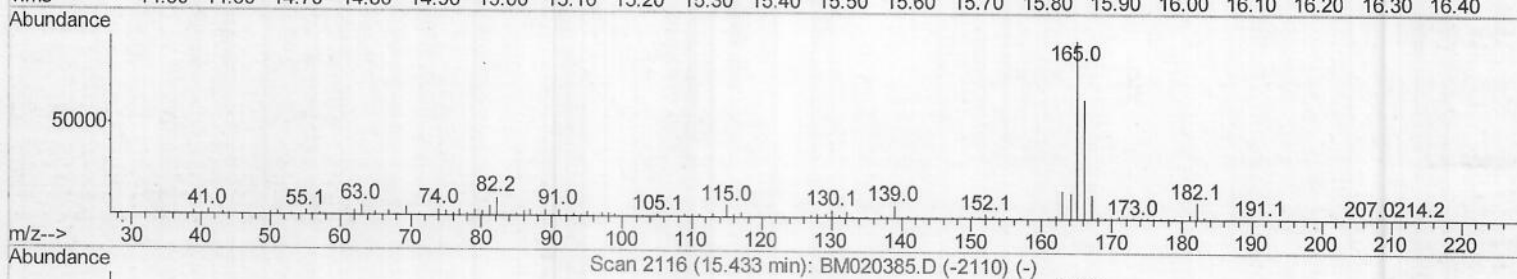
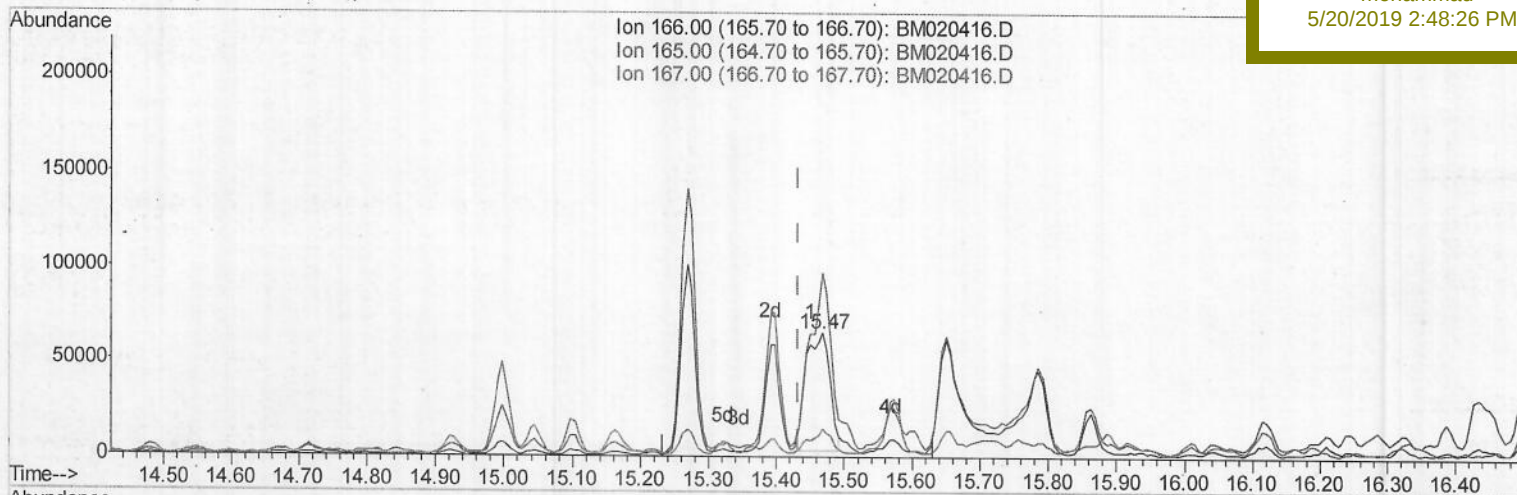
GAJA0

Manual Integrations

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mohammad

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(58) Fluorene

15.468min (+0.035) 8.78ng/ul m

response 150884

Ion	Exp%	Act%
166.00	100	100
165.00	96.40	149.09#
167.00	13.90	

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

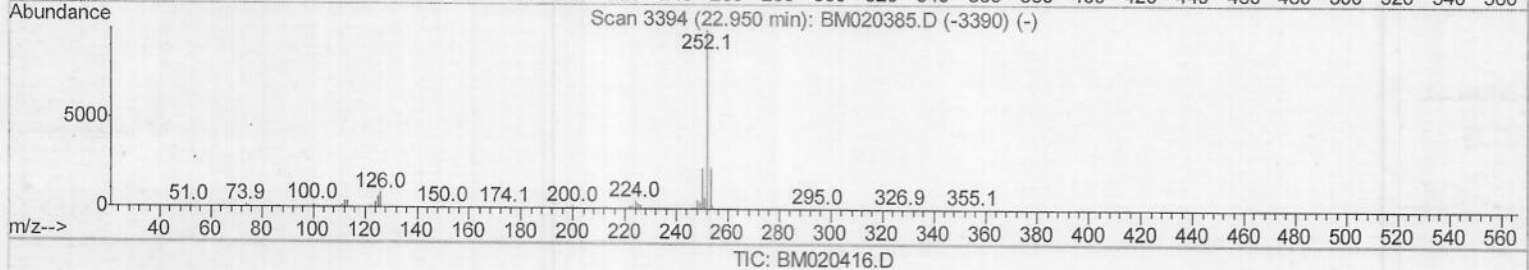
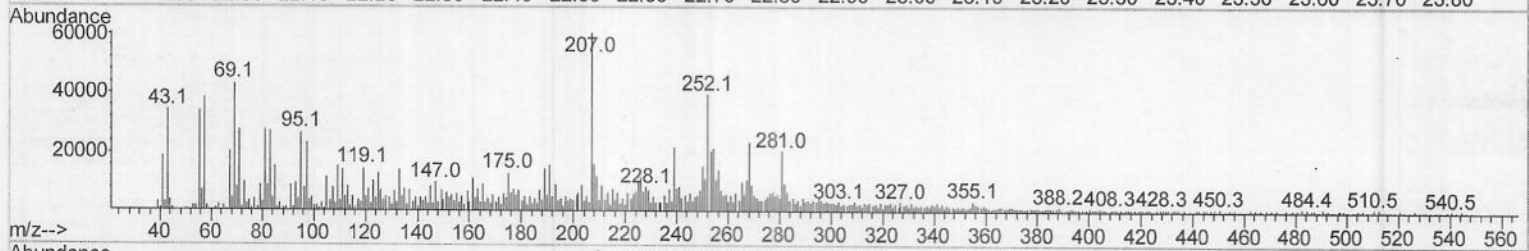
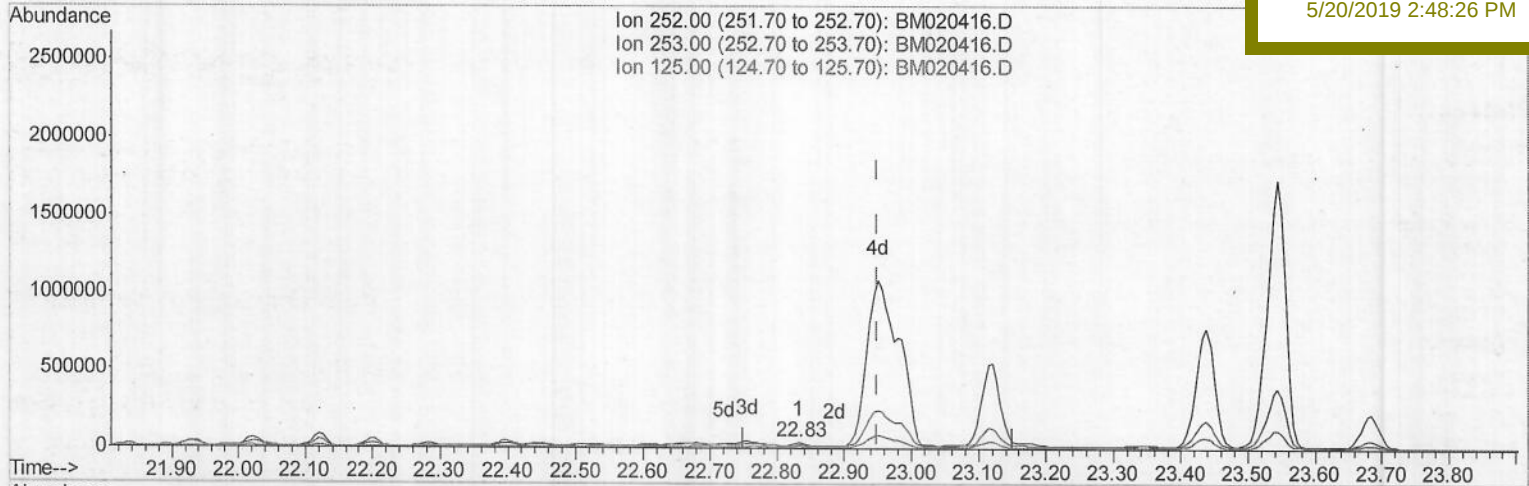
GAJA0

