

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:54:17 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

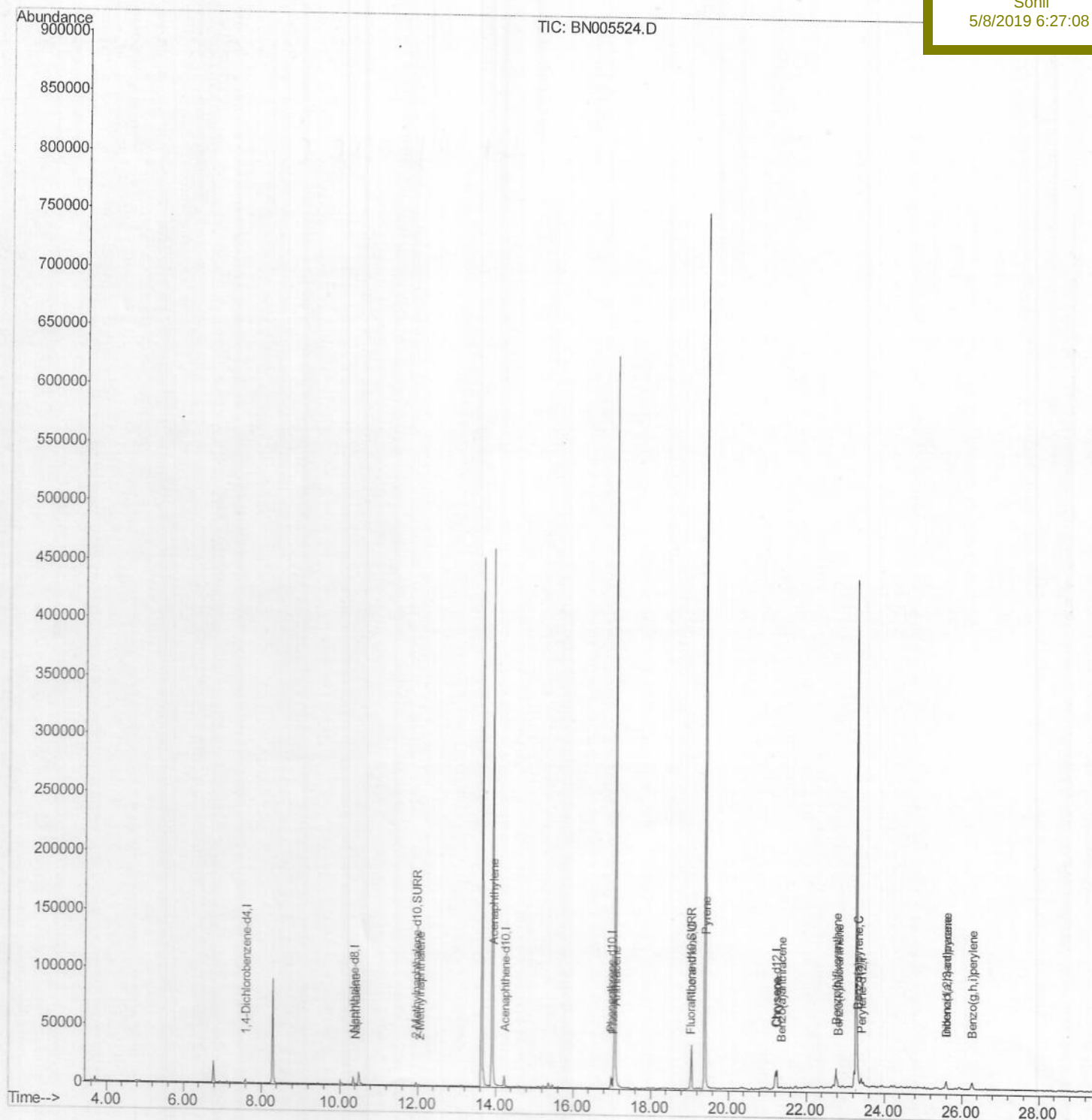
Client Sampled :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:46:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

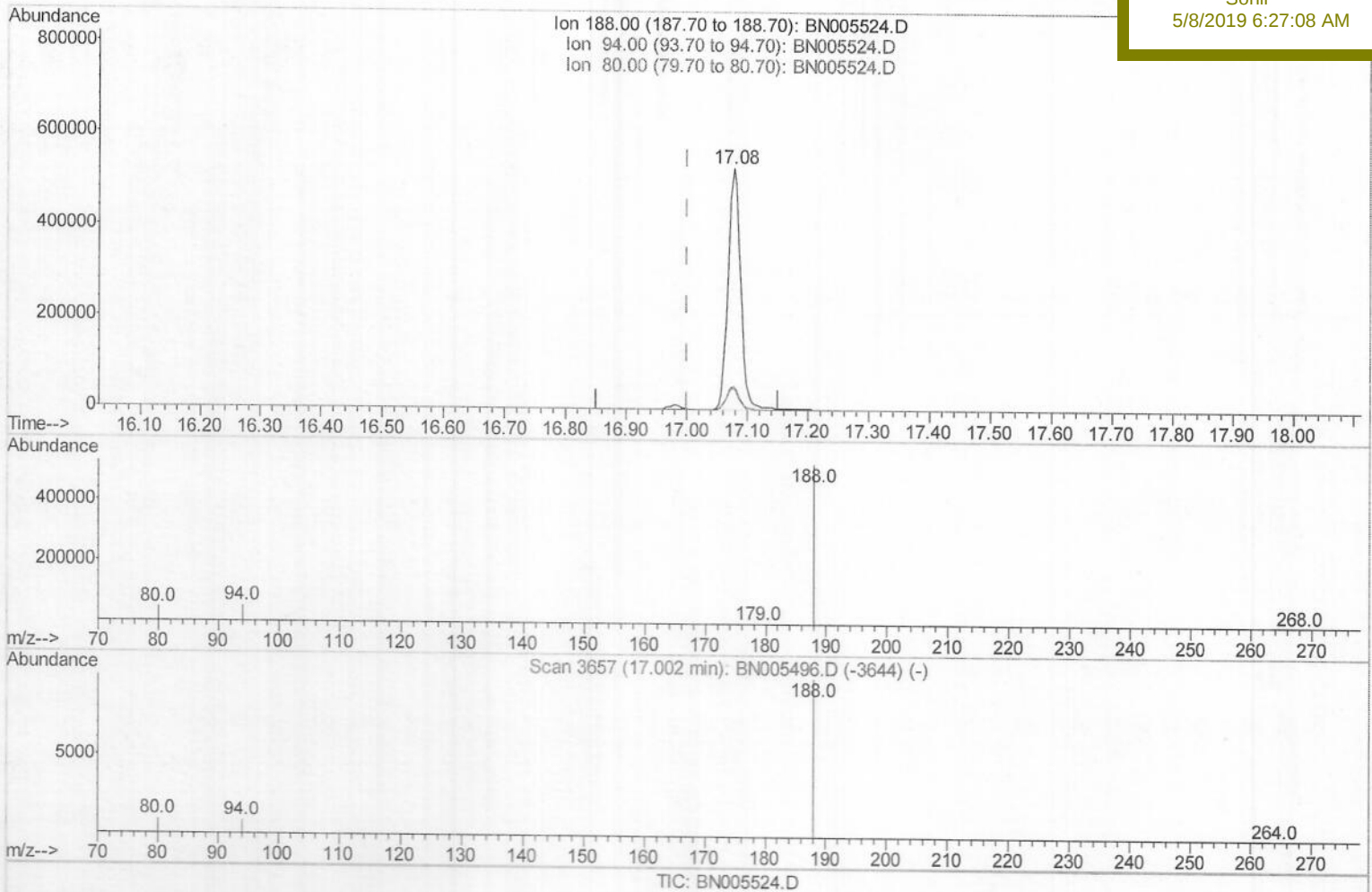
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(10) Phenanthrene-d10 (I)

17.078min (+0.076) 0.40ng/ul

response 753448

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	9.73
80.00	9.80	8.82
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:46:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

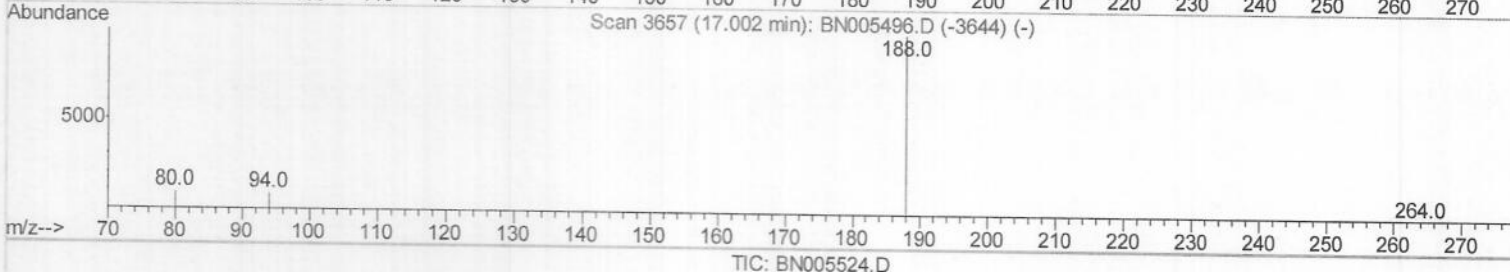
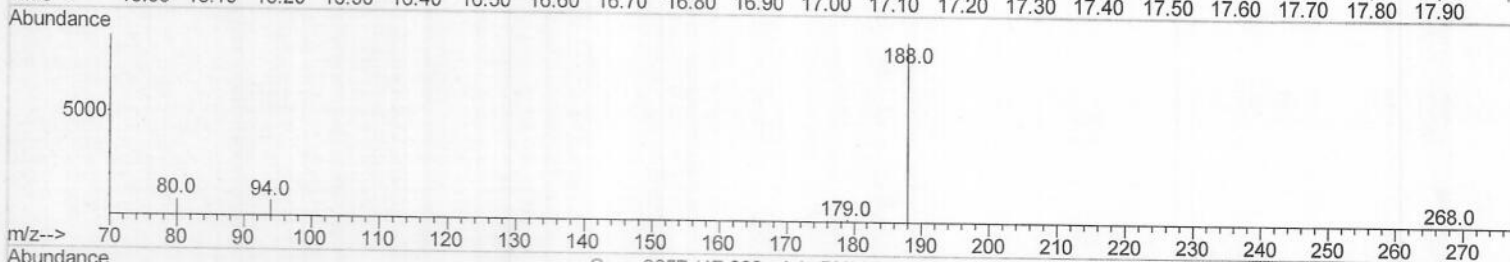
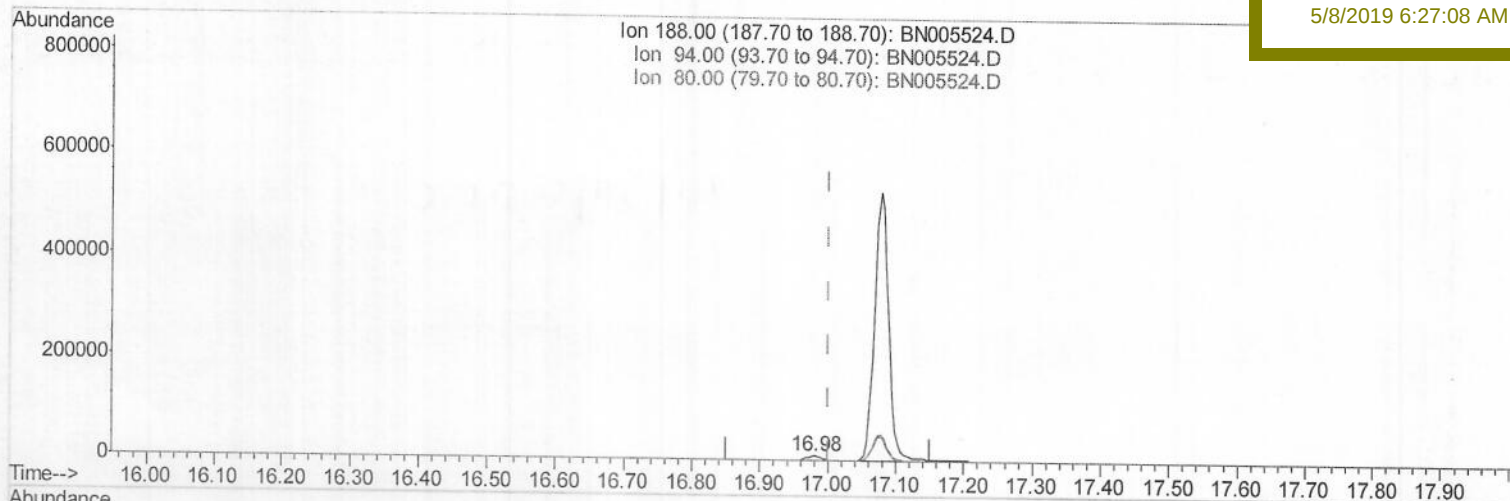
Client Sampled :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(10) Phenanthrene-d10 (I)

