

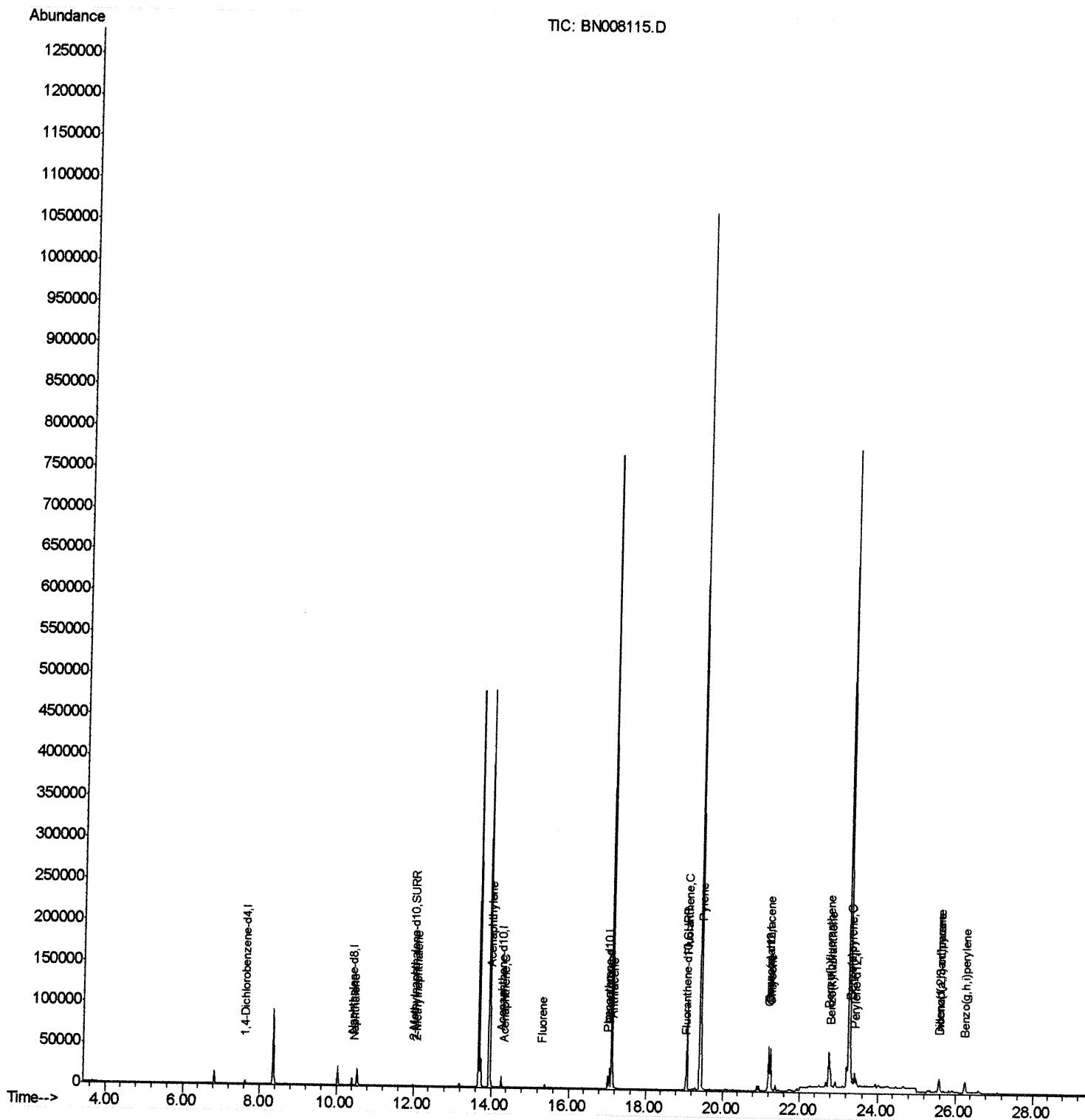
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPE9

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:51:31 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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008115.D

Acq On : 12 Oct 2019 16:33

Operator : JU

Sample : K5178-06

Misc :

ALS Vial : 48 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPE9

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:58 AM

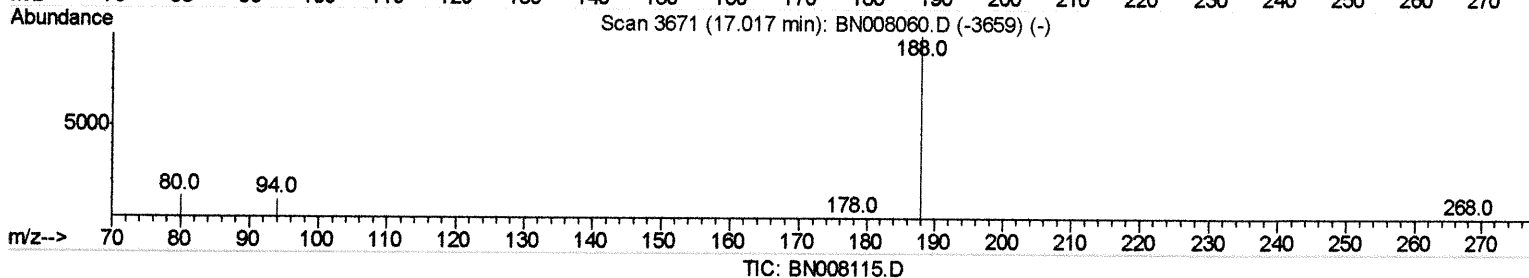
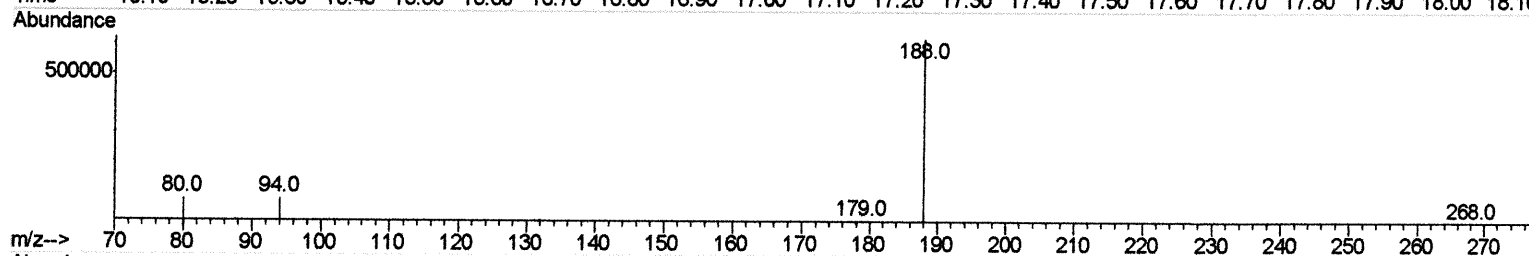
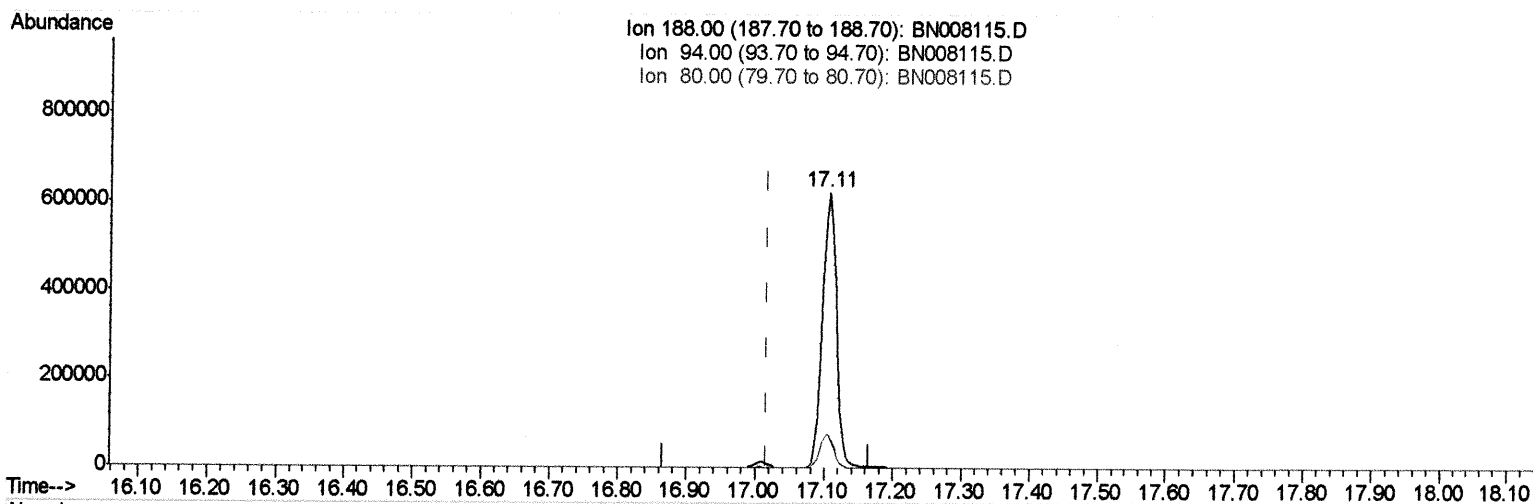
Quant Time: Oct 12 21:41:00 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ui

response 876120

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.94
80.00	12.60	11.68
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008115.D

Acq On : 12 Oct 2019 16:33

Operator : JU

Sample : K5178-06

Misc :

