

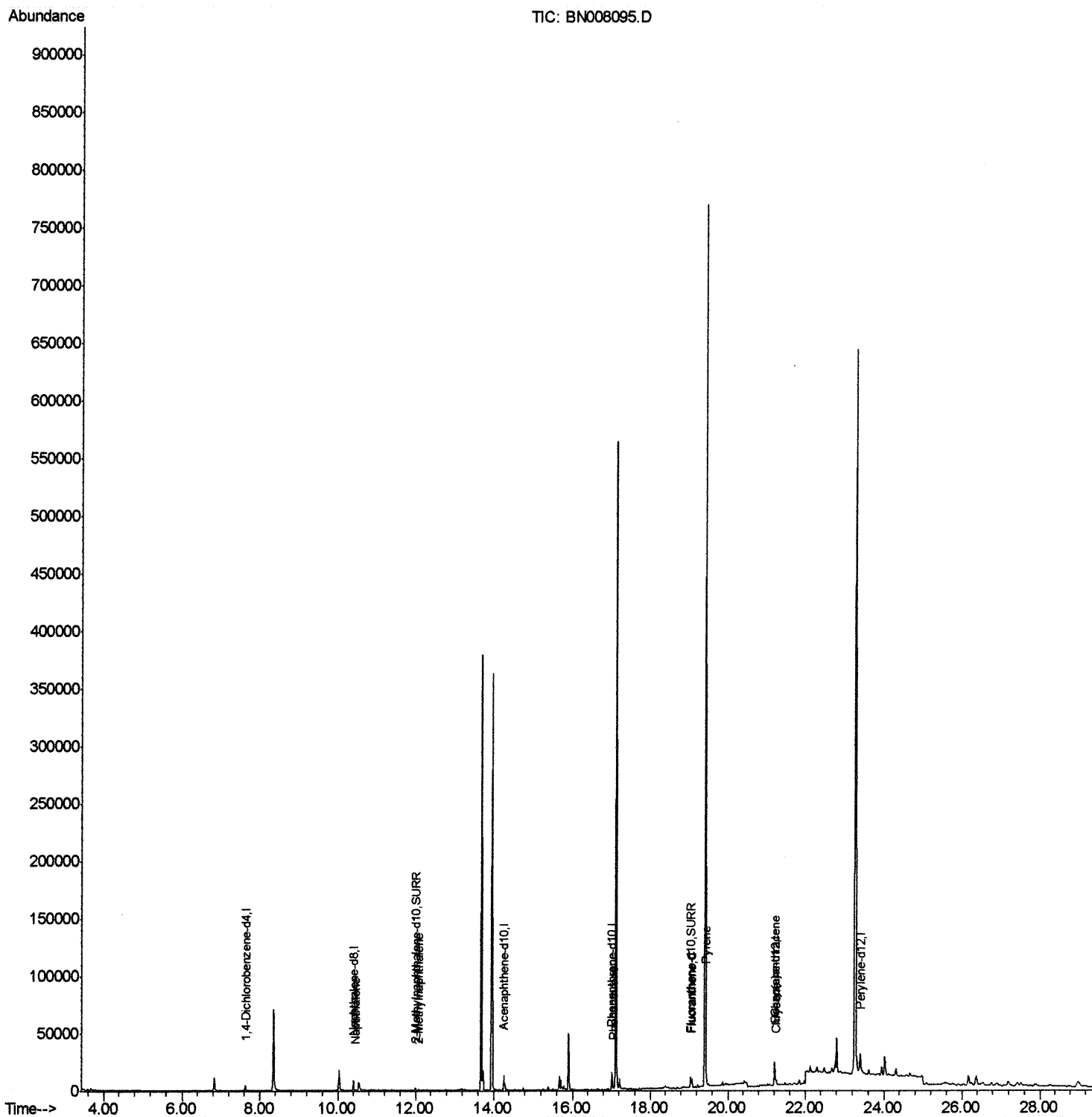
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:17:20 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



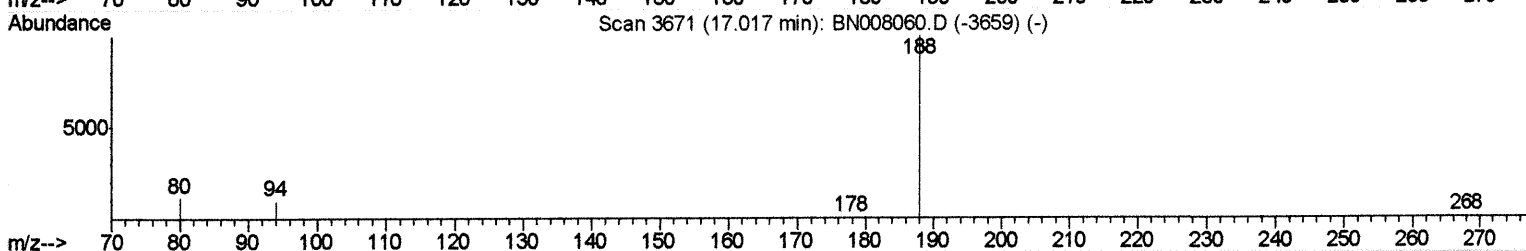
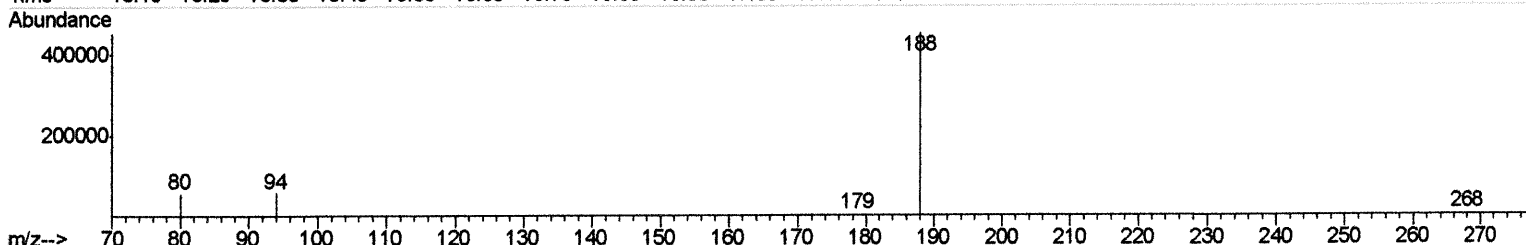
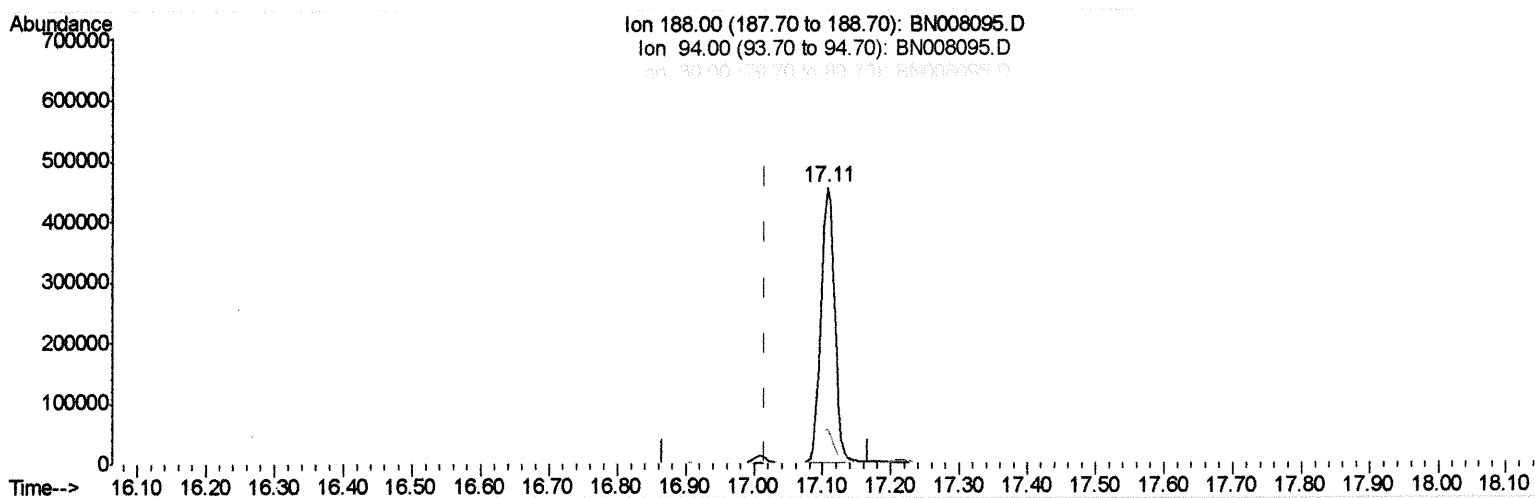
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:10:45 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



TIC: BN008095.D

(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 625174

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.24
80.00	12.60	11.92
0.00	0.00	0.00

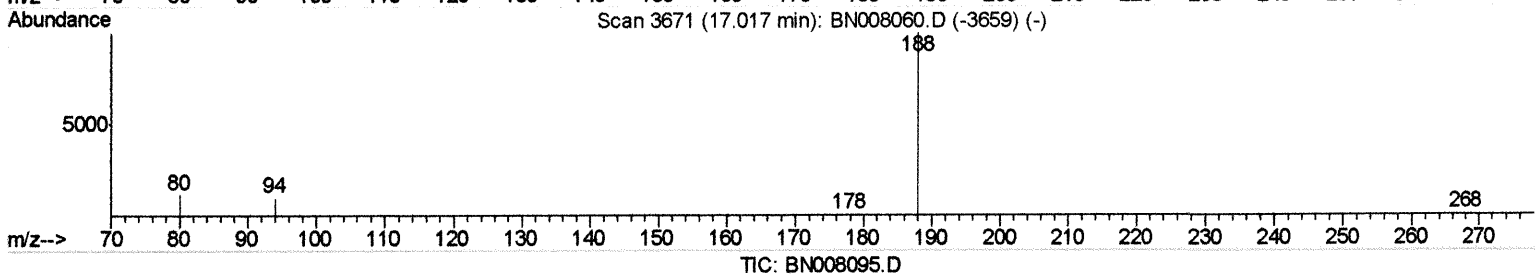
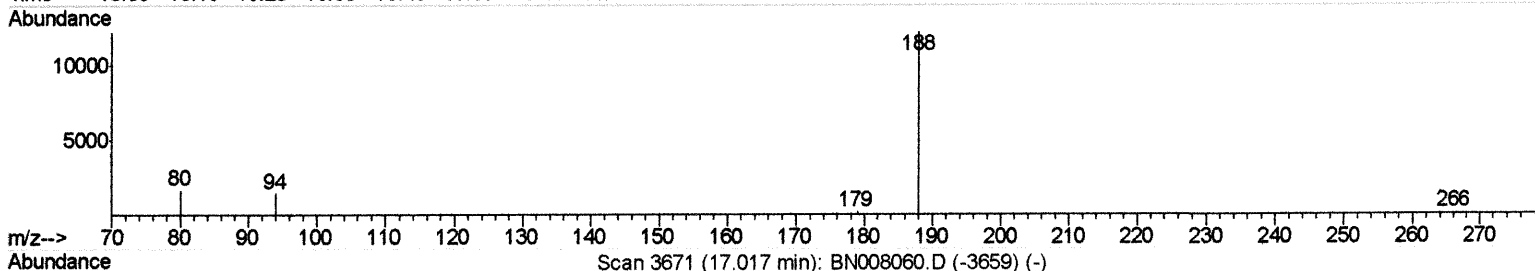
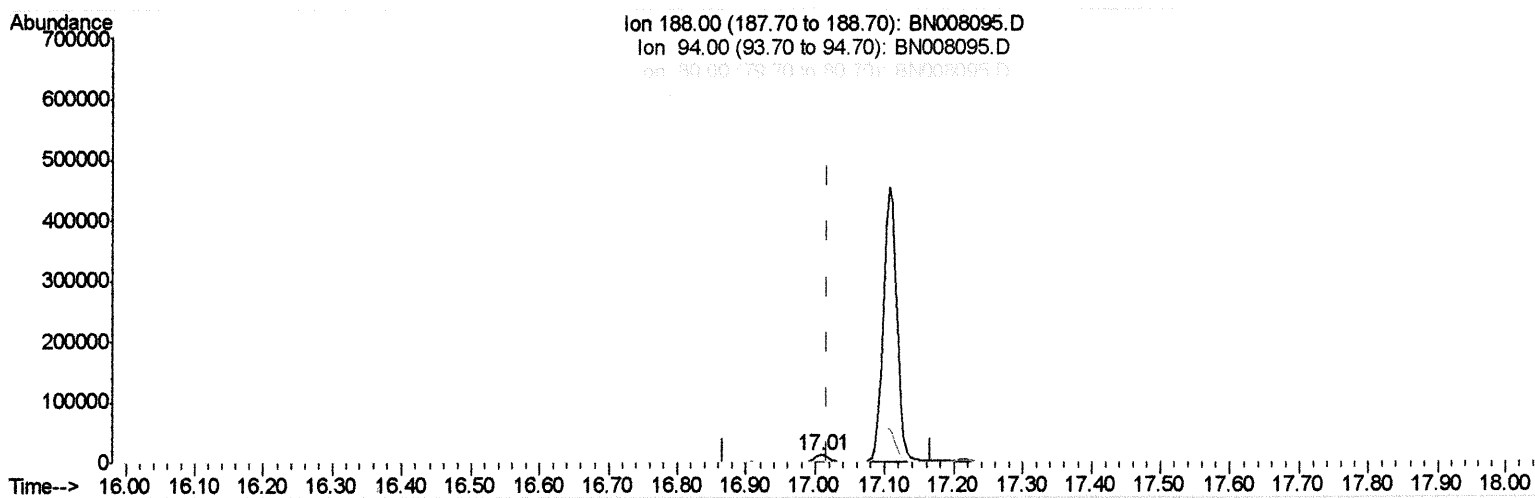
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:10:45 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.009min (-0.008) 0.40ng/ul m JU 10/16/19

response 17123

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.01
80.00	12.60	13.77
0.00	0.00	0.00

