

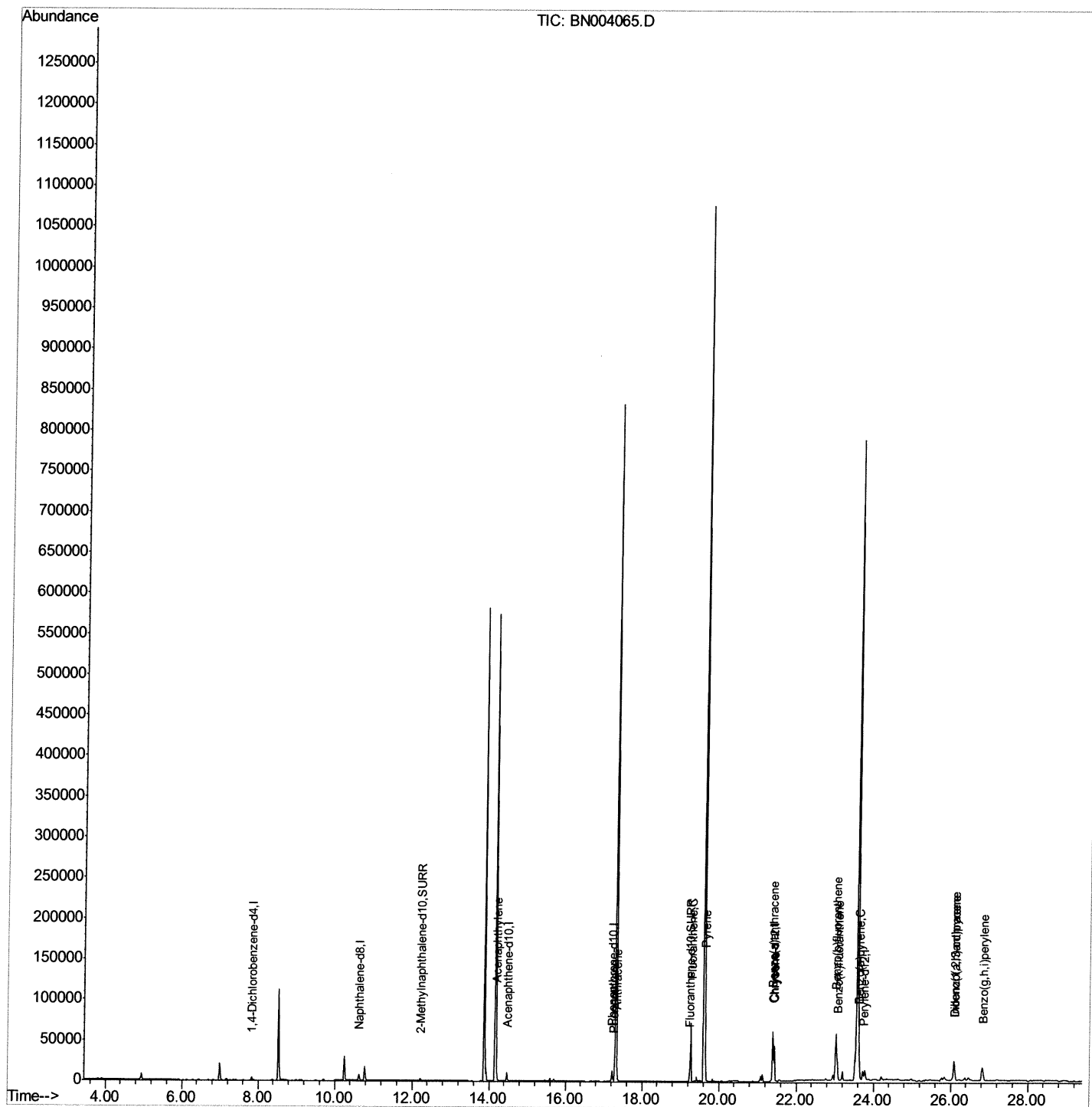
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
Data File : BN004065.D
Acq On : 18 Dec 2018 08:29
Operator : JU/SJ
Sample : J6270-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9E12

Manual Integrations
APPROVED

Sohil
12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:18:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 06:35:27 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

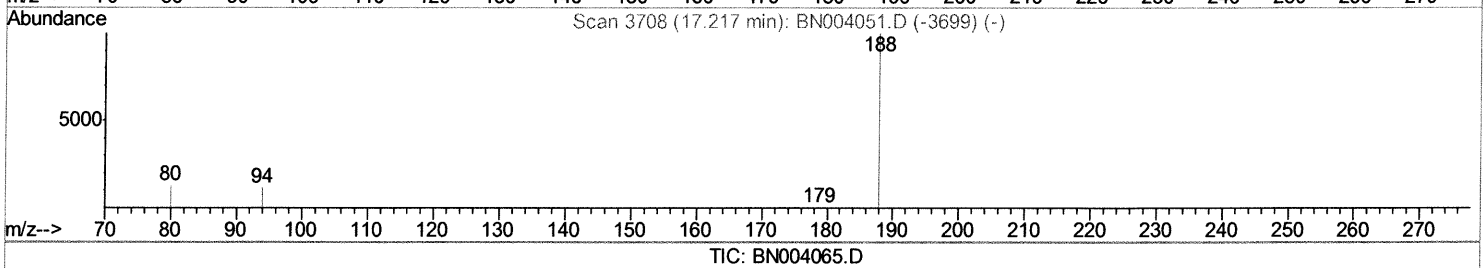
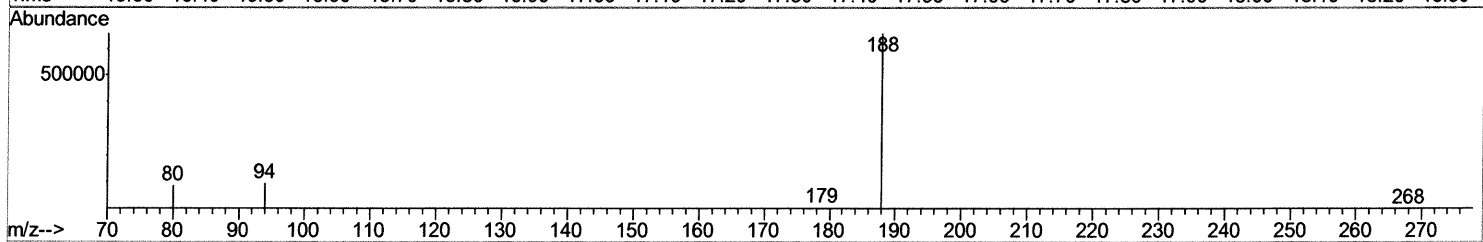
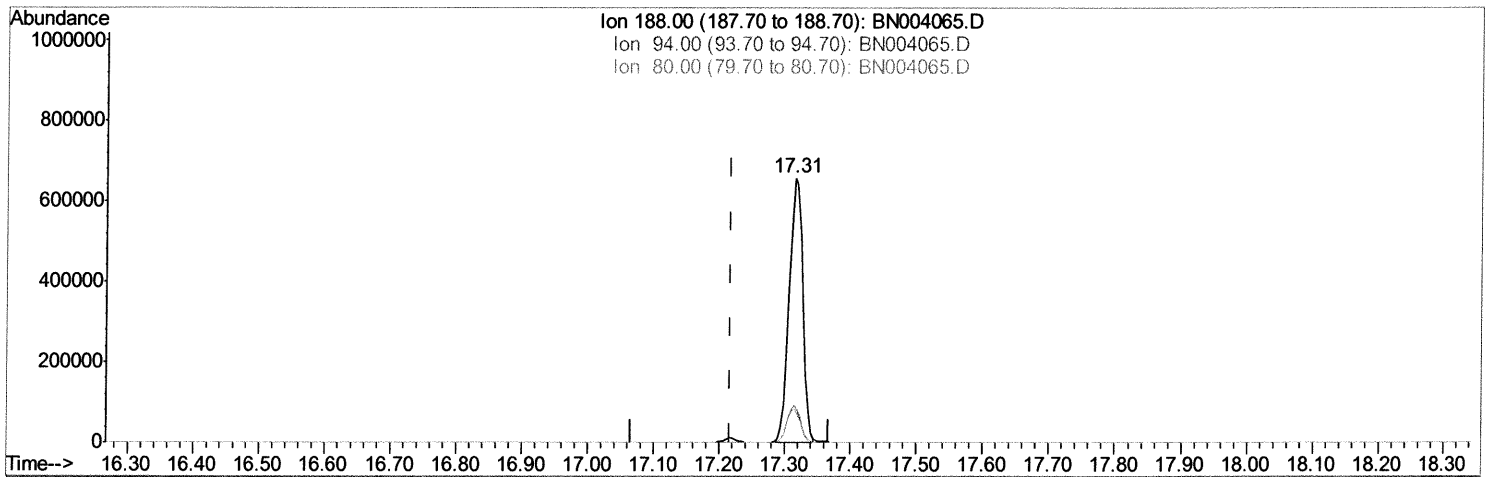
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:10:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(10) Phenanthrene-d10 (I)
 17.314min (+0.097) 0.40ng/ul
 response 935766

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	14.13#
80.00	11.60	12.78
0.00	0.00	0.00

Quantitation Report (Qedit)

