

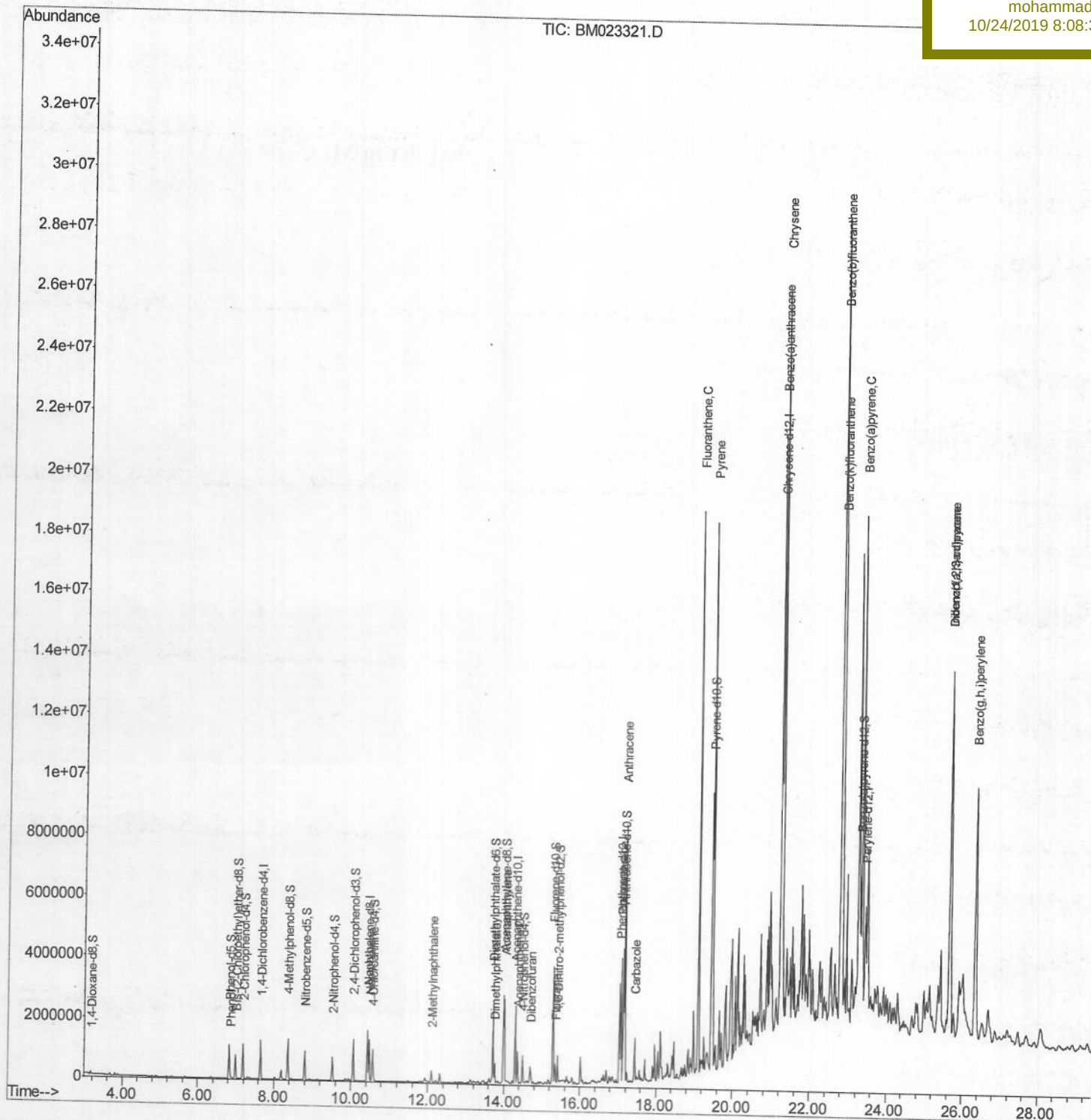
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023321.D
Acq On : 22 Oct 2019 16:34
Operator : JU
Sample : K5345-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:32:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration

Instrument :
BNA_M
Client Sample ID :
ETOJ6

Manual Integrations
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mohammad
10/24/2019 8:08:32 AM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:26:30 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

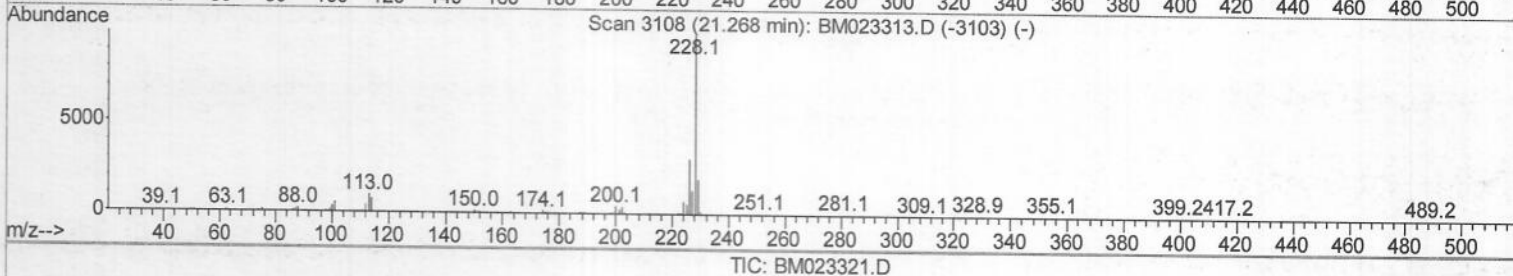
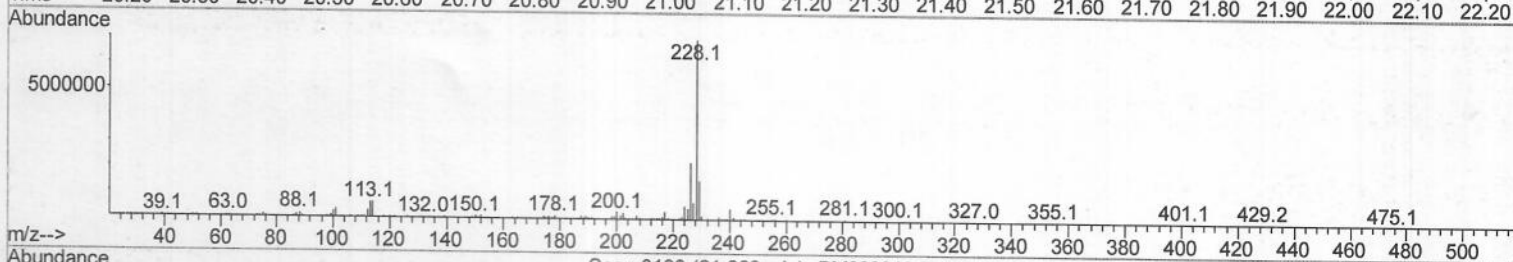
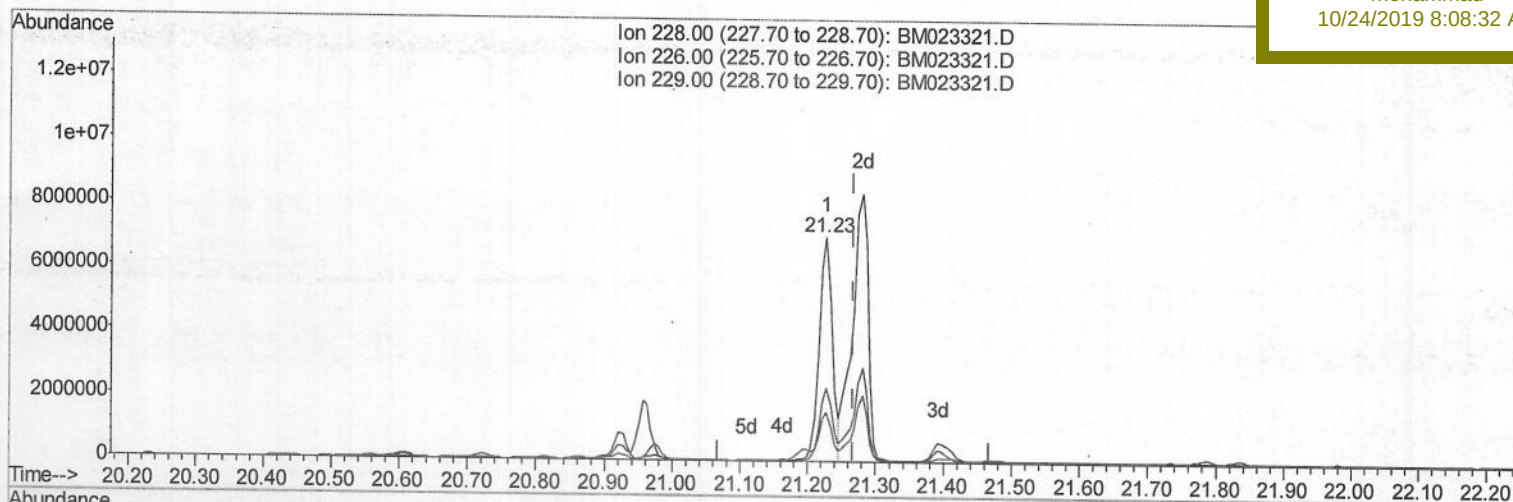
ETOJ6

Manual Integrations

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mohammad

10/24/2019 8:08:32 AM



(85) Chrysene

21.227min (-0.041) 74.77ng/ul

response 9394715

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	32.54
229.00	19.40	21.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 25 09:06:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Oct 23 04:28:20 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