Manual Integrations

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mohammad

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(88) Benzo(k)fluoranthene

22.833min (-0.118) 1.03ng/ul

response 38971

Ion Exp% Act%

252.00 100 100

253.00 22.00 52.73#

125.00 6.30 32.51#

0.00 0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

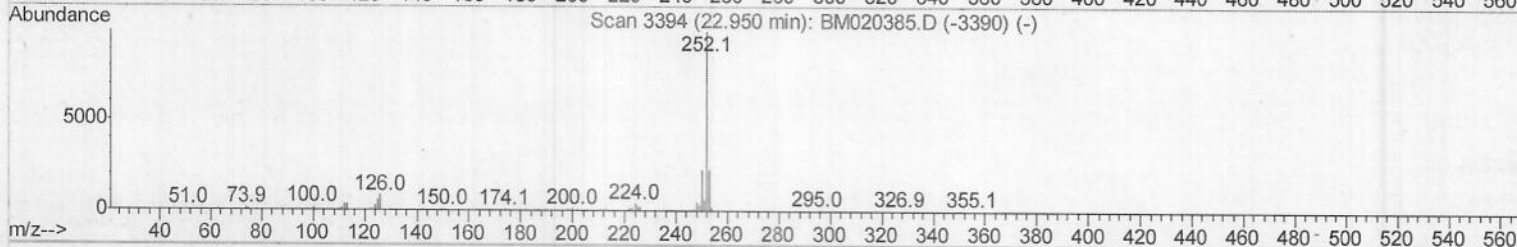
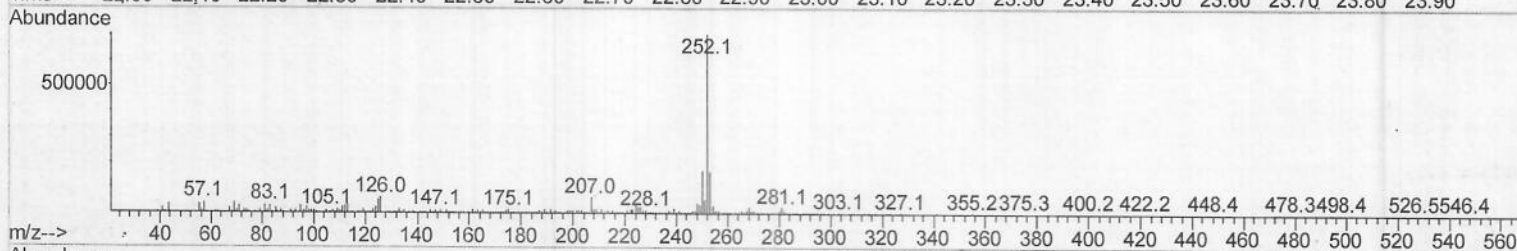
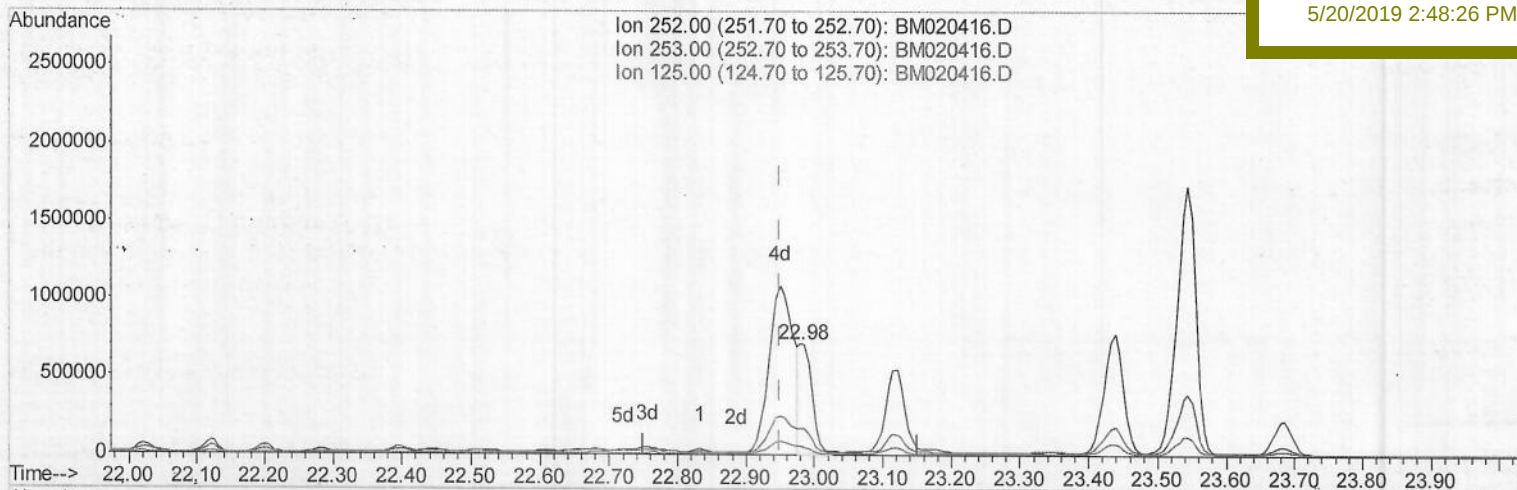
GAJA0

Manual Integrations

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TIC: BM020416.D

(88) Benzo(k)fluoranthene

22.980min (+0.029) 24.75ng/ul m) 5005/28/19

response 940604

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	23.55
125.00	6.30	7.56
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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

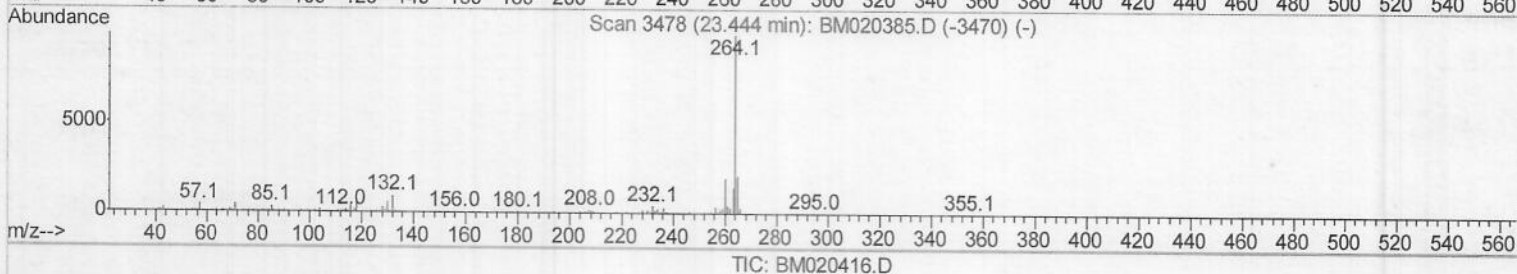
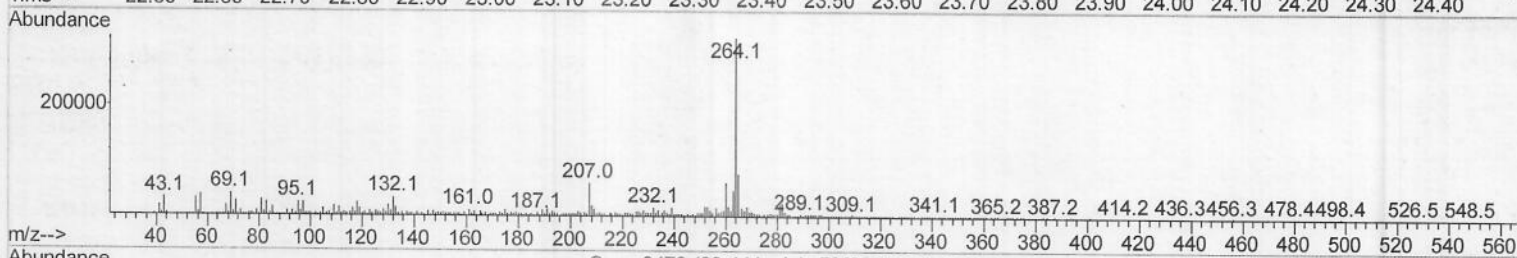
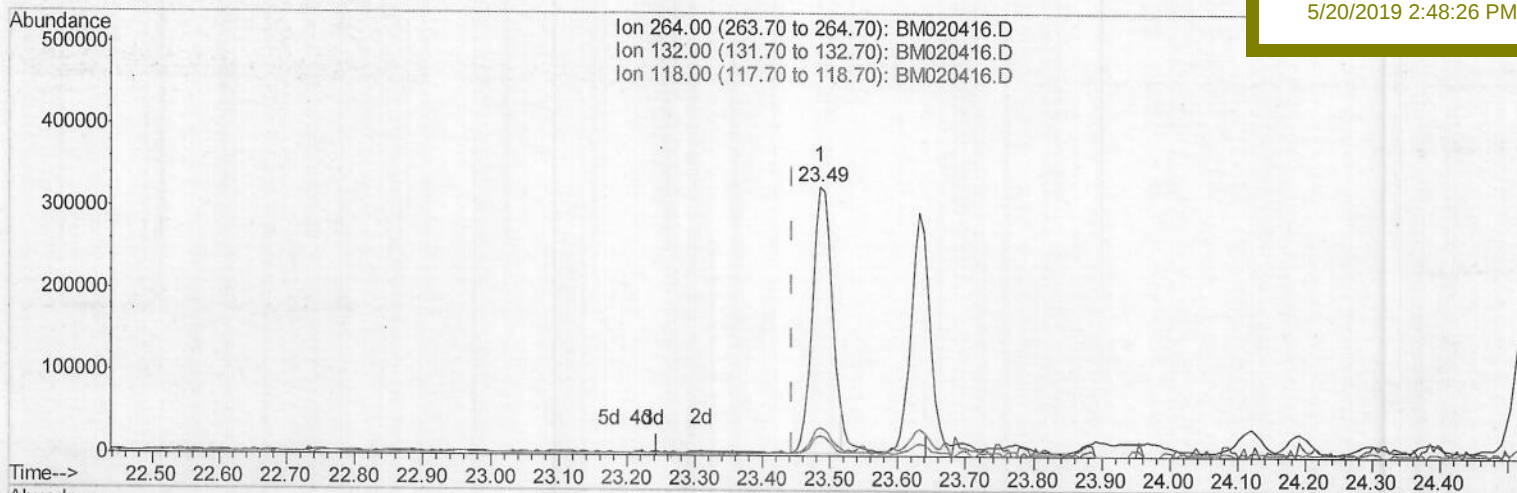
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJA0

