

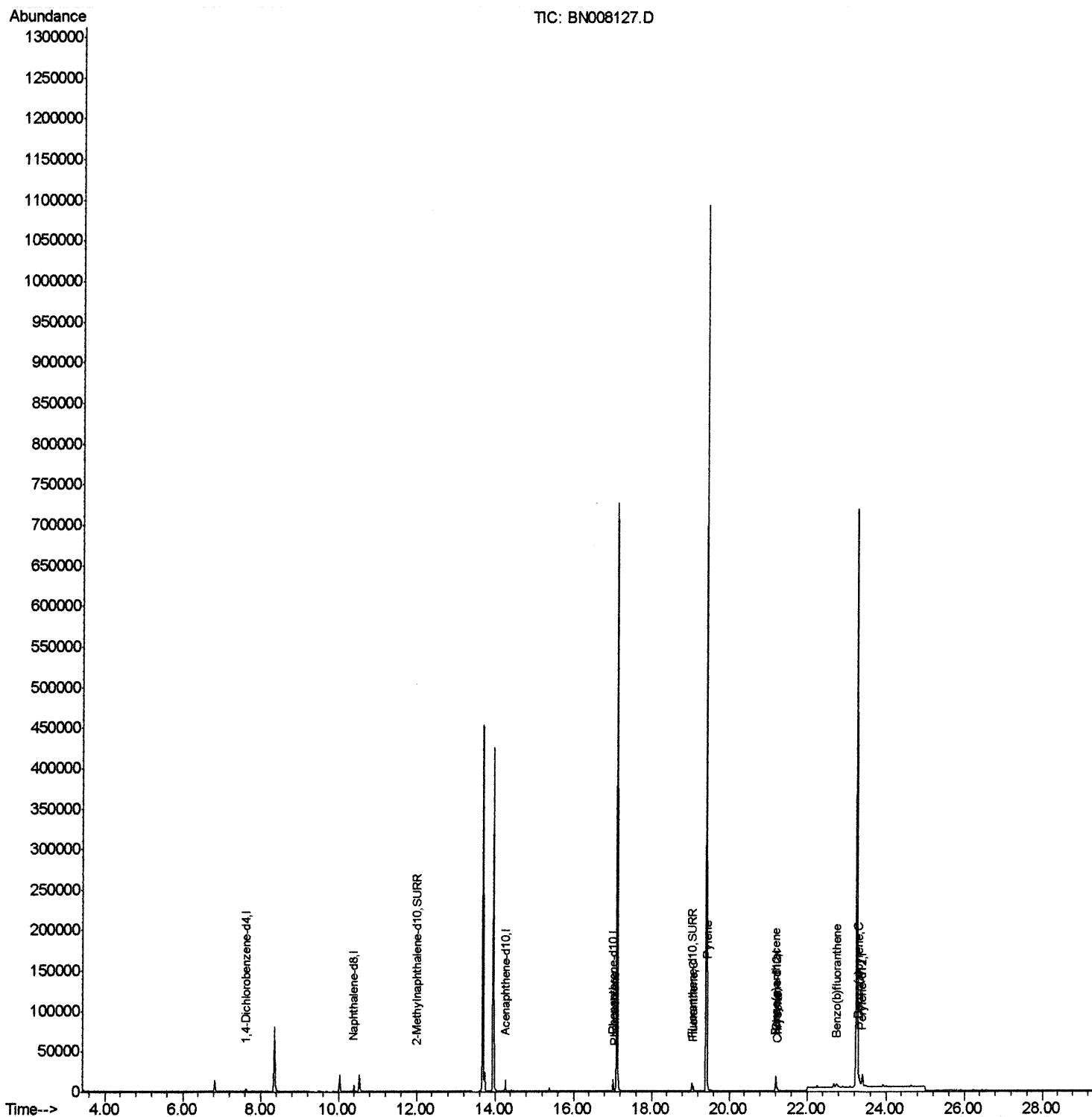
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:09:50 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



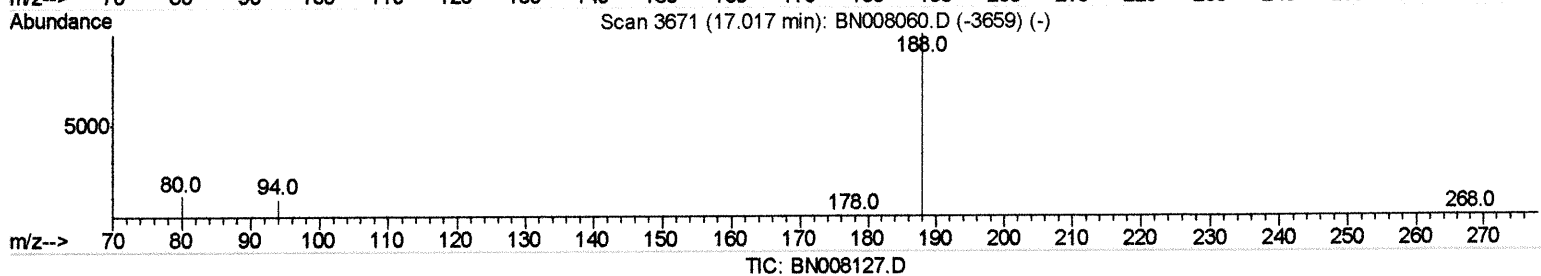
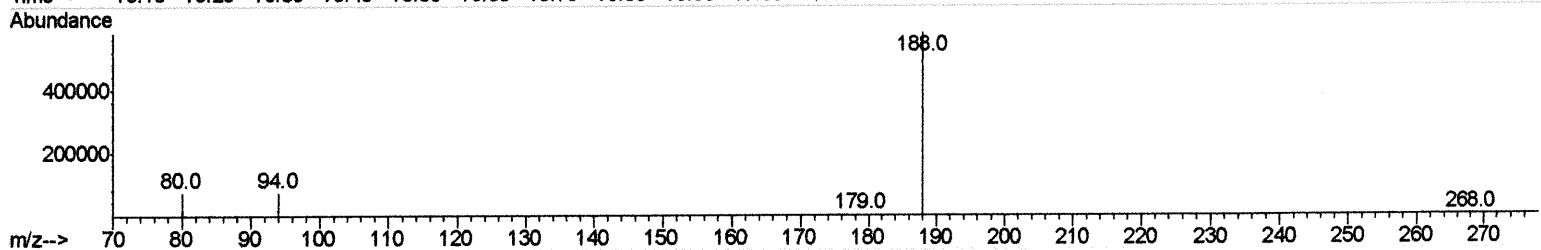
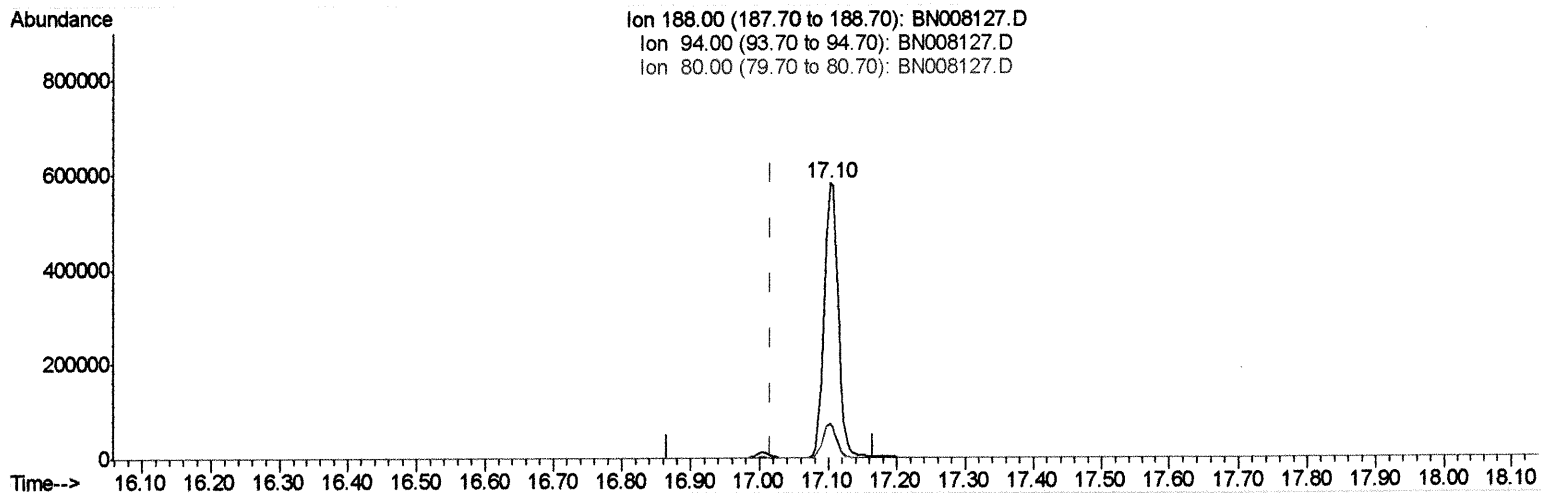
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:02:12 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)

17.101min (+0.085) 0.40ng/ul

response 812938

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.64
80.00	12.60	12.39
0.00	0.00	0.00

