

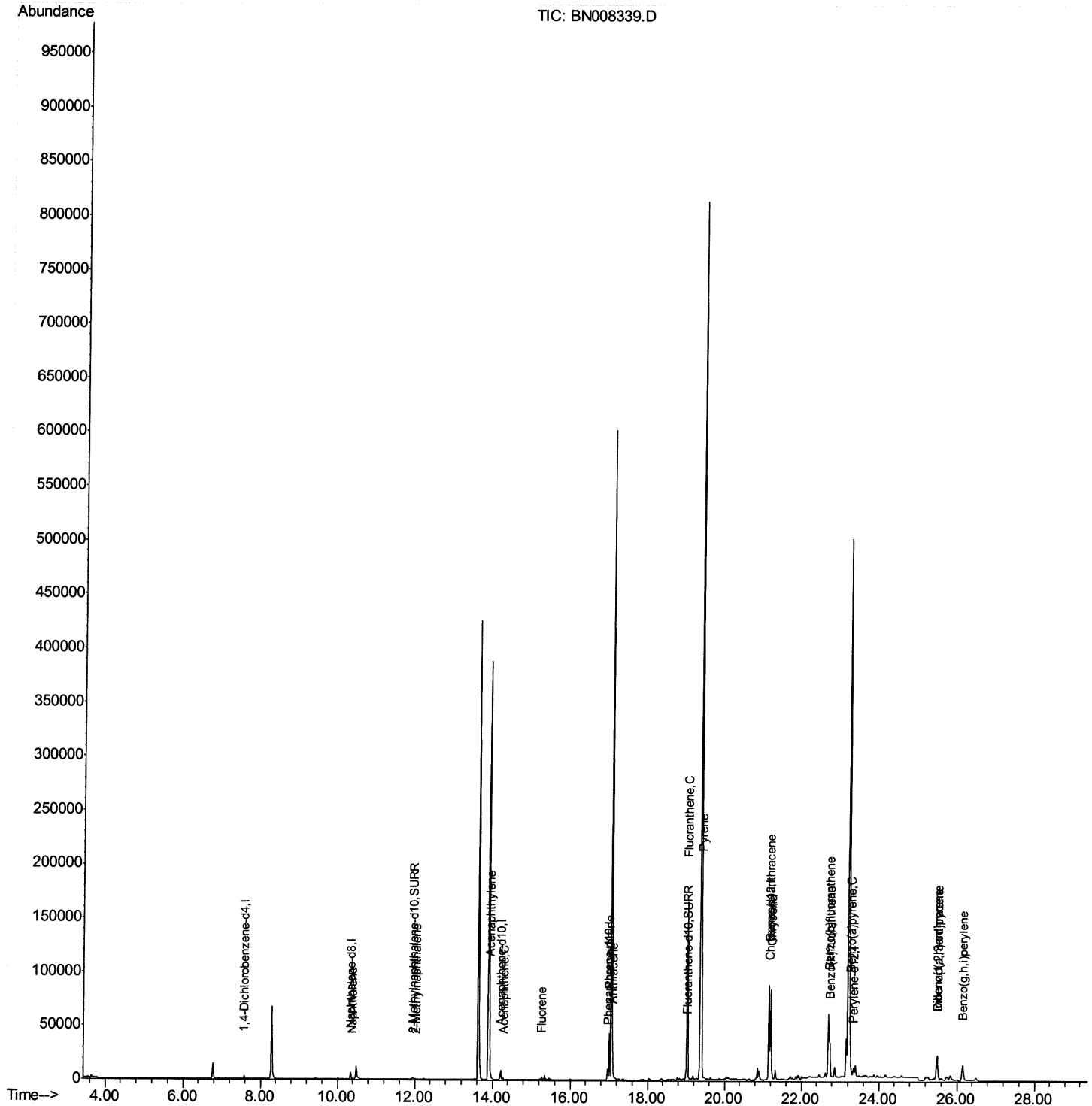
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008339.D
Acq On : 23 Oct 2019 06:19
Operator : JU
Sample : K5223-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP A6

Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:04 AM

Quant Time: Oct 23 07:16:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration



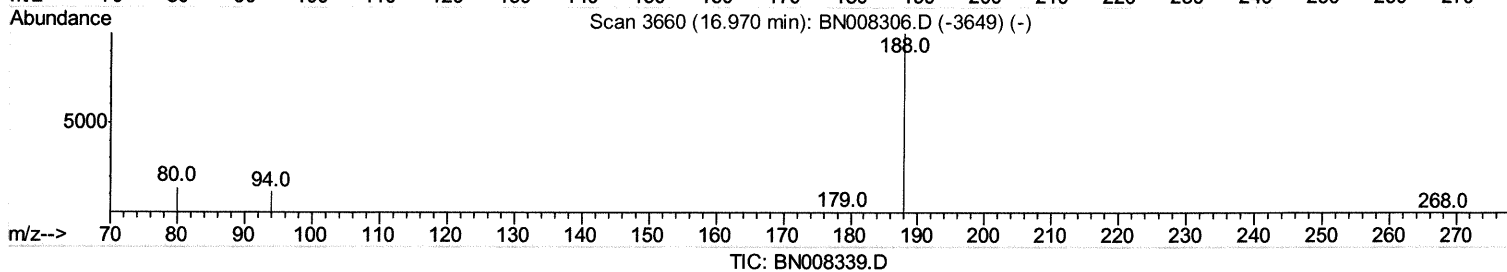
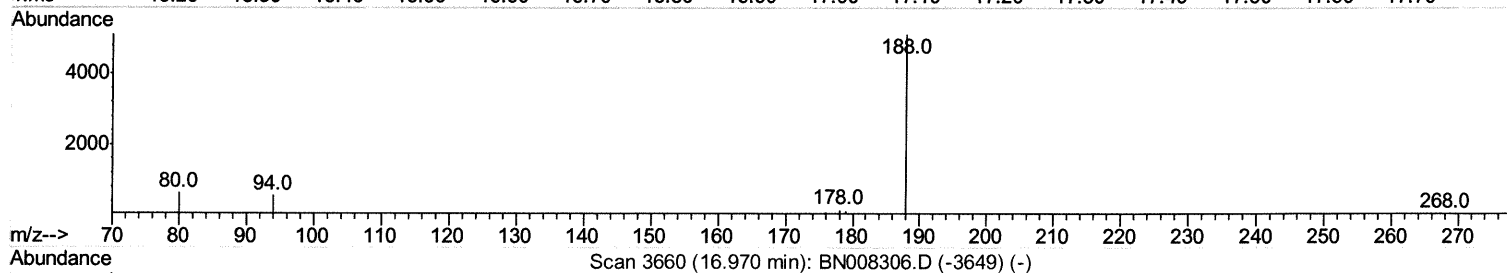
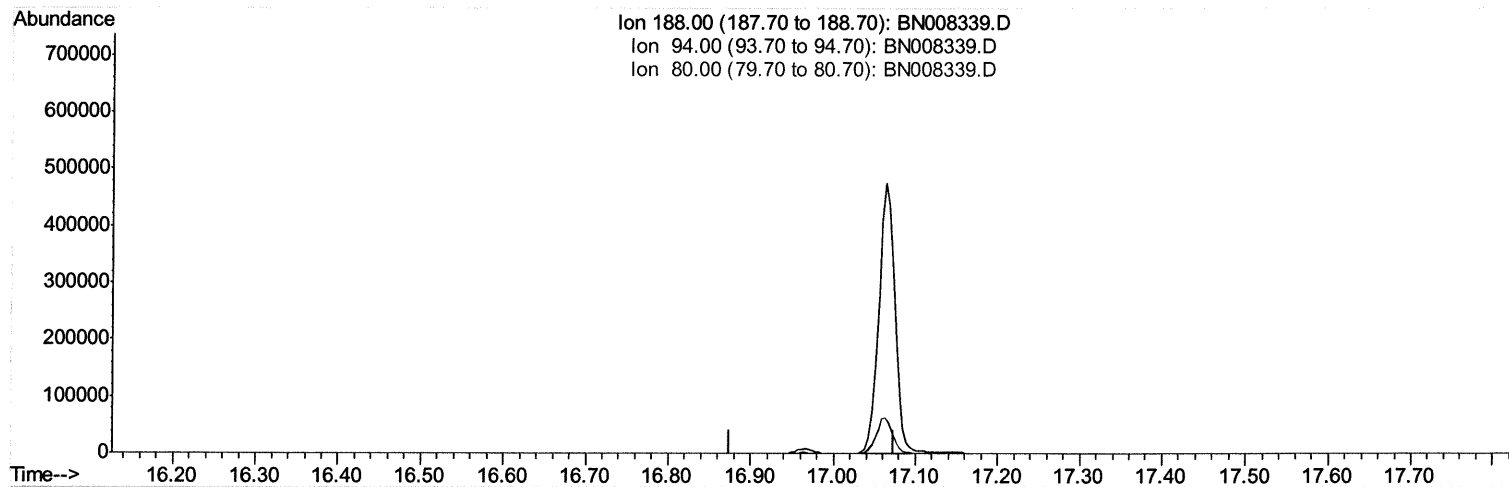
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Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:04 AM

Quant Time: Oct 23 07:08:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

16.975min (-16.975) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	10.90	0.00#
80.00	12.60	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\

Data File : BN008339.D

Acq On : 23 Oct 2019 06:19

Operator : JU

Sample : K5223-18

Misc :