Manual Integrations
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5/20/2019 2:48:26 PM

(89) Benzo(a)pyrene-d12 (S)

23.485min (+0.041) 21.08ng/ul

response 649174

Ion Exp% Act%

264.00 100 100

132.00 10.00 10.44

118.00 6.70 7.38

0.00 0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

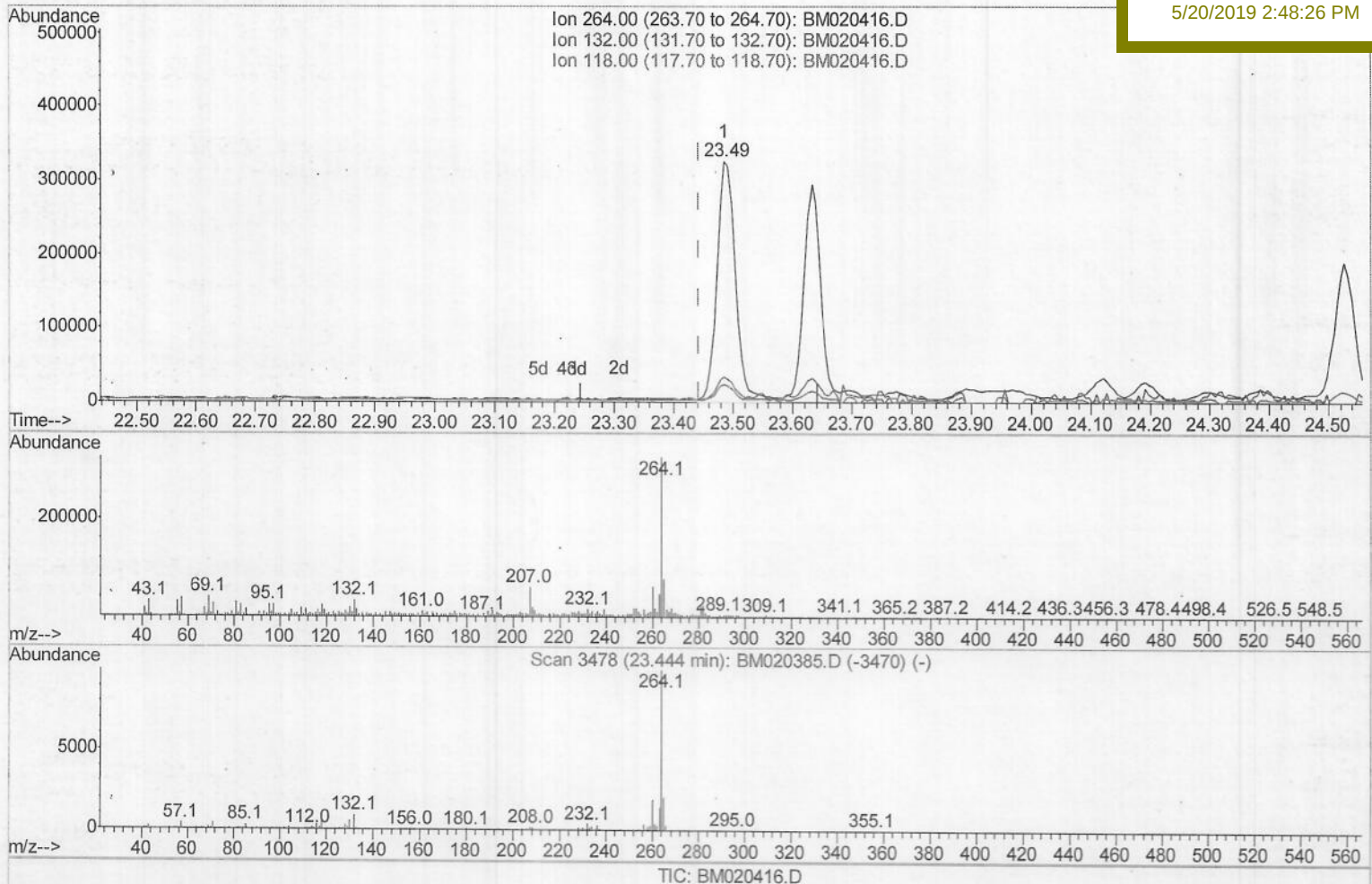
GAJA0

Manual Integrations

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mohammad

5/20/2019 2:48:26 PM



(89) Benzo(a)pyrene-d12 (S)

23.485min (+0.041) 22.73ng/ul m) JU05/21/19

response 700262

Ion	Exp%	Act%
264.00	100	100
132.00	10.00	10.44
118.00	6.70	7.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