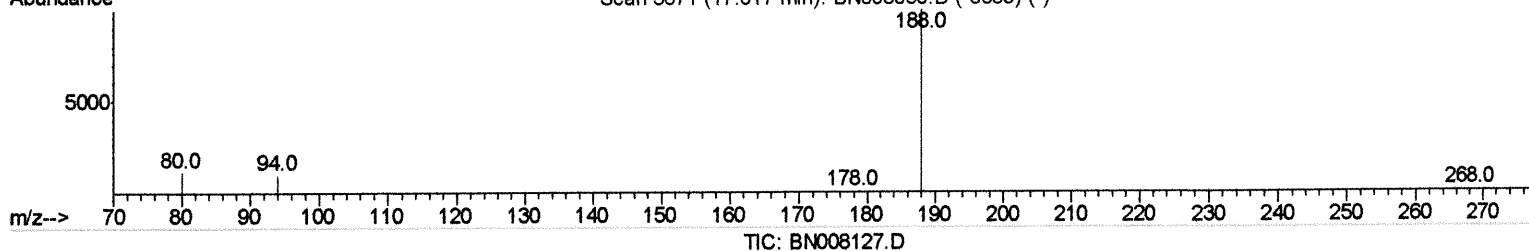
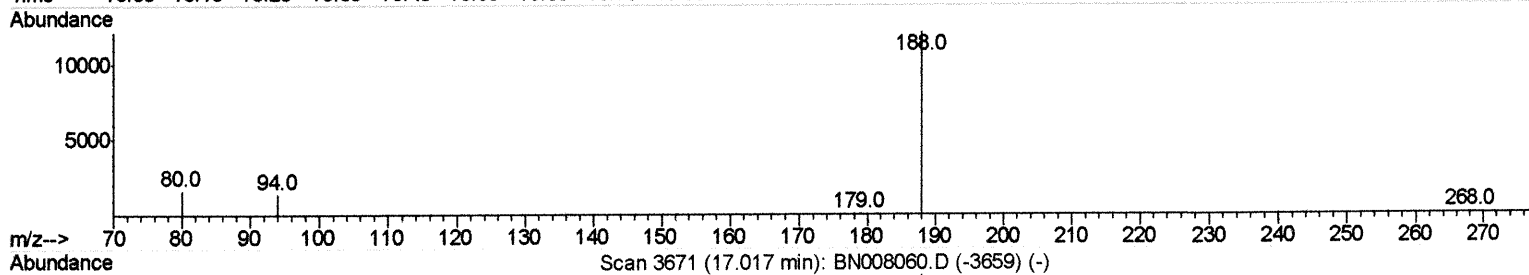
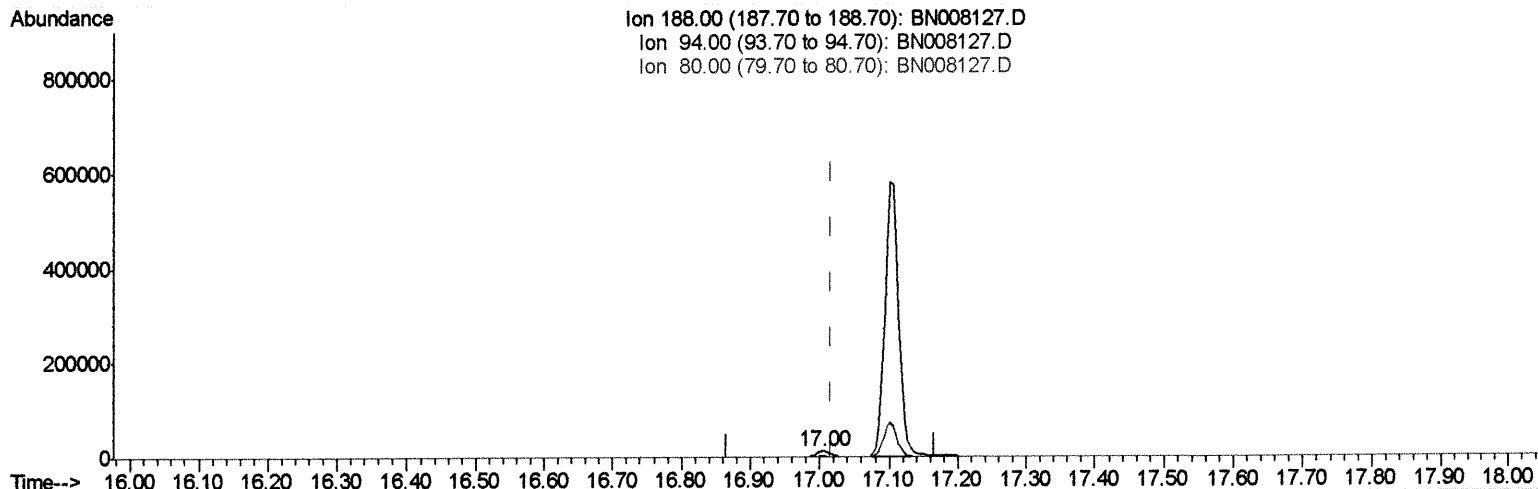
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008127.D
 Acq On : 13 Oct 2019 00:54
 Operator : JU
 Sample : K5178-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPJ0

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:02:12 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)

17.004min (-0.013) 0.40ng/ul m *JU 10/16/19*

response 17324

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.36
80.00	12.60	13.70
0.00	0.00	0.00

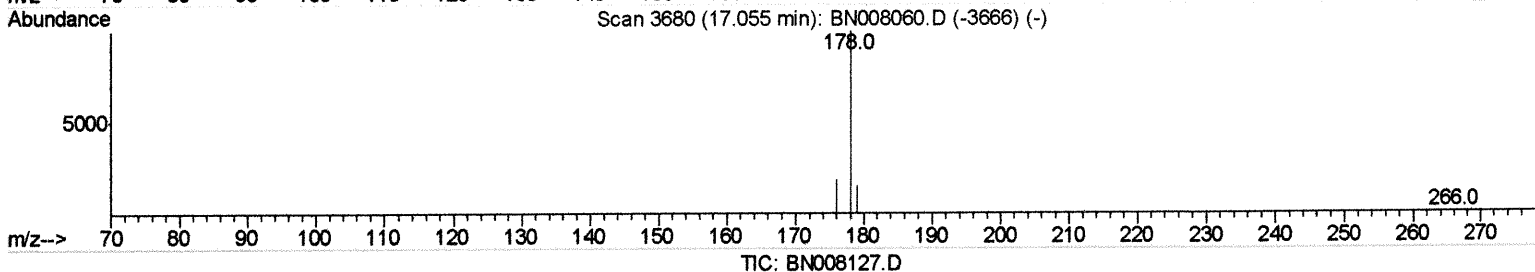
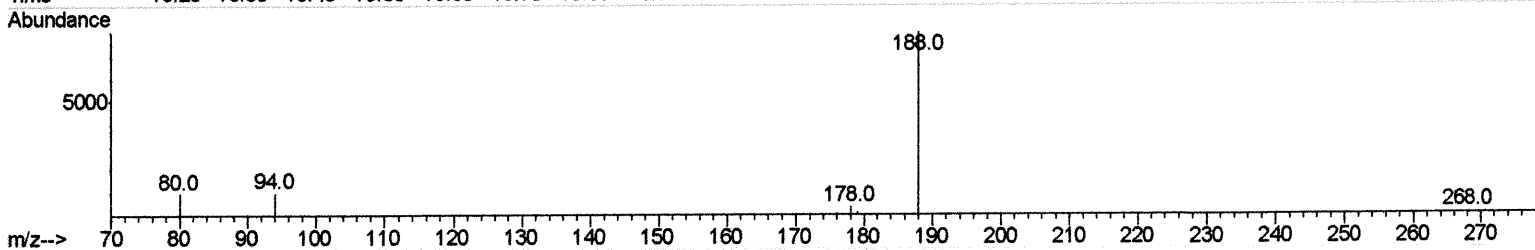
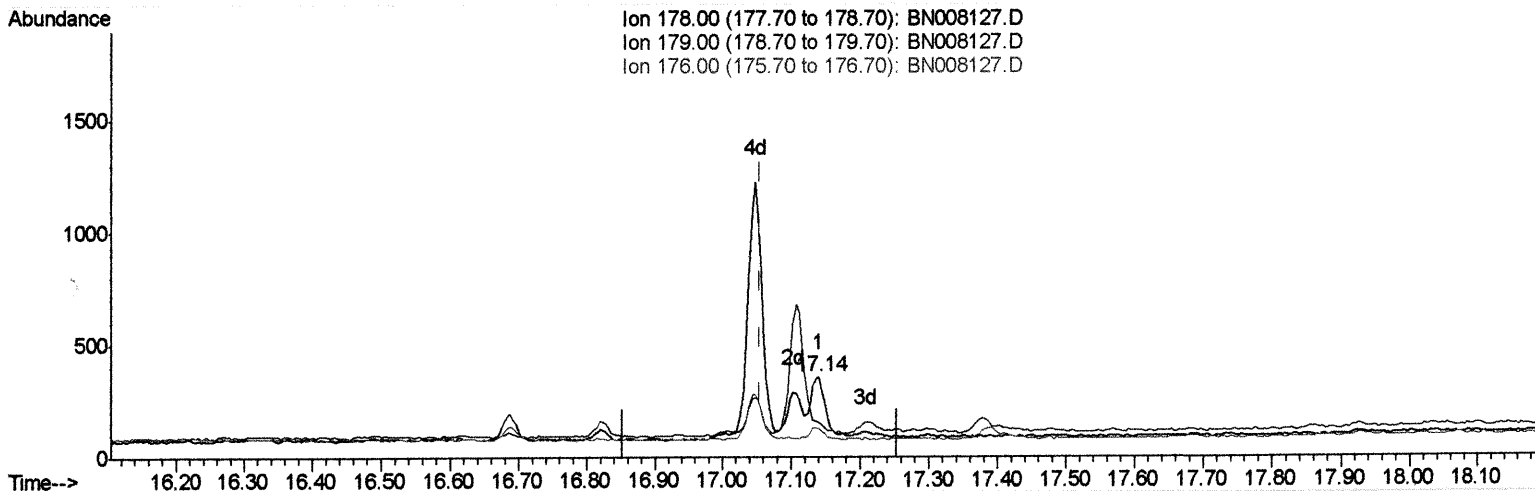
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:04:36 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

17.139min (+0.085) 0.01ng/ui

response 419

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	42.98#
176.00	19.30	35.39#
0.00	0.00	0.00

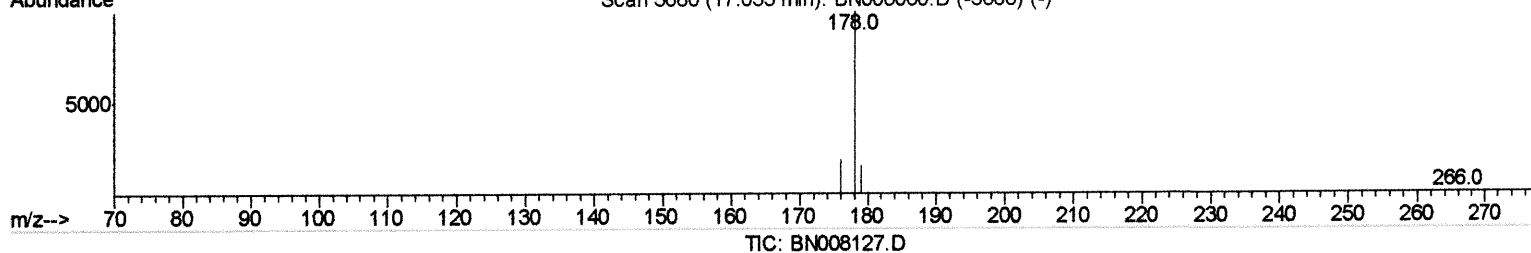
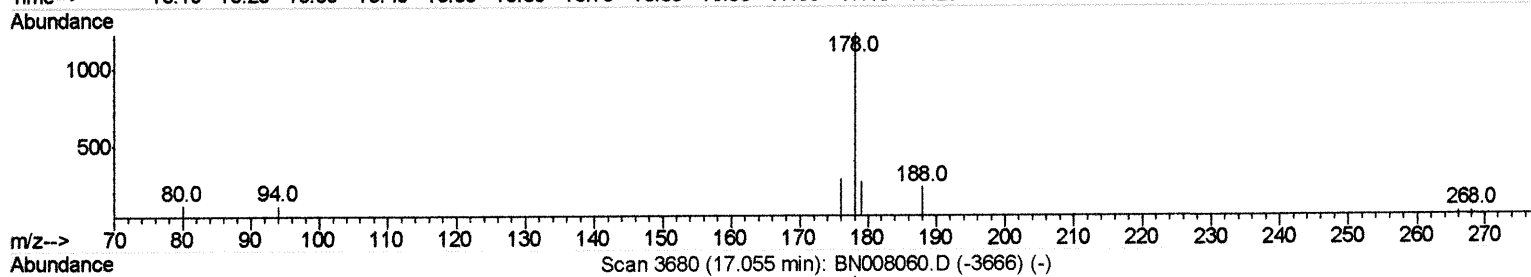
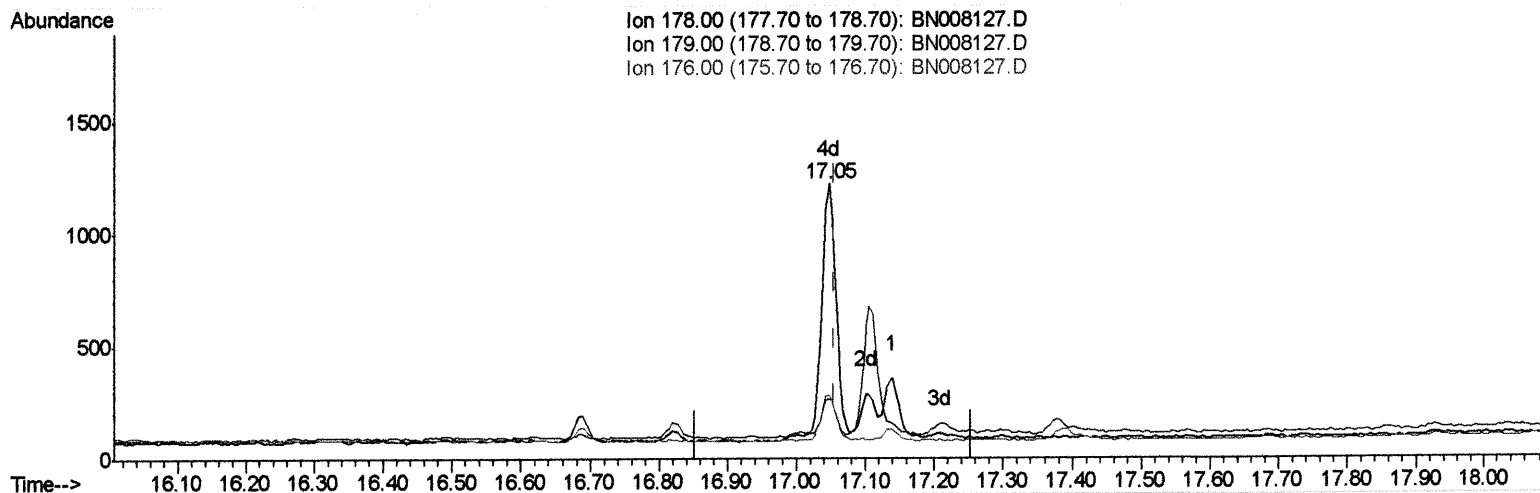
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008127.D
 Acq On : 13 Oct 2019 00:54
 Operator : JU
 Sample : K5178-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPJ0

