

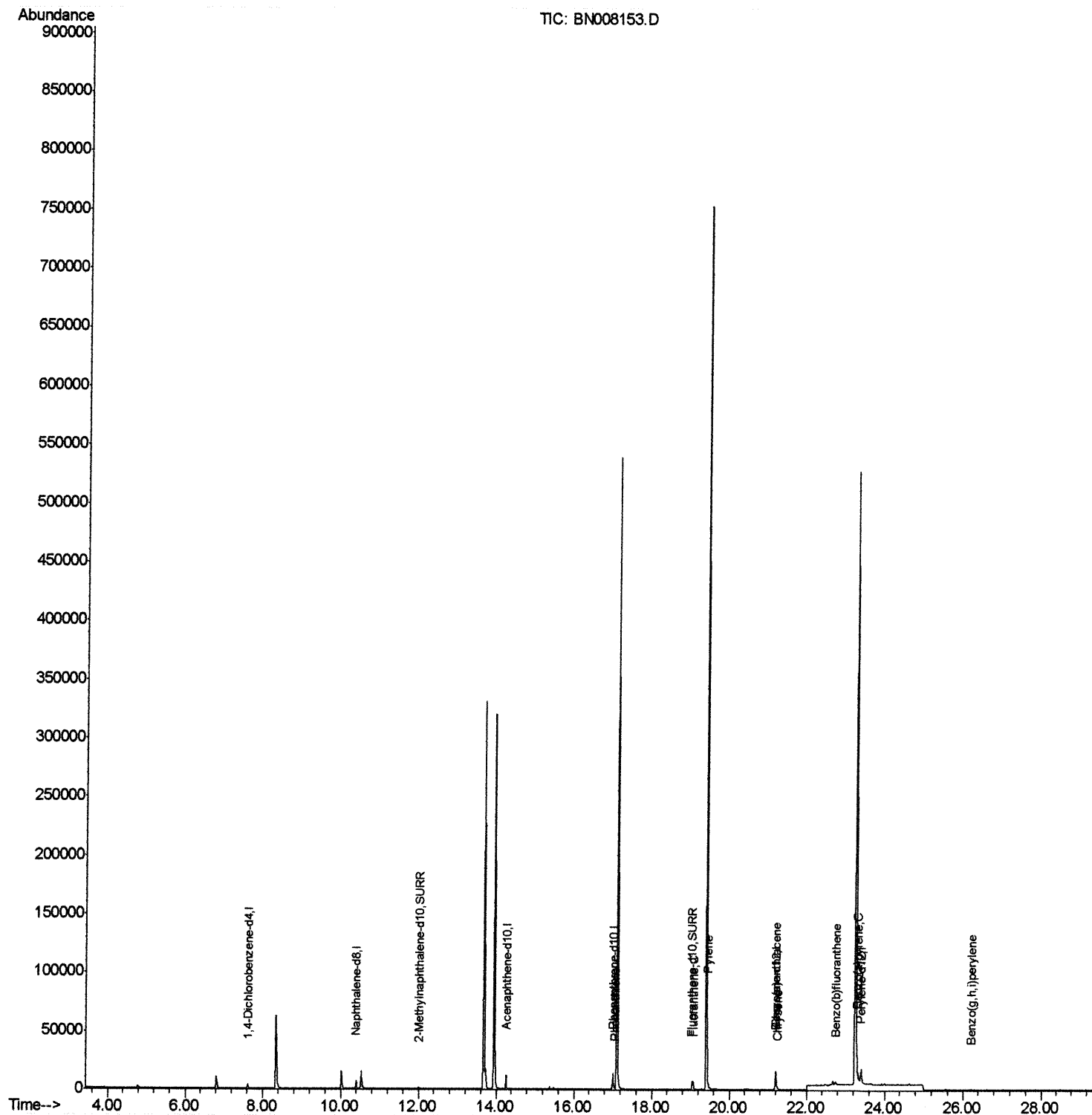
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008153.D
Acq On : 15 Oct 2019 02:59
Operator : JU
Sample : K5097-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMA5

Manual Integrations
APPROVED

mohammad
10/15/2019 1:30:34 PM

Quant Time: Oct 15 04:33:08 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 14 17:19:29 2019
Response via : Initial Calibration



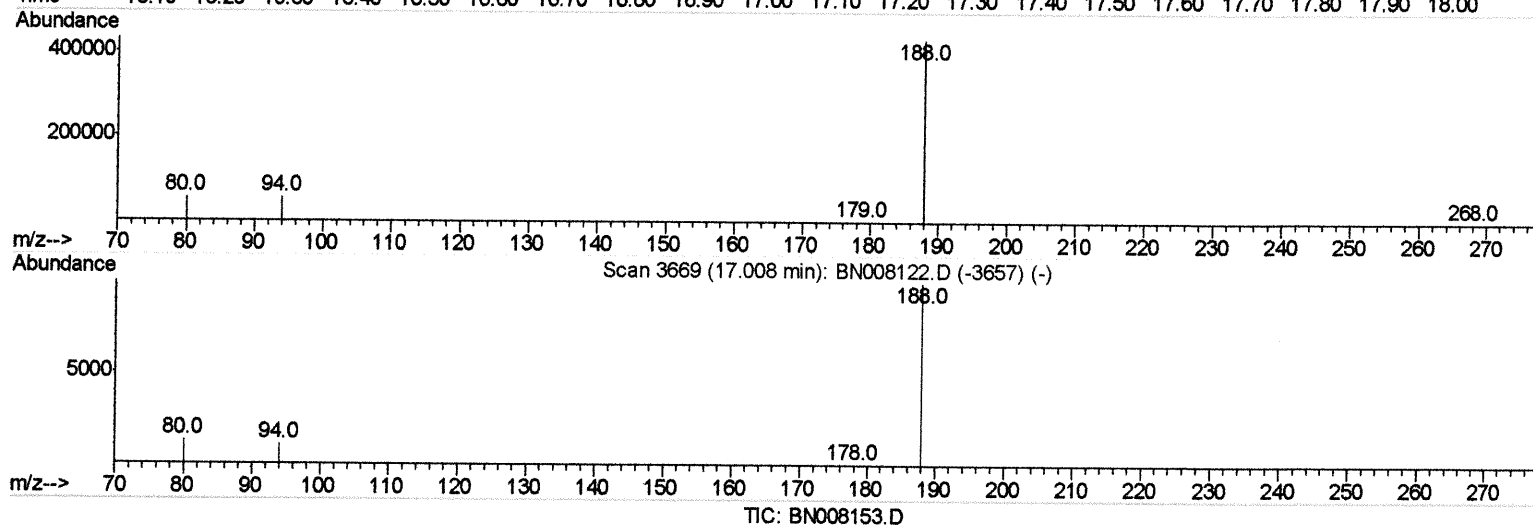
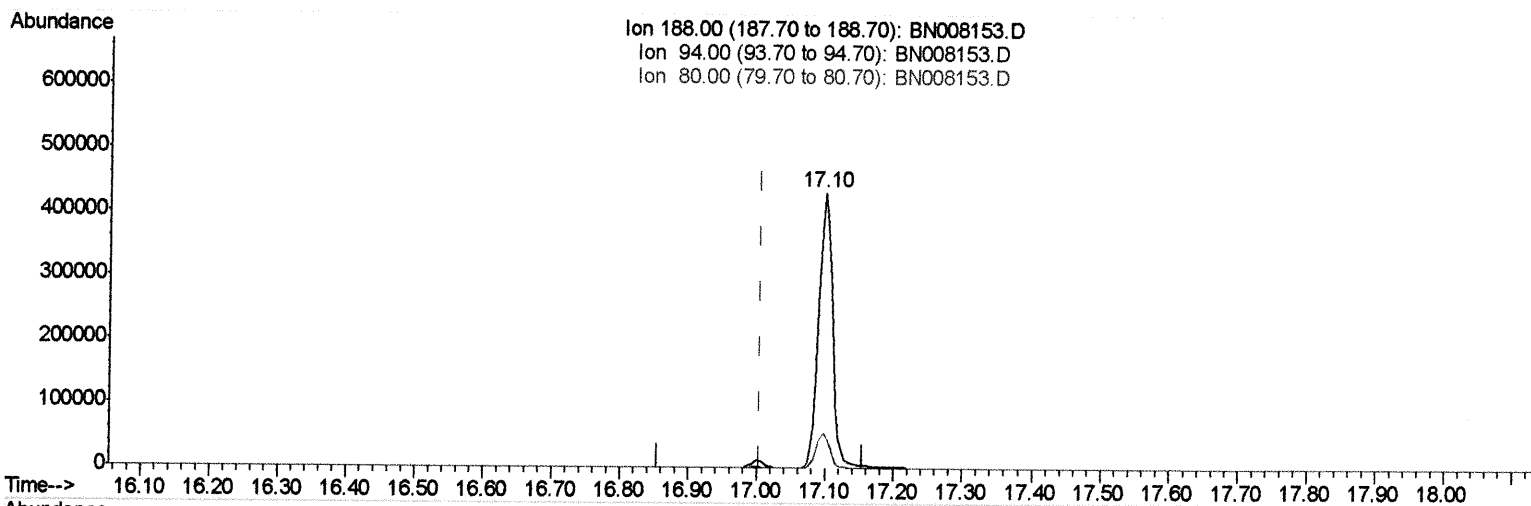
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
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BNA_N
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
10/15/2019 1:30:34 PM

Quant Time: Oct 15 04:28:14 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 14 17:19:29 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.097min (+0.093) 0.40ng/ul

response 600520

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.56
80.00	12.60	12.37
0.00	0.00	0.00