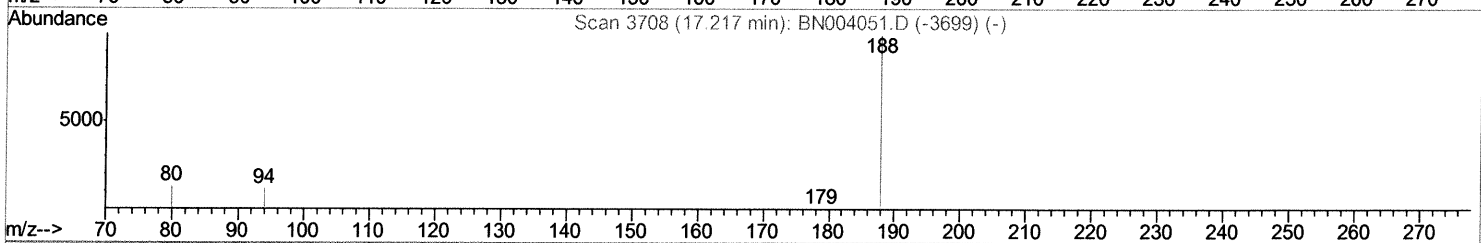
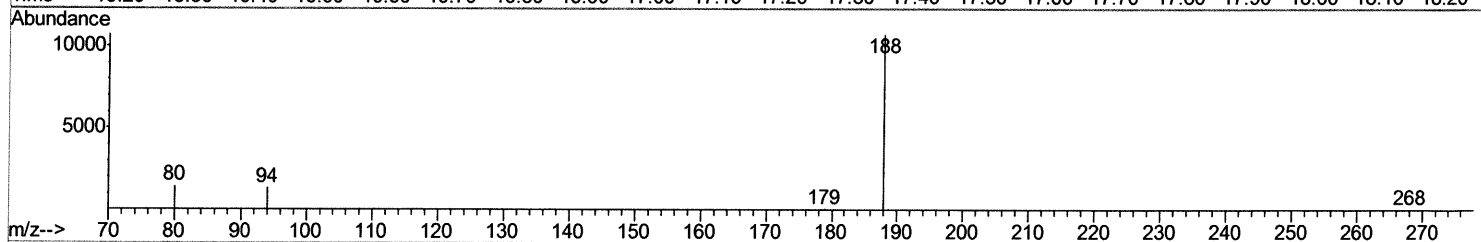
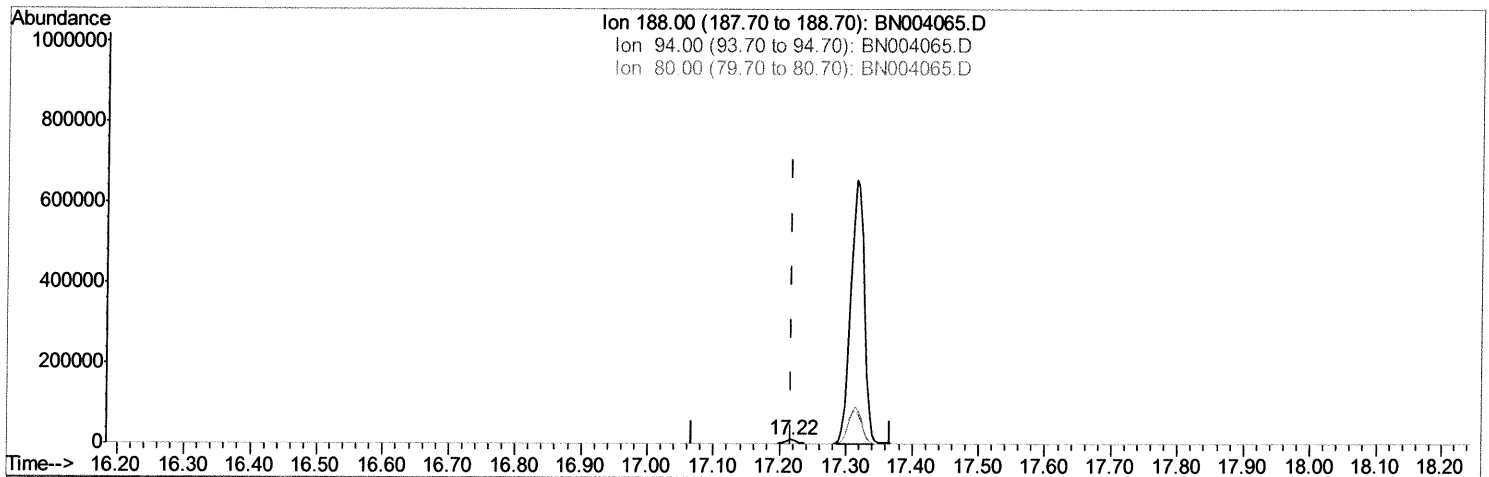
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:10:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(10) Phenanthrene-d10 (I)

17.217min (+0.000) 0.40ng/ul m

response 14948

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	12.43
80.00	11.60	13.56
0.00	0.00	0.00

> SJ
 12/18/18

Quantitation Report (Qedit)

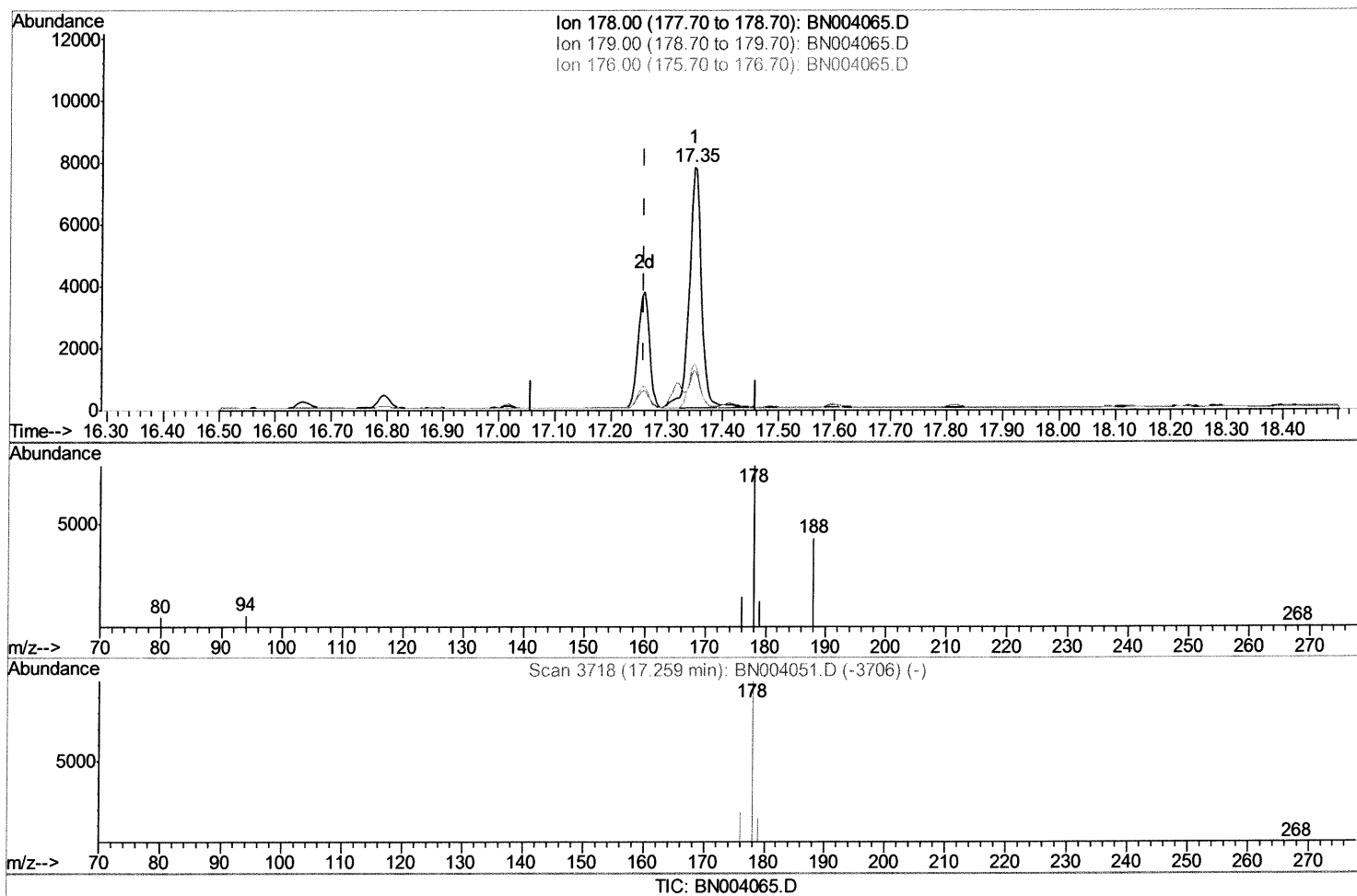
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
Data File : BN004065.D
Acq On : 18 Dec 2018 08:29
Operator : JU/SJ
Sample : J6270-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9E12

Manual Integrations
APPROVED

Sohil
12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 06:35:27 2018
Response via : Initial Calibration



(12) Phenanthrene

17.348min (+0.089) 0.25ng/ul

response 12136

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	16.17
176.00	18.70	18.96
0.00	0.00	0.00

Quantitation Report (Qedit)

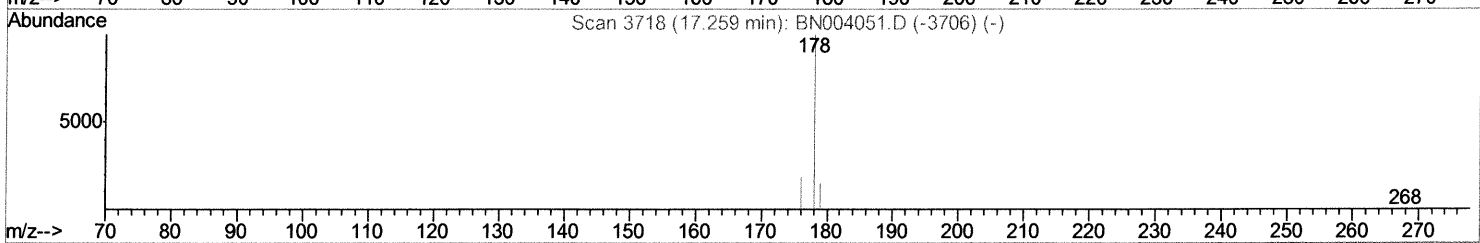
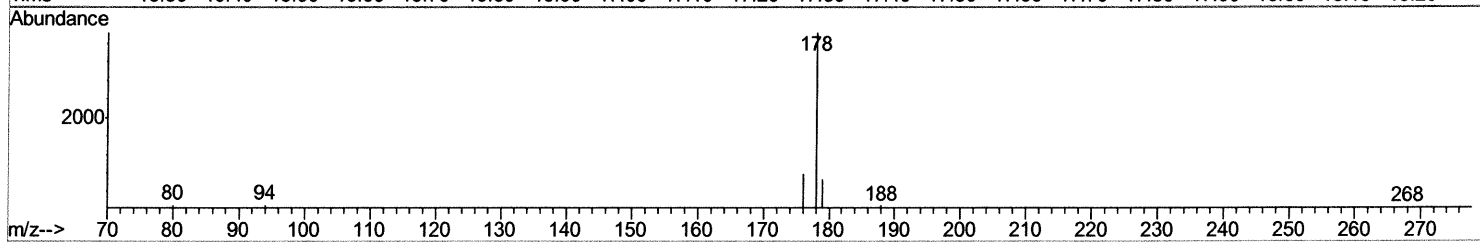
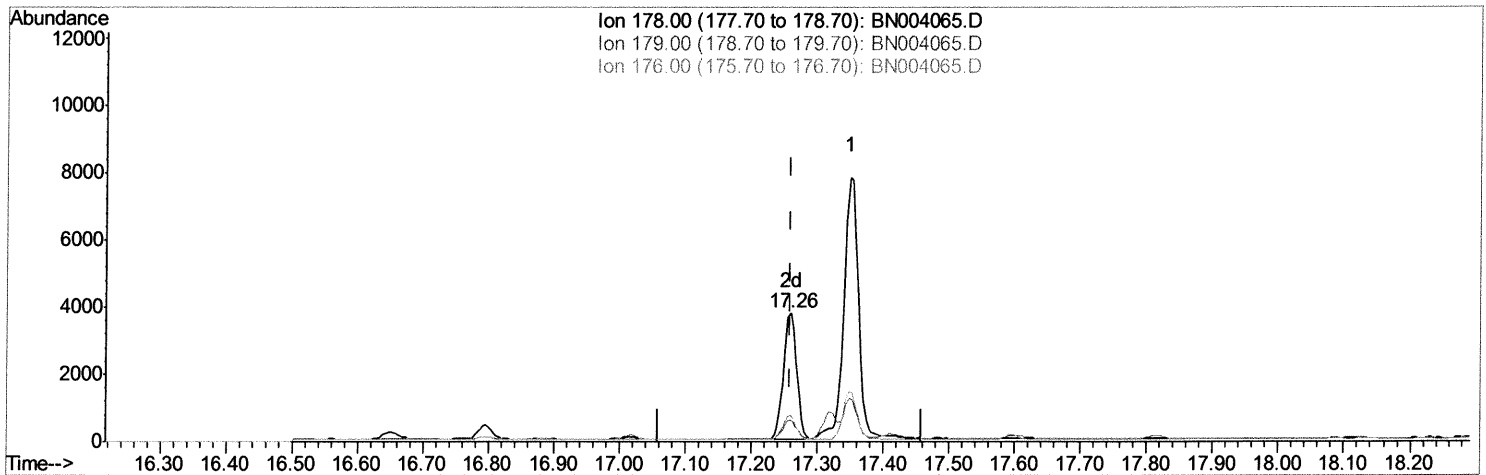
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(12) Phenanthrene