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:04:36 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

17.047min (-0.008) 0.03ng/ul m

24/10/16/19

response 1590

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	22.03#
176.00	19.30	23.10
0.00	0.00	0.00

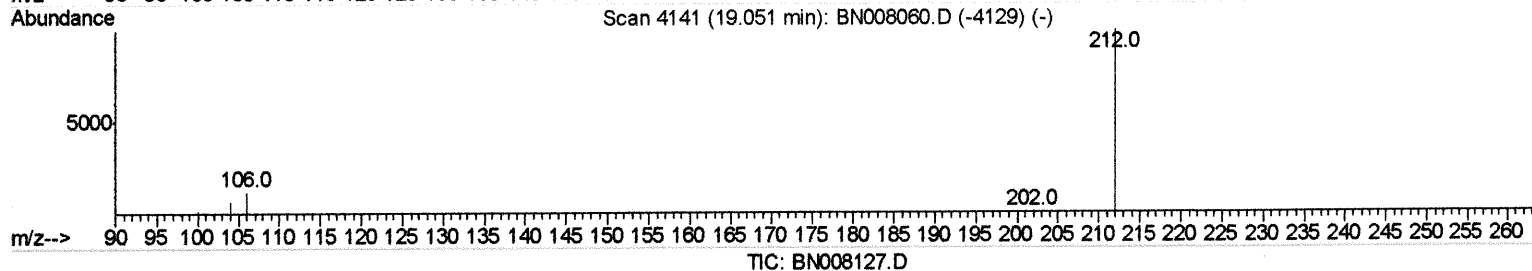
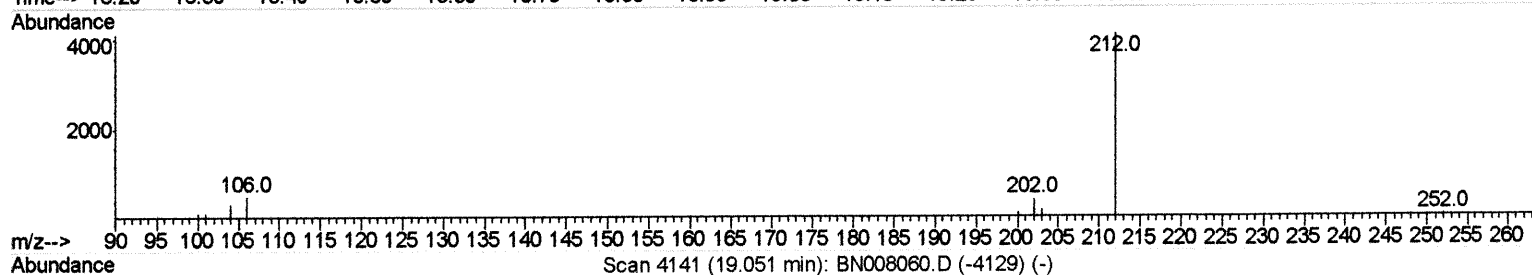
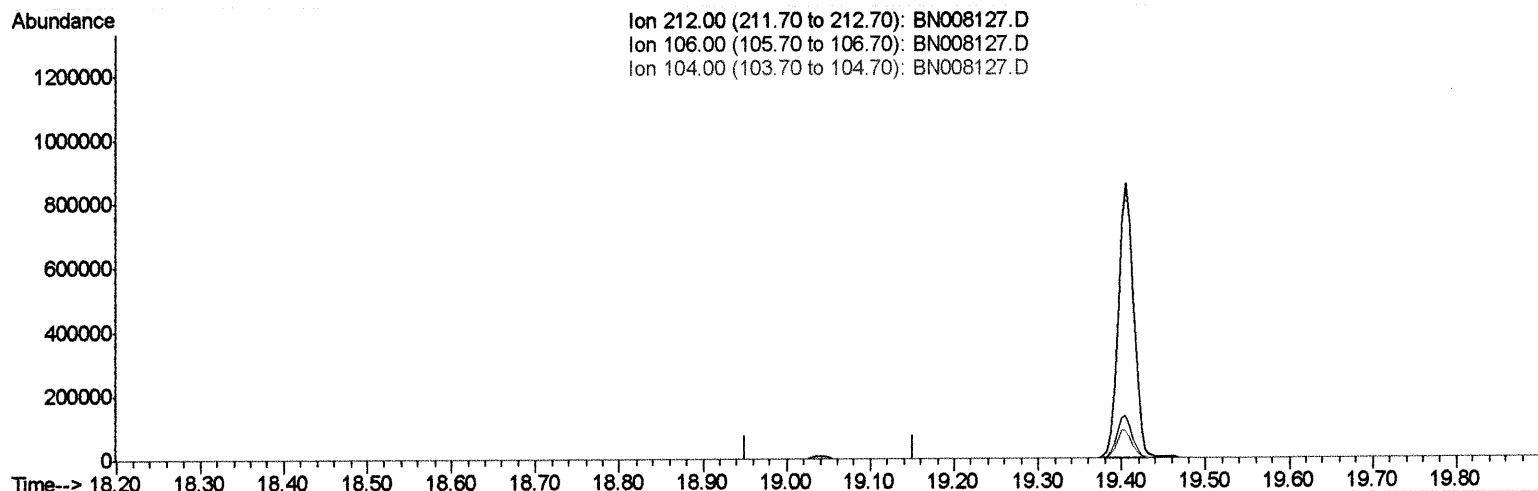
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:05:31 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

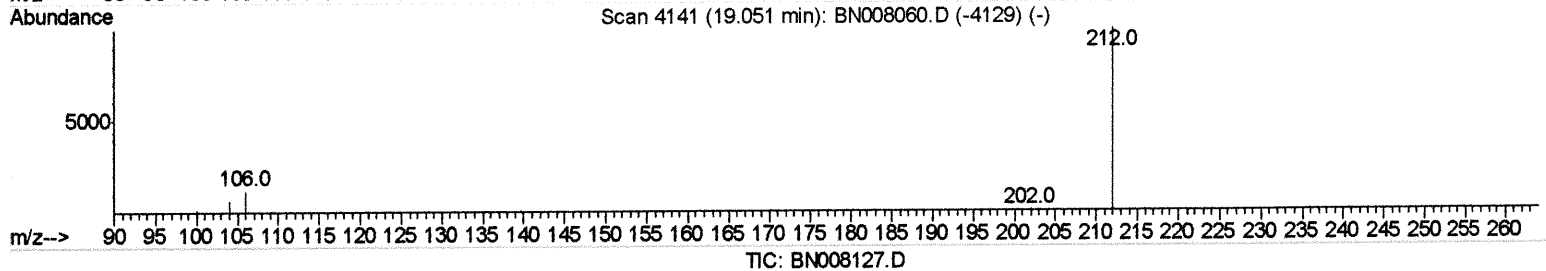
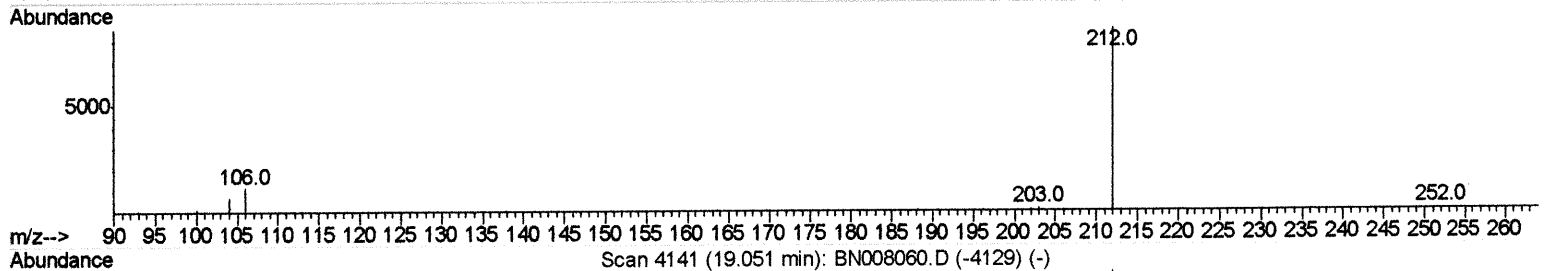
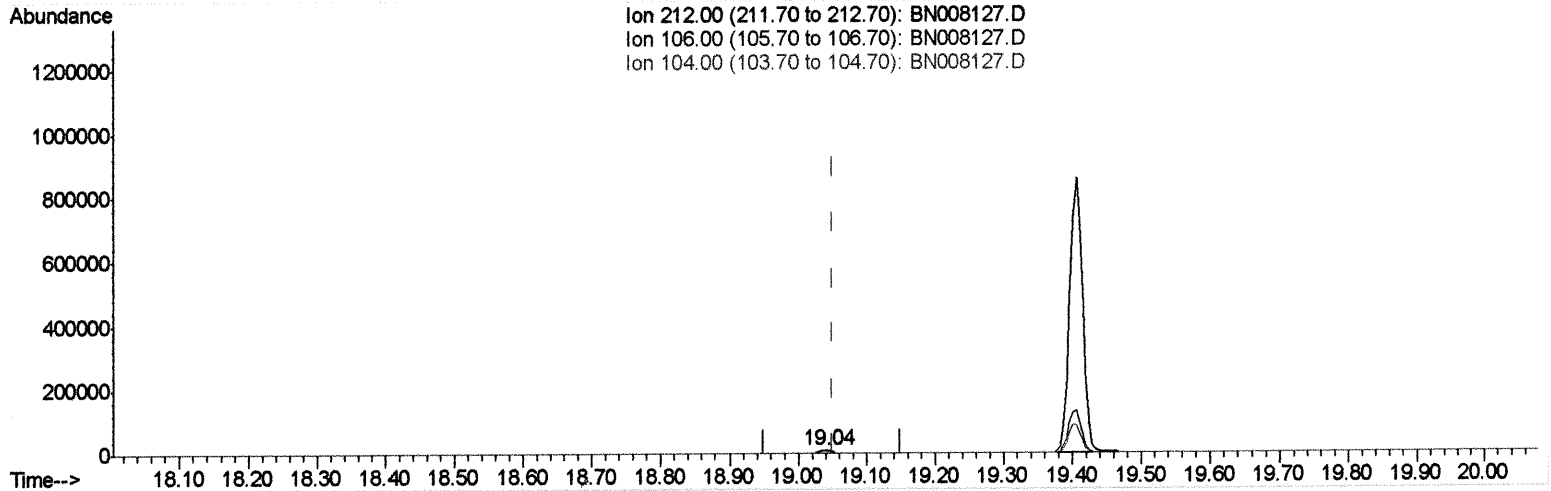
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:05:31 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) 0.20ng/ul m *JU 10/16/19*