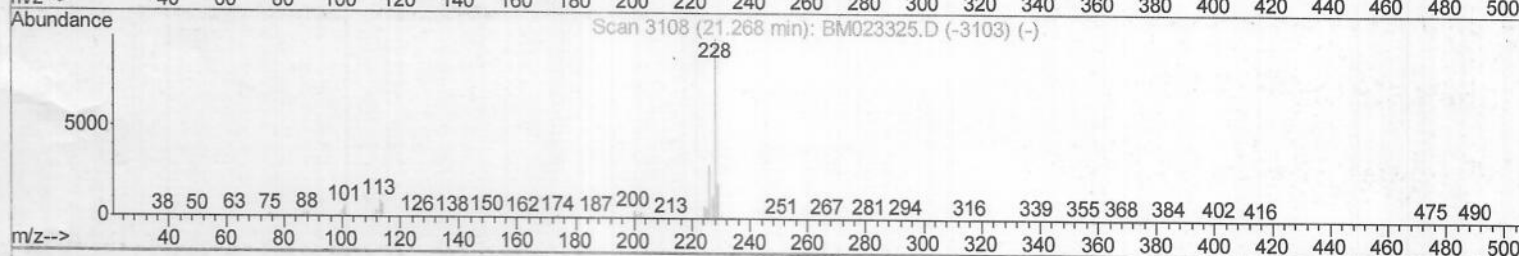
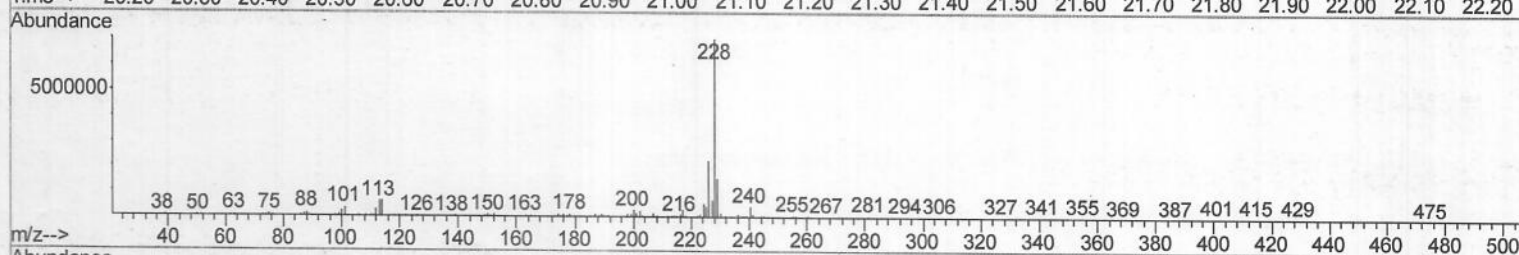
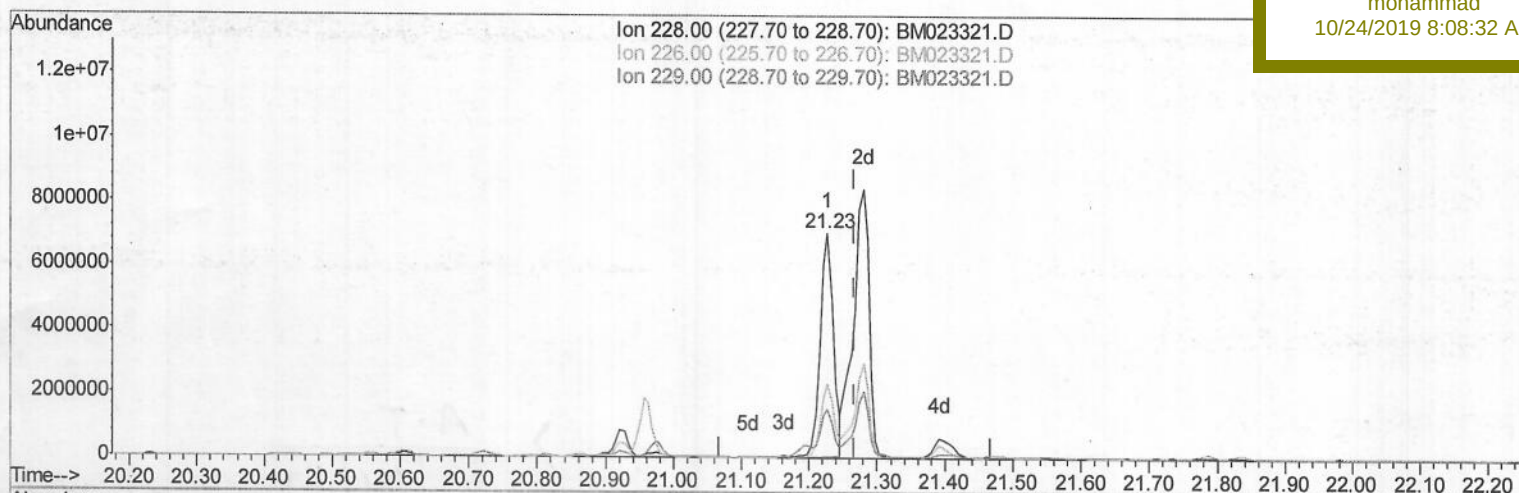
ETOJ6

Manual Integrations

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10/24/2019 8:08:32 AM



TIC: BM023321.D

(85) Chrysene

21.227min (-0.041) 74.78ng/ul

response 9396714

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	32.54
229.00	19.40	21.69
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:26:30 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

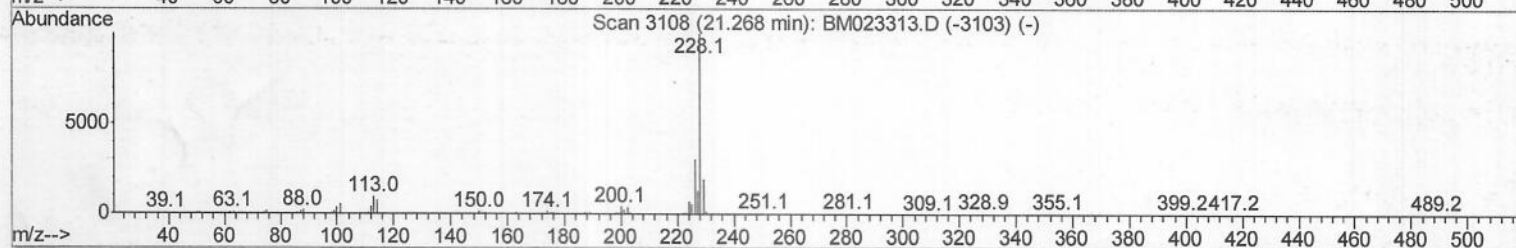
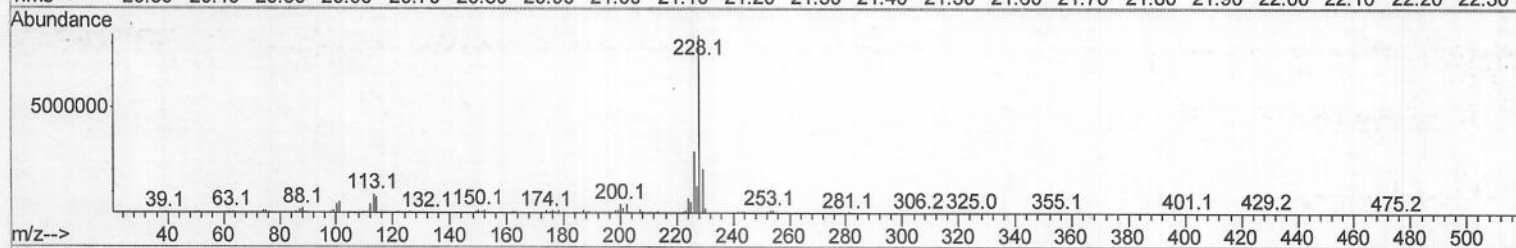
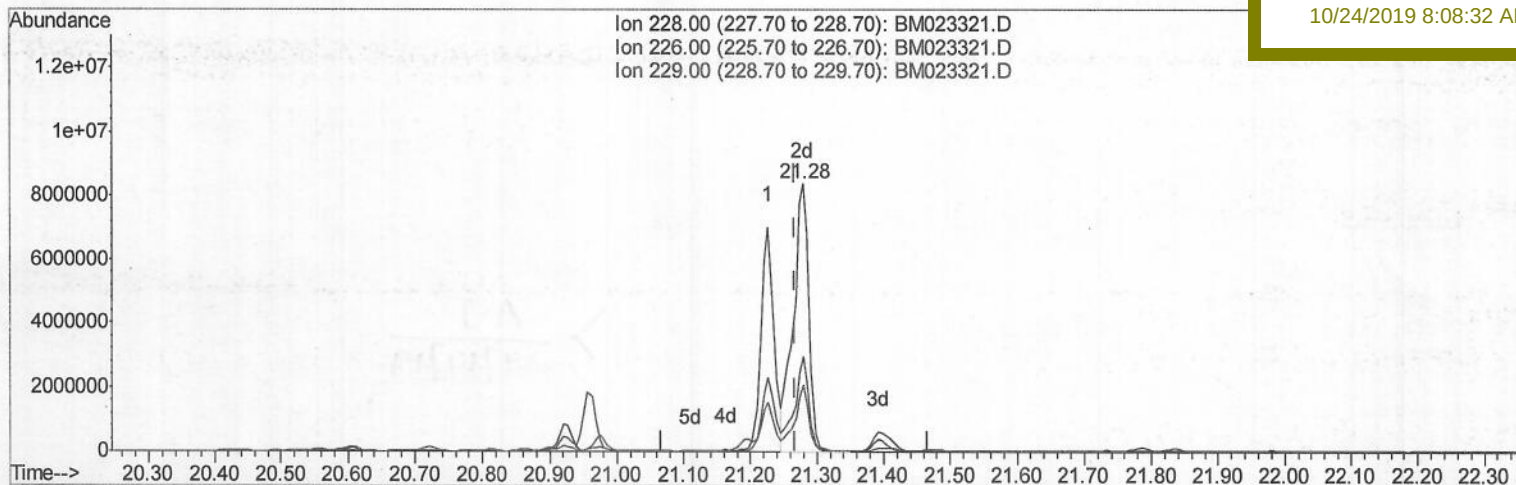
ETOJ6

Manual Integrations

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mohammad

10/24/2019 8:08:32 AM



TIC: BM023321.D

(85) Chrysene

21.280min (+0.012) 109.93ng/ul m > JU 10/25/19

response 13813494

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	35.04
229.00	19.40	24.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:26:30 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