ALS Vial : 33 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEP6

Manual Integrations
APPROVEDmohammad
10/24/2019 8:06:04 AM

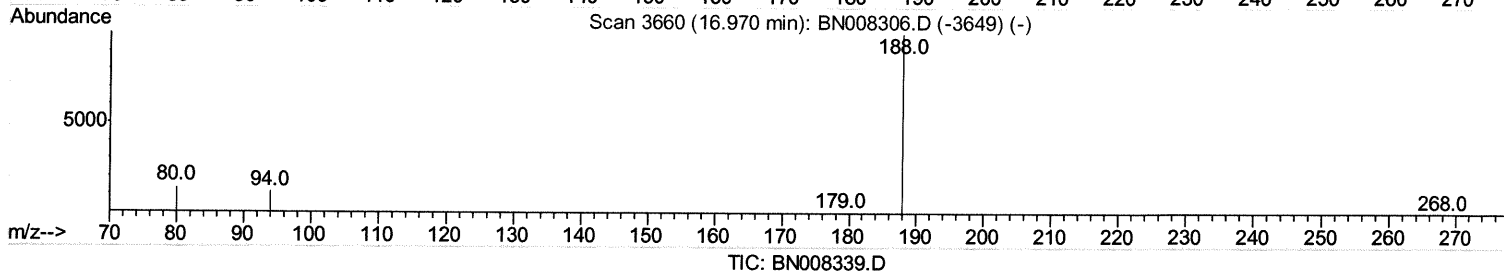
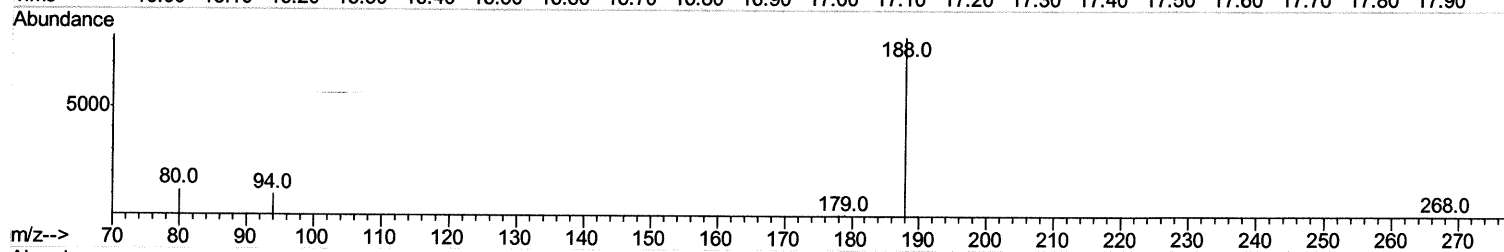
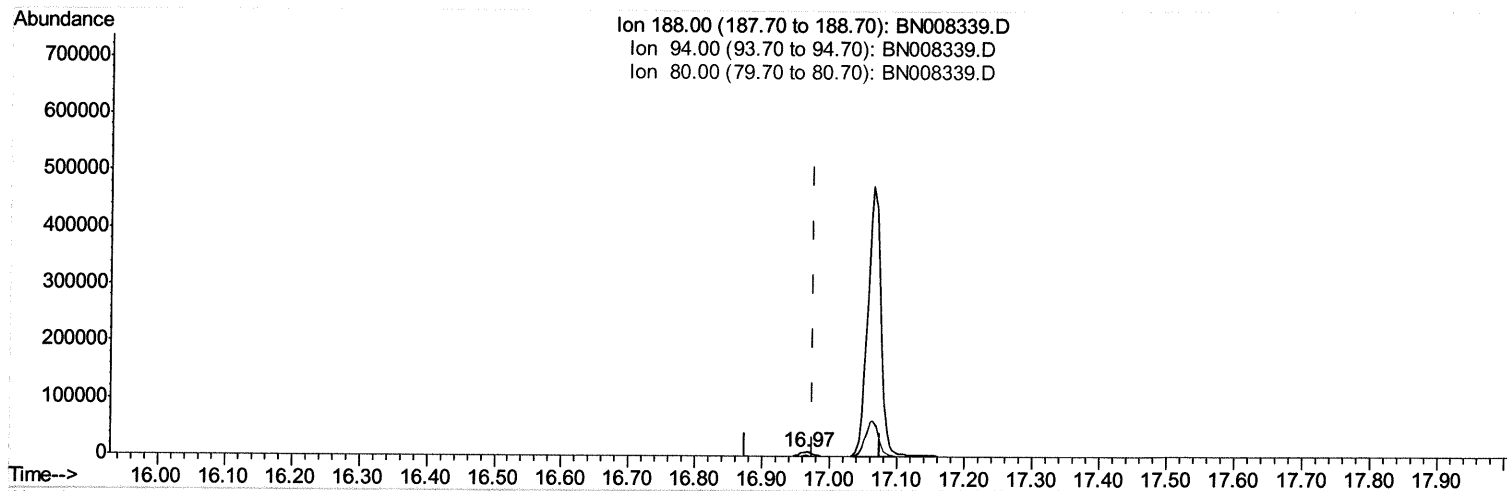
Quant Time: Oct 23 07:08:00 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 21 23:58:15 2019

Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

16.966min (-0.008) 0.40ng/ul m *JU 10-23-19*

response 11390

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.98
80.00	12.60	14.50
0.00	0.00	0.00

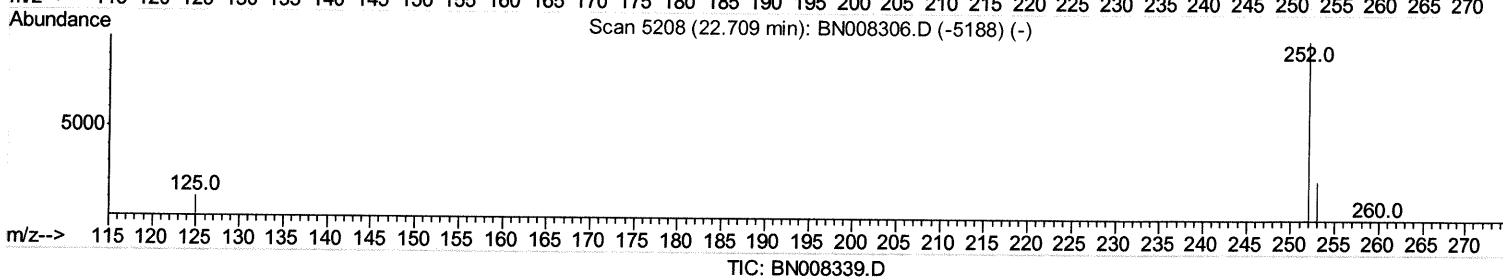
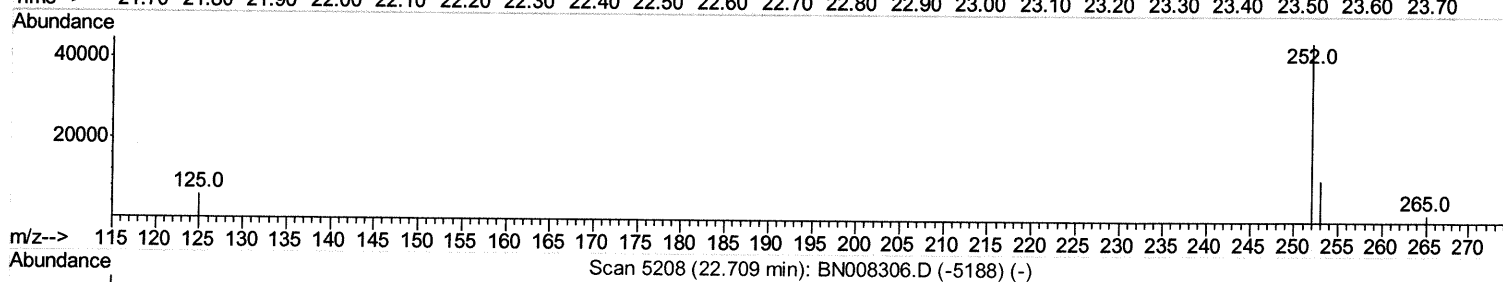
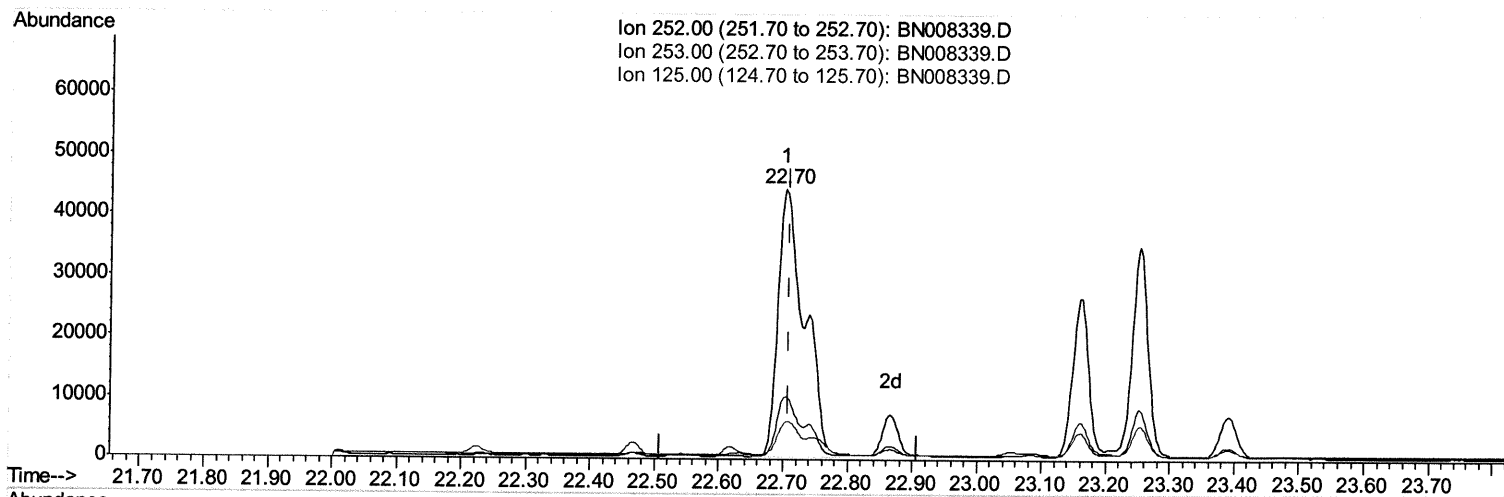
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008339.D
Acq On : 23 Oct 2019 06:19
Operator : JU
Sample : K5223-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP A6

Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:04 AM

Quant Time: Oct 23 07:14:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.703min (-0.006) 4.09ng/ul

response 126200

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	23.25
125.00	16.20	13.52
0.00	0.00	0.00

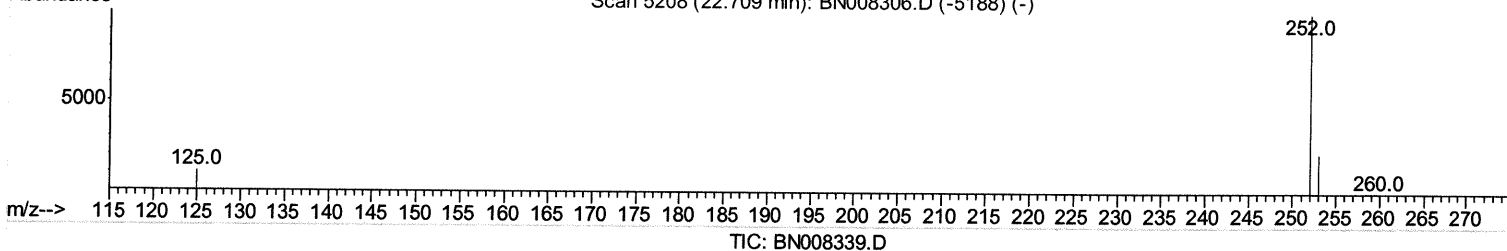
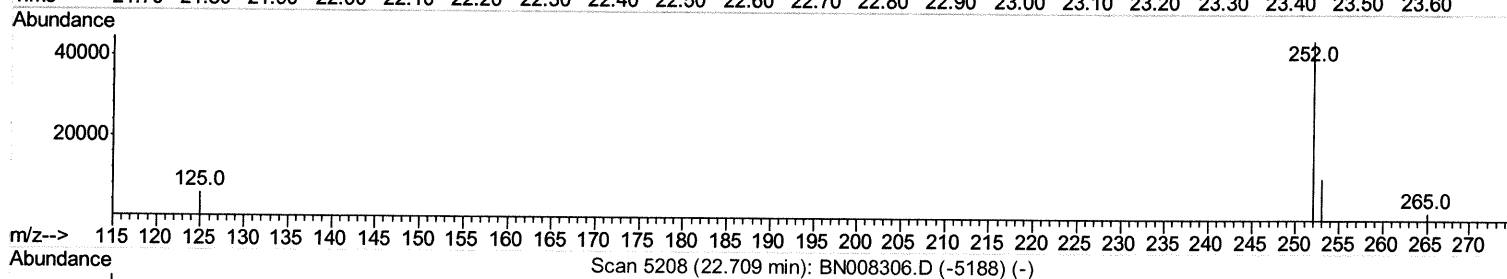
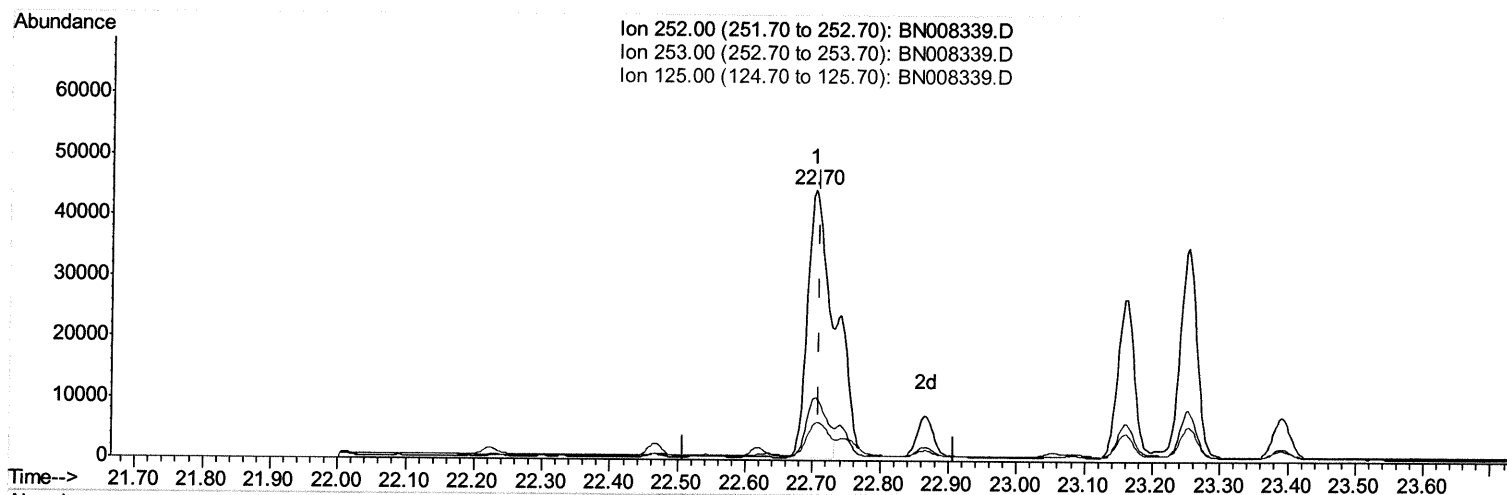
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008339.D
Acq On : 23 Oct 2019 06:19
Operator : JU
Sample : K5223-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP66

Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:04 AM

Quant Time: Oct 23 07:14:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.703min (-0.006) 3.07ng/ul m *PA 10.23.19*

response 94643

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	23.25
125.00	16.20	13.52
0.00	0.00	0.00

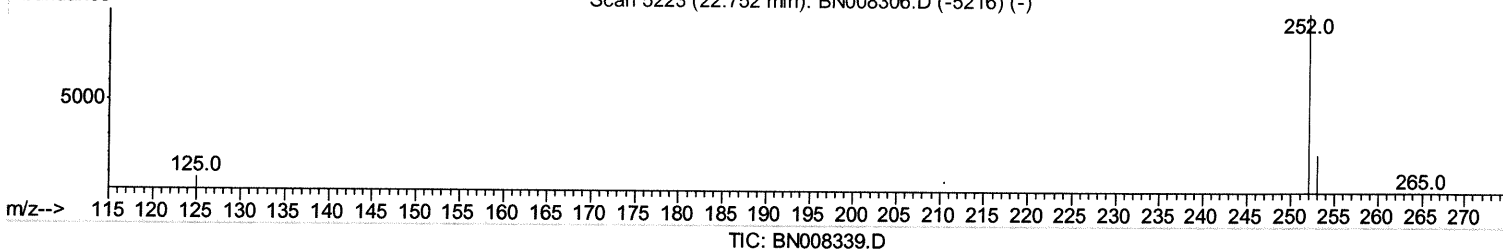
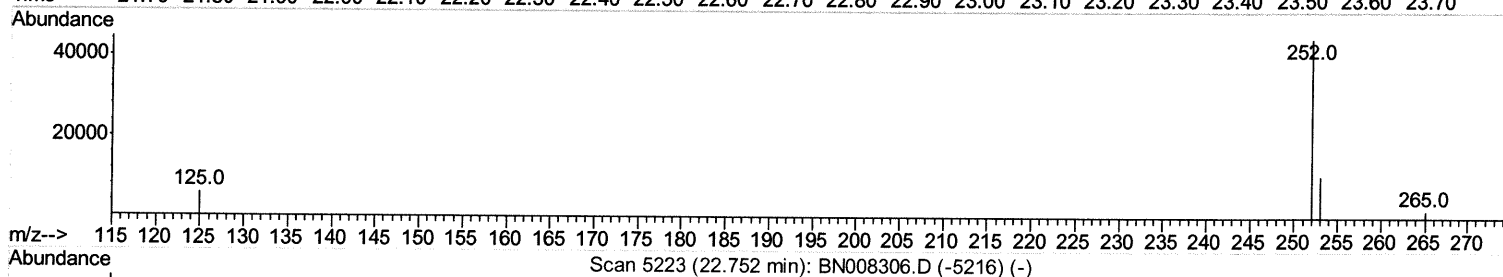
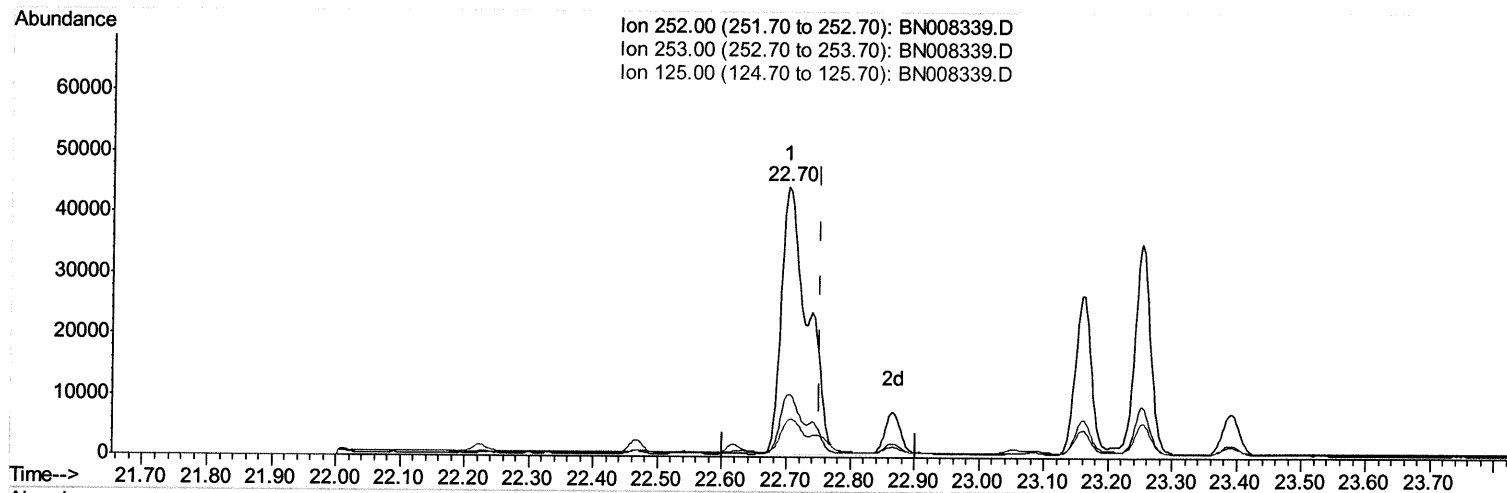
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008339.D
Acq On : 23 Oct 2019 06:19
Operator : JU
Sample : K5223-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP66

Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:04 AM

Quant Time: Oct 23 07:14:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.703min (-0.050) 3.61ng/ul

response 126200

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.25
125.00	15.40	13.52
0.00	0.00	0.00

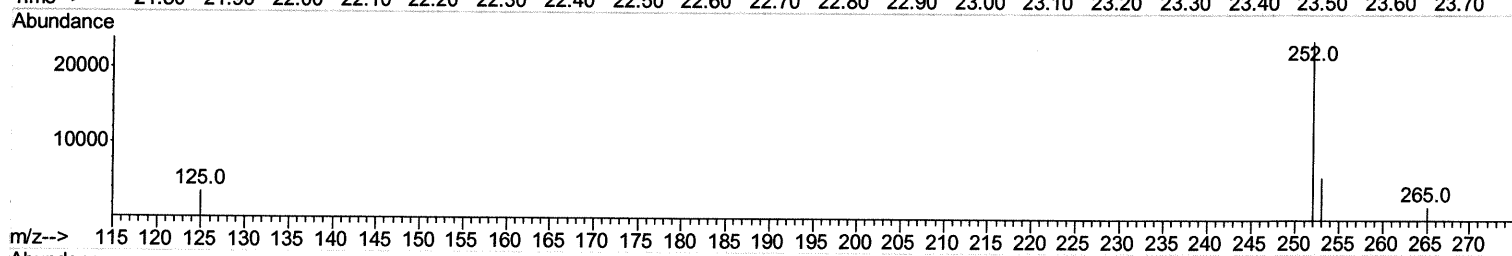
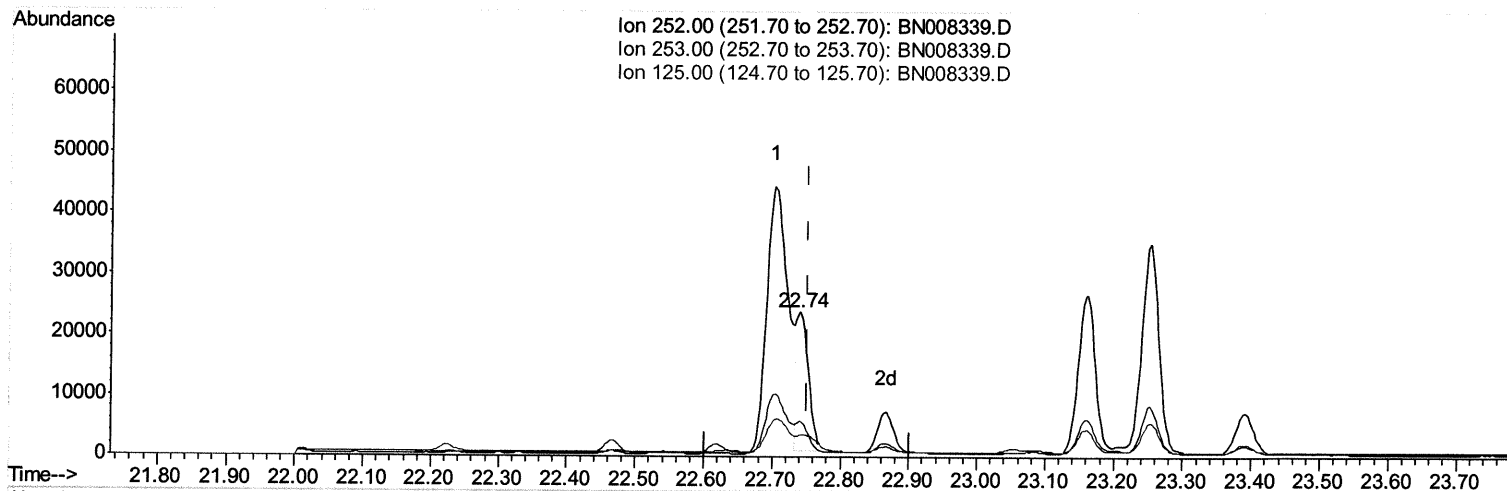
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008339.D
Acq On : 23 Oct 2019 06:19
Operator : JU
Sample : K5223-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP6