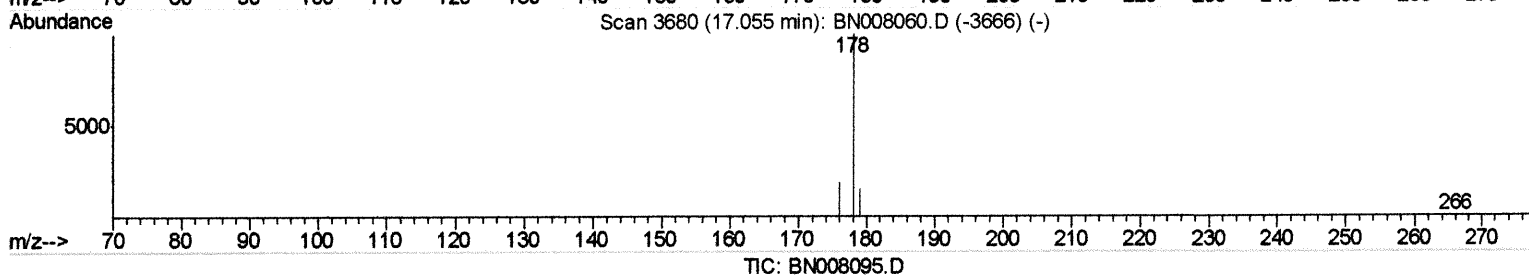
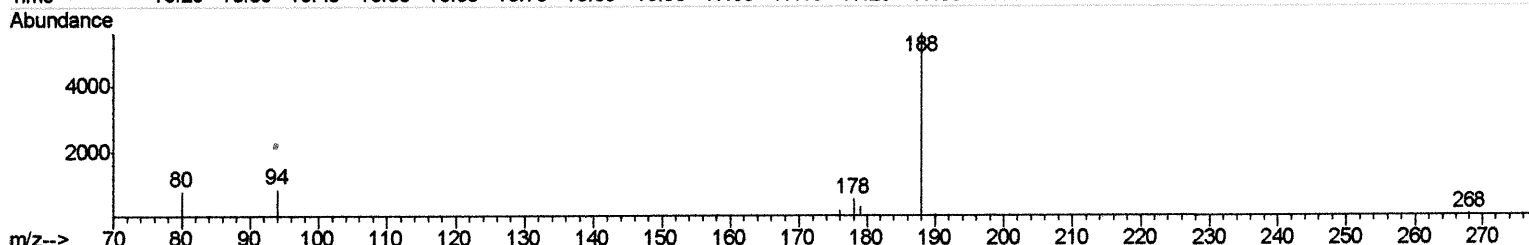
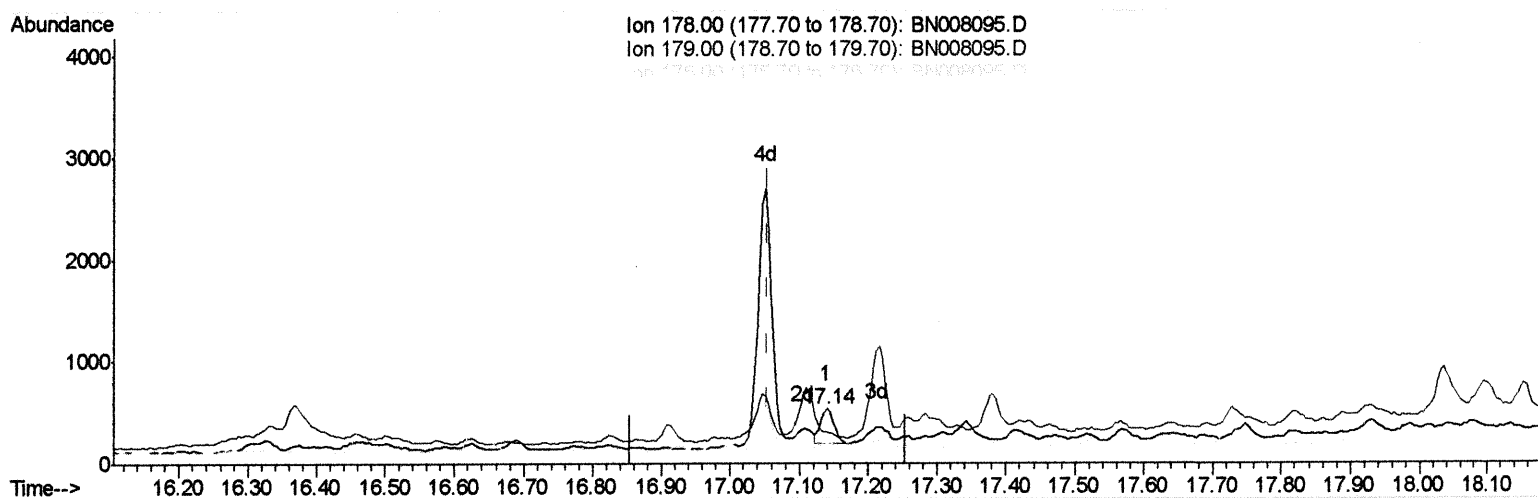
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
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Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(12) Phenanthrene

17.140min (+0.085) 0.01ng/ul

response 452

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	58.13#
176.00	19.30	37.38#
0.00	0.00	0.00

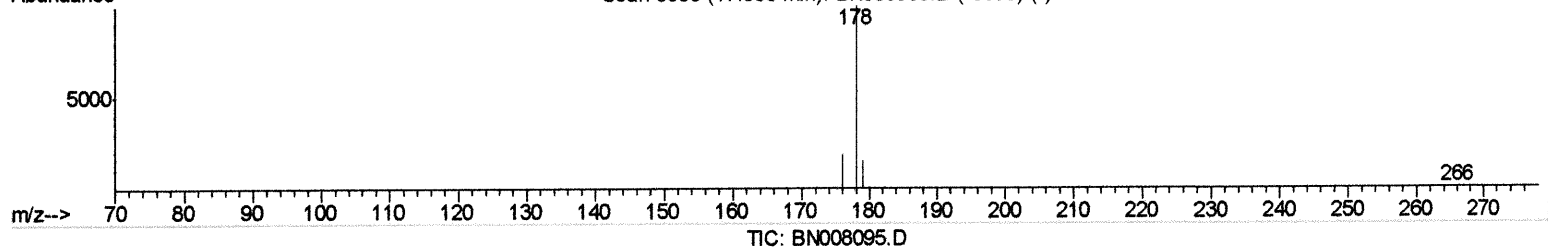
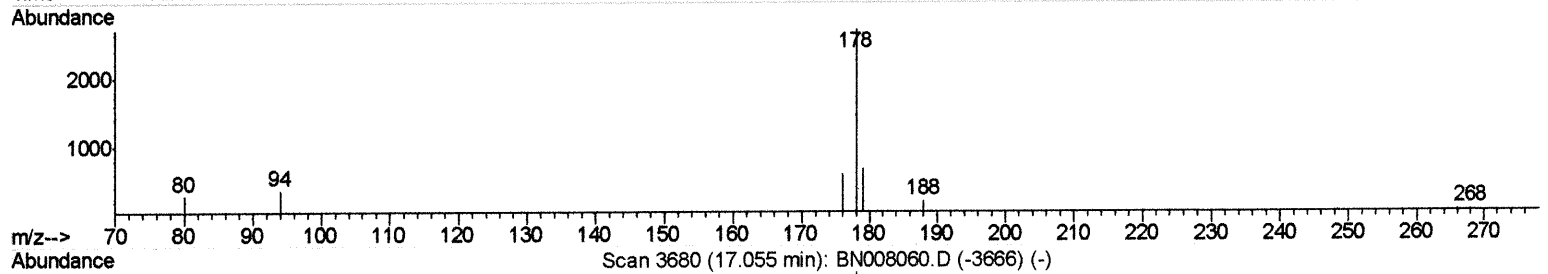
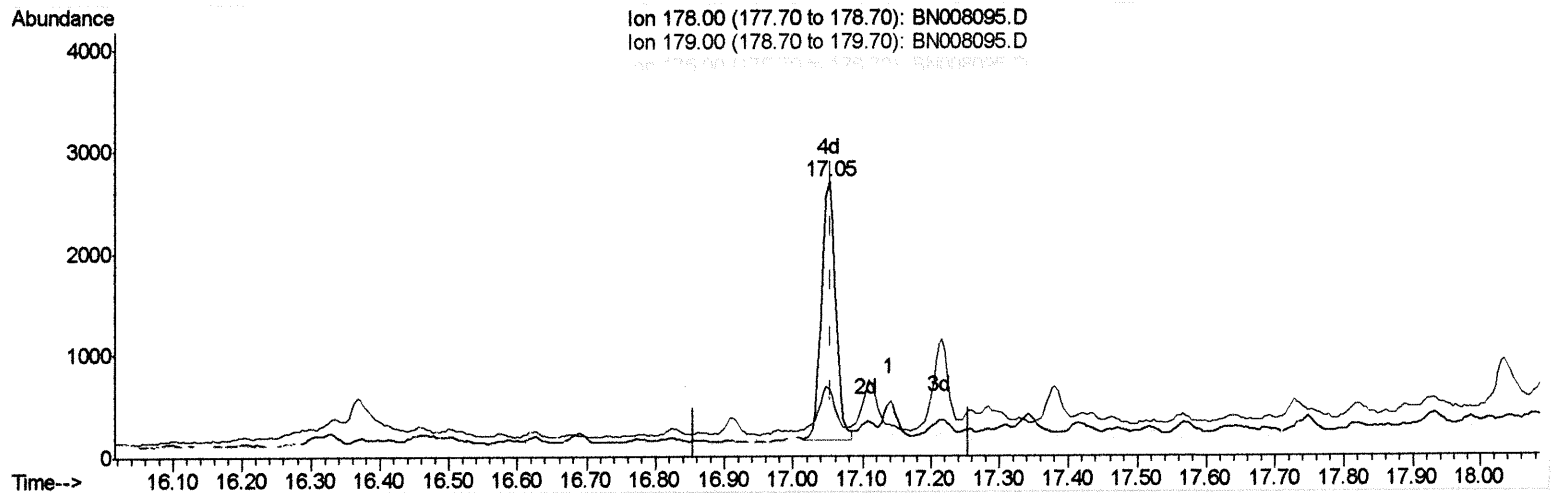
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(12) Phenanthrene

17.051min (-0.004) 0.07ng/ul m 2410116119

response 3643

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	24.68#
176.00	19.30	22.24
0.00	0.00	0.00

Quantitation Report (Qedit)

