

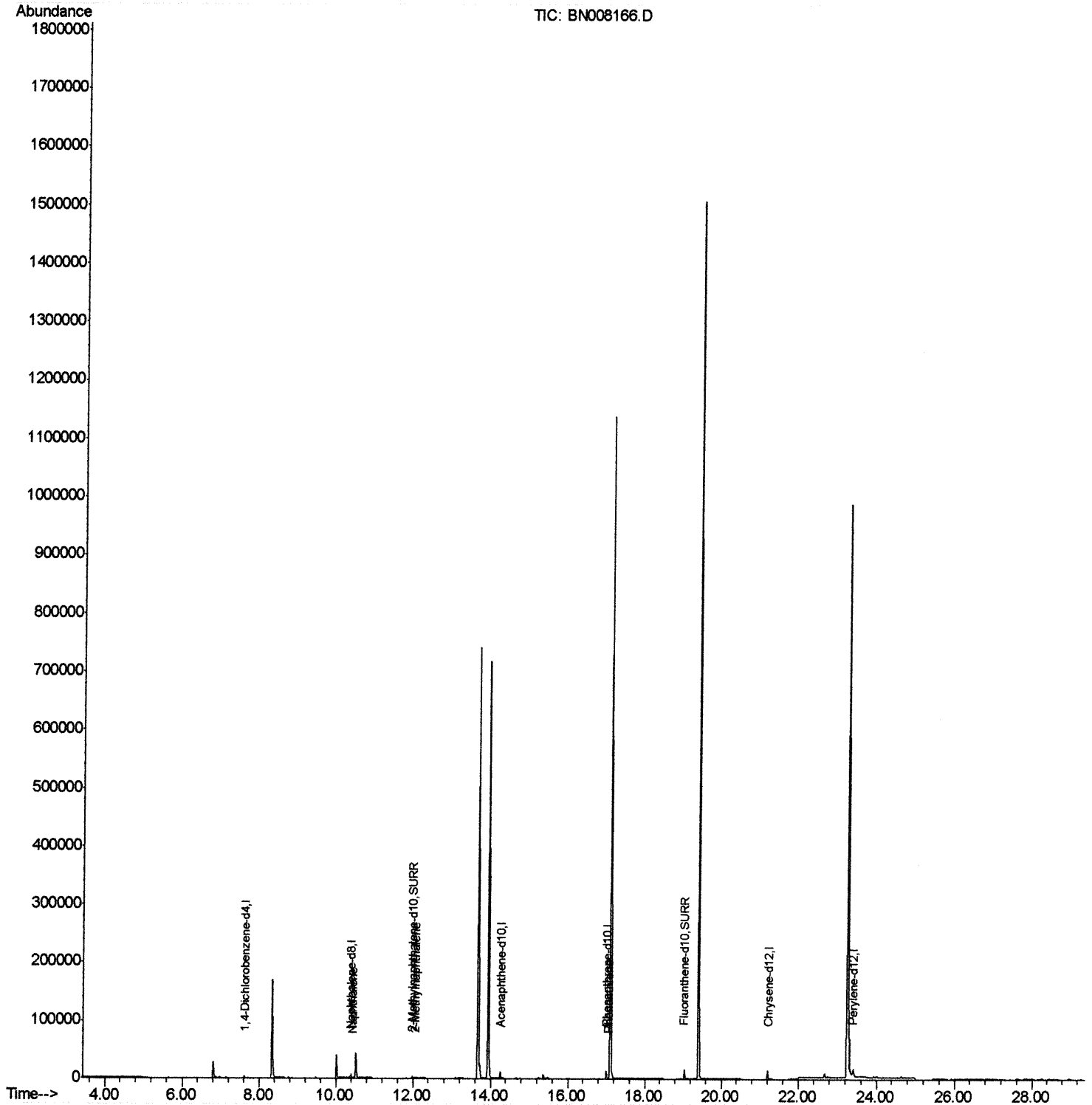
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008166.D
Acq On : 15 Oct 2019 10:53
Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMF4

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:23:51 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 : Tue Oct 15 10:51:25 2019
Response via : Initial Calibration



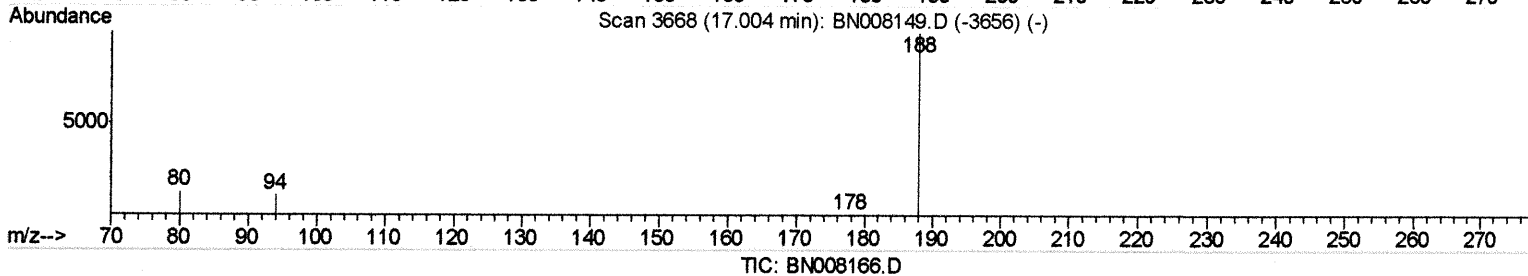
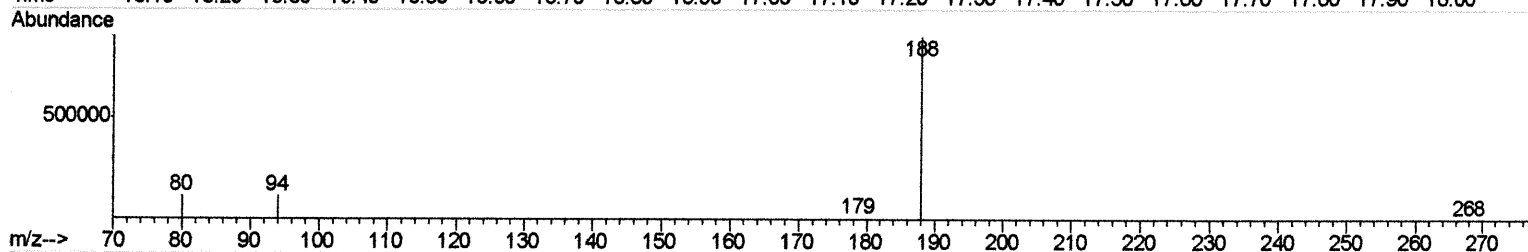
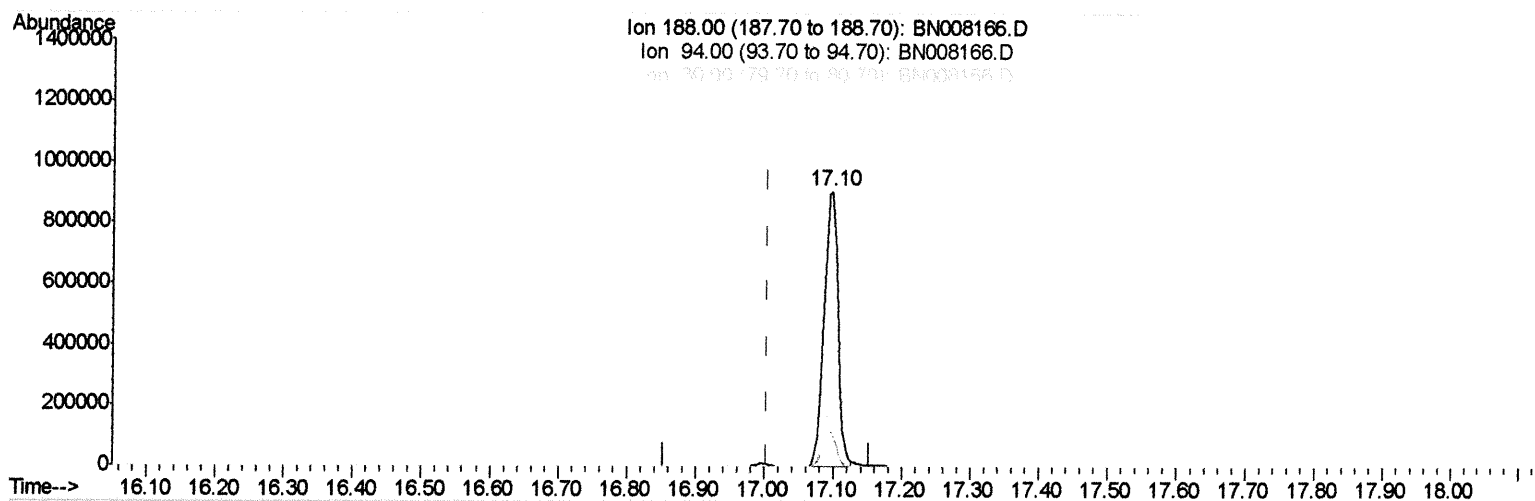
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
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Instrument :
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 ClientSampleId :
 JLMF4

Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:16:04 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 : Tue Oct 15 10:51:25 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.097min (+0.093) 0.40ng/ul

response 1275429

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.25
80.00	12.60	12.04
0.00	0.00	0.00

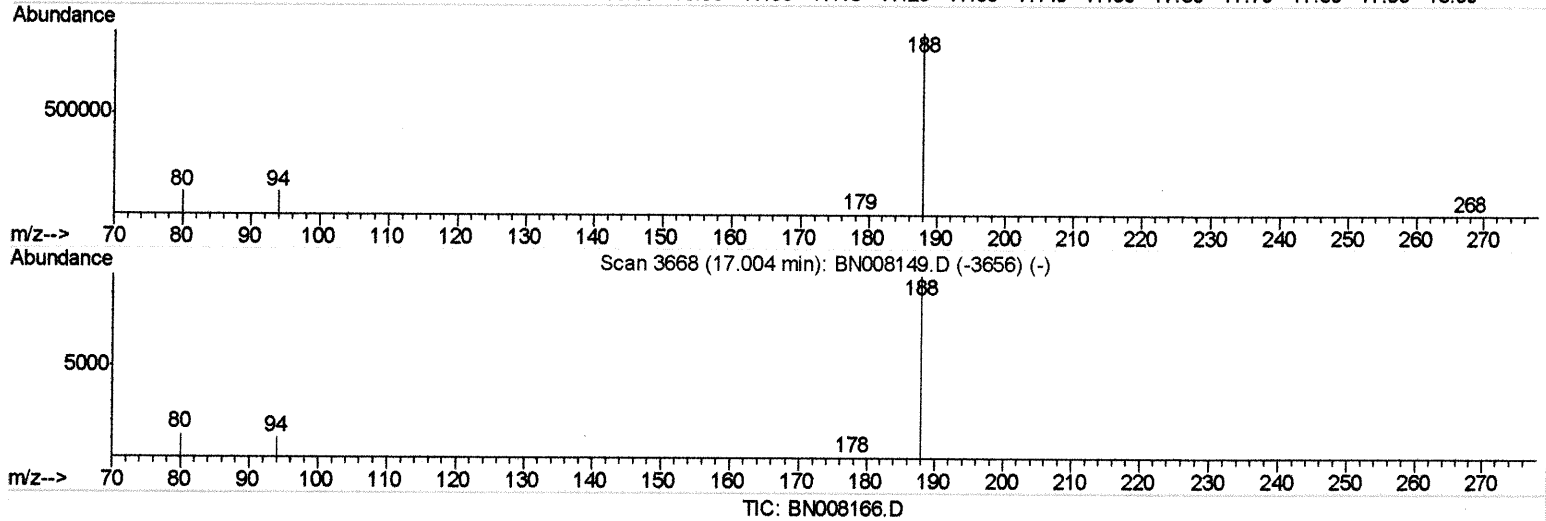
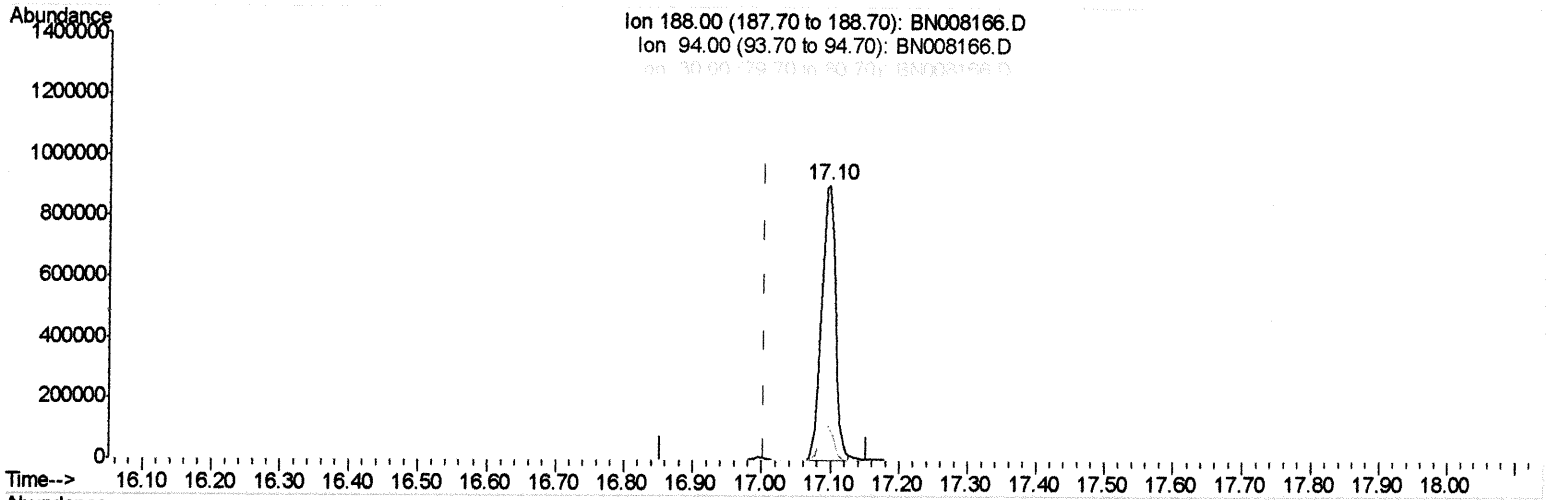
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008166.D
Acq On : 15 Oct 2019 10:53
Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMF4

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:16:04 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 : Tue Oct 15 10:51:25 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.097min (+0.093) 0.40ng/ul

response 1275429

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.25
80.00	12.60	12.04
0.00	0.00	0.00

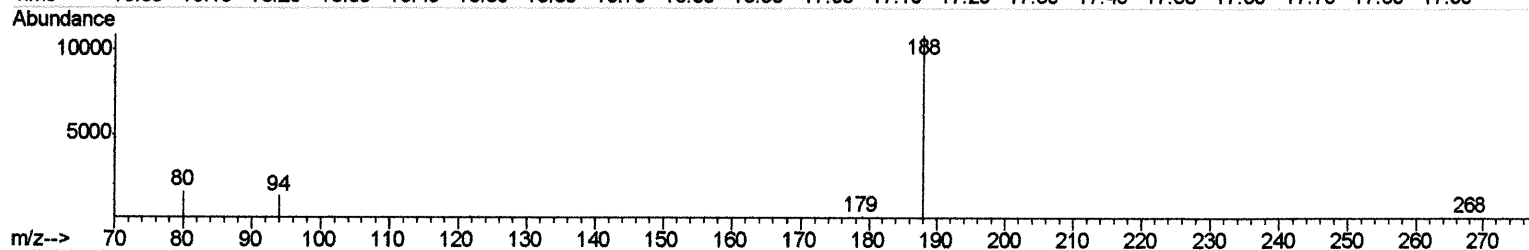
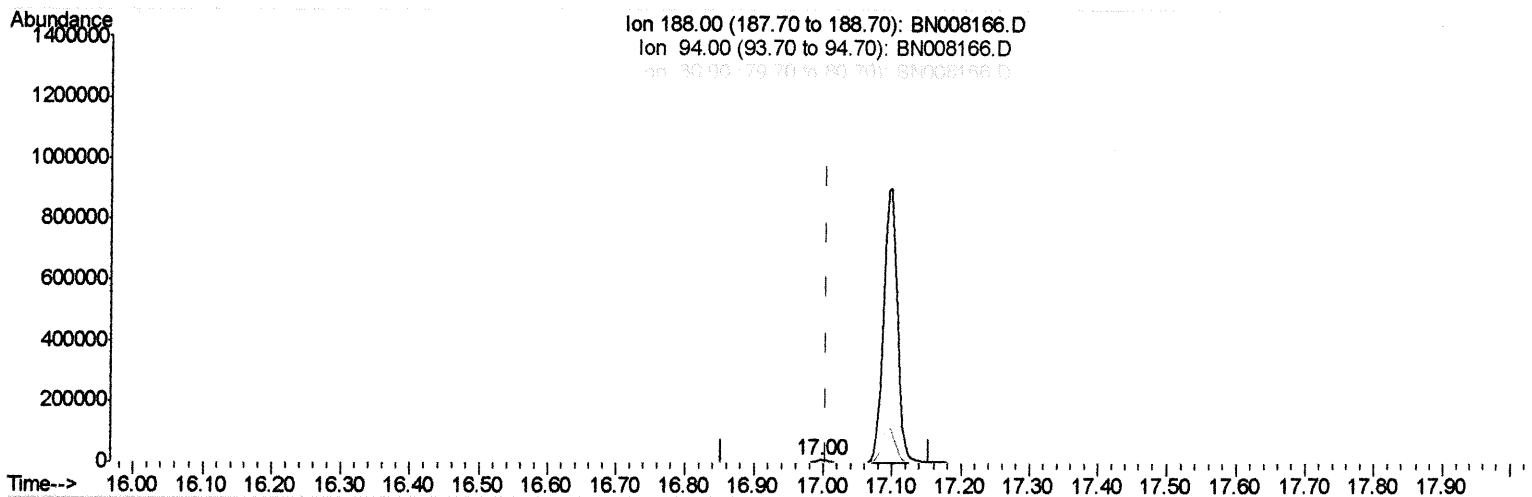
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
 Data File : BN008166.D
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 Operator : JU
 Sample : K5097-16
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 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLMF4

