

(QT Reviewed)

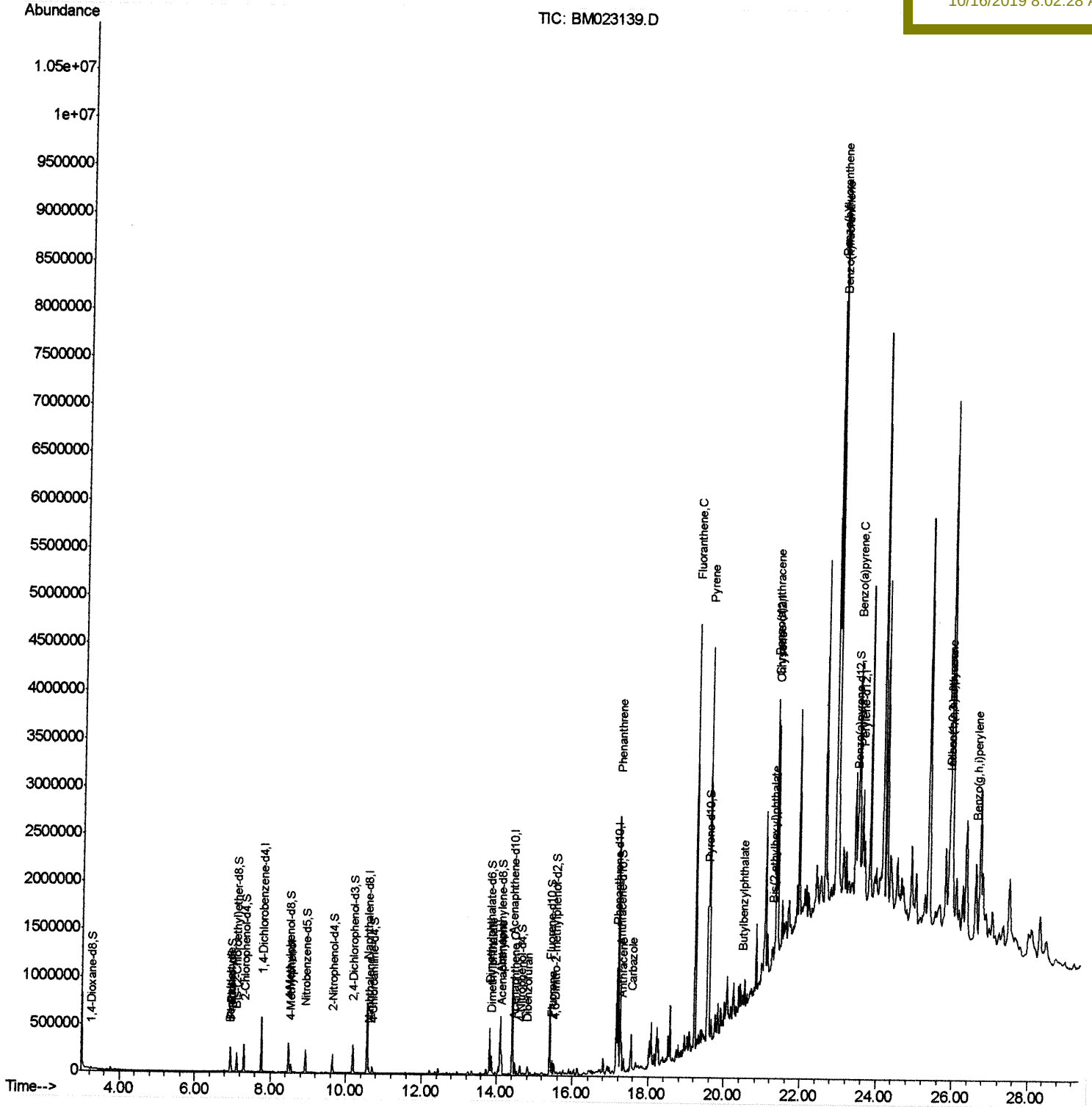
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023139.D
Acq On : 11 Oct 2019 20:44
Operator : JU
Sample : K5124-02DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 01:22:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Manual Integrations

mohammad
10/16/2019 8:02:28 AM



Quantitation Report (Qedit)

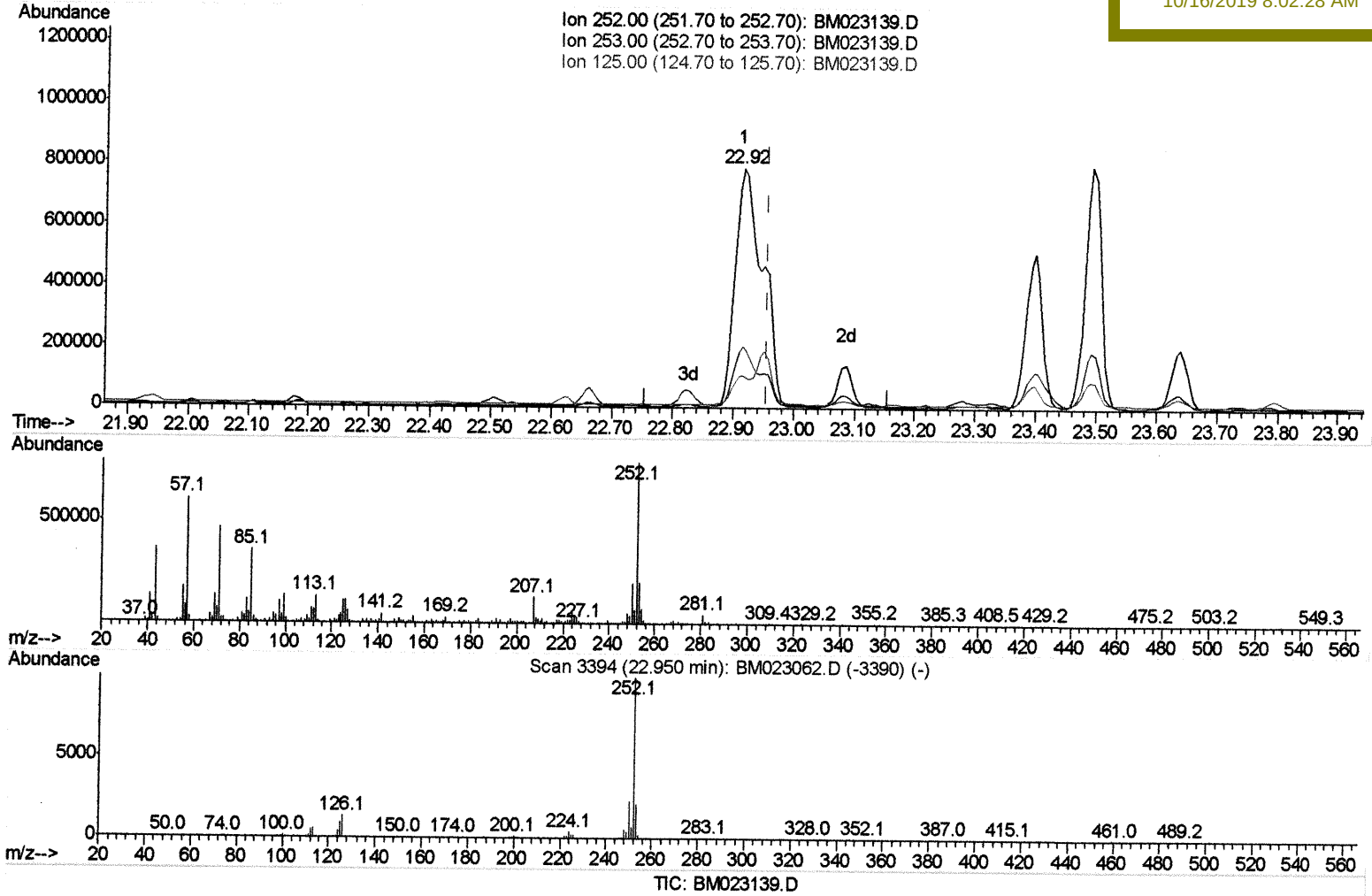
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
 Data File : BM023139.D
 Acq On : 11 Oct 2019 20:44
 Operator : JU
 Sample : K5124-02DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 11 22:49:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 15:02:34 2019
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 ClientSampleId :
 JLM51DL

Manual Integrations
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(89) Benzo(k)fluoranthene

22.915min (-0.041) 39.07ng/ui

response 1937481

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.61
125.00	9.90	13.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

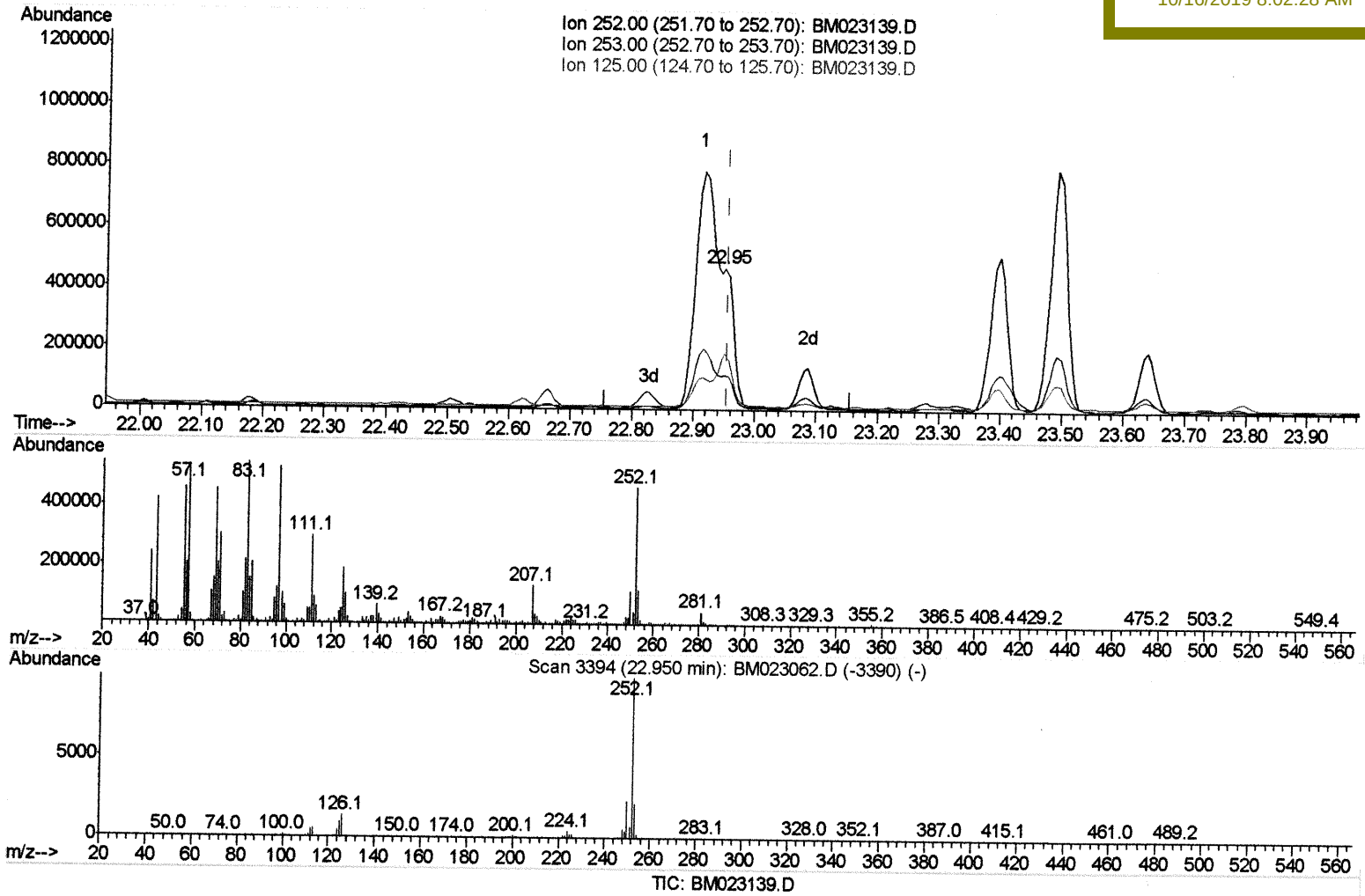
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
 Data File : BM023139.D
 Acq On : 11 Oct 2019 20:44
 Operator : JU
 Sample : K5124-02DL 2X
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Instrument :
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Manual Integrations
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Quant Time: Oct 11 22:49:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
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 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

22.950min (-0.006) 10.63ng/ul m 24 10/16/19

response 527032

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	24.71
125.00	9.90	40.07#
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	7.77	152	163176	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	625117	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	331551	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.14	188	634058	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	642529	20.00	ng/ul	0.00
86) Perylene-d12	23.59	264	781102	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	9174	2.43	ng/uL	0.00
5) Phenol-d5	6.94	99	149187	10.35	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.10	67	93776	11.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	137673	11.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	118440	10.03	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	63868	13.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	69148	13.13	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.18	165	121257	11.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	52359	4.11	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	330298	12.84	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	403071	13.57	ng/ul	0.00
52) 4-Nitrophenol-d4	14.62	143	24419	4.80	ng/ul	0.00
58) Fluorene-d10	15.40	176	283059	12.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	25941	6.29	ng/ul	0.00
71) Anthracene-d10	17.24	188	416249	13.44	ng/ul	0.00
79) Pyrene-d10	19.54	212	460451	13.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	538714	13.33	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.92	77	8627	1.320	ng/ul	93
6) Phenol	6.97	94	33056	2.187	ng/ul	98
16) 4-Methylphenol	8.53	108	34124	2.649	ng/ul	86
28) Naphthalene	10.60	128	55684	1.649	ng/ul	99
45) Dimethylphthalate	13.86	163	112365	4.251	ng/ul	99
48) Acenaphthylene	14.13	152	177951	5.549	ng/ul	99
50) Acenaphthene	14.47	153	49364	2.209	ng/ul	100
54) Dibenzofuran	14.80	168	43191	1.354	ng/ul	98
59) Fluorene	15.45	166	55136	2.138	ng/ul#	98
70) Phenanthrene	17.19	178	1659690	43.859	ng/ul	99
72) Anthracene	17.28	178	192210	4.985	ng/ul	100
75) Carbazole	17.54	167	235004	6.858	ng/ul	99
77) Fluoranthene	19.21	202	2563603	60.235	ng/ul	100
80) Pyrene	19.57	202	2556338	56.125	ng/ul	100
81) Butylbenzylphthalate	20.47	149	22470	1.200	ng/ul#	85
83) Benzo(a)anthracene	21.32	228	1024056	22.199	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.25	149	42052	1.580	ng/ul#	95
85) Chrysene	21.37	228	1286933	30.258	ng/ul	97
88) Benzo(b)fluoranthene	22.92	252	1937481	37.377	ng/ul#	92
89) Benzo(k)fluoranthene	22.95	252	527032m	10.627	ng/ul>	> Ju 10/16/19
91) Benzo(a)pyrene	23.49	252	1471673	30.262	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.87	276	1041191	20.157	ng/ul	95
93) Dibenzo(a,h)anthracene	25.88	278	228857	5.296	ng/ul#	86

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
94) Benzo(g,h,i)perylene	26.59	276	1027430	24.654	ng/ul	98

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

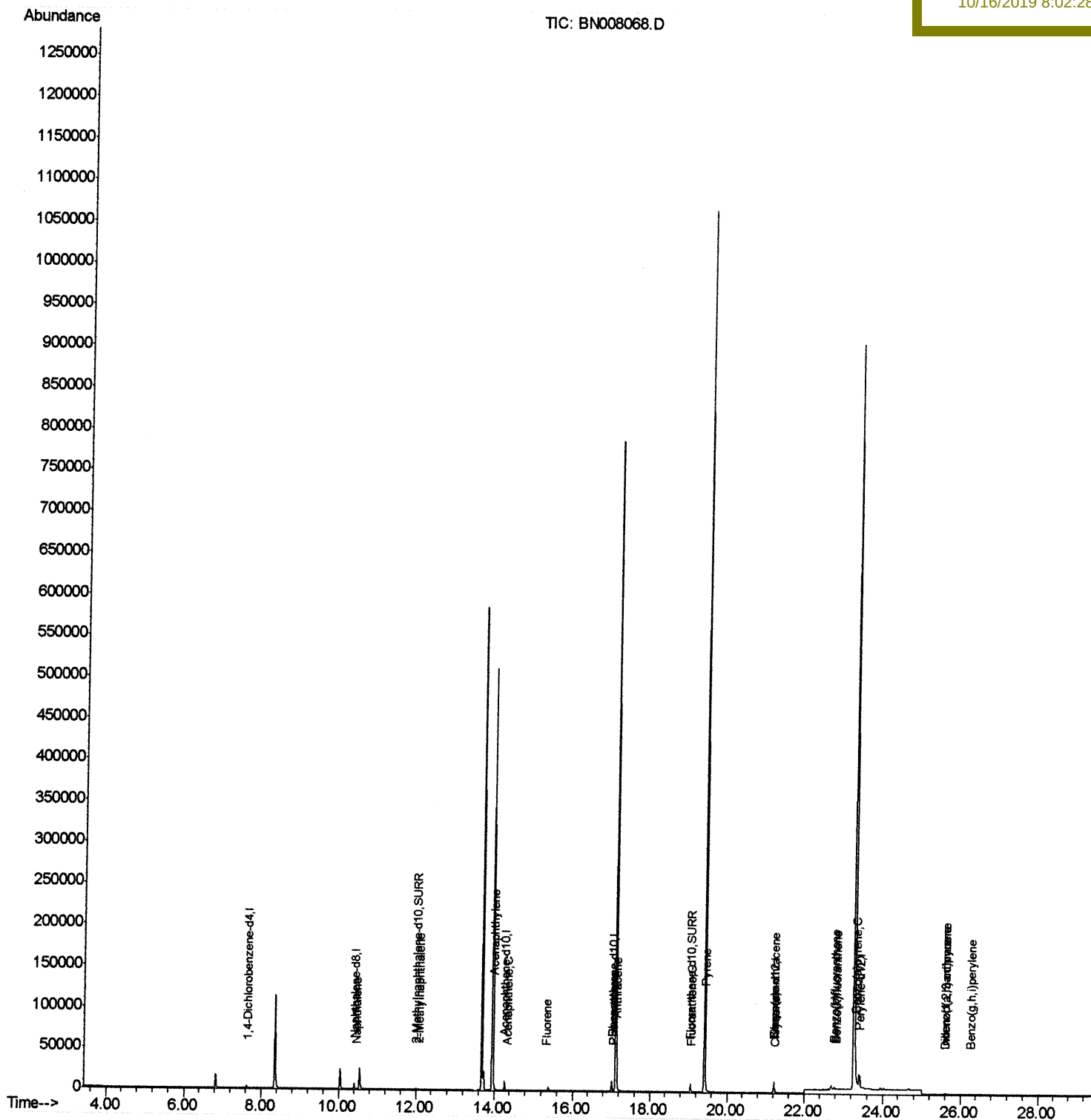
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Manual Integrations
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Quant Time: Oct 11 19:05:51 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 : Thu Oct 10 16:11:31 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