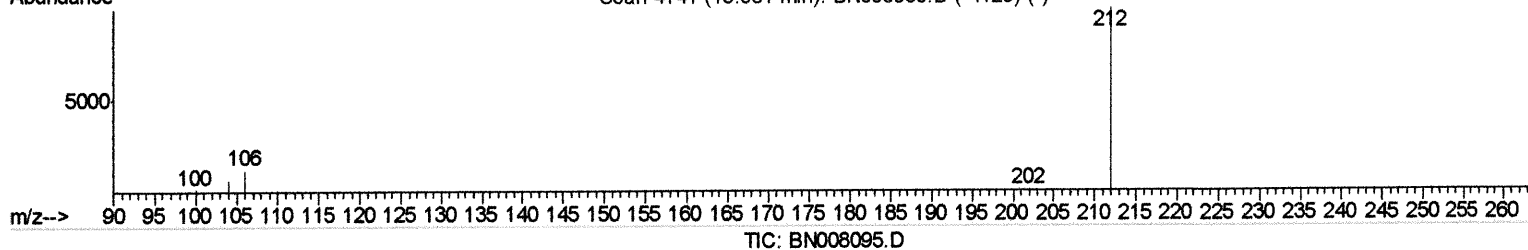
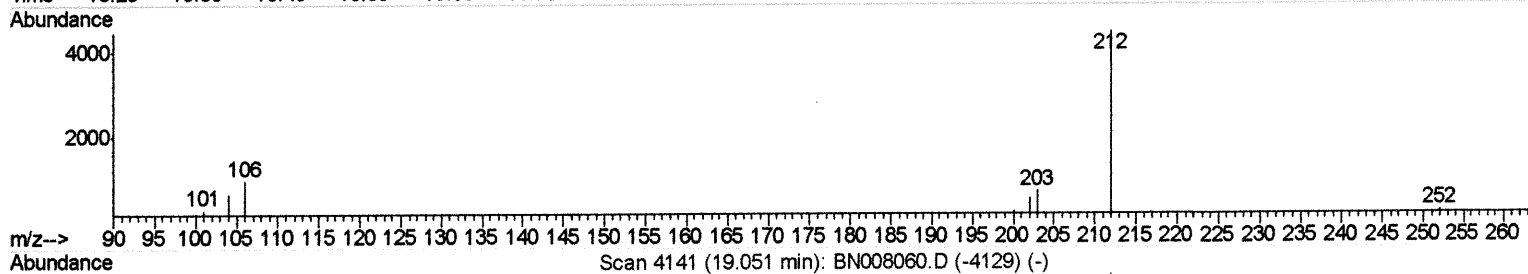
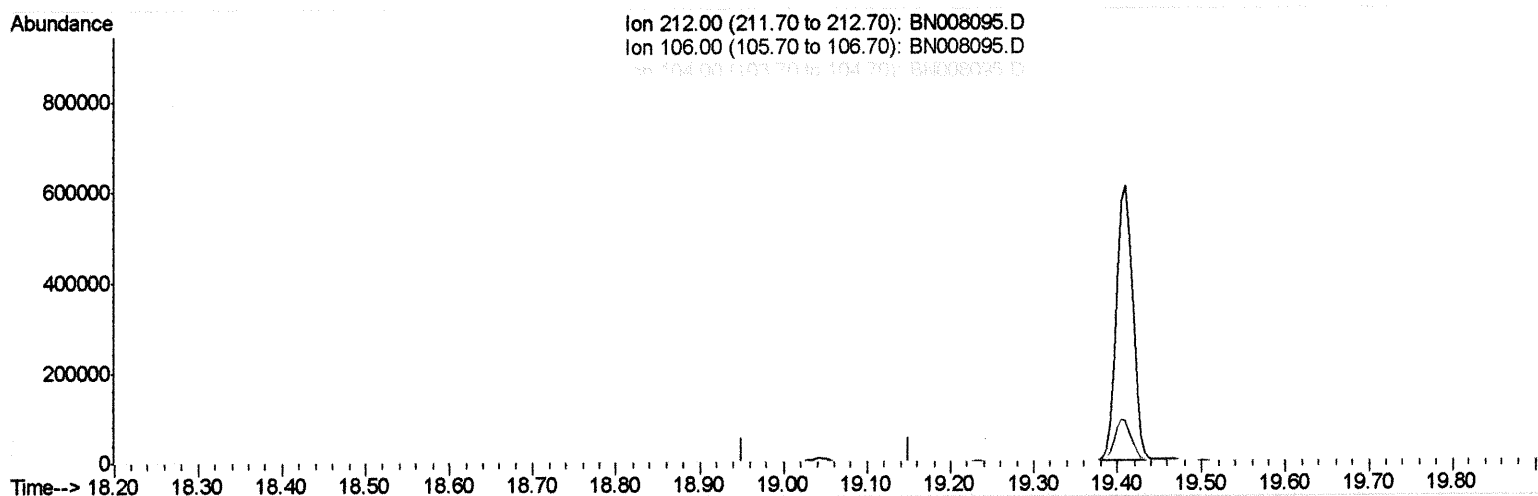
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.051min (-19.051) 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

Quantitation Report (Qedit)

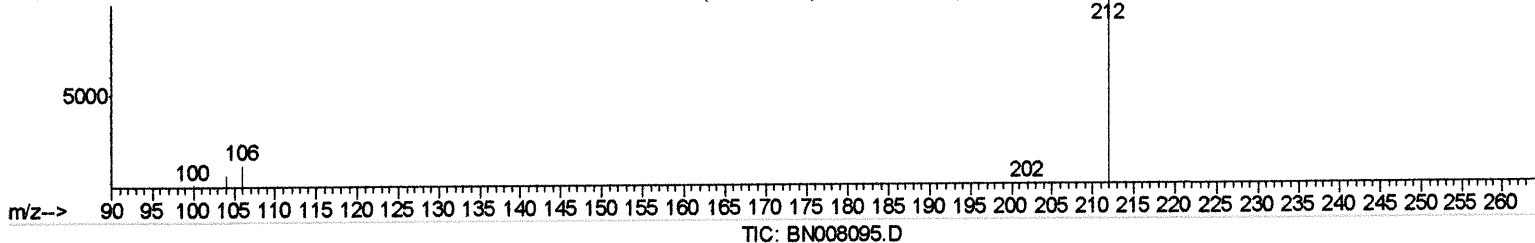
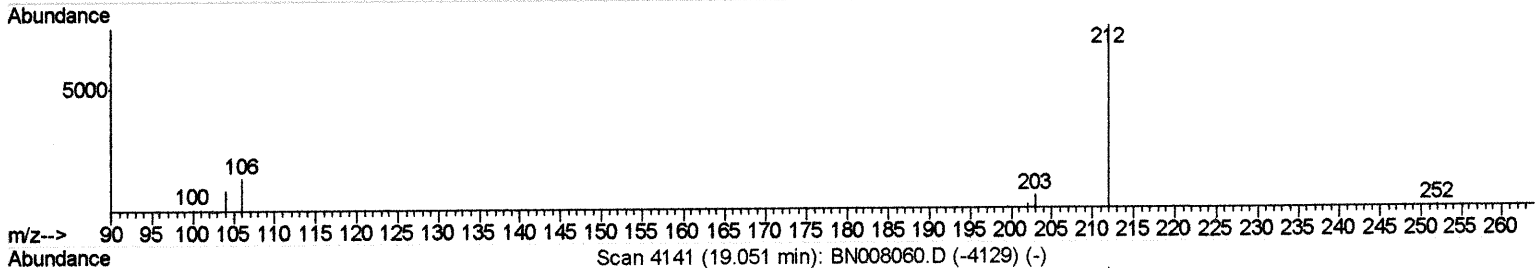
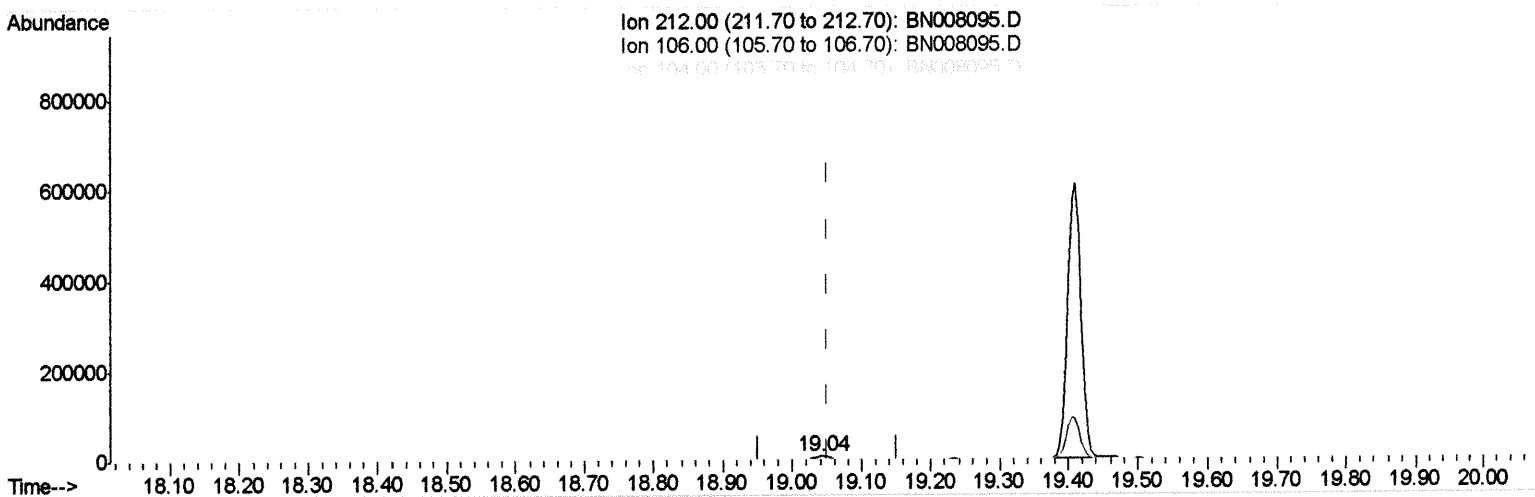
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.042min (-0.009) 0.17ng/ul m 34 10/16/19

response 10182

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

Quantitation Report (Qedit)