16.981min (-0.021) 0.40ng/ul m

response 12329

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	9.26
80.00	9.80	9.79
0.00	0.00	0.00

JU
5/8/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

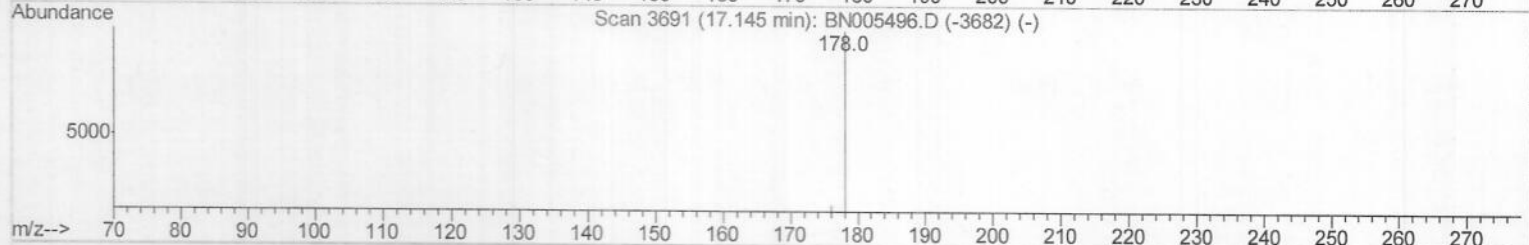
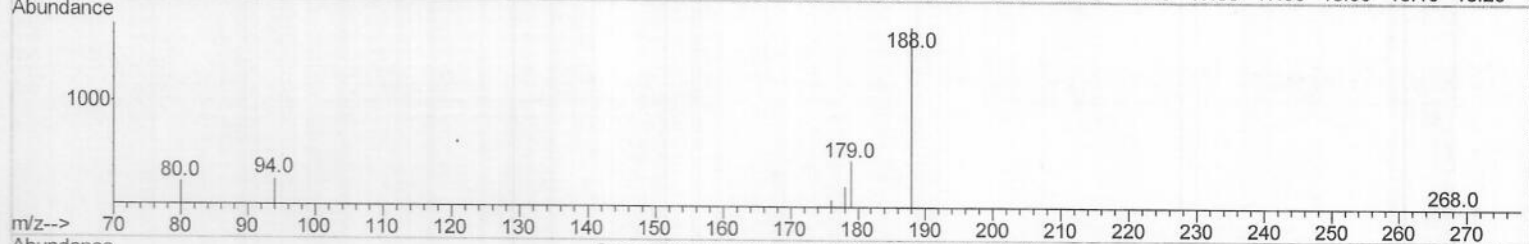
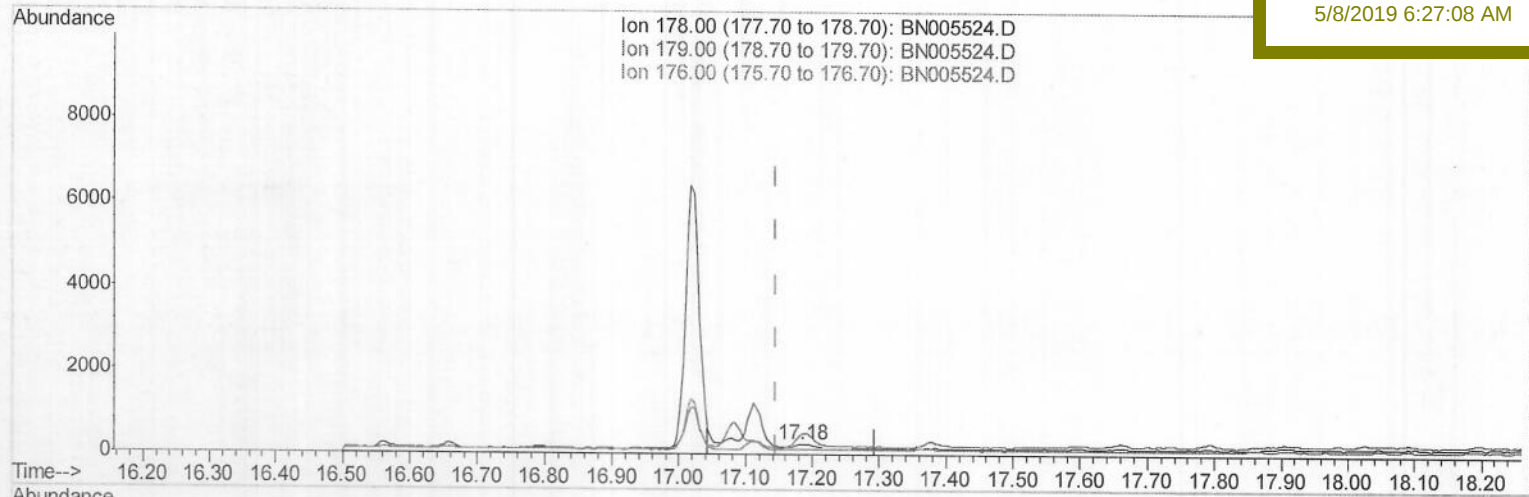
A5130

Manual Integrations

APPROVED

Sohil

5/8/2019 6:27:08 AM



TIC: BN005524.D

(13) Anthracene

17.183min (+0.038) 0.01ng/ul

response 253

Ion	Exp%	Act%
178.00	100	100
179.00	16.80	195.08#
176.00	18.90	46.72#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

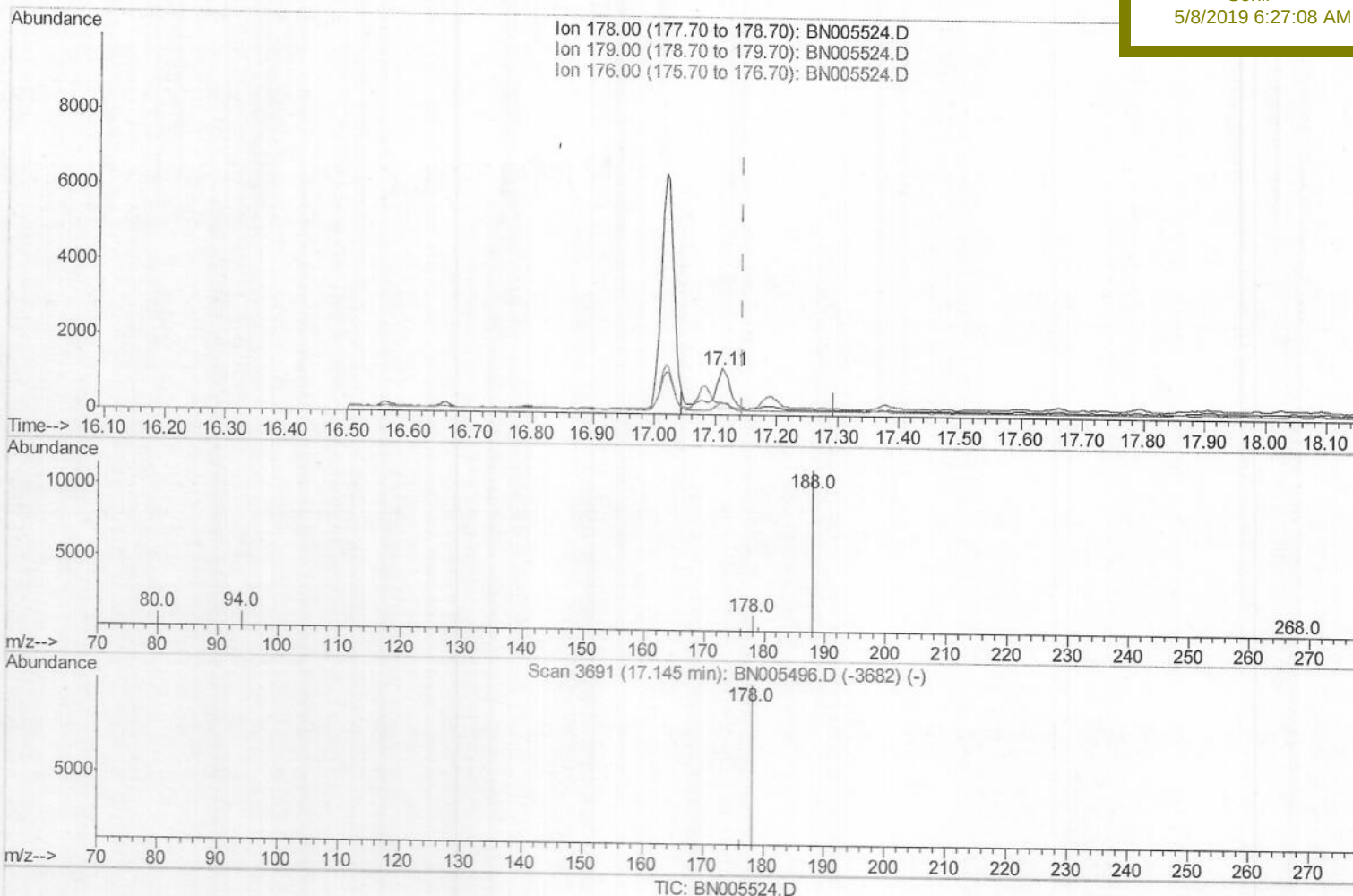
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(13) Anthracene

17.111min (-0.034) 0.05ng/ul m

response 1554

Ion	Exp%	Act%
178.00	100	100
179.00	16.80	27.18#
176.00	18.90	24.71#
0.00	0.00	0.00