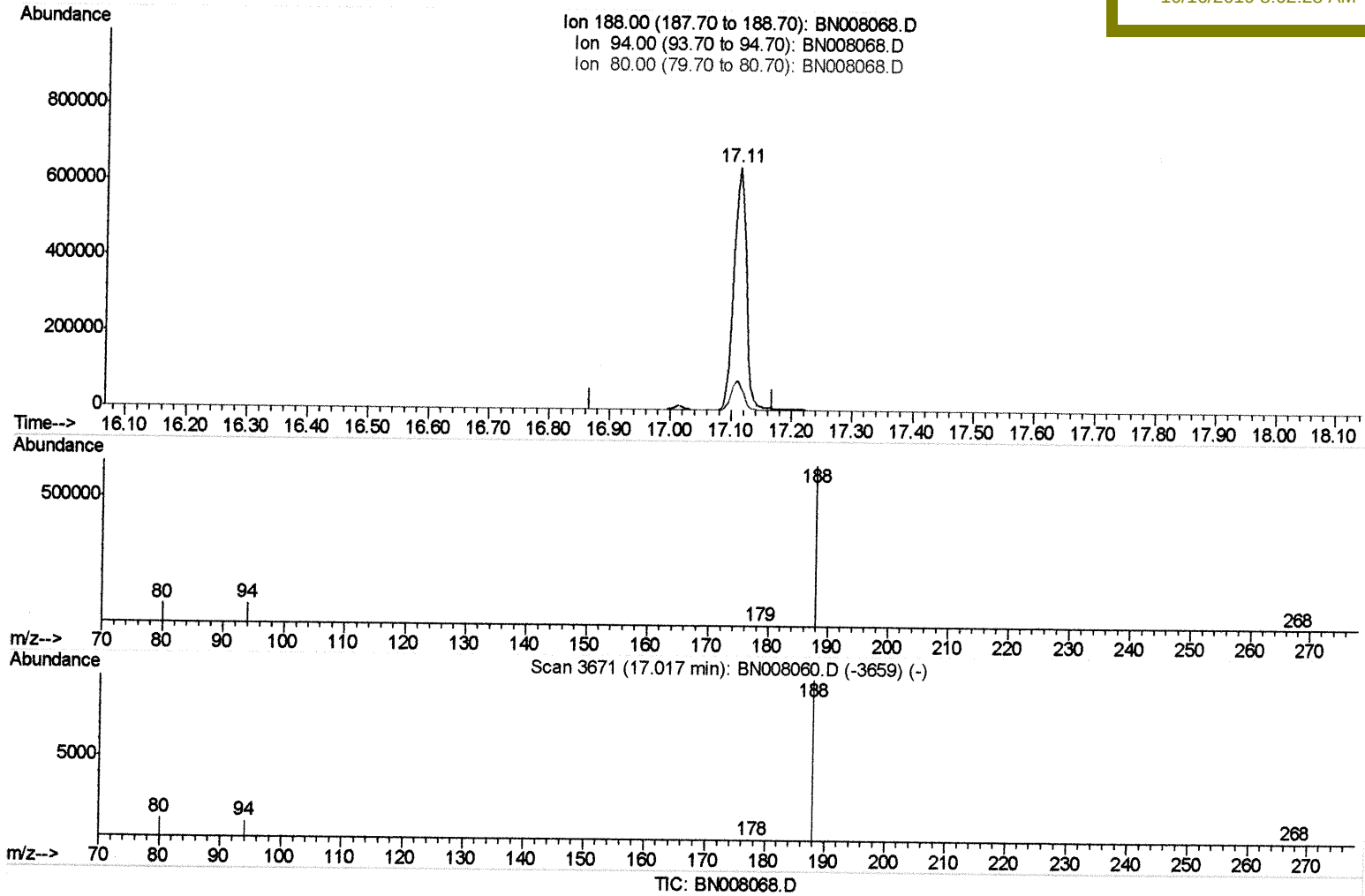
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 19:00:49 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 : Thu Oct 10 16:11:31 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Manual Integrations
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(10) Phenanthrene-d10 (I)

17.110min (+0.093) 0.40ng/ul

response 897897

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.73
80.00	12.60	11.34
0.00	0.00	0.00

Quantitation Report (Qedit)

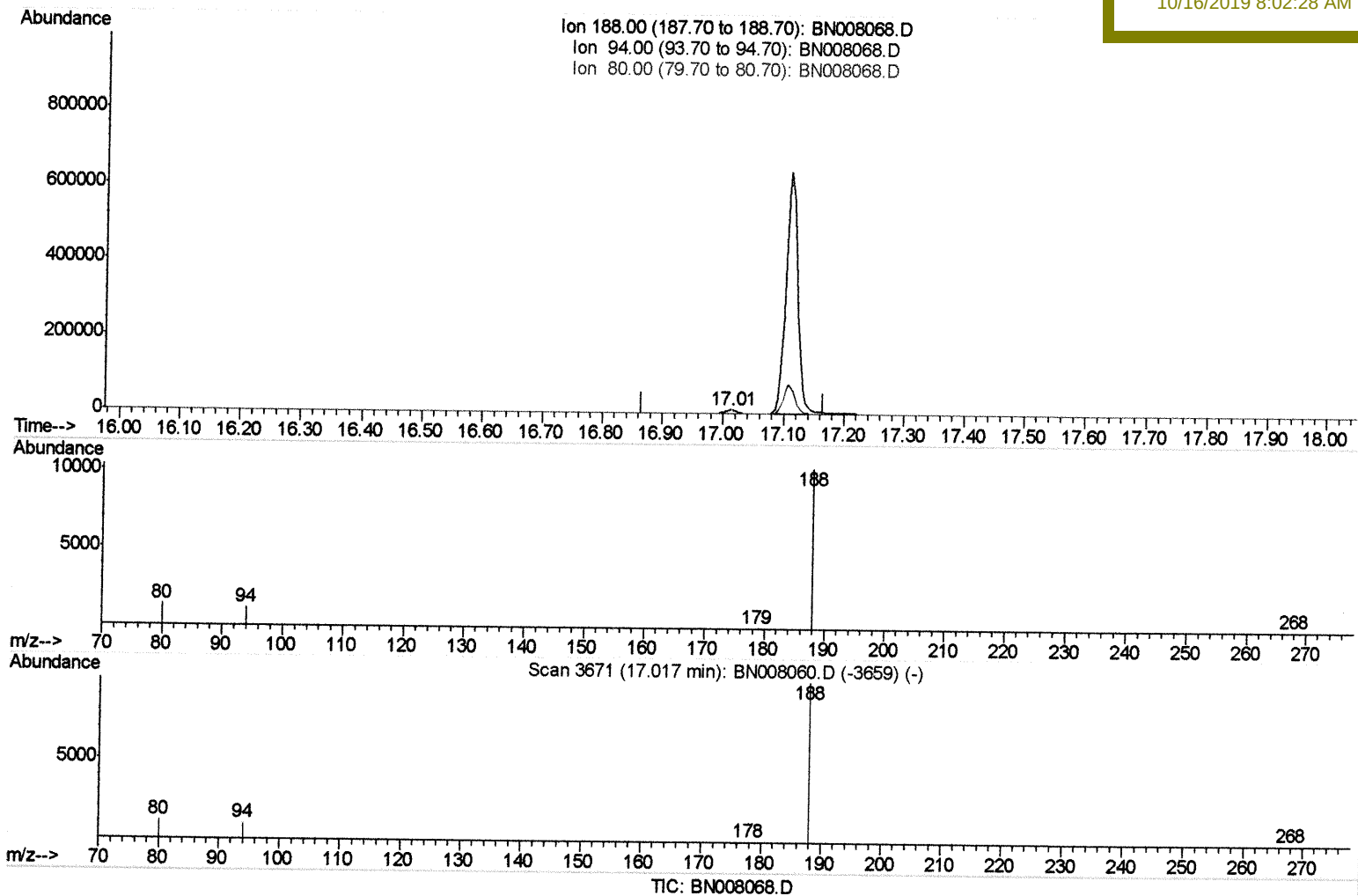
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 19:00:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(10) Phenanthrene-d10 (I)

17.013min (-0.004) 0.40ng/ul m JU 10/16/19

response 15038

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.33
80.00	12.60	13.22
0.00	0.00	0.00

Quantitation Report (Qedit)

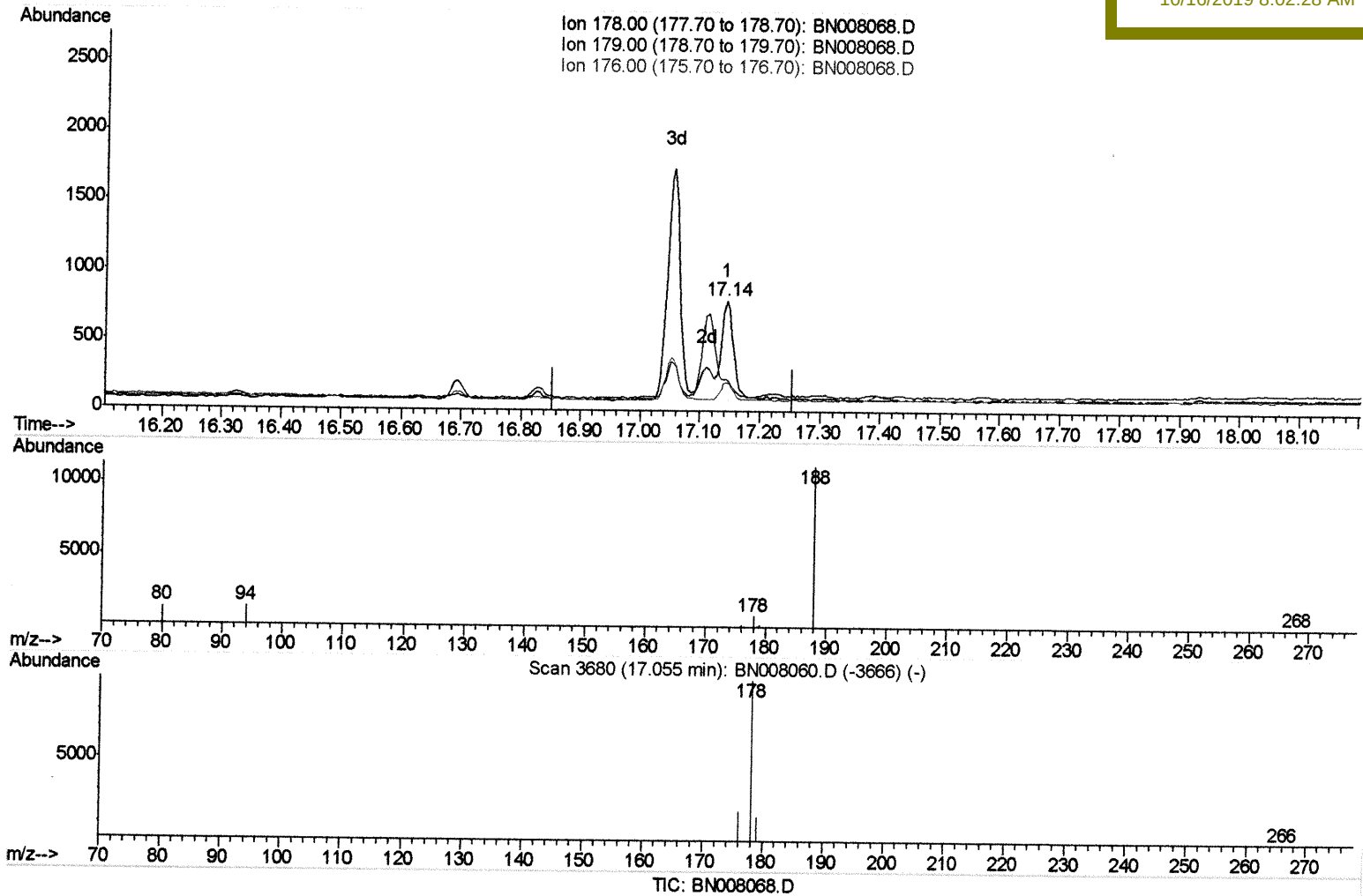
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Manual Integrations
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 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:01:56 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.144min (+0.089) 0.02ng/ul

response 1043

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	29.00#
176.00	19.30	25.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

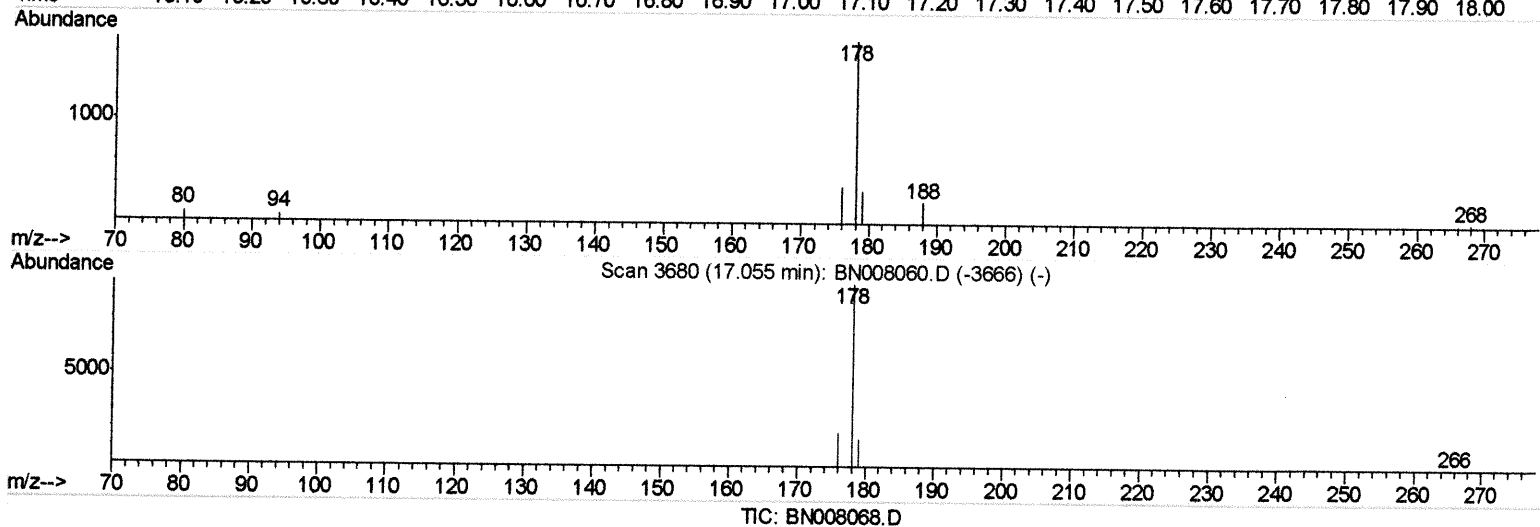
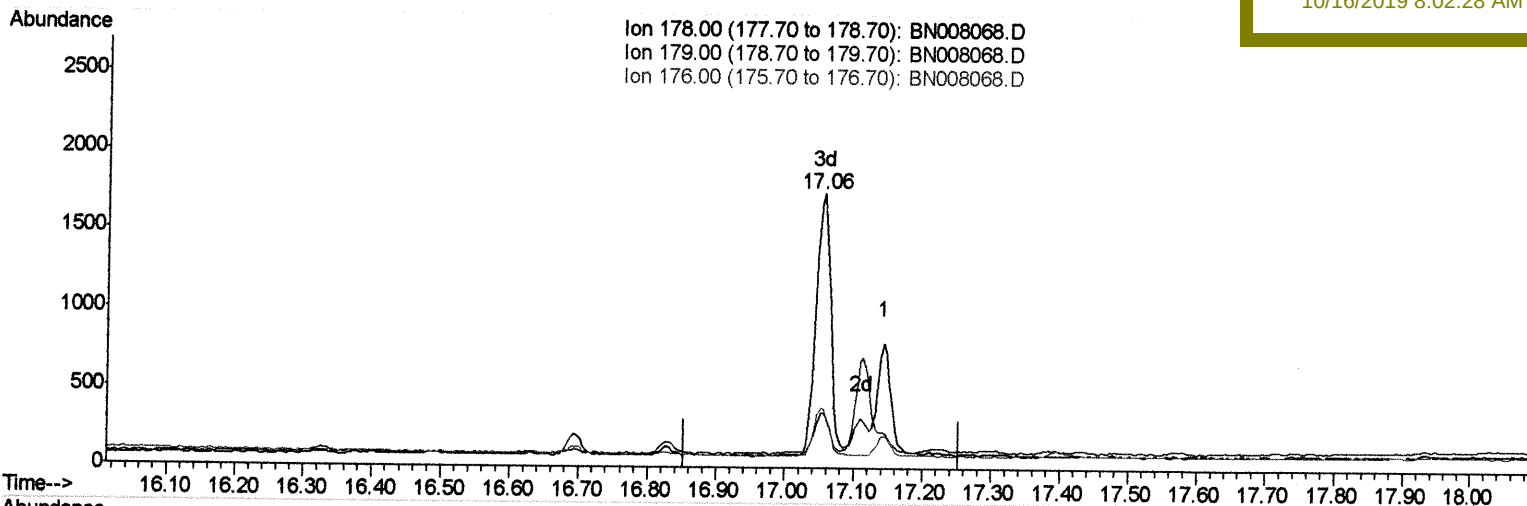
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
 APPROVED

mohammad
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Quant Time: Oct 11 19:01:56 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.055min (+0.000) 0.06ng/ul m JU 10/16/19

response 2460

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	20.06%
176.00	19.30	22.01
0.00	0.00	0.00