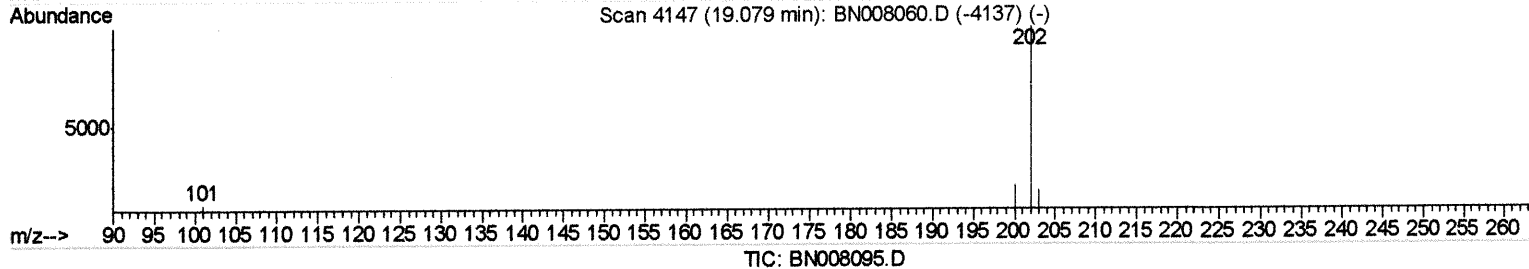
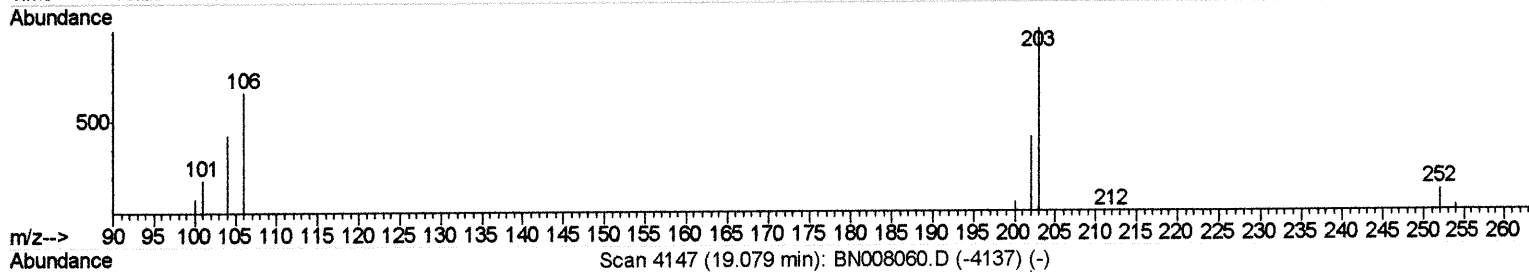
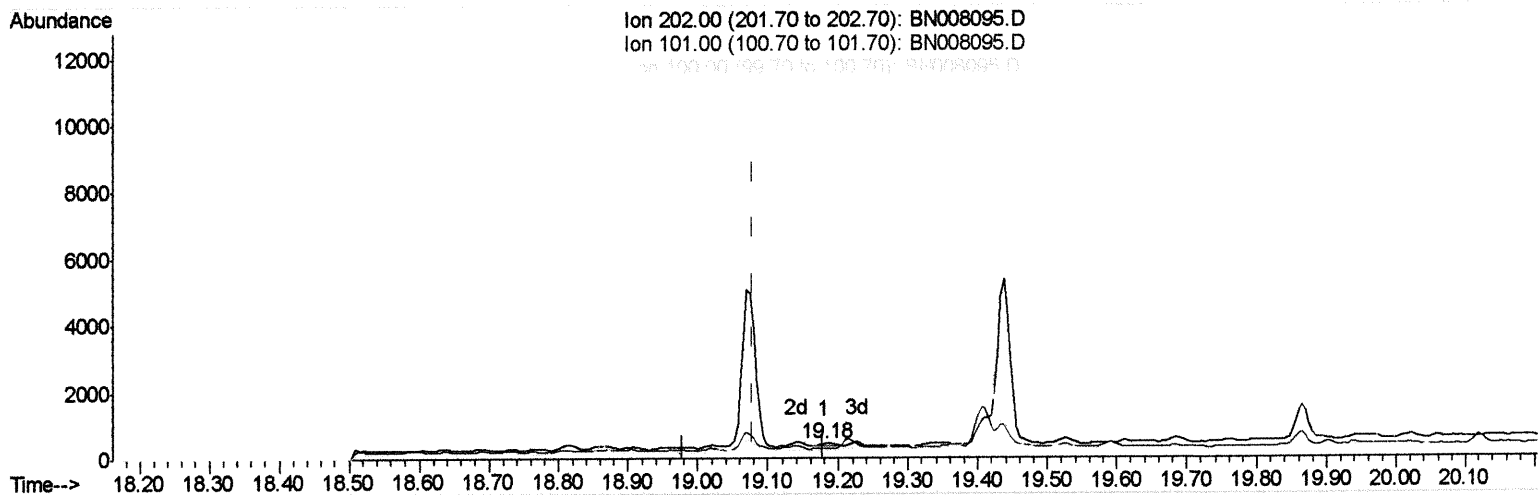
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.181min (+0.102) 0.00ng/ul

response 127

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	67.43#
100.00	8.50	53.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

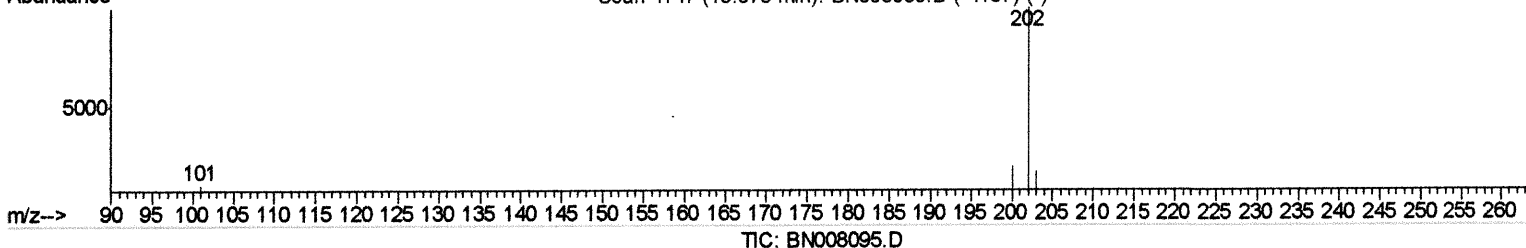
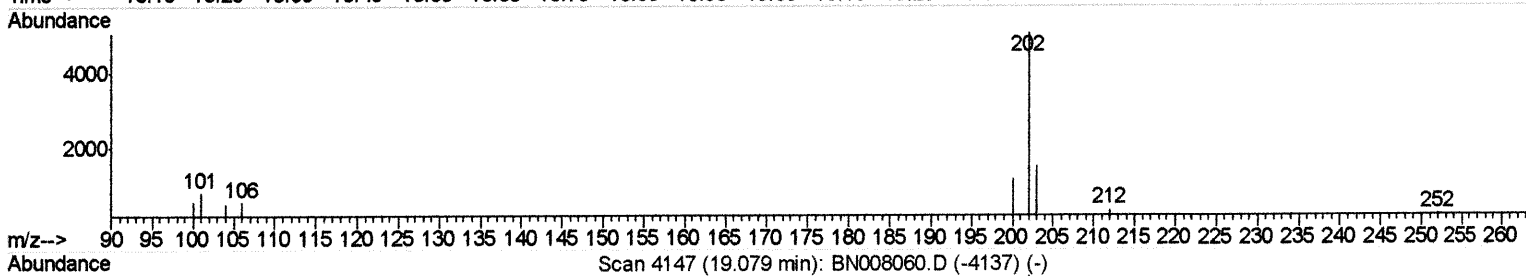
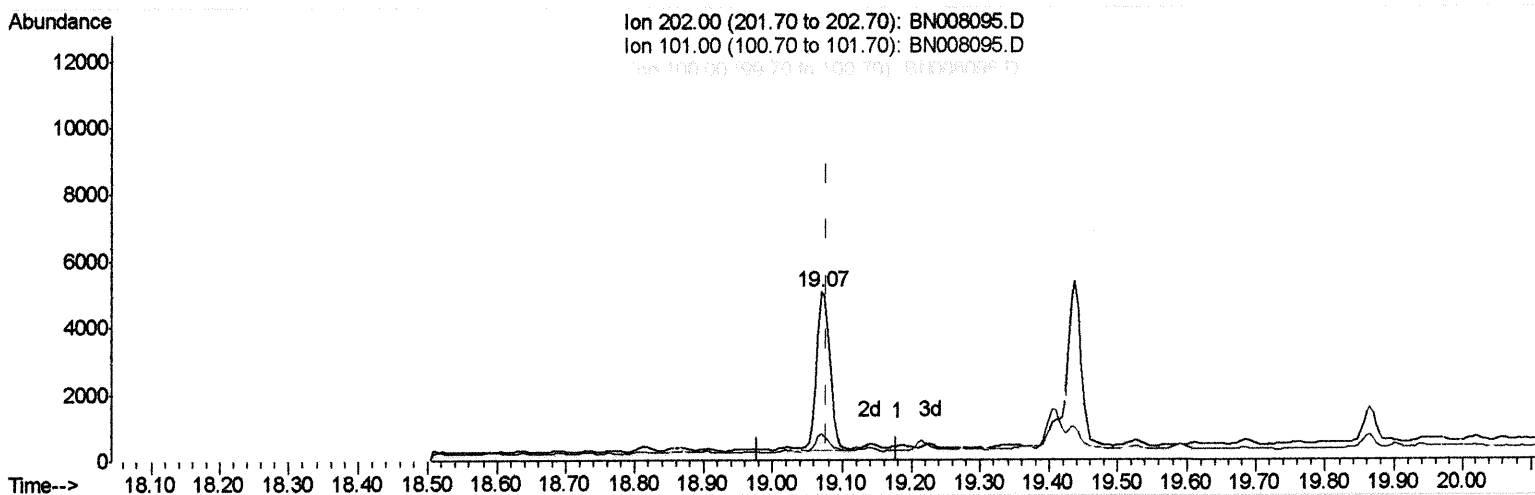
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.070min (-0.009) 0.10ng/ul m

JU 10/16/19

response 6334

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	15.60
100.00	8.50	10.83
0.00	0.00	0.00

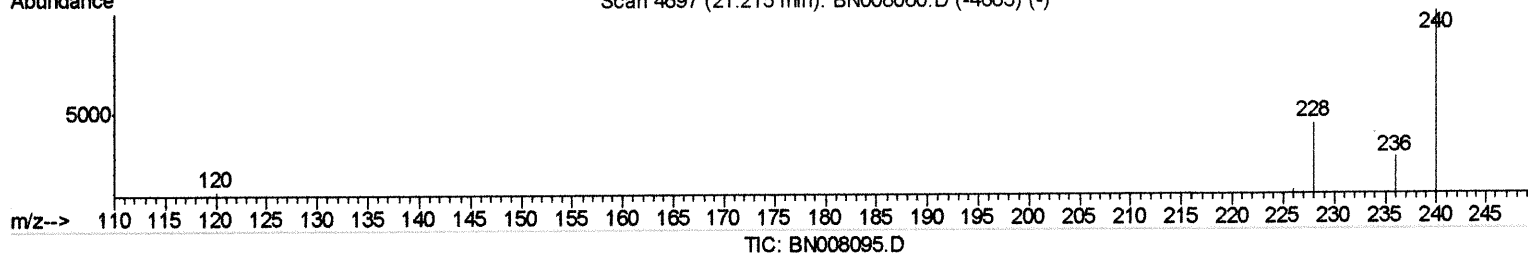
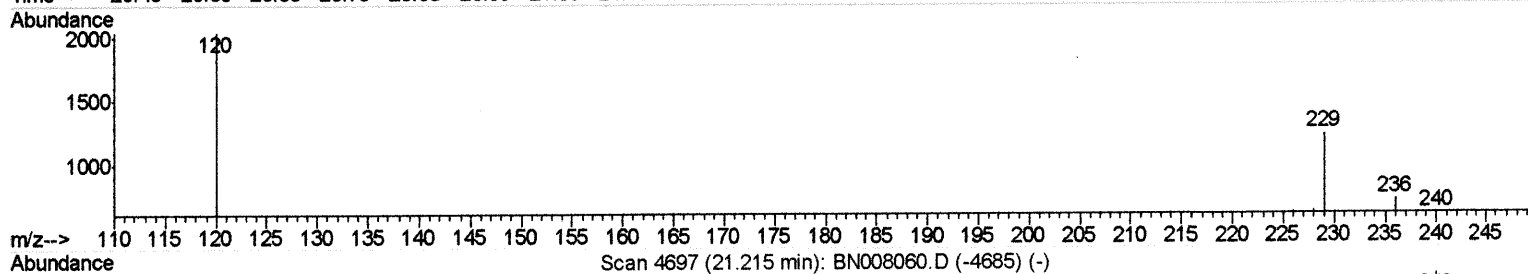
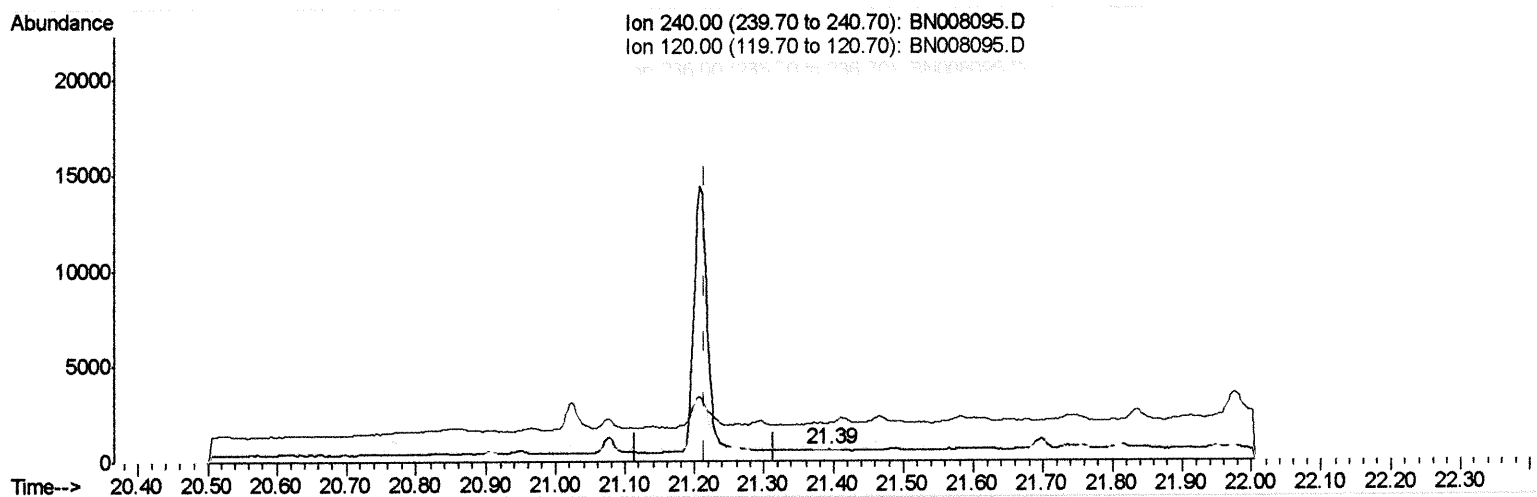
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.394min (+0.178) 0.40ng/ul

response 96

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	326.48#
236.00	28.40	117.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