17.259min (+0.000) 0.11ng/ul m

response 5224

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	17.24
176.00	18.70	20.30
0.00	0.00	0.00

> SJ
 12/18/18

Quantitation Report (Qedit)

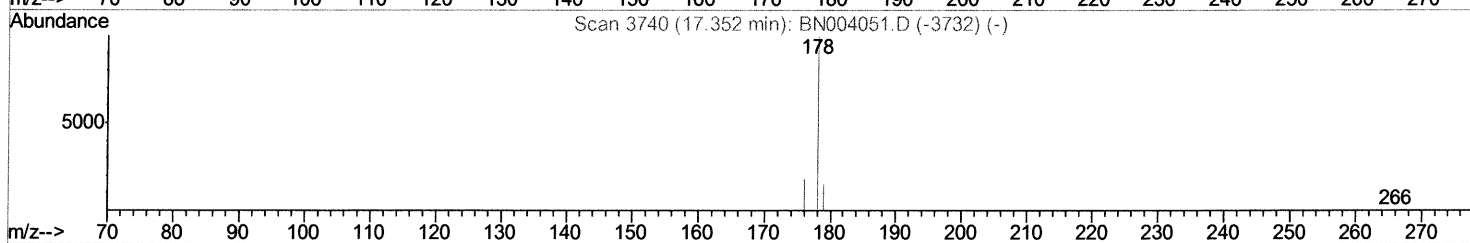
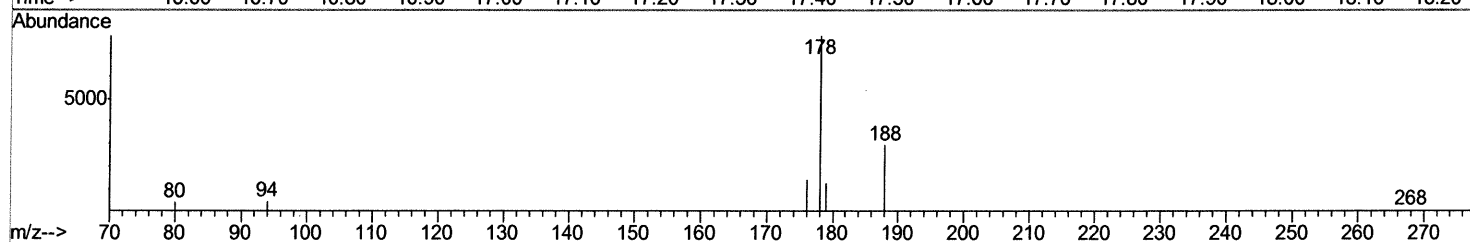
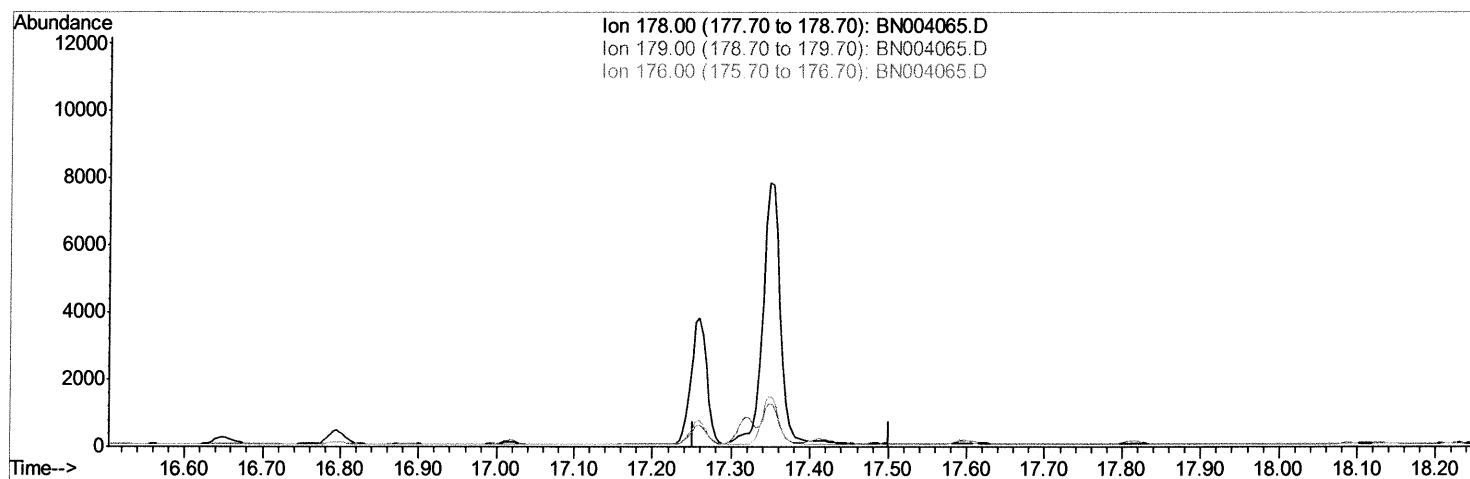
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
Data File : BN004065.D
Acq On : 18 Dec 2018 08:29
Operator : JU/SJ
Sample : J6270-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9E12

Manual Integrations
APPROVED

Sohil
12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 06:35:27 2018
Response via : Initial Calibration



TIC: BN004065.D

(13) Anthracene

17.352min (-17.352) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	15.40	0.00#
176.00	18.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

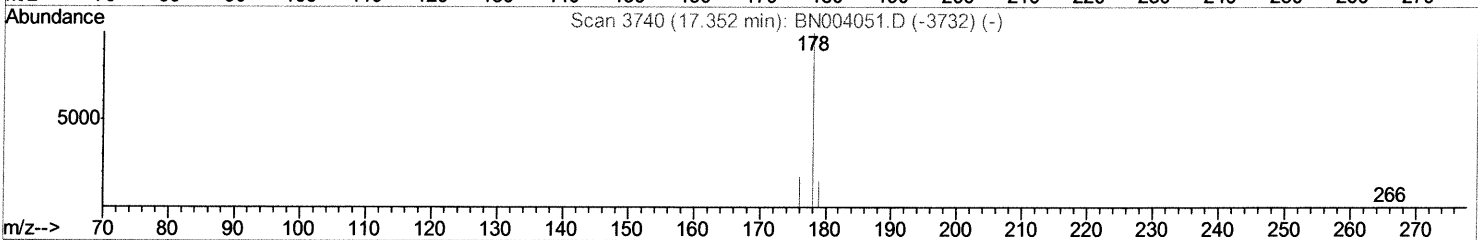
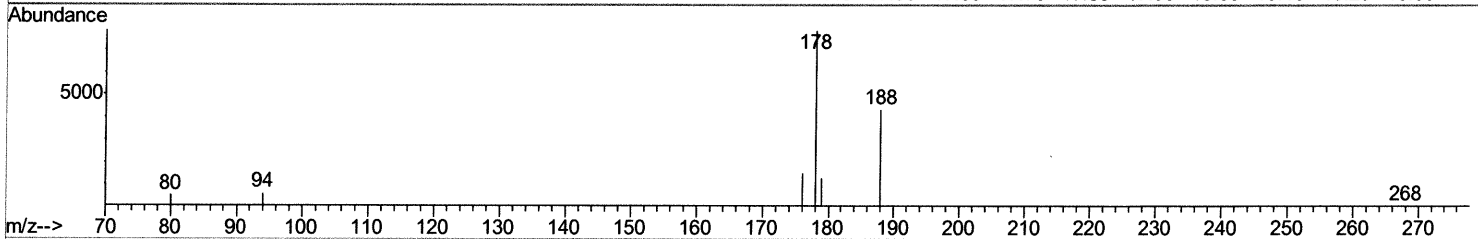
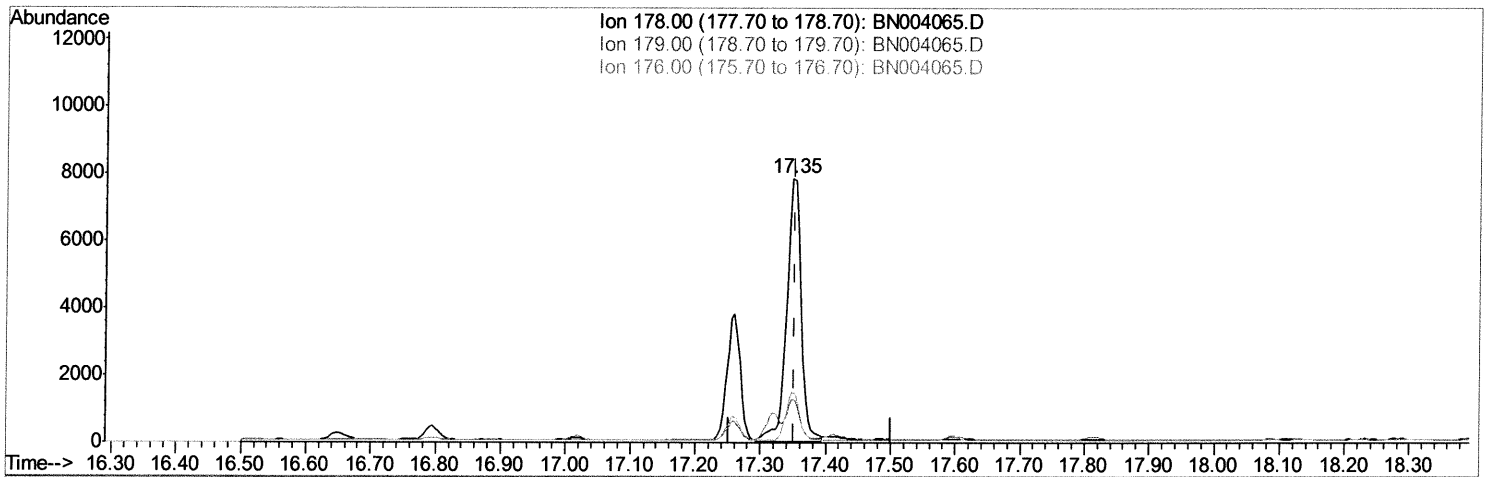
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(13) Anthracene