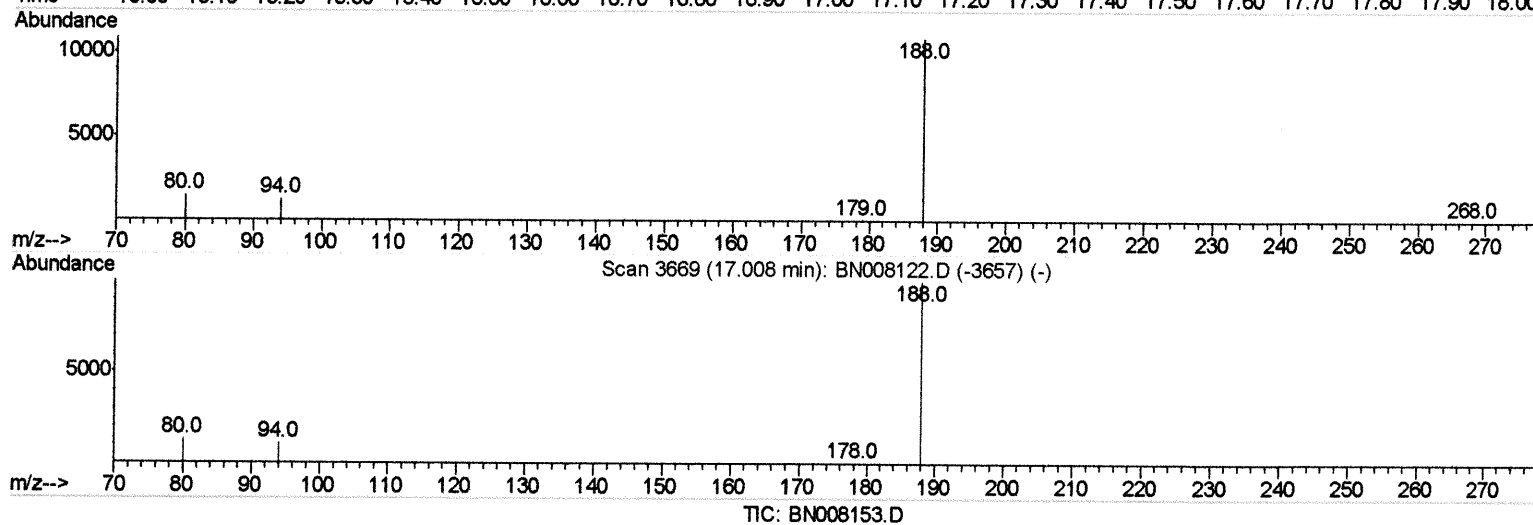
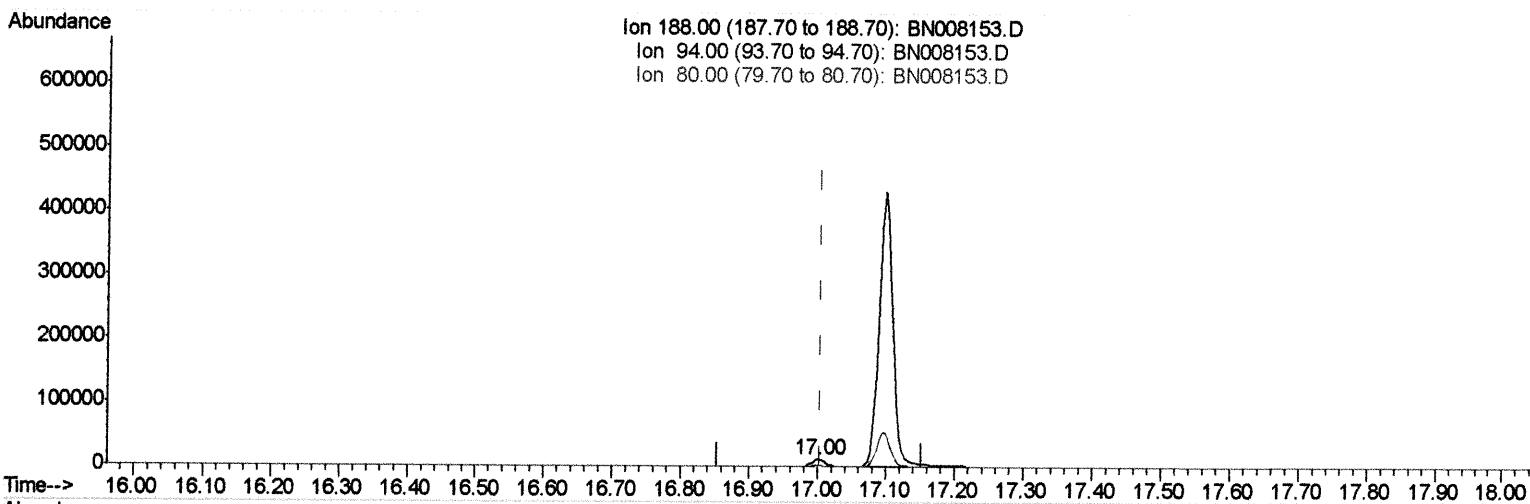
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008153.D
Acq On : 15 Oct 2019 02:59
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Sample : K5097-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

mohammad
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Quant Time: Oct 15 04:28:14 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 14 17:19:29 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.000min (-0.004) 0.40ng/ul m *ru 10/16/19*

response 15903

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.65
80.00	12.60	13.67
0.00	0.00	0.00

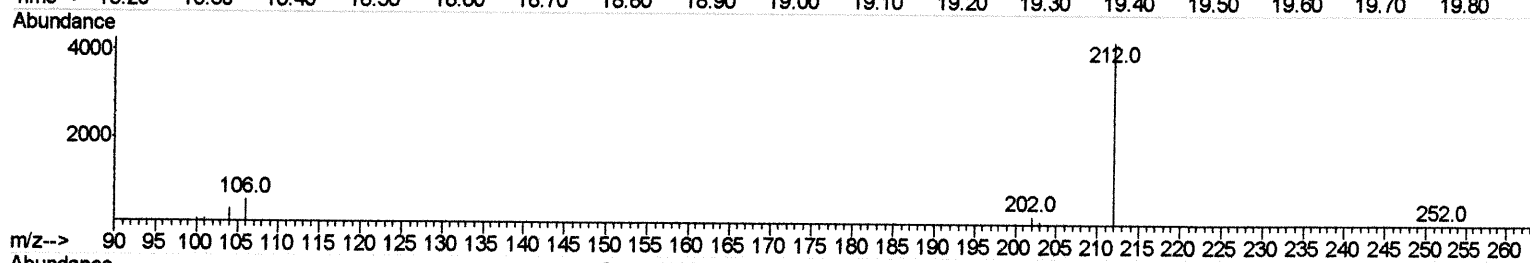
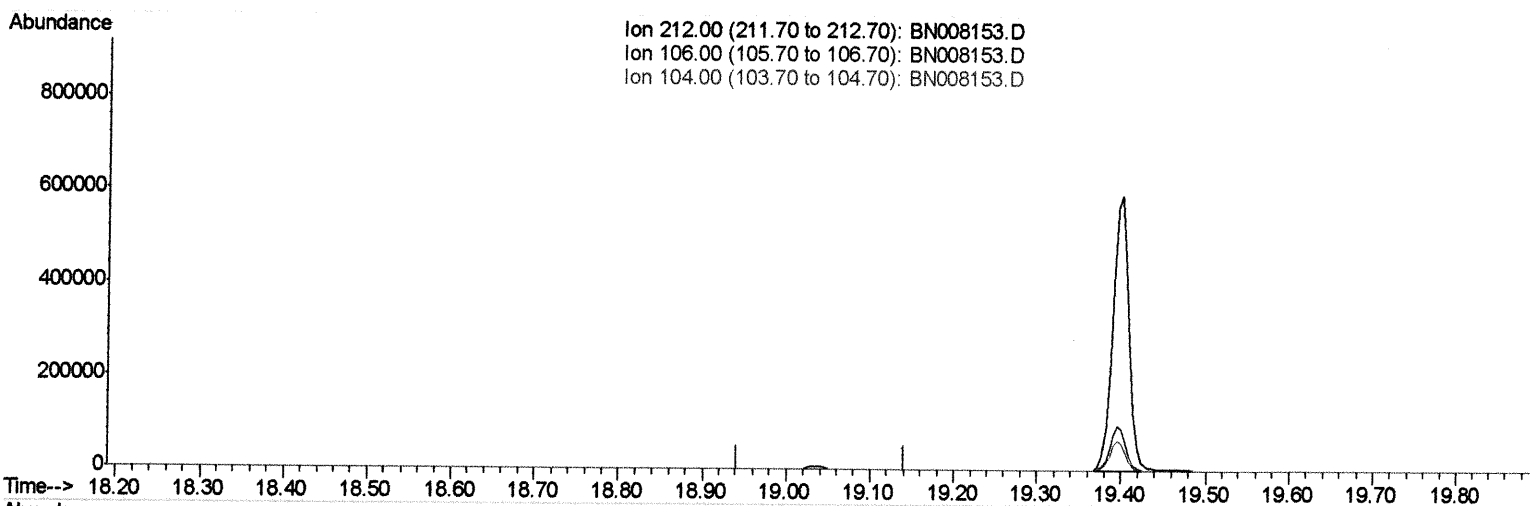
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008153.D
Acq On : 15 Oct 2019 02:59
Operator : JU
Sample : K5097-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMA5