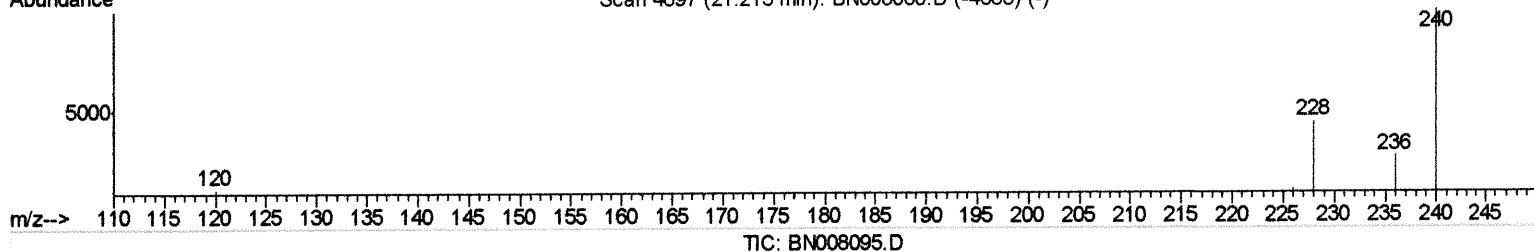
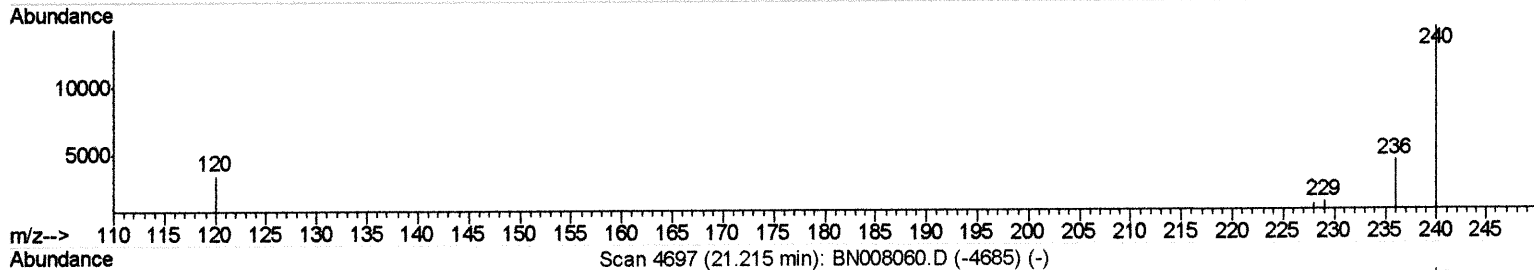
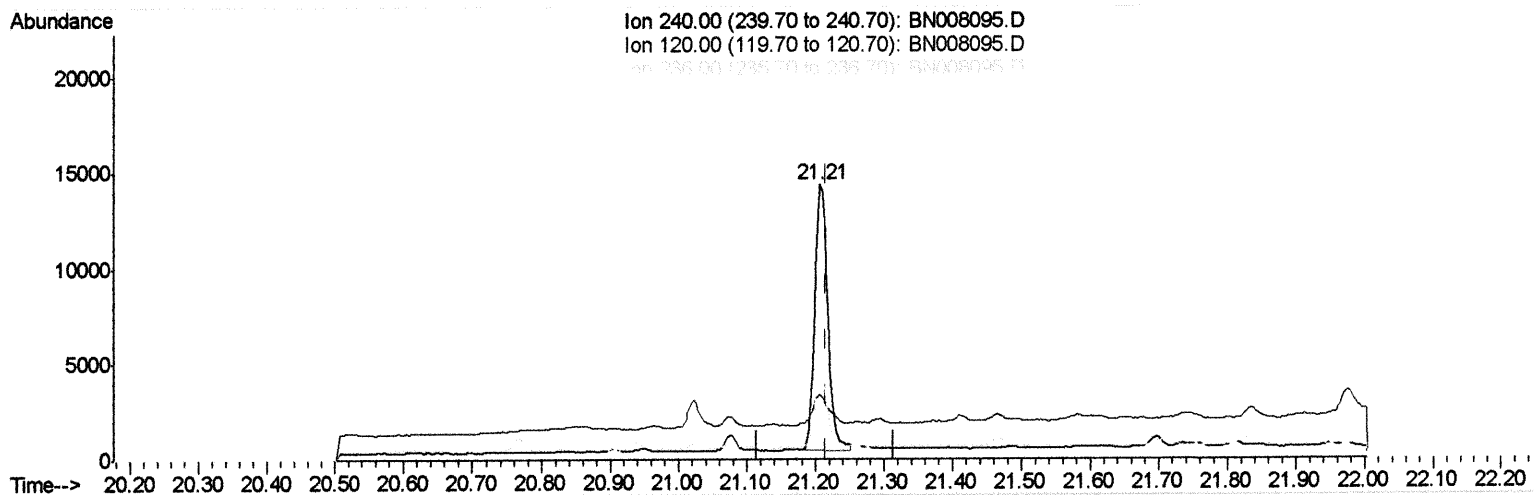
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 JLM74

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:11:20 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.207min (-0.008) 0.40ng/ul m JU 10/16/19

response 18144

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	23.57#
236.00	28.40	30.45
0.00	0.00	0.00

Quantitation Report (Qedit)

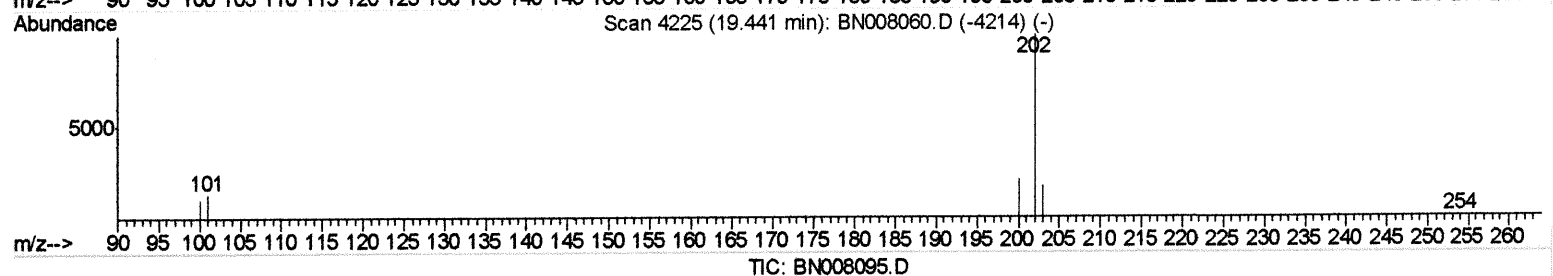
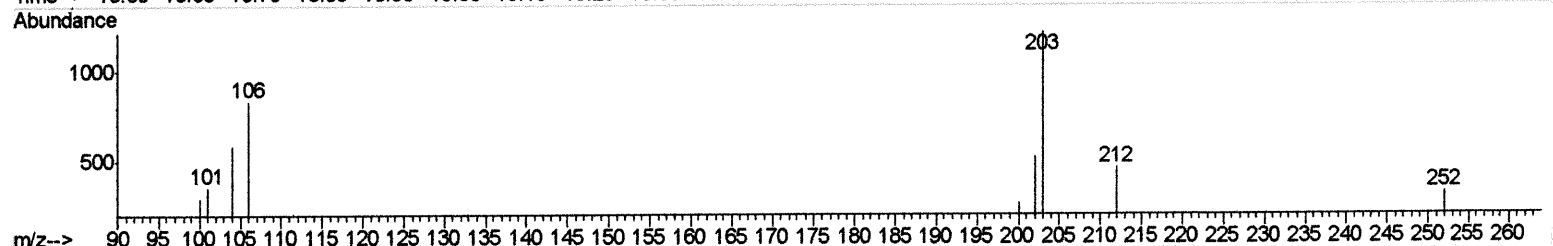
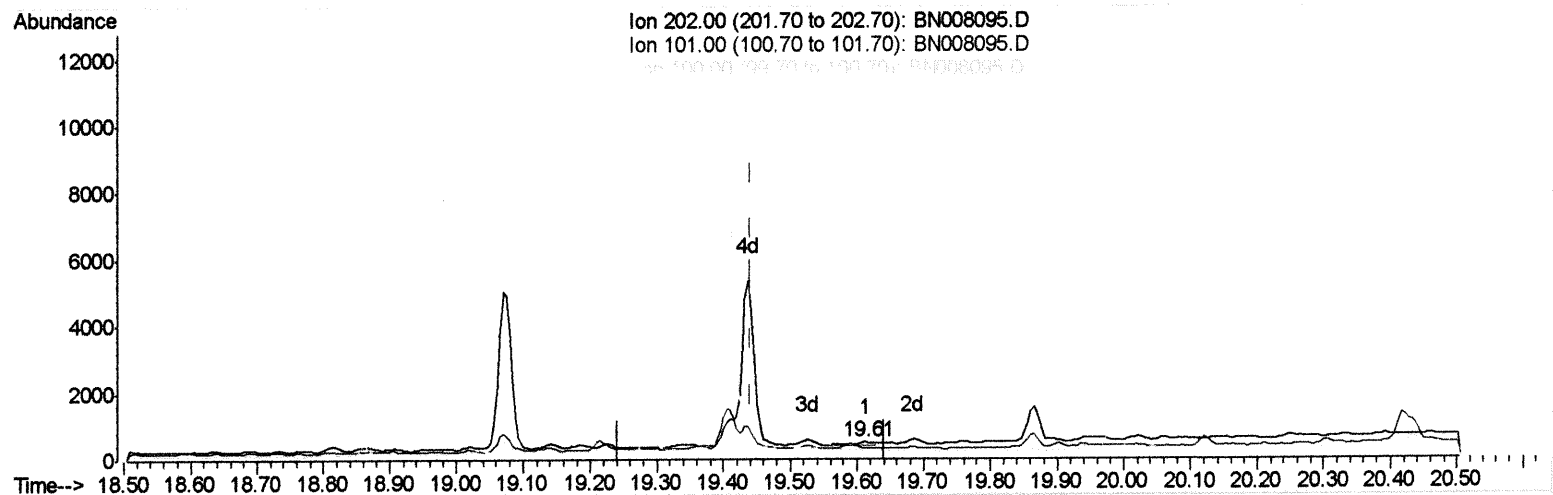
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(17) Pyrene

19.614min (+0.172) 0.00ng/ul

response 215

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	67.57#
100.00	10.90	55.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