17.348min (-0.004) 0.30ng/ul m

response 12065

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.17
176.00	18.50	18.96
0.00	0.00	0.00

> SJ
 12/18/18

Quantitation Report (Qedit)

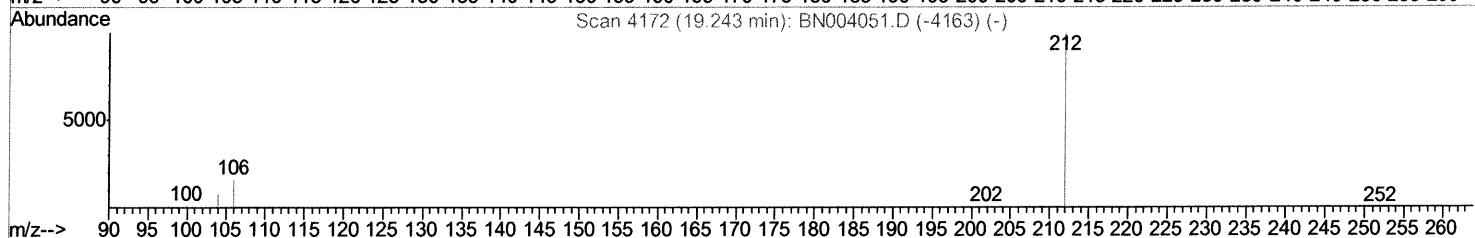
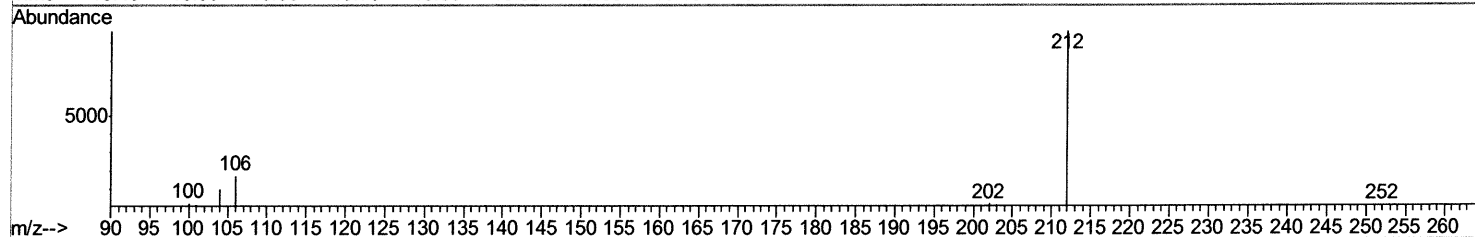
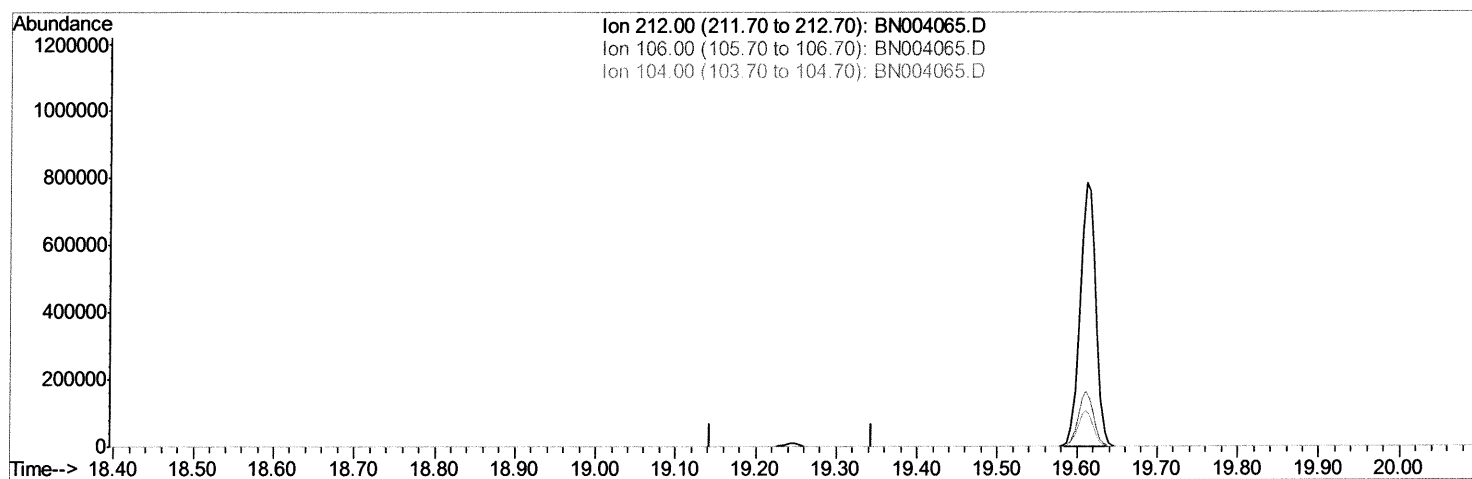
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
Data File : BN004065.D
Acq On : 18 Dec 2018 08:29
Operator : JU/SJ
Sample : J6270-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9E12

Manual Integrations
APPROVED

Sohil
12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 06:35:27 2018
Response via : Initial Calibration



TIC: BN004065.D

(14) Fluoranthene-d10 (SURR)

19.243min (-19.243) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.20	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

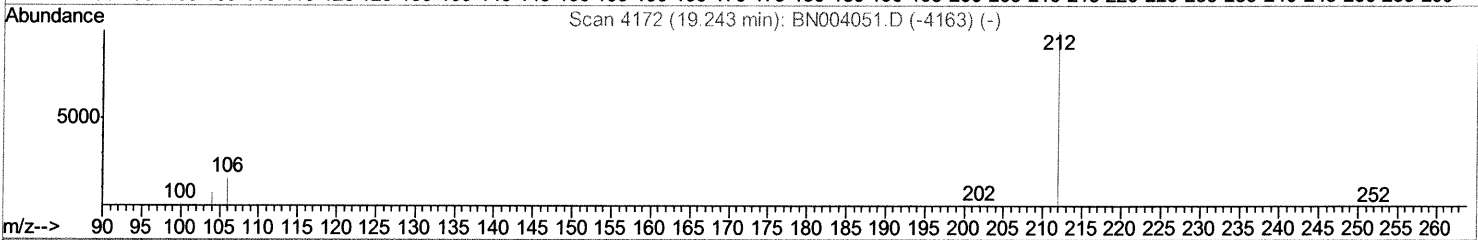
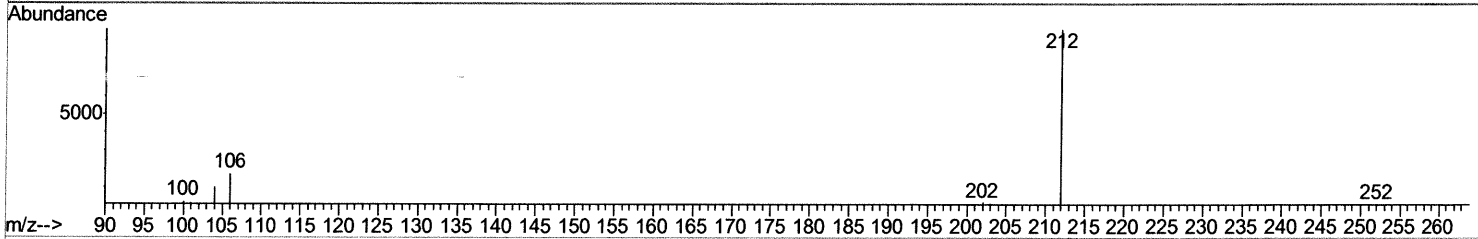
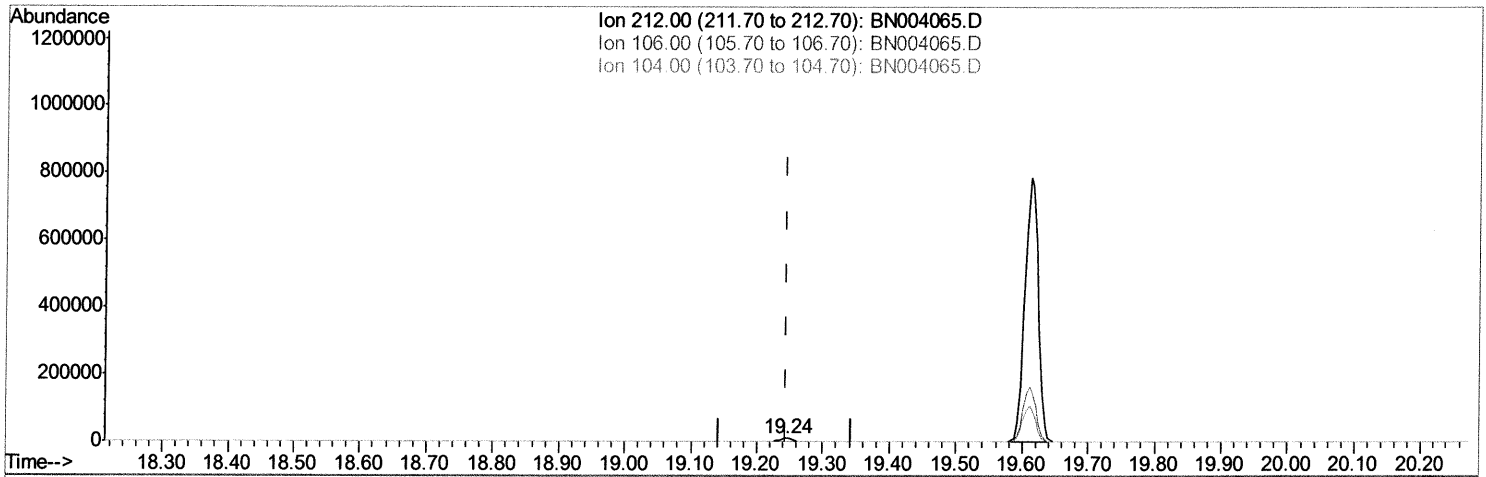
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(14) Fluoranthene-d10 (SURR)