Quantitation Report (Qedit)

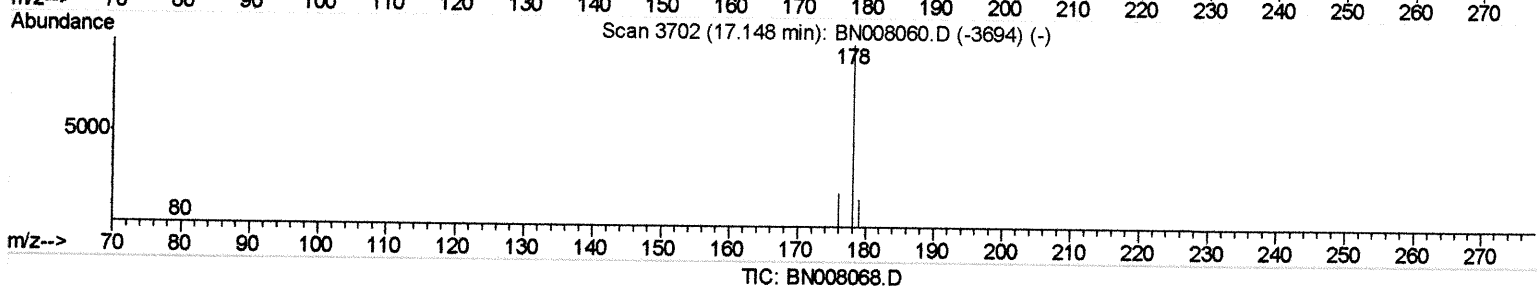
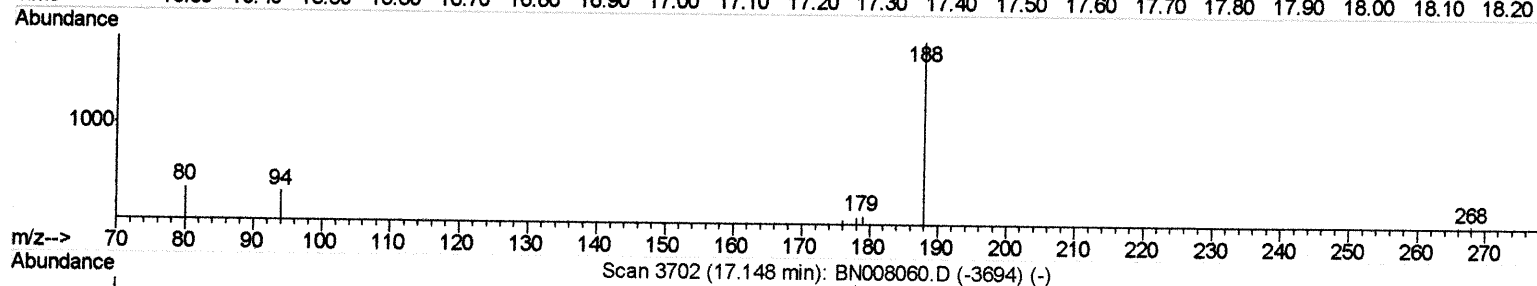
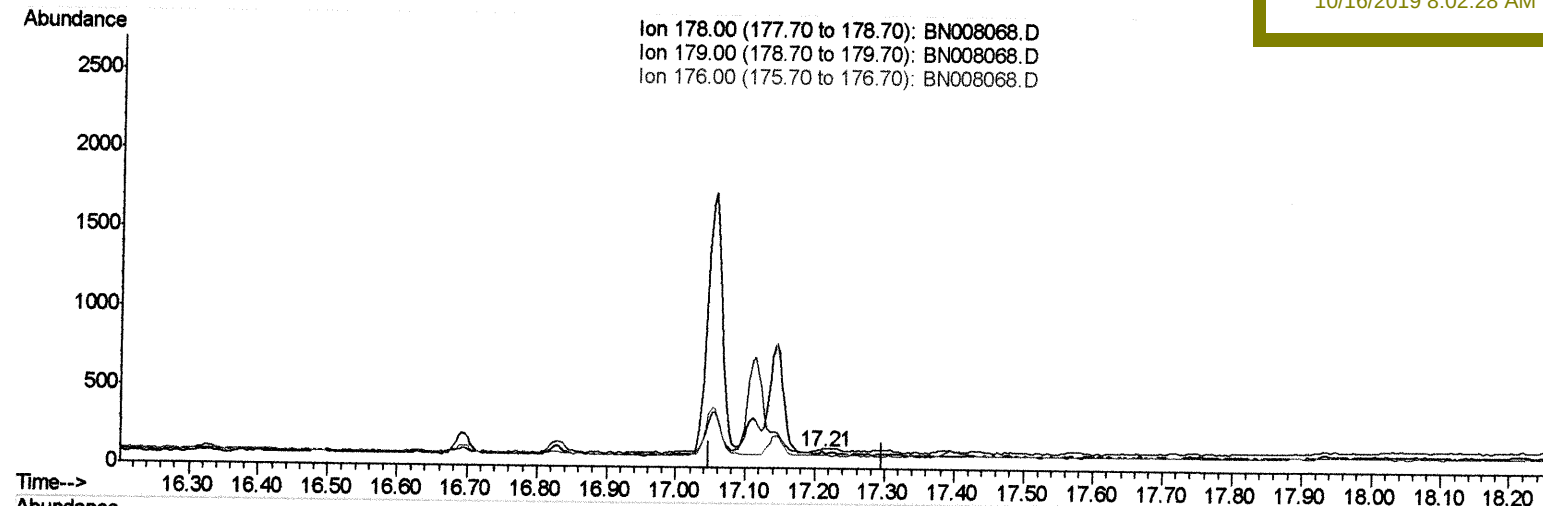
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Manual Integrations
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(13) Anthracene

17.211min (+0.063) 0.00ng/ul

response 25

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	116.67#
176.00	18.80	81.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

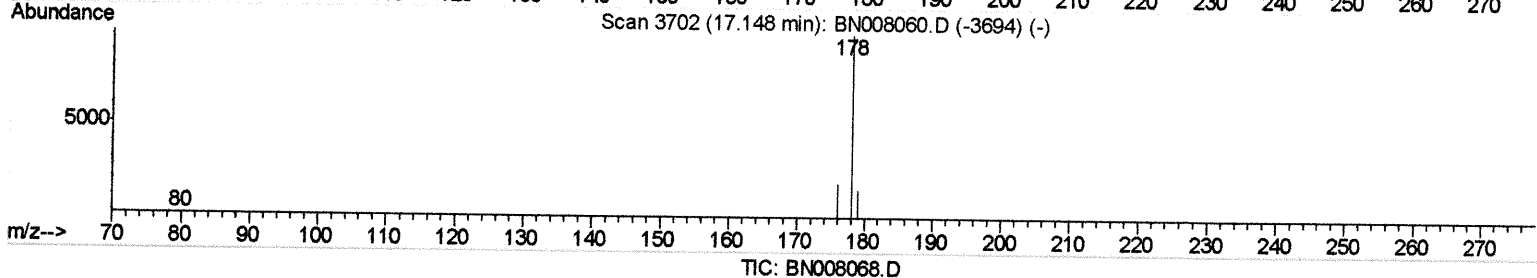
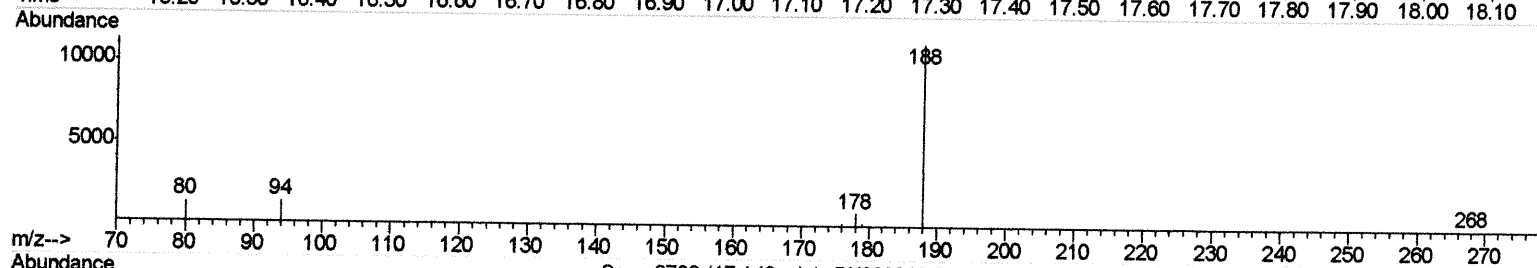
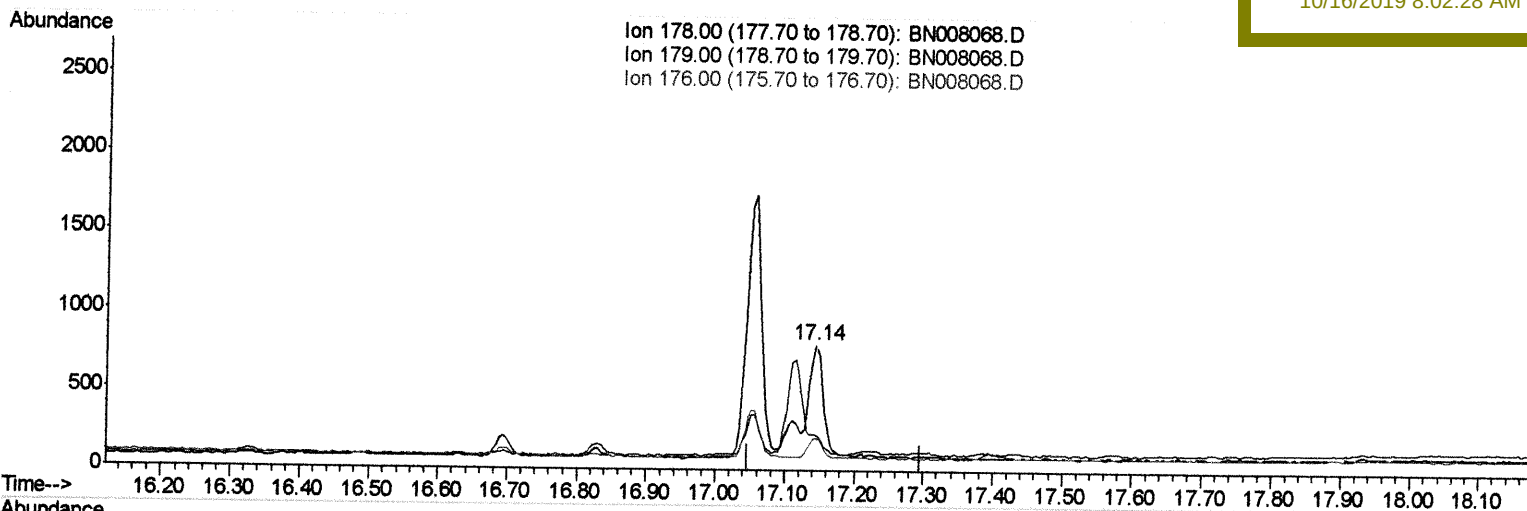
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
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(13) Anthracene

17.144min (-0.004) 0.03ng/ul m JU 10/16/19

response 1069

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	29.00#
176.00	18.80	25.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

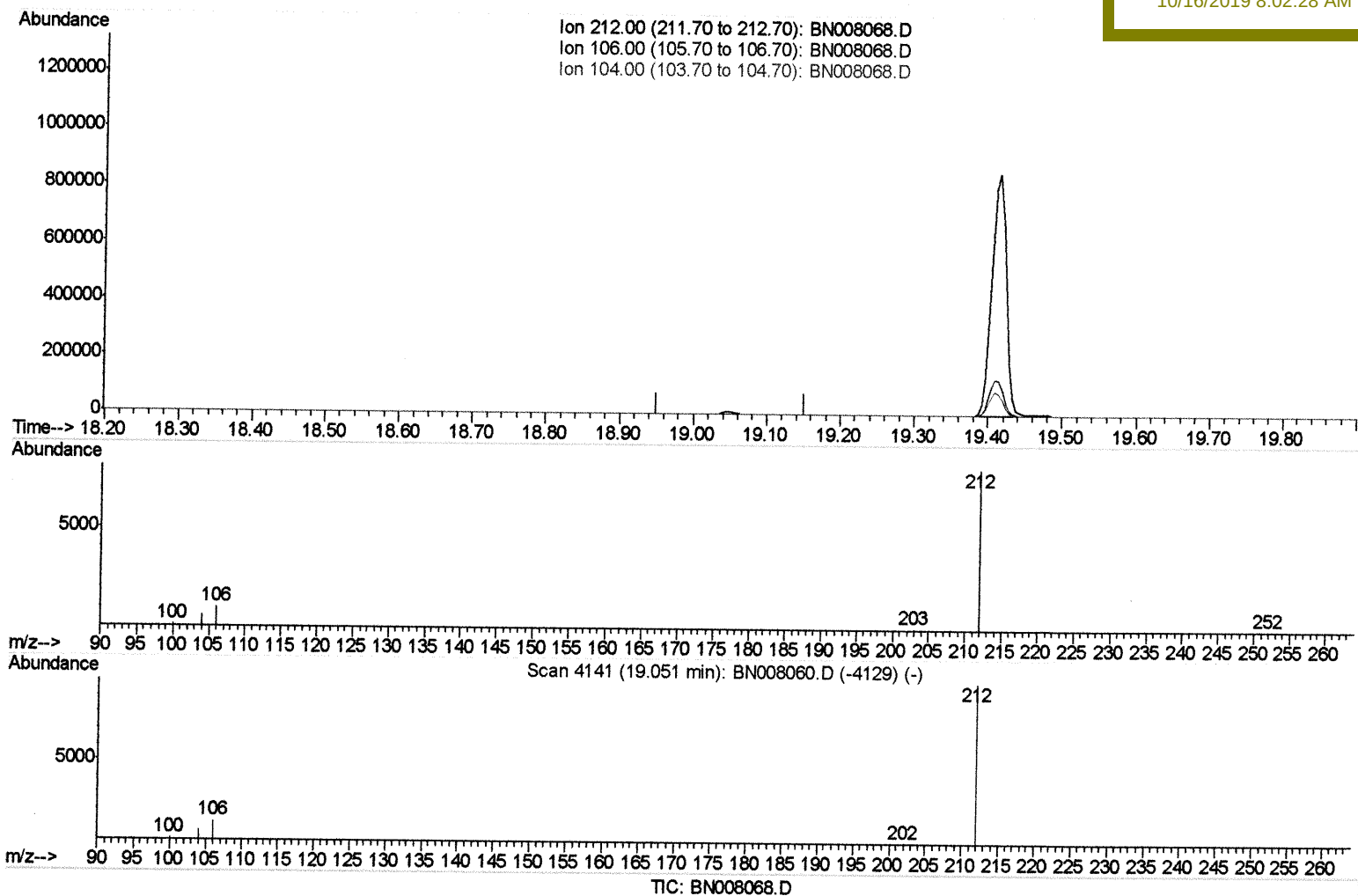
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(14) Fluoranthene-d10 (SURR)

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)