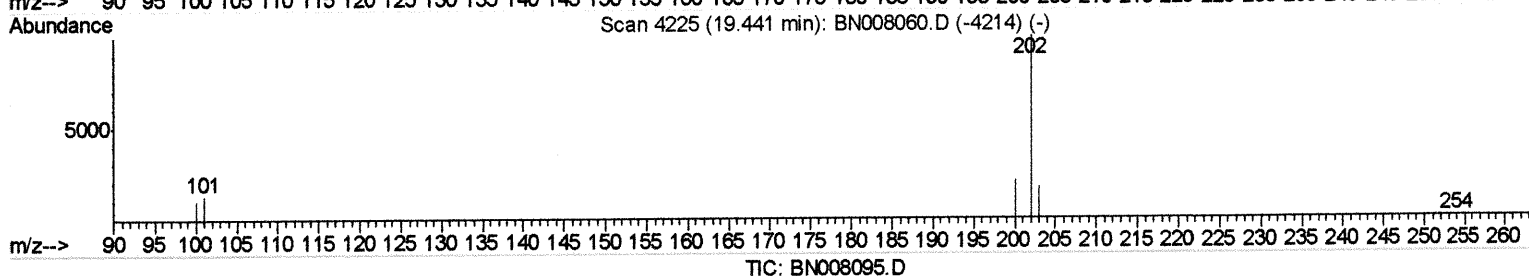
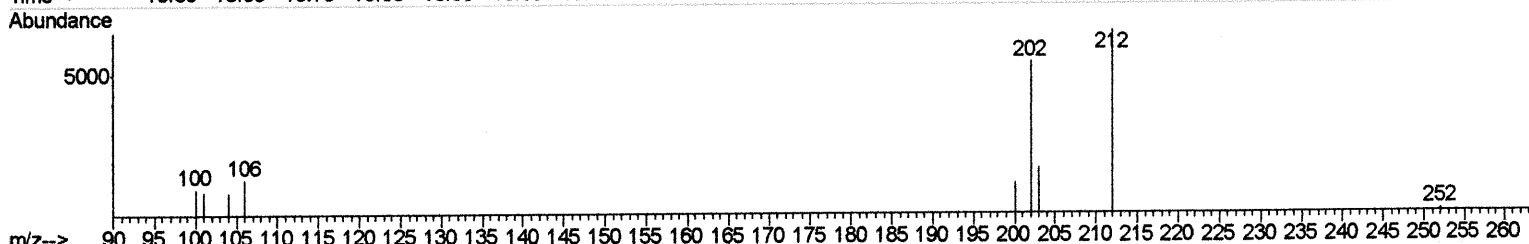
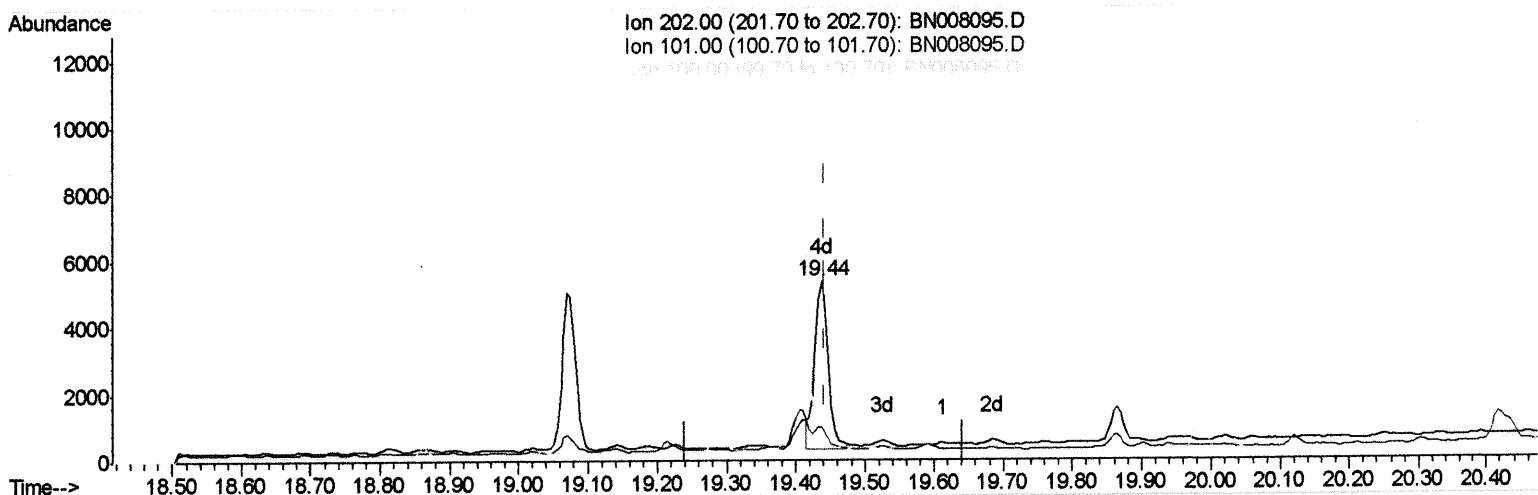
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(17) Pyrene

19.437min (-0.004) 0.09ng/ul m

54 10/16/19

response 6786

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	18.40#
100.00	10.90	19.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

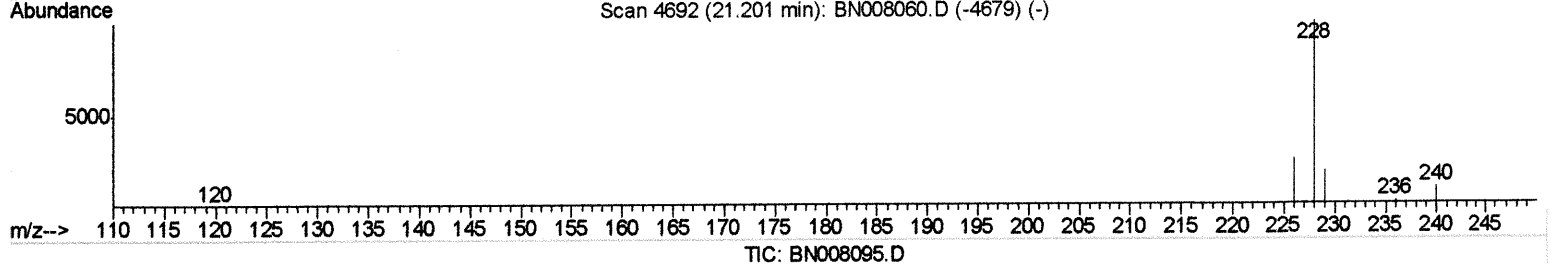
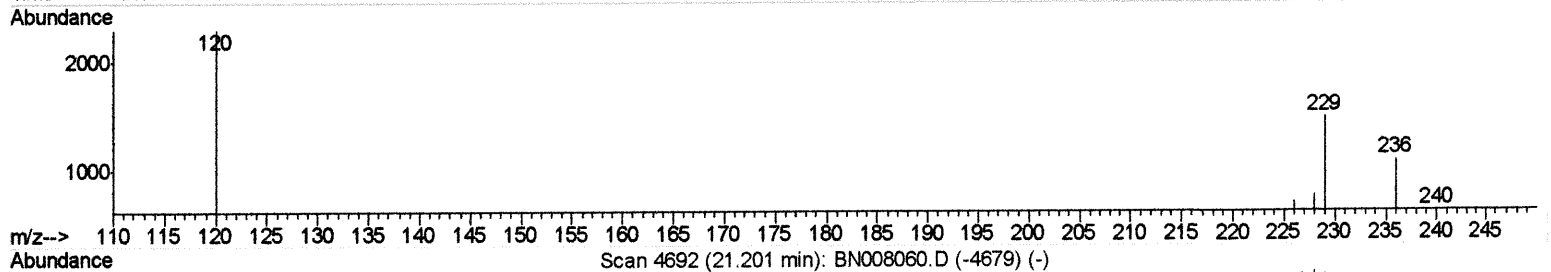
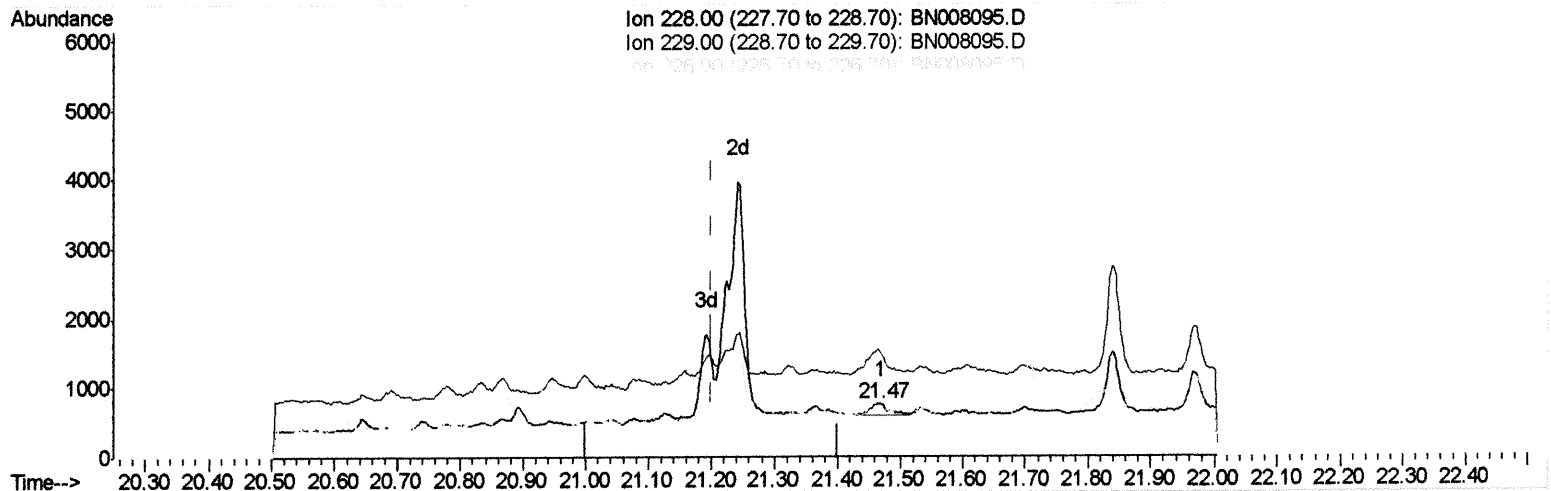
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(18) Benzo(a)anthracene
 21.470min (+0.269) 0.01ng/ui
 response 362

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	194.22#
226.00	26.70	91.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

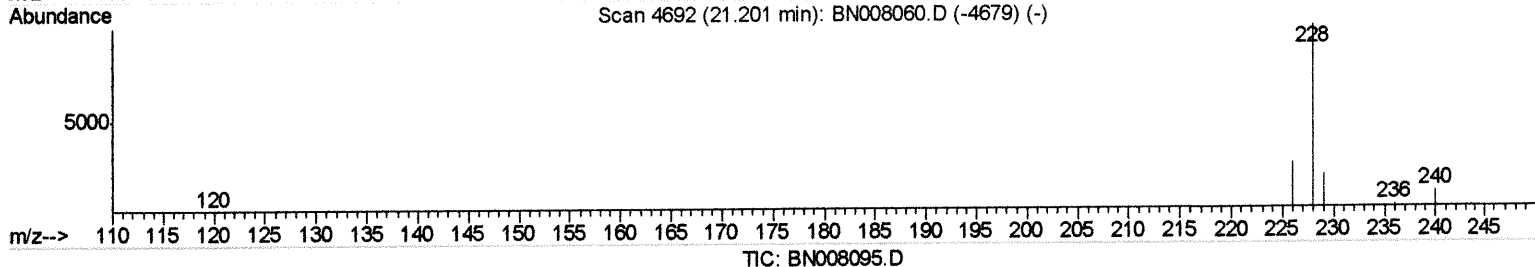
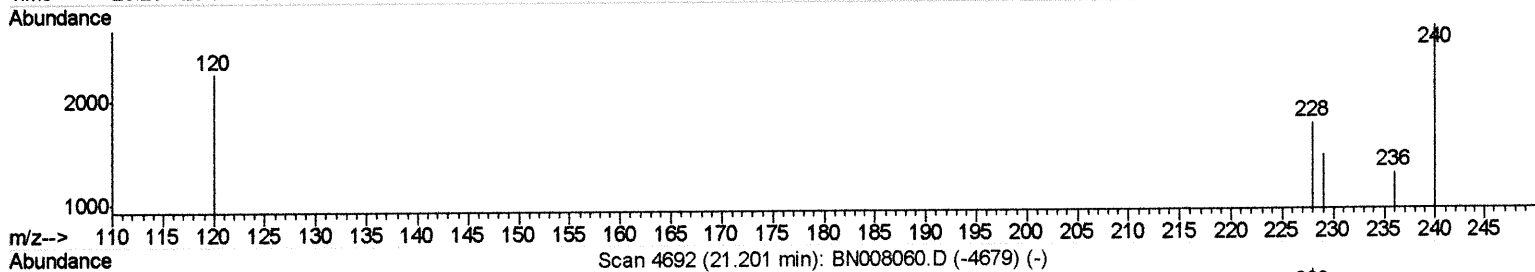
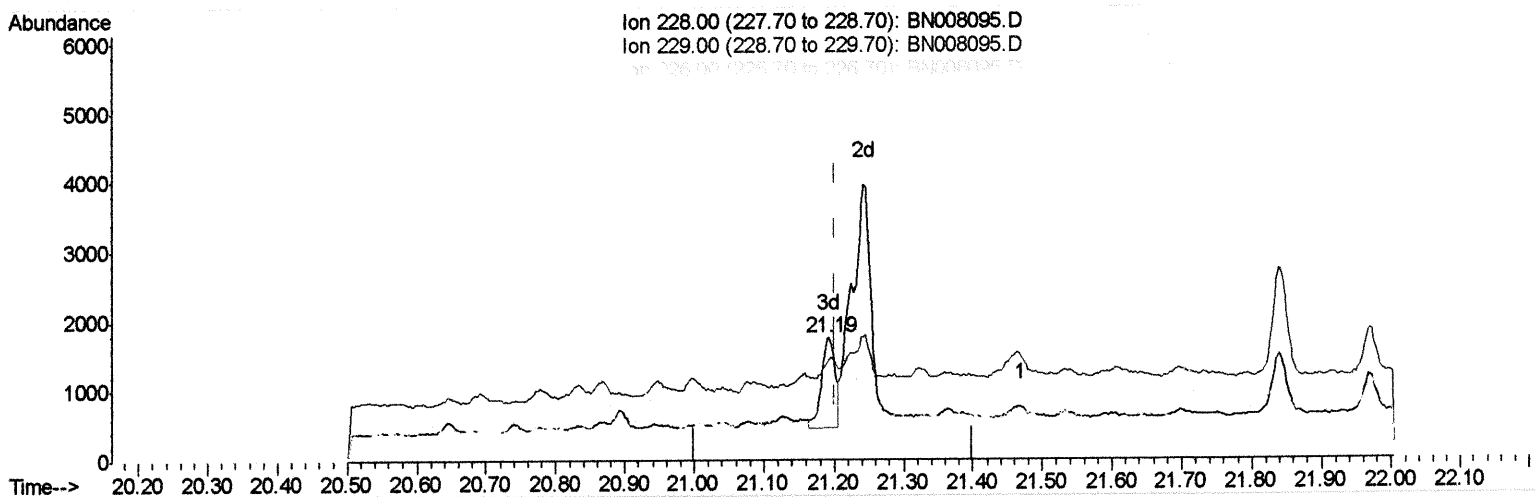
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008095.D
Acq On : 12 Oct 2019 02:50
Operator : JU
Sample : K5124-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM74