19.244min (+0.000) 0.30ng/ul m

response 13020

Ion	Exp%	Act%
212.00	100	100
106.00	14.20	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

> $\frac{55}{12/18/18}$

Quantitation Report (Qedit)

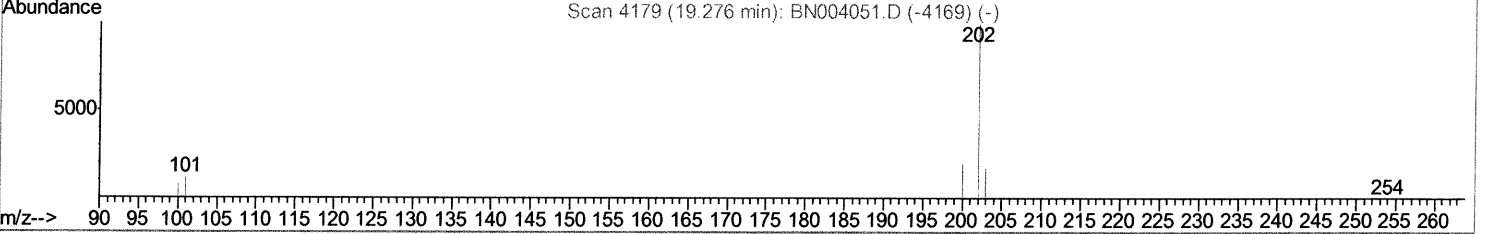
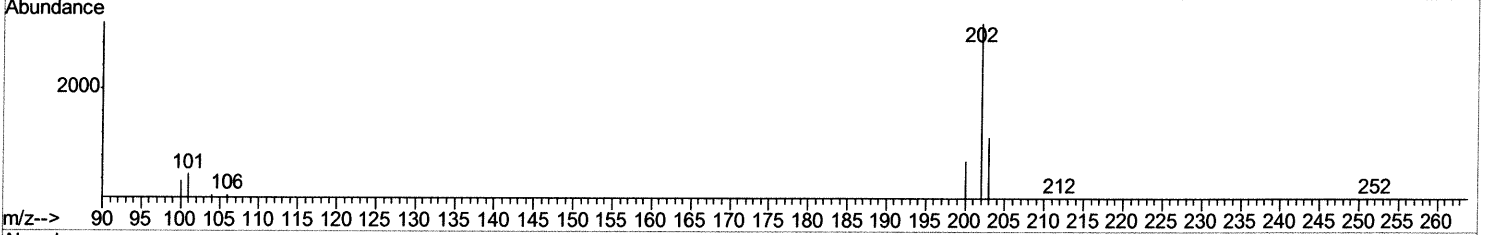
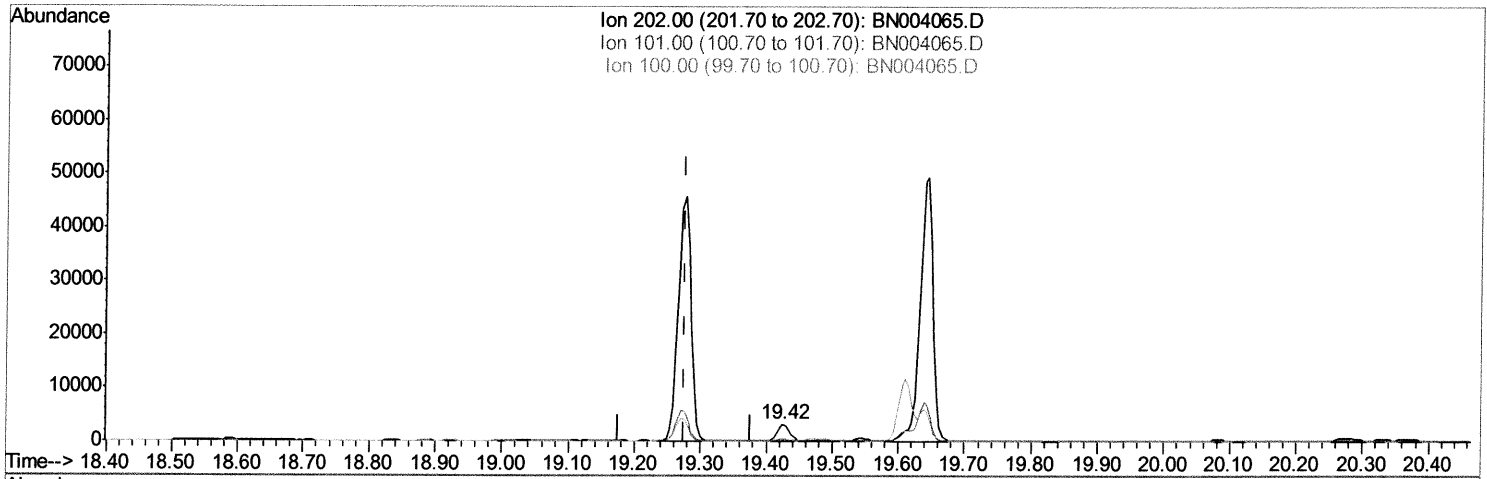
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(15) Fluoranthene (C)

19.425min (+0.149) 0.07ng/ul

response 3989

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	15.37
100.00	8.10	11.59
0.00	0.00	0.00

Quantitation Report (Qedit)

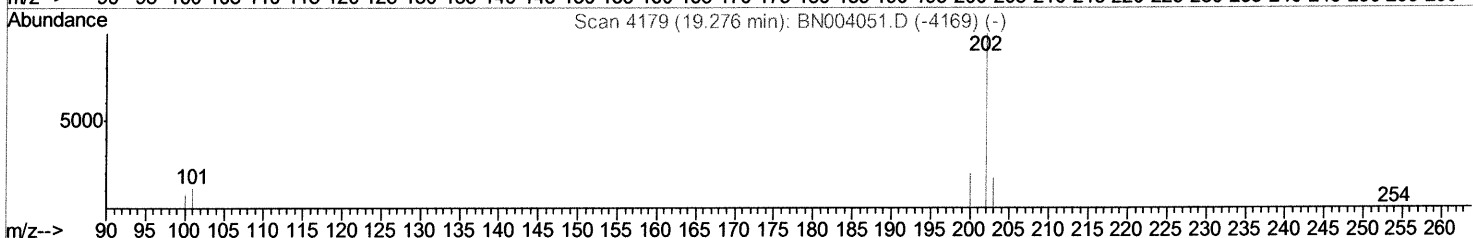
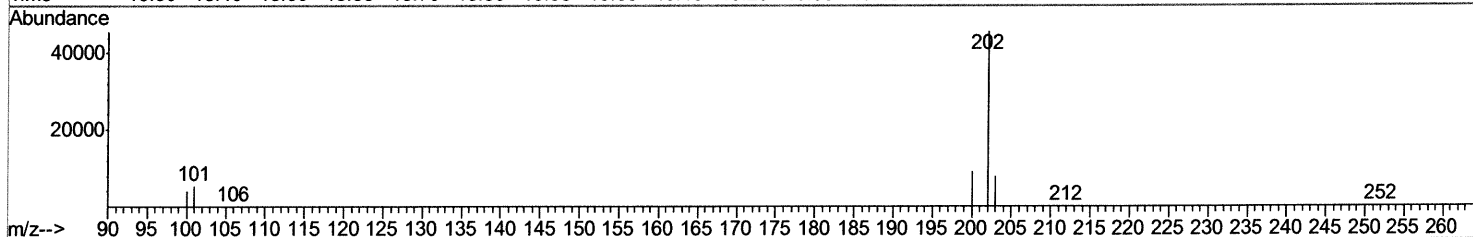
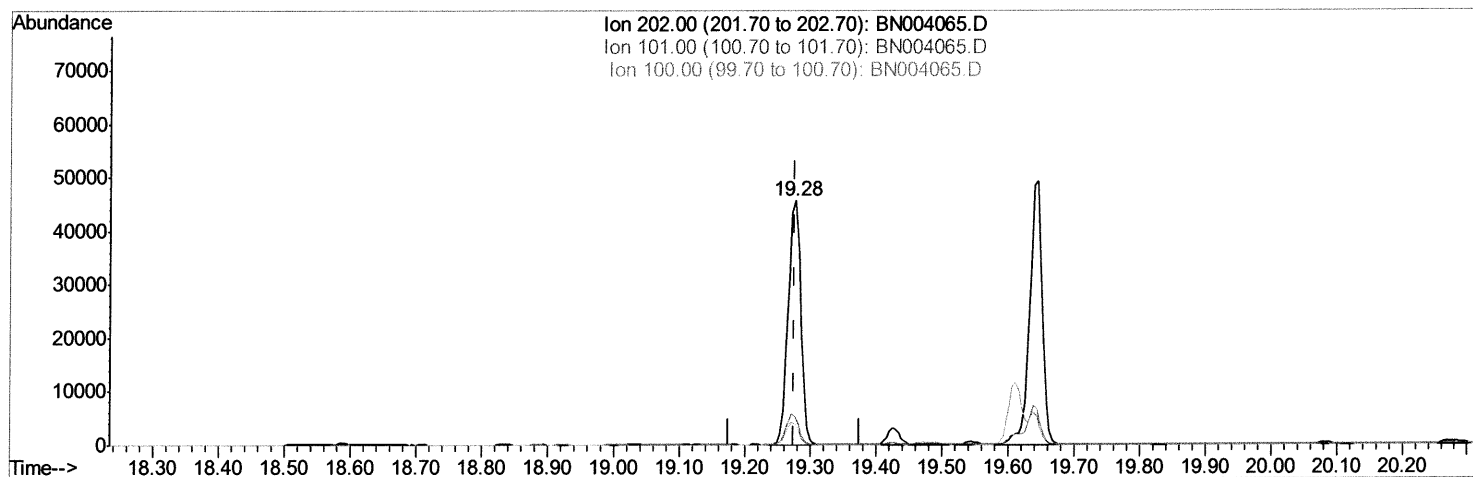
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
Data File : BN004065.D
Acq On : 18 Dec 2018 08:29
Operator : JU/SJ
Sample : J6270-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
F9E12