response 12199

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

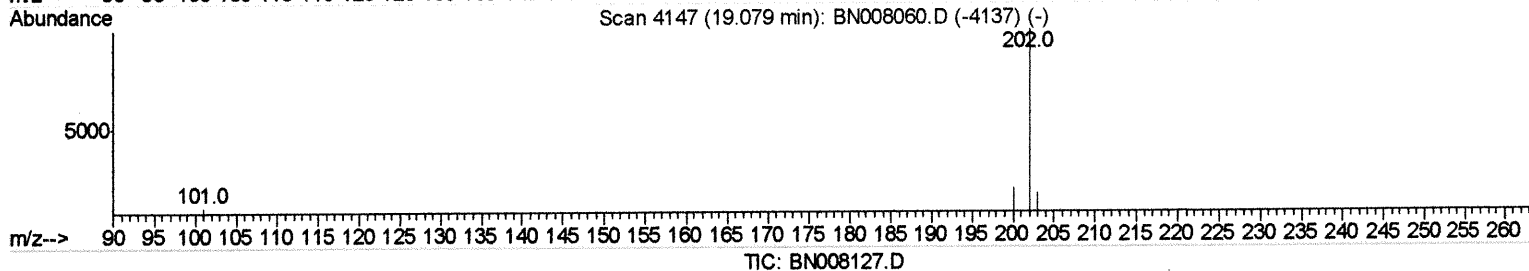
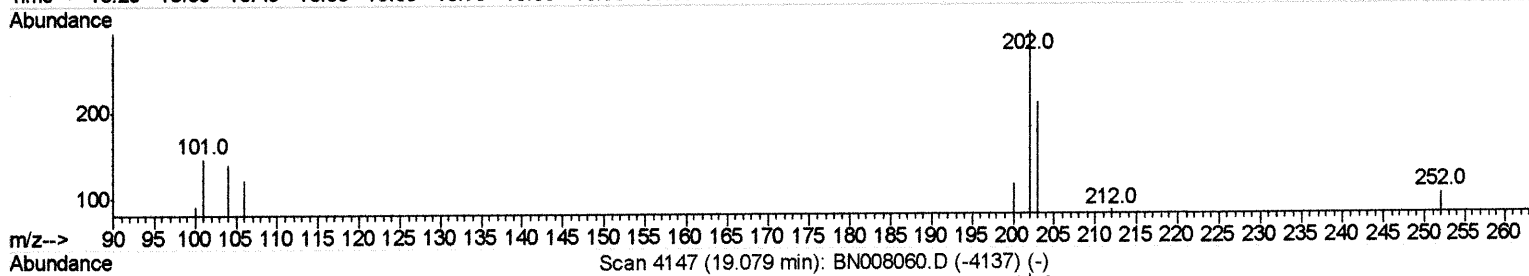
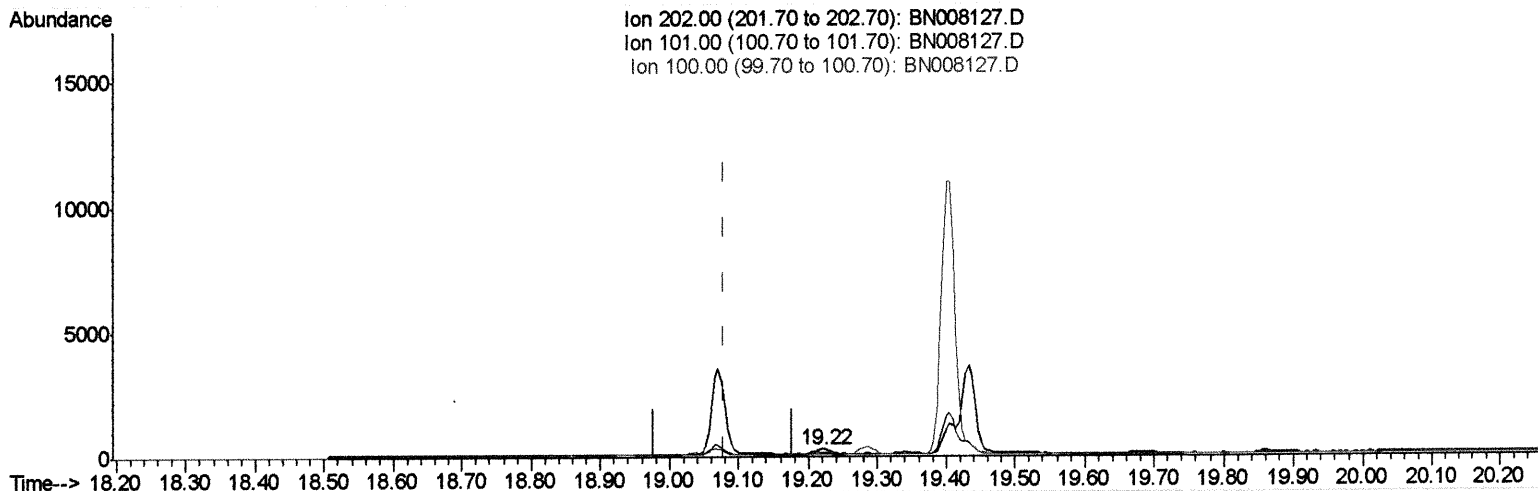
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:05:31 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)

19.223min (+0.144) 0.00ng/ul

response 267

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	50.17#
100.00	8.50	31.06#
0.00	0.00	0.00

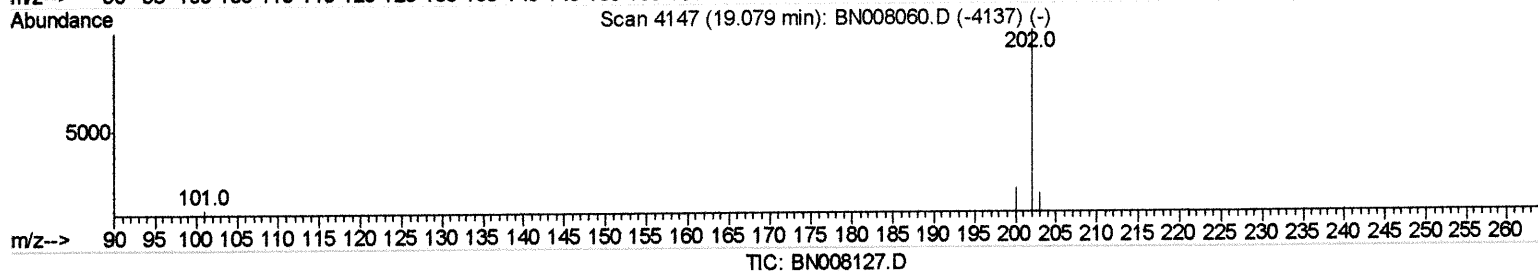
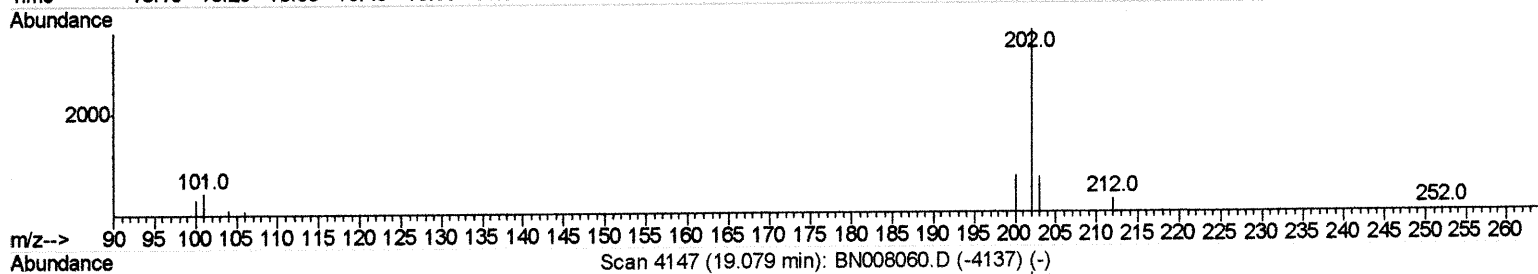
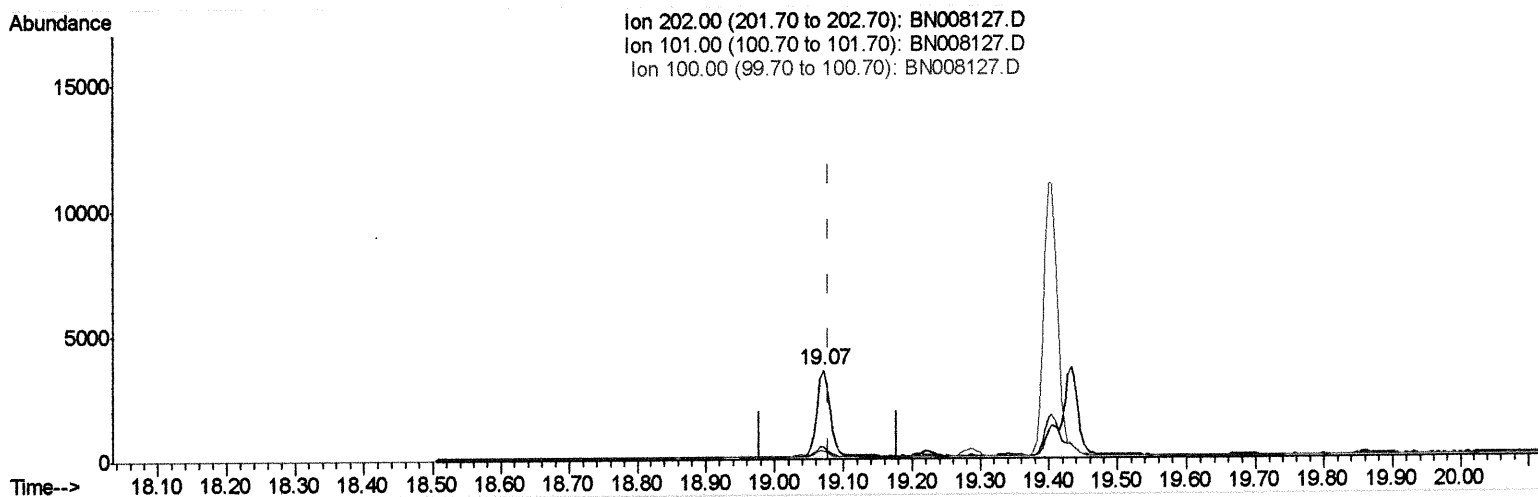
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:05:31 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) 0.07ng/ul m *du 10/16/19*

response 4698

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	13.47
100.00	8.50	10.06
0.00	0.00	0.00