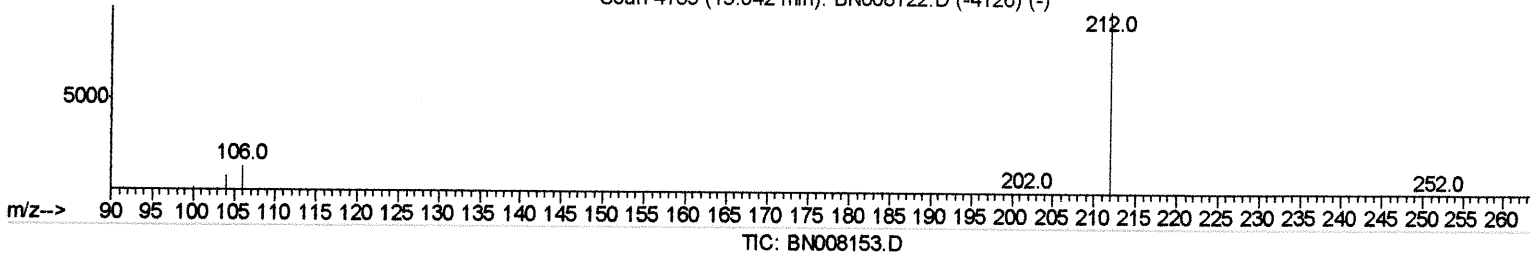
Manual Integrations
APPROVED

mohammad
10/15/2019 1:30:34 PM

Quant Time: Oct 15 04:29:30 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 14 17:19:29 2019
Response via : Initial Calibration



Scan 4139 (19.042 min): BN008122.D (-4126) (-)



(14) Fluoranthene-d10 (SURR)

19.042min (-19.042) 0.00ng/ui

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 : BN008153.D

Acq On : 15 Oct 2019 02:59

Operator : JU

Sample : K5097-04

Misc :

ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

JLMA5

Manual Integrations
APPROVEDmohammad
10/15/2019 1:30:34 PM

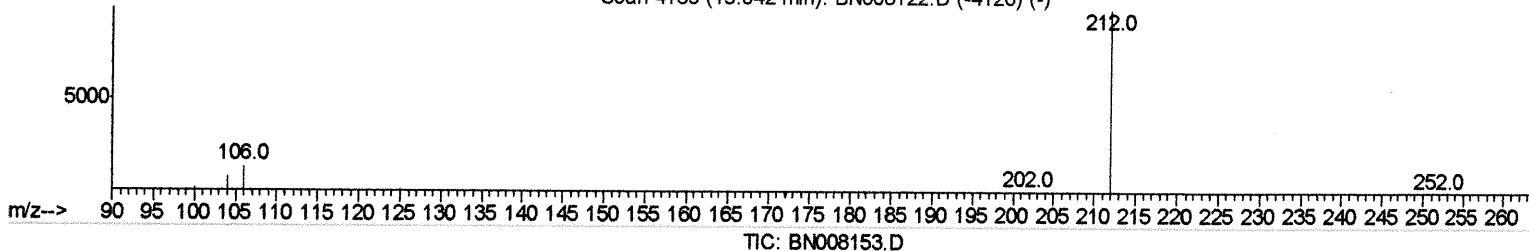
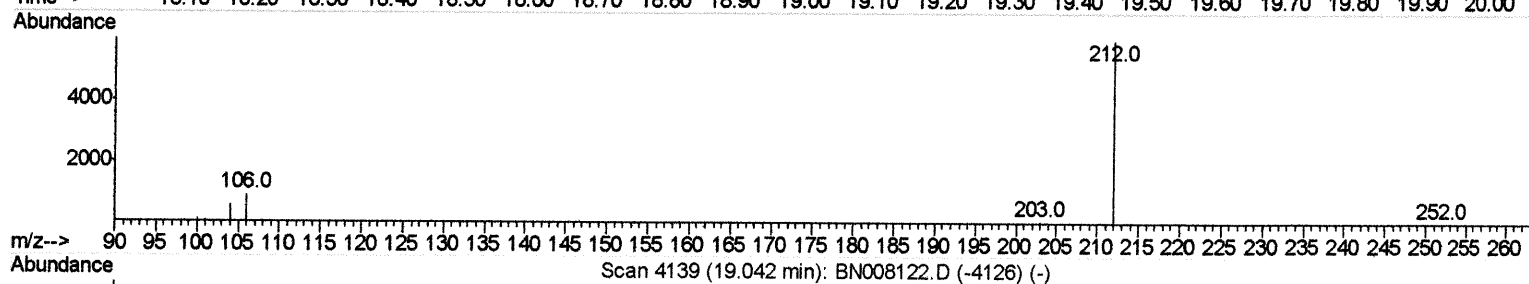
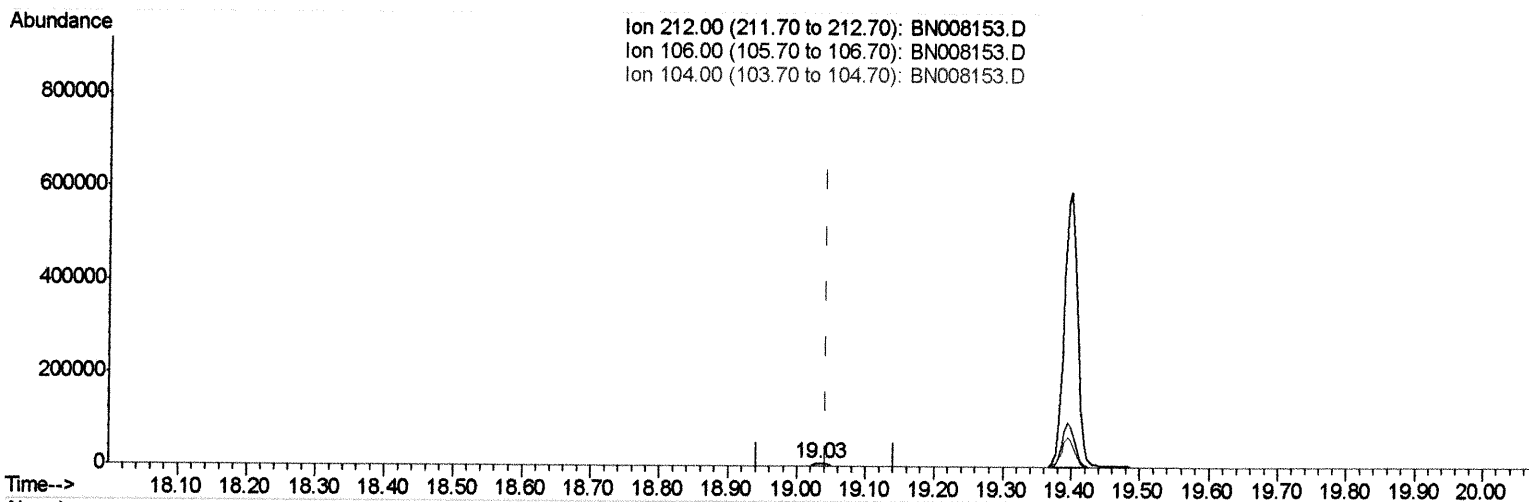
Quant Time: Oct 15 04:29:30 2019

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 14 17:19:29 2019

Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.032min (-0.009) 0.15ng/ul m

ju 10/16/19

response 8300

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 : BN008153.D

Acq On : 15 Oct 2019 02:59

Operator : JU

Sample : K5097-04

Misc :

ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

JLMA5

Manual Integrations
APPROVEDmohammad
10/15/2019 1:30:34 PM

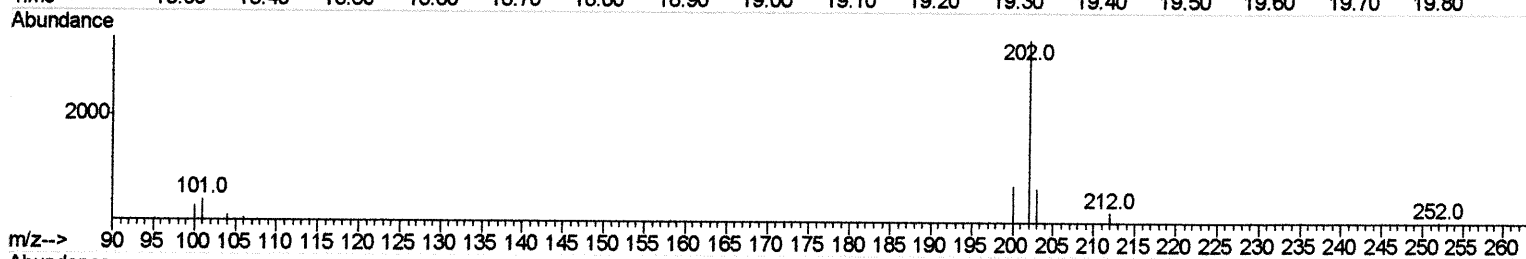
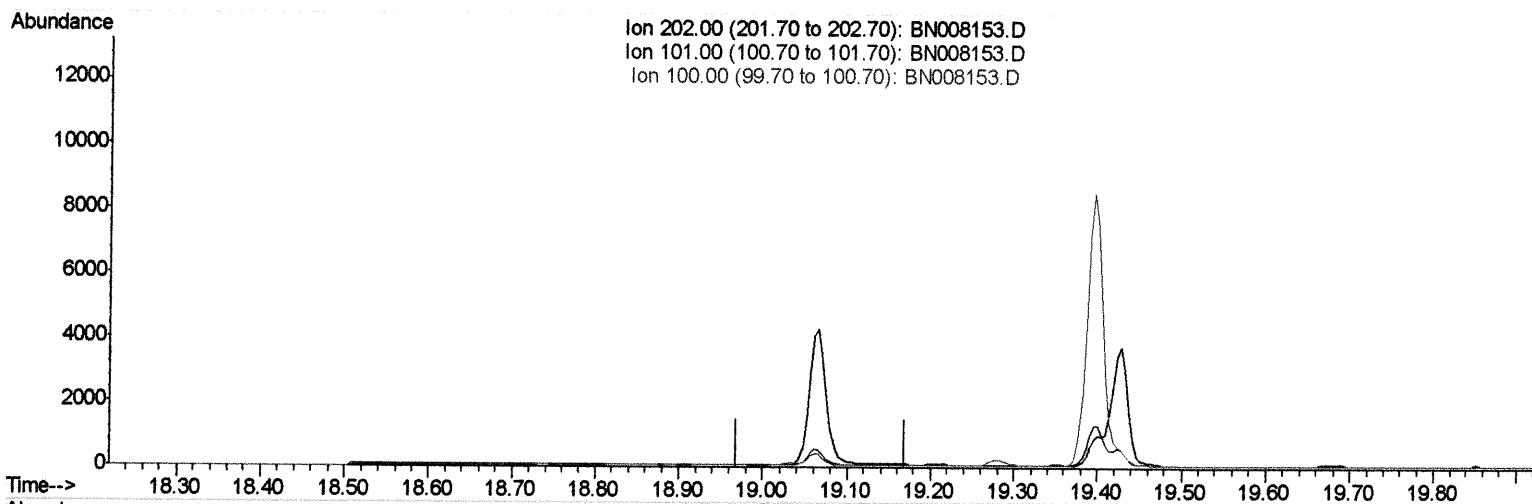
Quant Time: Oct 15 04:29:30 2019