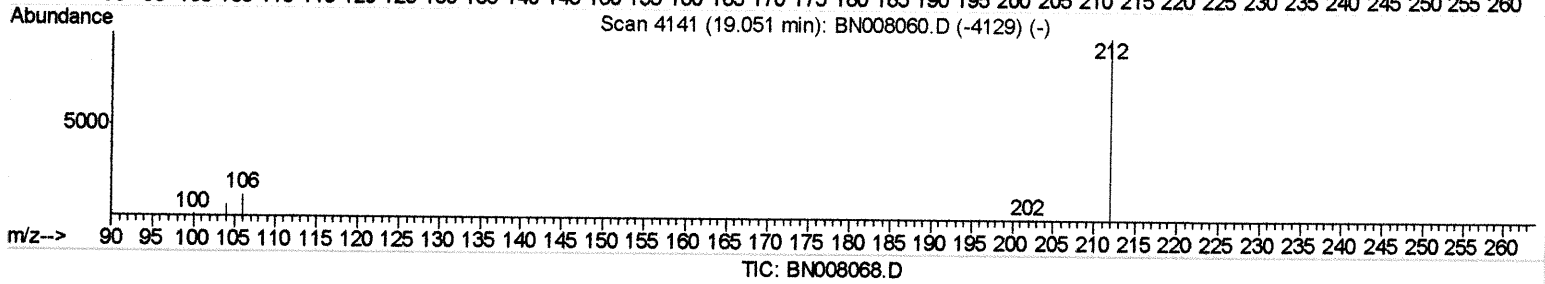
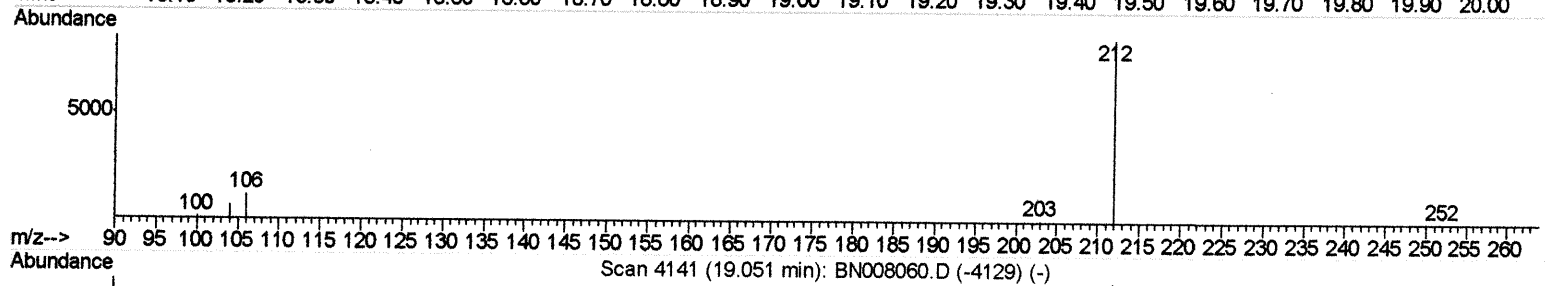
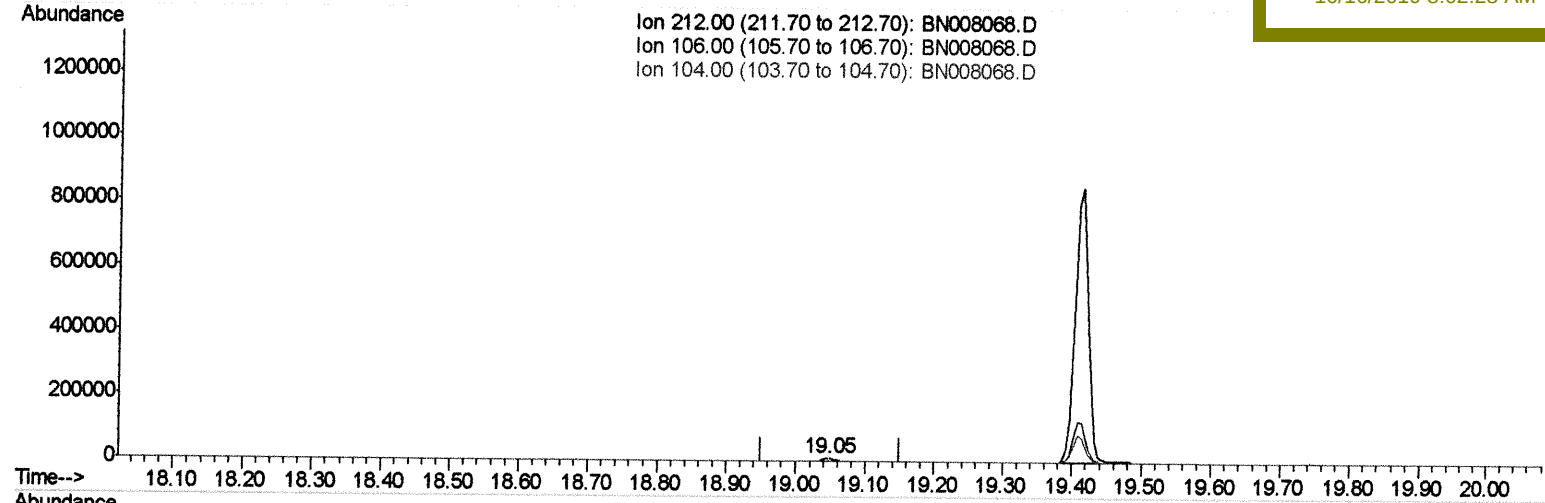
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(14) Fluoranthene-d10 (SURR)

19.046min (-0.005) 0.23ng/ul m

JU 10/16/19

response 12112

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)

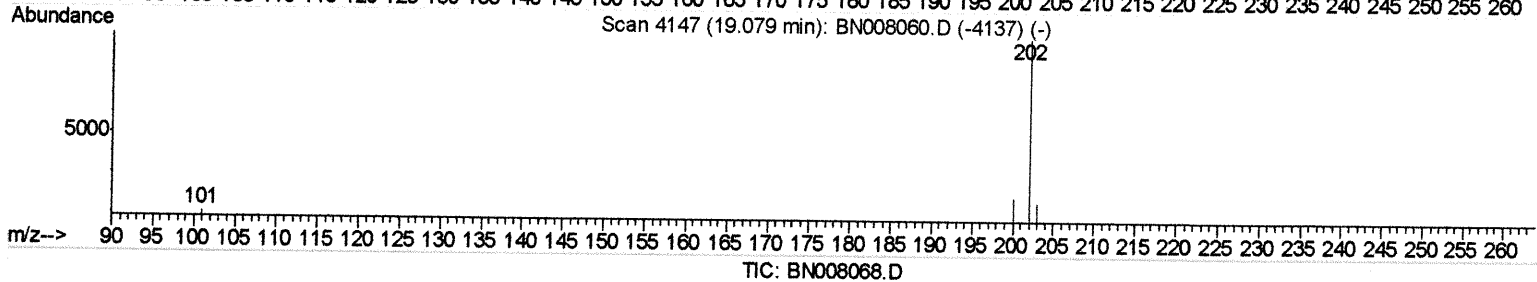
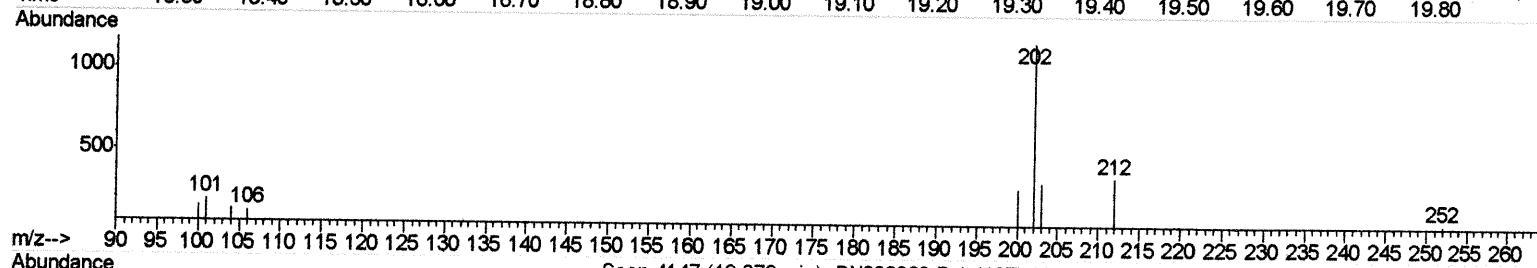
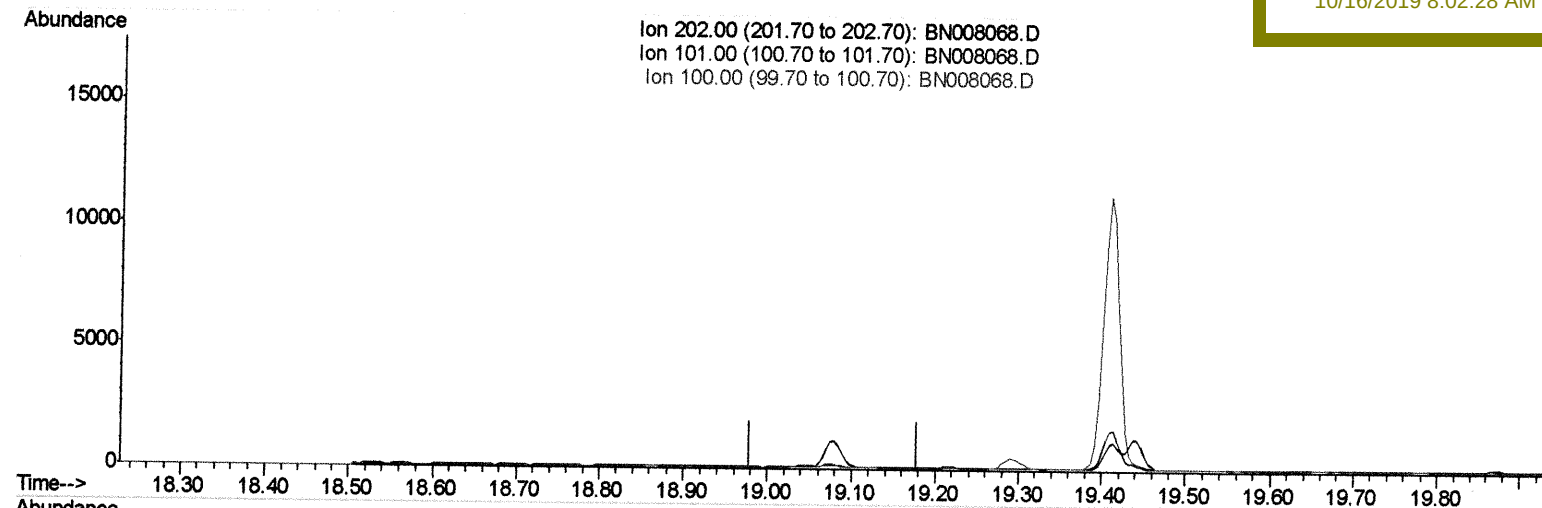
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(15) Fluoranthene (C)

19.079min (-19.079) 0.00ng/ui

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

Quantitation Report (Qedit)

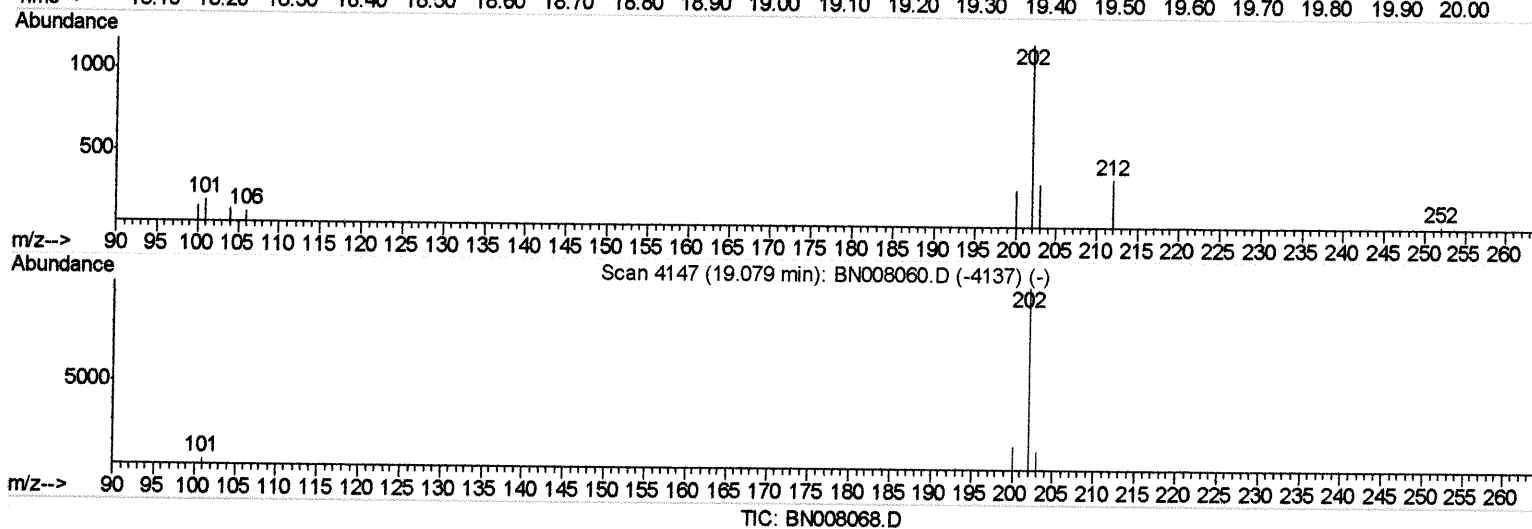
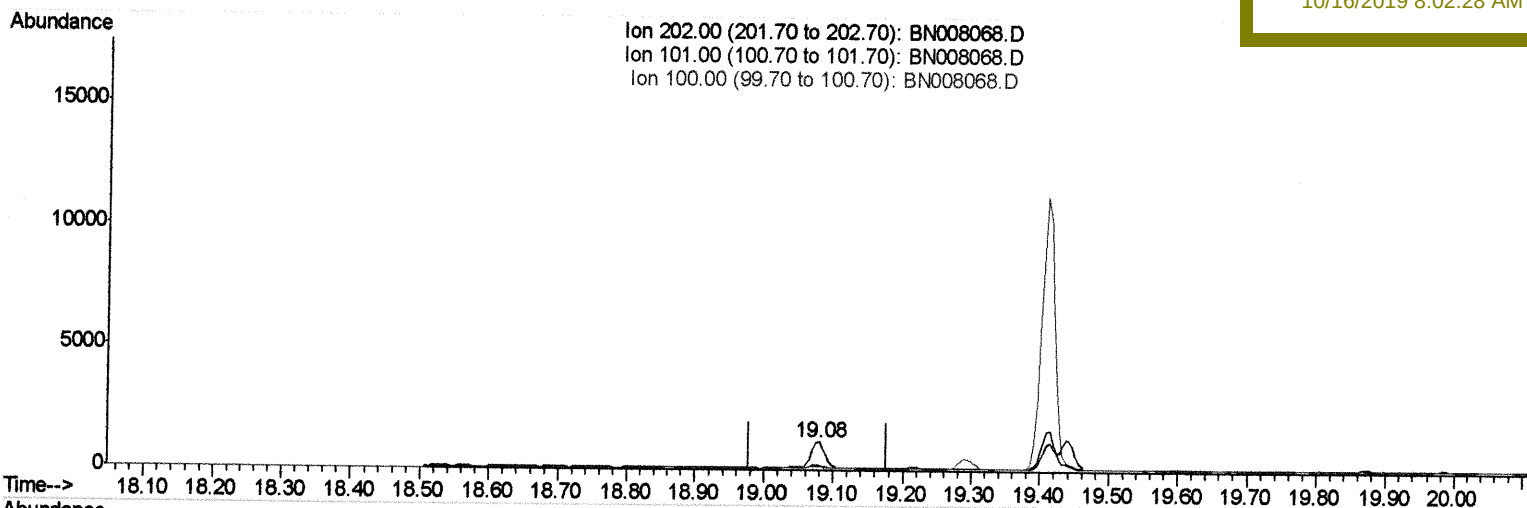
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Manual Integrations
APPROVED

mohammad
10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:01:56 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 : Thu Oct 10 16:11:31 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.079min (+0.000) 0.03ng/ul m JU 10/16/19

response 1593

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	16.89
100.00	8.50	13.65
0.00	0.00	0.00

Quantitation Report (Qedit)

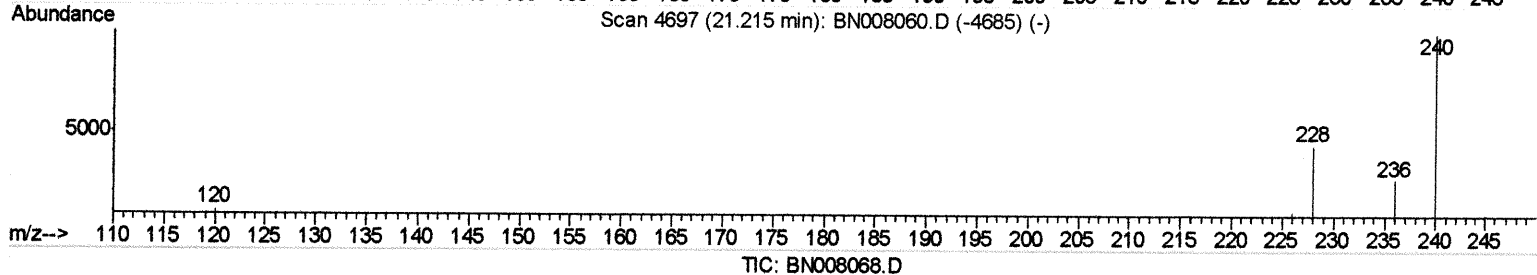
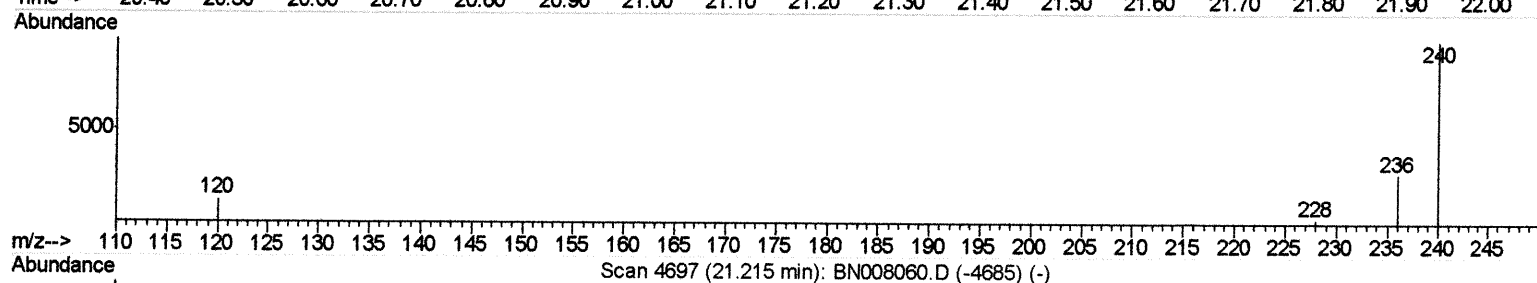
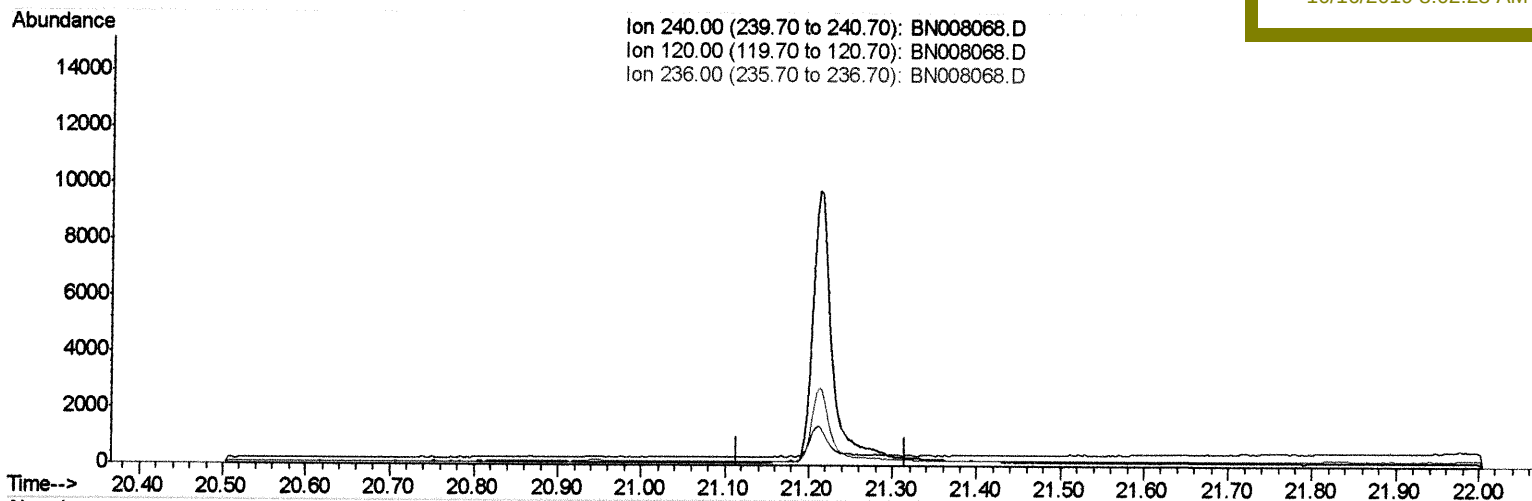
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 19:01:56 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 : Thu Oct 10 16:11:31 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Manual Integrations
APPROVED

mohammad
10/16/2019 8:02:28 AM



(16) Chrysene-d12 (I)