Manual Integrations
APPROVED

mohammad
10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(18) Benzo(a)anthracene

21.192min (-0.009) 0.03ng/ul m

JU 10/16/19

response 1825

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	82.25#
226.00	26.70	52.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

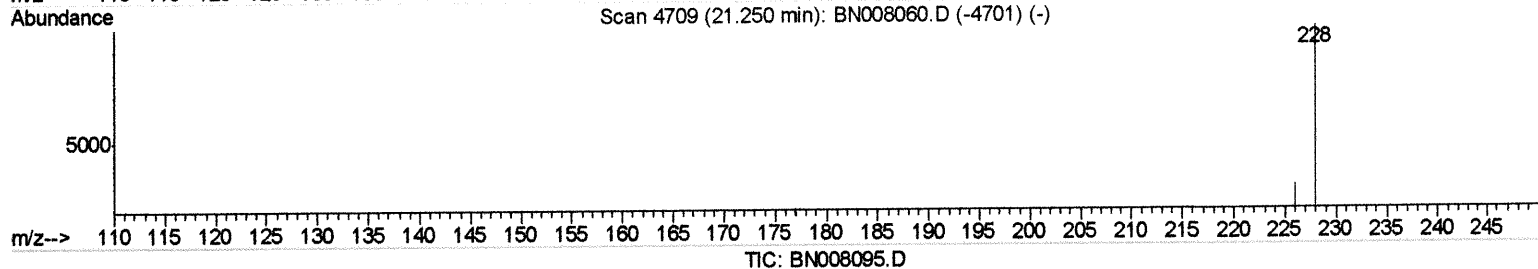
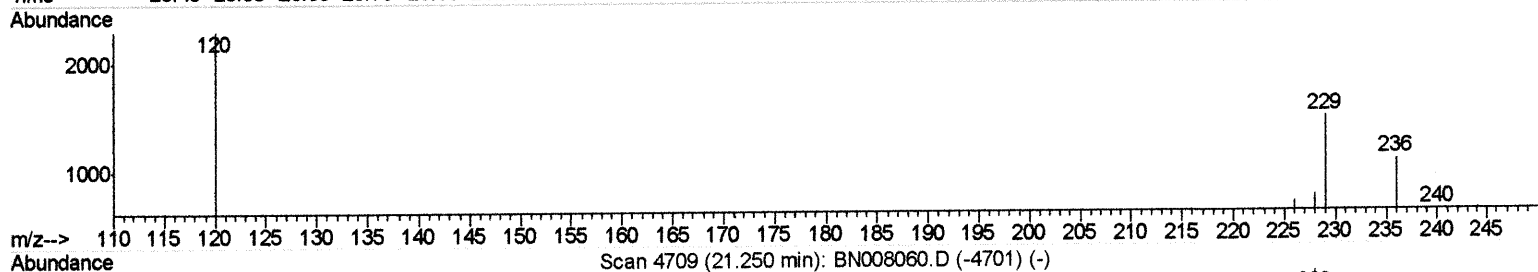
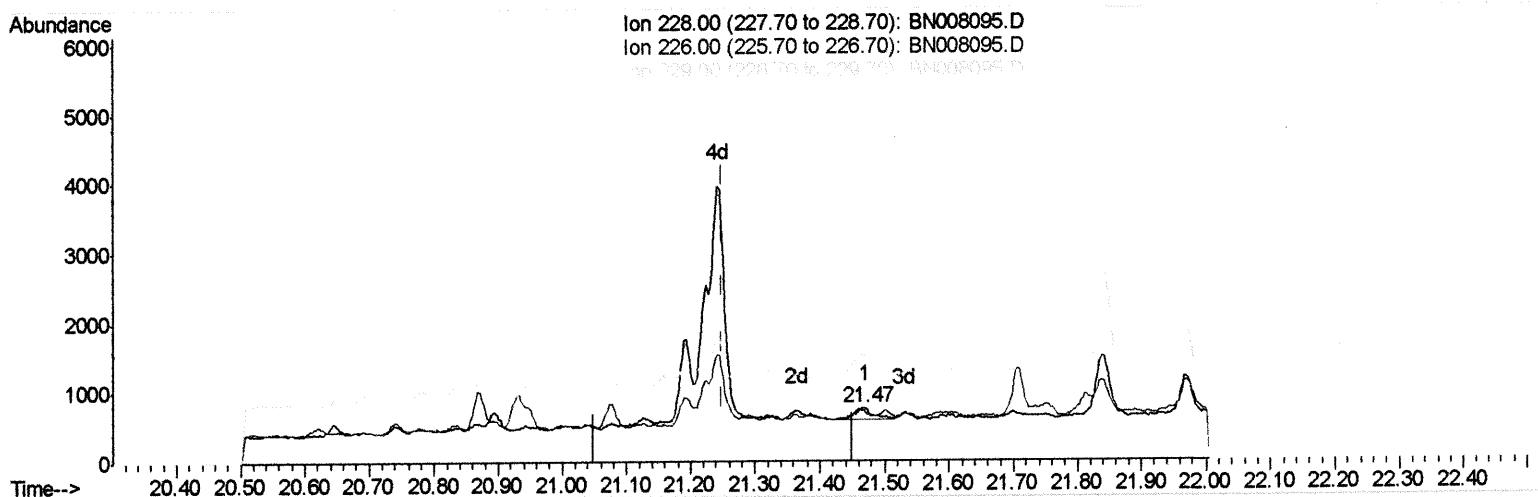
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
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mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(19) Chrysene

21.470min (+0.219) 0.00ng/ul

response 362

Ion	Exp%	Act%
228.00	100	100
226.00	30.10	91.06#
229.00	20.20	194.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

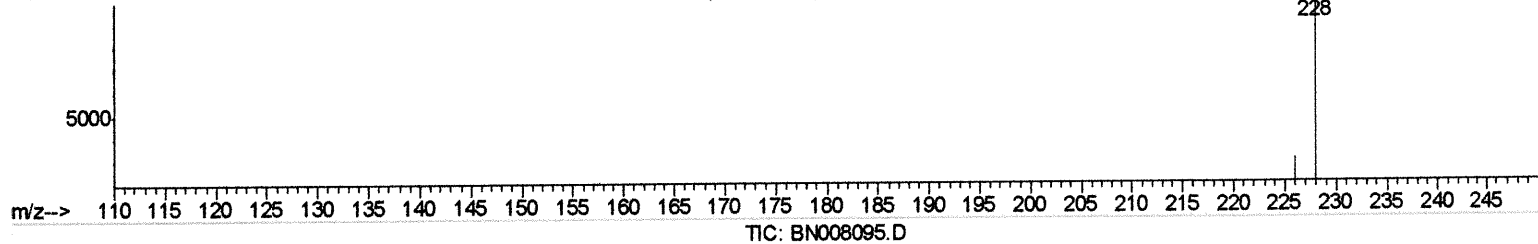
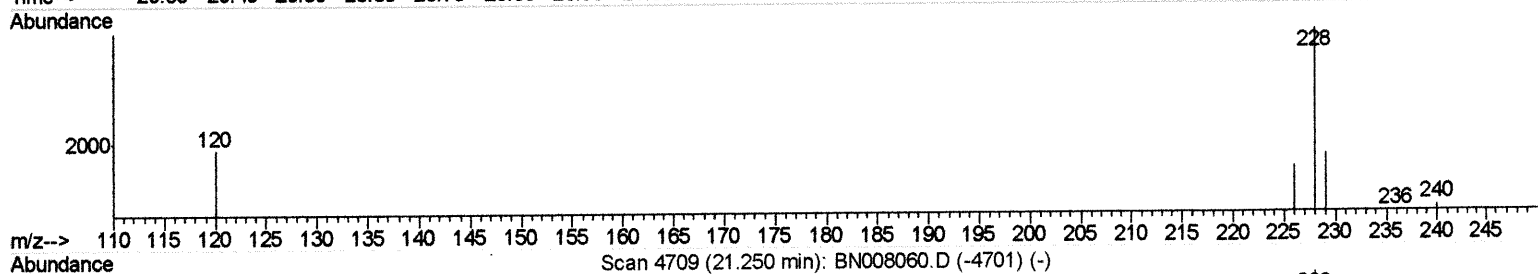
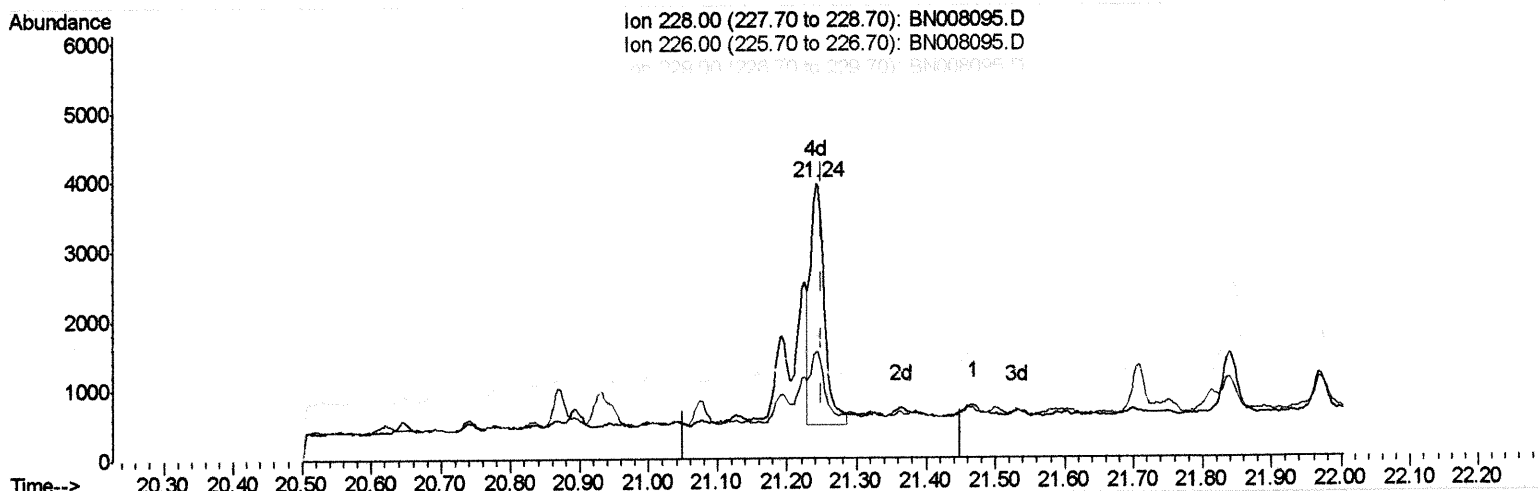
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
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mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(19) Chrysene