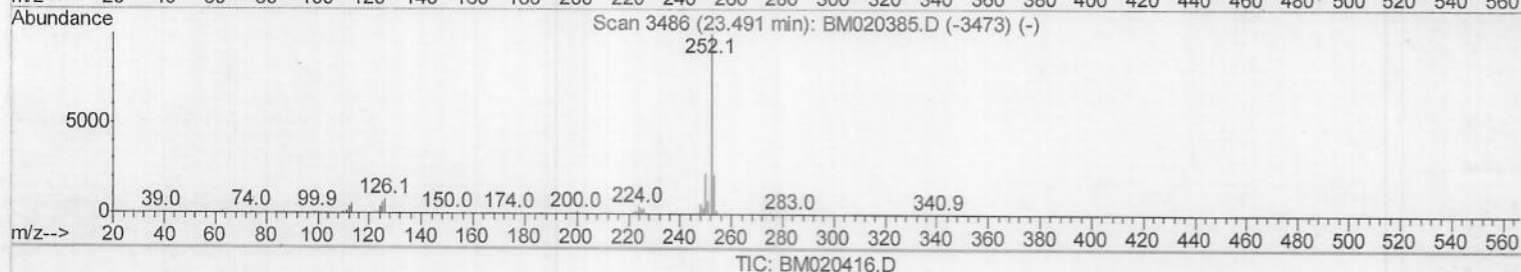
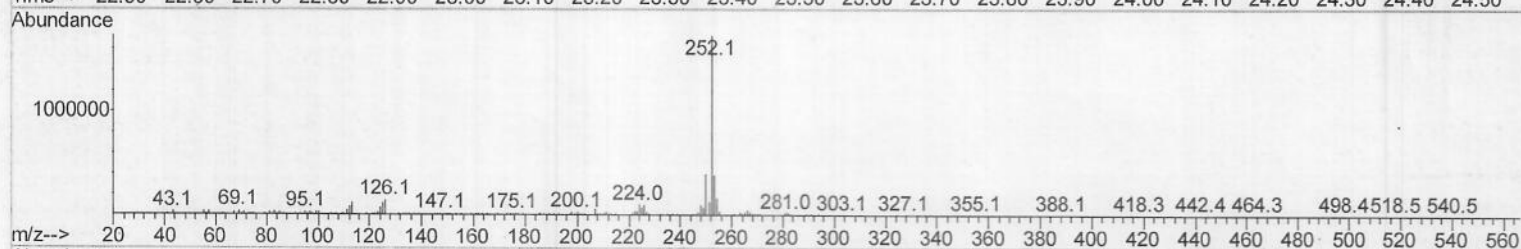
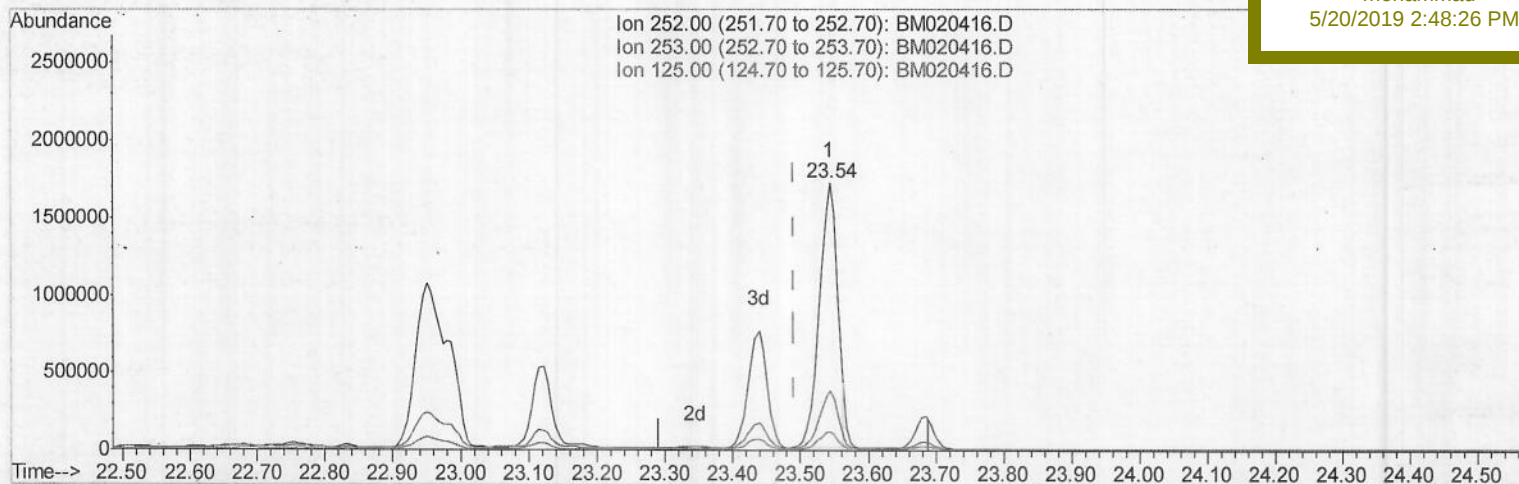
GAJA0

Manual Integrations

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5/20/2019 2:48:26 PM



(90) Benzo(a)pyrene (C)

23.544min (+0.053) 86.63ng/ul

response 3153953

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.42
125.00	6.80	6.84
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

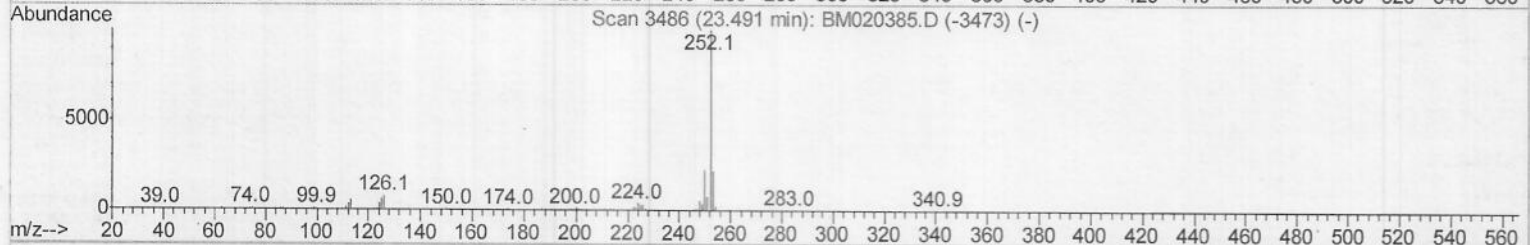
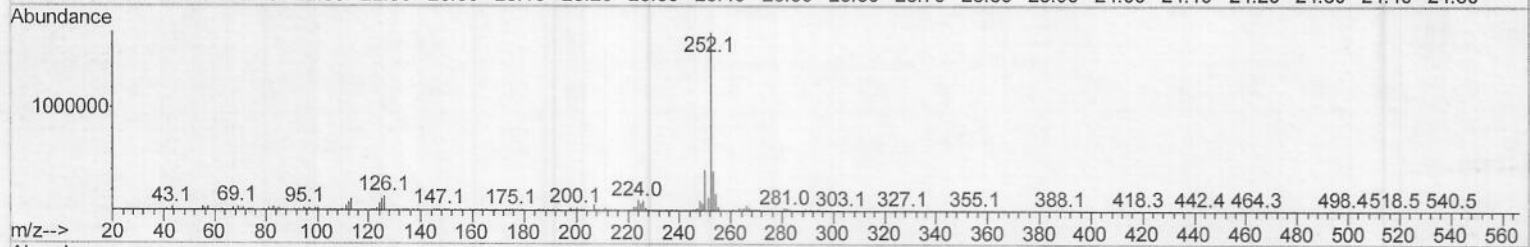
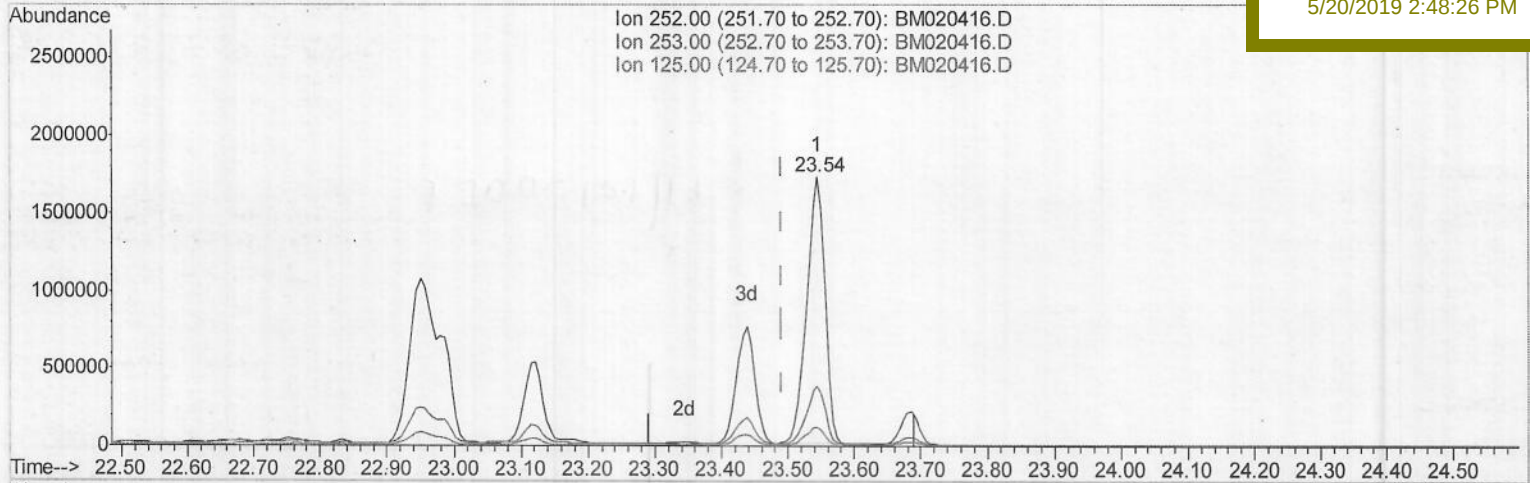
GAJA0

Manual Integrations

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5/20/2019 2:48:26 PM



TIC: BM020416.D

(90) Benzo(a)pyrene (C)

23.544min (+0.053) 89.17ng/ul m) J005121119

response 3246434

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.42
125.00	6.80	6.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