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

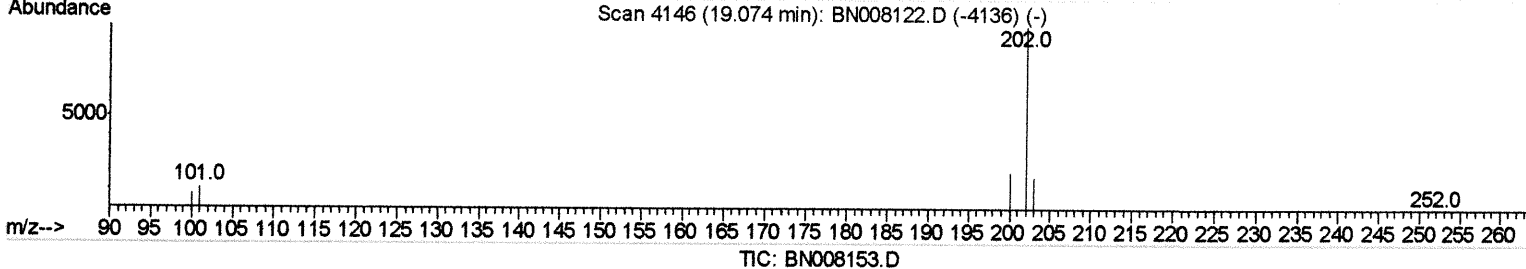
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 14 17:19:29 2019

Response via : Initial Calibration



Scan 4146 (19.074 min): BN008122.D (-4136) (-)



(15) Fluoranthene (C)

19.070min (-19.070) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	11.20	0.00
100.00	8.50	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\

Data File : BN008153.D

Acq On : 15 Oct 2019 02:59

Operator : JU

Sample : K5097-04

Misc :

ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

JLMA5

Manual Integrations
APPROVEDmohammad
10/15/2019 1:30:34 PM

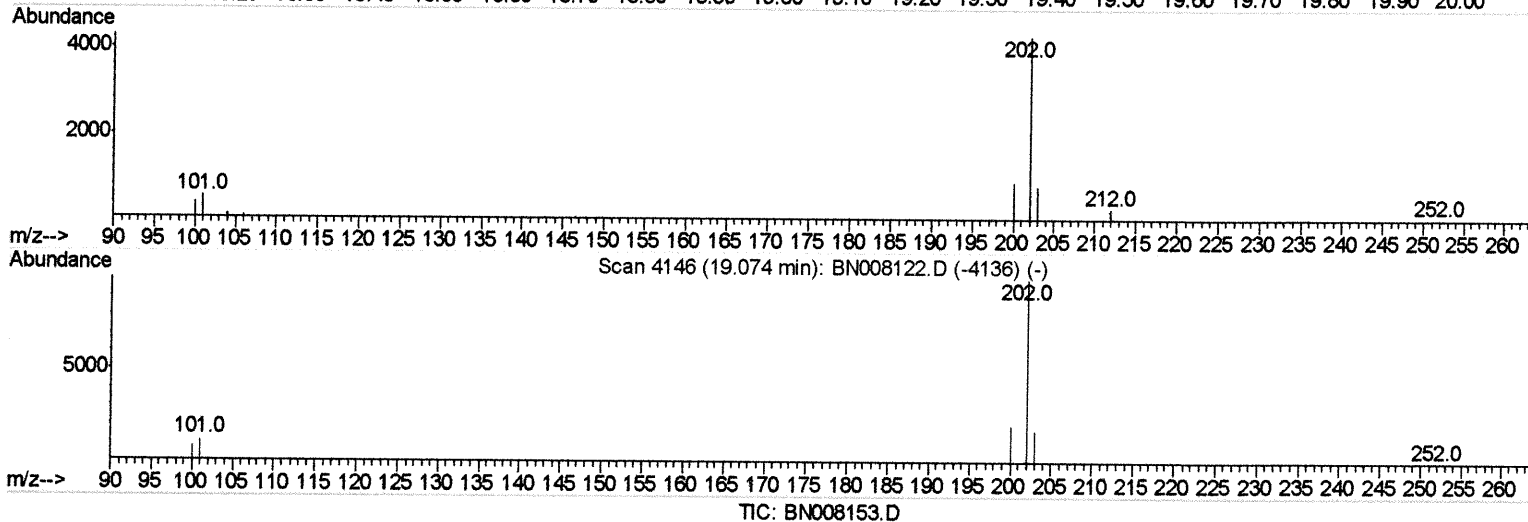
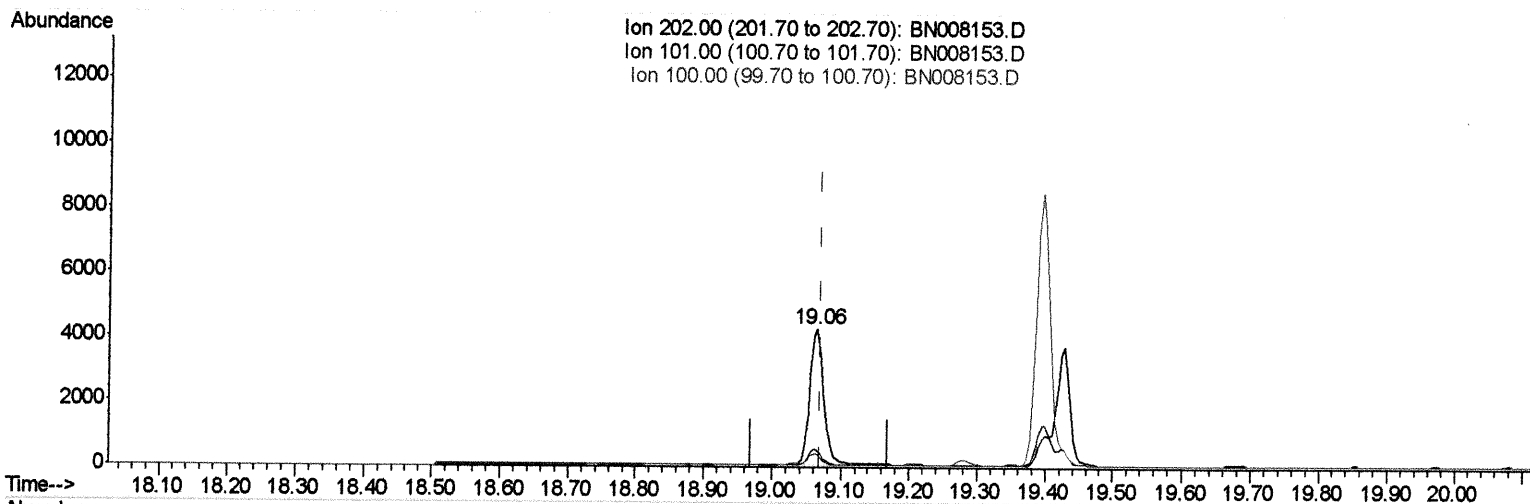
Quant Time: Oct 15 04:29:30 2019

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 14 17:19:29 2019

Response via : Initial Calibration



(15) Fluoranthene (C)

19.065min (-0.005) 0.10ng/ul m JU 10/16/19

response 6038

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	12.79
100.00	8.50	9.82
0.00	0.00	0.00

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Data File : BN008153.D

Acq On : 15 Oct 2019 02:59

Operator : JU

Sample : K5097-04

Misc :

ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

JLMA5

Manual Integrations
APPROVEDmohammad
10/15/2019 1:30:34 PM

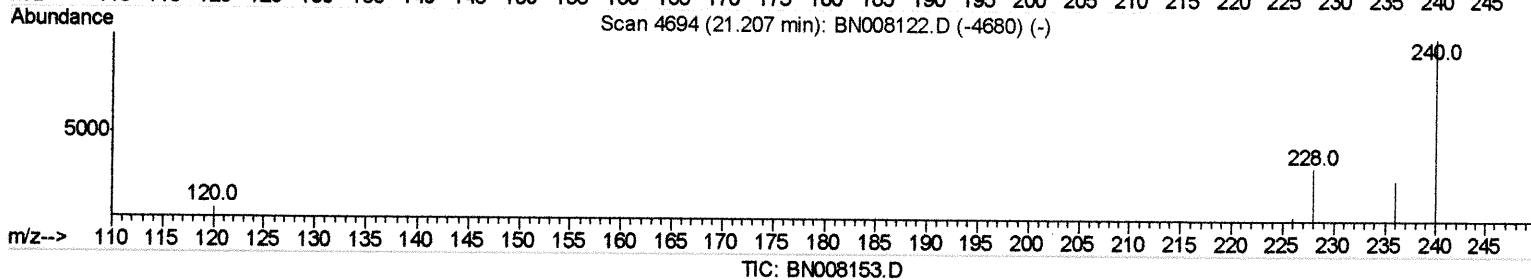
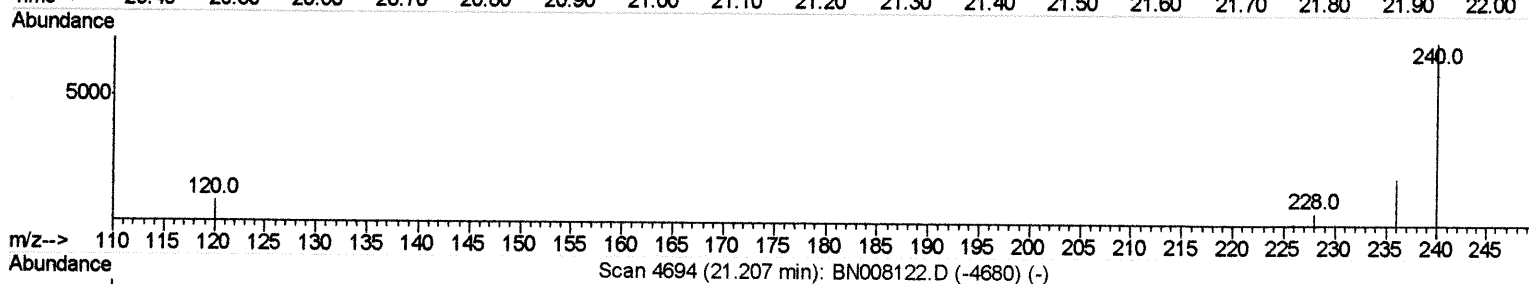
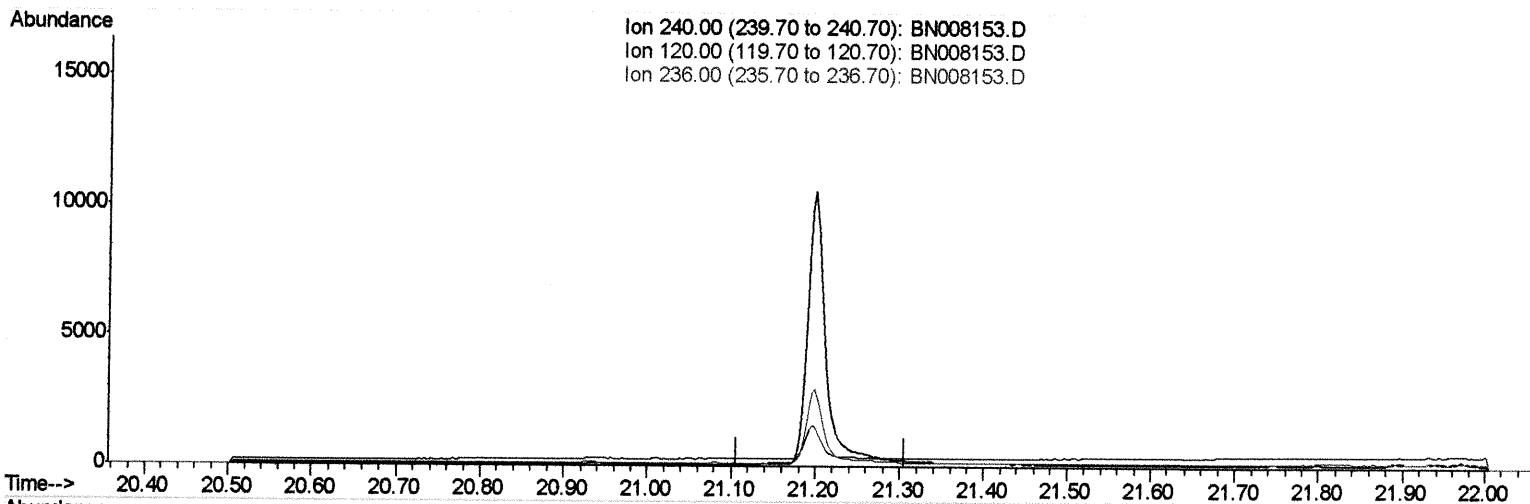
Quant Time: Oct 15 04:29:30 2019

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 14 17:19:29 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

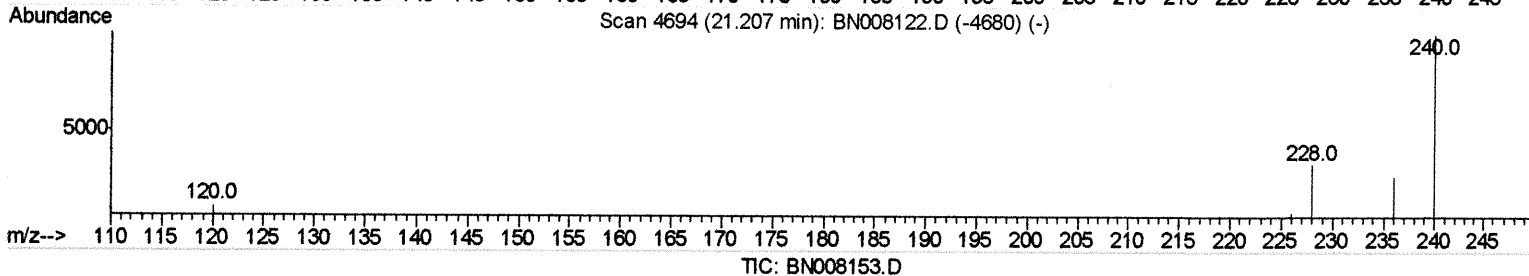
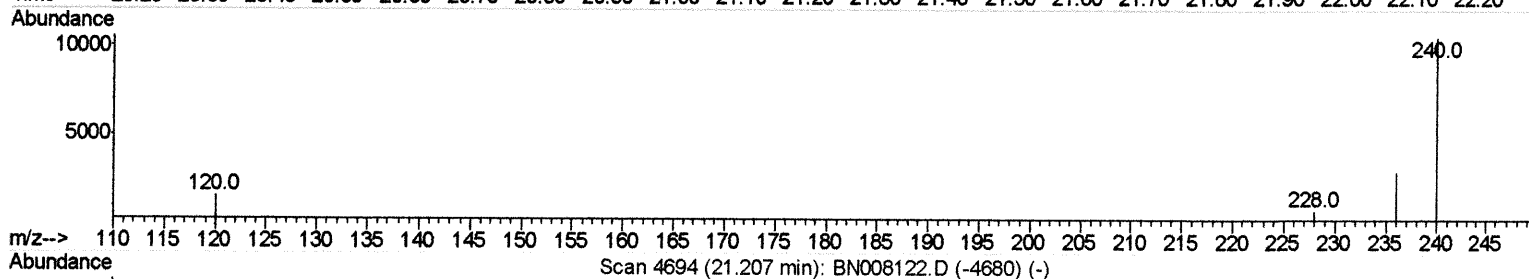
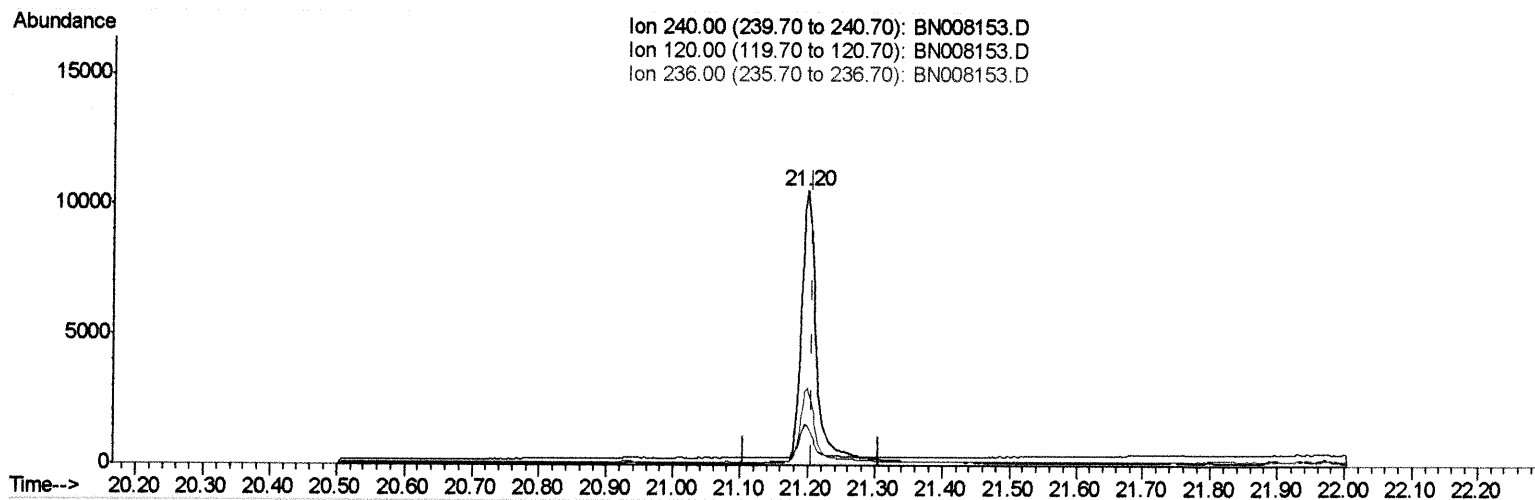
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008153.D
Acq On : 15 Oct 2019 02:59
Operator : JU
Sample : K5097-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMA5