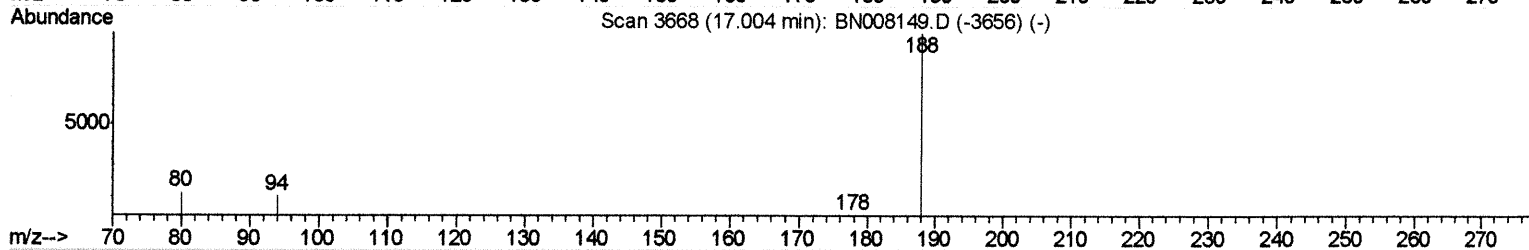
Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:16:04 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 : Tue Oct 15 10:51:25 2019
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Scan 3668 (17.004 min): BN008149.D (-3656) (-)



TIC: BN008166.D

(10) Phenanthrene-d10 (I)

16.996min (-0.008) 0.40ng/ul m *R₁* 10/16/19

response 15854

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.80
80.00	12.60	14.30
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008166.D
Acq On : 15 Oct 2019 10:53
Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

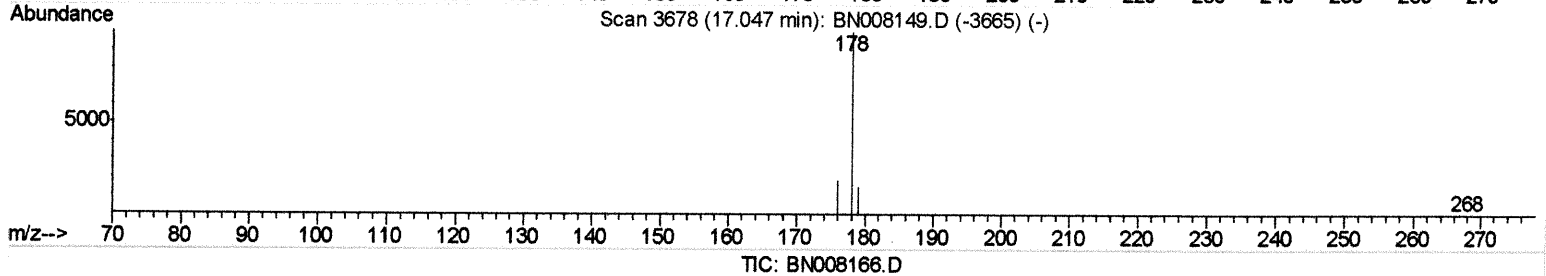
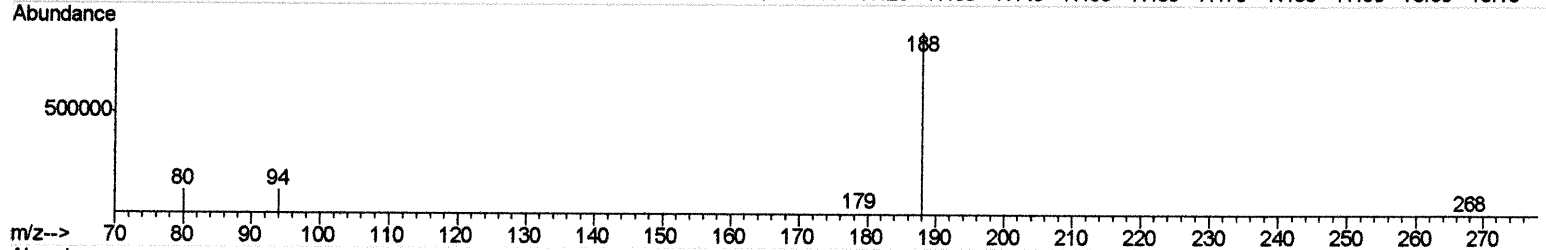
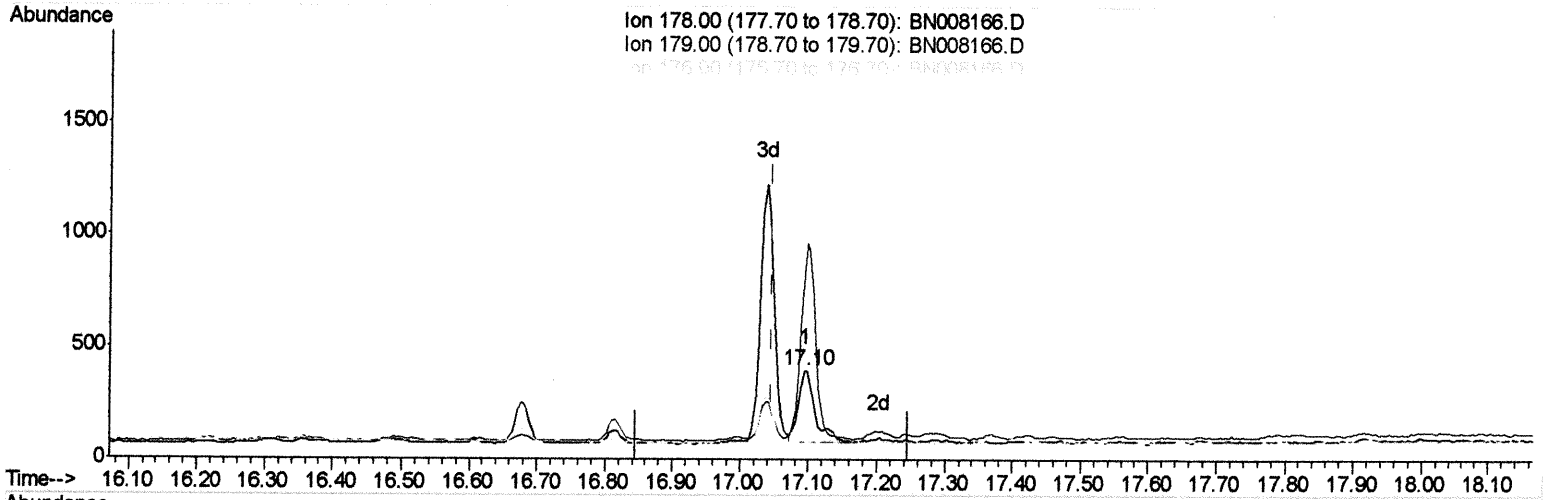
Quant Time: Oct 15 15:21:42 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 10:51:25 2019

Response via : Initial Calibration



(12) Phenanthrene

17.097min (+0.051) 0.01ng/ul

response 557

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	243.07#
176.00	19.30	20.15
0.00	0.00	0.00