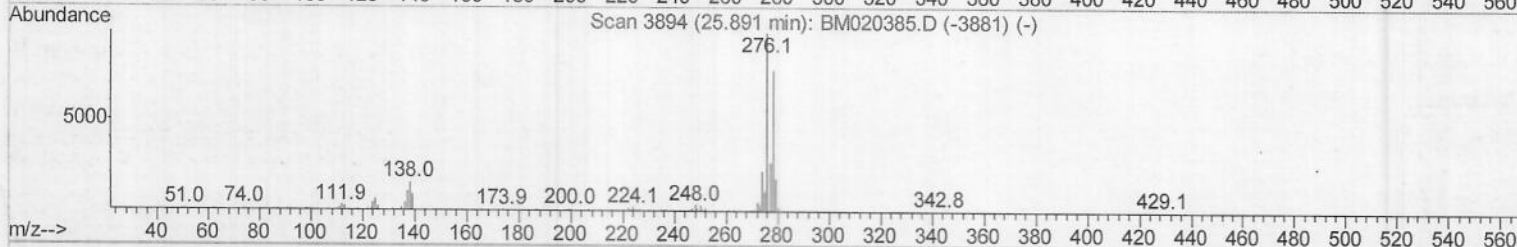
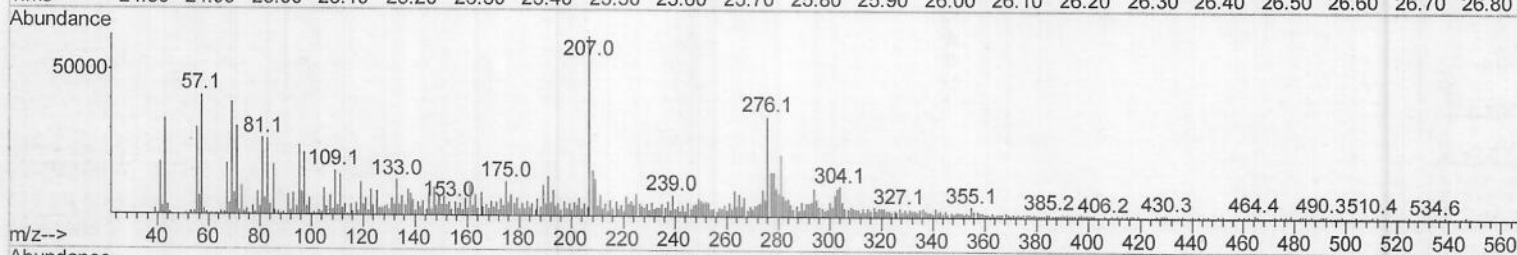
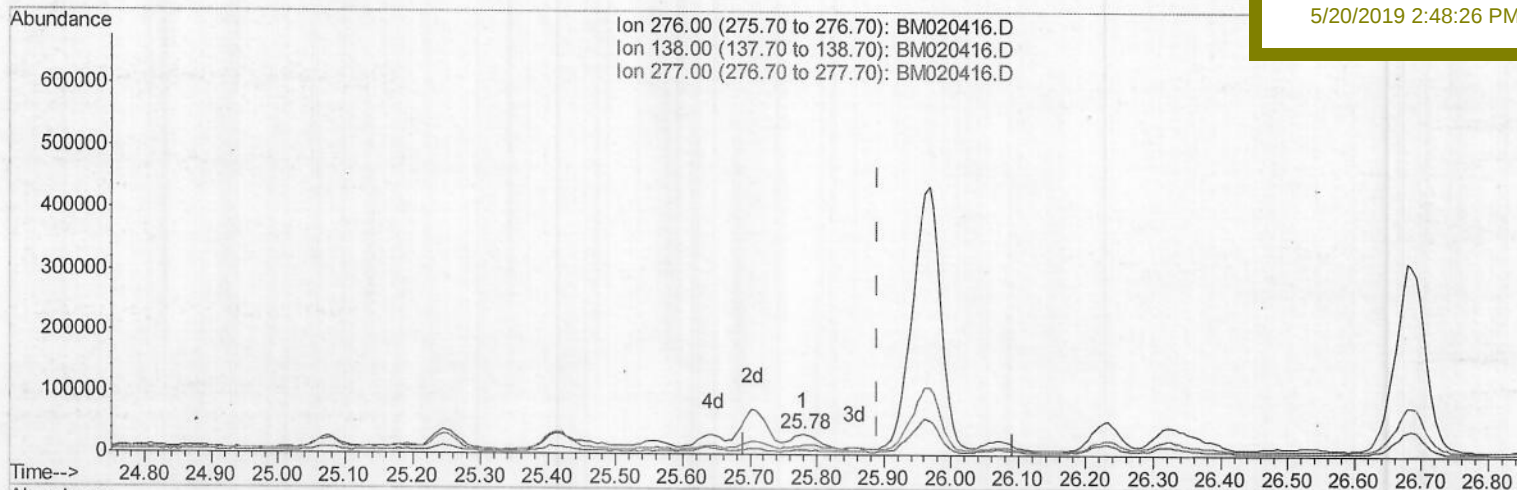
GAJA0

Manual Integrations

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5/20/2019 2:48:26 PM



TIC: BM020416.D

(91) Indeno(1,2,3-cd)pyrene

25.779min (-0.112) 1.53ng/ul

response 63536

Ion Exp% Act%

276.00 100 100

138.00 15.40 23.41#

277.00 25.00 44.24#

0.00 0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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

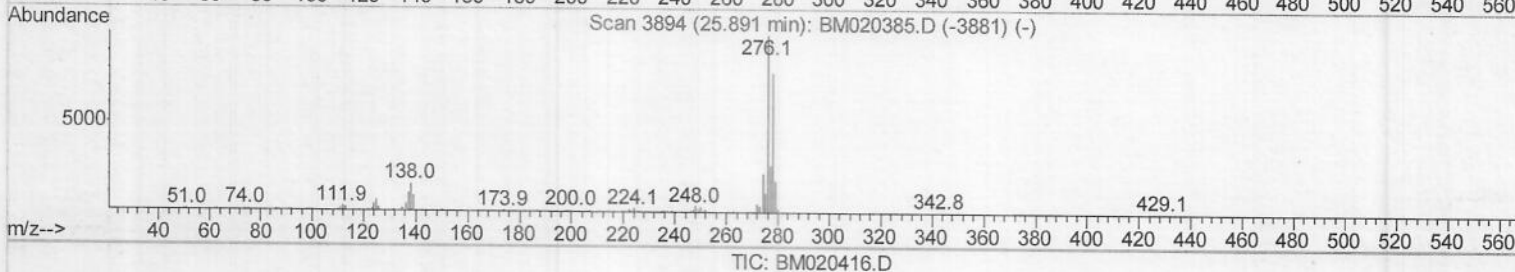
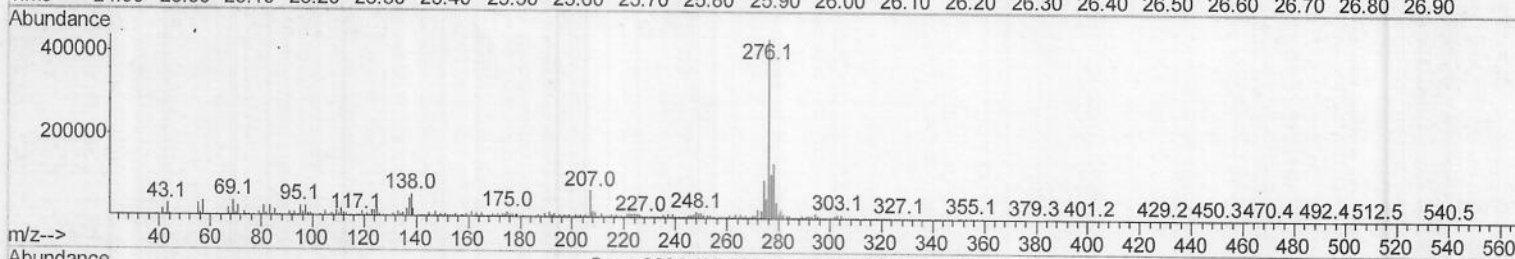
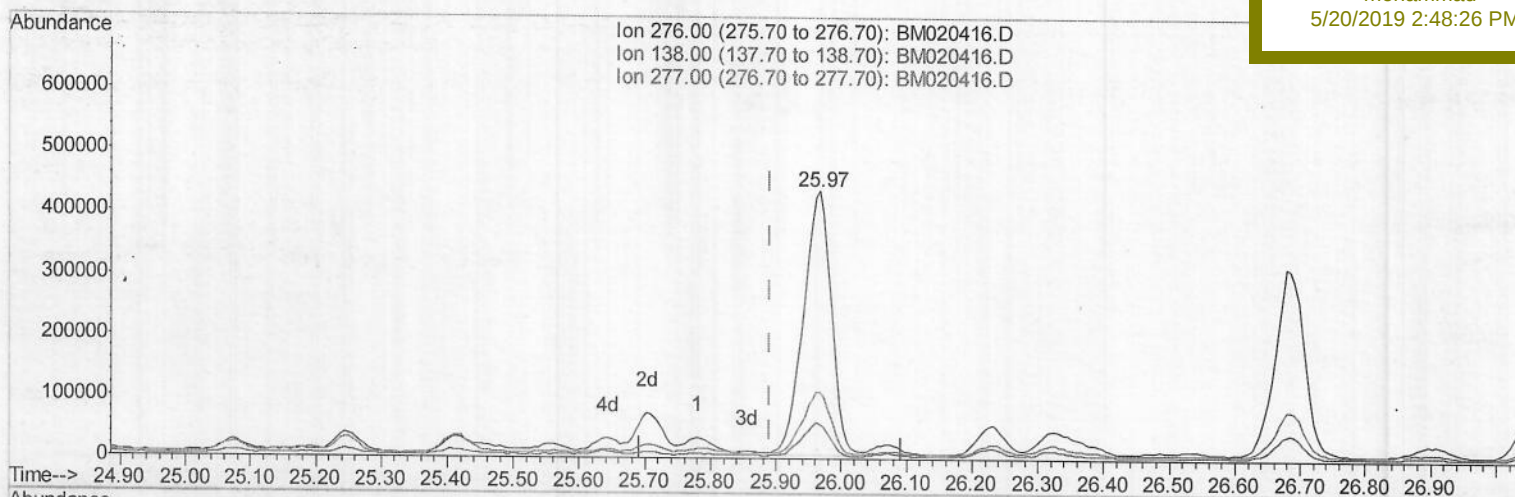
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJA0