ALS Vial : 48 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPE9

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:58 AM

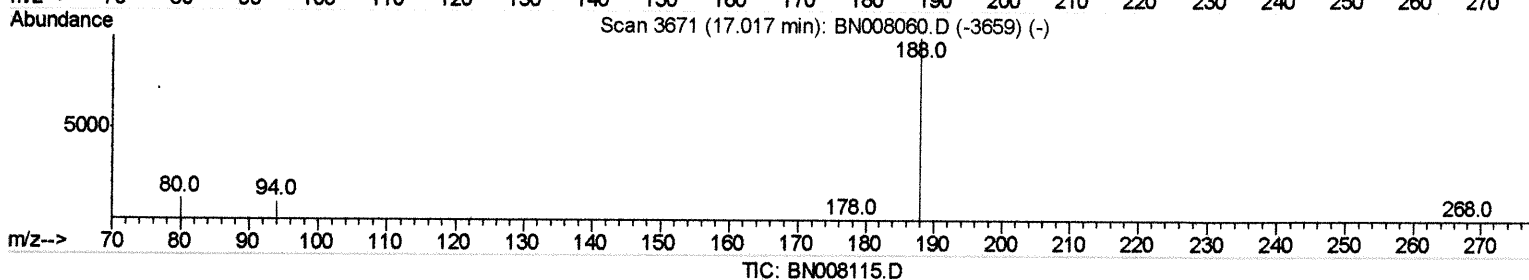
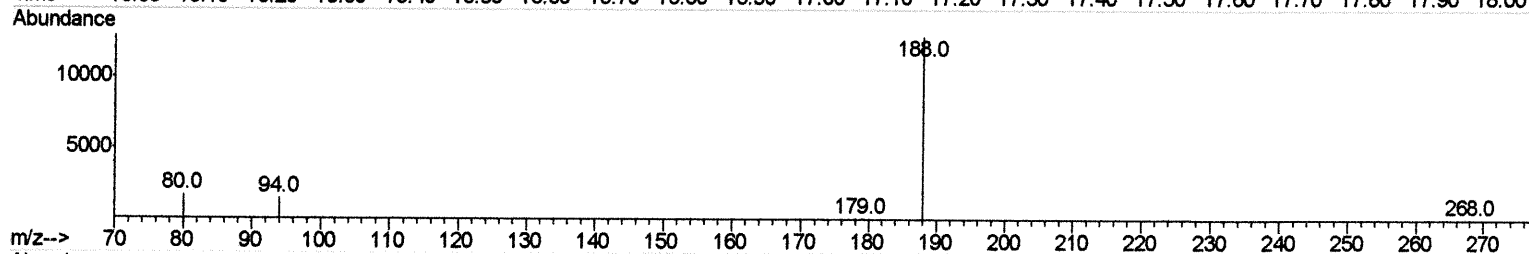
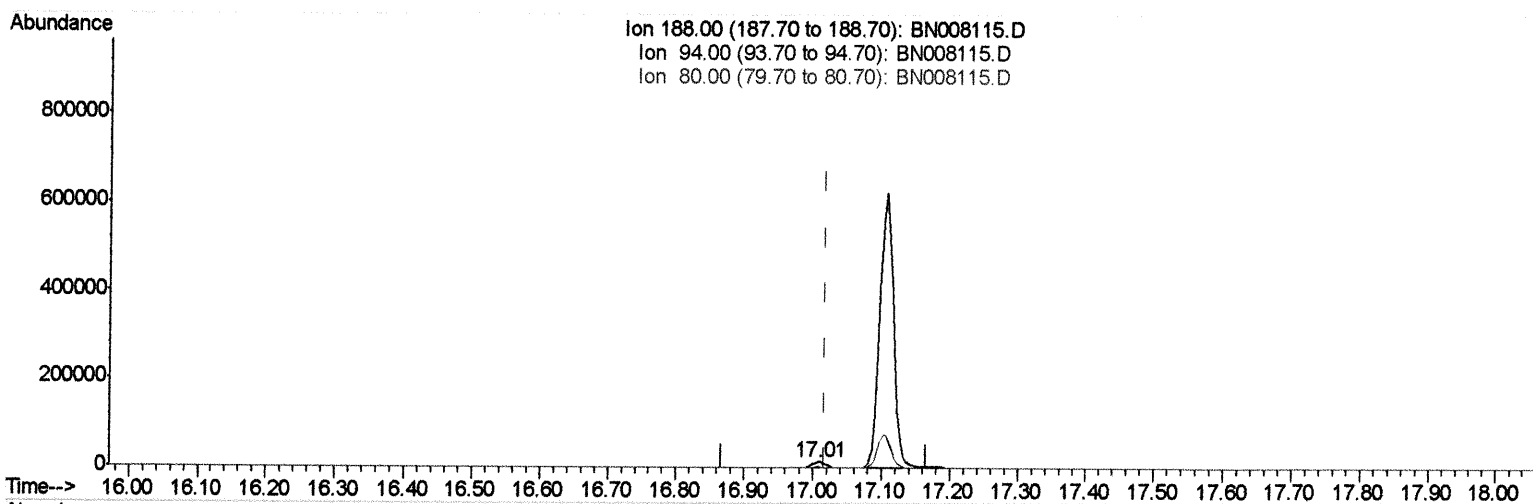
Quant Time: Oct 12 21:41:00 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : 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 18564

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.26
80.00	12.60	12.89
0.00	0.00	0.00

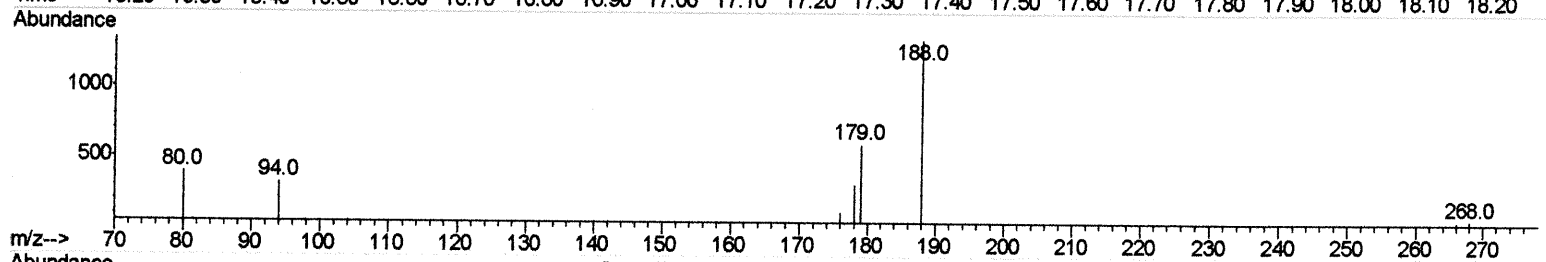
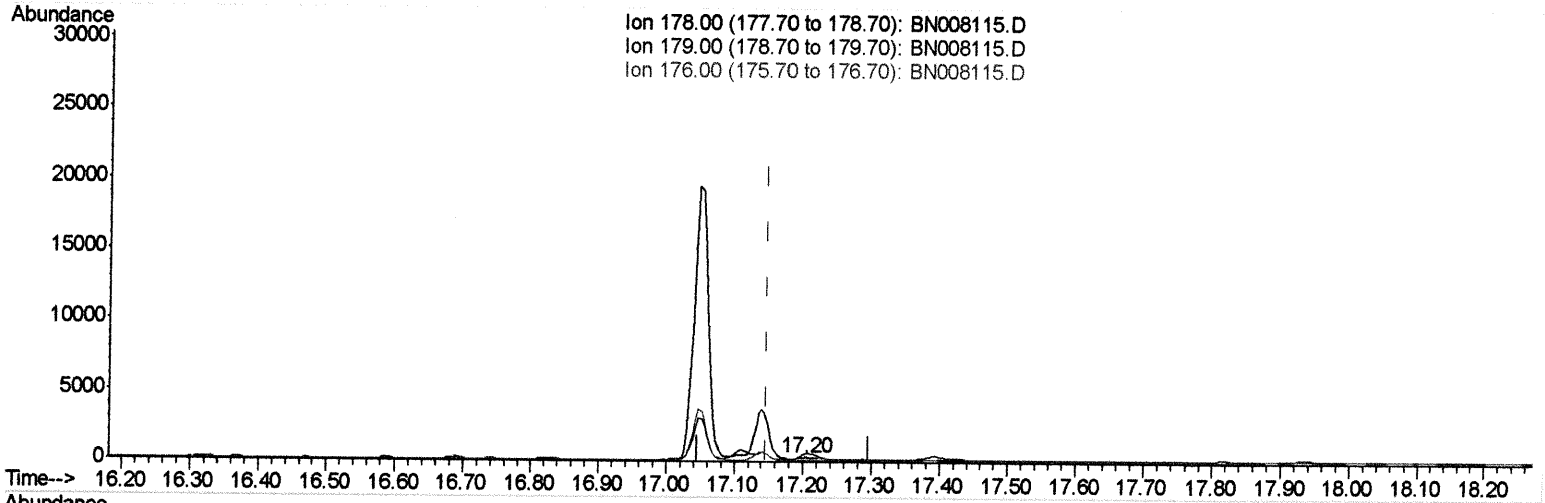
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPE9

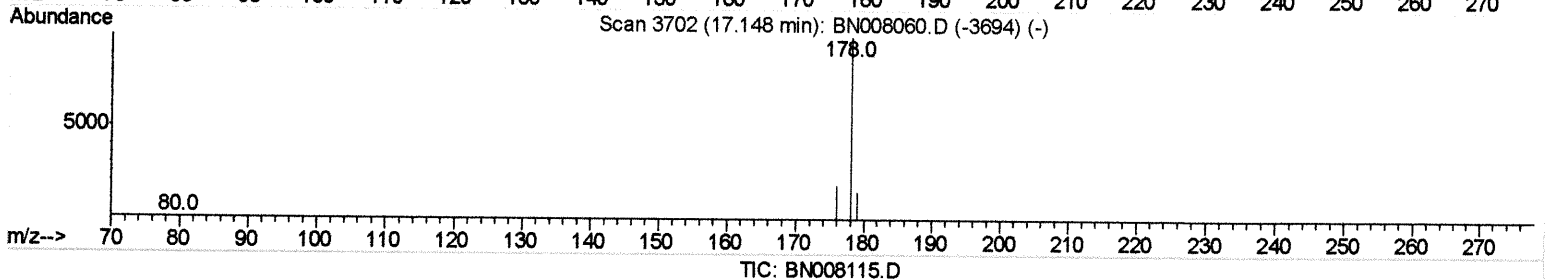
Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:48:50 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



Scan 3702 (17.148 min): BN008060.D (-3694) (-)



(13) Anthracene

17.203min (+0.055) 0.01ng/ul

response 352

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	191.11#
176.00	18.80	38.73#
0.00	0.00	0.00