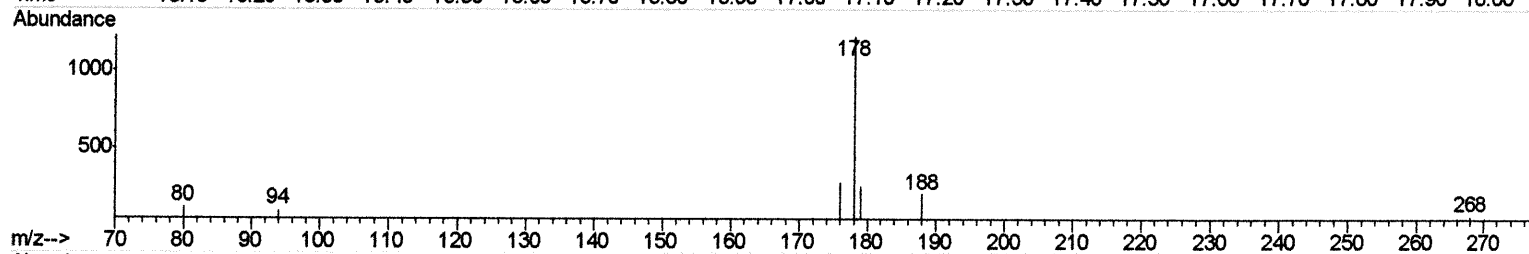
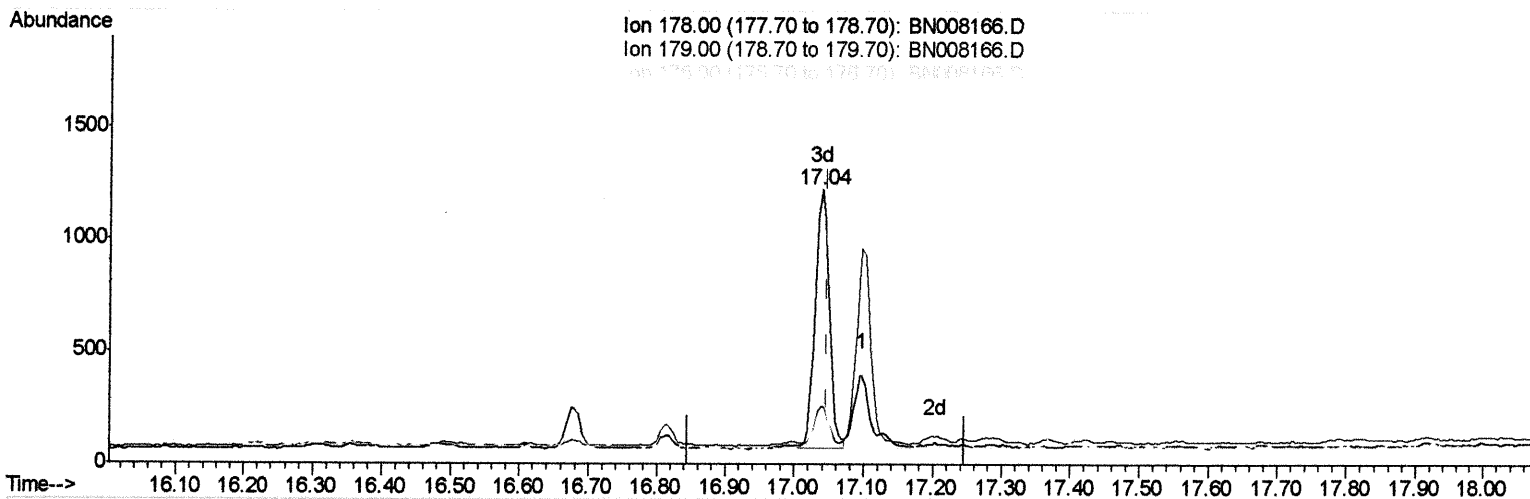
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
 Data File : BN008166.D
 Acq On : 15 Oct 2019 10:53
 Operator : JU
 Sample : K5097-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLMF4

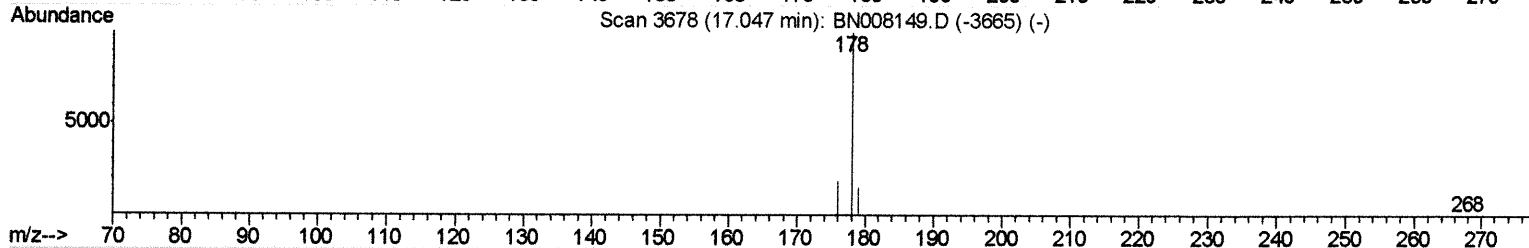
Manual Integrations
 APPROVED

mohammad
 10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:21:42 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 : Tue Oct 15 10:51:25 2019
 Response via : Initial Calibration



Scan 3678 (17.047 min): BN008149.D (-3665) (-)



TIC: BN008166.D

(12) Phenanthrene

17.038min (-0.008) 0.03ng/ul m *JU 10/16/19*

response 1620

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	21.22#
176.00	19.30	23.10
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008166.D
Acq On : 15 Oct 2019 10:53
Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMF4

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

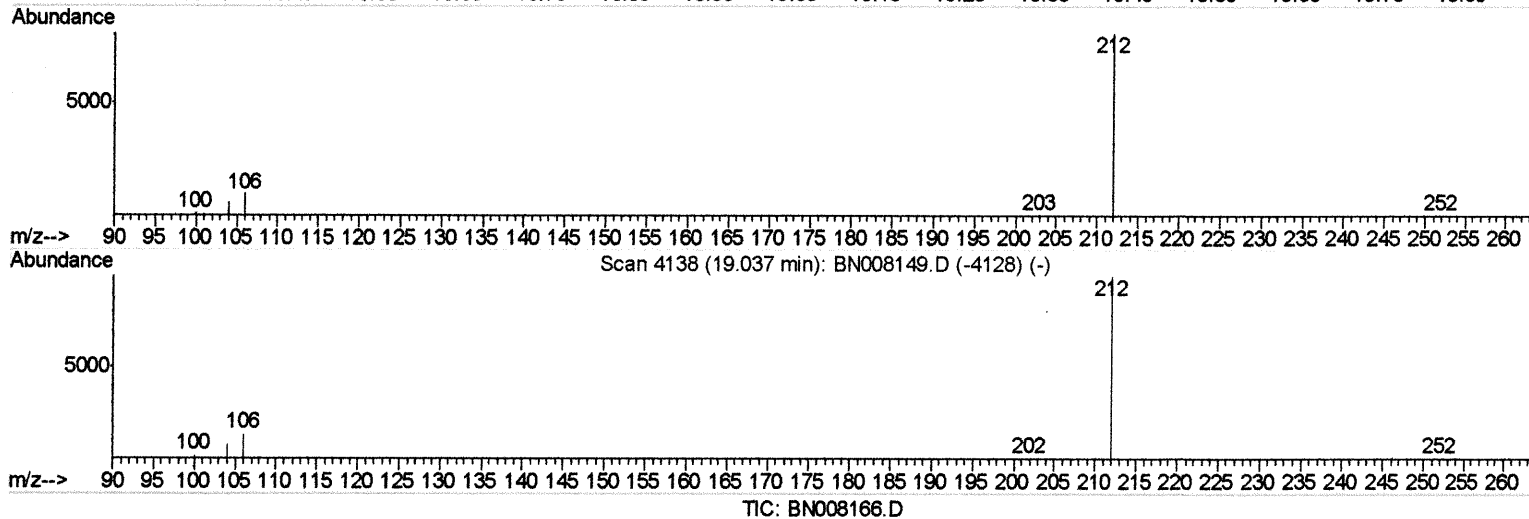
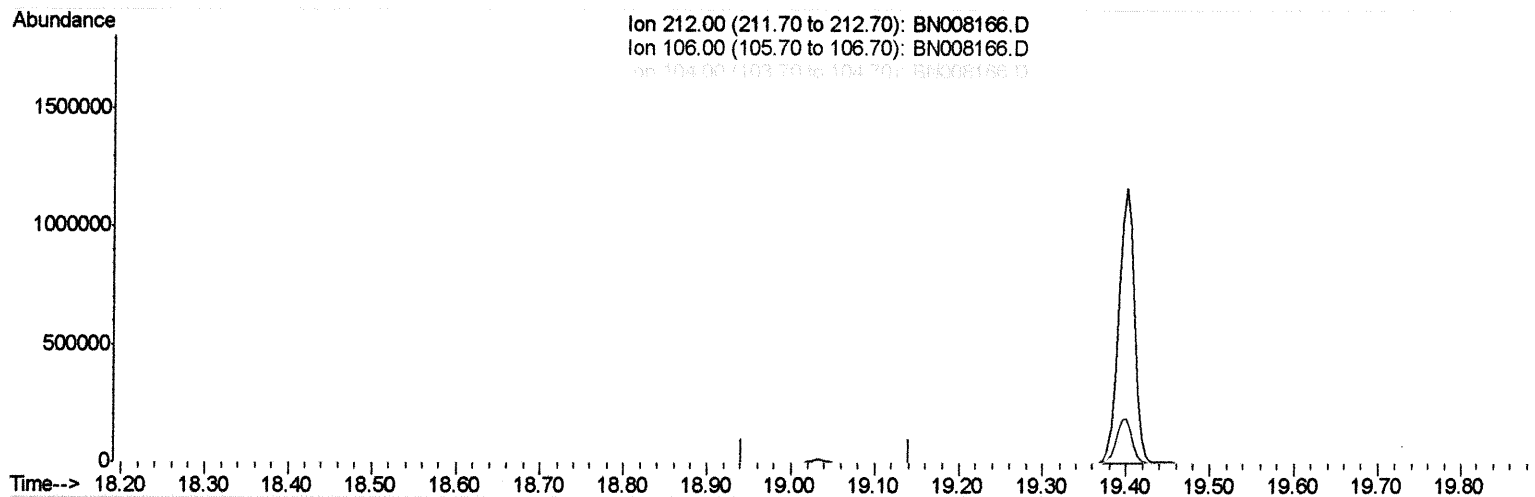
Quant Time: Oct 15 15:21:42 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 15 10:51:25 2019

Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.042min (-19.042) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

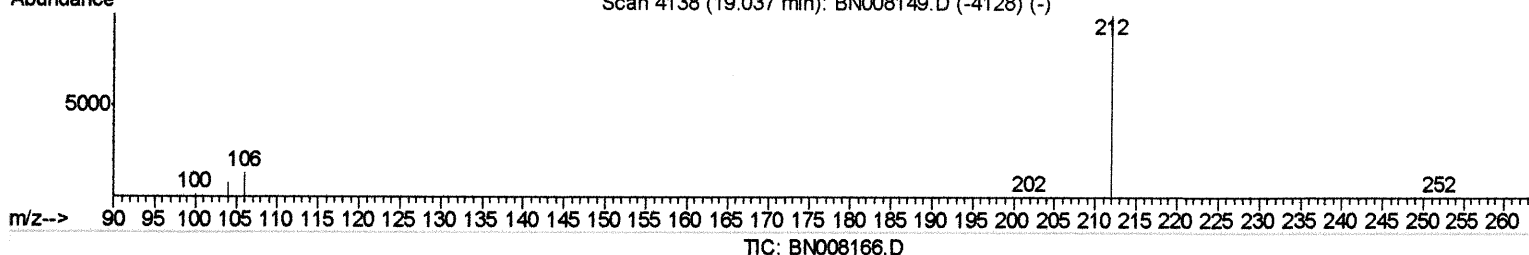
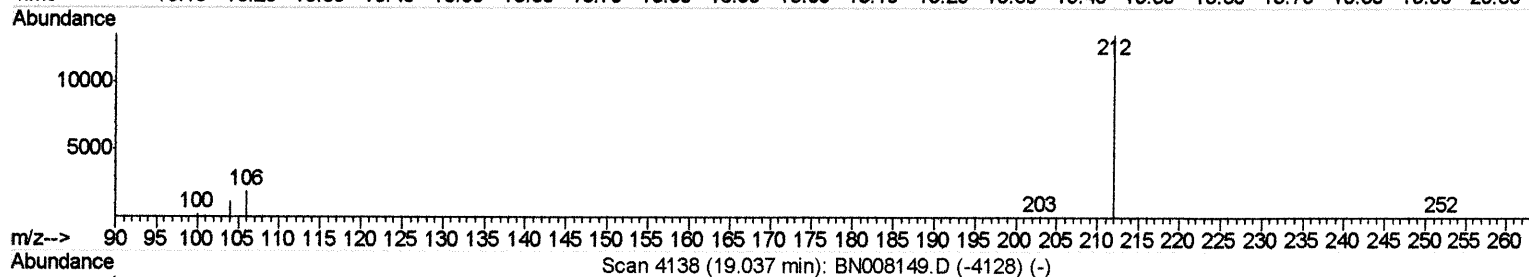
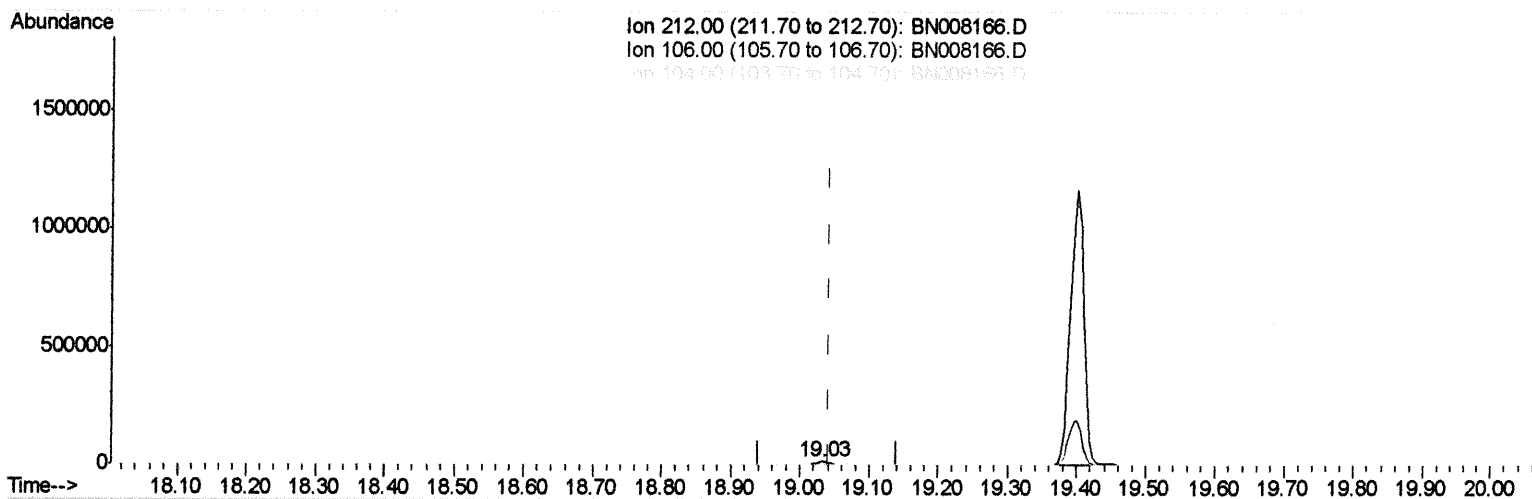
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008166.D
Acq On : 15 Oct 2019 10:53
Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMF4

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:21:42 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 : Tue Oct 15 10:51:25 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.033min (-0.009) 0.33ng/ul m *Re 10/16/19*