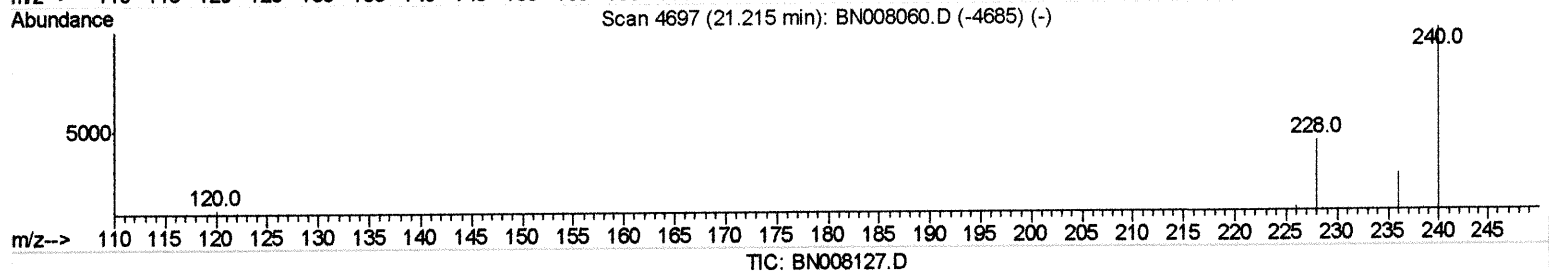
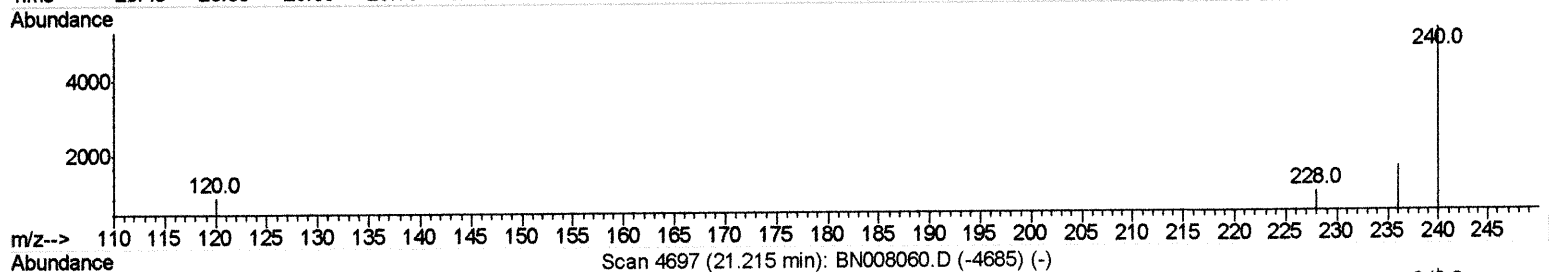
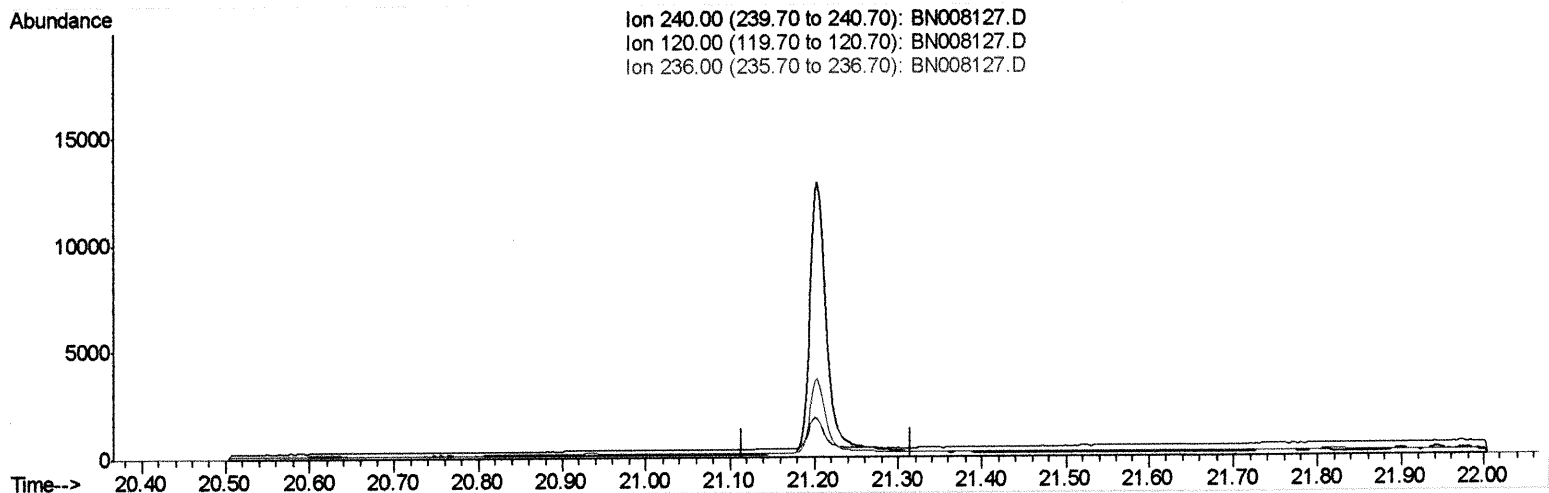
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:05:31 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)

21.215min (-21.215) 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

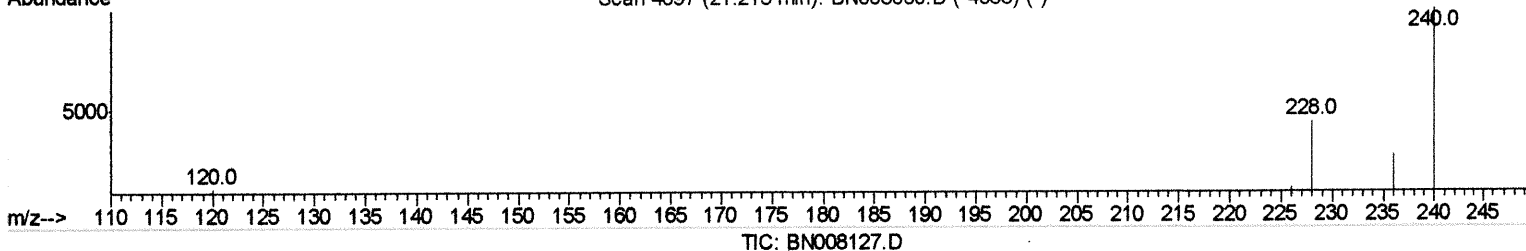
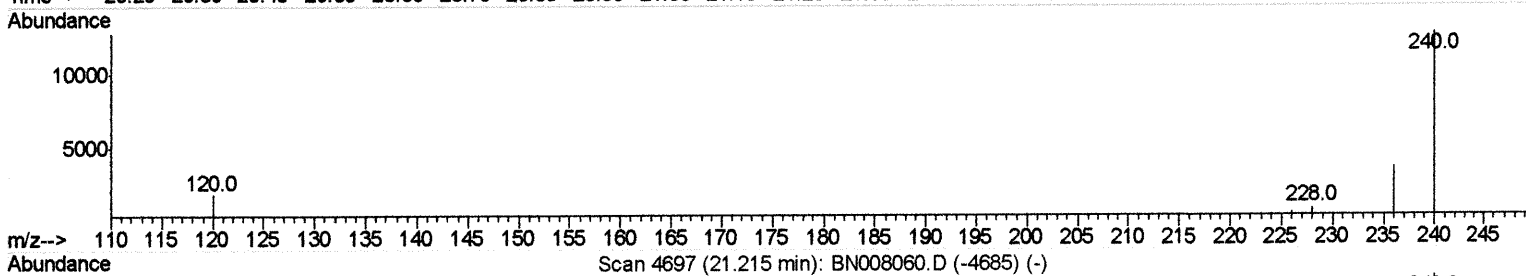
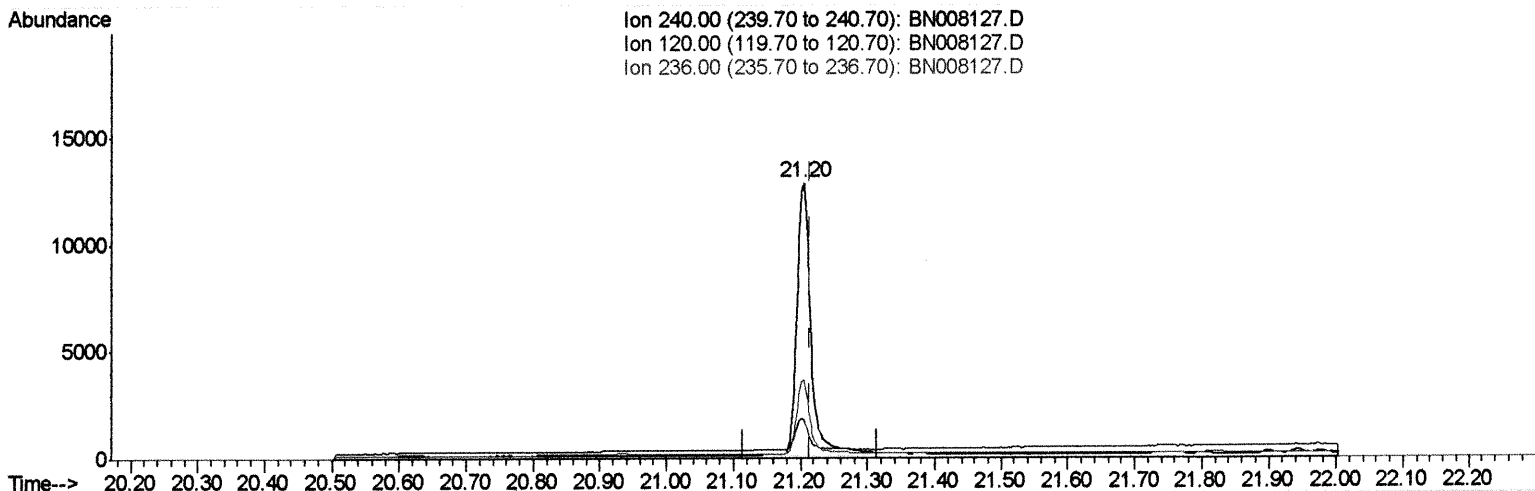
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
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Quant Time: Oct 14 01:05:31 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)