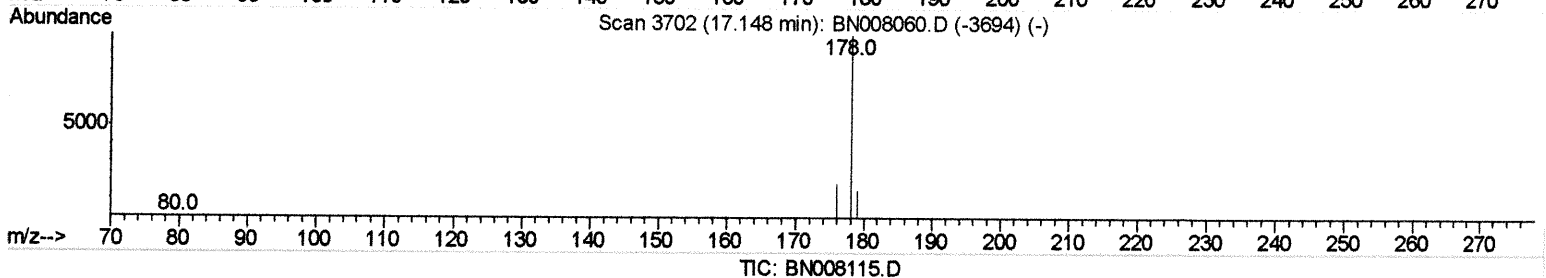
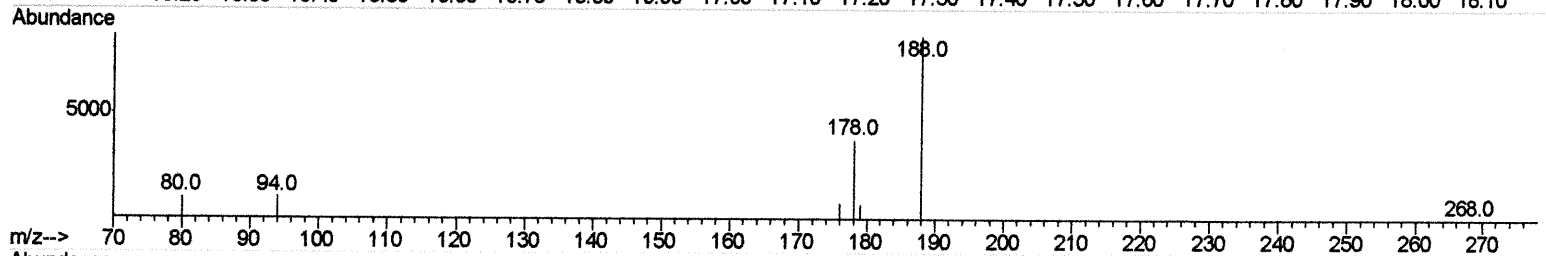
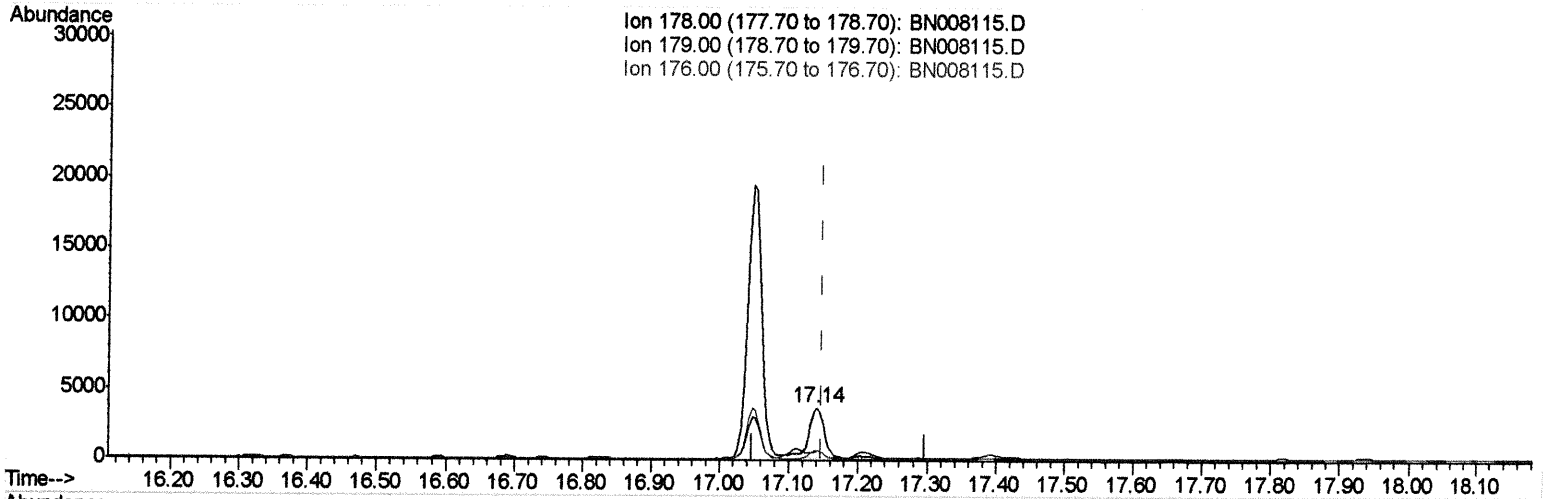
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPE9

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:48:50 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



(13) Anthracene

17.140min (-0.008) 0.11ng/ul m *ju 10/16/19*

response 5245

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	19.26
176.00	18.80	20.11
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008115.D

Acq On : 12 Oct 2019 16:33

Operator : JU

Sample : K5178-06

Misc :

ALS Vial : 48 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPE9

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:58 AM

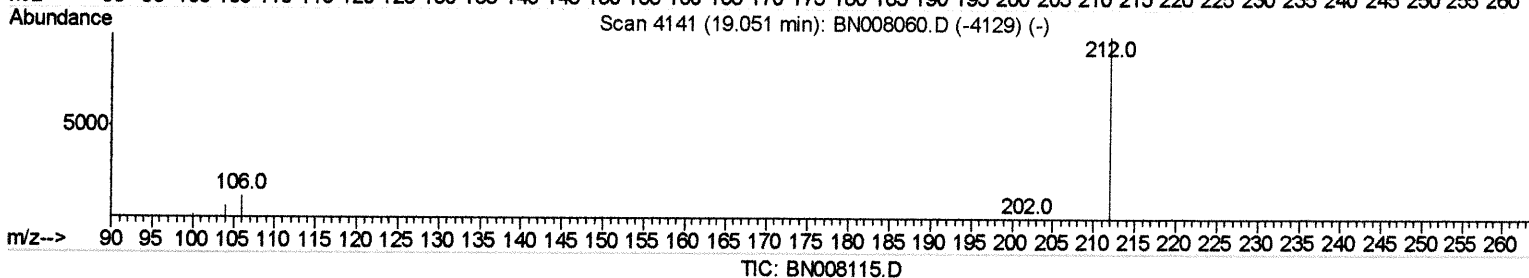
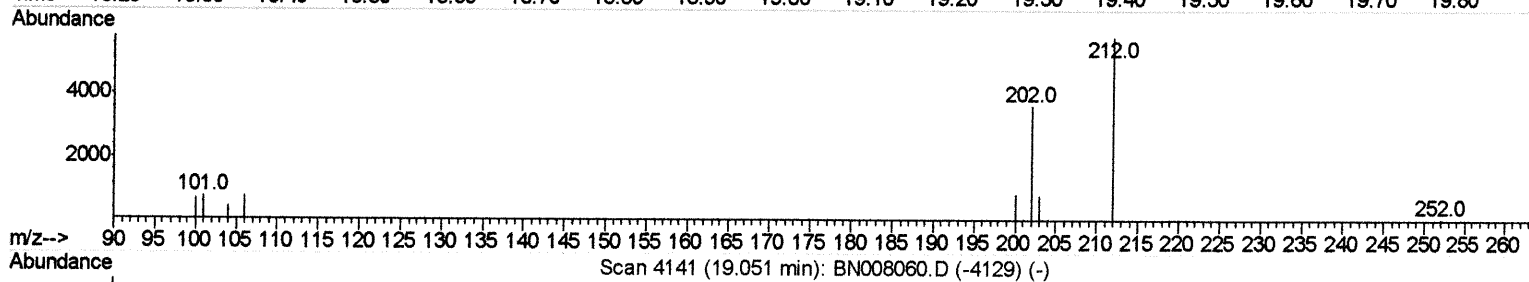
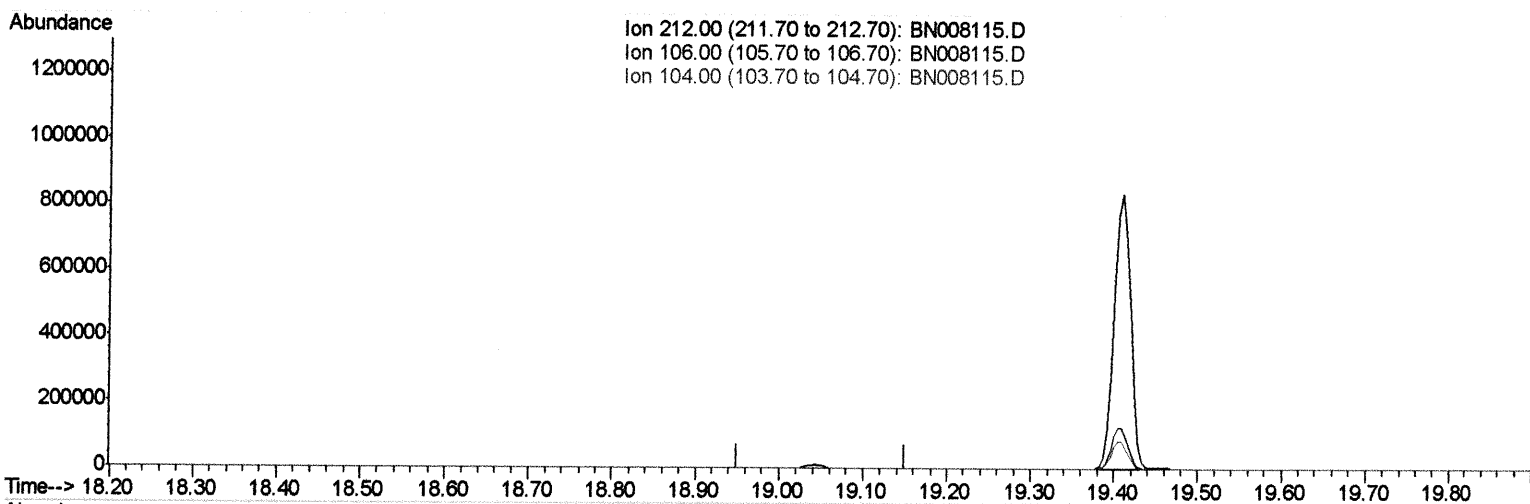
Quant Time: Oct 13 03:48:50 2019