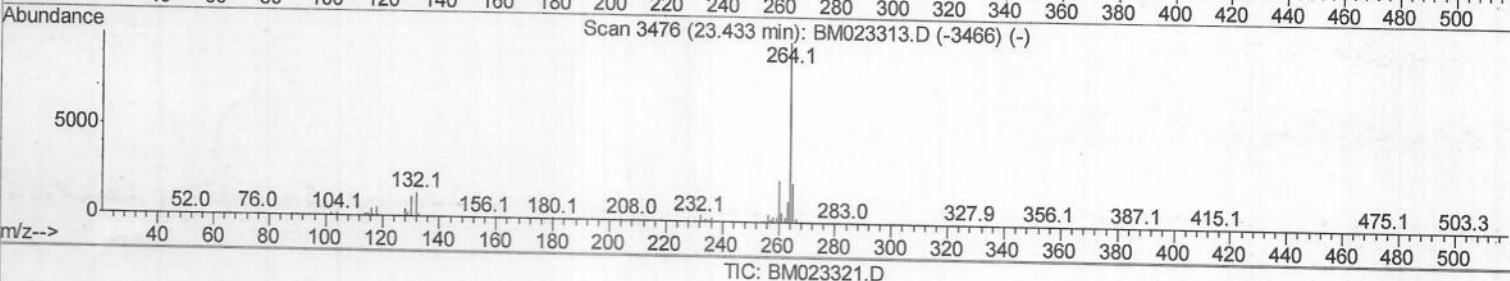
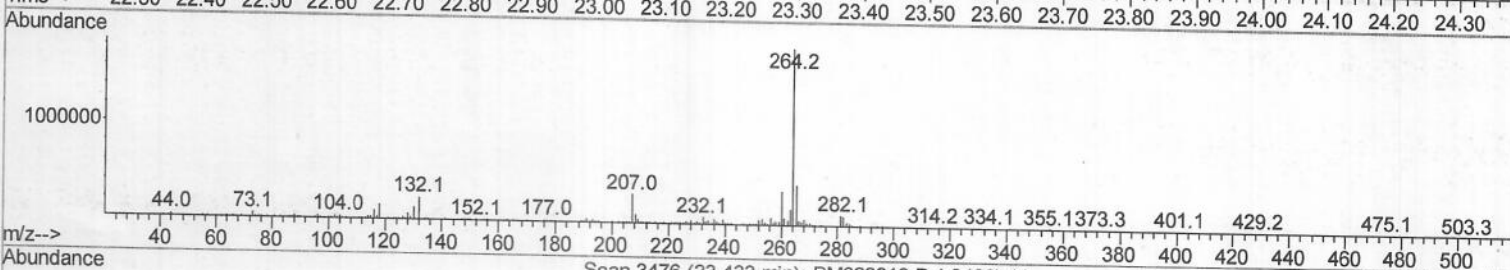
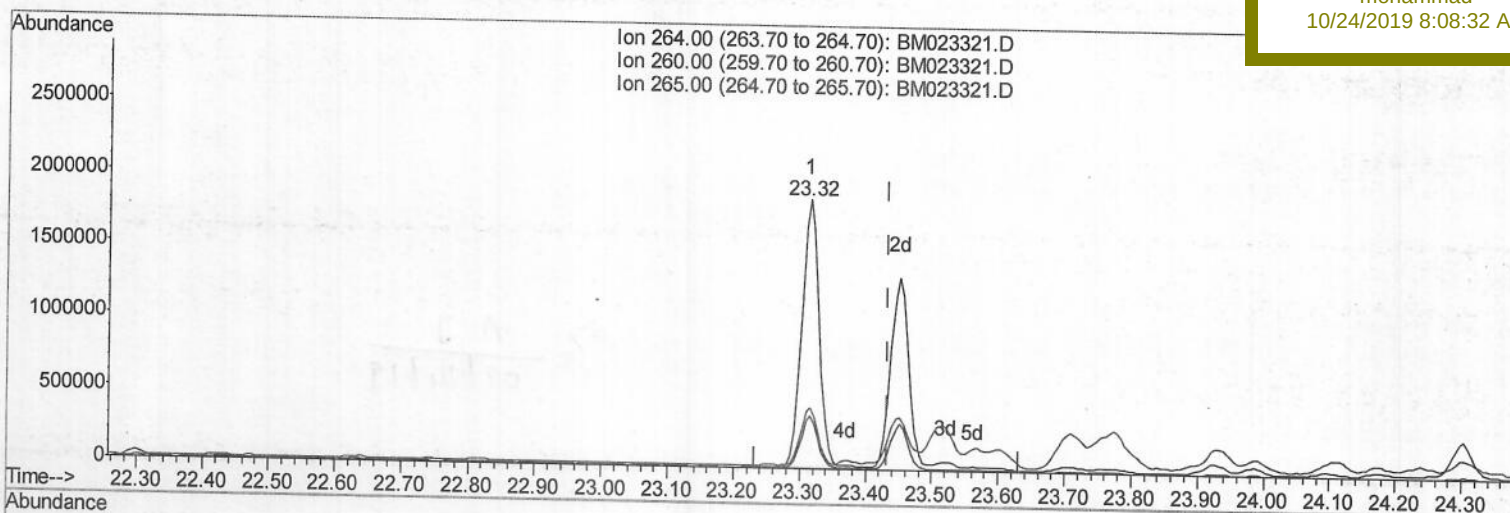
ETOJ6

Manual Integrations

APPROVED

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(86) Perylene-d12 (I)

23.315min (-0.117) 20.00ng/ul

response 3339787

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	19.09
265.00	21.60	22.44
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:26:30 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

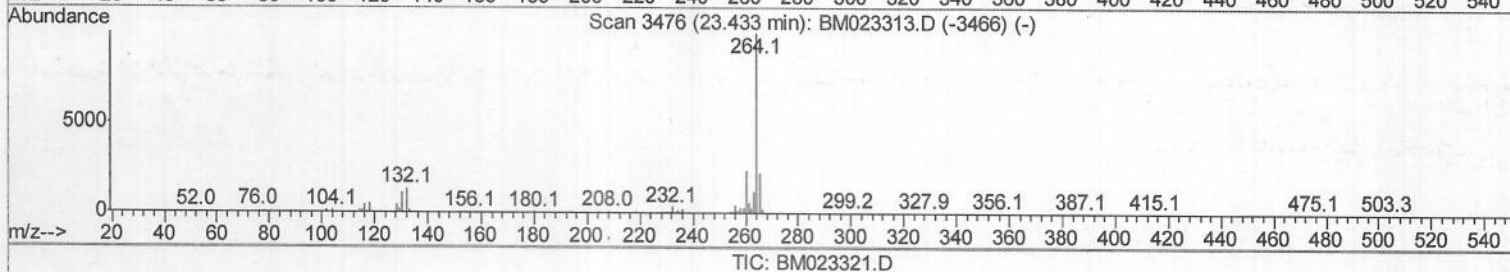
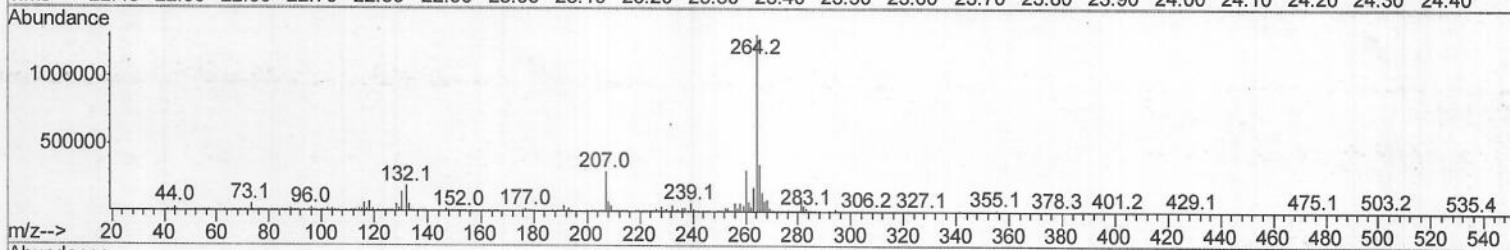
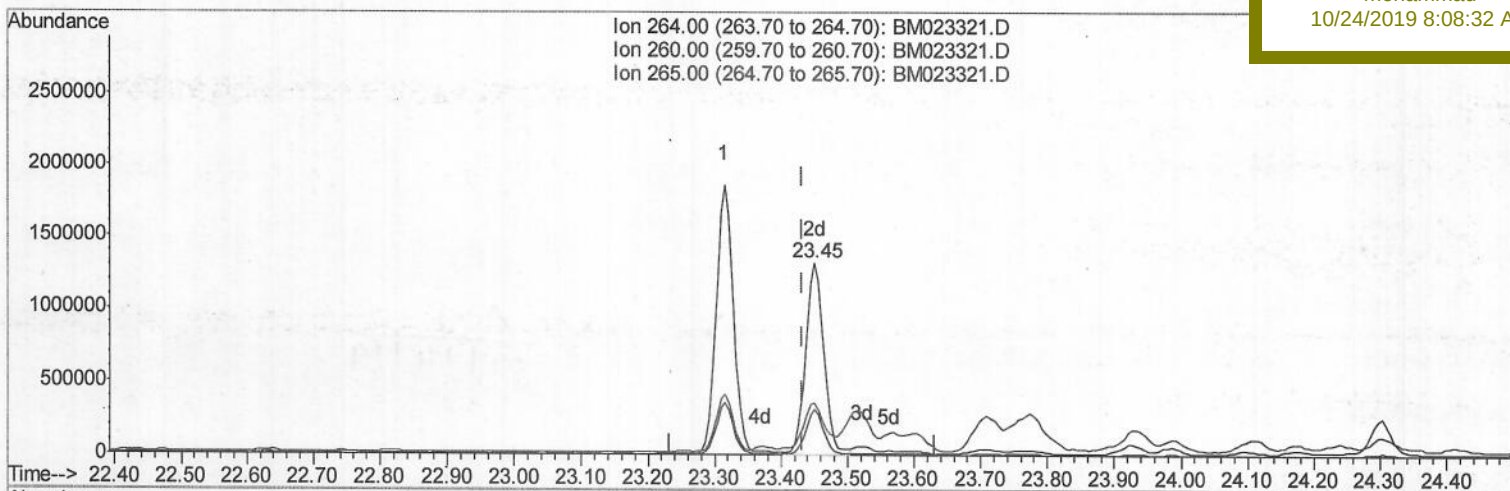
ETOJ6

Manual Integrations

APPROVED

mohammad

10/24/2019 8:08:32 AM



(86) Perylene-d12 (I)

23.451min (+0.018) 20.00ng/ul m

JU 10/25/19

response 2559204

Ion	Exp%	Act%
264.00	100	100
260.00	23.20	23.47
265.00	21.60	26.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