Manual Integrations
APPROVED

mohammad
10/15/2019 1:30:34 PM

Quant Time: Oct 15 04:29:30 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 14 17:19:29 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.198min (-0.009) 0.40ng/ul m JU 10/16/19

response 16553

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.47
236.00	28.40	28.01
0.00	0.00	0.00

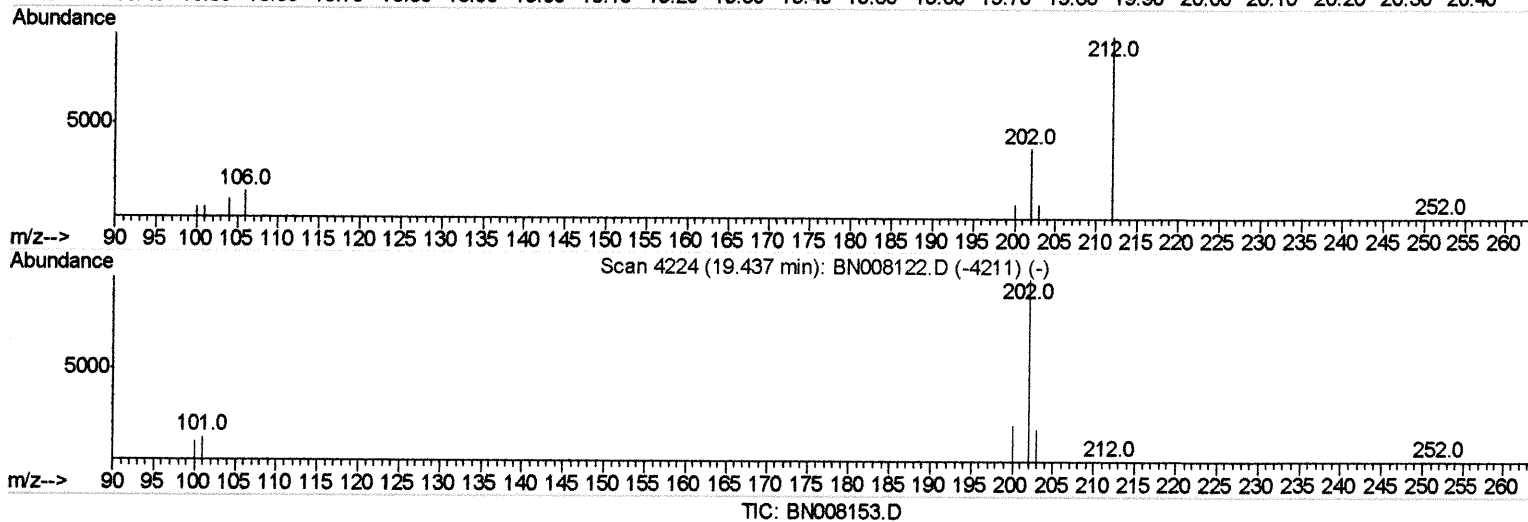
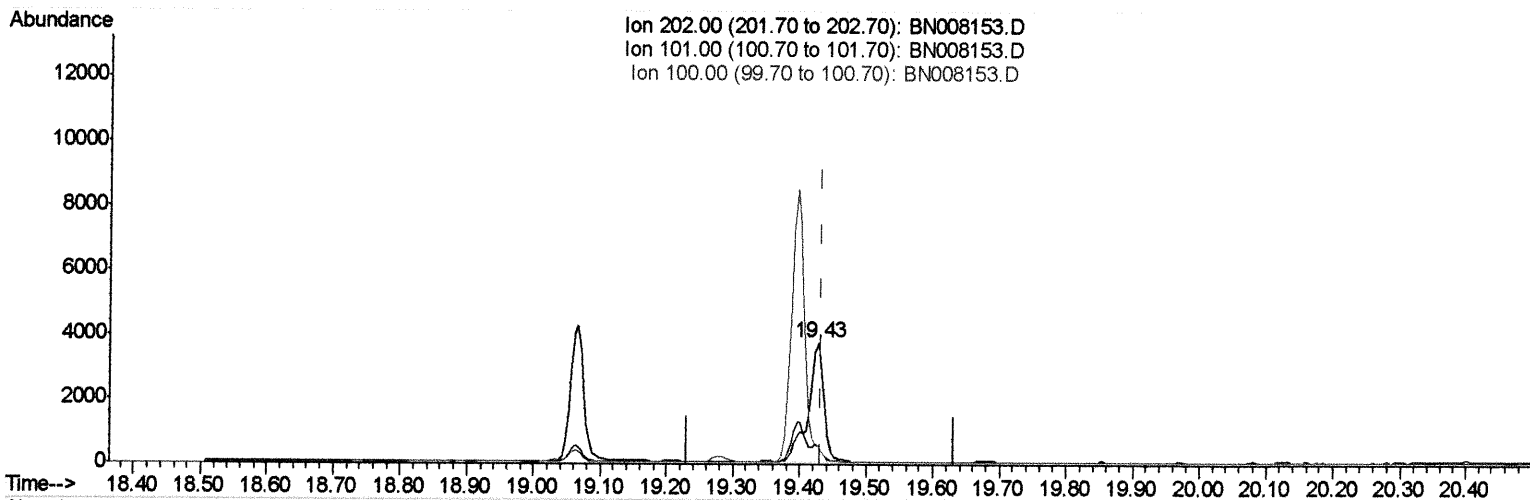
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008153.D
Acq On : 15 Oct 2019 02:59
Operator : JU
Sample : K5097-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMA5

Manual Integrations
APPROVED

mohammad
10/15/2019 1:30:34 PM

Quant Time: Oct 15 04:31:33 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



(17) Pyrene

19.427min (-0.005) 0.09ng/ul

response 6167

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	15.78
100.00	10.90	14.98#
0.00	0.00	0.00

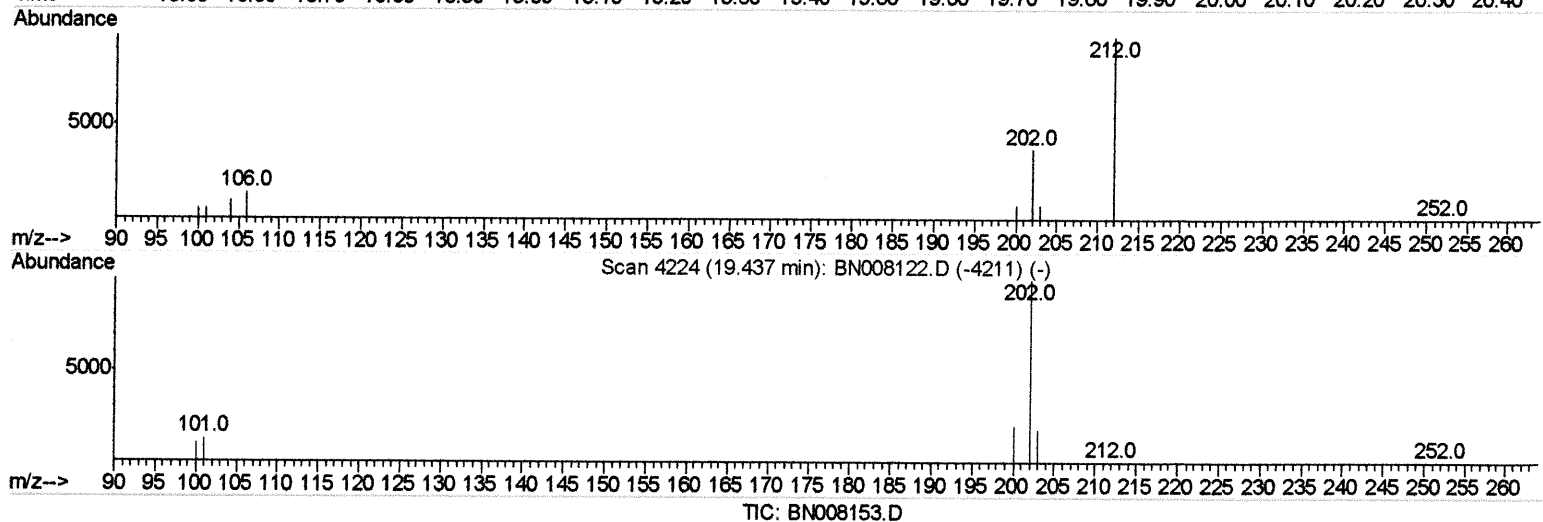
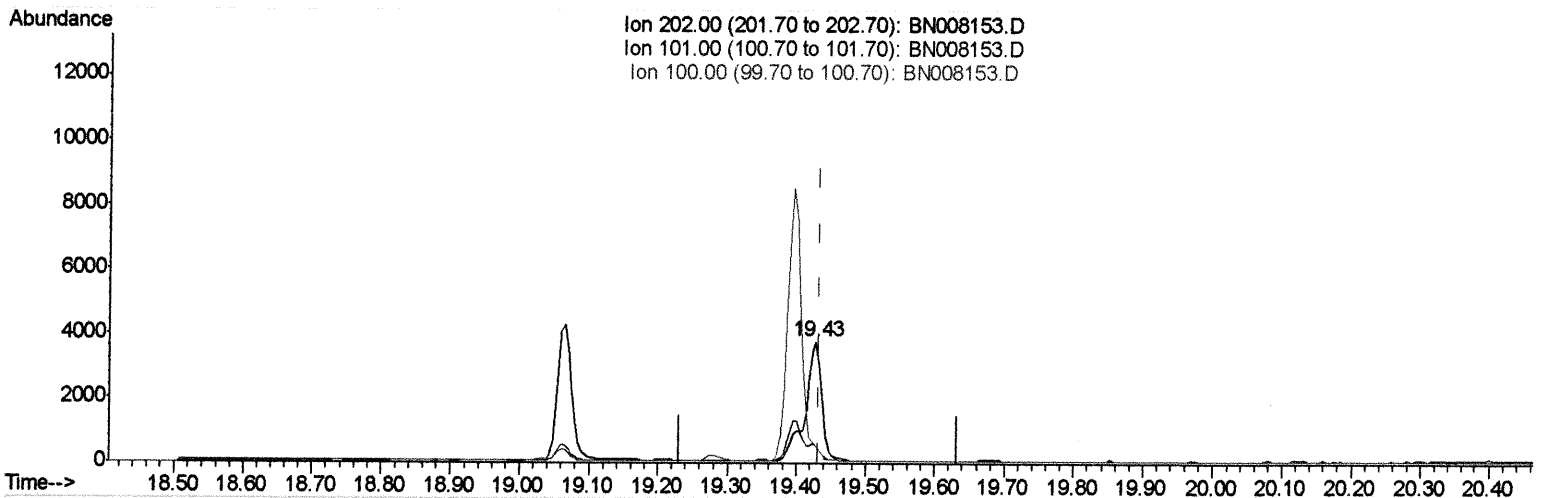
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
10/15/2019 1:30:34 PM