JU
5/8/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

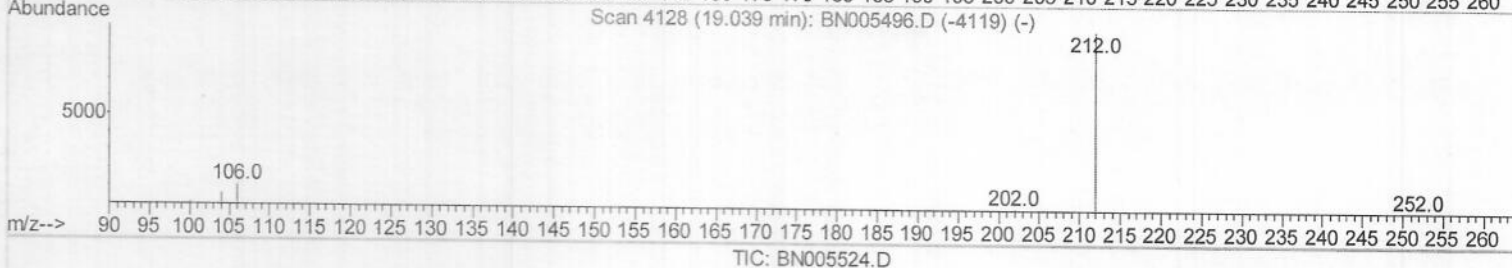
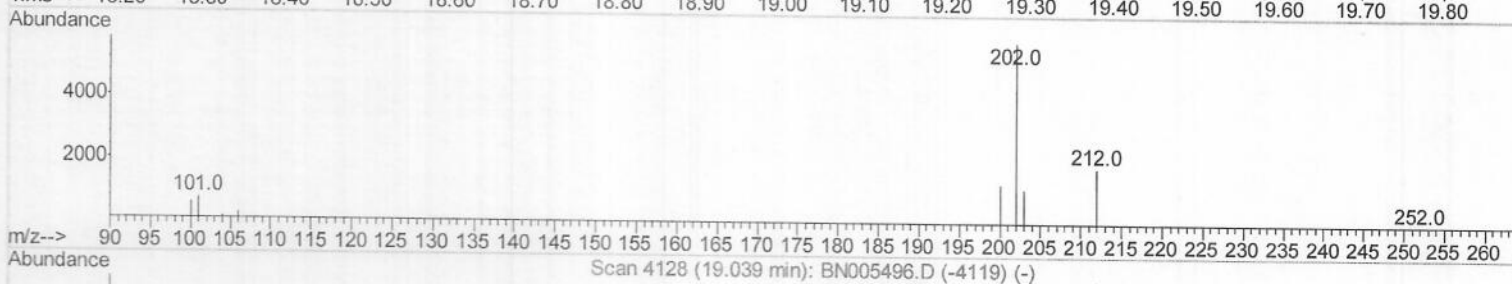
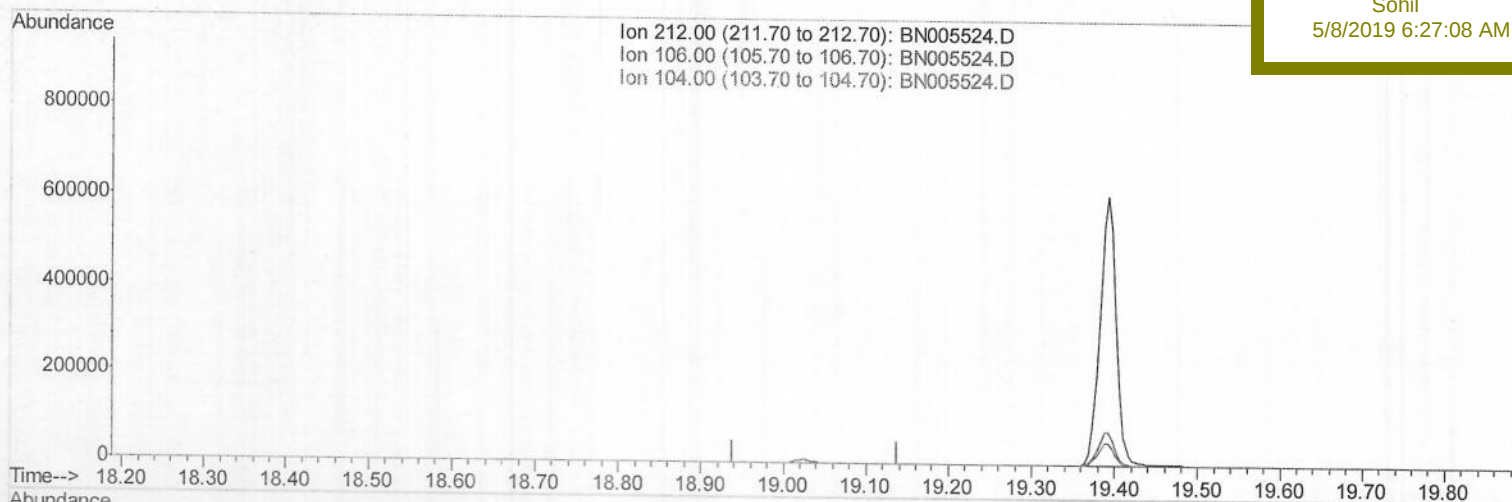
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(14) Fluoranthene-d10 (SURR)

19.039min (-19.039) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	10.80	0.00#
104.00	6.20	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

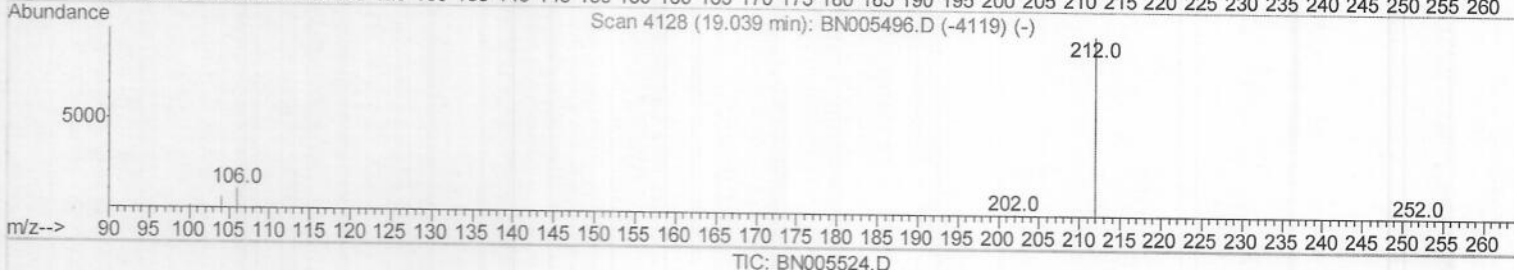
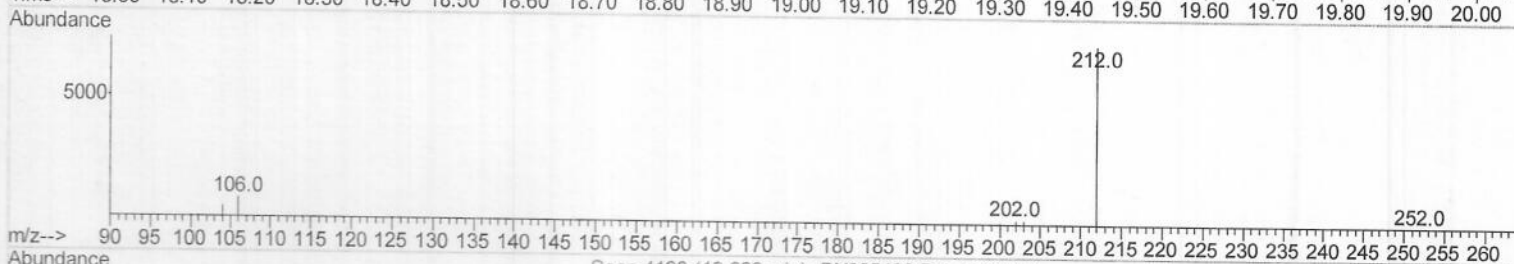
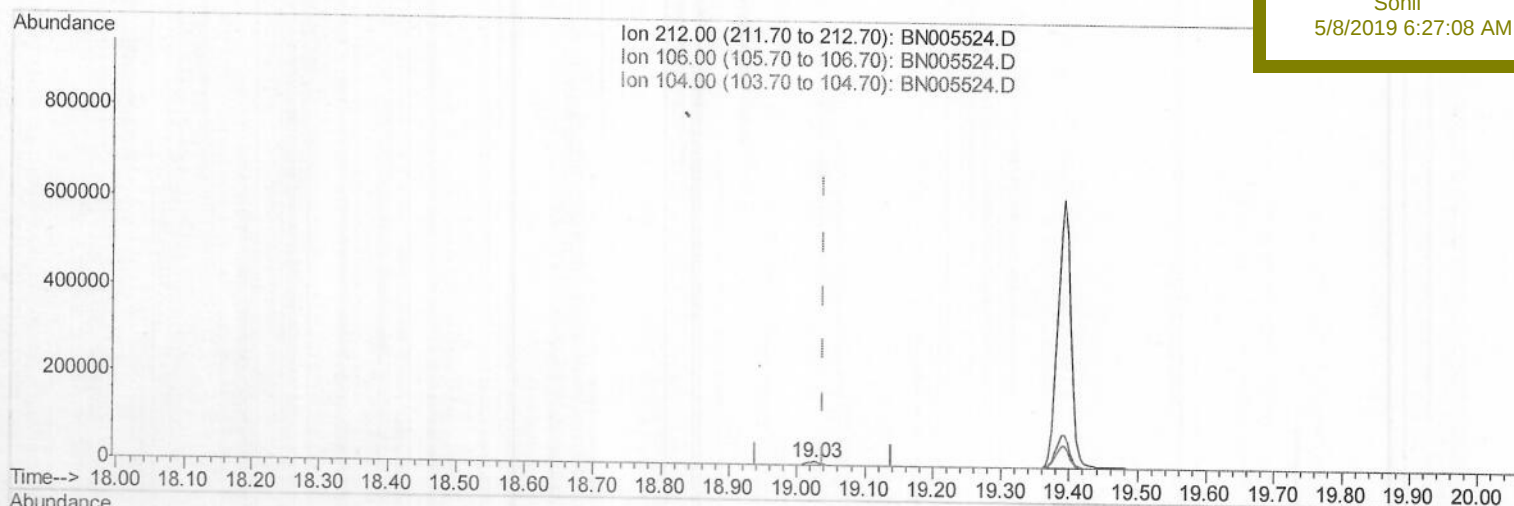
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(14) Fluoranthene-d10 (SURR)