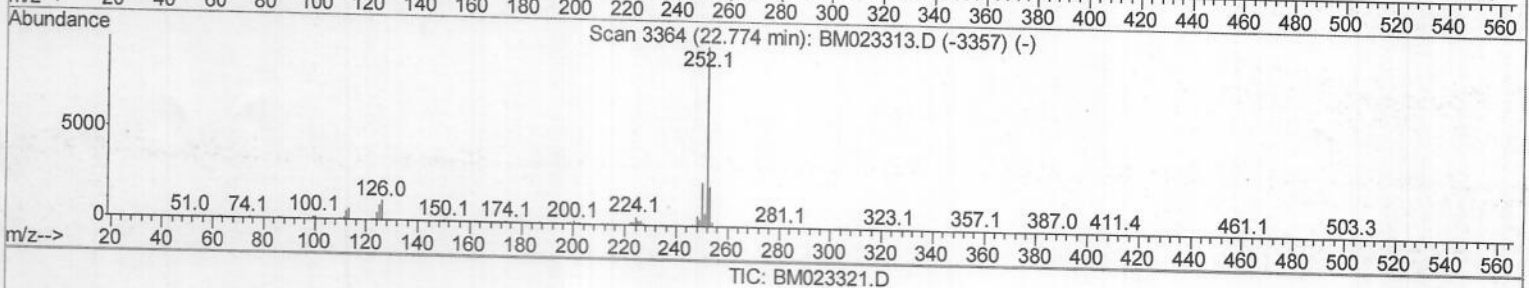
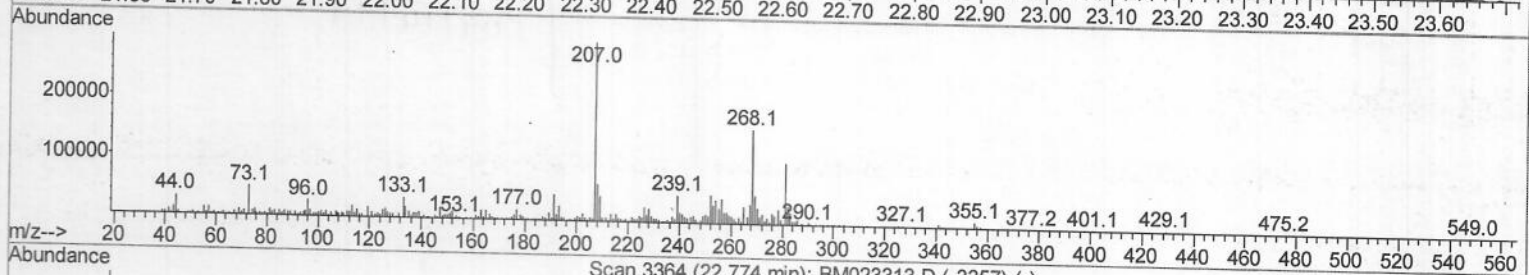
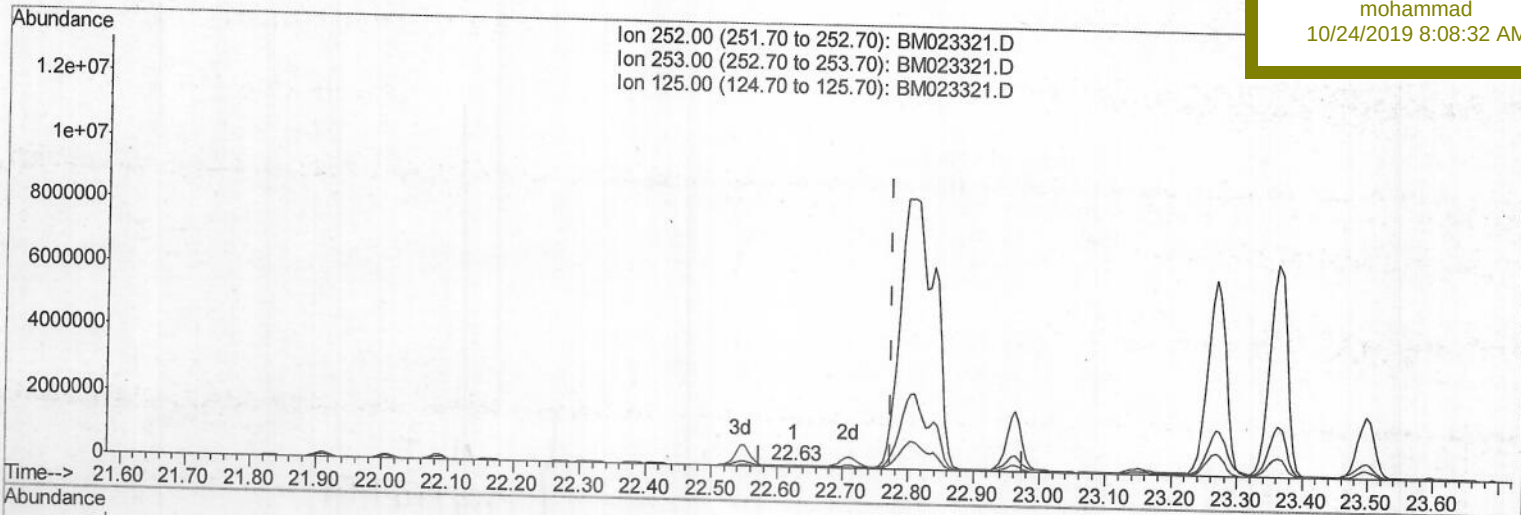
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023321.D
 Acq On : 22 Oct 2019 16:34
 Operator : JU
 Sample : K5345-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 11:39:35 2019
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 ETOJ6

Manual Integrations
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(88) Benzo(b)fluoranthene
 22.627min (-0.147) 0.41ng/ul
 response 64312

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	64.67#
125.00	8.70	25.19#
0.00	0.00	0.00

TIC: BM023321.D

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

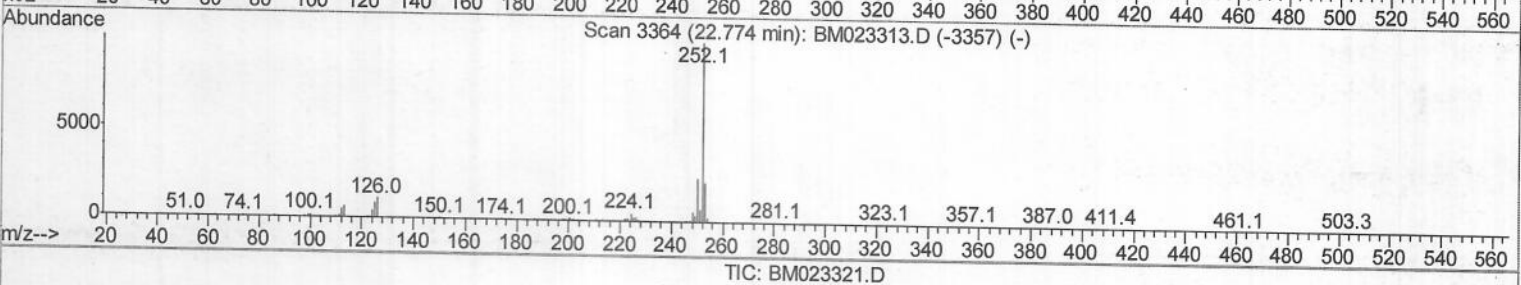
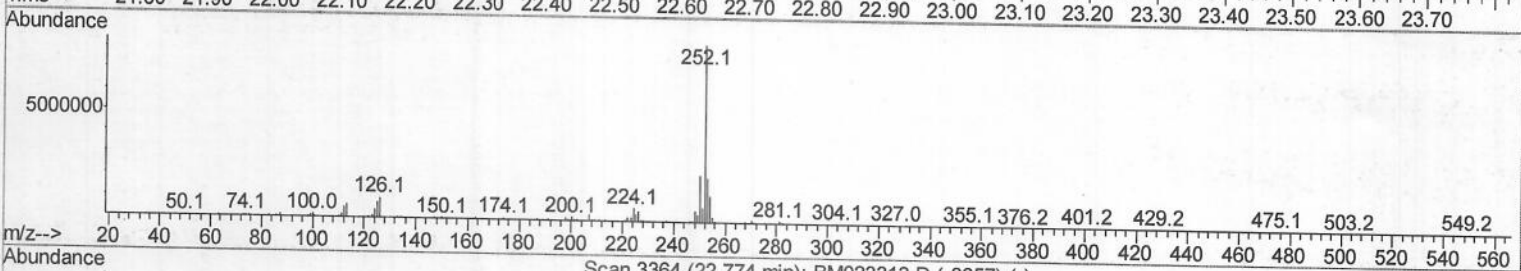
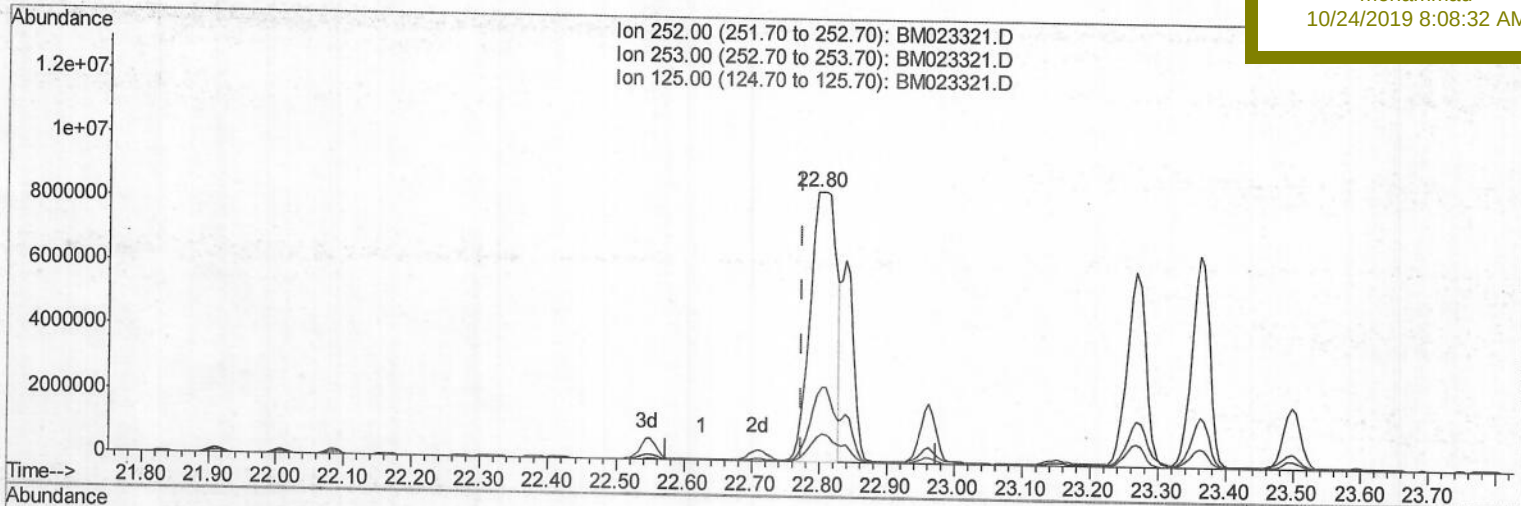
ETOJ6

Manual Integrations

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10/24/2019 8:08:32 AM



(88) Benzo(b)fluoranthene

22.798min (+0.024) 143.99ng/ul m

JU 10/25/19

response 22341855

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	25.00
125.00	8.70	9.01
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