Manual Integrations
APPROVED

Sohil
12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 06:35:27 2018
Response via : Initial Calibration



TIC: BN004065.D

(15) Fluoranthene (C)

19.276min (+0.000) 1.04ng/ul m

response 60383

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	12.01
100.00	8.10	8.83
0.00	0.00	0.00

> SJ
12/18/18

Quantitation Report (Qedit)

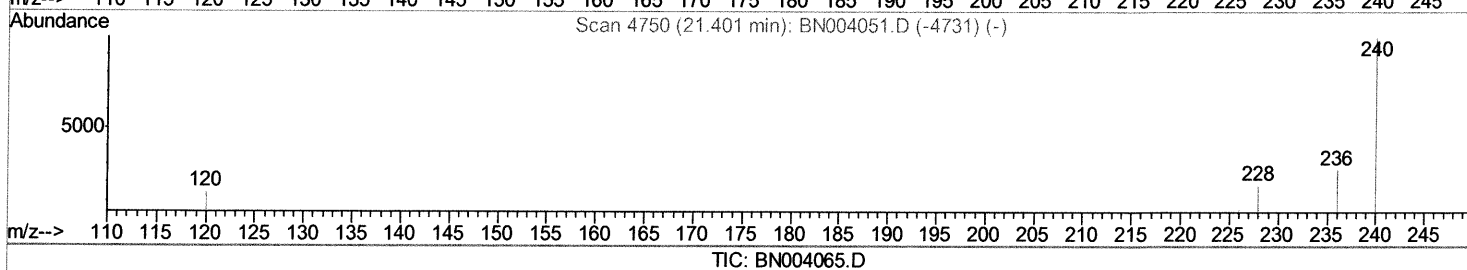
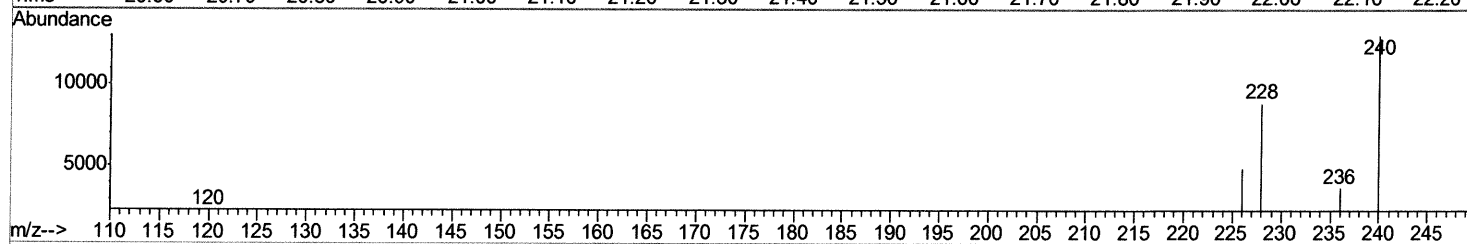
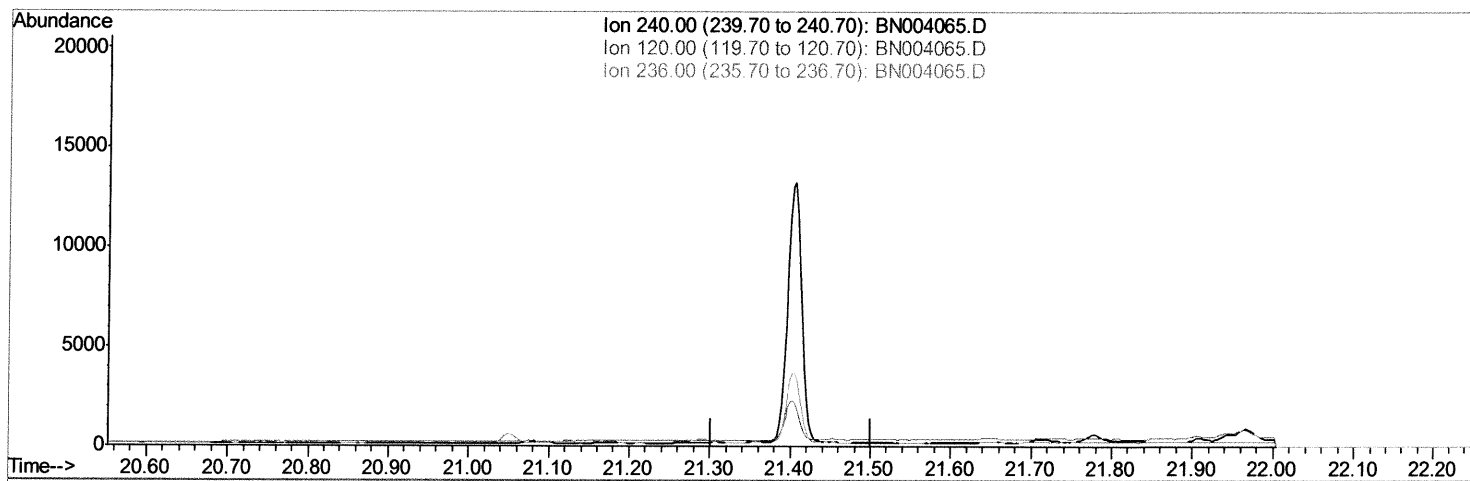
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
Data File : BN004065.D
Acq On : 18 Dec 2018 08:29
Operator : JU/SJ
Sample : J6270-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9E12

Manual Integrations
APPROVED

Sohil
12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 06:35:27 2018
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.401min (-21.401) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.00	0.00#
236.00	27.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

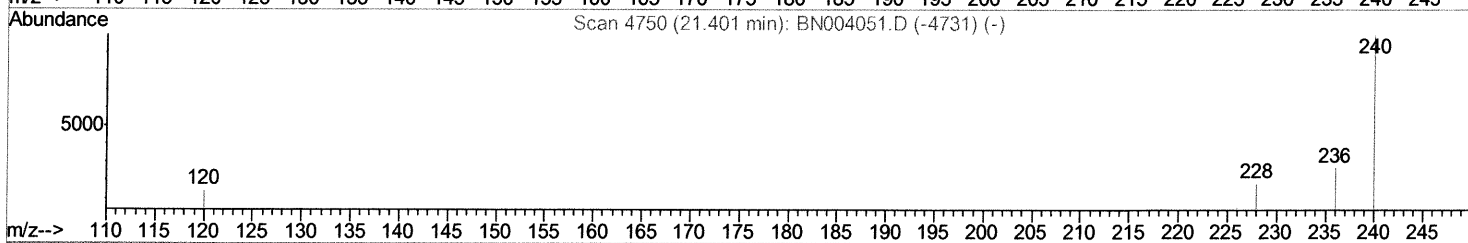
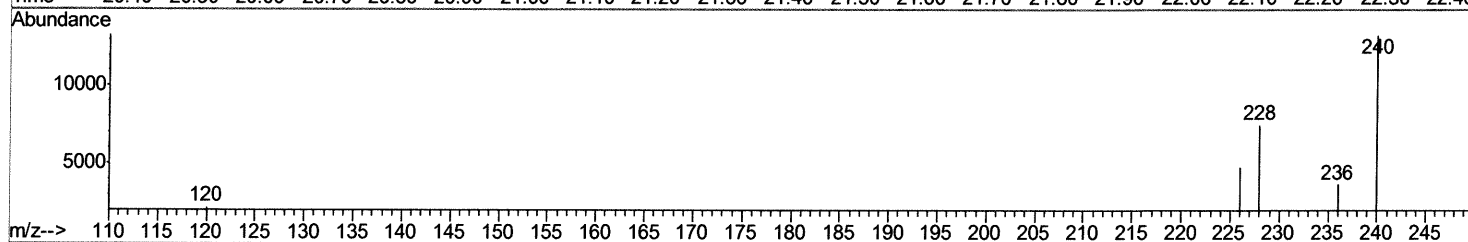
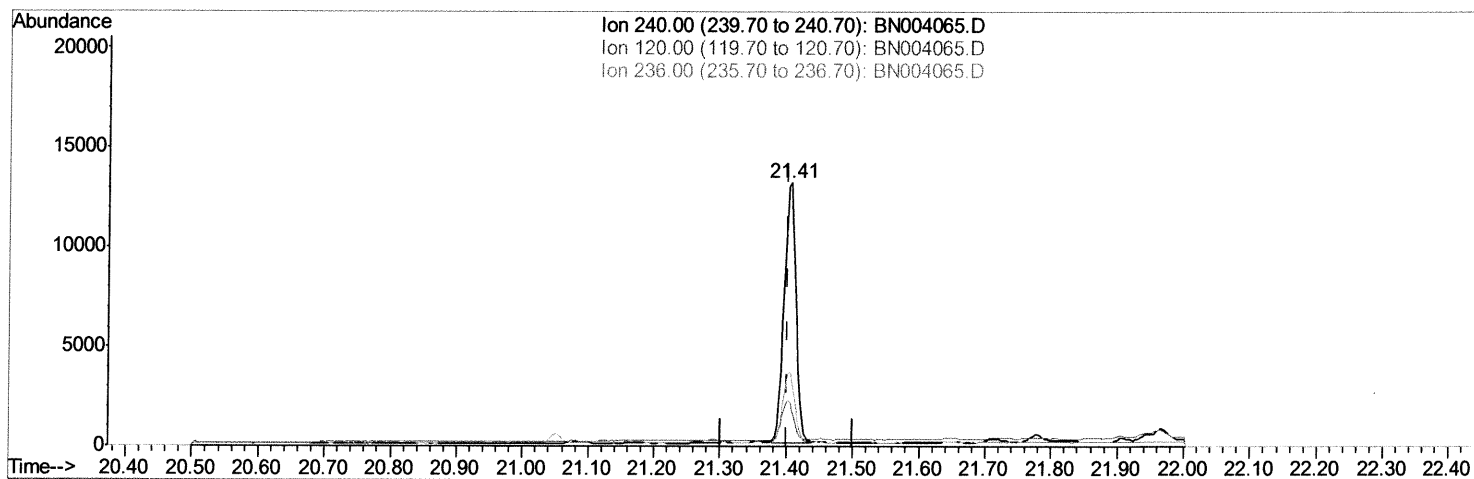
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:14:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(16) Chrysene-d12 (I)

21.406min (+0.004) 0.40ng/ul m

response 16271

Ion	Exp%	Act%
240.00	100	100
120.00	14.00	16.41
236.00	27.60	27.97
0.00	0.00	0.00

> SJ
 12/18/18

Quantitation Report (Qedit)