19.025min (-0.014) 0.27ng/ul m

response 10555

Ion	Exp%	Act%
212.00	100	100
106.00	10.80	0.00#
104.00	6.20	0.00#
0.00	0.00	0.00

JU
5/8/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

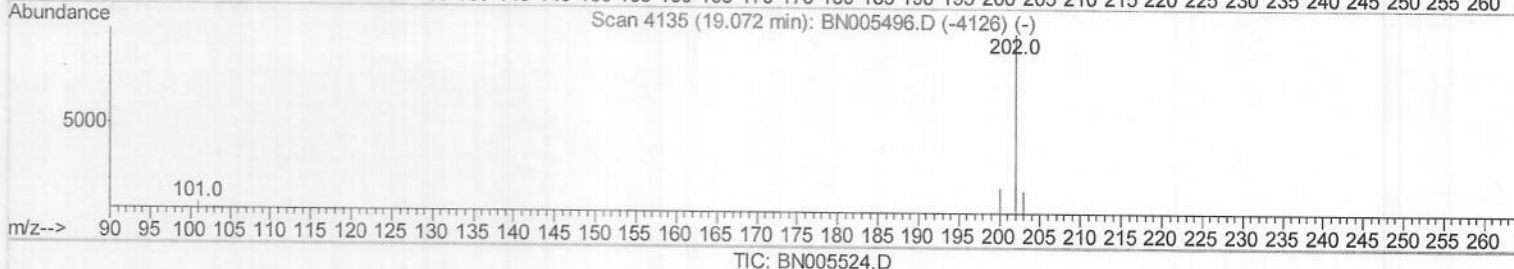
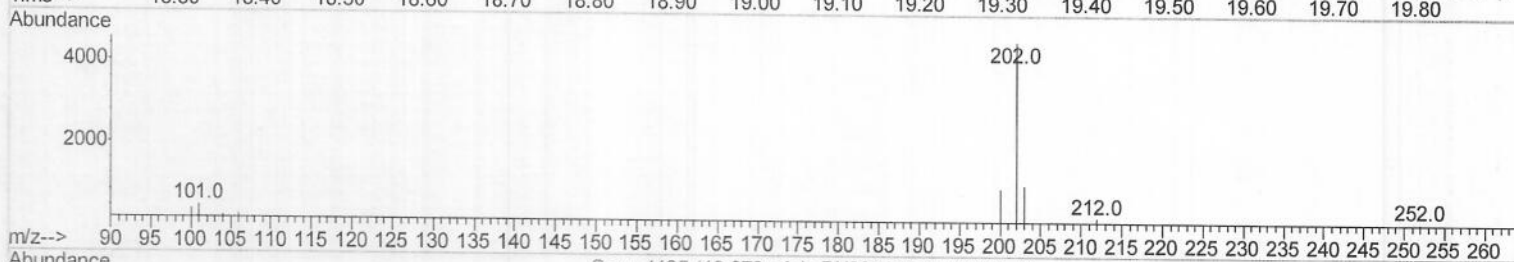
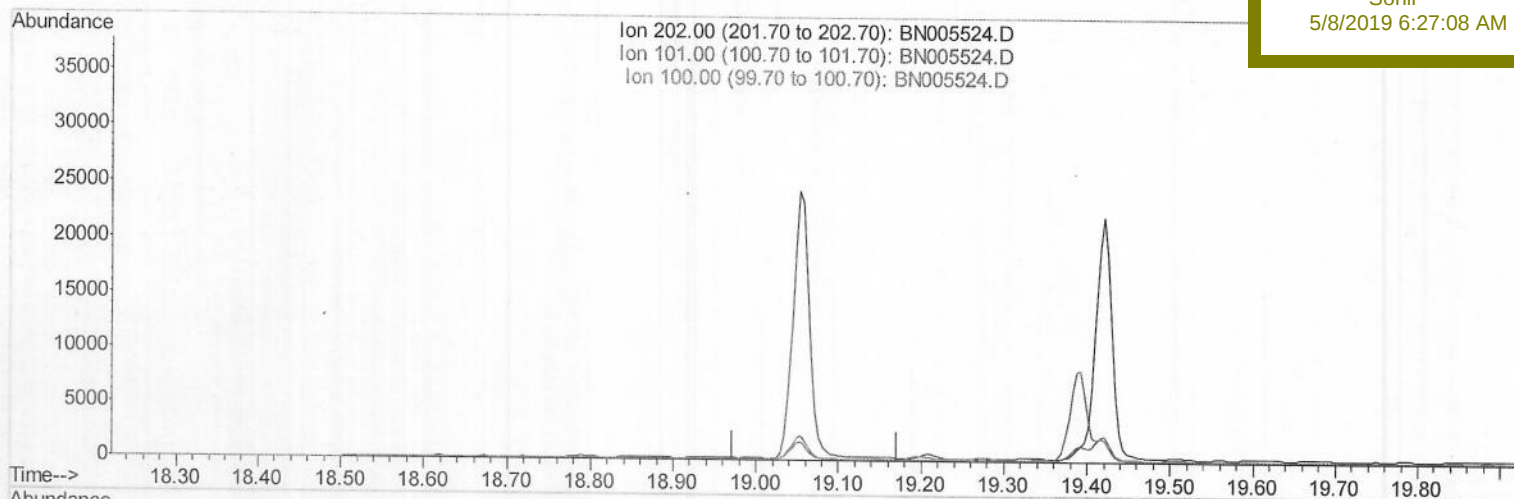
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(15) Fluoranthene (C)

19.072min (-19.072) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	9.40	0.00
100.00	7.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

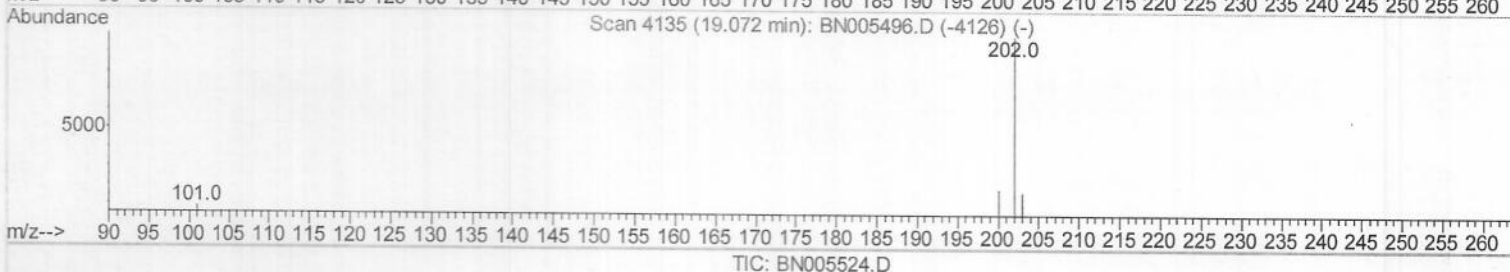
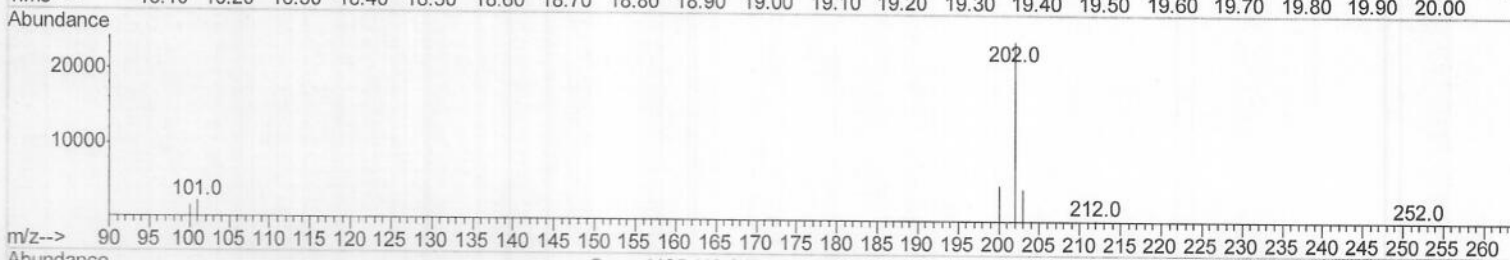
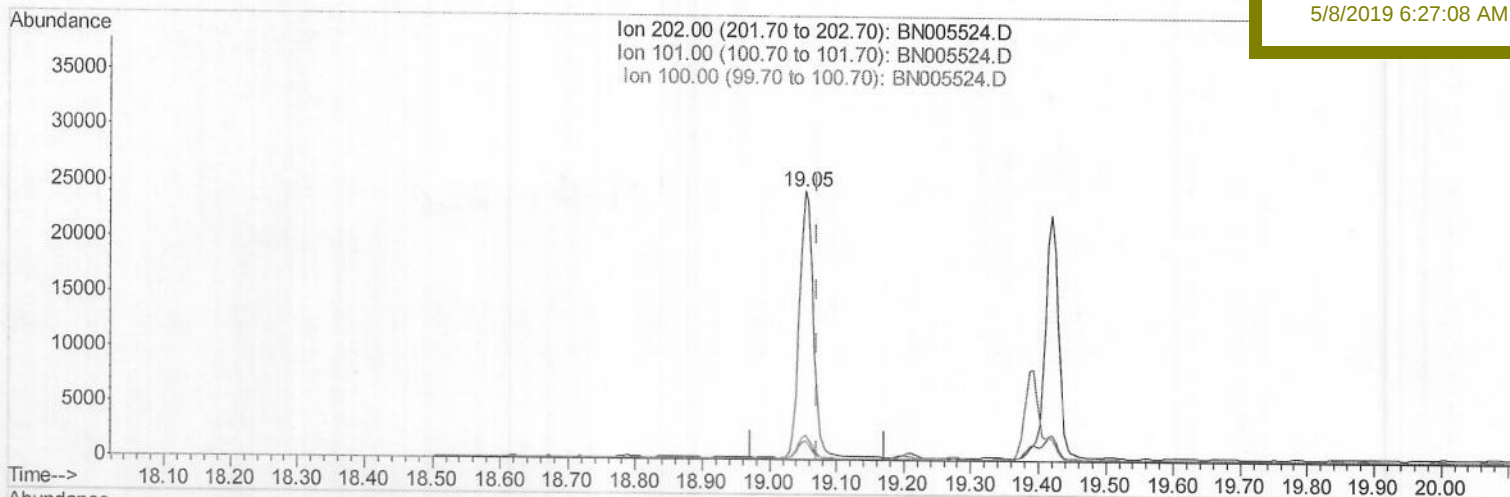
A5130

Manual Integrations

APPROVED

Sohil

5/8/2019 6:27:08 AM



(15) Fluoranthene (C)