21.215min (-21.215) 0.00ng/ui

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

Quantitation Report (Qedit)

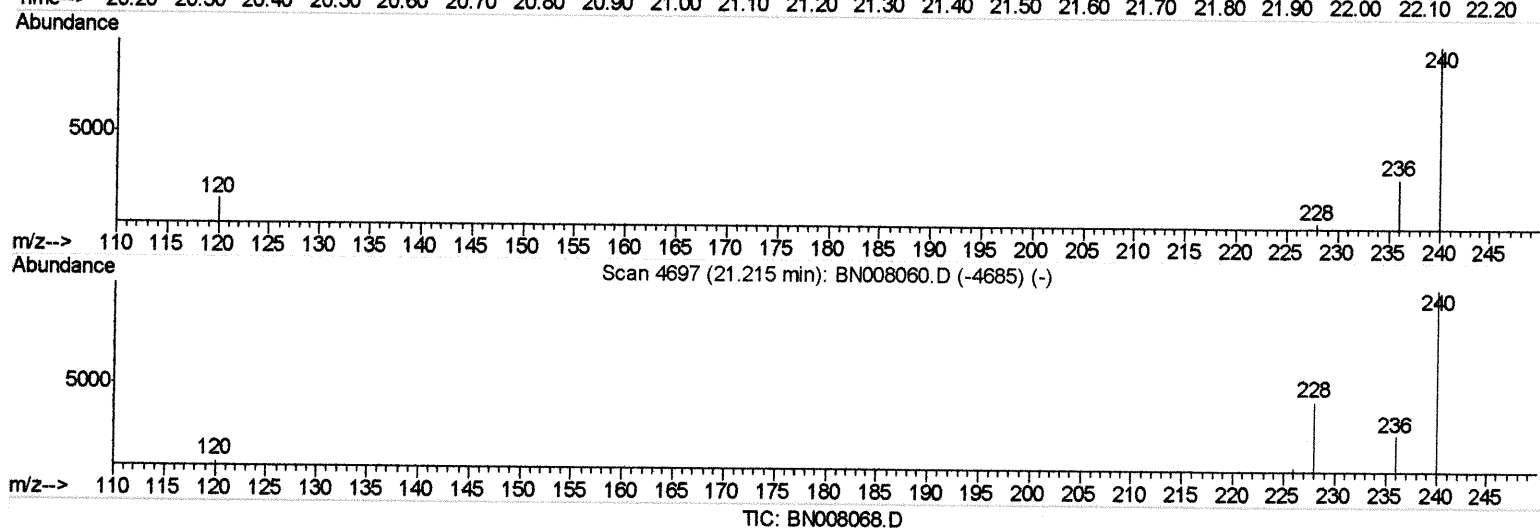
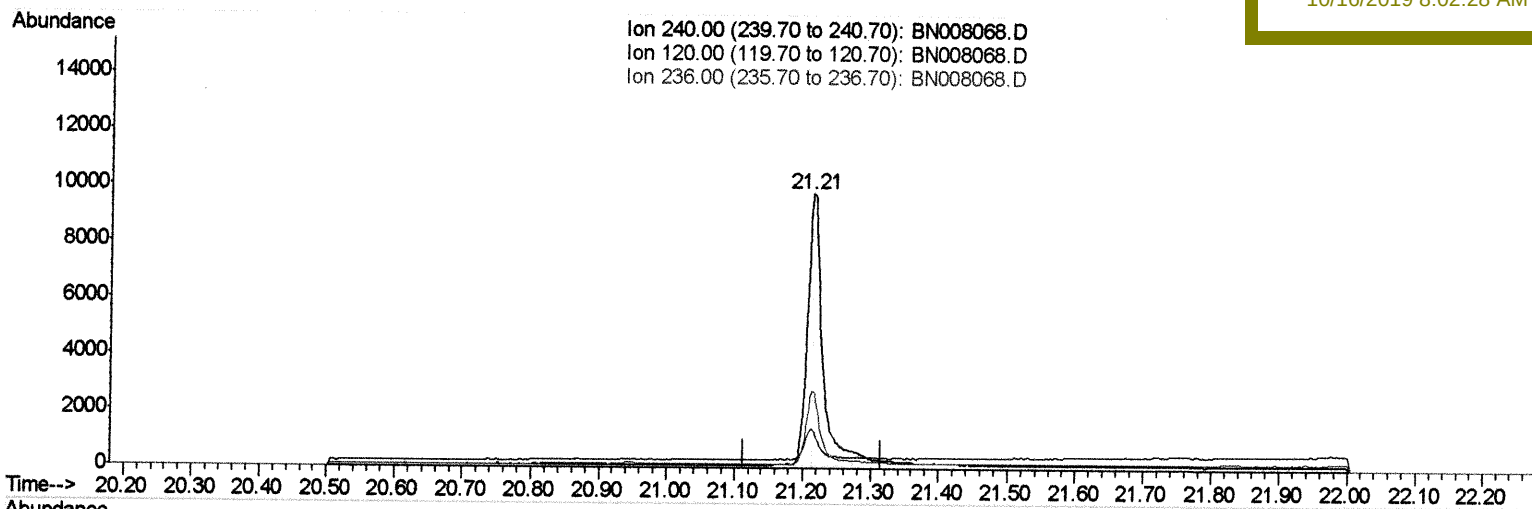
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Manual Integrations
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Quant Time: Oct 11 19:01:56 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 : Thu Oct 10 16:11:31 2019
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.212min (-0.003) 0.40ng/ul m *JU 10/16/19*

response 15050

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.59
236.00	28.40	28.41
0.00	0.00	0.00

Quantitation Report (Qedit)

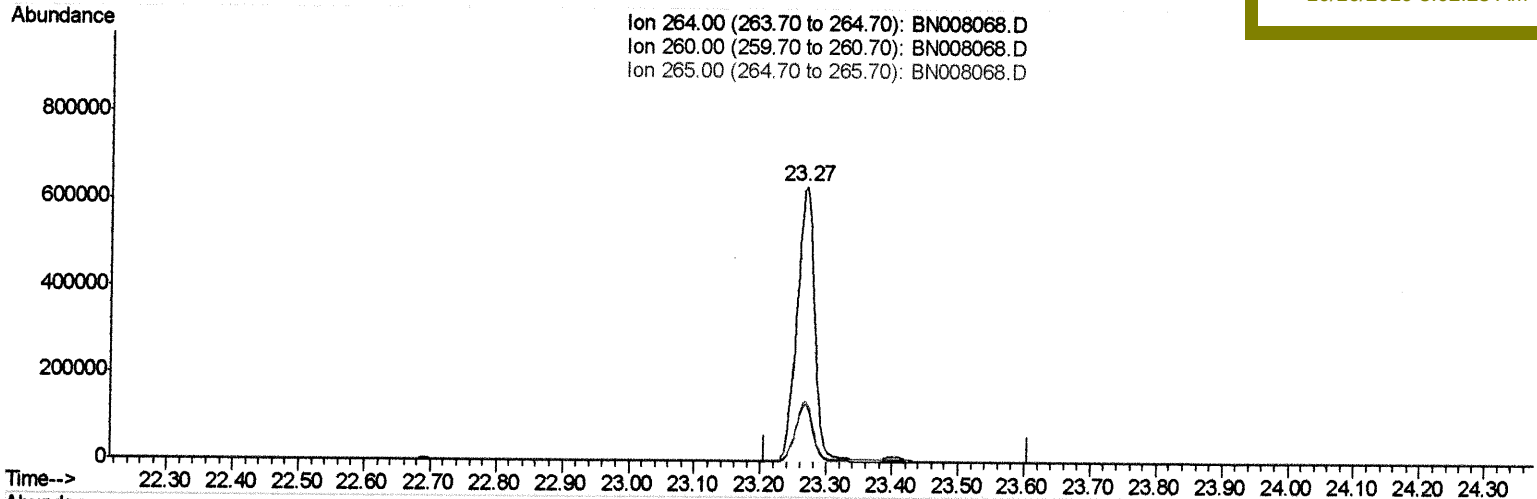
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

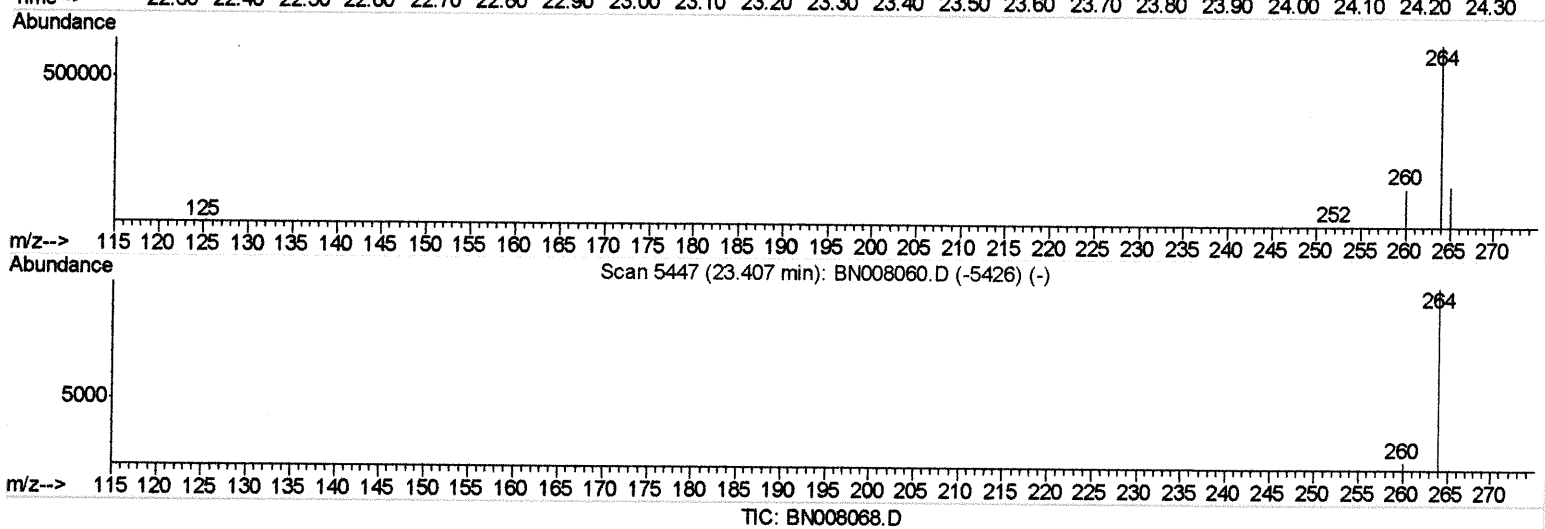
Manual Integrations
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mohammad
 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:03:42 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



Ion 264.00 (263.70 to 264.70): BN008068.D
 Ion 260.00 (259.70 to 260.70): BN008068.D
 Ion 265.00 (264.70 to 265.70): BN008068.D



Scan 5447 (23.407 min): BN008068.D (-5426) (-)

TIC: BN008068.D

(20) Perylene-d12 (I)

23.267min (-0.140) 0.40ng/ul

response 1186399

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	20.85
265.00	74.00	22.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

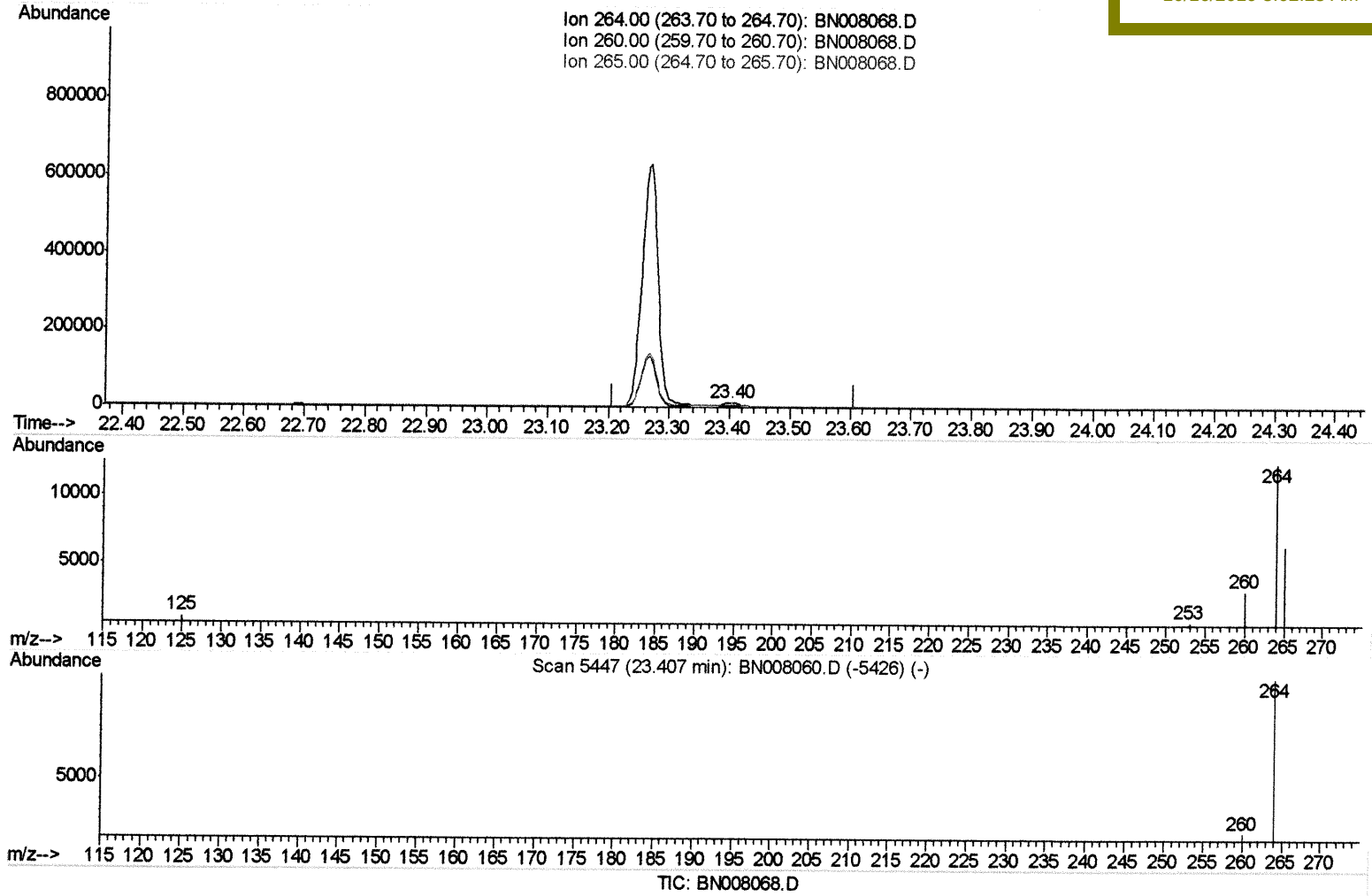
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:03:42 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.402min (-0.006) 0.40ng/ul m JU 10/16/19

response 15414

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	24.55
265.00	74.00	50.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