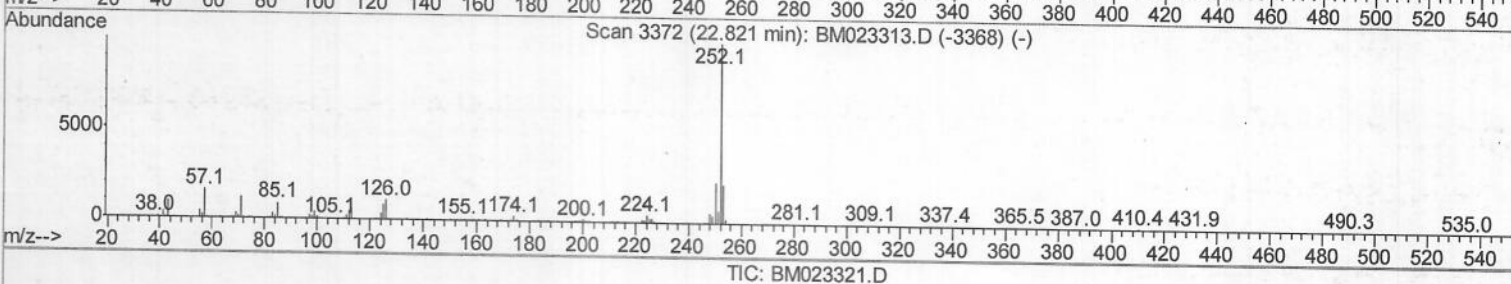
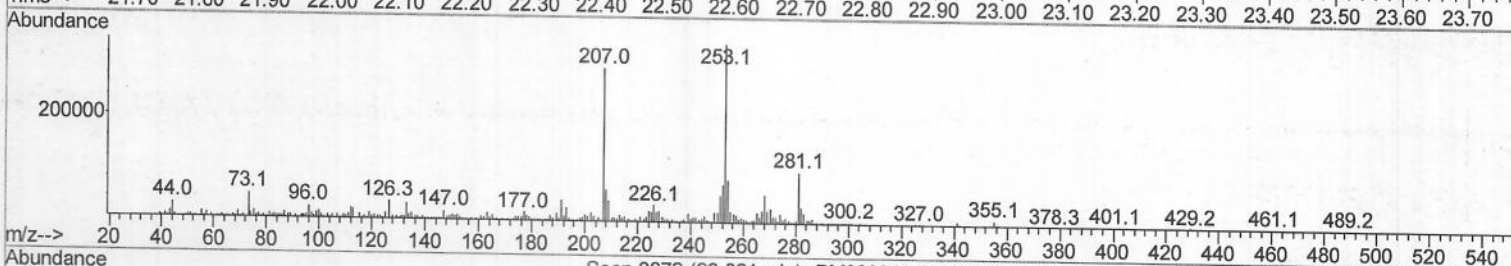
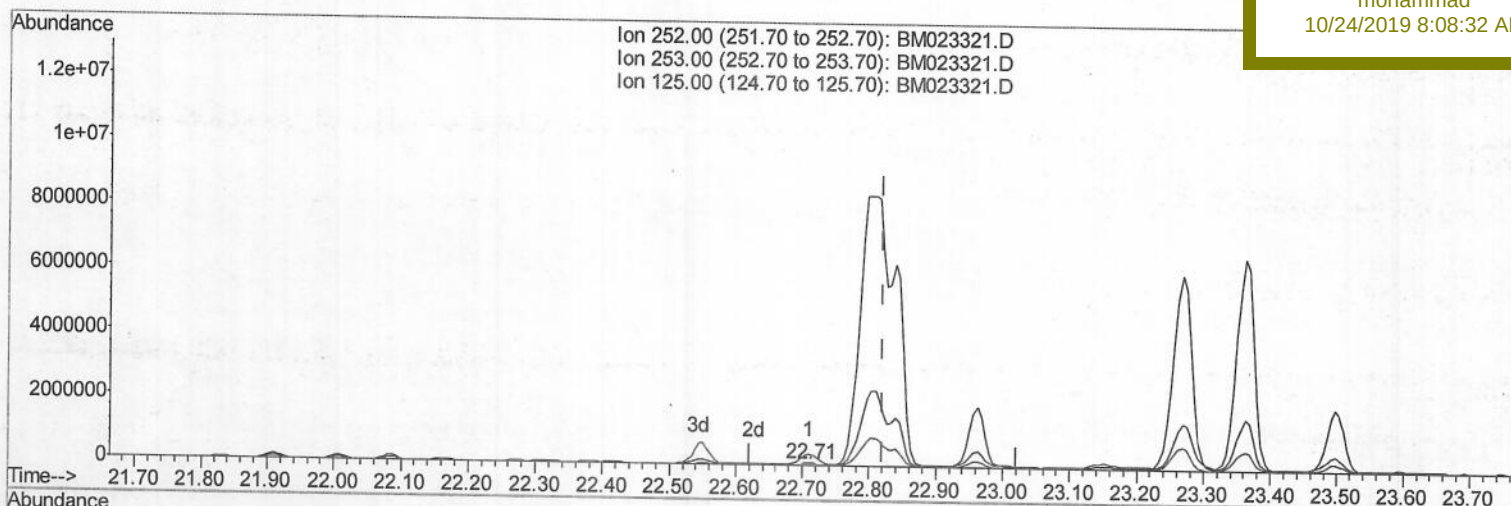
ETOJ6

Manual Integrations

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TIC: BM023321.D

(89) Benzo(k)fluoranthene

22.709min (-0.112) 0.65ng/ul

response 97168

Ion Exp% Act%

252.00 100 100

253.00 21.90 473.00#

125.00 8.20 17.52#

0.00 0.00 0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

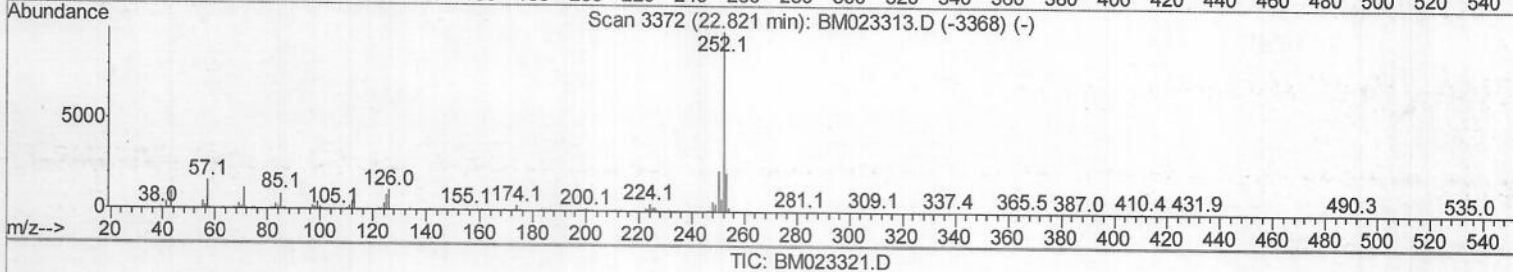
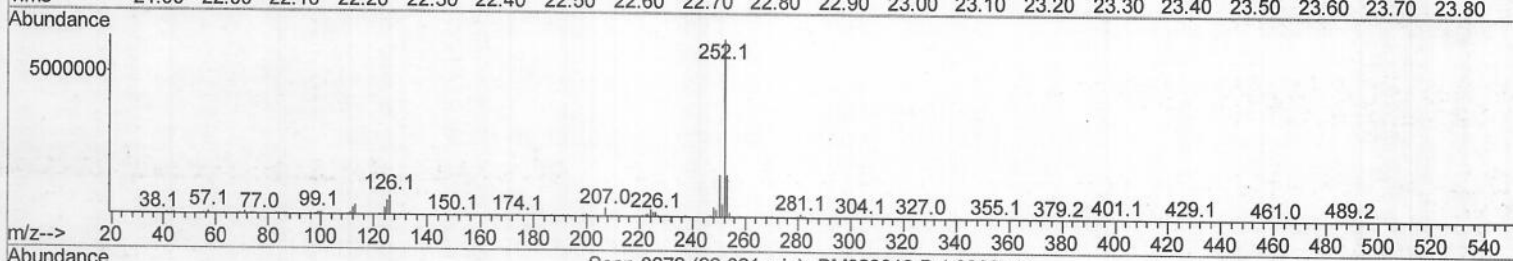
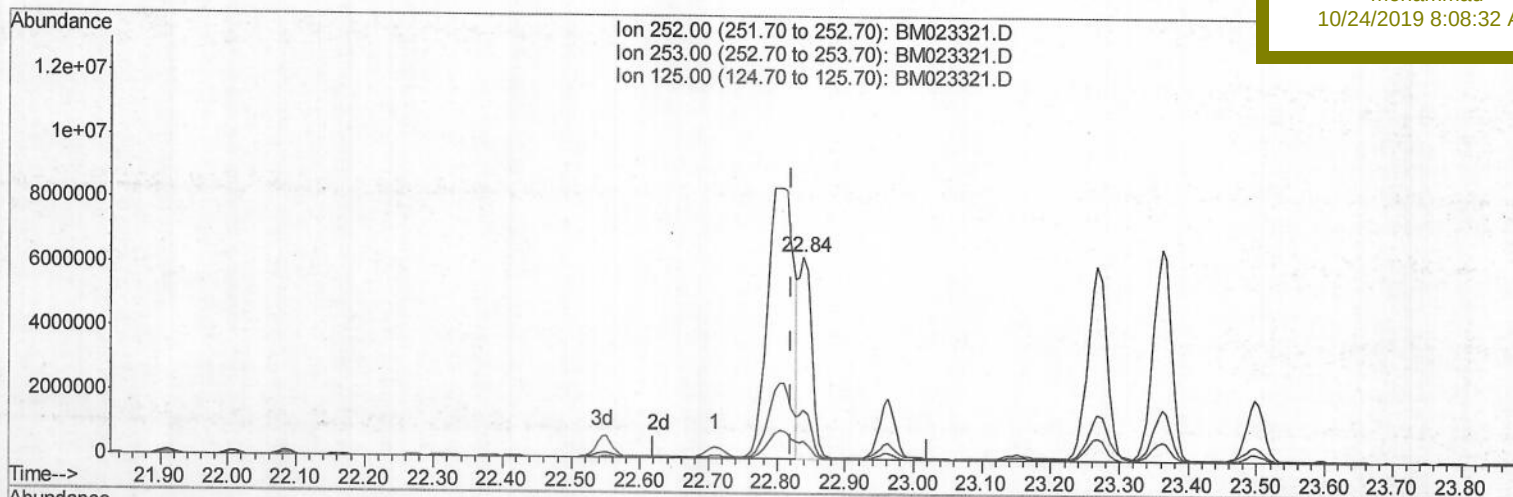
ETOJ6

Manual Integrations

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(89) Benzo(k)fluoranthene

22.839min (+0.018) 55.94ng/ul m

> JU 10/25/19

response 8335041

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.83
125.00	8.20	8.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