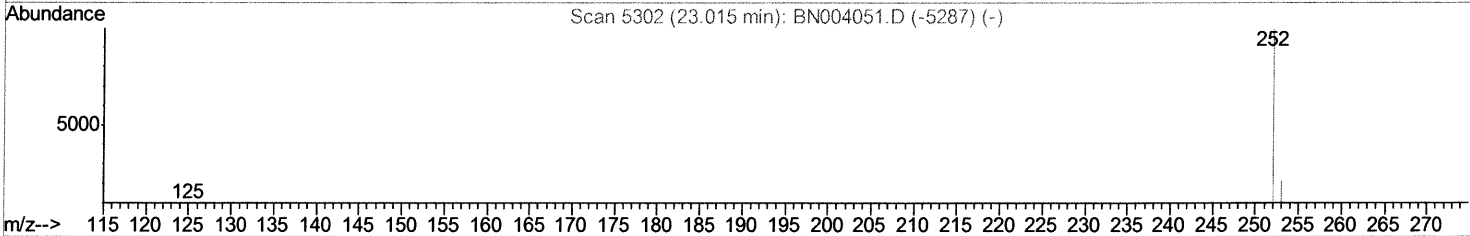
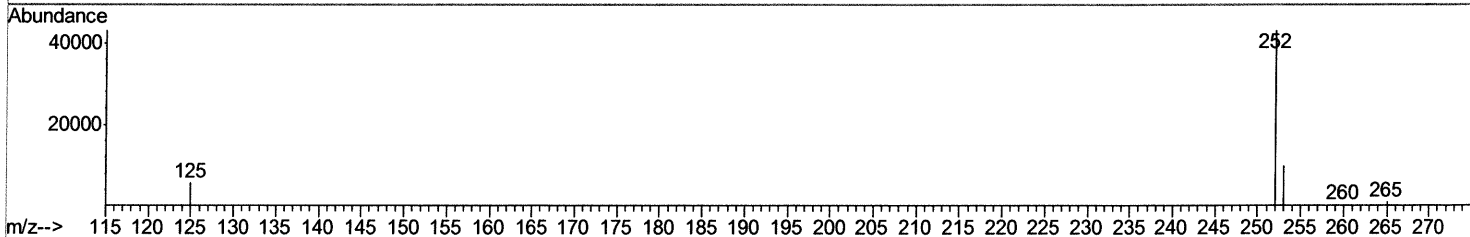
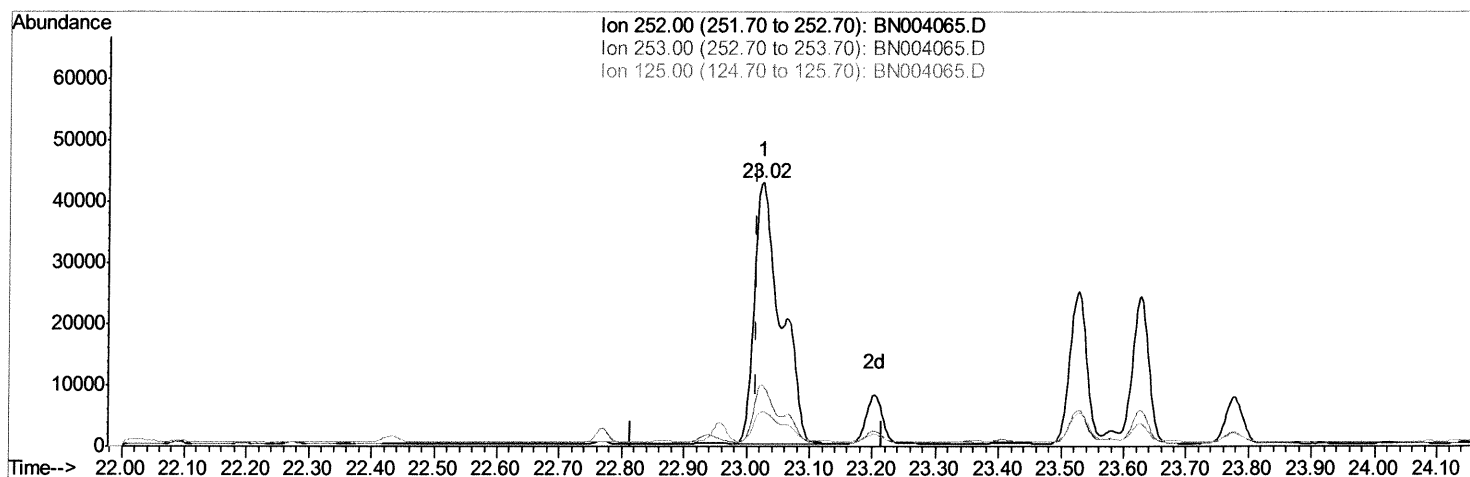
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:17:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 23.025min (+0.010) 1.77ng/ul
 response 124258

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	23.19
125.00	11.20	13.38
0.00	0.00	0.00

Quantitation Report (Qedit)

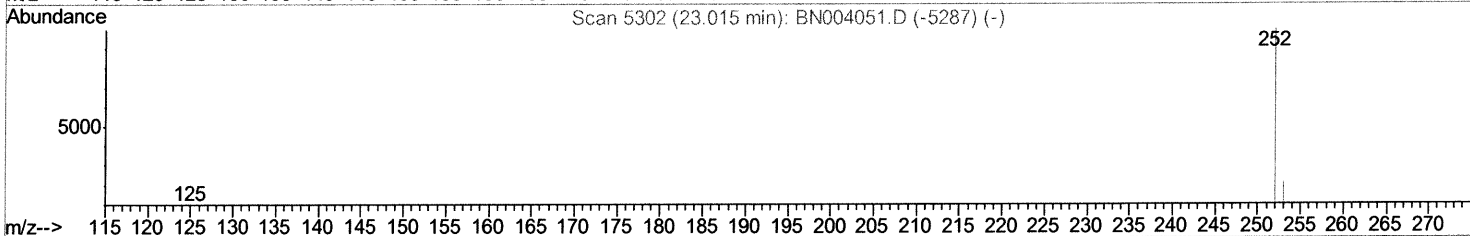
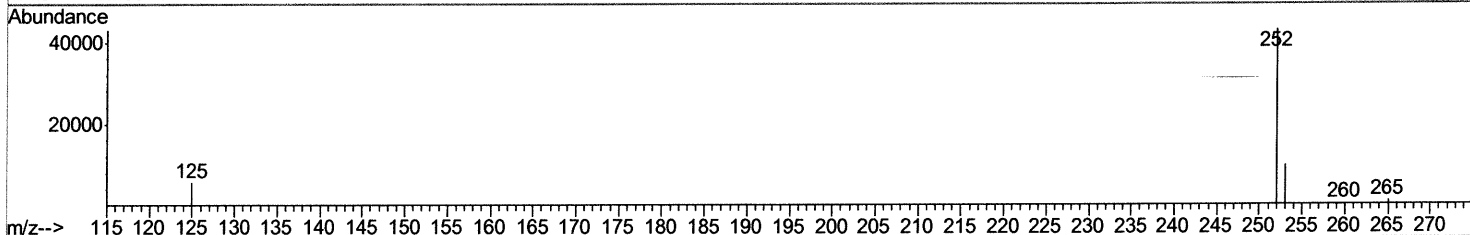
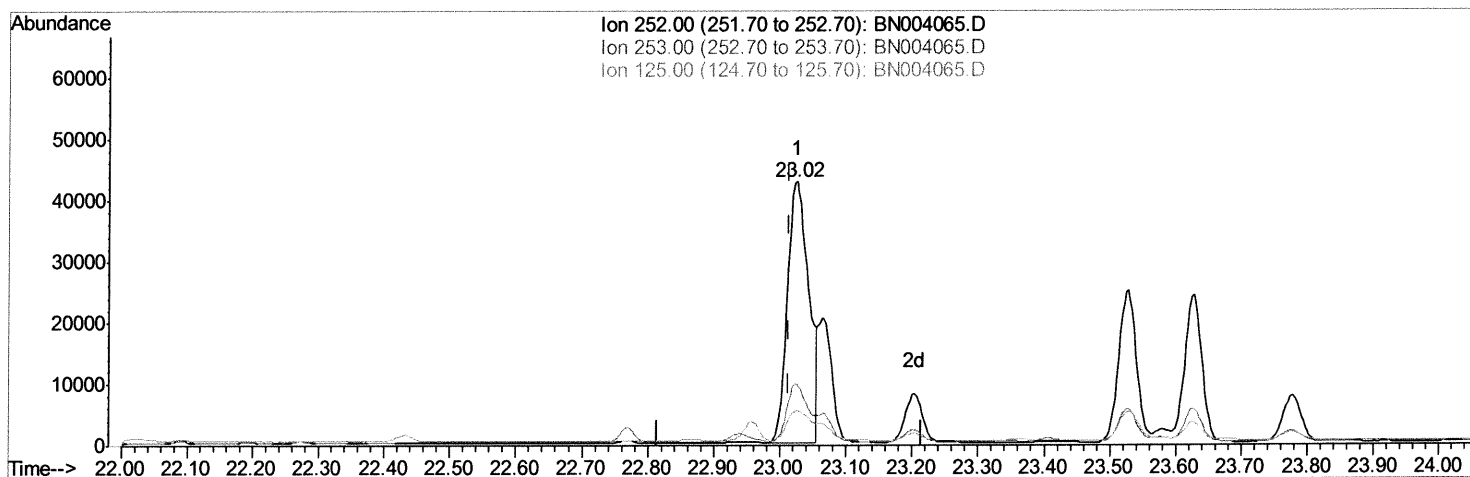
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 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:17:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.025min (+0.010) 1.34ng/ul m

response 93832

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	23.19
125.00	11.20	13.38
0.00	0.00	0.00

> SJ
 12/18/18

Quantitation Report (Qedit)