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



(14) Fluoranthene-d10 (SURR)

19.051min (-19.051) 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\BN101119\

Data File : BN008115.D

Acq On : 12 Oct 2019 16:33

Operator : JU

Sample : K5178-06

Misc :

ALS Vial : 48 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPE9

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:58 AM

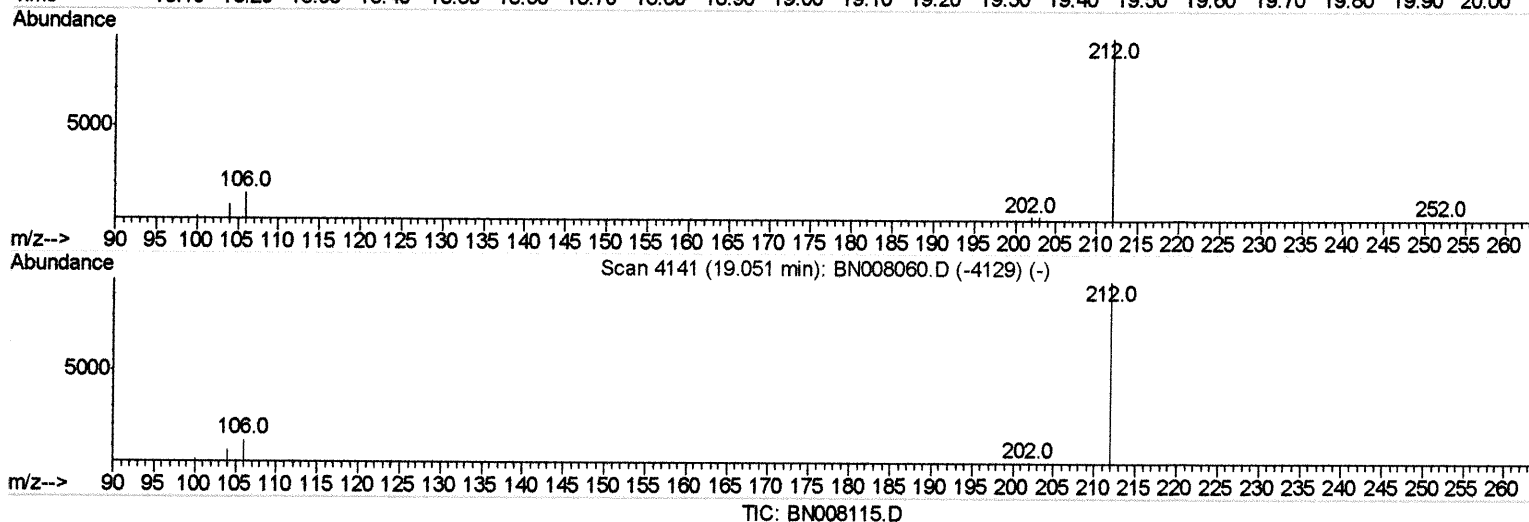
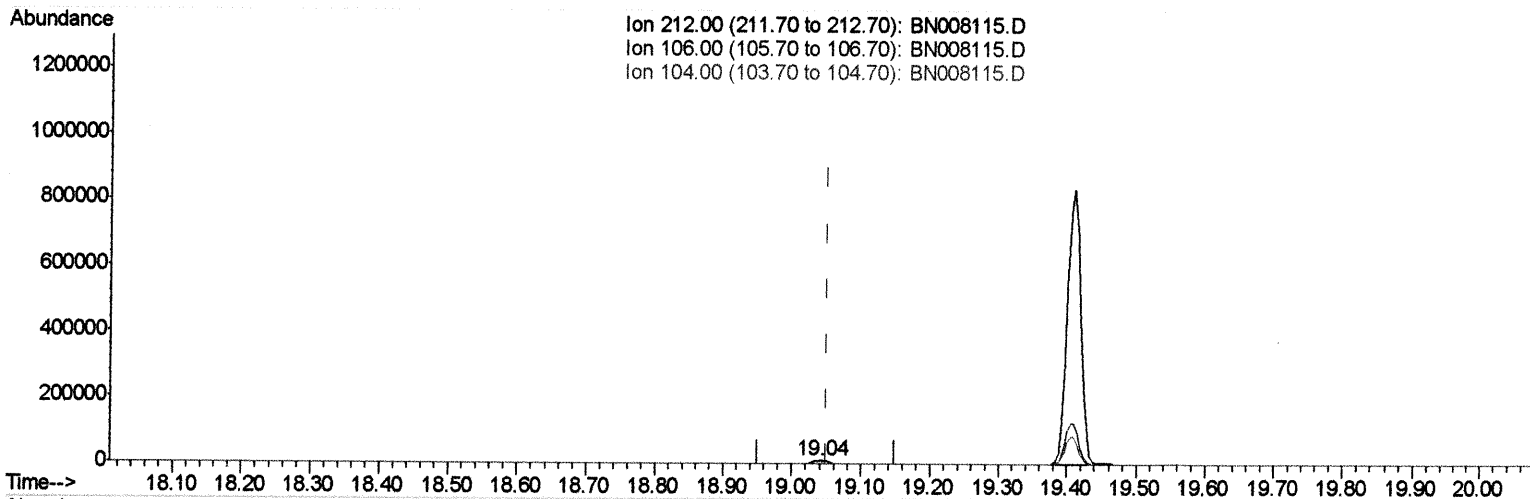
Quant Time: Oct 13 03:48:50 2019

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



(14) Fluoranthene-d10 (SURR)

19.042min (-0.009) 0.21ng/ul m 24 10/16/19

response 13188

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 : BN008115.D

Acq On : 12 Oct 2019 16:33

Operator : JU

Sample : K5178-06

Misc :

ALS Vial : 48 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPE9

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:58 AM

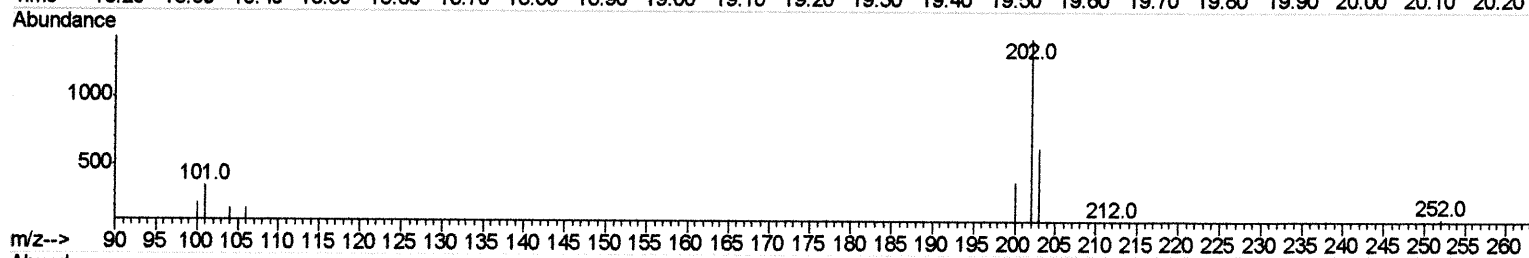
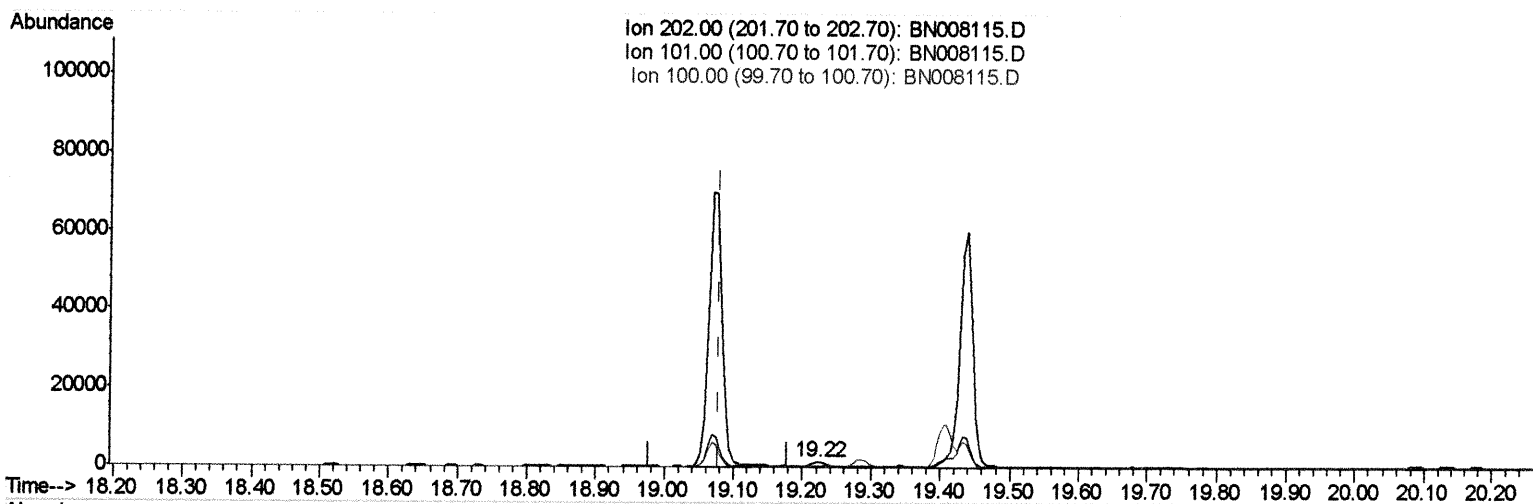
Quant Time: Oct 13 03:48:50 2019