Manual Integrations
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5/20/2019 2:48:26 PM

(91) Indeno(1,2,3-cd)pyrene

25.968min (+0.076) 30.72ng/ul m)JU05/21/19

response 1274502

Ion	Exp%	Act%
276.00	100	100
138.00	15.40	12.74
277.00	25.00	24.92
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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

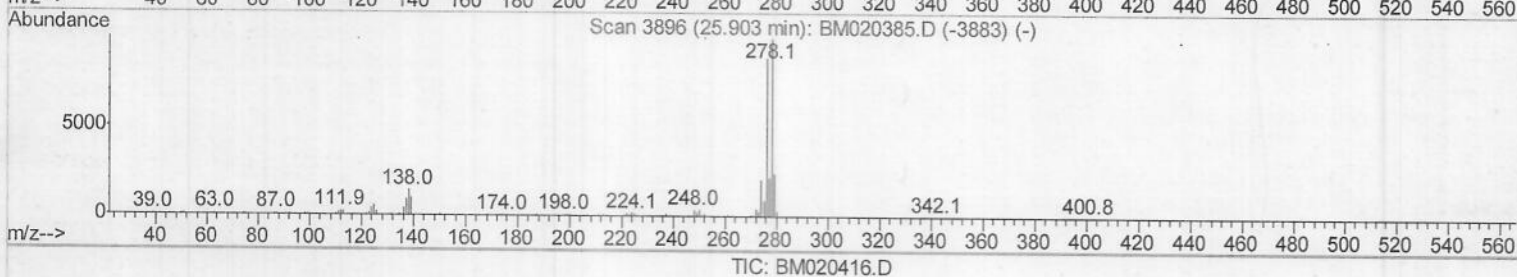
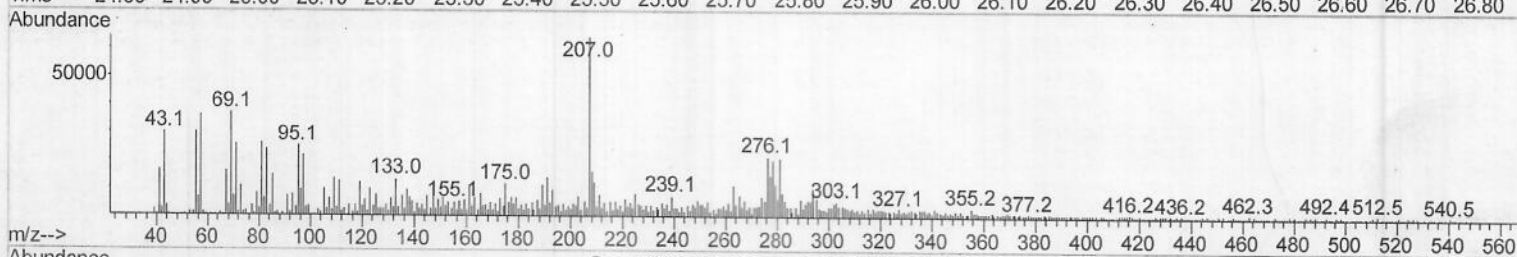
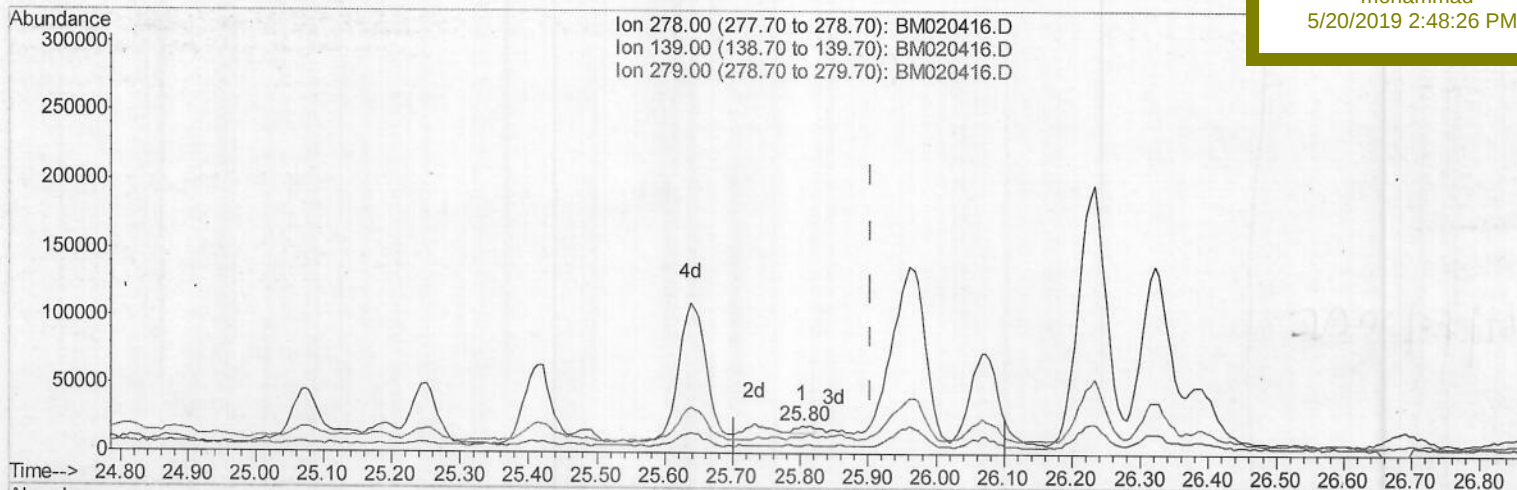
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJA0

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:26 PM

(92) Dibenzo(a,h)anthracene

25.803min (-0.100) 0.27ng/ul

response 9520

Ion	Exp%	Act%
278.00	100	100
139.00	10.10	27.52#
279.00	23.40	59.36#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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 :