21.242min (-0.009) 0.06ng/ul m JU 10/16/19

response 4897

Ion	Exp%	Act%
228.00	100	100
226.00	30.10	38.77#
229.00	20.20	44.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

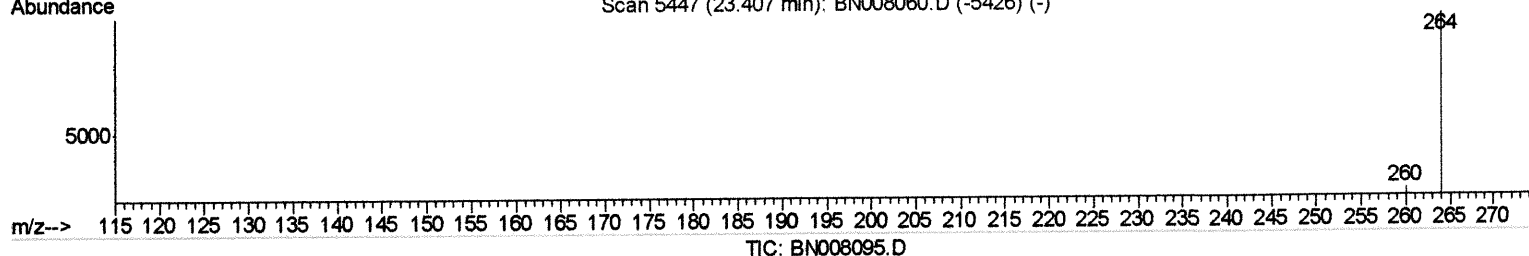
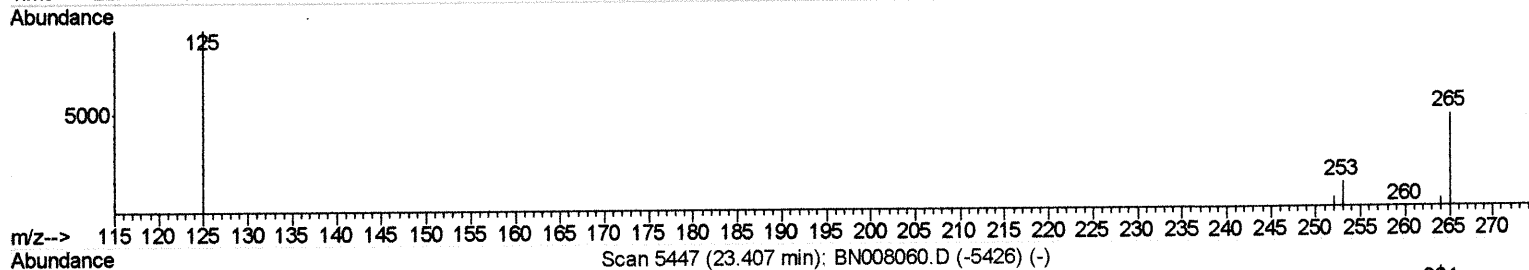
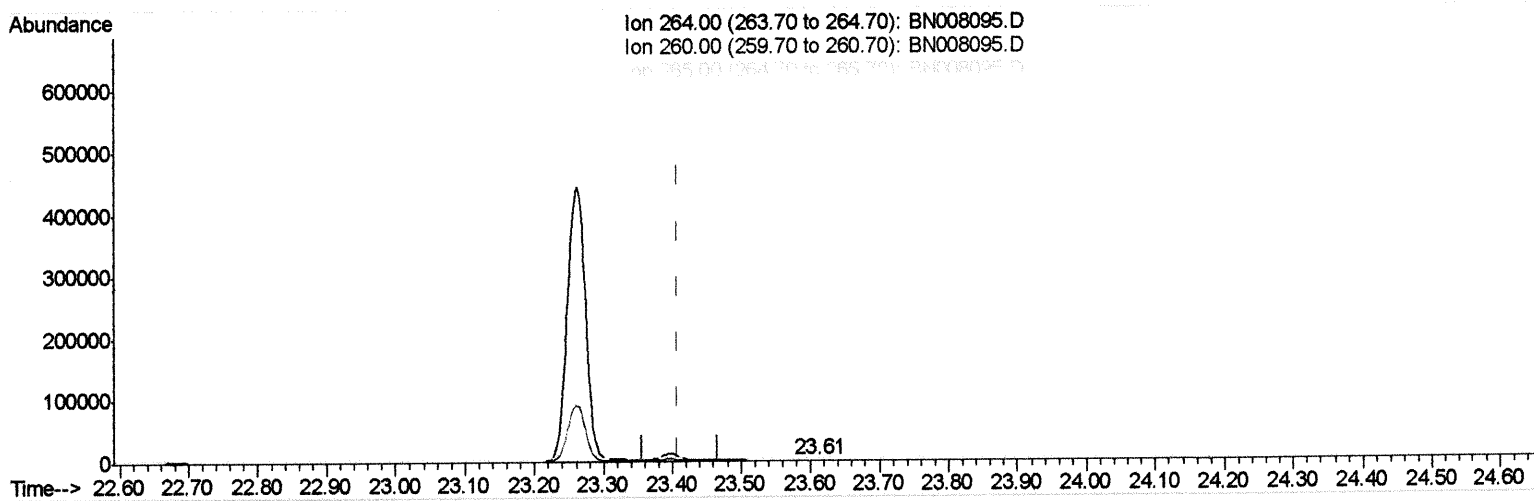
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
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Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.609min (+0.202) 0.40ng/ul

response 398

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	65.95#
265.00	74.00	462.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

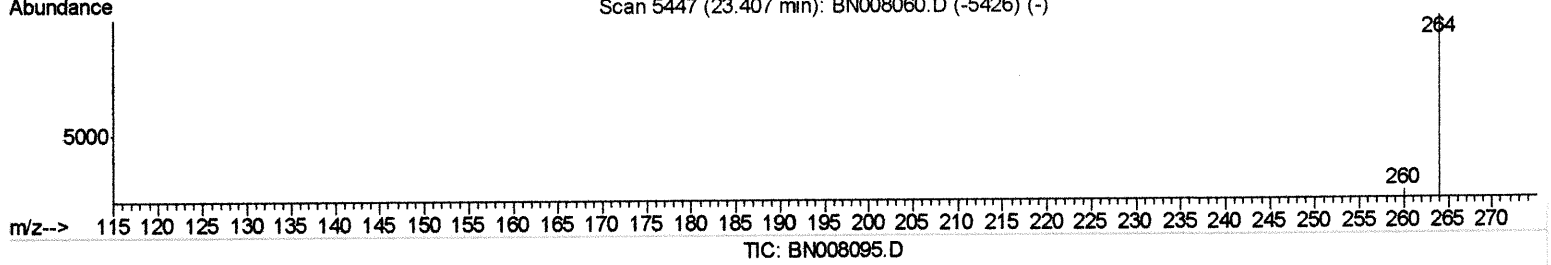
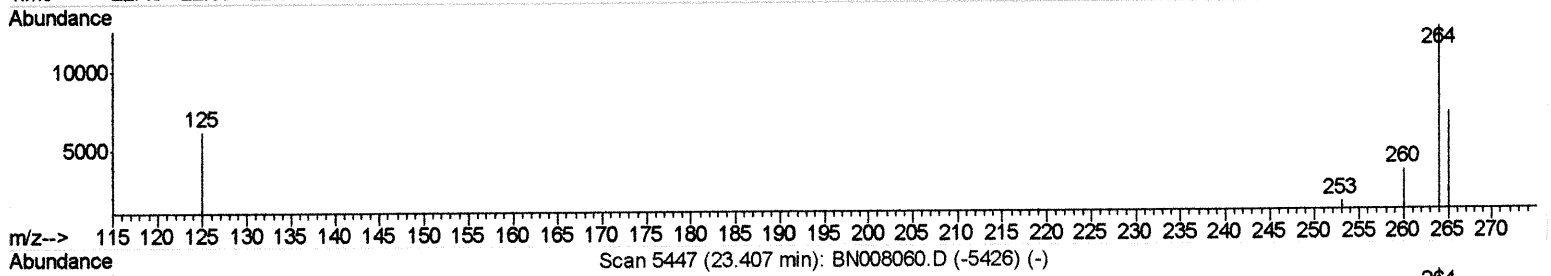
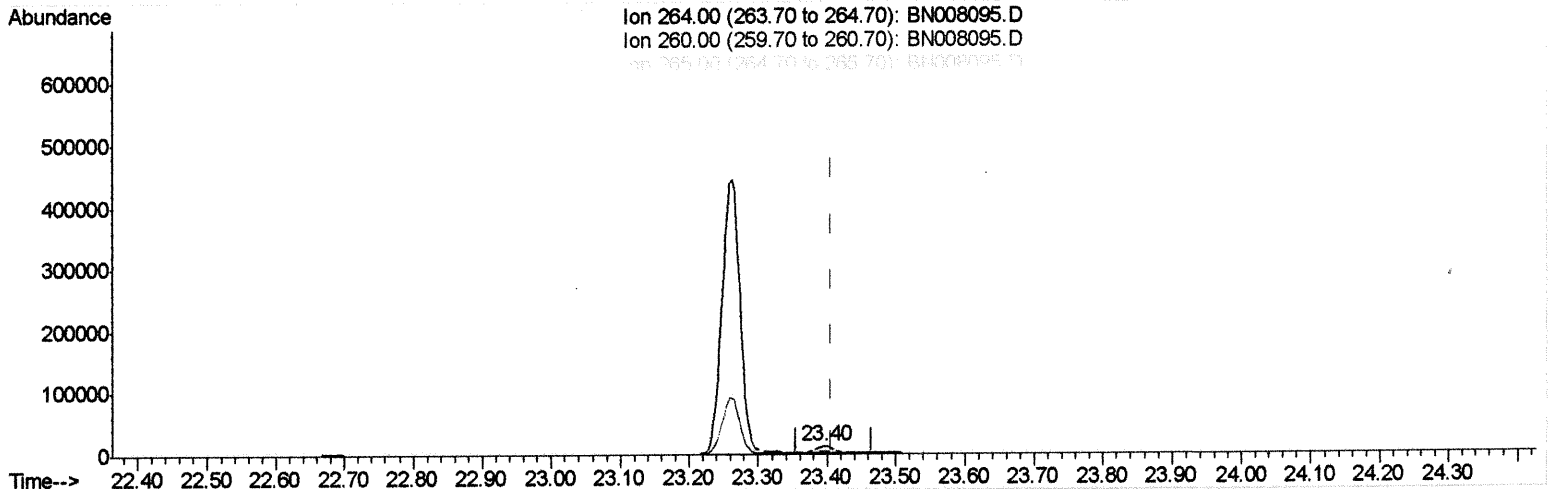
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
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mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:14:56 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.396min (-0.011) 0.40ng/ul m JU 10/16/19

response 18722

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	28.16
265.00	74.00	56.52#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
 Data File : BN008095.D
 Acq On : 12 Oct 2019 02:50
 Operator : JU
 Sample : K5124-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM74

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:57:42 AM

Quant Time: Oct 14 15:17:20 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2414	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11307	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.26	164	7426	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	17123m	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	18144m	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	18722m	0.40	ng/ul	-0.01

JU 10/16/19

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.99	152	2883	0.15	ng/ul	-0.01
14) Fluoranthene-d10	19.04	212	10182m	0.17	ng/ul	0.00

JU 10/16/19

Target Compounds

					Qvalue	
3) Naphthalene	10.44	128	943	0.029	ng/ul#	76
5) 2-Methylnaphthalene	12.07	142	632	0.029	ng/ul	98
12) Phenanthrene	17.05	178	3643m	0.073	ng/ul	
15) Fluoranthene	19.07	202	6334m	0.096	ng/ul	
17) Pyrene	19.44	202	6786m	0.094	ng/ul	
18) Benzo(a)anthracene	21.19	228	1825m	0.028	ng/ul	
19) Chrysene	21.24	228	4897m	0.060	ng/ul	

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