response 18075

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

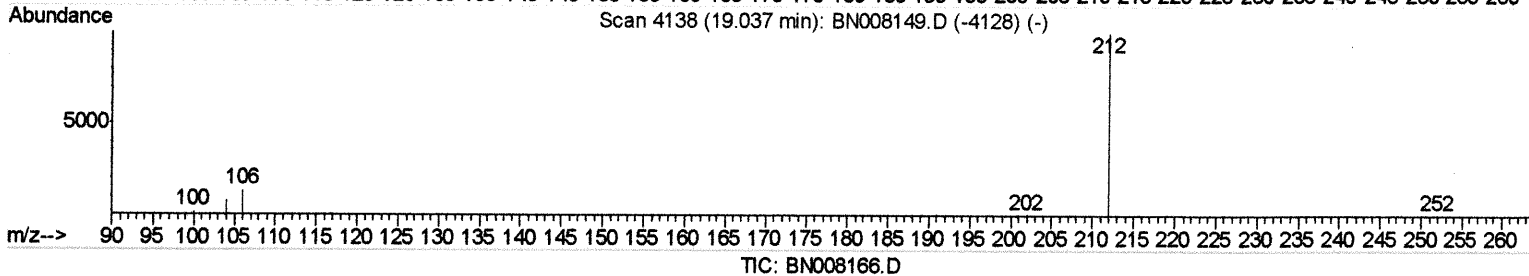
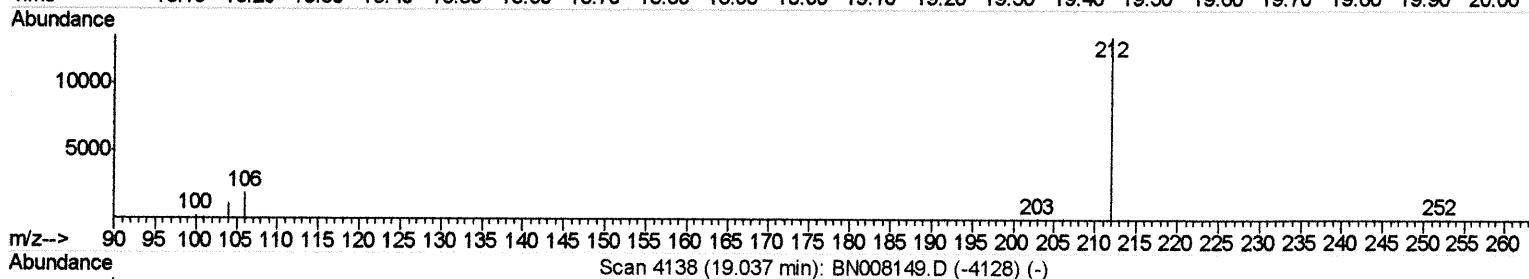
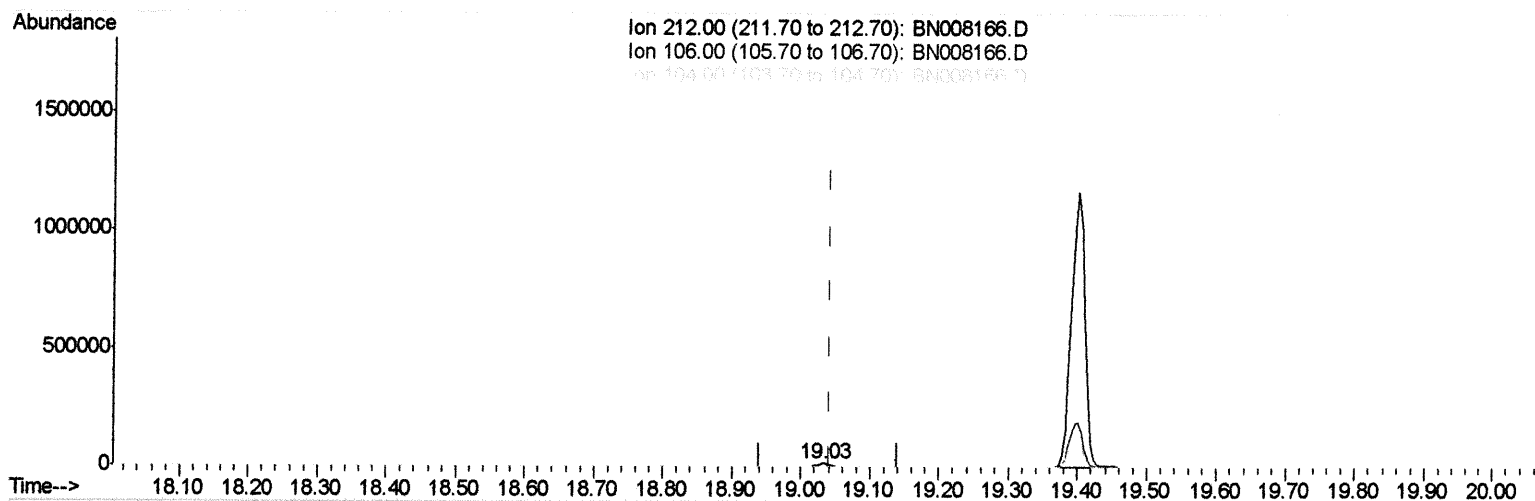
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008166.D
Acq On : 15 Oct 2019 10:53
Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMF4

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:21:42 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 : Tue Oct 15 10:51:25 2019
Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.033min (-0.009) 0.33ng/ul m *JU 10/16/19*

response 18075

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

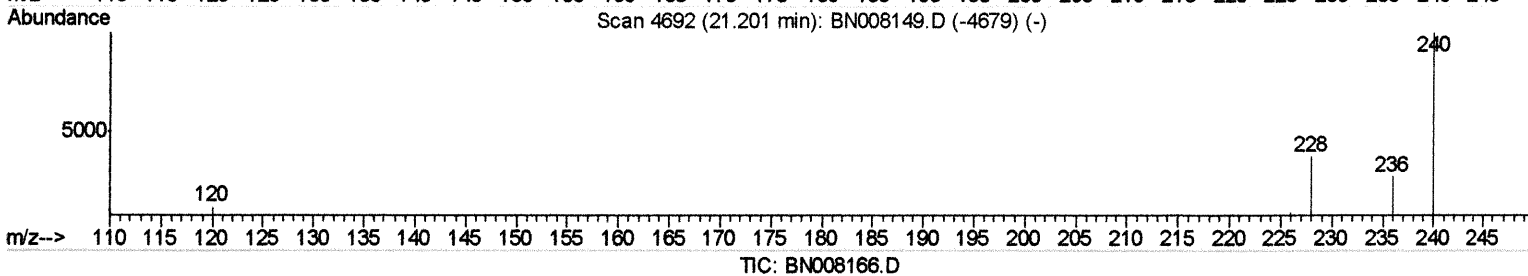
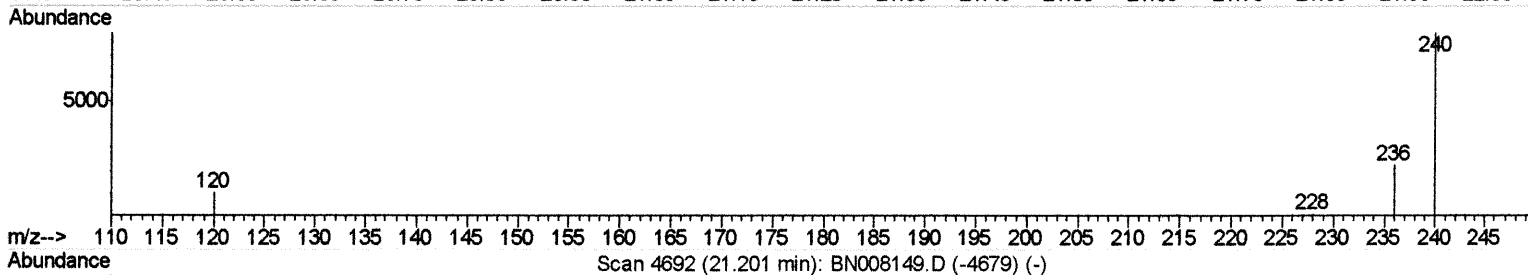
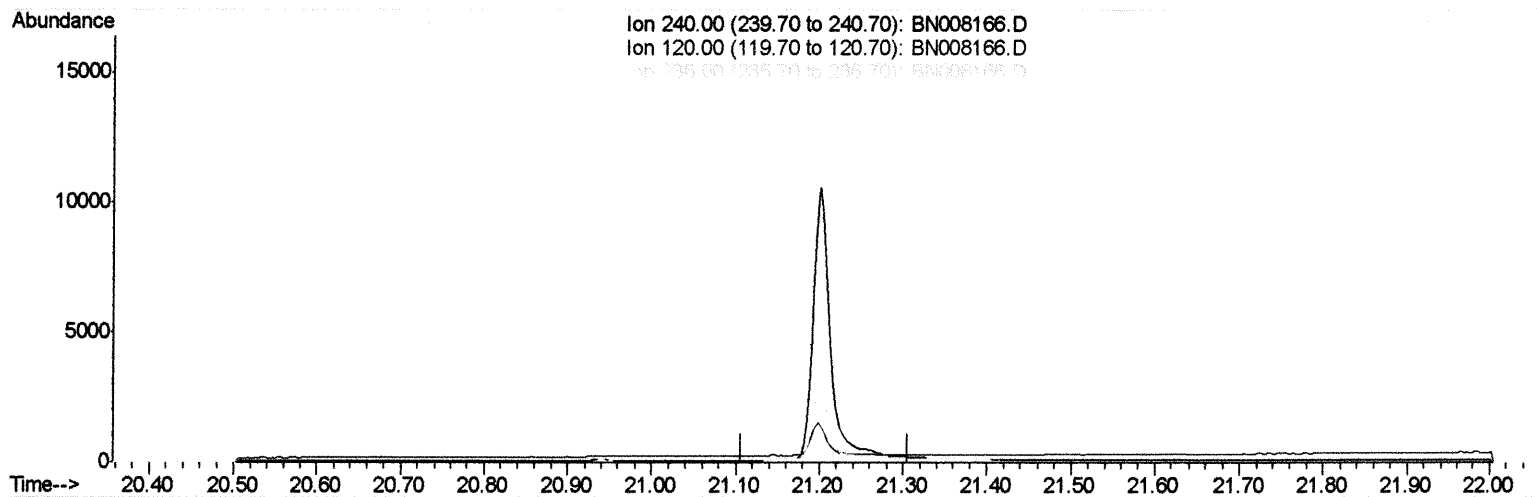
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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