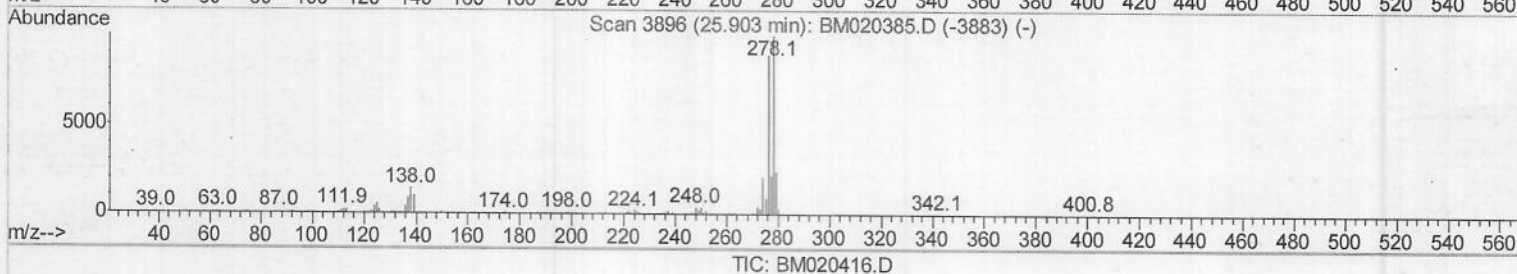
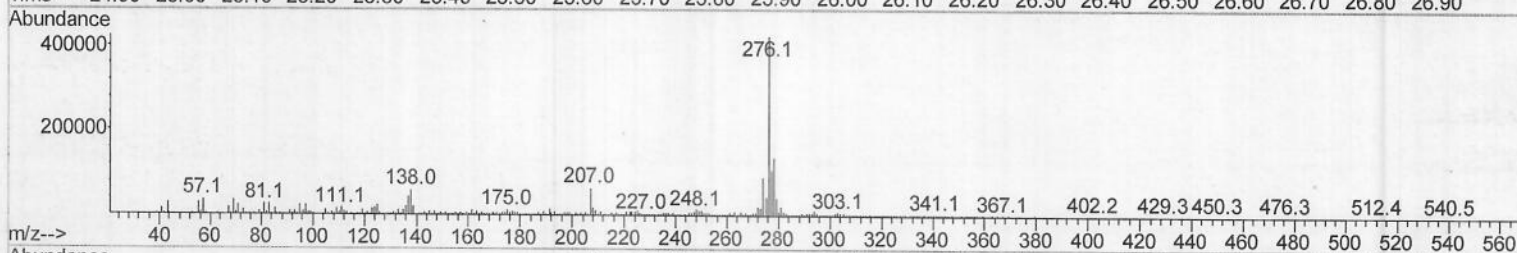
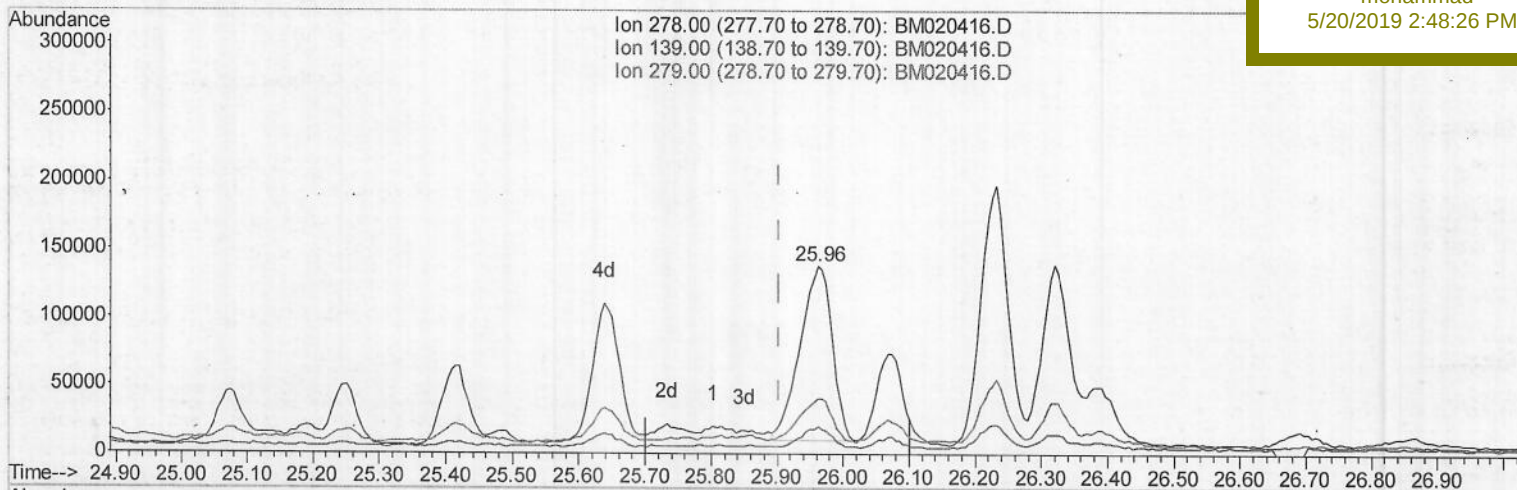
GAJA0

Manual Integrations

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mohammad

5/20/2019 2:48:26 PM



(92) Dibenzo(a,h)anthracene

25.962min (+0.059) 12.27ng/ul m)JU 05/21/19

response 435158

Ion	Exp%	Act%
278.00	100	100
139.00	10.10	14.23#
279.00	23.40	29.04#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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

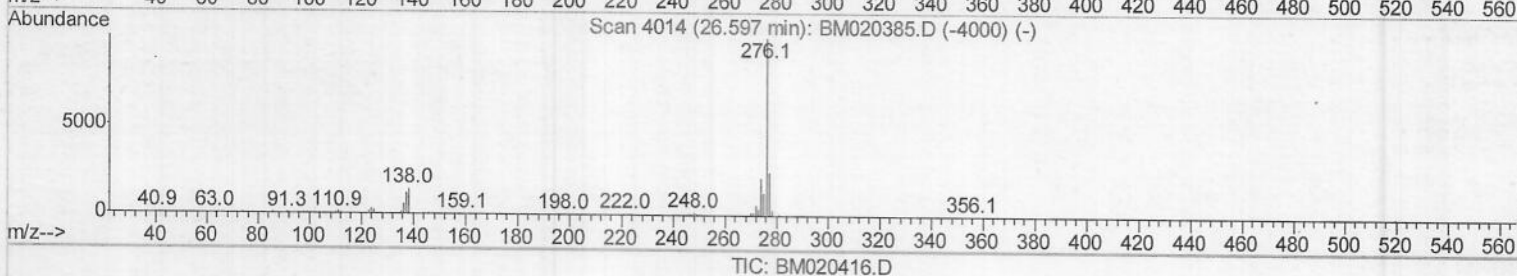
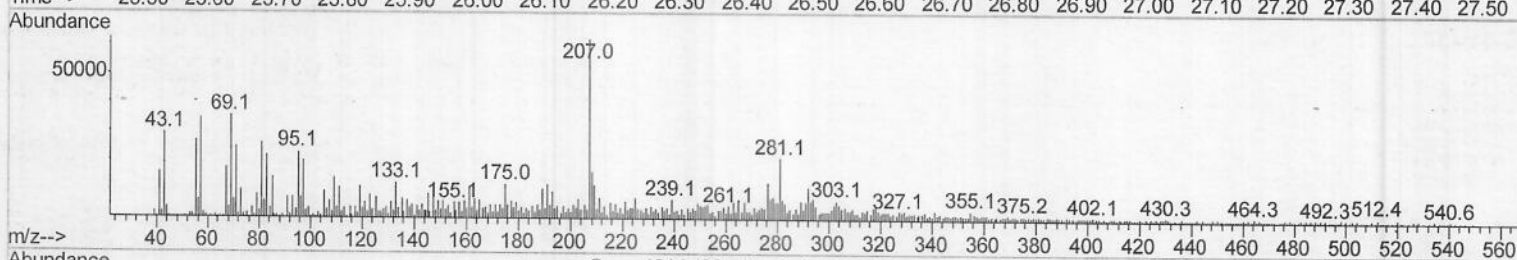
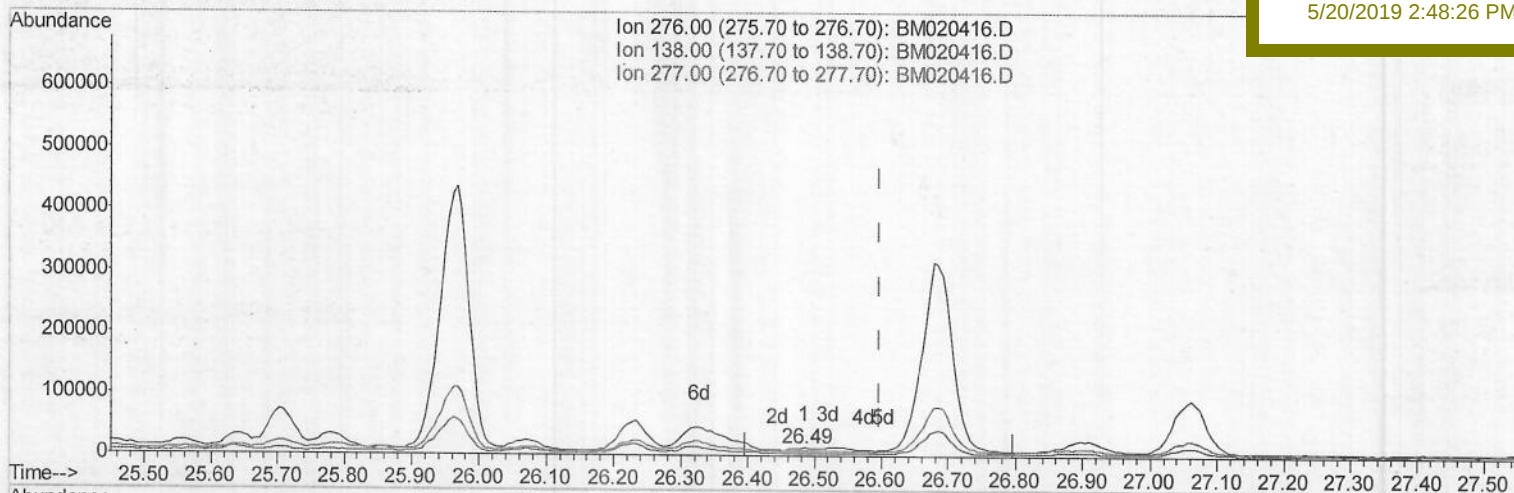
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJA0