21.204min (-0.012) 0.40ng/ul m *24 10/16/19*

response 18487

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.13
236.00	28.40	28.47
0.00	0.00	0.00

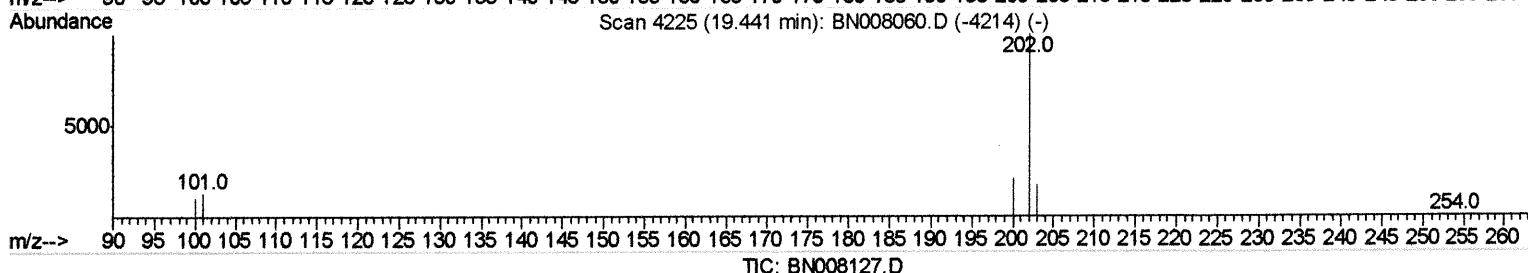
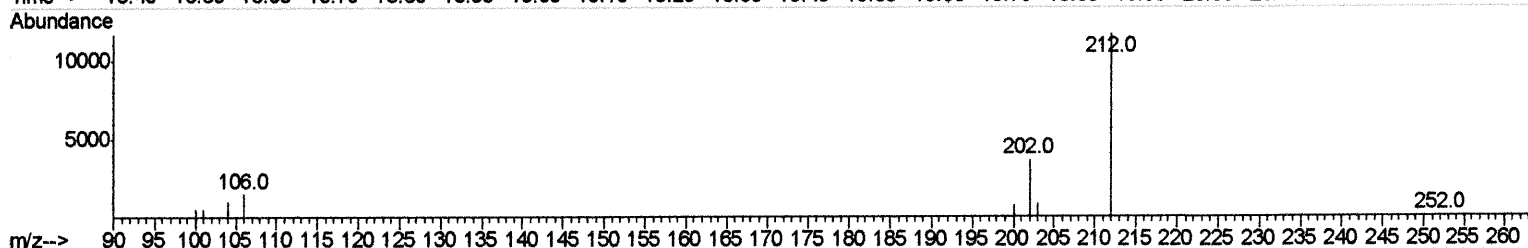
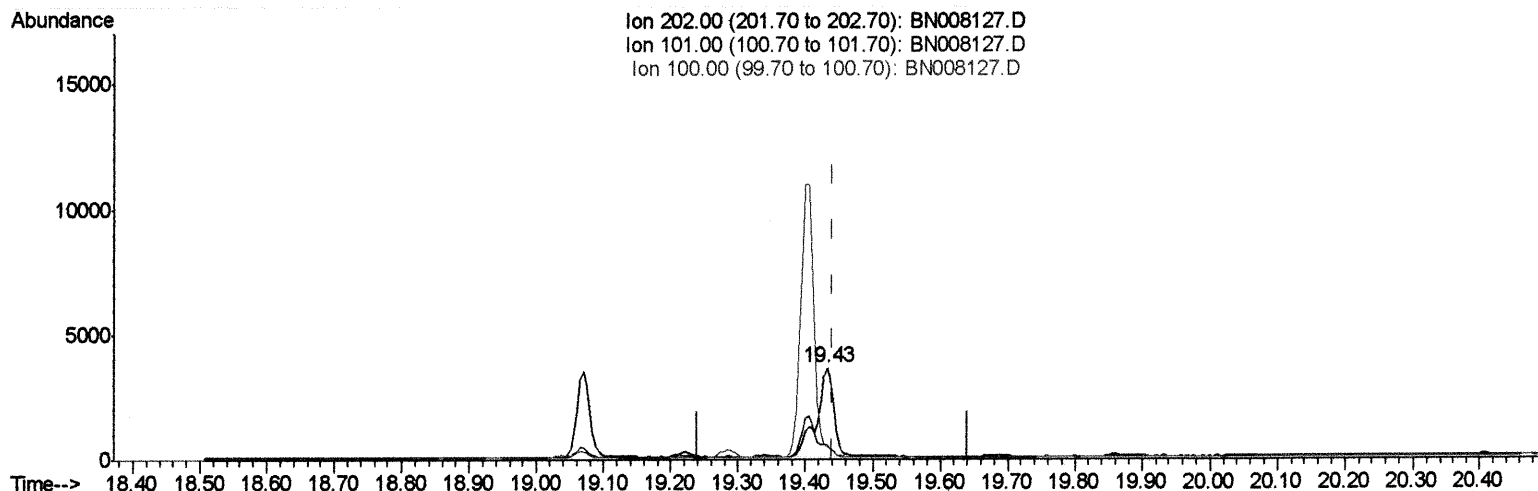
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Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:07:18 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

19.432min (-0.009) 0.09ng/ul

response 6287

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	16.10
100.00	10.90	15.72#
0.00	0.00	0.00

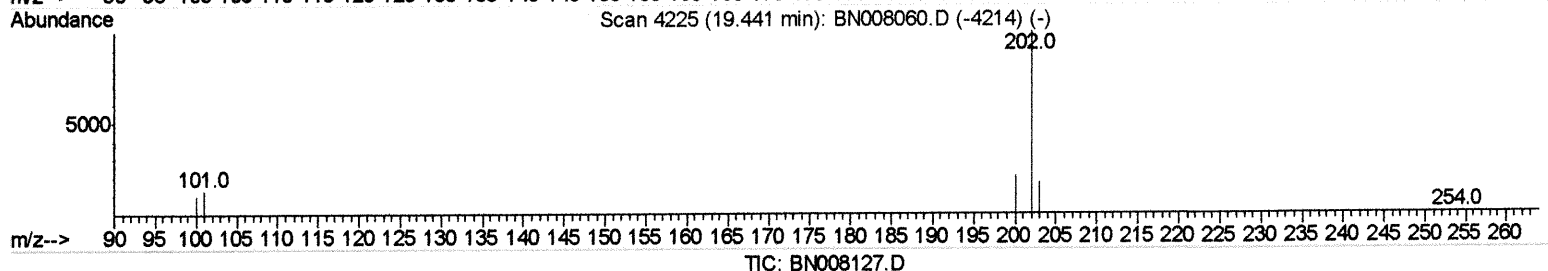
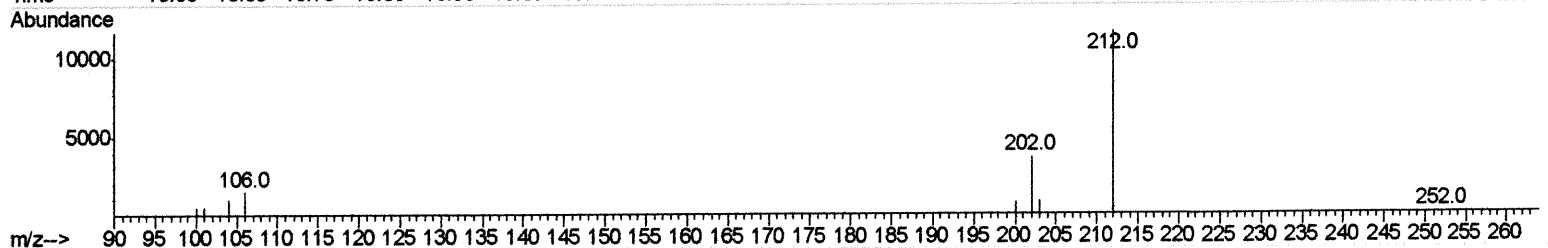
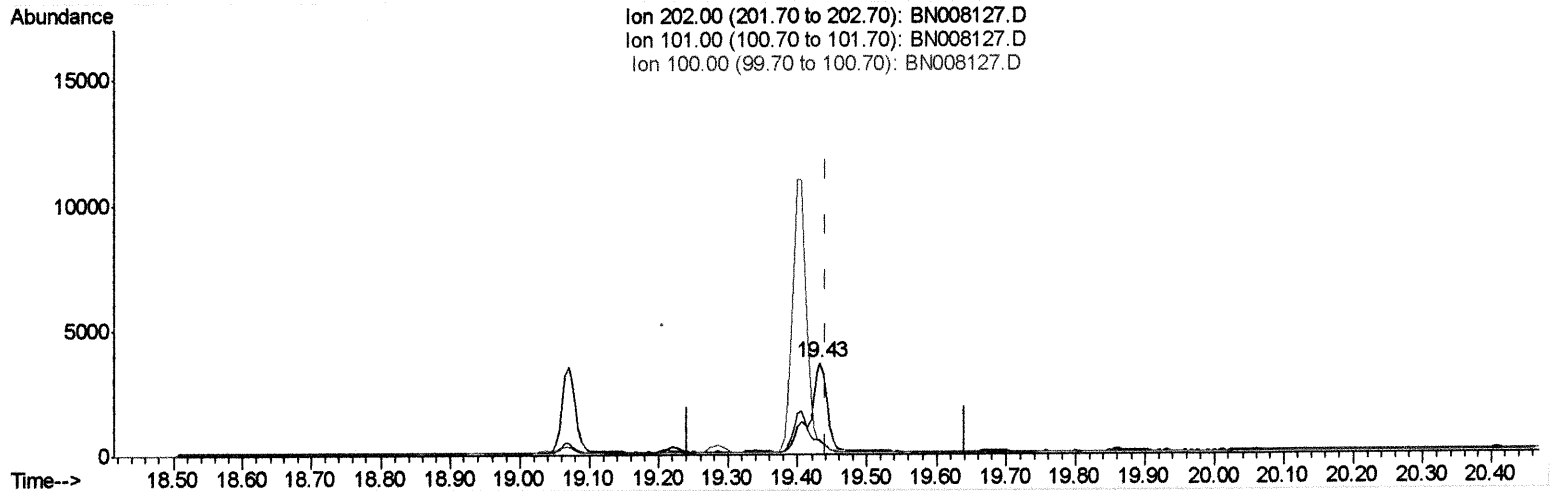
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 Operator : JU
 Sample : K5178-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:07:18 2019
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(17) Pyrene

19.432min (-0.009) 0.06ng/ul m JU 10/16/19

response 4678

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	16.10
100.00	10.90	15.72#
0.00	0.00	0.00