19.053min (-0.019) 0.74ng/ul m

response 34467

Ion Exp% Act%

202.00 100 100

101.00 9.40 9.13

100.00 7.10 6.78

0.00 0.00 0.00

JU
5/8/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

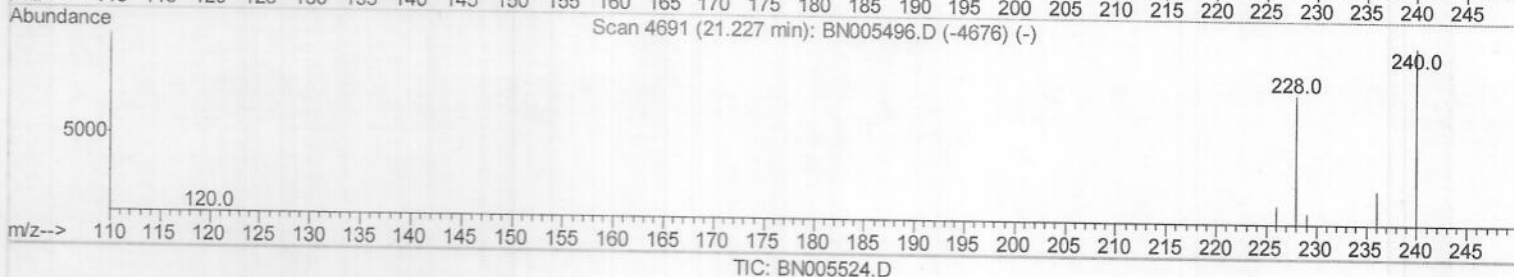
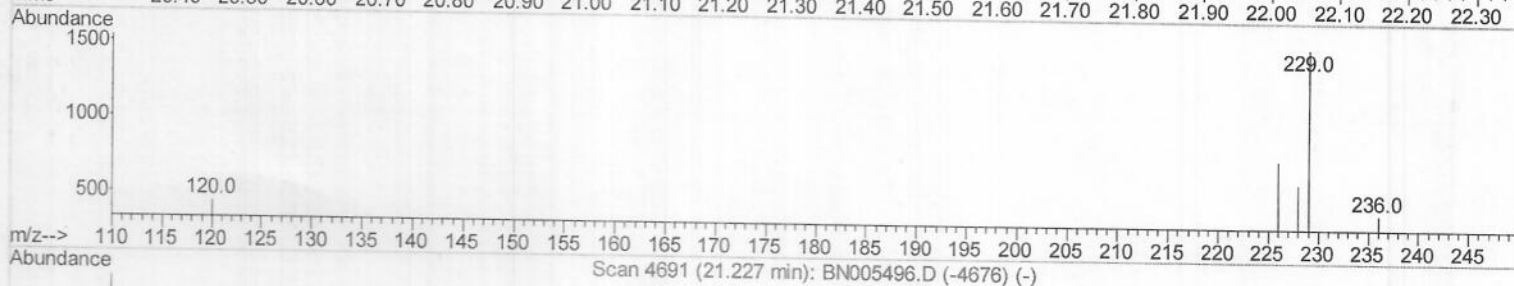
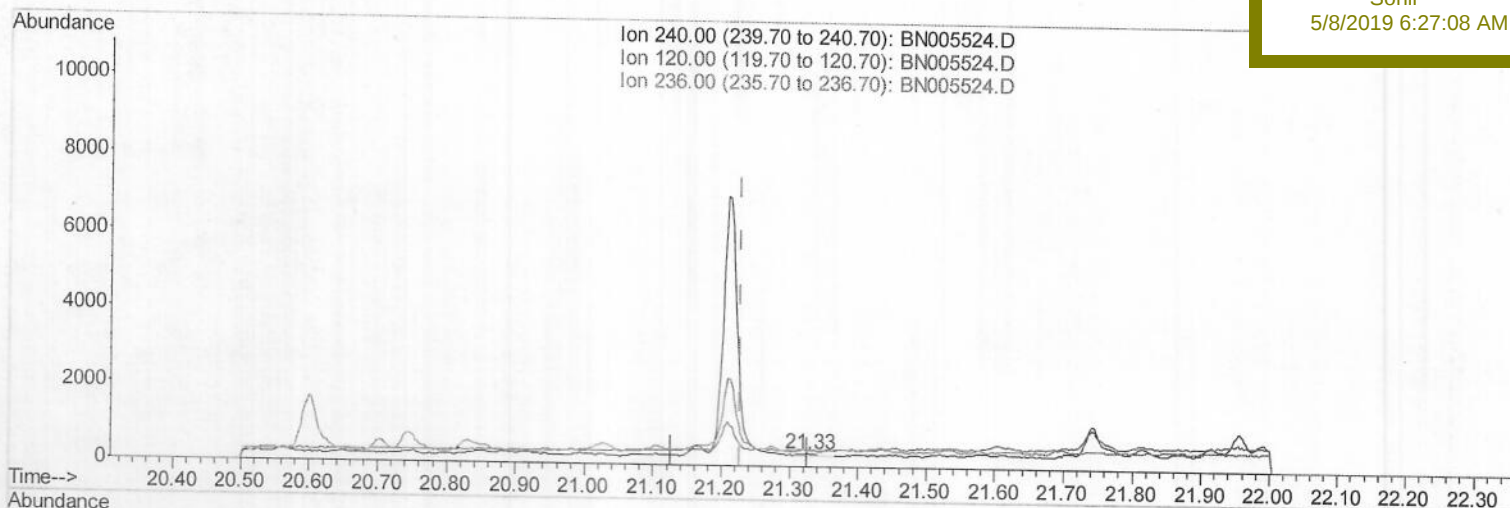
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(16) Chrysene-d12 (I)

21.327min (+0.099) 0.40ng/ul

response 108

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	132.94#
236.00	28.00	129.67#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:47:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

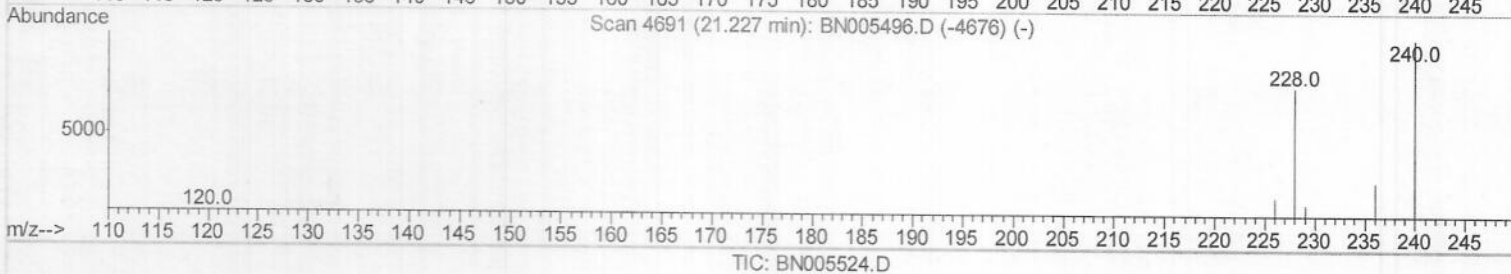
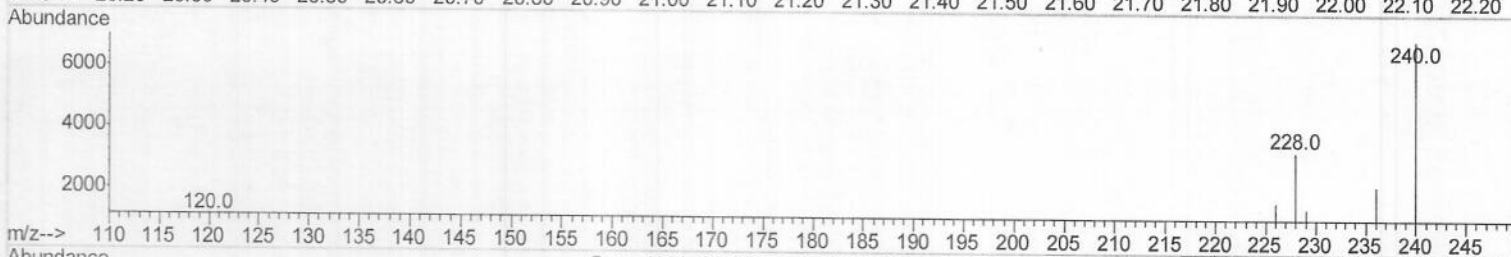
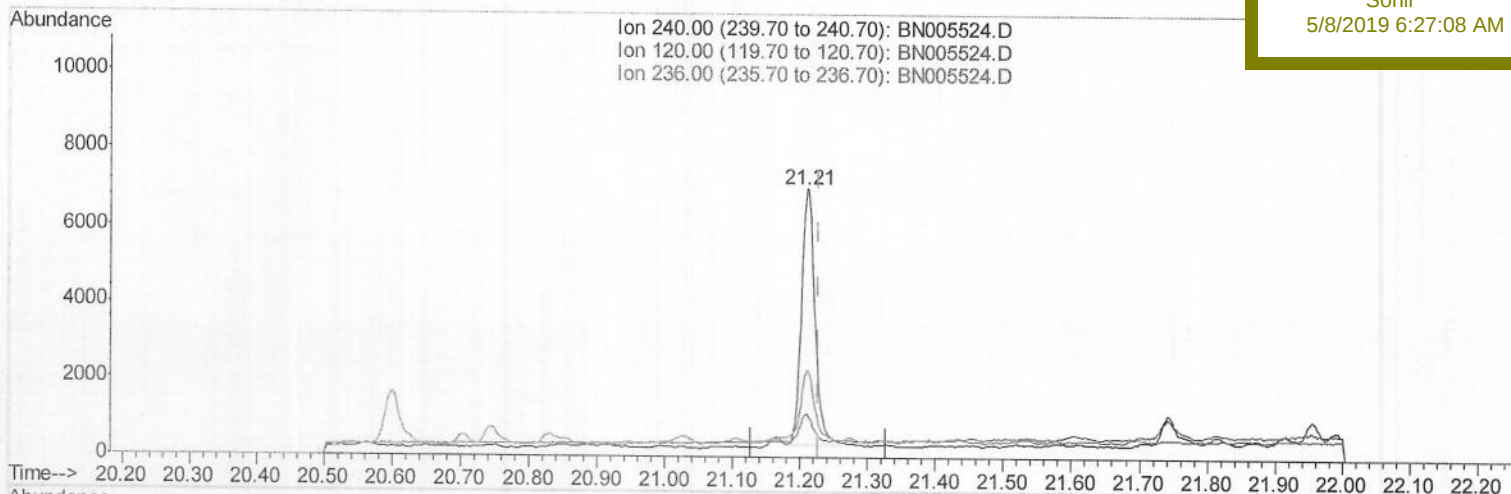
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(16) Chrysene-d12 (I)

21.210min (-0.018) 0.40ng/ul m

response 9214

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	15.79#
236.00	28.00	32.17
0.00	0.00	0.00

JU
5/8/14

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:49:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