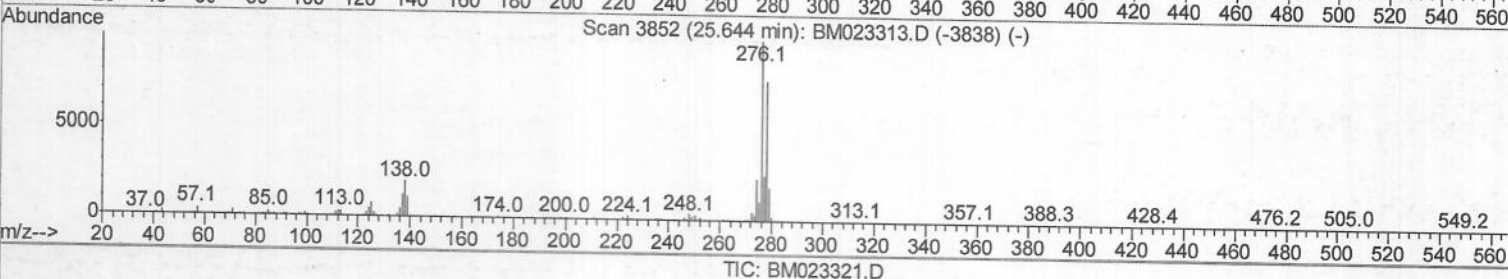
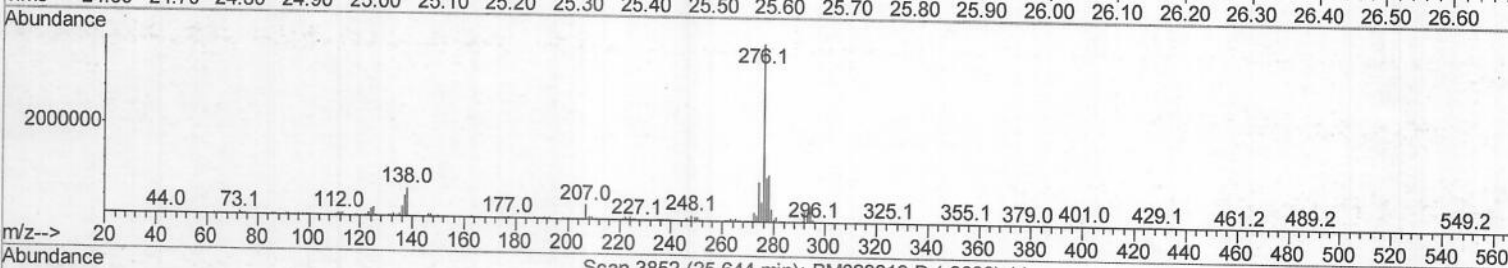
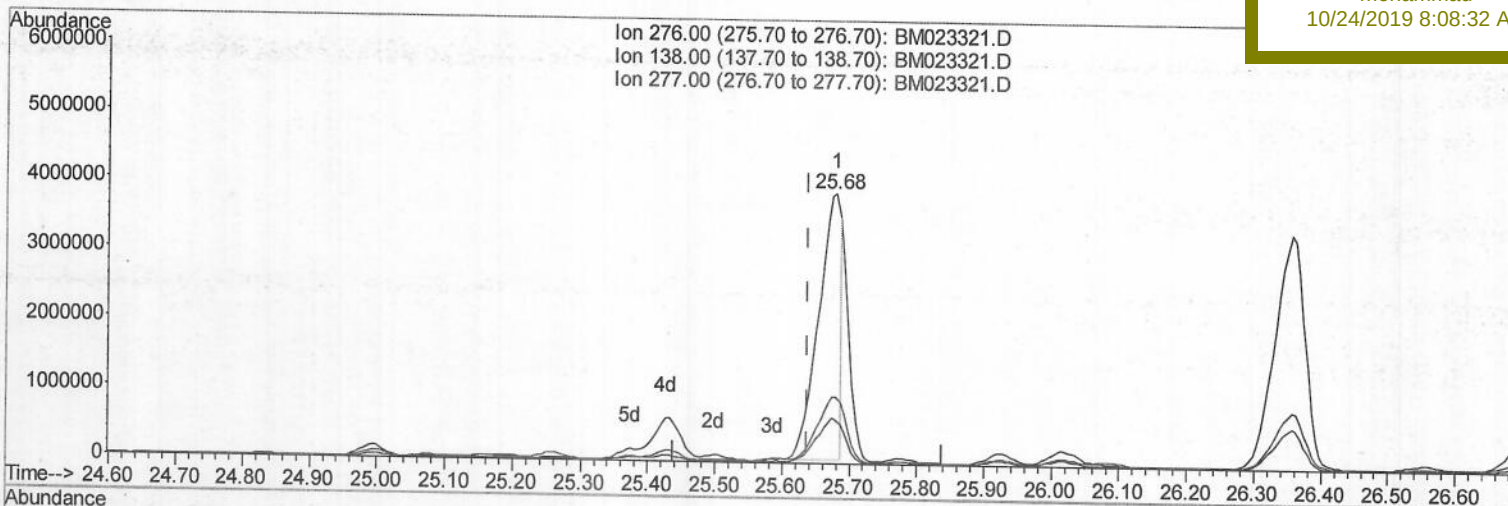
ETOJ6

Manual Integrations

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

25.680min (+0.041) 50.20ng/ul

response 8891088

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	16.03
277.00	24.80	24.57
0.00	0.00	0.00

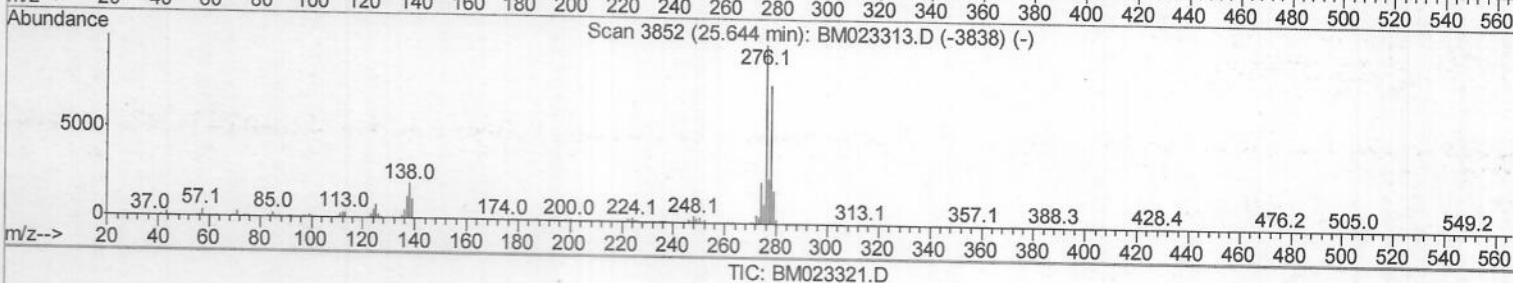
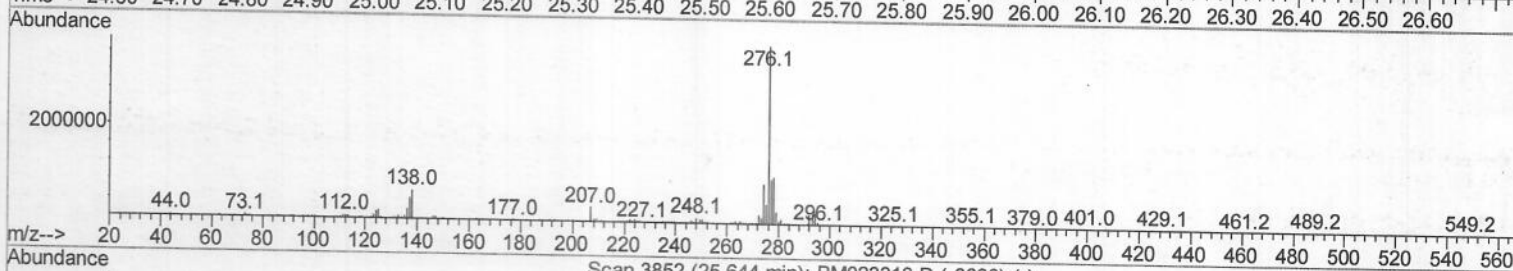
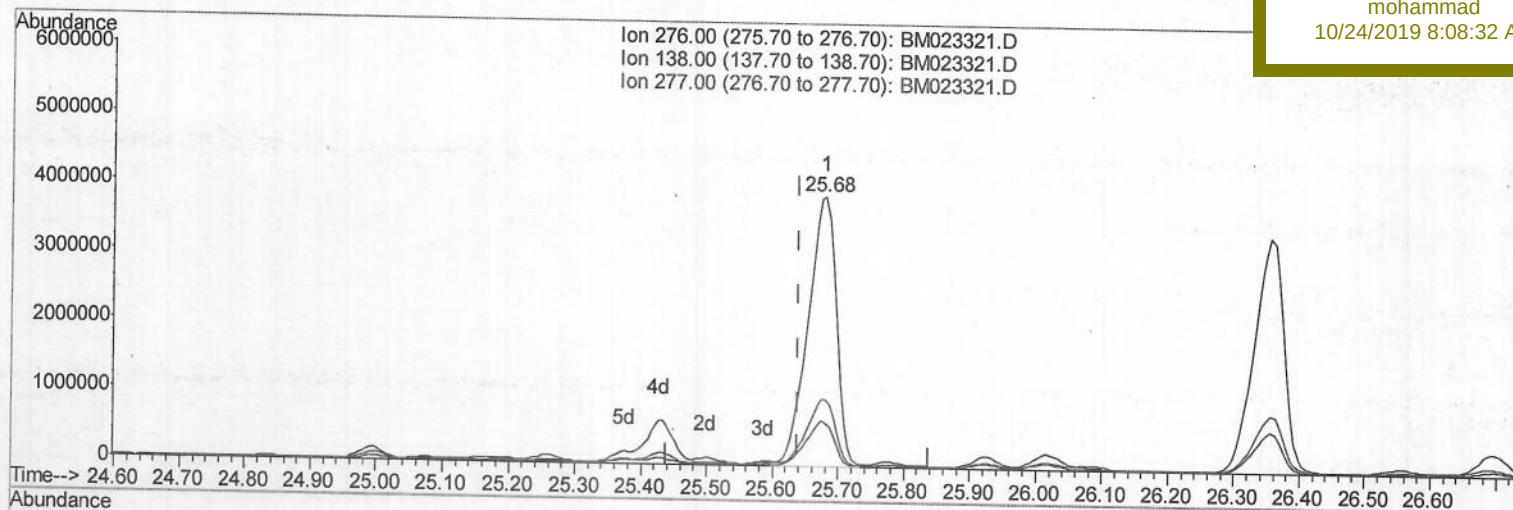
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023321.D
Acq On : 22 Oct 2019 16:34
Operator : JU
Sample : K5345-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ETOJ6

Manual Integrations
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10/24/2019 8:08:32 AM



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

25.680min (+0.041) 65.47ng/ul m > JU 10/25/19

response 11593815

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	16.03
277.00	24.80	24.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