Quant Time: Oct 15 04:31:33 2019
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QLast Update : Mon Oct 14 17:19:29 2019
Response via : Initial Calibration



(17) Pyrene

19.427min (-0.005) 0.07ng/ul m *ru 10/16/19*

response 4902

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	15.78
100.00	10.90	14.98#
0.00	0.00	0.00

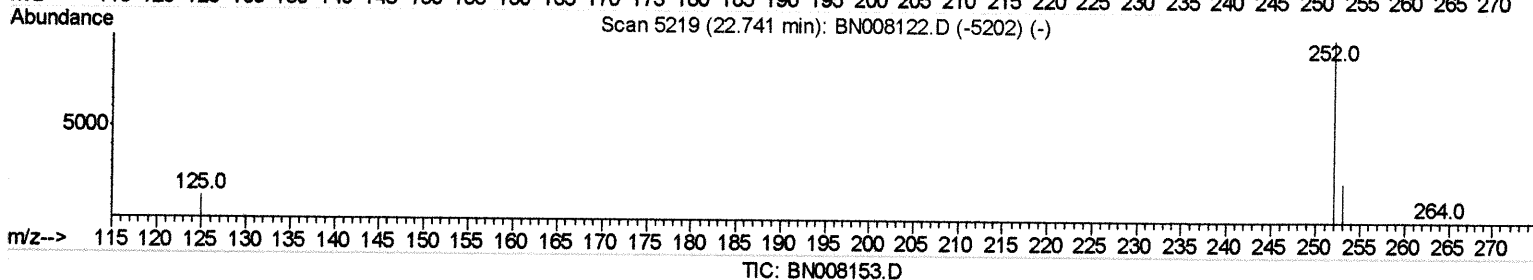
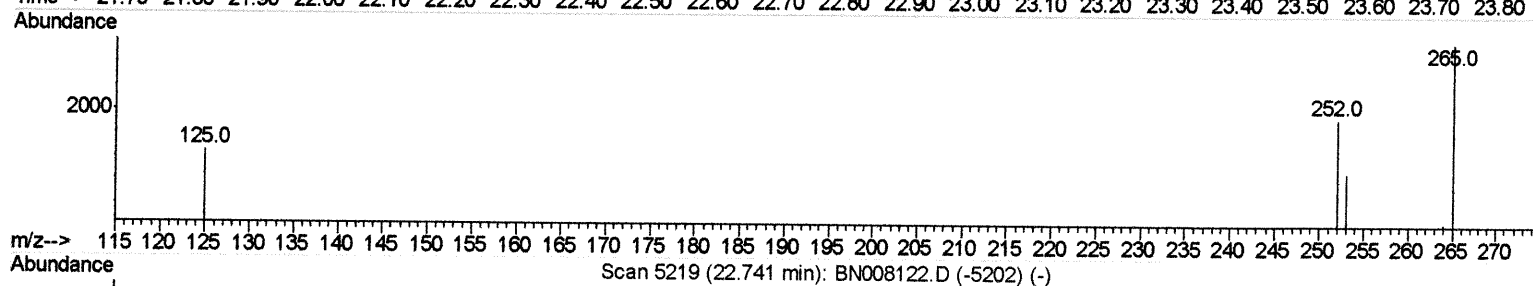
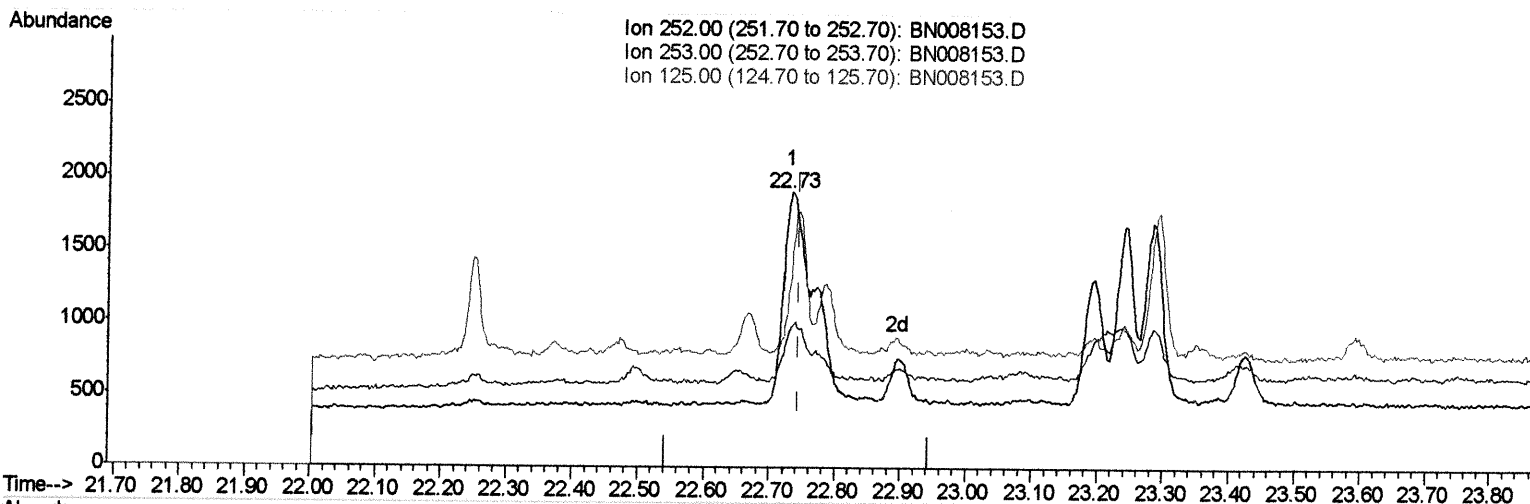
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Manual Integrations
APPROVED

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(21) Benzo(b)fluoranthene

22.732min (-0.012) 0.09ng/ul

response 4782

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	51.21
125.00	16.20	68.74#
0.00	0.00	0.00