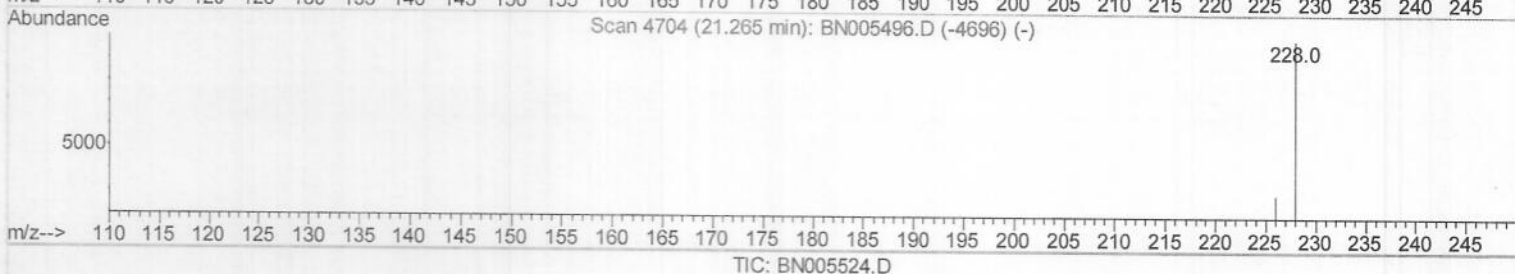
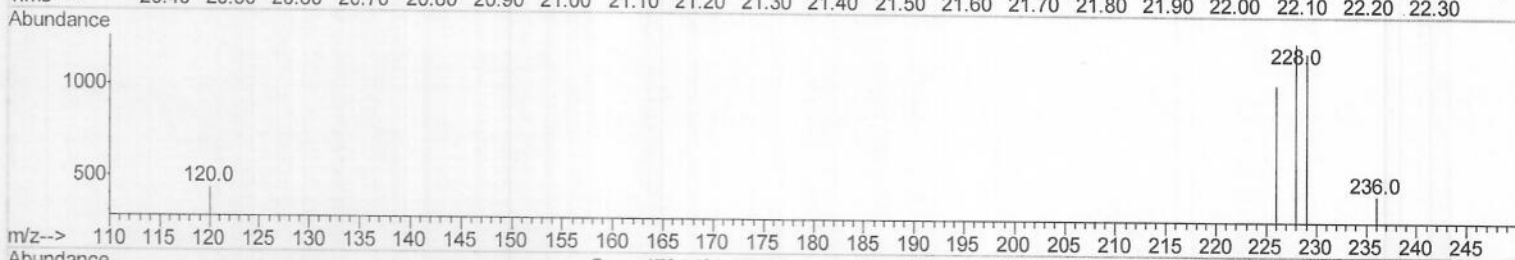
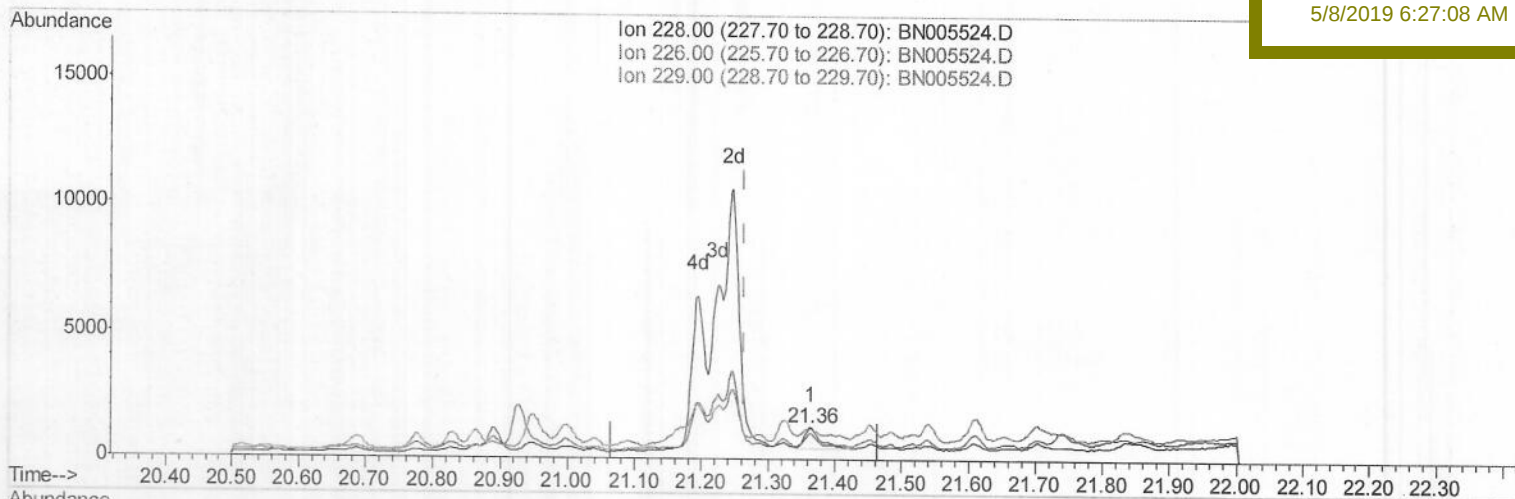
A5130

Manual Integrations

APPROVED

Sohil

5/8/2019 6:27:08 AM



(19) Chrysene

21.365min (+0.099) 0.03ng/ul

response 1365

Ion	Exp%	Act%
228.00	100	100
226.00	29.00	81.85#
229.00	20.00	95.74#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:49:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

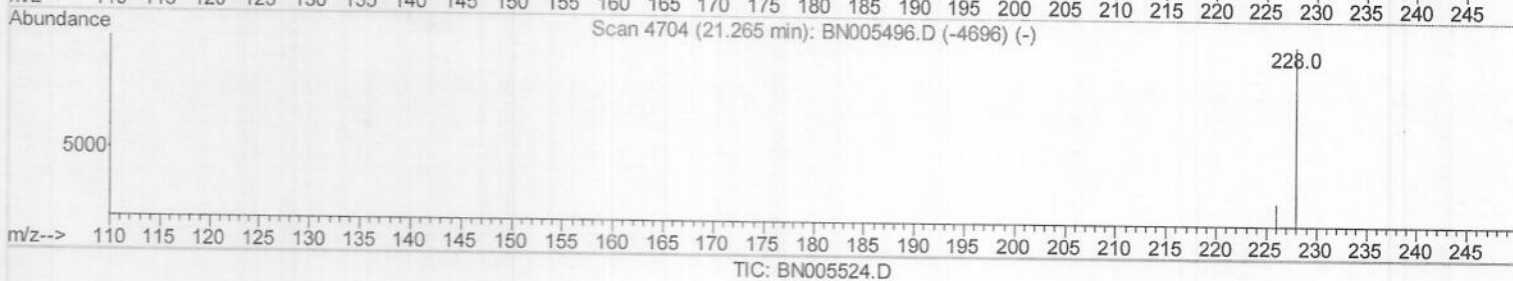
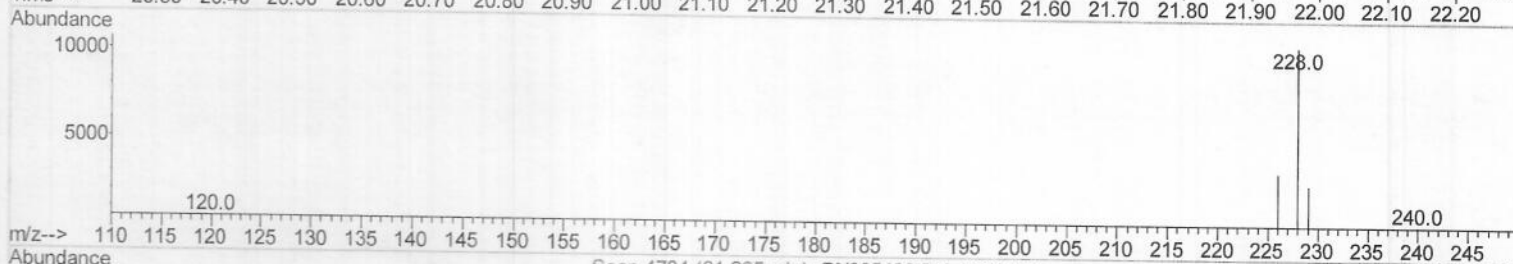
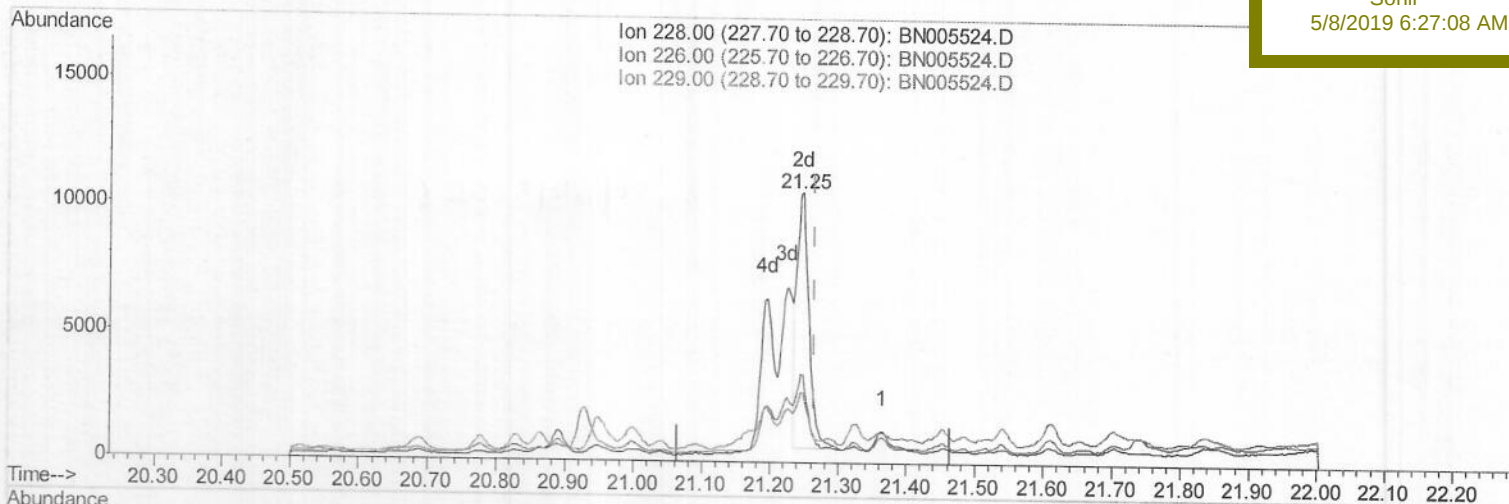
ClientSampleId :

A5130

Manual Integrations
APPROVED

Sohil

5/8/2019 6:27:08 AM



(19) Chrysene

21.248min (-0.018) 0.33ng/ul m

response 12811

Ion	Exp%	Act%
228.00	100	100
226.00	29.00	32.31
229.00	20.00	25.79#
0.00	0.00	0.00

JU
5/8/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:49:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