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QLast Update : Tue Oct 15 10:51:25 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.207min (-21.207) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.70	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

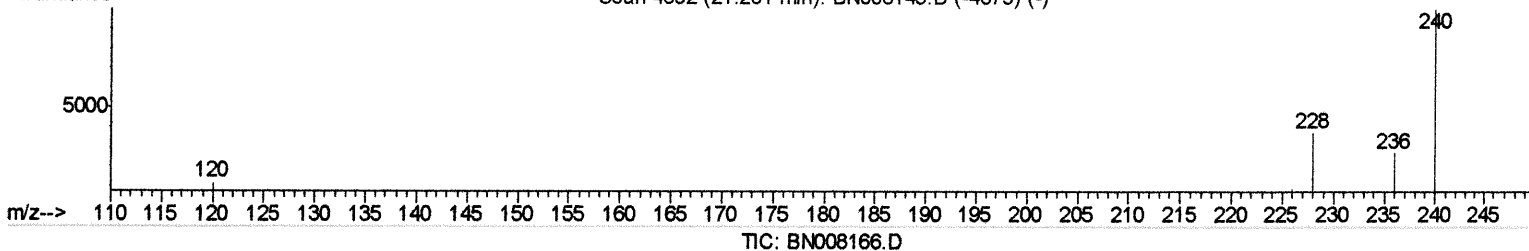
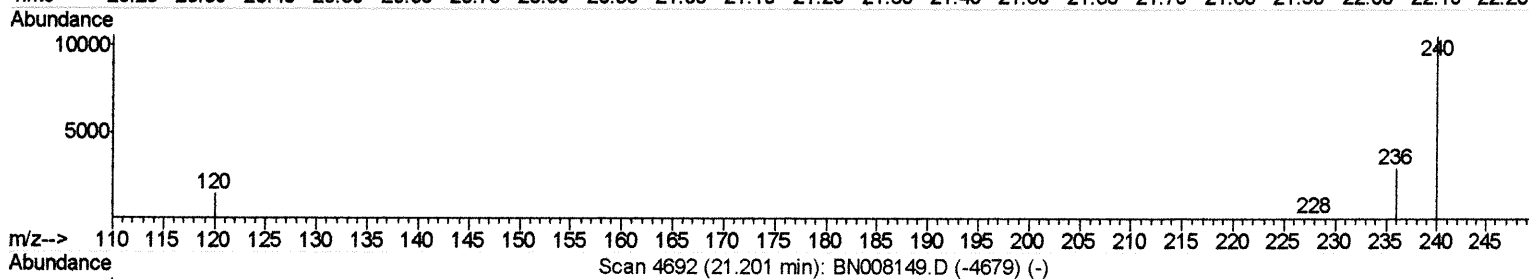
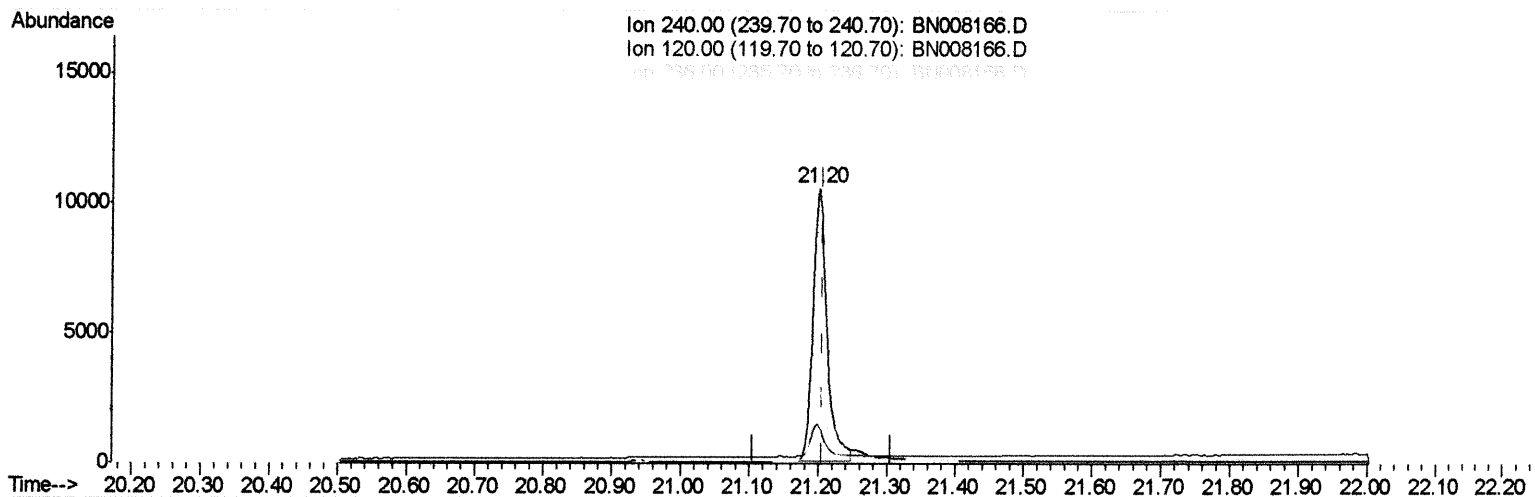
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008166.D
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Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMF4

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:21:42 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 : Tue Oct 15 10:51:25 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.201min (-0.006) 0.40ng/ul m *JU 10/16/19*
response 15186

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	13.82
236.00	28.40	28.05
0.00	0.00	0.00

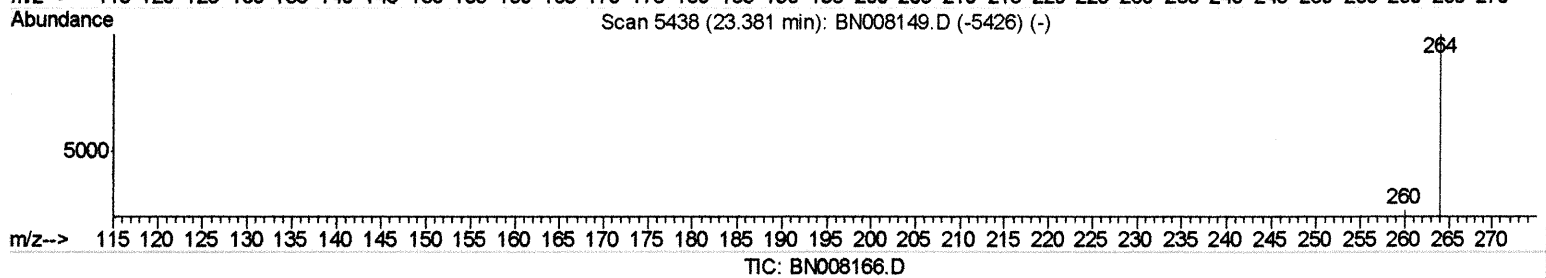
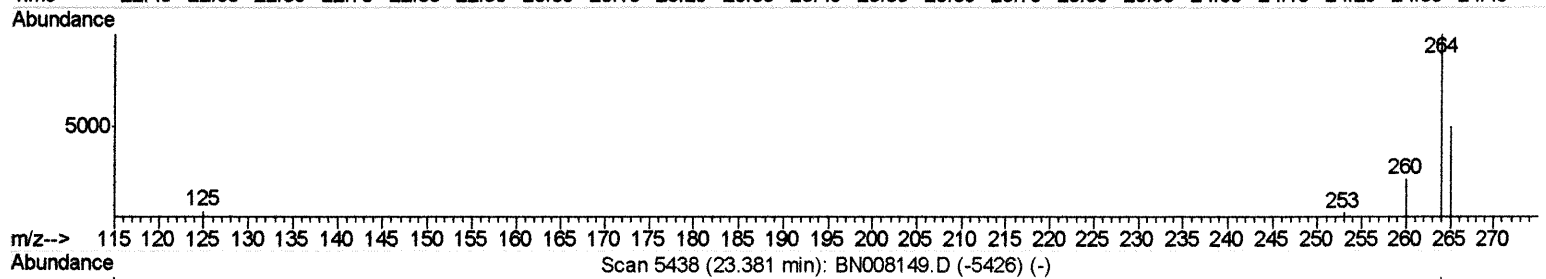
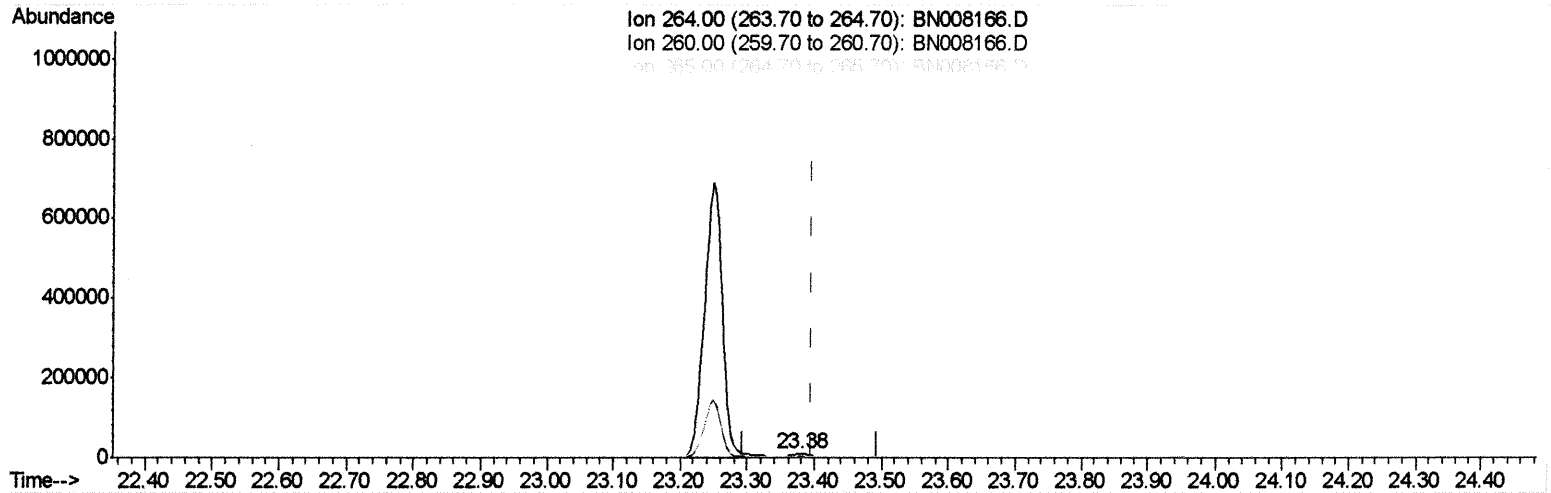
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Data File : BN008166.D
Acq On : 15 Oct 2019 10:53
Operator : JU
Sample : K5097-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMF4