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:26 PM

(93) Benzo(g,h,i)perylene

26.485min (-0.112) 0.22ng/ul

response 7641

Ion	Exp%	Act%
276.00	100	100
138.00	12.50	32.07#
277.00	22.80	57.73#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051819\

Data File : BM020416.D

Acq On : 19 May 2019 01:41

Operator : JU/SJ

Sample : K2633-08

Misc :

ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 07:15:09 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

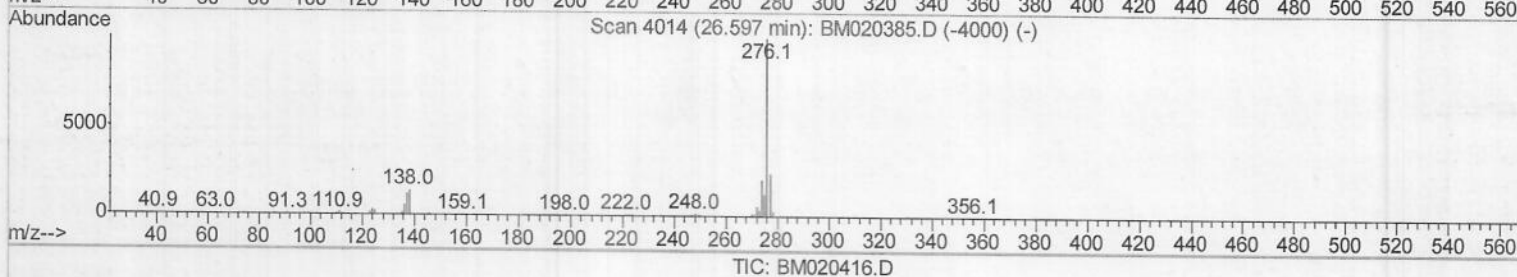
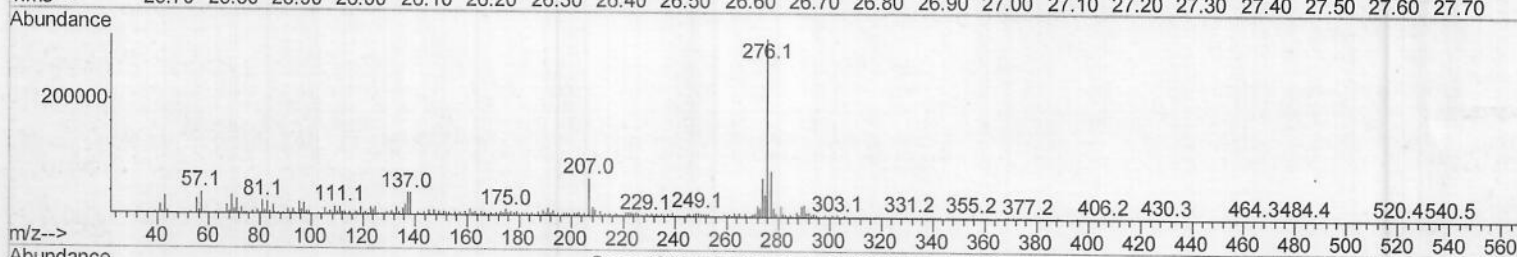
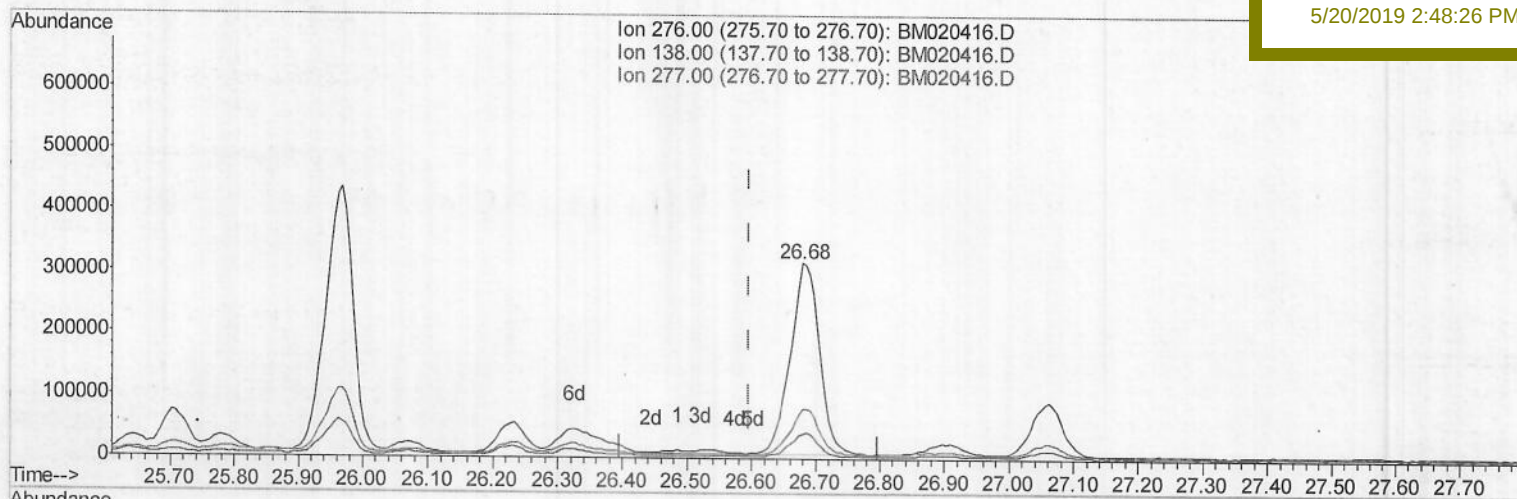
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

GAJA0

Manual Integrations
APPROVEDmohammad
5/20/2019 2:48:26 PM

(93) Benzo(g,h,i)perylene

26.679min (+0.082) 28.32ng/ul m 3500512119

response 972483

Ion	Exp%	Act%
276.00	100	100
138.00	12.50	12.39
277.00	22.80	25.10
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020416.D
 Acq On : 19 May 2019 01:41
 Operator : JU/SJ
 Sample : K2633-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample ID :
 GAJA0

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:48:26 PM

Quant Time: May 21 10:16:59 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	118724	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	451915	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.40	164	242720	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.15	188	466625	20.00	ng/ul	0.02
77) Chrysene-d12	21.34	240	451359	20.00	ng/ul	0.02
85) Perylene-d12	23.49	264	677830	20.00	ng/ul	-0.11

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	11794	3.67	ng/uL	0.00
5) Phenol-d5	6.91	99	227509	24.02	ng/ul	0.01
7) Bis-(2-Chloroethyl) ether-d	7.08	67	145493	24.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	176857	25.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	174510	25.30	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	82194	27.95	ng/ul	0.01
22) 2-Nitrophenol-d4	9.63	143	90499	27.91	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.16	165	179657	26.20	ng/ul	0.01
29) 4-Chloroaniline-d4	10.69	131	98657	13.93	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	507953	29.09	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	607252	27.80	ng/ul	0.02
51) 4-Nitrophenol-d4	14.62	143	41733	16.46	ng/ul	0.02
57) Fluorene-d10	15.39	176	402116	25.89	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.54	200	25240	9.50	ng/ul	0.03
70) Anthracene-d10	17.25	188	557089	27.83	ng/ul	0.02
78) Pyrene-d10	19.56	212	588601	27.07	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.49	264	700262m	22.73	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	6.93	94	16907	1.697	ng/ul 90
34) 2-Methylnaphthalene	12.20	142	138745	9.229	ng/ul 97
44) Dimethylphthalate	13.85	163	129377	7.489	ng/ul 99
47) Acenaphthylene	14.12	152	1463613	71.054	ng/ul 100
49) Acenaphthene	14.46	153	37717	2.663	ng/ul 95
58) Fluorene	15.47	166	150884m	8.783	ng/ul
69) Phenanthrene	17.19	178	356967	16.055	ng/ul 97
71) Anthracene	17.29	178	644233	28.485	ng/ul 100
76) Fluoranthene	19.22	202	2284750	81.350	ng/ul 99
79) Pyrene	19.59	202	6245646	230.539	ng/ul 96
82) Benzo(a)anthracene	21.33	228	2369440	87.220	ng/ul# 78
84) Chrysene	21.39	228	2219759	85.502	ng/ul 92
87) Benzo(b)fluoranthene	22.95	252	2652225m	68.558	ng/ul
88) Benzo(k)fluoranthene	22.98	252	940604m	24.754	ng/ul
90) Benzo(a)pyrene	23.54	252	3246434m	89.172	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.97	276	1274502m	30.723	ng/ul
92) Dibenzo(a,h)anthracene	25.96	278	435158m	12.267	ng/ul
93) Benzo(a,h,i)perylene	26.68	276	972483m	28.320	ng/ul

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