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

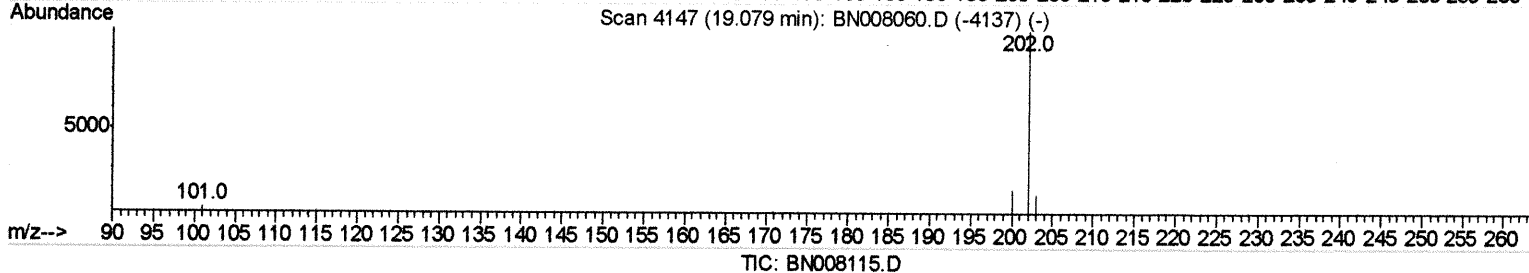
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 19:05:54 2019

Response via : Initial Calibration



Scan 4147 (19.079 min): BN008060.D (-4137) (-)



(15) Fluoranthene (C)

19.223min (+0.144) 0.02ng/ui

response 1485

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	24.08
100.00	8.50	15.21
0.00	0.00	0.00

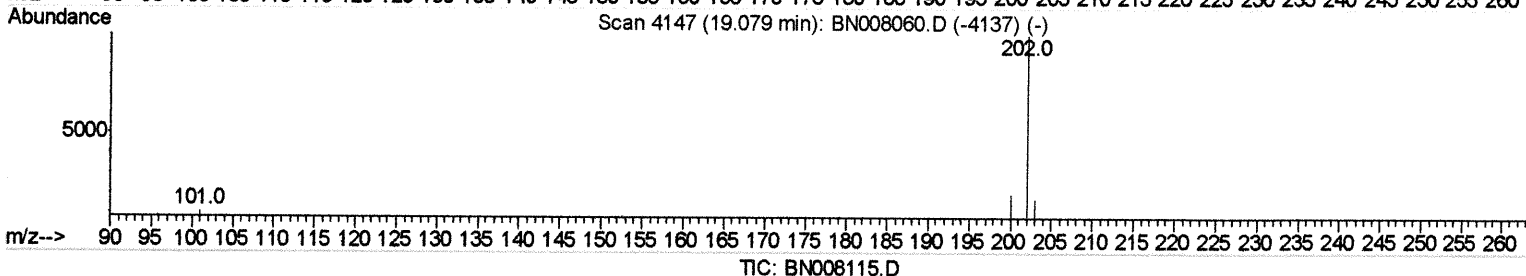
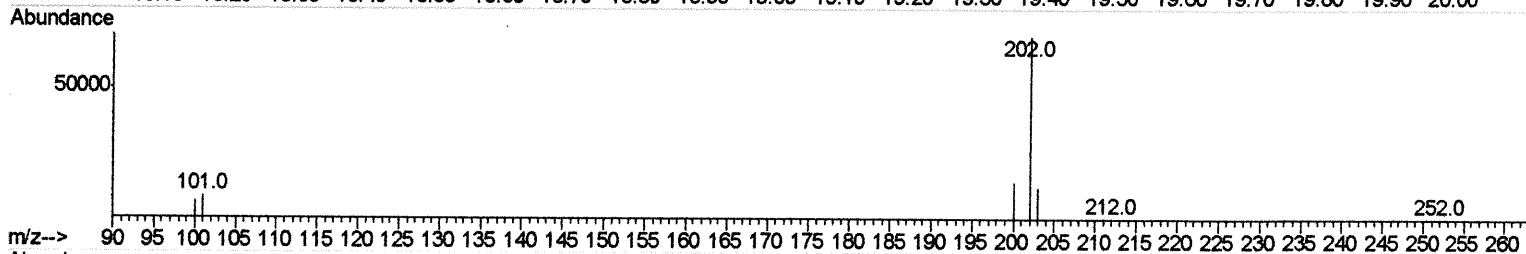
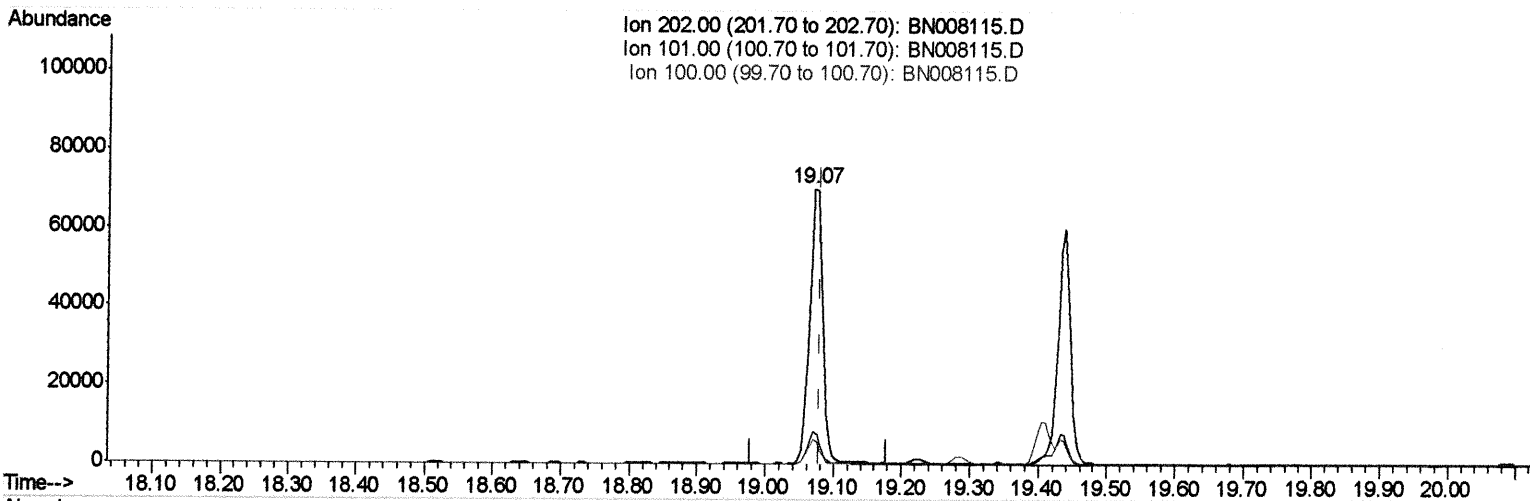
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPE9

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:48:50 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



(15) Fluoranthene (C)

19.070min (-0.009) 1.31ng/ul m *mu* 10/10/19

response 93923

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	11.85
100.00	8.50	9.02
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\

Data File : BN008115.D

Acq On : 12 Oct 2019 16:33

Operator : JU

Sample : K5178-06

Misc :

ALS Vial : 48 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

BEPE9

Manual Integrations
APPROVEDmohammad
10/15/2019 7:58:58 AM

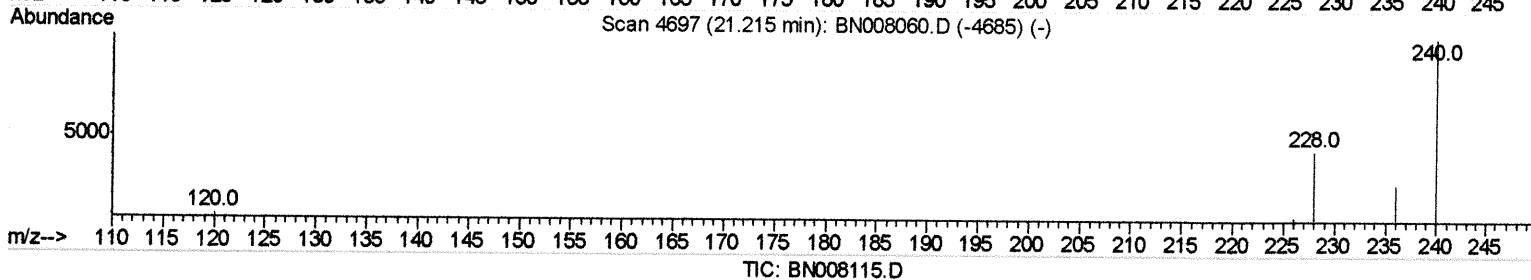
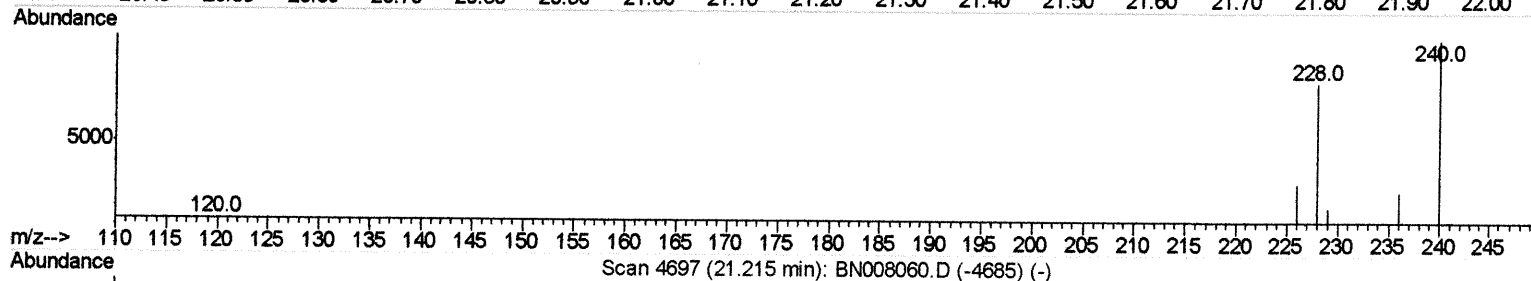
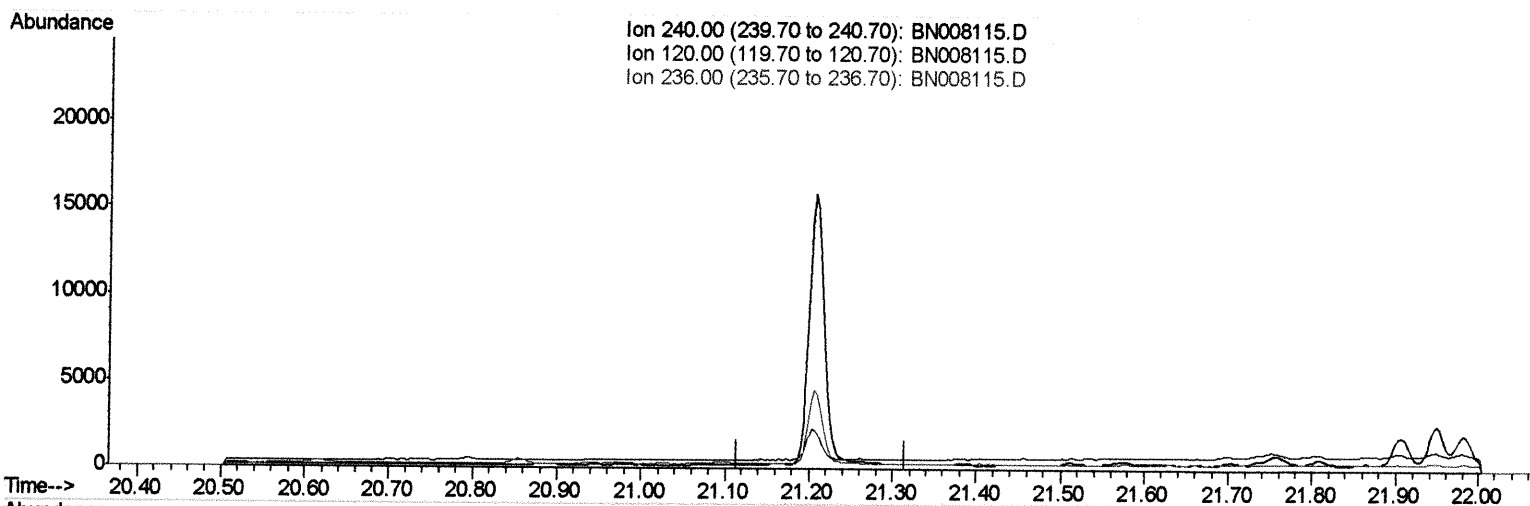
Quant Time: Oct 13 03:48:50 2019