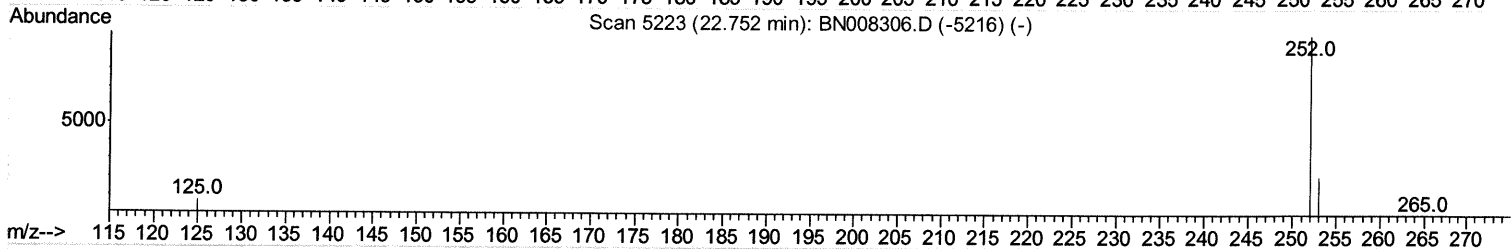
Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:04 AM

Quant Time: Oct 23 07:14:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration



Scan 5223 (22.752 min): BN008306.D (-5216) (-)



TIC: BN008339.D

(22) Benzo(k)fluoranthene

22.741min (-0.012) 0.83ng/ul m

JU 10.23.19

response 29096

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.60
125.00	15.40	15.15
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008339.D
 Acq On : 23 Oct 2019 06:19
 Operator : JU
 Sample : K5223-18
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPA6

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:06:04 AM

Quant Time: Oct 23 07:16:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 23:58:15 2019
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Internal Standards	R.T.	QI on	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1659	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8288	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5202	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	11390m	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11030	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	9479	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.95	152	3034	0.22	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	9538	0.24	ng/ul	0.00

Target Compounds

						Ovalue
3) Naphthalene	10.39	128	1251	0.053	ng/ul#	85
5) 2-Methylnaphthalene	12.02	142	580	0.036	ng/ul	96
7) Acenaphthylene	13.93	152	4503	0.182	ng/ul	97
8) Acenaphthene	14.28	153	1201	0.062	ng/ul	96
9) Fluorene	15.27	166	1691	0.077	ng/ul#	95
12) Phenanthrene	17.00	178	45919	1.377	ng/ul	99
13) Anthracene	17.10	178	8797	0.300	ng/ul	99
15) Fluoranthene	19.03	202	136831	3.107	ng/ul	99
17) Pyrene	19.40	202	131020	2.983	ng/ul	100
18) Benzo(a)anthracene	21.16	228	72311	1.803	ng/ul	98
19) Chrysene	21.21	228	84709	1.721	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	94643m	3.067	ng/ul	} JU 10.23.19
22) Benzo(k)fluoranthene	22.74	252	29096m	0.832	ng/ul	
23) Benzo(a)pyrene	23.25	252	60072	1.850	ng/ul#	
24) Indeno(1,2,3-cd)pyrene	25.50	276	37560	0.982	ng/ul	99
25) Dibenzo(a,h)anthracene	25.50	278	8861	0.293	ng/ul	92
26) Benzo(a,h,i)perylene	26.15	276	29917	0.853	ng/ul	98

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