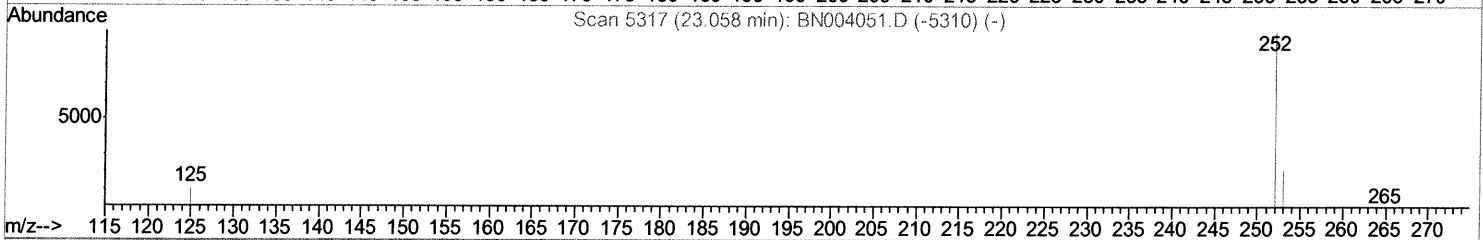
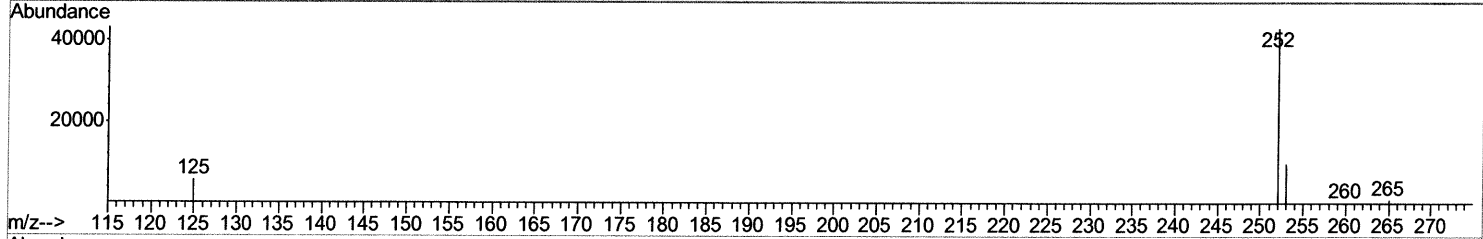
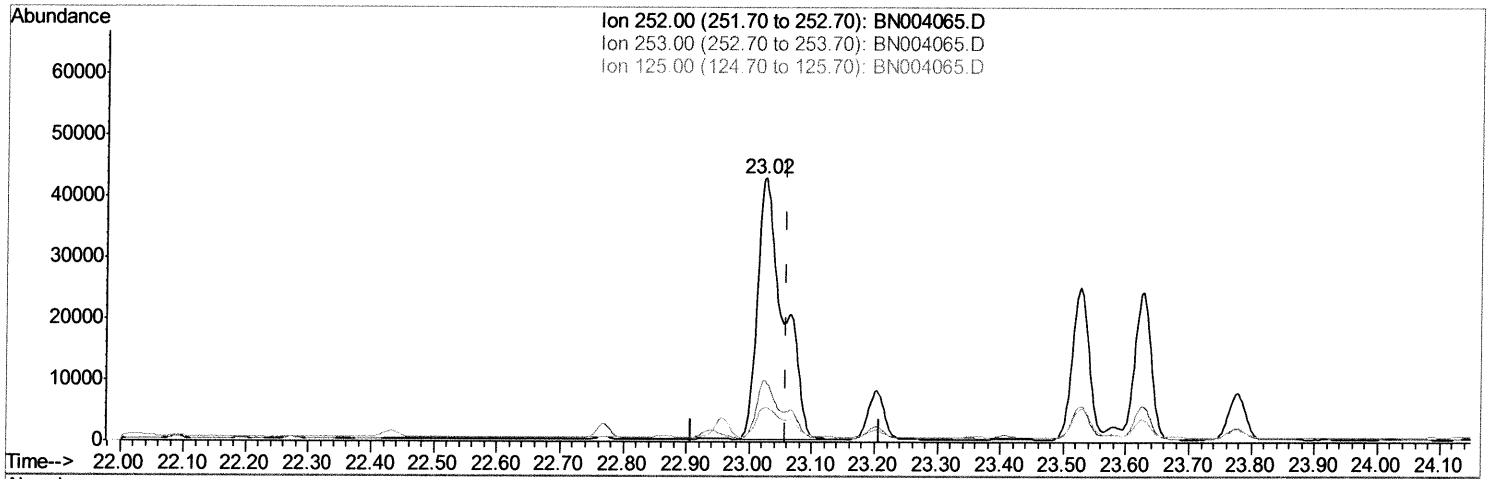
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
Data File : BN004065.D
Acq On : 18 Dec 2018 08:29
Operator : JU/SJ
Sample : J6270-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9E12

Manual Integrations
APPROVED

Sohil
12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:17:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 18 06:35:27 2018
Response via : Initial Calibration



TIC: BN004065.D

(22) Benzo(k)fluoranthene

23.025min (-0.034) 1.82ng/ul

response 124245

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	23.19
125.00	11.30	13.38
0.00	0.00	0.00

Quantitation Report (Qedit)

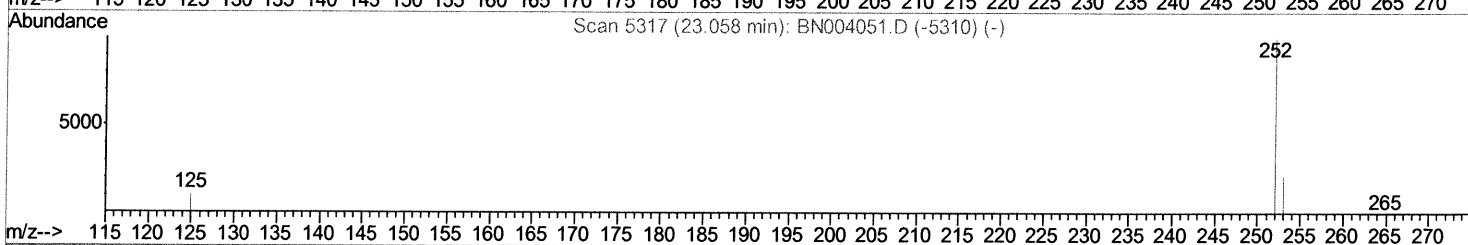
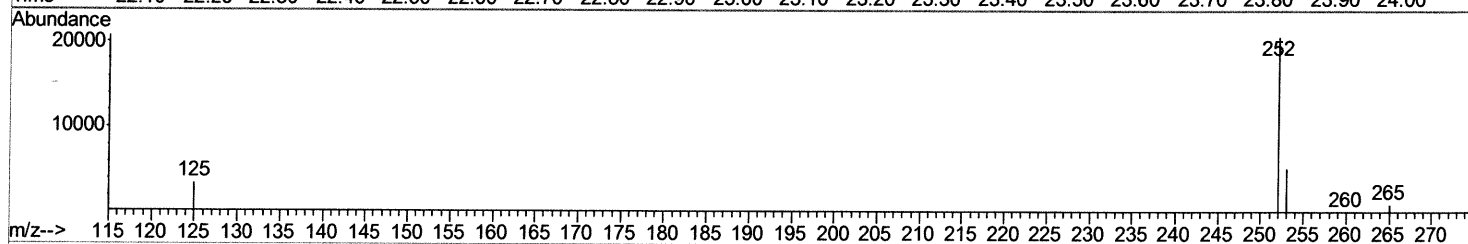
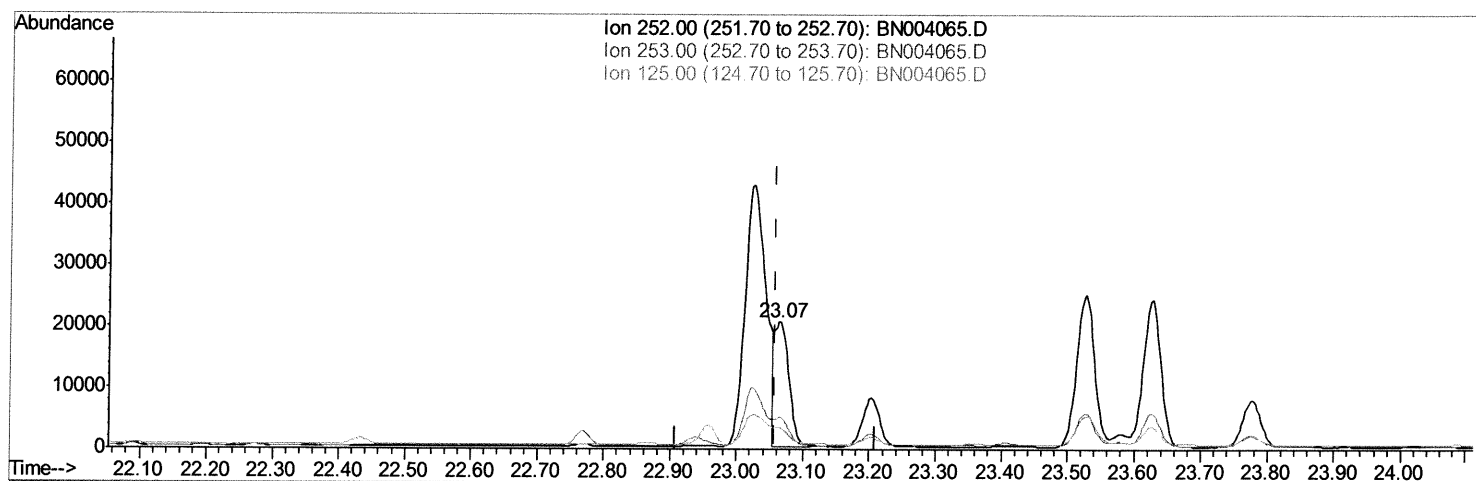
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:17:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration



TIC: BN004065.D

(22) Benzo(k)fluoranthene

23.066min (+0.007) 0.45ng/ul m

response 30500

Ion Exp% Act%

252.00 100 100

253.00 23.10 25.24

125.00 11.30 17.04#

0.00 0.00 0.00

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 12/18/18

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121718\
 Data File : BN004065.D
 Acq On : 18 Dec 2018 08:29
 Operator : JU/SJ
 Sample : J6270-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E12

Manual Integrations
 APPROVED

Sohil
 12/18/2018 5:57:19 PM

Quant Time: Dec 18 11:18:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 18 06:35:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1988	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	9896	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5977	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	14948m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	16271m	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	16957	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Methylnaphthalene-d10	12.22	152	4124	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	13020m	0.30	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Acenaphthylene	14.19	152	13235	0.492	ng/ul	99
12) Phenanthrene	17.26	178	5224m	0.106	ng/ul	
13) Anthracene	17.35	178	12065m	0.299	ng/ul	
15) Fluoranthene	19.28	202	60383m	1.042	ng/ul	
17) Pyrene	19.64	202	65594	1.124	ng/ul	99
18) Benzo(a)anthracene	21.39	228	47838	0.931	ng/ul	97
19) Chrysene	21.44	228	50607	0.860	ng/ul	97
21) Benzo(b)fluoranthene	23.02	252	93832m	1.338	ng/ul	
22) Benzo(k)fluoranthene	23.07	252	30500m	0.446	ng/ul	
23) Benzo(a)pyrene	23.63	252	44016	0.725	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	26.09	276	39433	0.566	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.09	278	10974	0.196	ng/ul#	69
26) Benzo(g,h,i)perylene	26.82	276	36408	0.601	ng/ul	94

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

SJ
 12/18/18