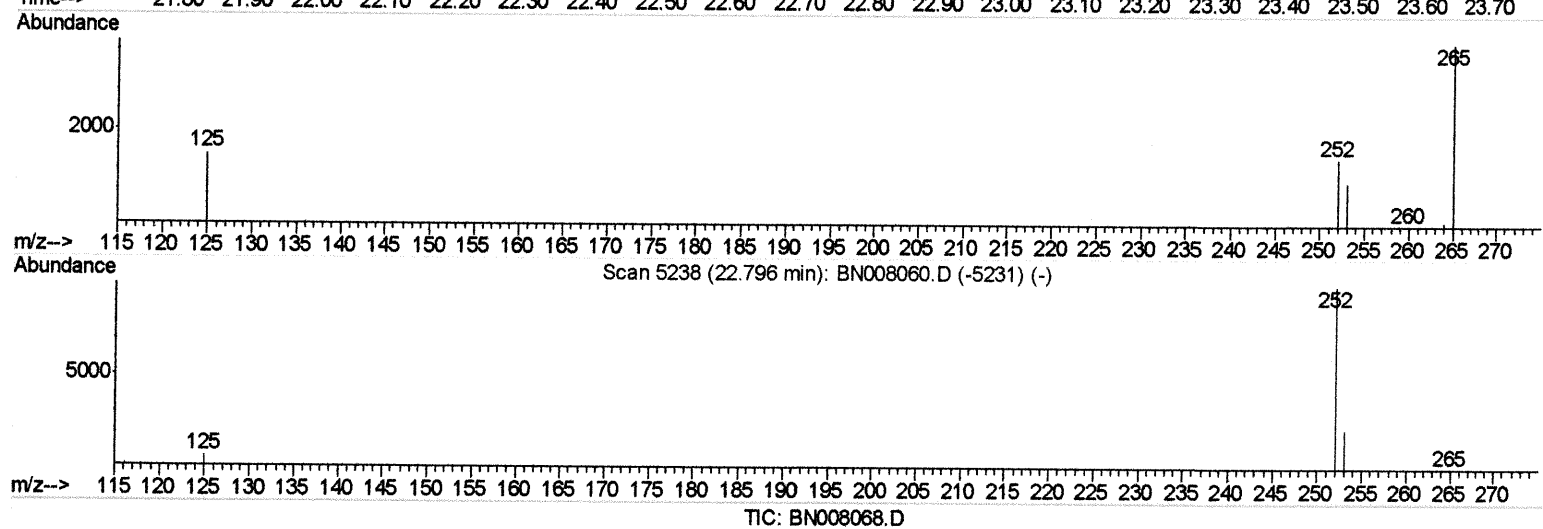
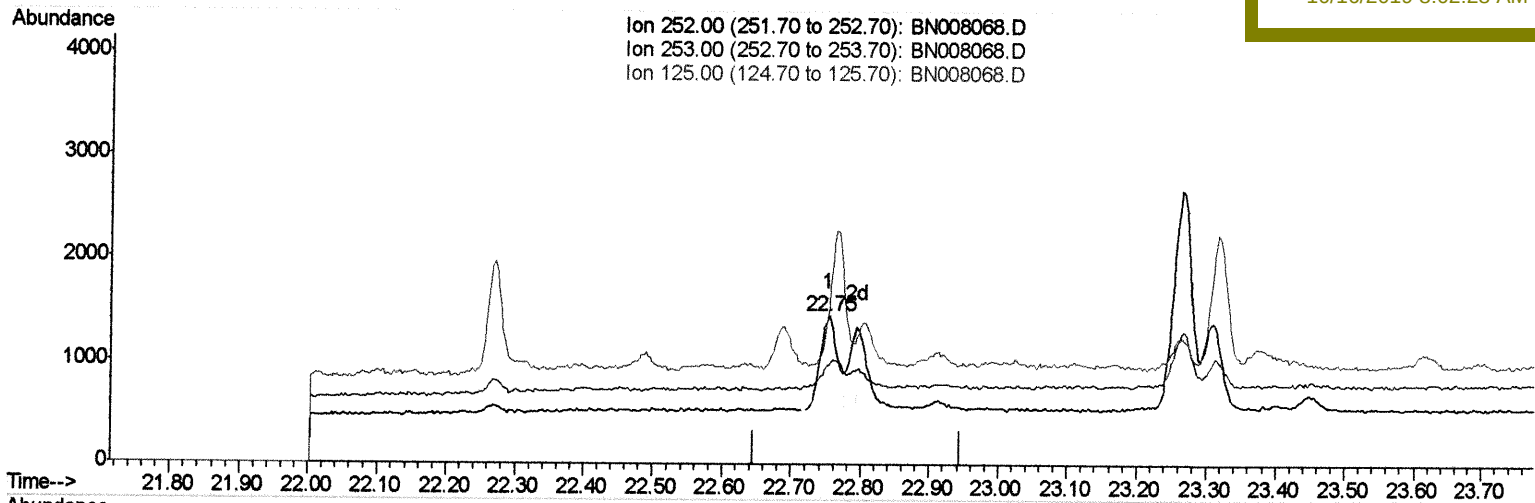
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Manual Integrations
APPROVED

mohammad
10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.752min (-0.044) 0.03ng/ul

response 1626

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	67.92#
125.00	15.40	104.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

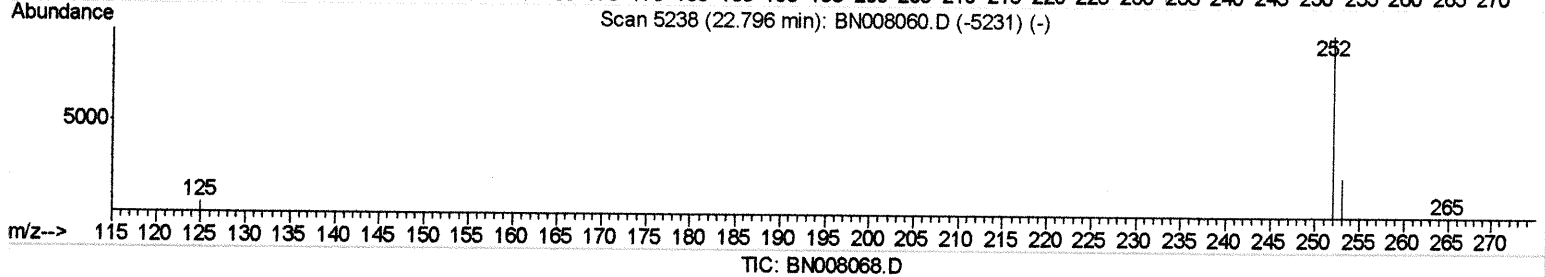
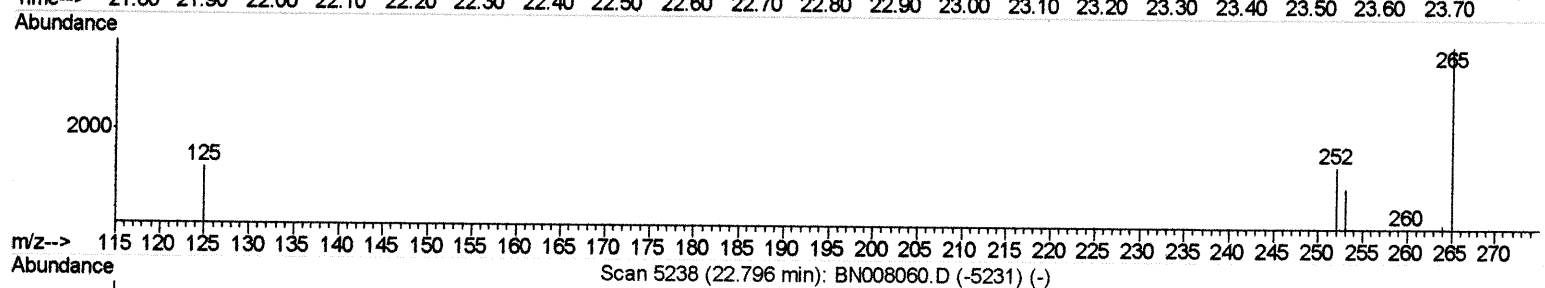
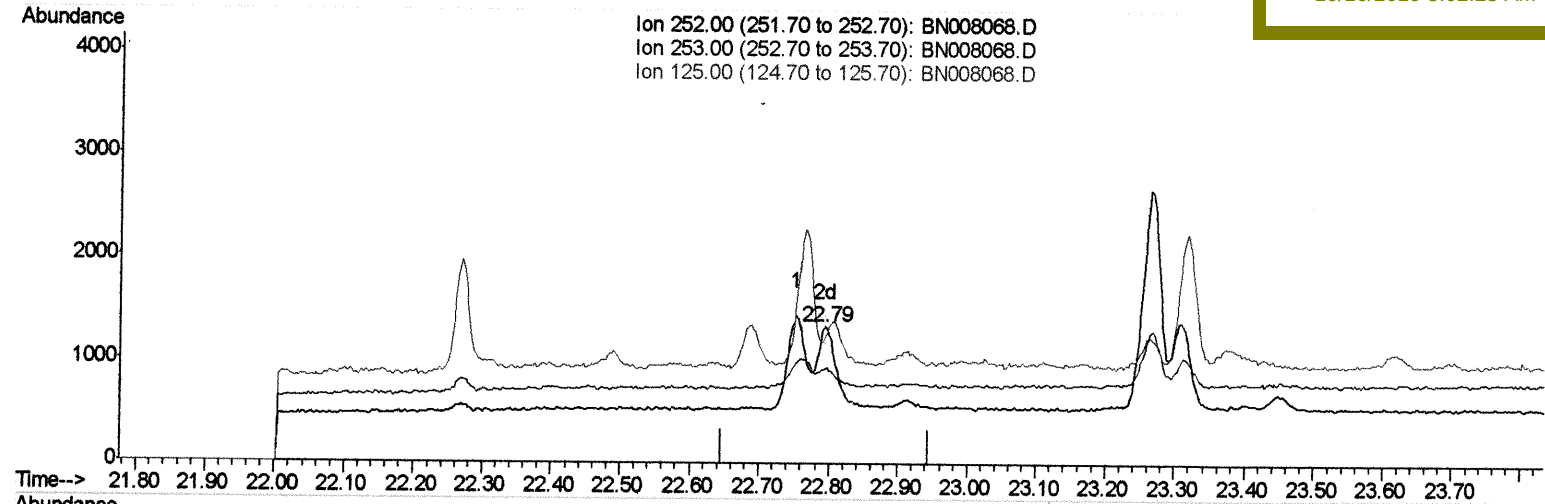
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:28 AM



(22) Benzo(k)fluoranthene

22.793min (-0.003) 0.03ng/ul m JU 10/16/19

response 1539

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	69.02#
125.00	15.40	92.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

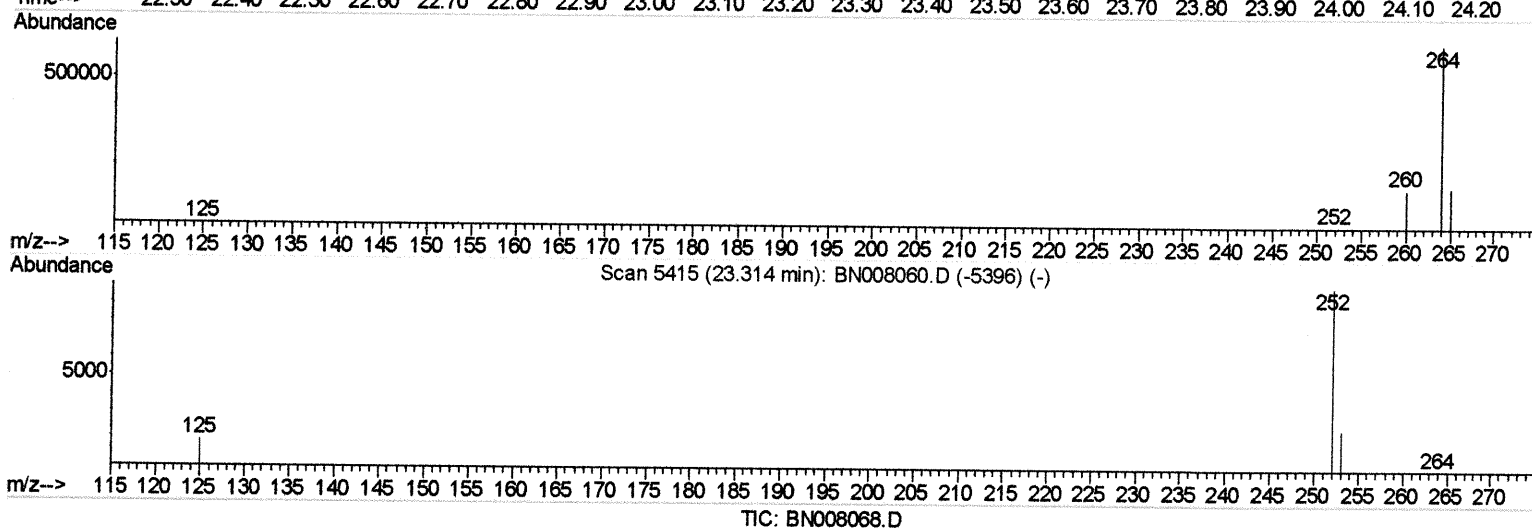
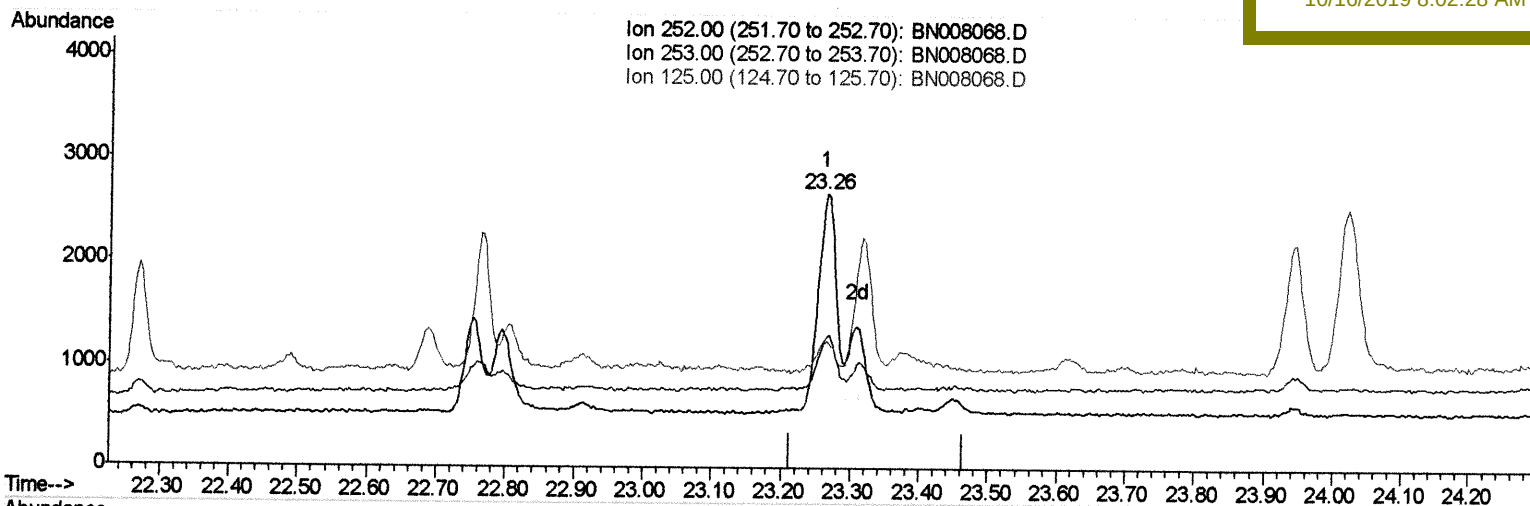
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
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 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)
 23.264min (-0.050) 0.07ng/ul
 response 3876

Ion	Exp%	Act%
252.00	100	100
253.00	28.50	47.68#
125.00	23.00	46.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

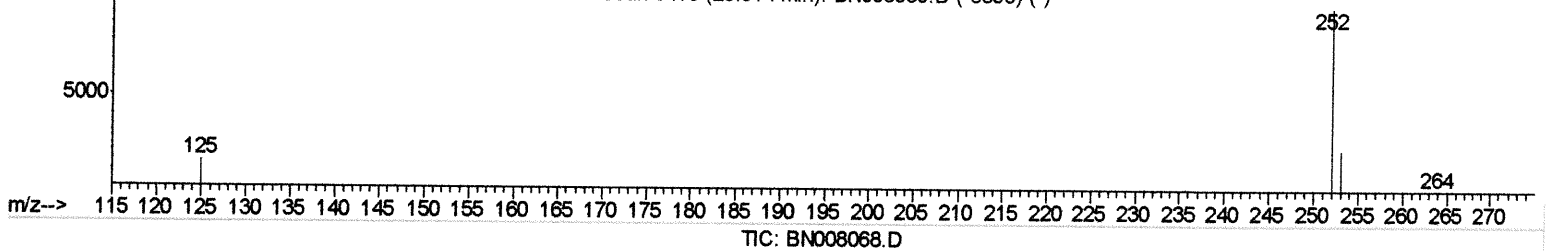
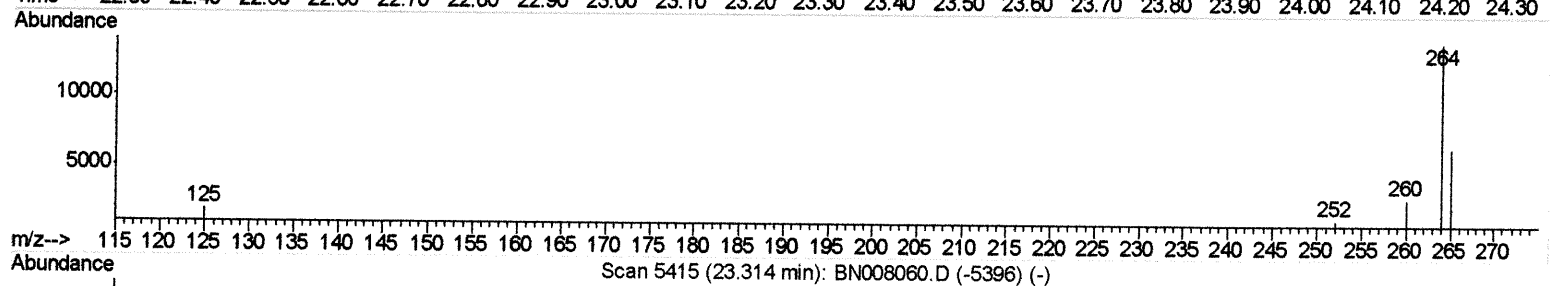
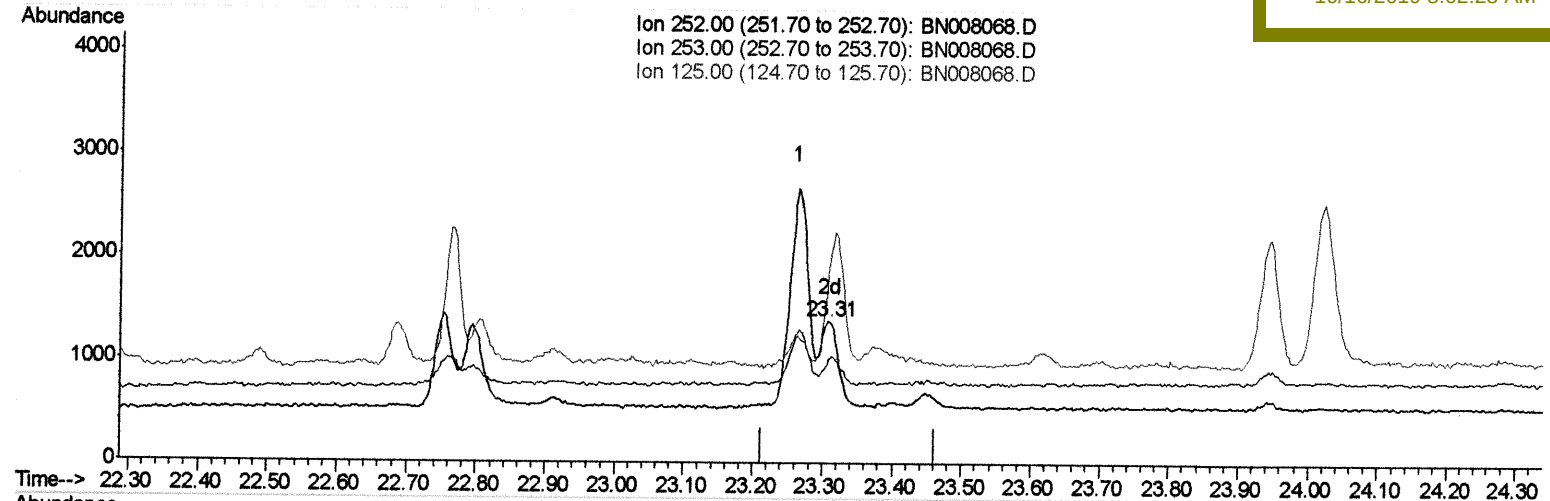
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
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Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.308min (-0.006) 0.03ng/ul m