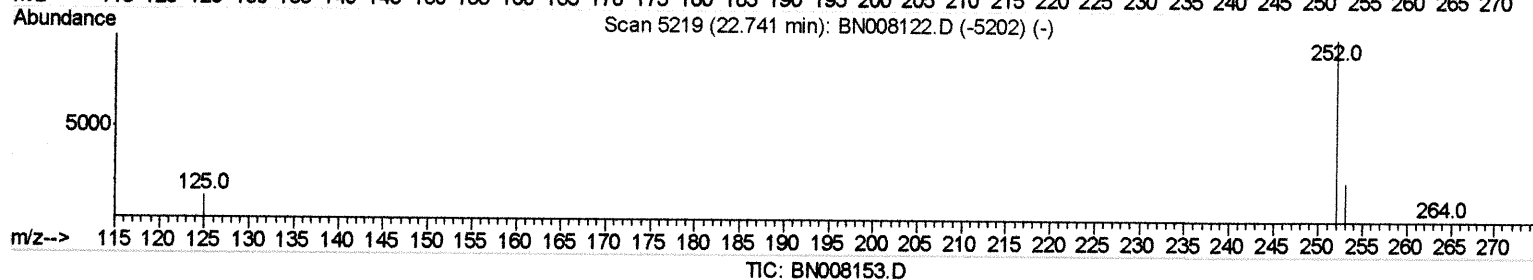
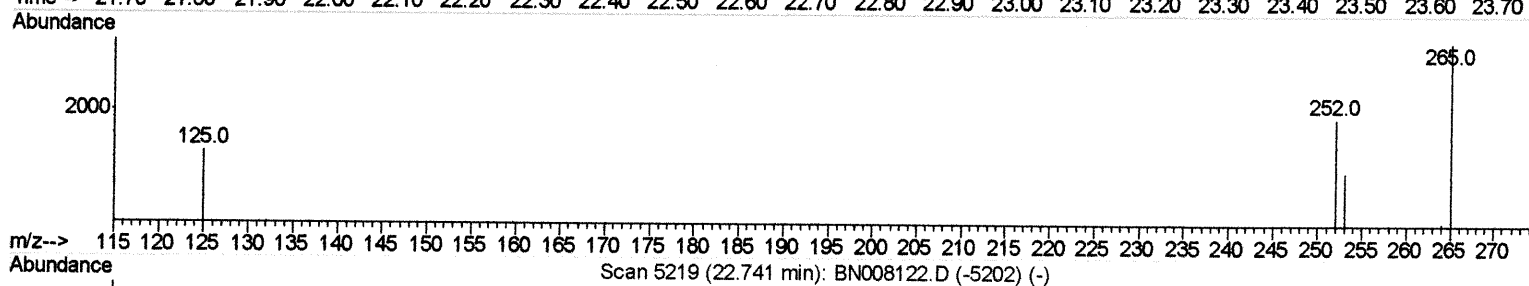
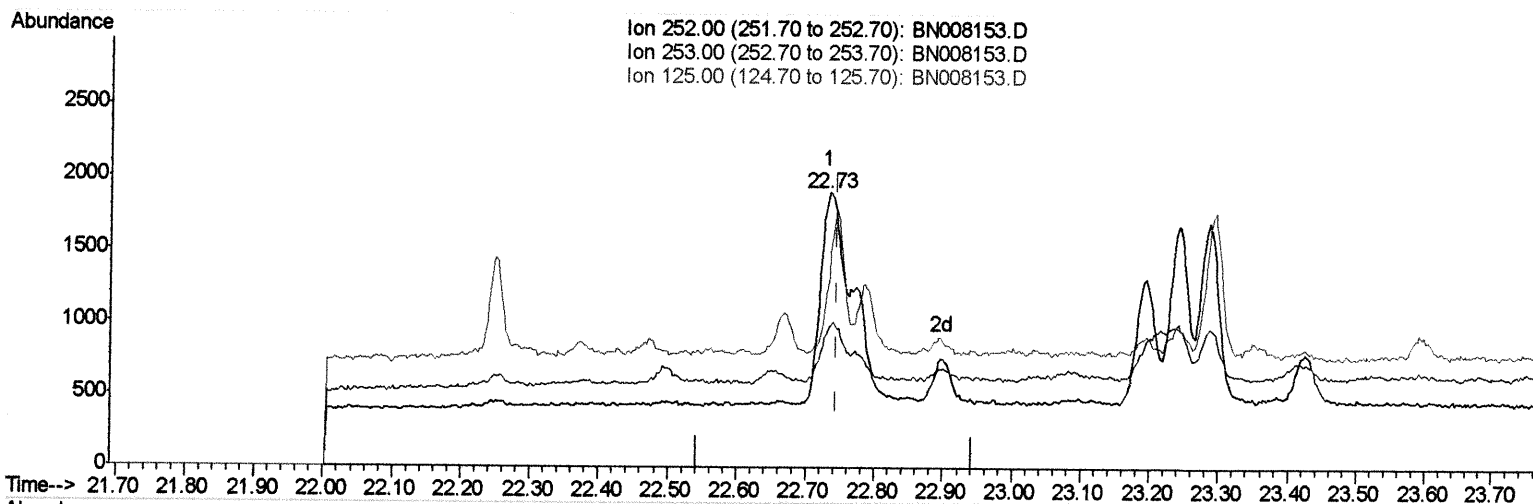
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Manual Integrations
APPROVED

mohammad
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Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.732min (-0.012) 0.06ng/ul m

ju 10/16/19

response 3343

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	51.21
125.00	16.20	68.74#
0.00	0.00	0.00

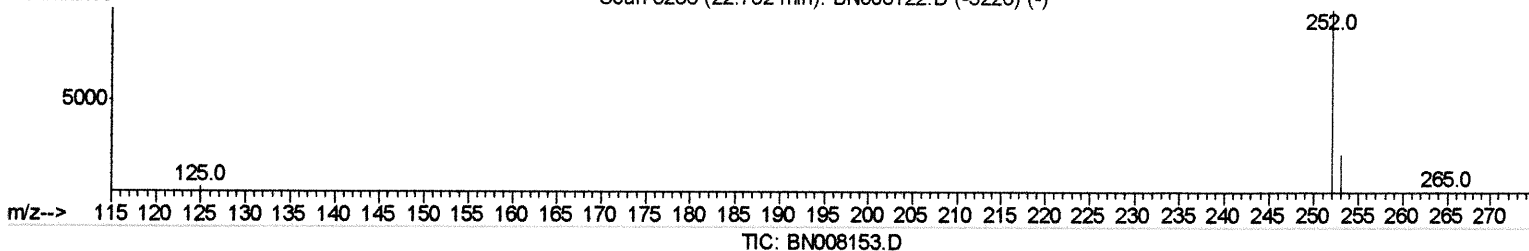
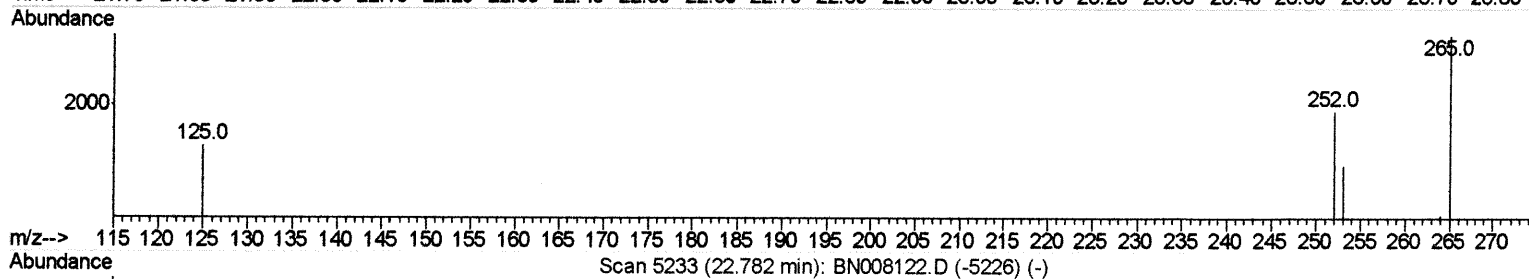
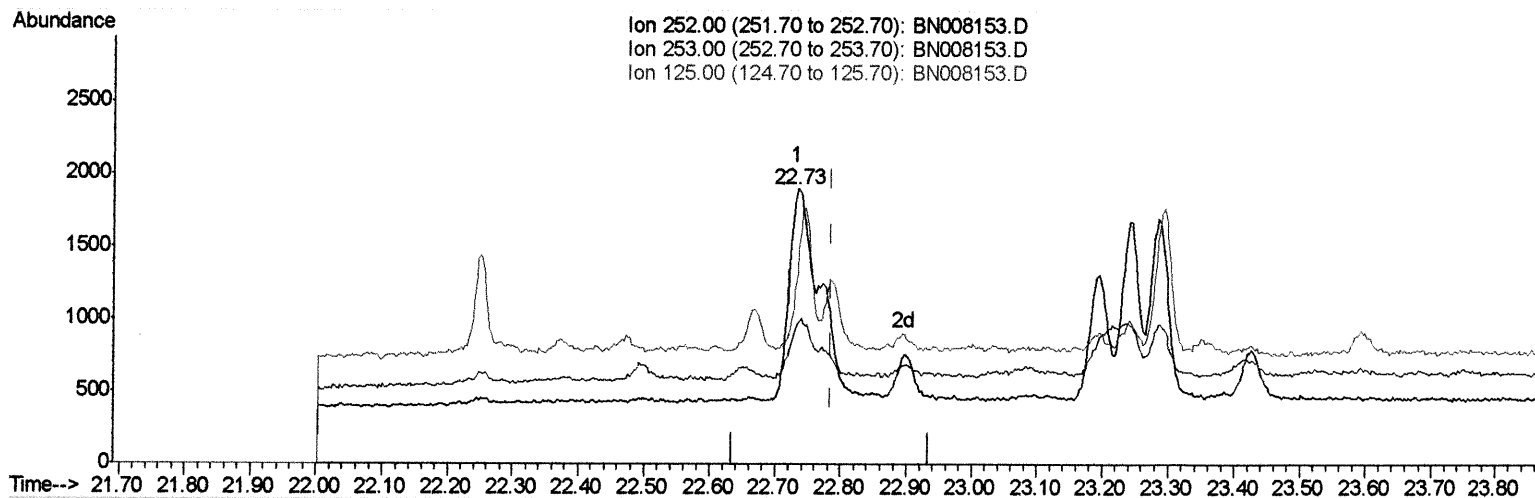
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Manual Integrations
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QLast Update : Mon Oct 14 17:19:29 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.732min (-0.053) 0.08ng/ul

response 4776

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	51.21#
125.00	15.40	68.74##
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2132	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	10475	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	6932	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	15903m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	16553m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	16933	0.40	ng/ul	-0.02

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.99	152	2486	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8300m	0.15	ng/ul	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
12) Phenanthrene	17.04	178	3154	0.068	ng/ul	96
15) Fluoranthene	19.06	202	6038m	0.098	ng/ul	96
17) Pvrene	19.43	202	4902m	0.074	ng/ul	90
18) Benzo(a)anthracene	21.18	228	3151	0.052	ng/ul#	90
19) Chrysene	21.23	228	2842	0.038	ng/ul#	90
21) Benzo(b)fluoranthene	22.73	252	3343m	0.061	ng/ul	7
23) Benzo(a)pvrene	23.28	252	2307	0.040	ng/ul#	50
26) Benzo(q,h,i)perylene	26.22	276	1335	0.021	ng/ul#	50

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