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



(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

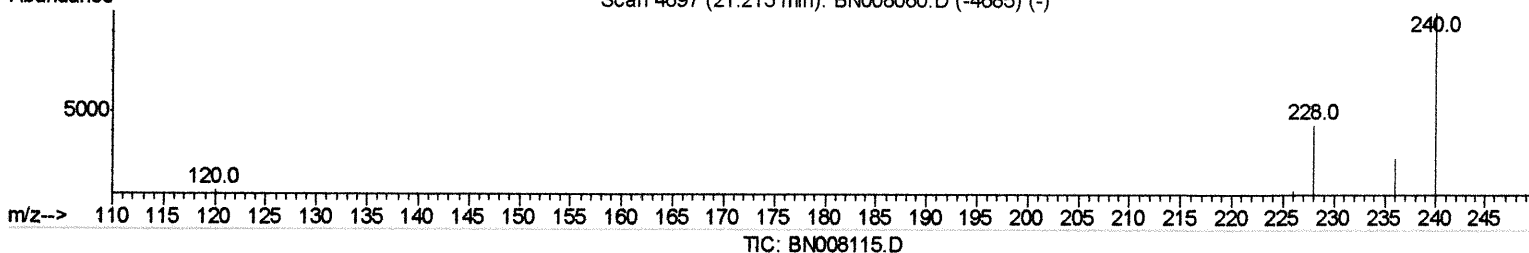
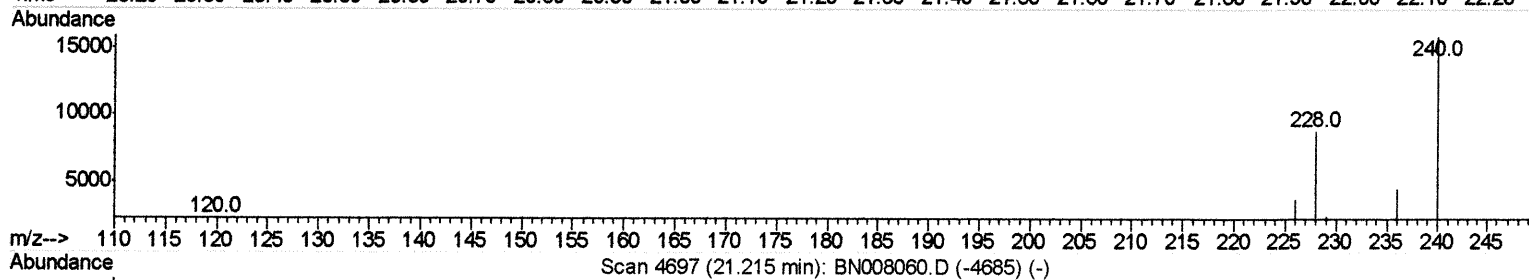
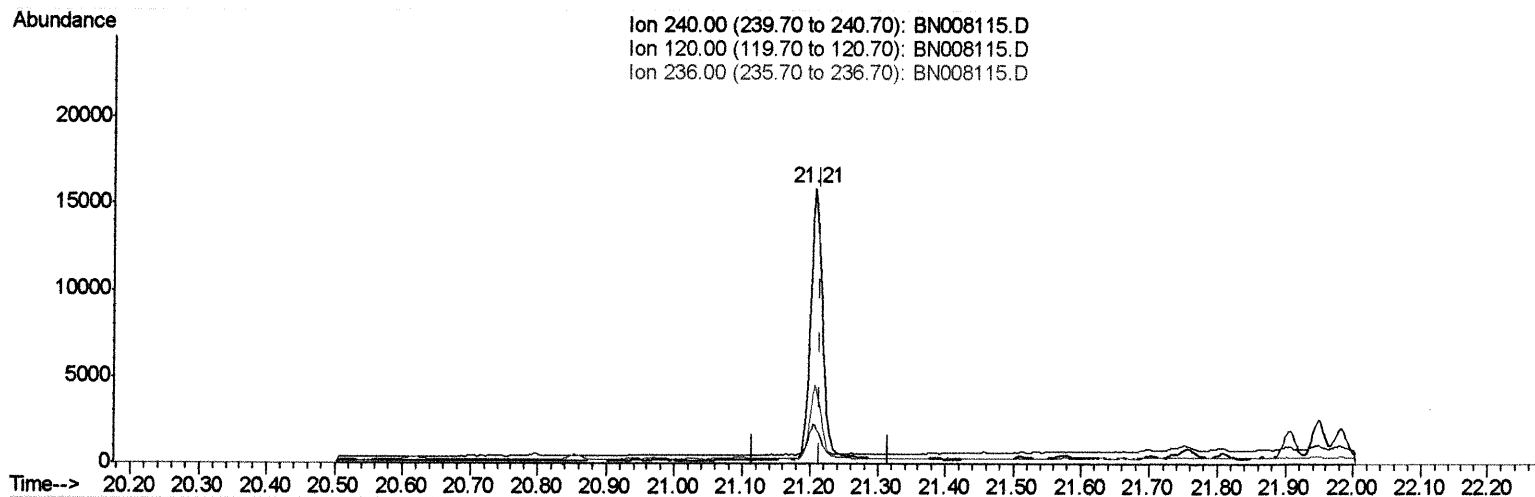
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
BEPE9

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:48:50 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



(16) Chrysene-d12 (I)

21.207min (-0.009) 0.40ng/ul m *24 10/16/19*

response 20078

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.27
236.00	28.40	28.61
0.00	0.00	0.00

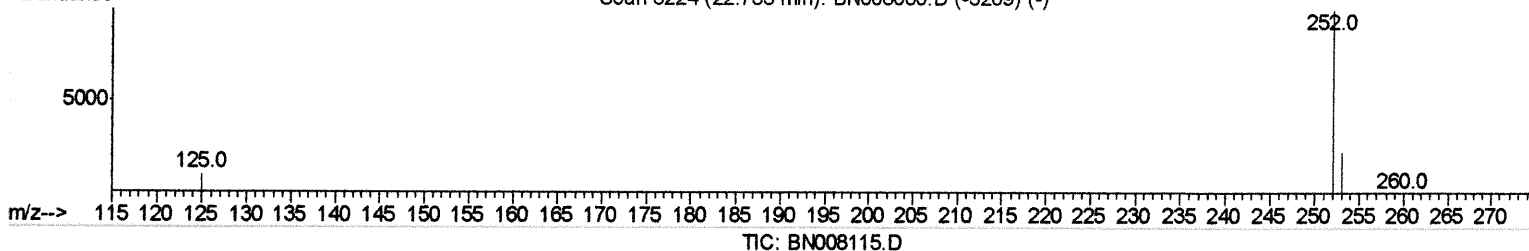
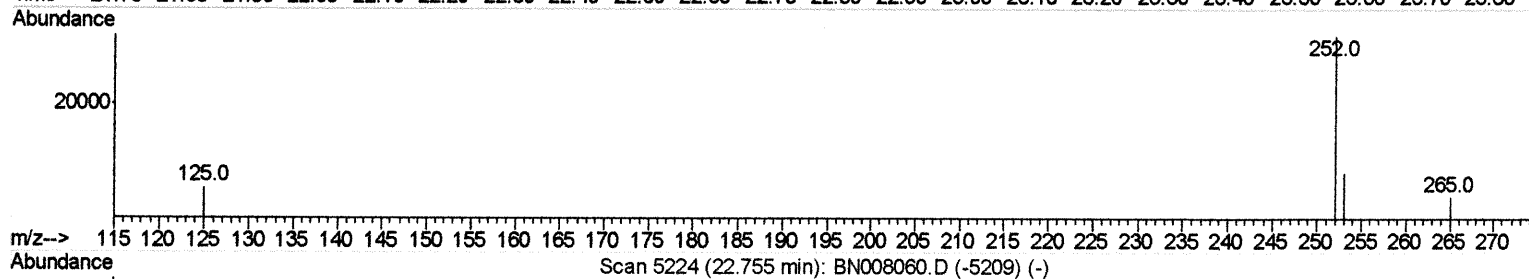
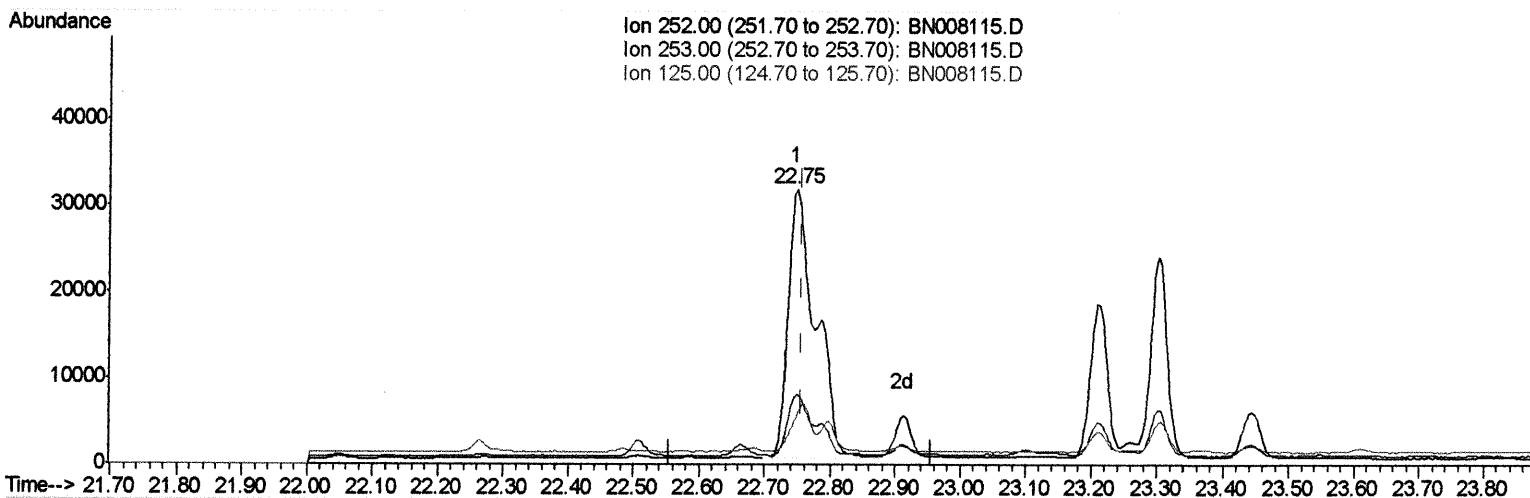
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPE9