Ju 10/16/19

response 1706

Ion	Exp%	Act%
252.00	100	100
253.00	28.50	73.27#
125.00	23.00	134.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

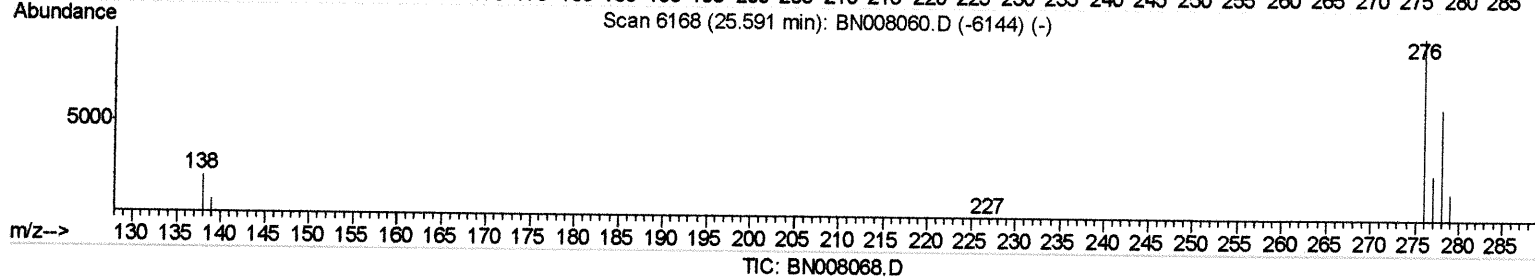
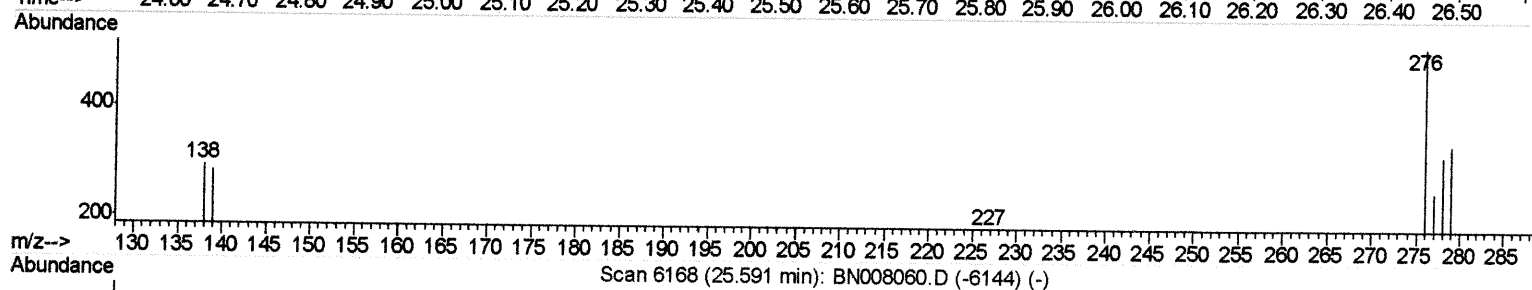
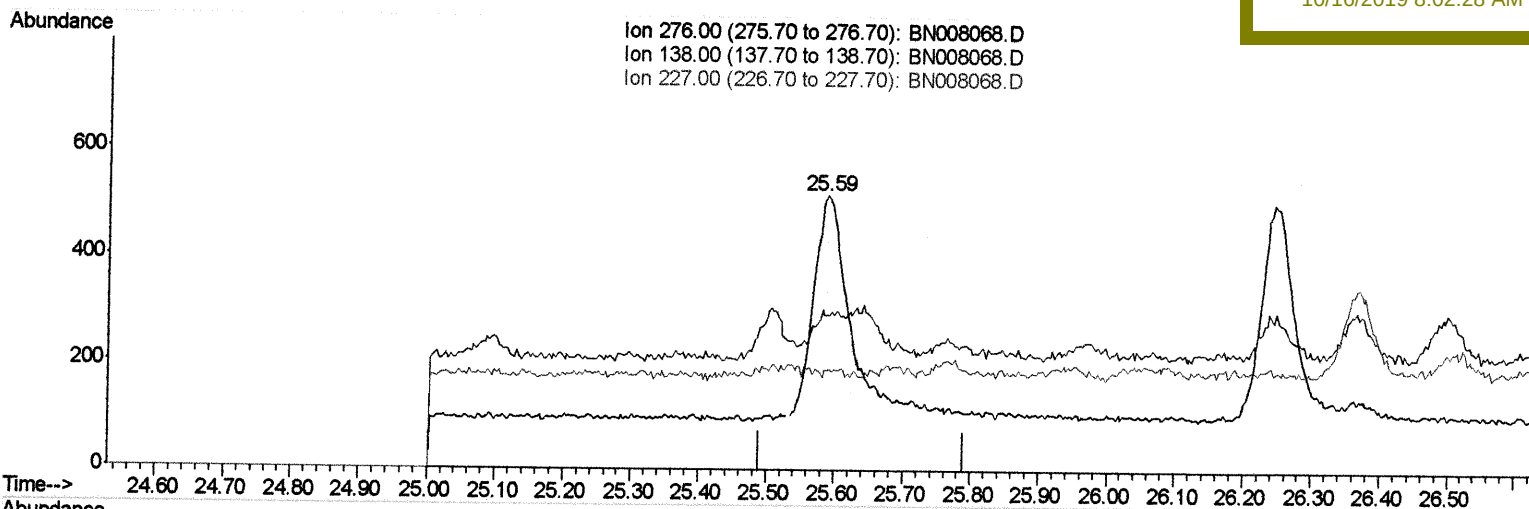
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(24) Indeno(1,2,3-cd)pyrene

25.587min (-0.003) 0.02ng/ul

response 1244

Ion	Exp%	Act%
276.00	100	100
138.00	20.10	17.04
227.00	0.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

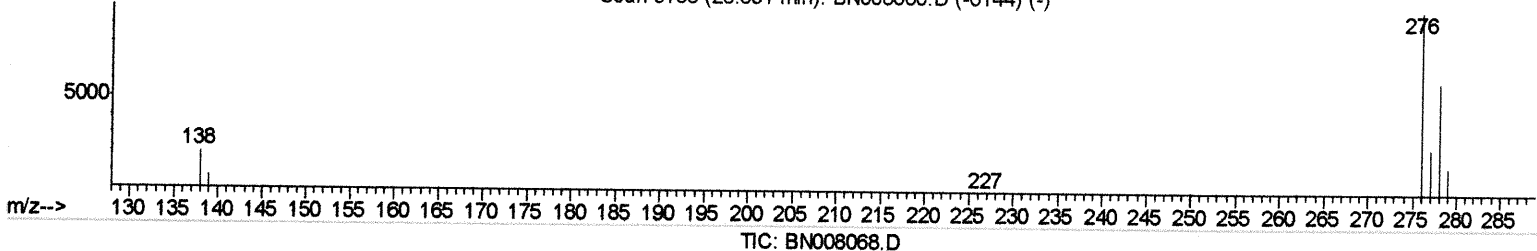
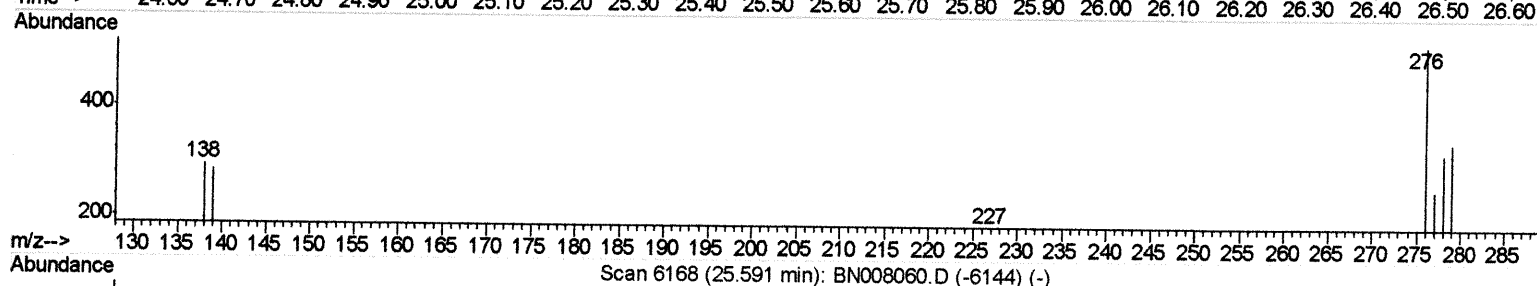
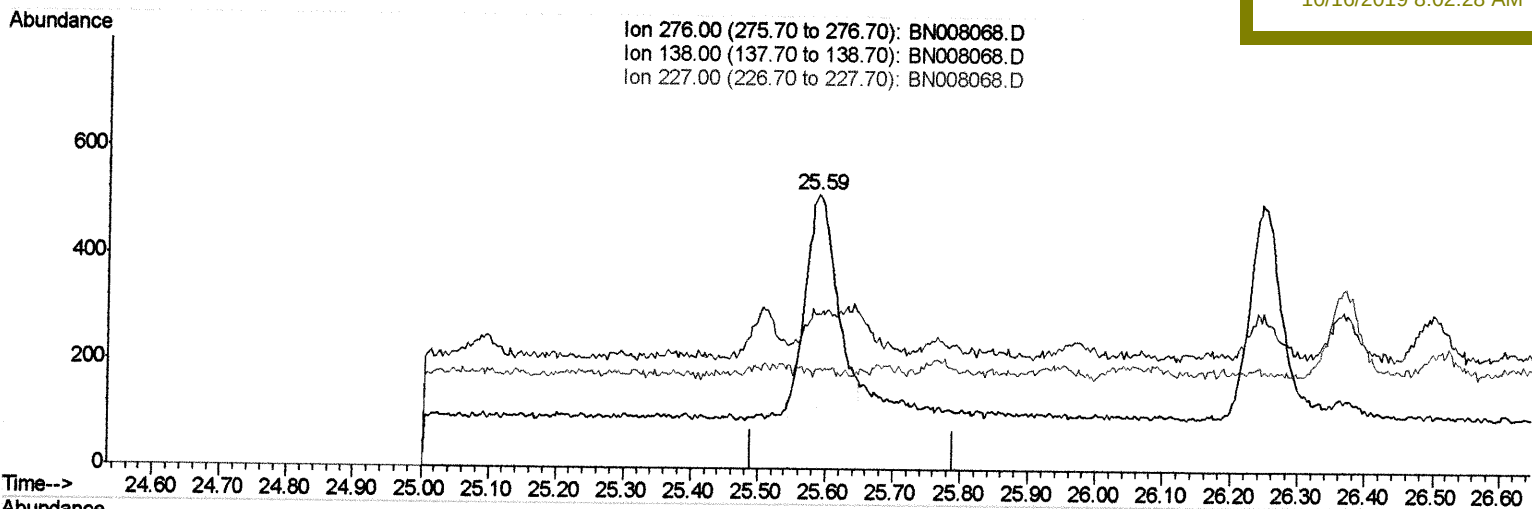
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
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 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(24) Indeno(1,2,3-cd)pyrene

25.587min (-0.003) 0.02ng/ul m *JU 10/16/19*

response 1399

Ion	Exp%	Act%
276.00	100	100
138.00	20.10	15.15#
227.00	0.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

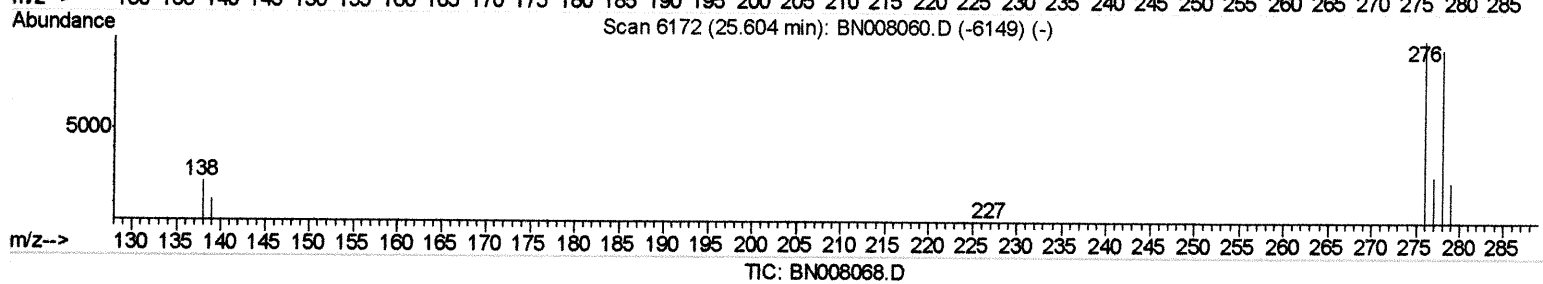
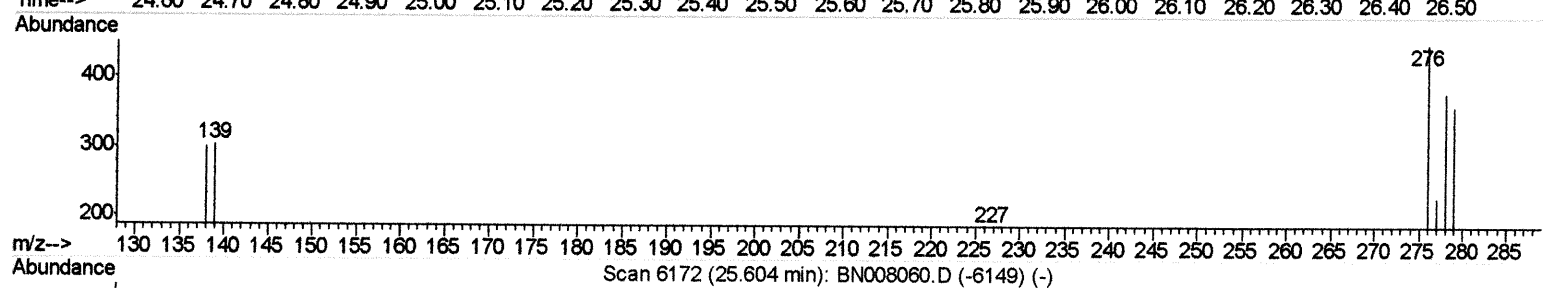
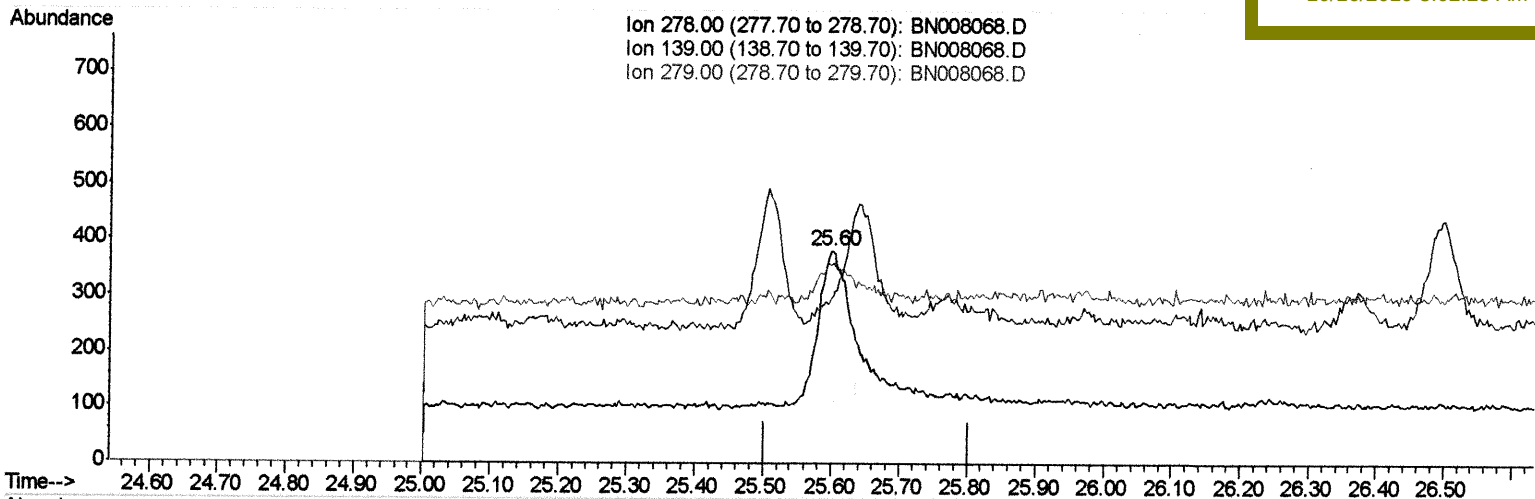
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
Data File : BN008068.D
Acq On : 11 Oct 2019 09:34
Operator : JU
Sample : K5050-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