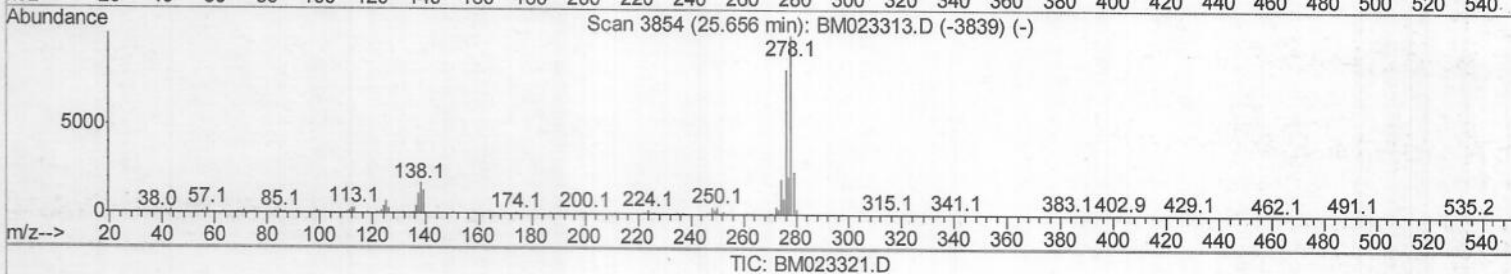
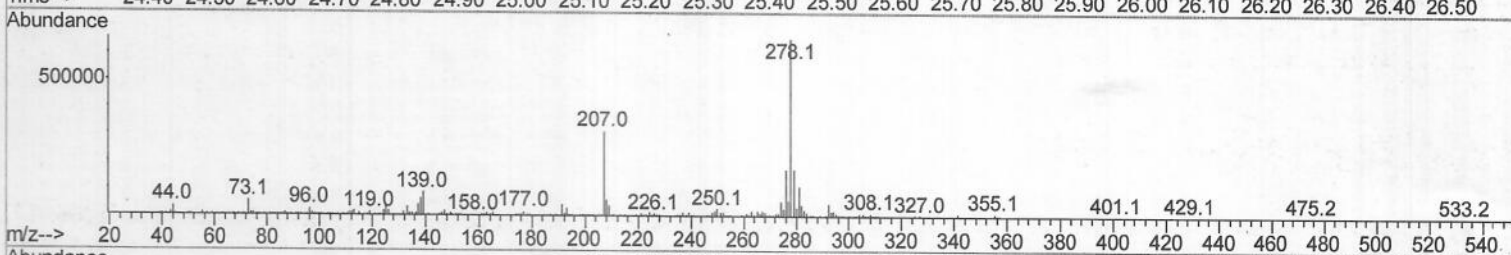
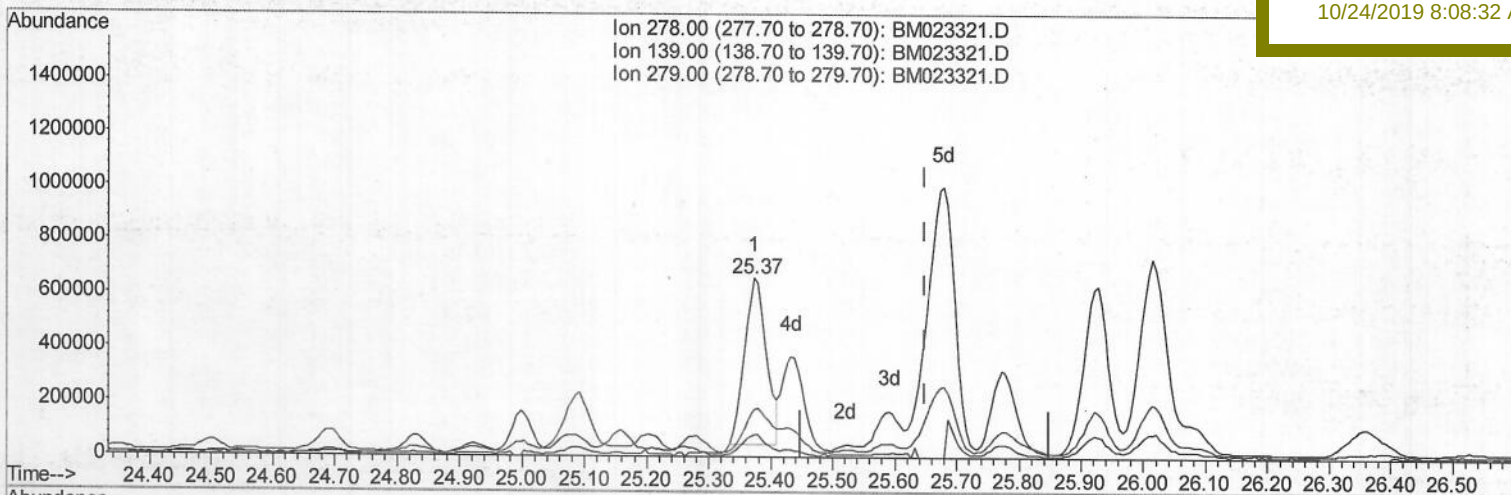
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

ETOJ6

Manual Integrations
APPROVEDmohammad
10/24/2019 8:08:32 AM

(93) Dibenzo(a,h)anthracene

25.374min (-0.276) 10.39ng/ul

response 1539089

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	12.80
279.00	24.60	26.42
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

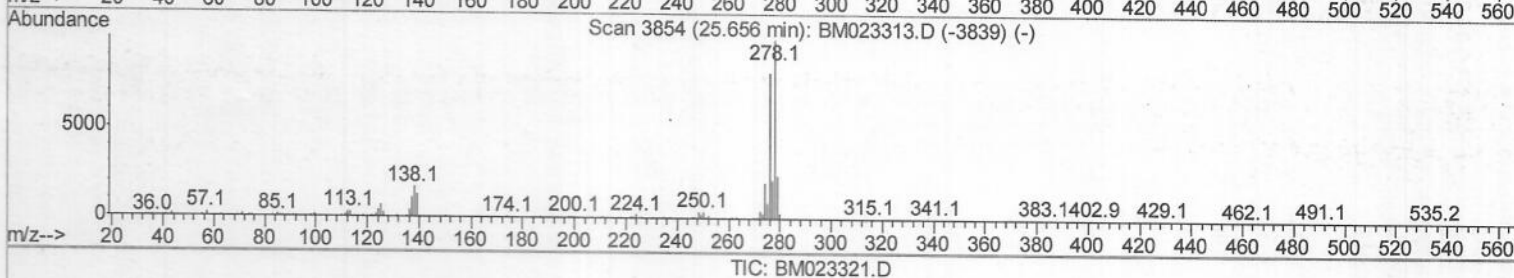
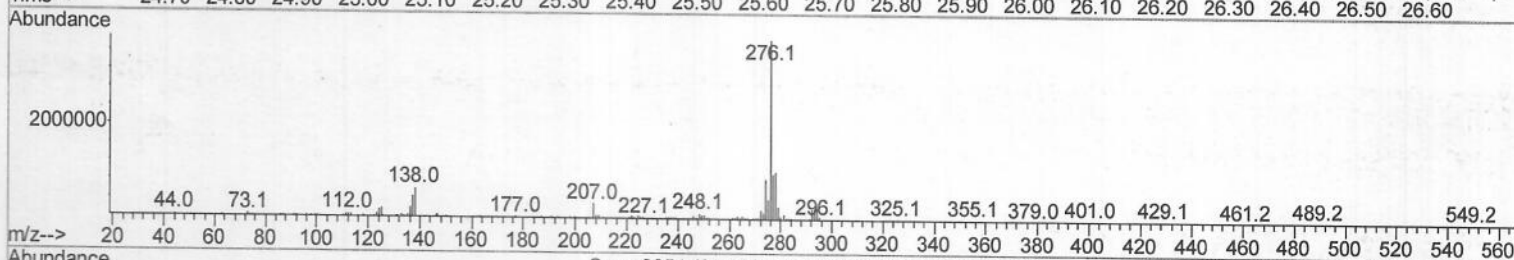
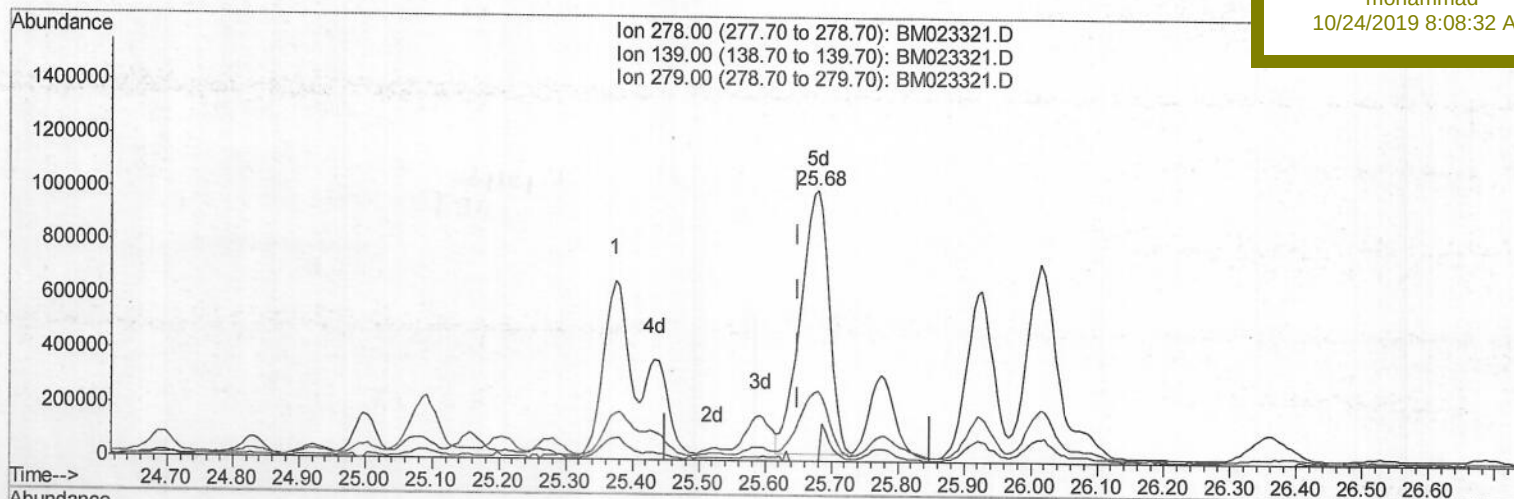
ETOJ6

Manual Integrations

APPROVED

mohammad

10/24/2019 8:08:32 AM



(93) Dibenzo(a,h)anthracene

25.680min (+0.030) 19.83ng/ul m

response 2936354

Ion	Exp%	Act%
278.00	100	100
139.00	13.10	0.00#
279.00	24.60	25.71
0.00	0.00	0.00