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:50:30 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.747min (-0.009) 1.42ng/ul

response 92309

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	25.41
125.00	16.20	17.46
0.00	0.00	0.00

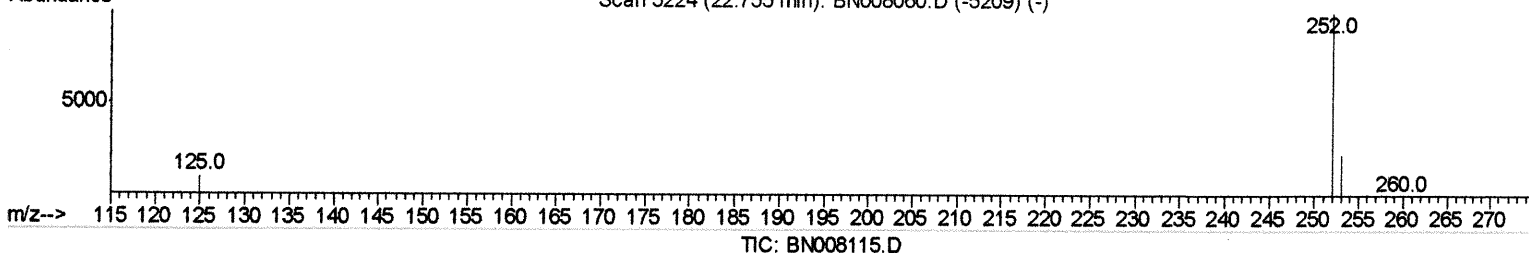
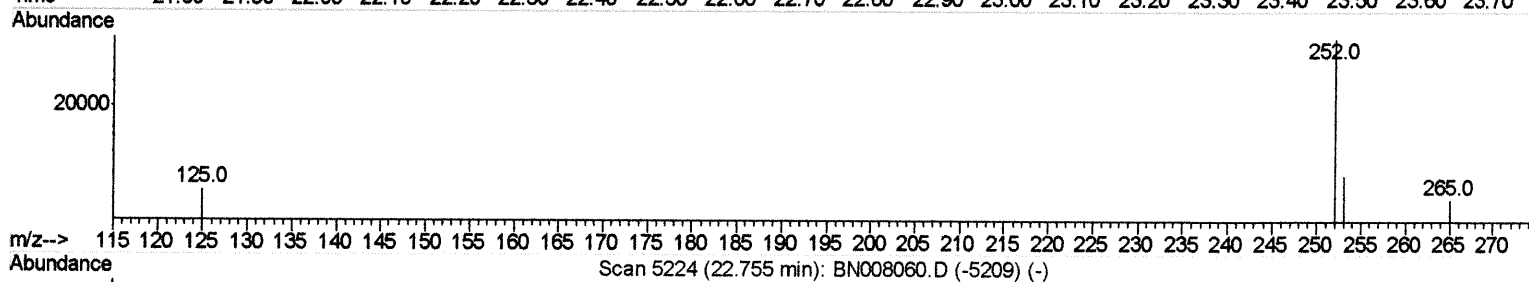
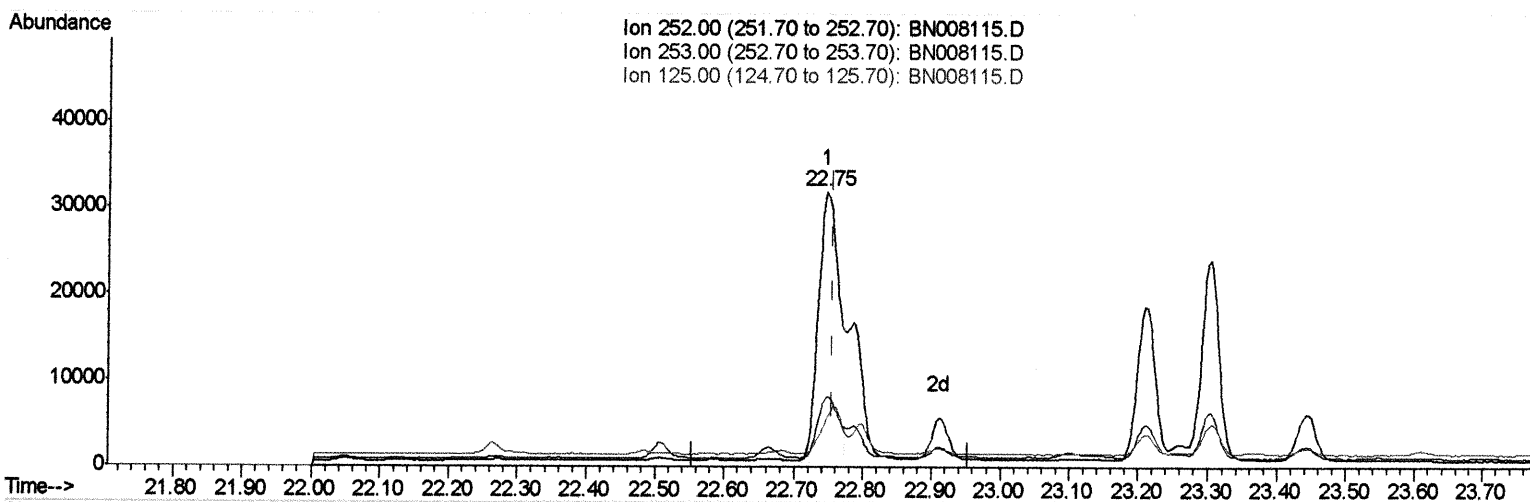
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008115.D
 Acq On : 12 Oct 2019 16:33
 Operator : JU
 Sample : K5178-06
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPE9

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:50:30 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 : Fri Oct 11 19:05:54 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.747min (-0.009) 1.02ng/ul m

22/10/16/19

response 66465

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	25.41
125.00	16.20	17.46
0.00	0.00	0.00