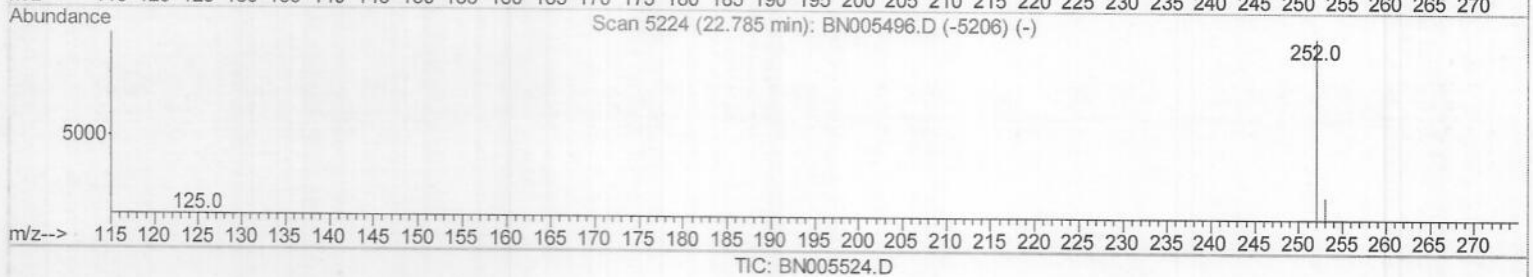
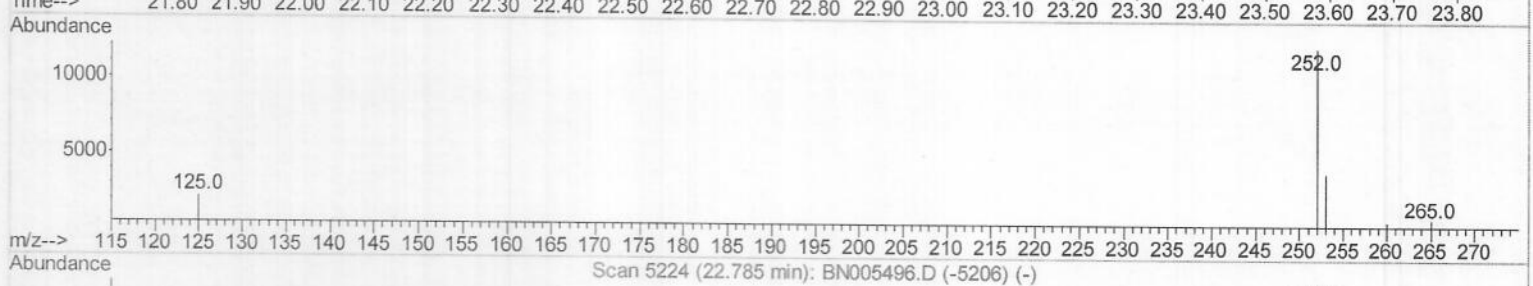
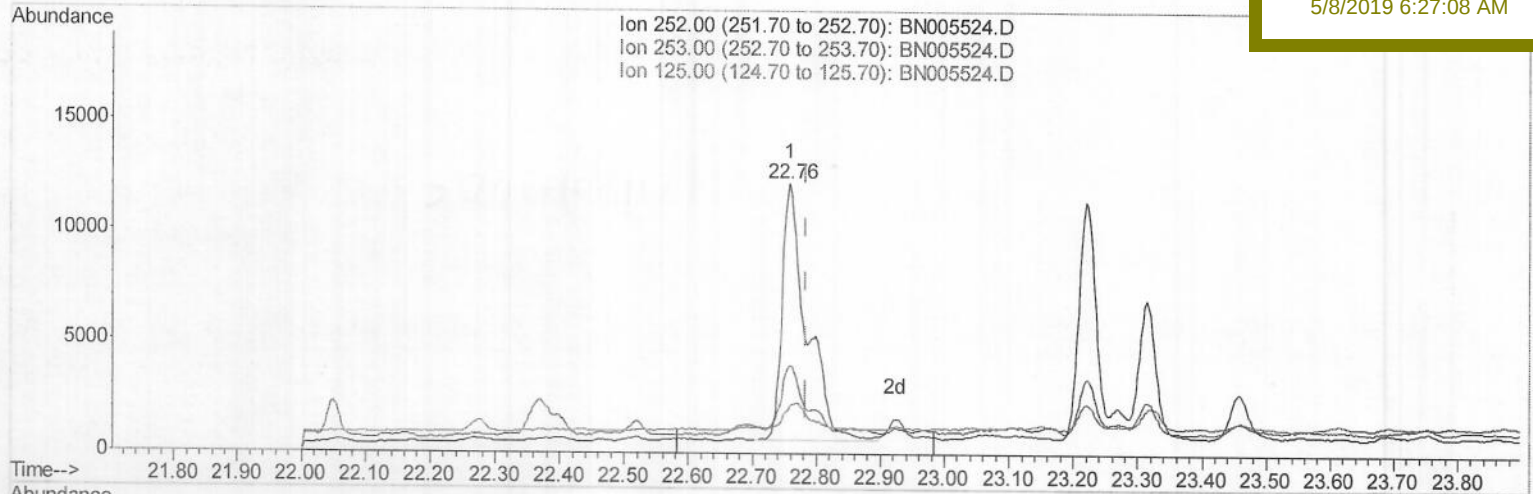
A5130

Manual Integrations

APPROVED

Sohil

5/8/2019 6:27:08 AM



(21) Benzo(b)fluoranthene

22.759min (-0.026) 0.71ng/ul

response 30776

Ion	Exp%	Act%
252.00	100	100
253.00	23.80	32.47
125.00	10.40	17.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:49:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sample Id :

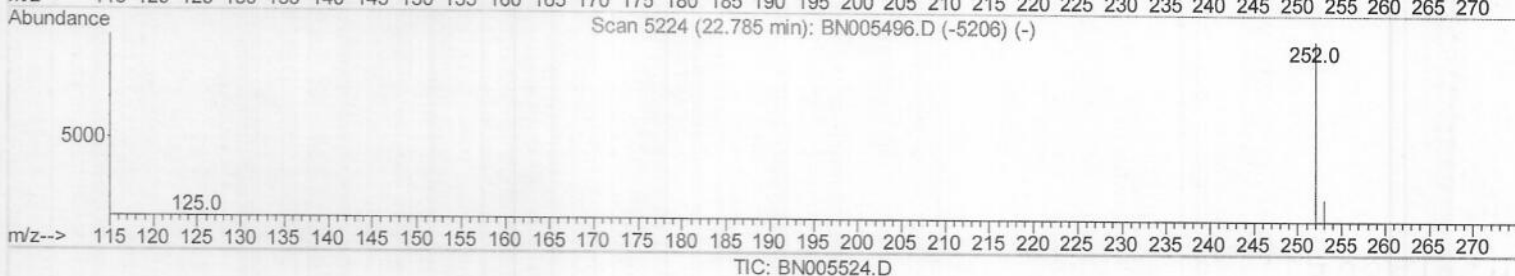
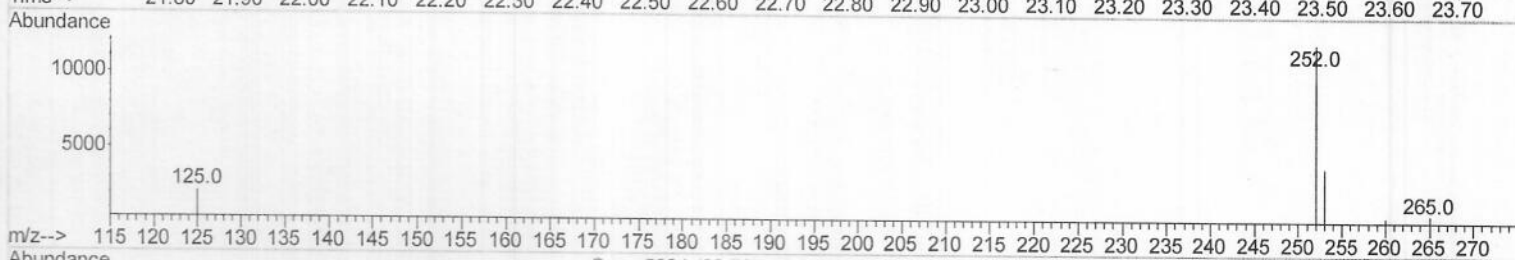
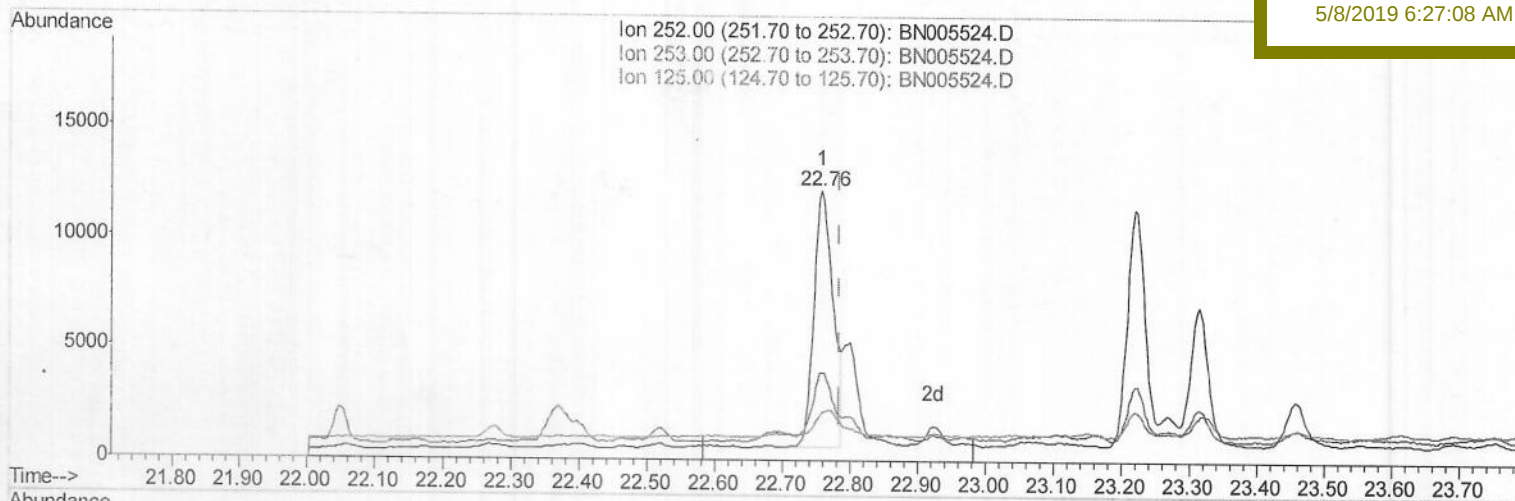
A5130

Manual Integrations

APPROVED

Sohil

5/8/2019 6:27:08 AM



(21) Benzo(b)fluoranthene

22.759min (-0.026) 0.51ng/ul m

response 22062

Ion	Exp%	Act%
252.00	100	100
253.00	23.80	32.47
125.00	10.40	17.80
0.00	0.00	0.00

JU
5/8/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:49:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