Manual Integrations
APPROVED

mohammad
10/16/2019 4:07:16 PM

Quant Time: Oct 15 15:23:00 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 : Tue Oct 15 10:51:25 2019
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.378min (-0.017) 0.40ng/ul

response 19716

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	24.20
265.00	74.00	51.87#
0.00	0.00	0.00

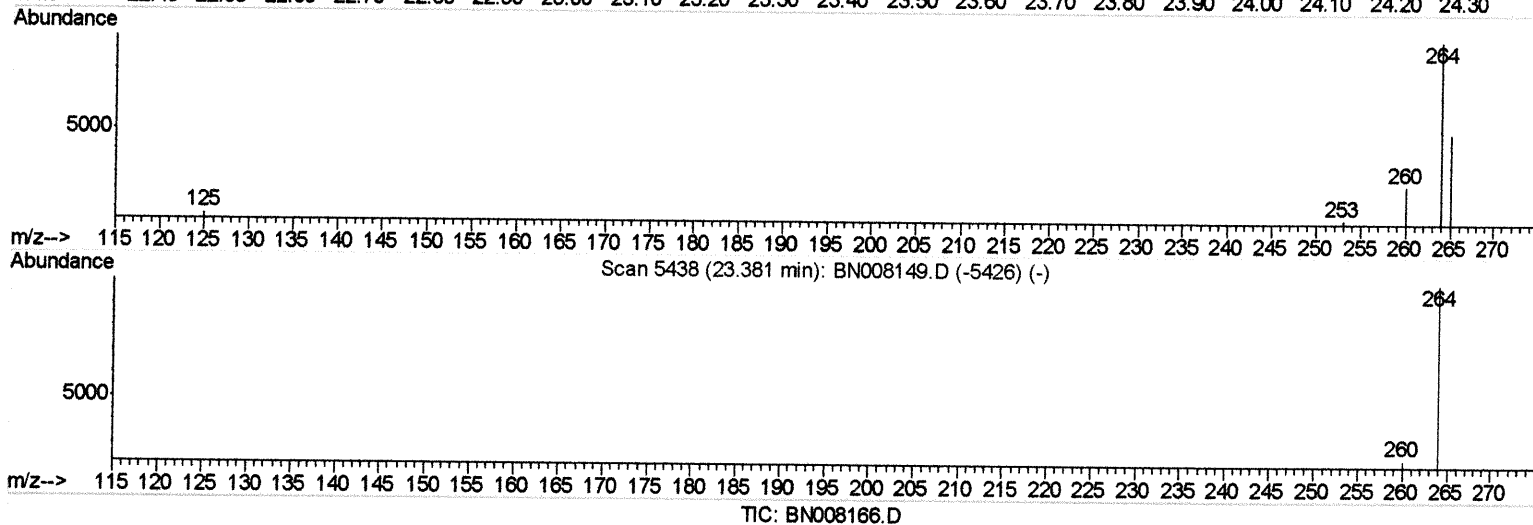
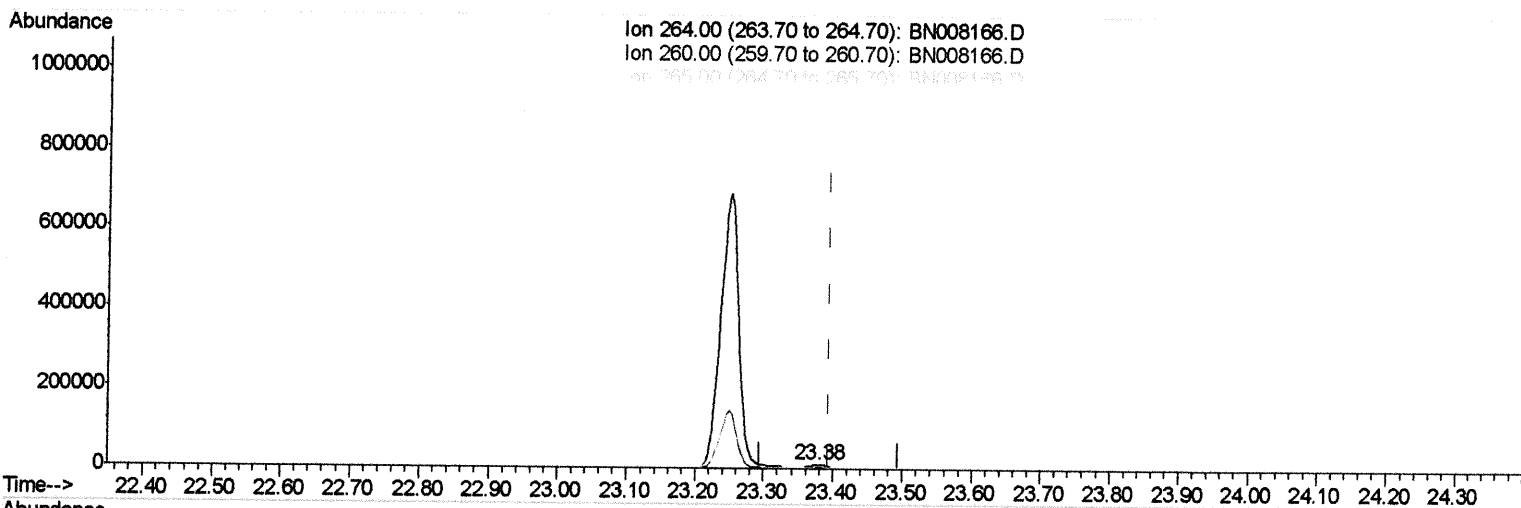
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Instrument :
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Manual Integrations
 APPROVED

mohammad
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(20) Perylene-d12 (I)

23.378min (-0.017) 0.40ng/ul m *JU 10/16/19*

response 10807

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	24.20
265.00	74.00	51.87#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
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Manual Integrations
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 QLast Update : Tue Oct 15 10:51:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2134	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	10431	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.25	164	6726	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	15854m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	15186m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	10807m	0.40	ng/ul	-0.02

Re 10/16/19

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.98	152	5585	0.32	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	18075m	0.33	ng/ul	0.00

Re 10/16/19

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.43	128	1069	0.036	ng/ul#	81
5) 2-Methylnaphthalene	12.06	142	1266	0.062	ng/ul	98
12) Phenanthrene	17.04	178	1620m	0.035	ng/ul	>

Re 10/16/19

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