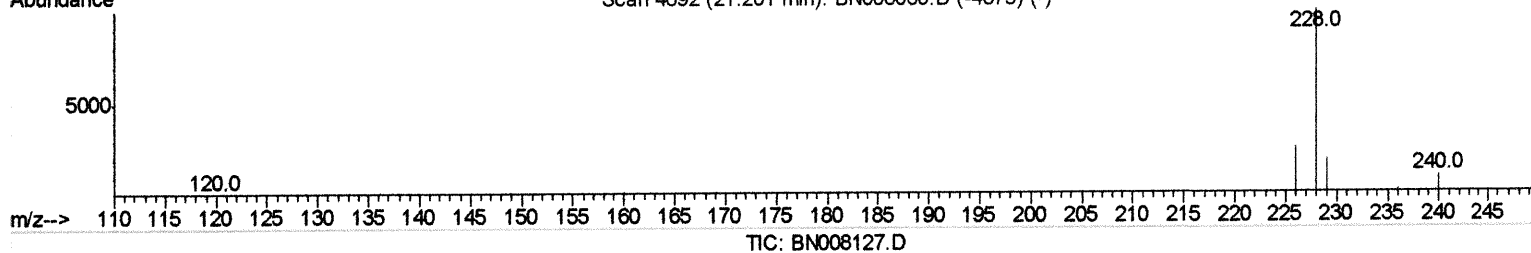
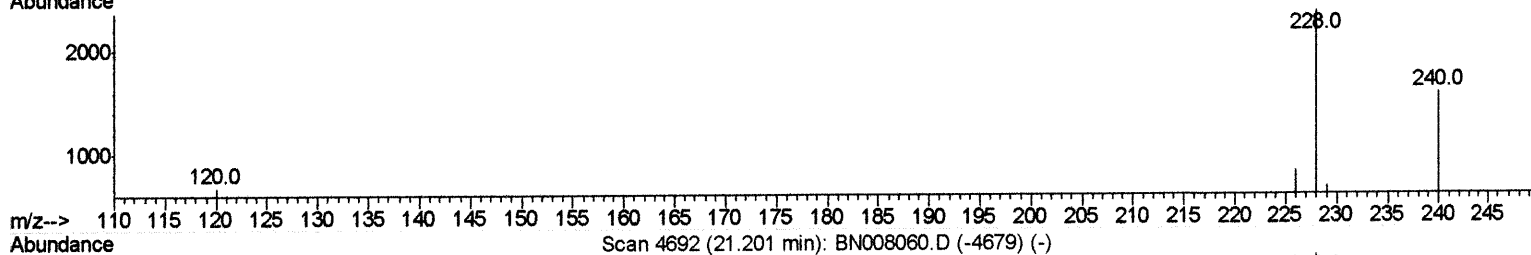
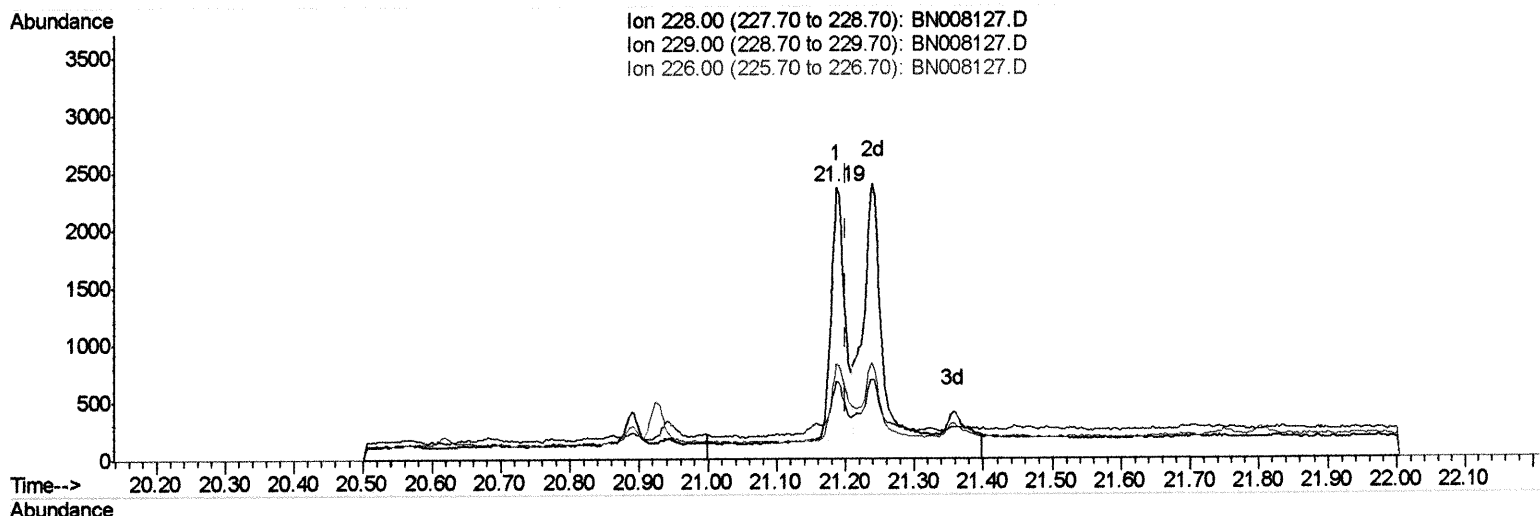
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ALS Vial : 11 Sample Multiplier: 1

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Manual Integrations
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Response via : Initial Calibration



(18) Benzo(a)anthracene

21.186min (-0.014) 0.05ng/ul

response 3139

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	28.55#
226.00	26.70	34.98#
0.00	0.00	0.00

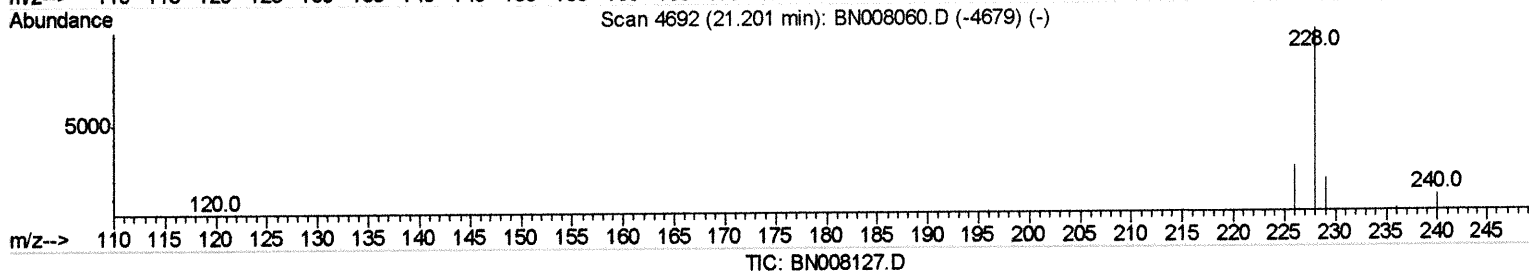
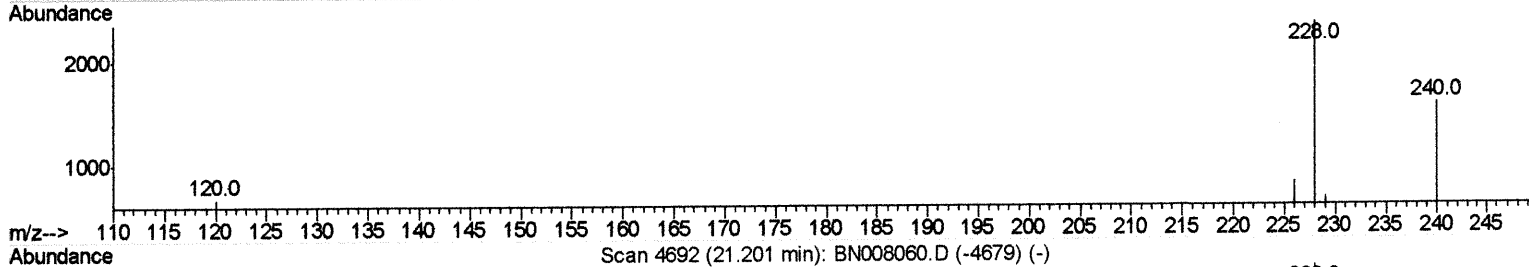
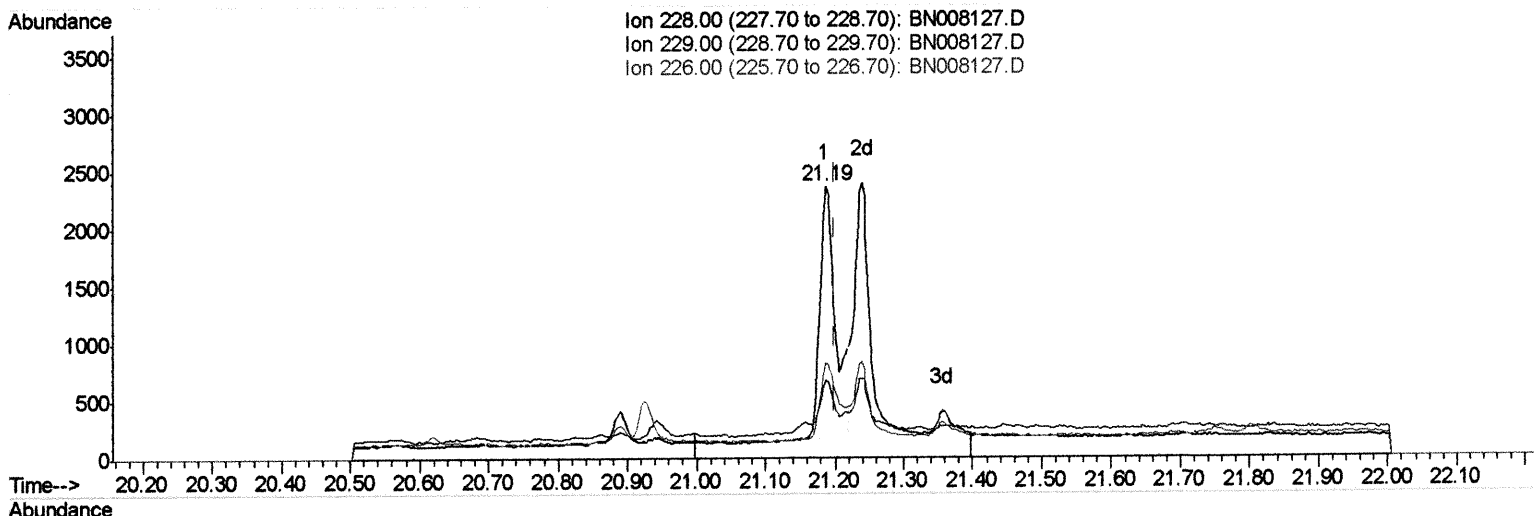
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:07:18 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

21.186min (-0.014) 0.05ng/ul m

PL 10/16/19

response 3466

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	28.55#
226.00	26.70	34.98#
0.00	0.00	0.00