JU 10/25/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

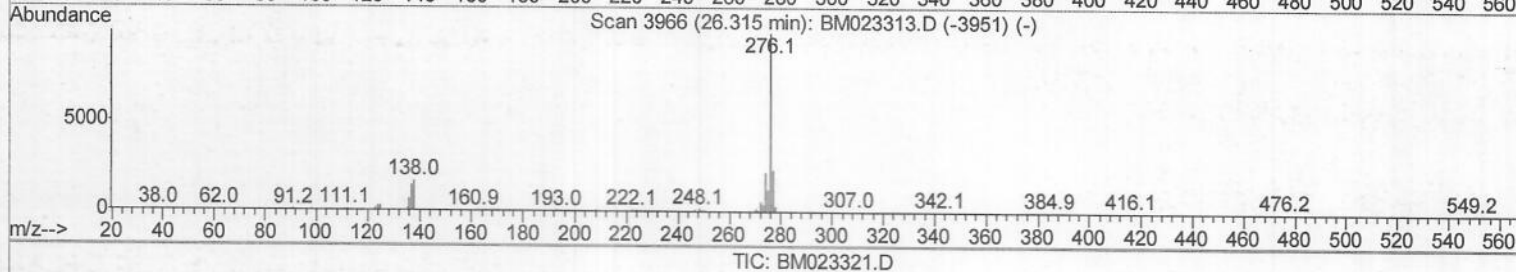
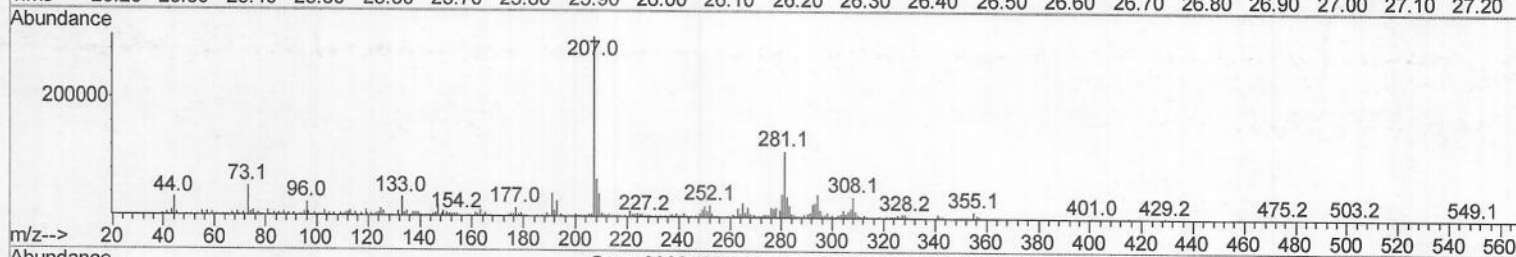
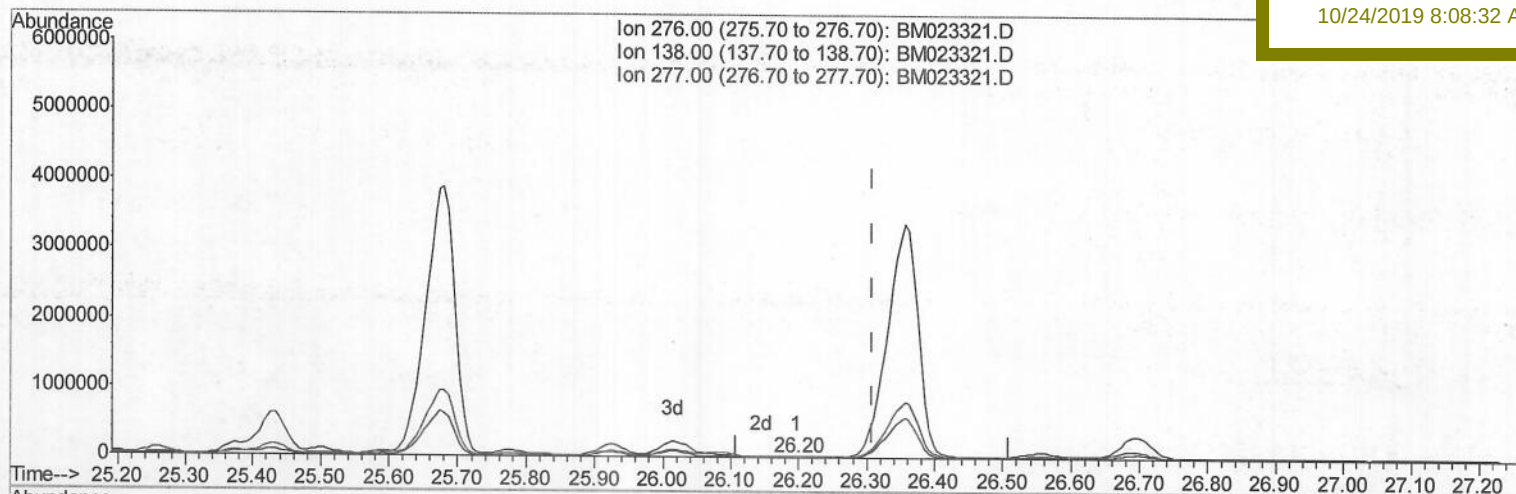
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Manual Integrations

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

26.197min (-0.112) 0.05ng/ul

response 6960

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	40.79#
277.00	23.40	85.73#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:31:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

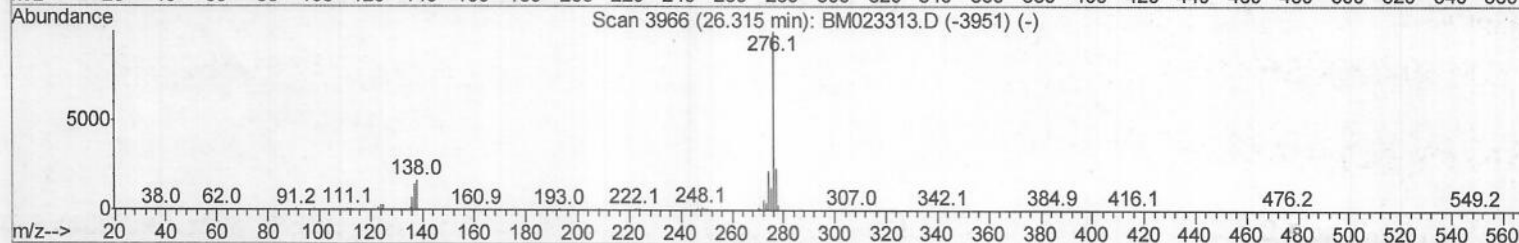
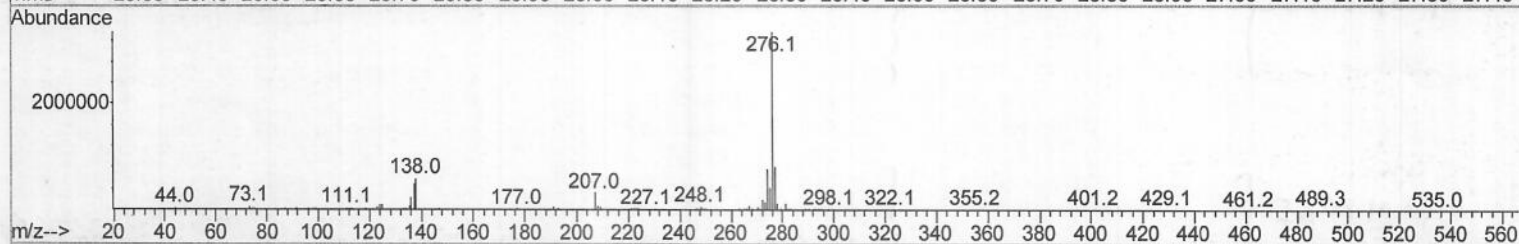
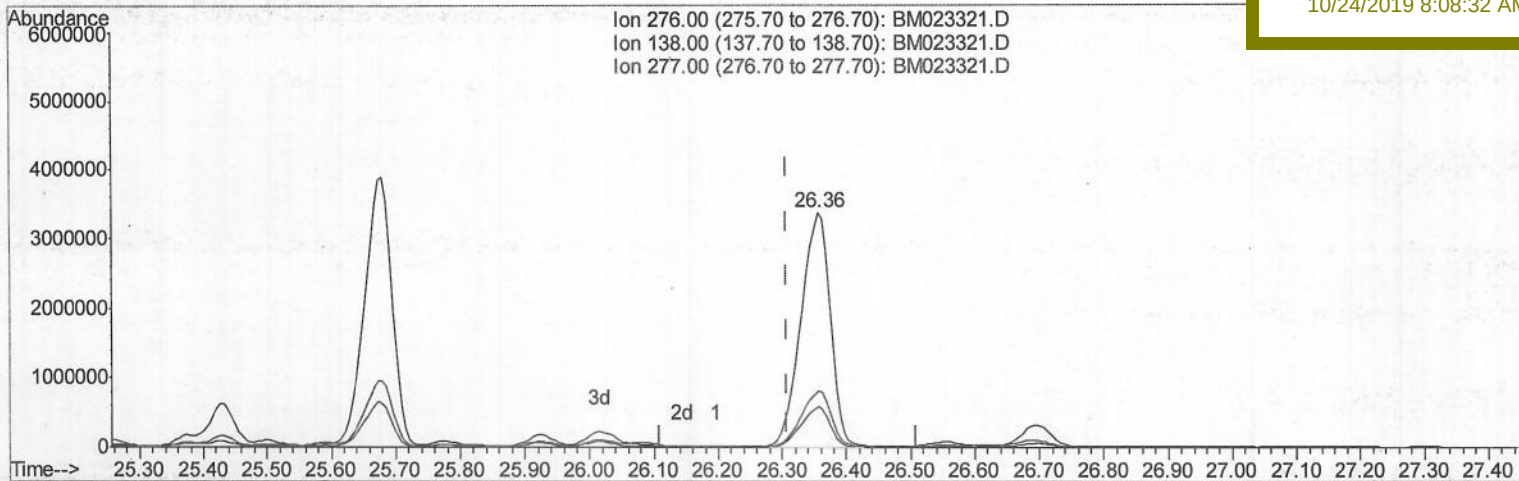
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Manual Integrations

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TIC: BM023321.D

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

26.356min (+0.047) 73.31ng/ul m

response 10689926

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	17.28
277.00	23.40	24.17
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\

Data File : BM023321.D

Acq On : 22 Oct 2019 16:34

Operator : JU

Sample : K5345-01

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 17:32:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Oct 22 11:39:35 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

ETOJ6

Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	346610	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1382340	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	856170	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1827281	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1997206	20.00	ng/ul	0.01
86) Perylene-d12	23.45	264	2559204m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	34324	4.36	ng/uL	0.00
5) Phenol-d5	6.83	99	630354	20.88	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.99	67	357174	20.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	497547	21.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	499822	20.61	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	227355	24.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	240606	27.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	519245	22.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	565789	20.54	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1655886	25.24	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1887785	24.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	210821	19.85	ng/ul	0.00
58) Fluorene-d10	15.29	176	1464273	26.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	189426	26.15	ng/ul	0.00
71) Anthracene-d10	17.14	188	2373026	26.93	ng/ul	0.00
79) Pyrene-d10	19.44	212	2711930	28.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	3324813	25.63	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.85	94	62276	2.000	ng/ul	96
28) Naphthalene	10.48	128	1109123	15.523	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	181437	3.413	ng/ul	96
45) Dimethylphthalate	13.76	163	381156	5.804	ng/ul	98
48) Acenaphthylene	14.02	152	2067412	26.276	ng/ul	100
50) Acenaphthene	14.36	153	428045	7.813	ng/ul	99
54) Dibenzofuran	14.69	168	348837	4.485	ng/ul	99
59) Fluorene	15.35	166	295737	4.634	ng/ul	100
70) Phenanthrene	17.08	178	2408463	23.486	ng/ul	98
72) Anthracene	17.17	178	5076919	47.909	ng/ul	100
75) Carbazole	17.44	167	854004	9.021	ng/ul	99
77) Fluoranthene	19.10	202	11399360	93.468	ng/ul	100
80) Pyrene	19.47	202	11422267	91.293	ng/ul	100
83) Benzo(a)anthracene	21.23	228	9396714	69.438	ng/ul#	92
85) Chrysene	21.28	228	13813494m	109.932	ng/ul	
88) Benzo(b)fluoranthene	22.80	252	22341855m	143.987	ng/ul	
89) Benzo(k)fluoranthene	22.84	252	8335041m	55.943	ng/ul	
91) Benzo(a)pyrene	23.36	252	11973297	80.429	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.68	276	11593815m	65.466	ng/ul	
93) Dibenzo(a,h)anthracene	25.68	278	2936354m	19.830	ng/ul	
94) Benzo(a,h,i)perylene	26.36	276	10689926m	73.313	ng/ul	

JU 10/25/19

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BNA_M

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Internal Standards R.T. QIon Response Conc Units Dev(Min)

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