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(25) Dibenzo(a,h)anthracene

25.601min (-0.003) 0.02ng/ul

response 824

Ion	Exp%	Act%
278.00	100	100
139.00	18.80	79.27#
279.00	28.00	94.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

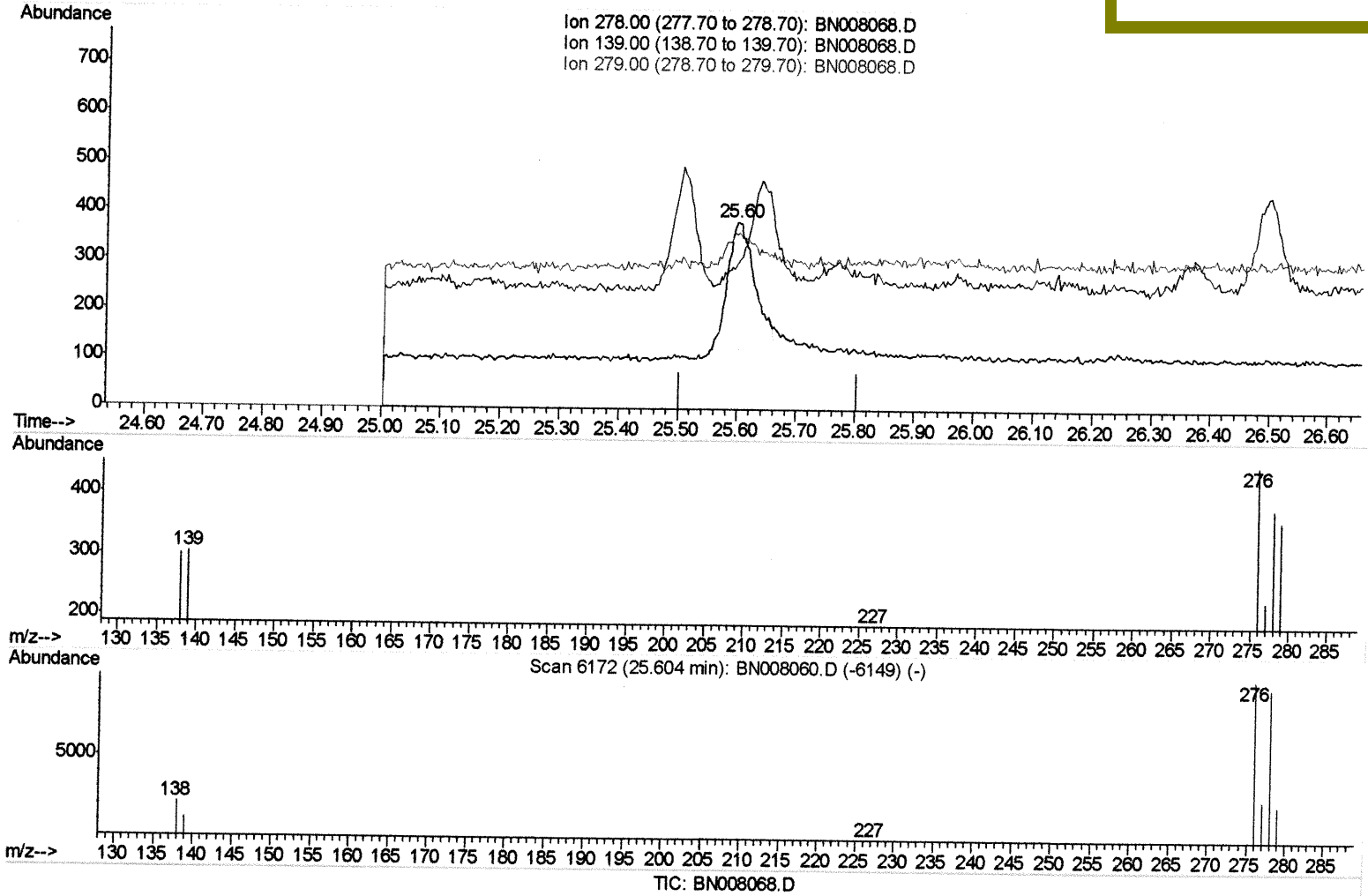
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
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Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.601min (-0.003) 0.02ng/ul m JU 10/16/19

response 985

Ion	Exp%	Act%
278.00	100	100
139.00	18.80	79.27#
279.00	28.00	94.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

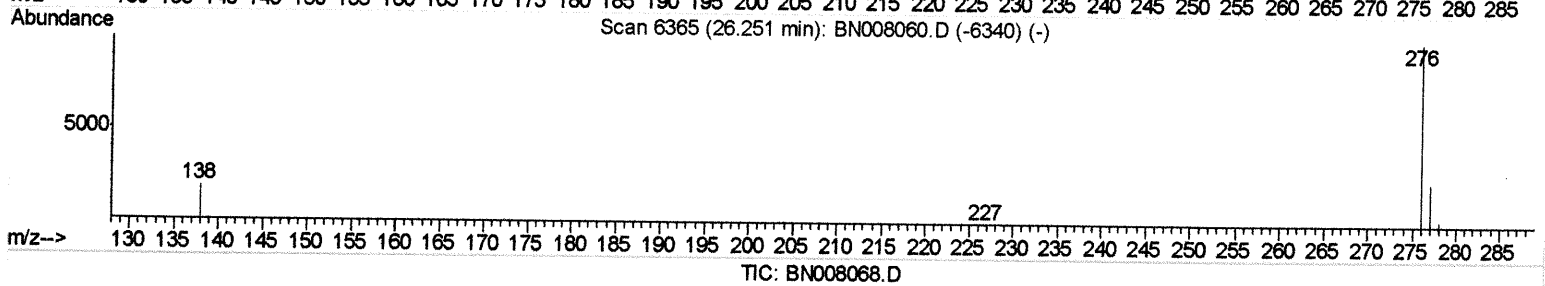
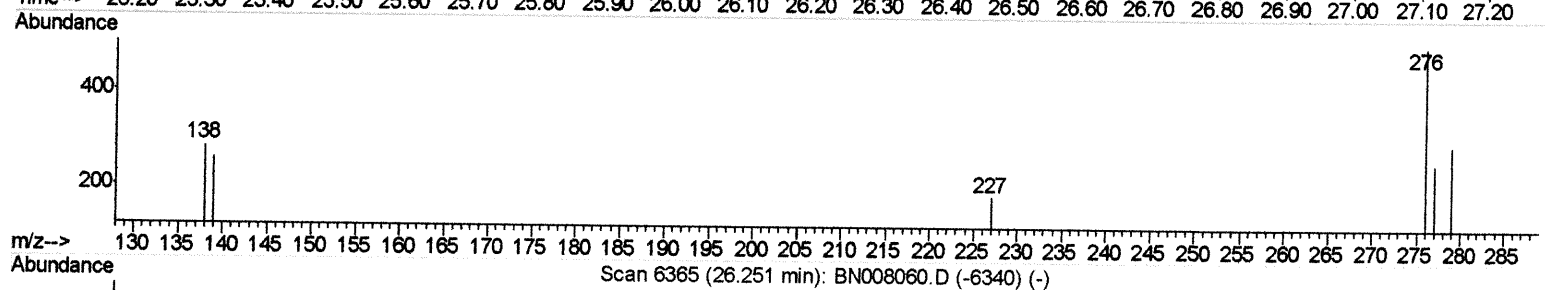
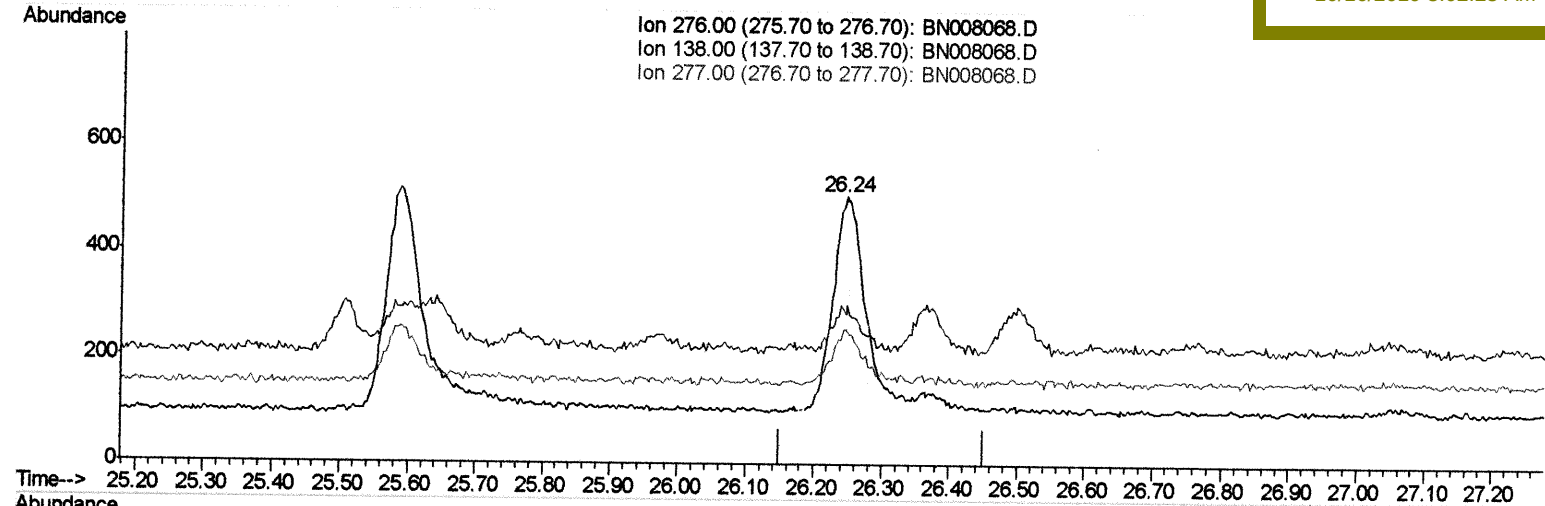
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 JLM51DL

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(26) Benzo(g,h,i)perylene
 26.245min (-0.007) 0.02ng/ul
 response 1152

Ion	Exp%	Act%
276.00	100	100
138.00	21.20	55.95#
277.00	25.50	50.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

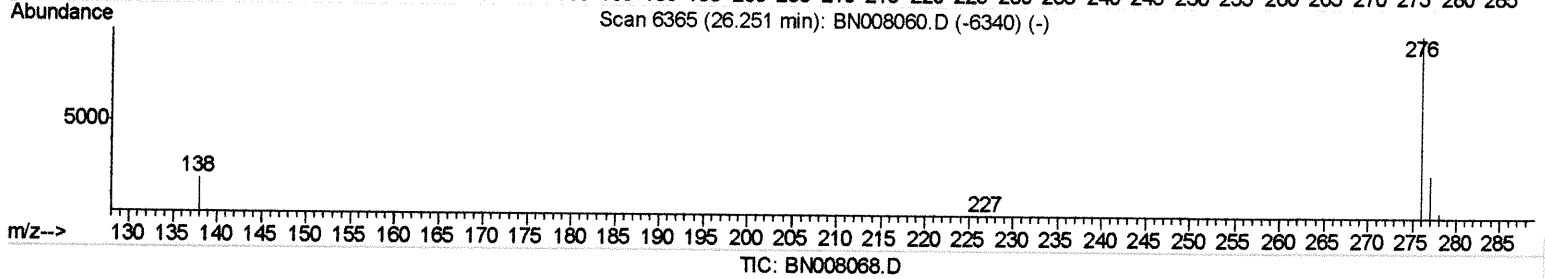
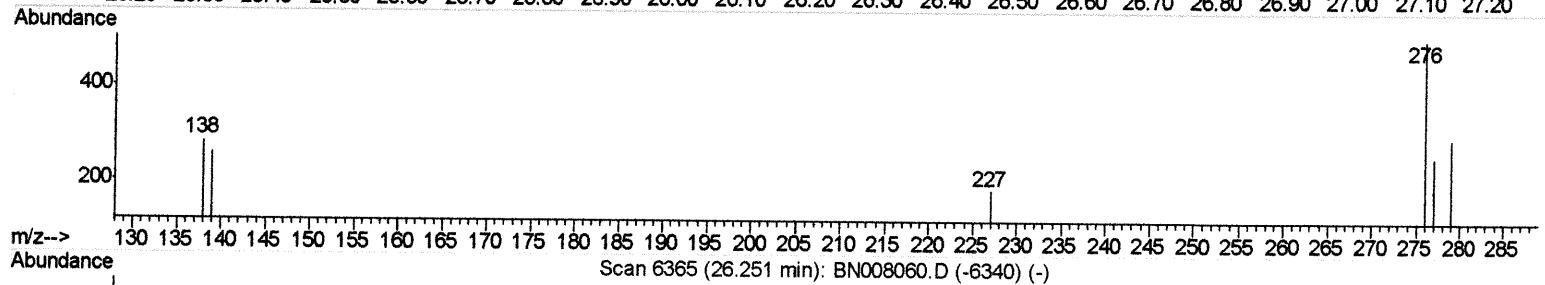
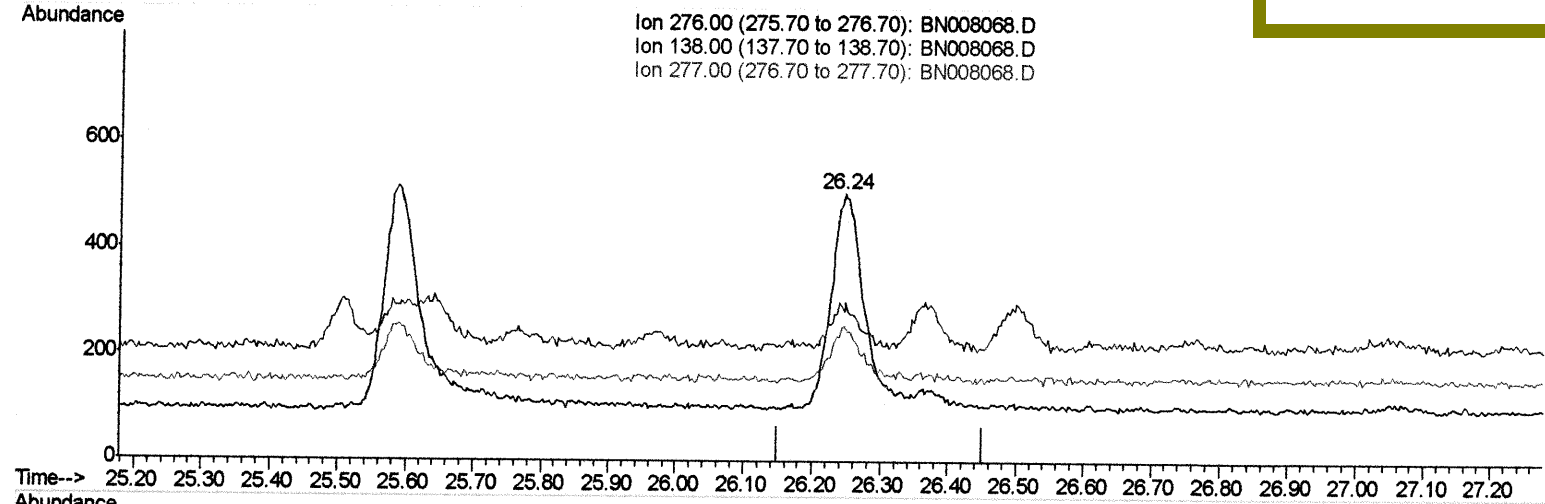
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:28 AM

Quant Time: Oct 11 19:04:12 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration



(26) Benzo(g,h,i)perylene

26.245min (-0.007) 0.02ng/ul m JU 10/16/19

response 1328

Ion	Exp%	Act%
276.00	100	100
138.00	21.20	55.95#
277.00	25.50	50.79#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN101119\
 Data File : BN008068.D
 Acq On : 11 Oct 2019 09:34
 Operator : JU
 Sample : K5050-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51DL

Quant Time: Oct 11 19:05:51 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 : Thu Oct 10 16:11:31 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:28 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2197	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	10067	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	6599	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	15038m	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	15050m	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	15414m	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.00	152	3897	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	12112m	0.23	ng/ul	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.45	128	1619	0.056	ng/ul#	85
5) 2-Methylnaphthalene	12.07	142	1395	0.071	ng/ul	100
7) Acenaphthylene	13.98	152	787	0.025	ng/ul#	78
8) Acenaphthene	14.33	153	594	0.024	ng/ul	95
9) Fluorene	15.32	166	756	0.027	ng/ul#	93
12) Phenanthrene	17.06	178	2460m	0.056	ng/ul	} JU 10/16/19
13) Anthracene	17.14	178	1069m	0.028	ng/ul	
15) Fluoranthene	19.08	202	1593m	0.027	ng/ul	
17) Pyrene	19.44	202	1501	0.025	ng/ul#	75
18) Benzo(a)anthracene	21.20	228	1421	0.026	ng/ul#	80
19) Chrysene	21.25	228	1798	0.027	ng/ul#	85
22) Benzo(k)fluoranthene	22.79	252	1539m	0.027	ng/ul	1
23) Benzo(a)pyrene	23.31	252	1706m	0.032	ng/ul	} JU 10/16/19
24) Indeno(1,2,3-cd)pyrene	25.59	276	1399m	0.022	ng/ul	
25) Dibenzo(a,h)anthracene	25.60	278	985m	0.020	ng/ul	
26) Benzo(a,h,i)perylene	26.24	276	1328m	0.023	ng/ul	

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