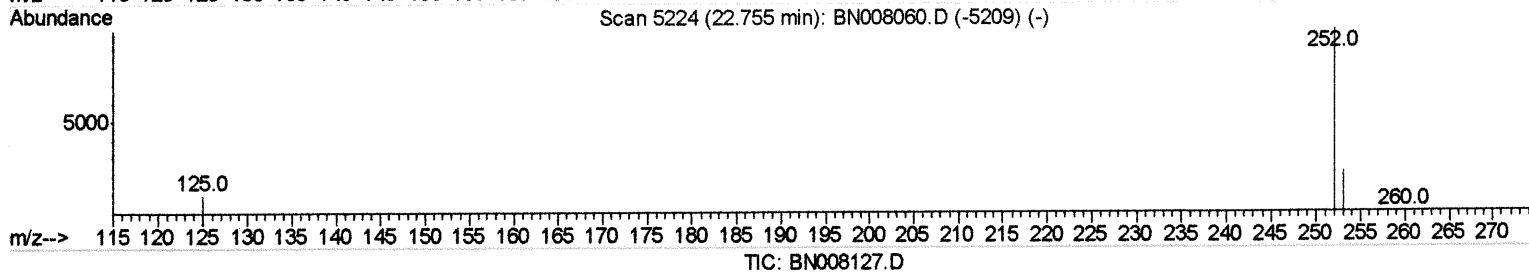
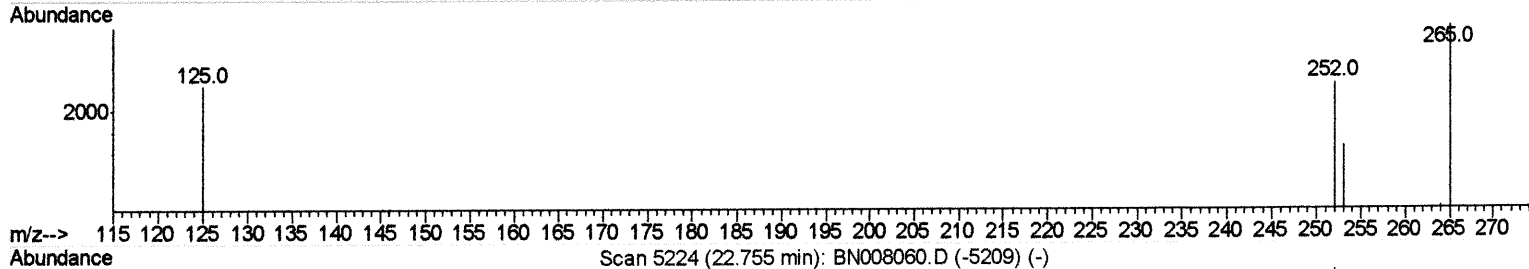
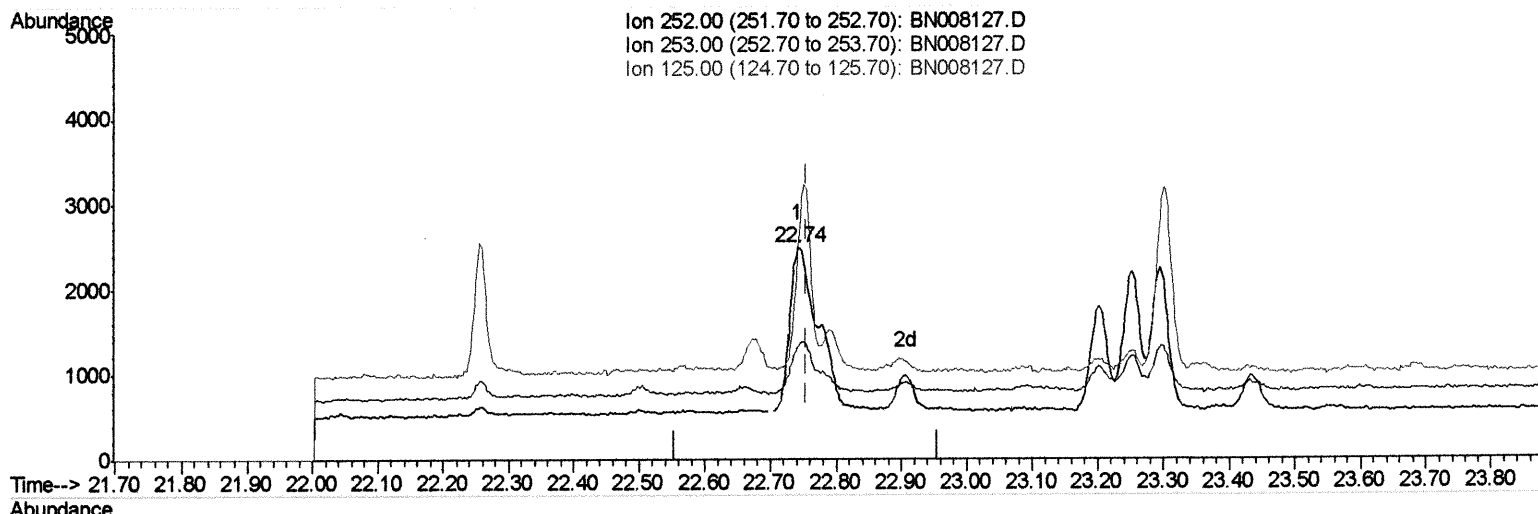
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:07:18 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



(21) Benzo(b)fluoranthene

22.741min (-0.014) 0.10ng/ul

response 5942

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	52.89
125.00	16.20	98.31#
0.00	0.00	0.00

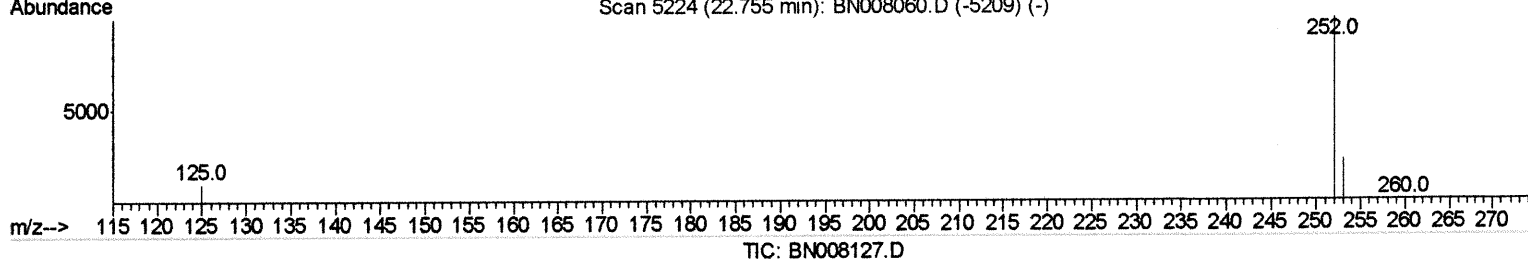
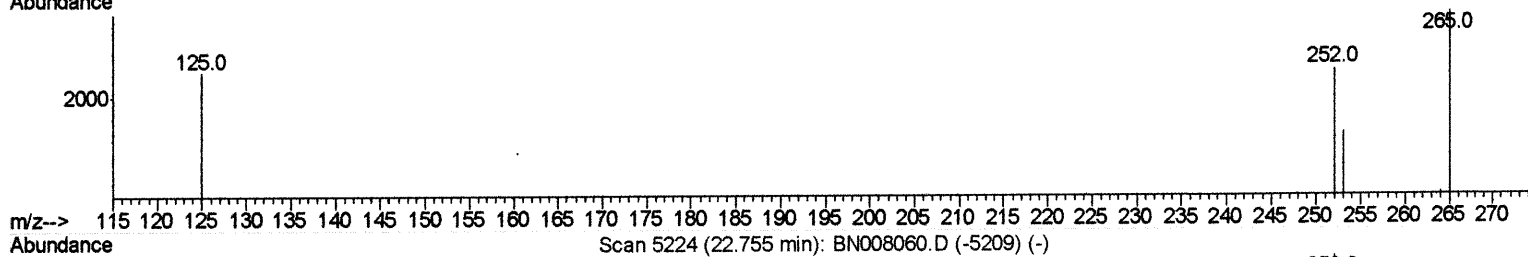
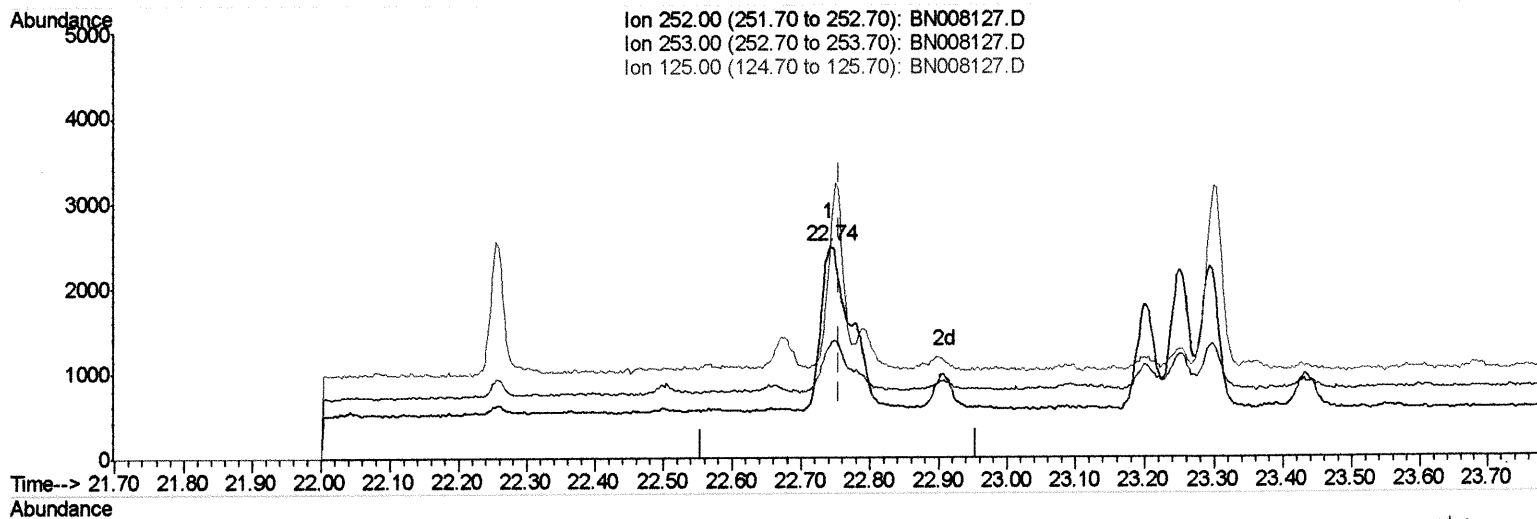
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008127.D
Acq On : 13 Oct 2019 00:54
Operator : JU
Sample : K5178-18
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPJ0

Manual Integrations
APPROVED

mohammad
10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:07:18 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



(21) Benzo(b)fluoranthene

22.741min (-0.014) 0.08ng/ul m

22 10/16/19

response 4599

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	52.89
125.00	16.20	98.31#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008127.D
 Acq On : 13 Oct 2019 00:54
 Operator : JU
 Sample : K5178-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPJ0

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:59:31 AM

Quant Time: Oct 14 01:09:50 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	2405	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	11650	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.26	164	7611	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	17324m	0.40	ng/ul	-0.01
16) Chrysene-d12	21.20	240	18487m	0.40	ng/ul	-0.01
20) Perylene-d12	23.39	264	17902	0.40	ng/ul	-0.02

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.99	152	3333	0.17	ng/ul	-0.01
14) Fluoranthene-d10	19.04	212	12199m	0.20	ng/ul	0.00

Target Compounds

				Ovalue
12) Phenanthrene	17.05	178	1590m	0.031 ng/ul
15) Fluoranthene	19.07	202	4698m	0.070 ng/ul
17) Pyrene	19.43	202	4678m	0.064 ng/ul
18) Benzo(a)anthracene	21.19	228	3466m	0.052 ng/ul
19) Chrysene	21.24	228	3614	0.044 ng/ul#
21) Benzo(b)fluoranthene	22.74	252	4599m	0.079 ng/ul
23) Benzo(a)pyrene	23.29	252	2911	0.047 ng/ul#

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