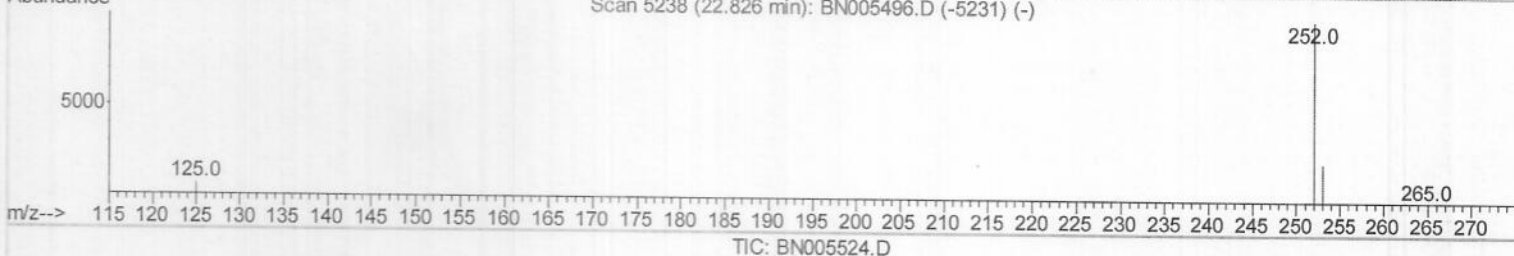
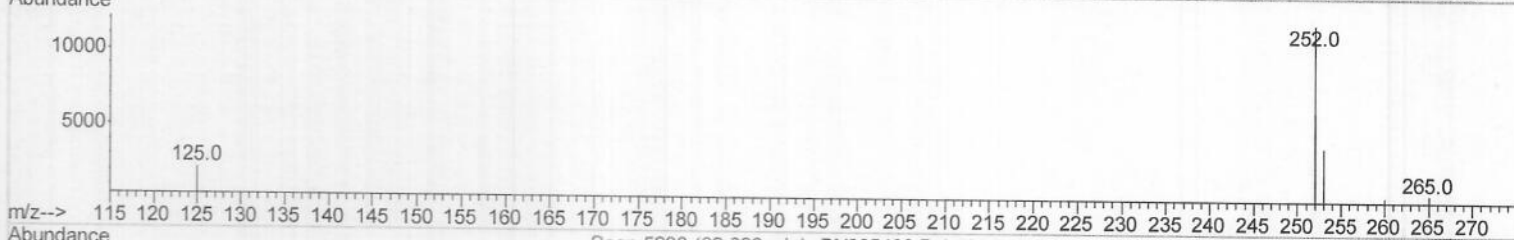
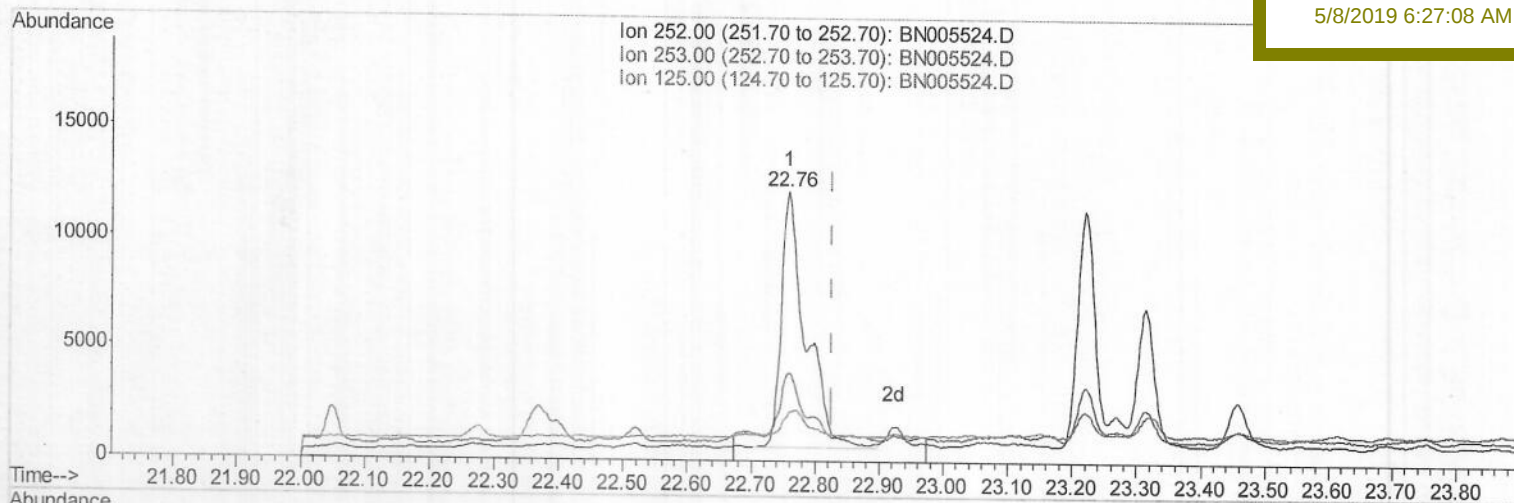
A5130

Manual Integrations

APPROVED

Sohil

5/8/2019 6:27:08 AM



(22) Benzo(k)fluoranthene

22.759min (-0.067) 0.57ng/ul

response 30776

Ion	Exp%	Act%
252.00	100	100
253.00	23.50	32.47#
125.00	9.50	17.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\

Data File : BN005524.D

Acq On : 07 May 2019 19:52

Operator : JU/SJ

Sample : K2403-16

Misc :

ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 08 03:49:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 07:04:57 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

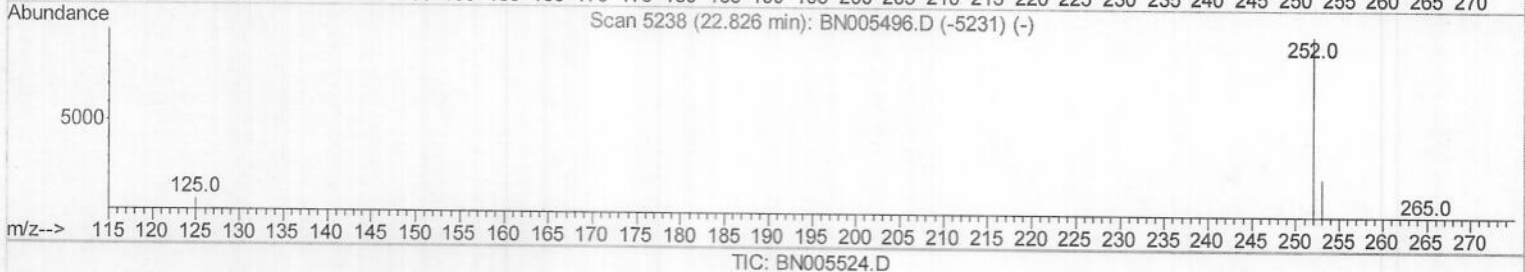
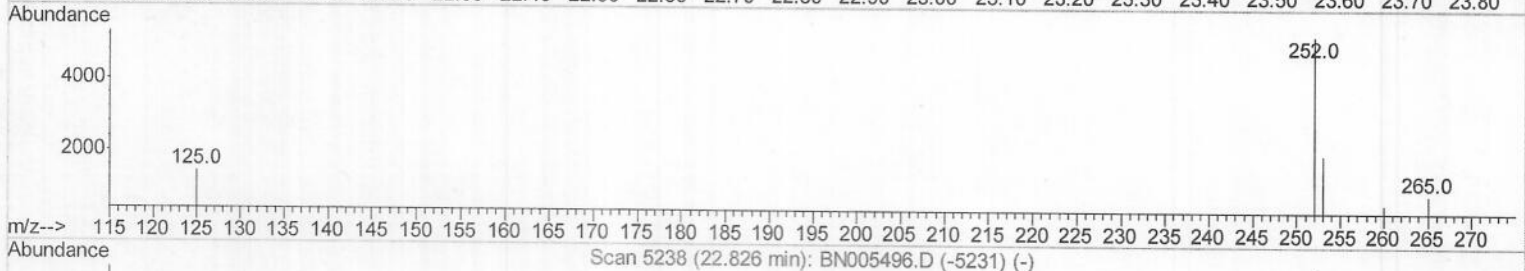
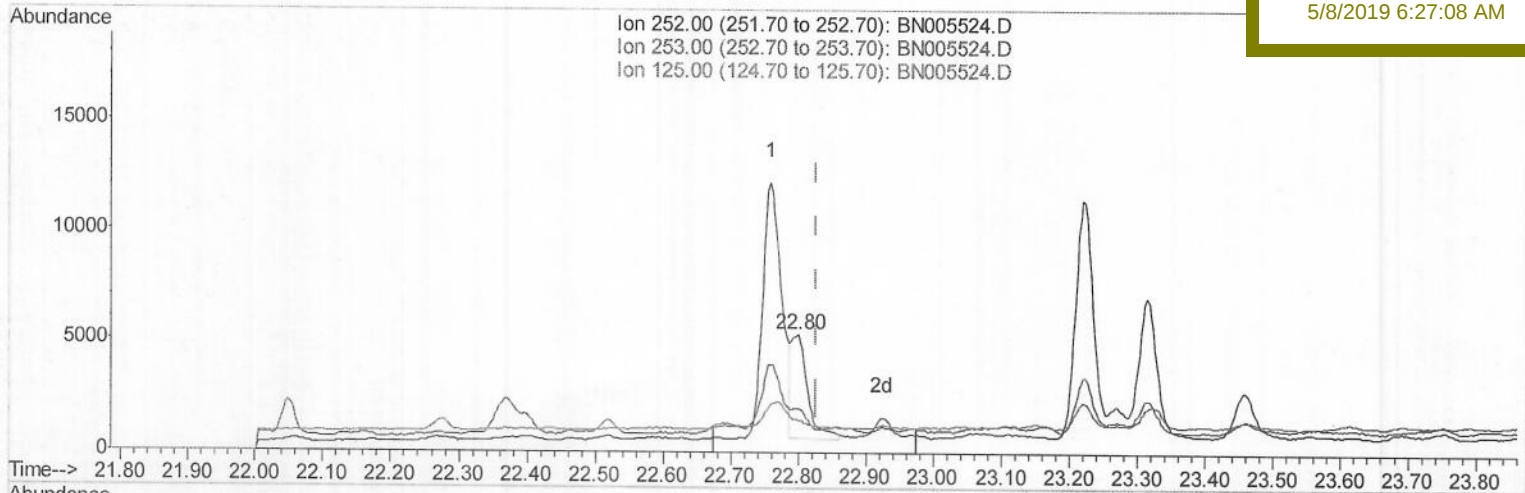
A5130

Manual Integrations

APPROVED

Sohil

5/8/2019 6:27:08 AM



(22) Benzo(k)fluoranthene

22.799min (-0.026) 0.15ng/ul m

response 8240

Ion Exp% Act%

252.00 100 100

253.00 23.50 37.62#

125.00 9.50 27.20#

0.00 0.00 0.00

JU
5/8/19

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN050719\
 Data File : BN005524.D
 Acq On : 07 May 2019 19:52
 Operator : JU/SJ
 Sample : K2403-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 A5130

Quant Time: Mav 08 03:54:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 07 07:04:57 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Sohil
 5/8/2019 6:27:08 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2059	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.35	136	8239	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.23	164	5127	0.40	ng/ul	-0.02
10) Phenanthrene-d10	16.98	188	12329m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.21	240	9214m	0.40	ng/ul	-0.02
20) Perylene-d12	23.41	264	14362	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	3700	0.29	ng/ul	-0.03
14) Fluoranthene-d10	19.03	212	10555m	0.27	ng/ul	-0.01
Target Compounds						
3) Naphthalene	10.40	128	1215	0.056	ng/ul#	87
5) 2-Methylnaphthalene	12.03	142	862	0.058	ng/ul	100
7) Acenaphthylene	13.94	152	2834	0.110	ng/ul	95
12) Phenanthrene	17.02	178	9272	0.276	ng/ul	97
13) Anthracene	17.11	178	1554m	0.046	ng/ul	
15) Fluoranthene	19.05	202	34467m	0.741	ng/ul	
17) Pyrene	19.42	202	30614	0.900	ng/ul	100
18) Benzo(a)anthracene	21.36	228	1286	0.040	ng/ul#	1
19) Chrysene	21.25	228	12811m	0.328	ng/ul	
21) Benzo(b)fluoranthene	22.76	252	22062m	0.511	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	8240m	0.152	ng/ul	
23) Benzo(a)pyrene	23.31	252	11597	0.240	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.59	276	9807	0.182	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.59	278	3355	0.075	ng/ul#	1
26) Benzo(a,h,i)perylene	26.26	276	12501	0.272	ng/ul#	82

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

30
5/8/19