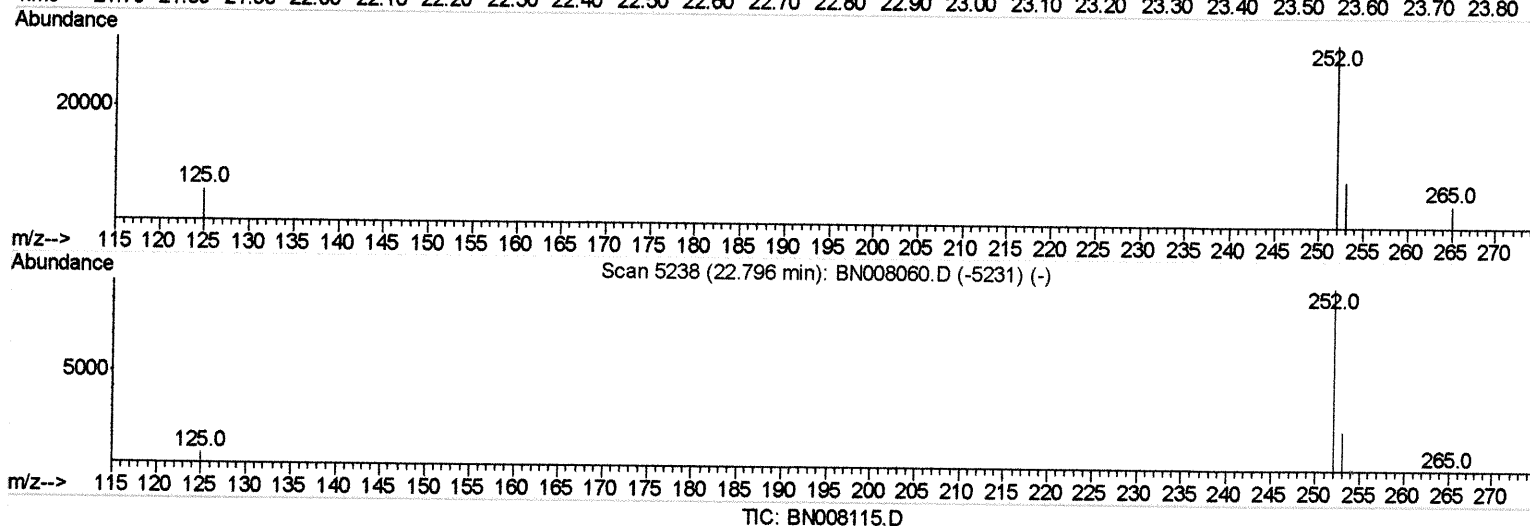
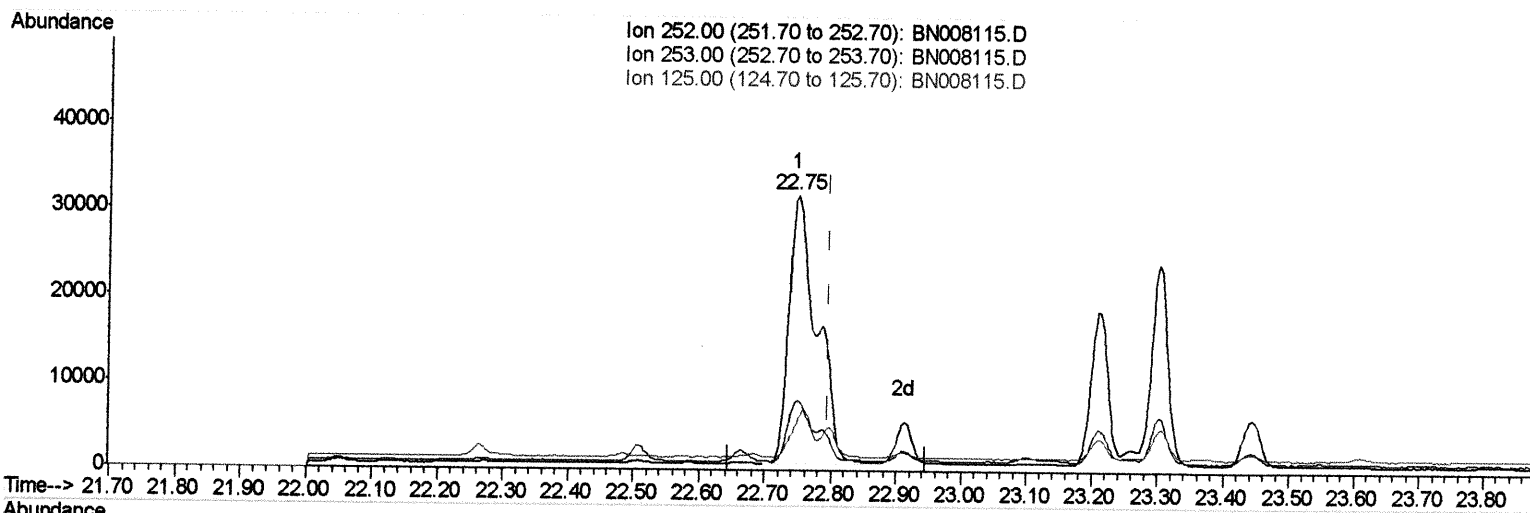
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPE9

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:50:30 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.747min (-0.050) 1.25ng/ul

response 92309

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	25.41
125.00	15.40	17.46
0.00	0.00	0.00

Quantitation Report (Qedit)

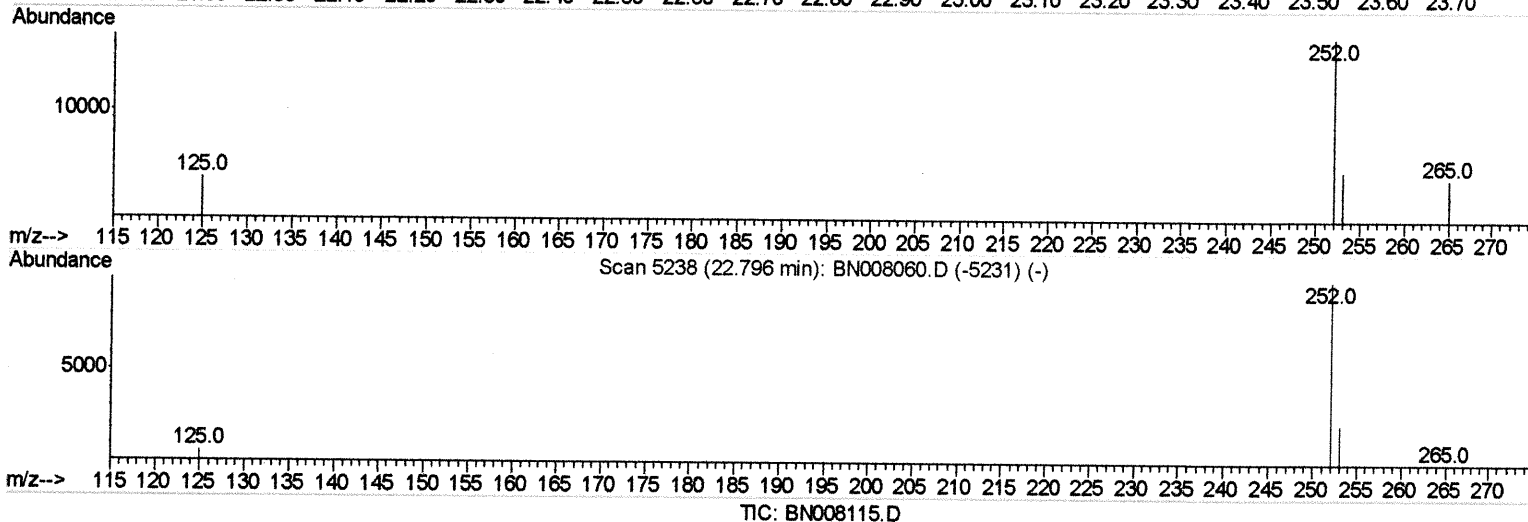
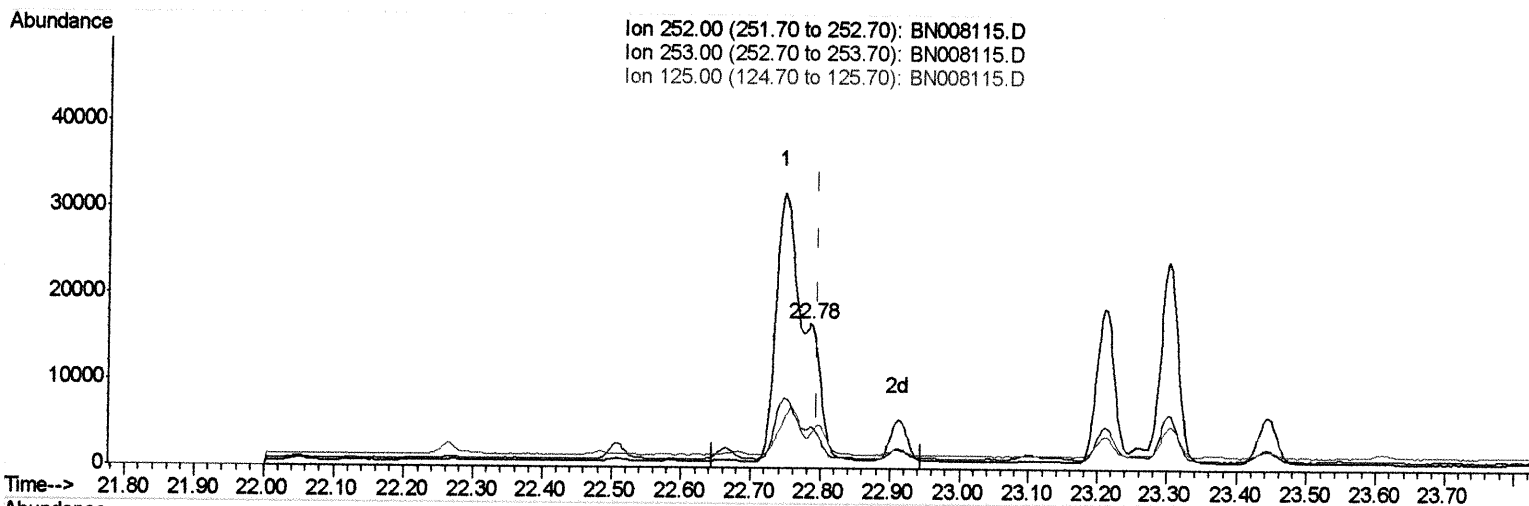
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008115.D
Acq On : 12 Oct 2019 16:33
Operator : JU
Sample : K5178-06
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPE9

Manual Integrations
APPROVED

mohammad
10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:50:30 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.785min (-0.012) 0.29ng/ul m *JU 10/16/19*

response 21479

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.17
125.00	15.40	23.04#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008115.D
 Acq On : 12 Oct 2019 16:33
 Operator : JU
 Sample : K5178-06
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPE9

Manual Integrations
 APPROVED

mohammad
 10/15/2019 7:58:58 AM

Quant Time: Oct 13 03:51:31 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2439	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11995	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.26	164	7888	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	18564m	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	20078m	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	19963	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.99	152	3809	0.19	ng/ul	-0.01
14) Fluoranthene-d10	19.04	212	13188m	0.21	ng/ul	0.00

Target Compounds

					Ovalue	
3) Naphthalene	10.44	128	831	0.024	ng/ul#	74
5) 2-Methylnaphthalene	12.07	142	577	0.025	ng/ul	99
7) Acenaphthylene	13.98	152	3146	0.084	ng/ul#	90
8) Acenaphthene	14.32	153	761	0.026	ng/ul	96
9) Fluorene	15.31	166	1075	0.032	ng/ul#	90
12) Phenanthrene	17.05	178	27858	0.513	ng/ul	100
13) Anthracene	17.14	178	5245m	0.110	ng/ul	
15) Fluoranthene	19.07	202	93923m	1.308	ng/ul	
17) Pyrene	19.44	202	78551	0.983	ng/ul	98
18) Benzo(a)anthracene	21.19	228	44038	0.603	ng/ul	97
19) Chrysene	21.24	228	52389	0.585	ng/ul	98
21) Benzo(b)fluoranthene	22.75	252	66465m	1.023	ng/ul	
22) Benzo(k)fluoranthene	22.78	252	21479m	0.292	ng/ul	
23) Benzo(a)pyrene	23.30	252	40657	0.595	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.57	276	27148	0.337	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.58	278	5880	0.092	ng/ul#	61
26) Benzo(a,h,i)perylene	26.24	276	26878	0.364	ng/ul	97

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