

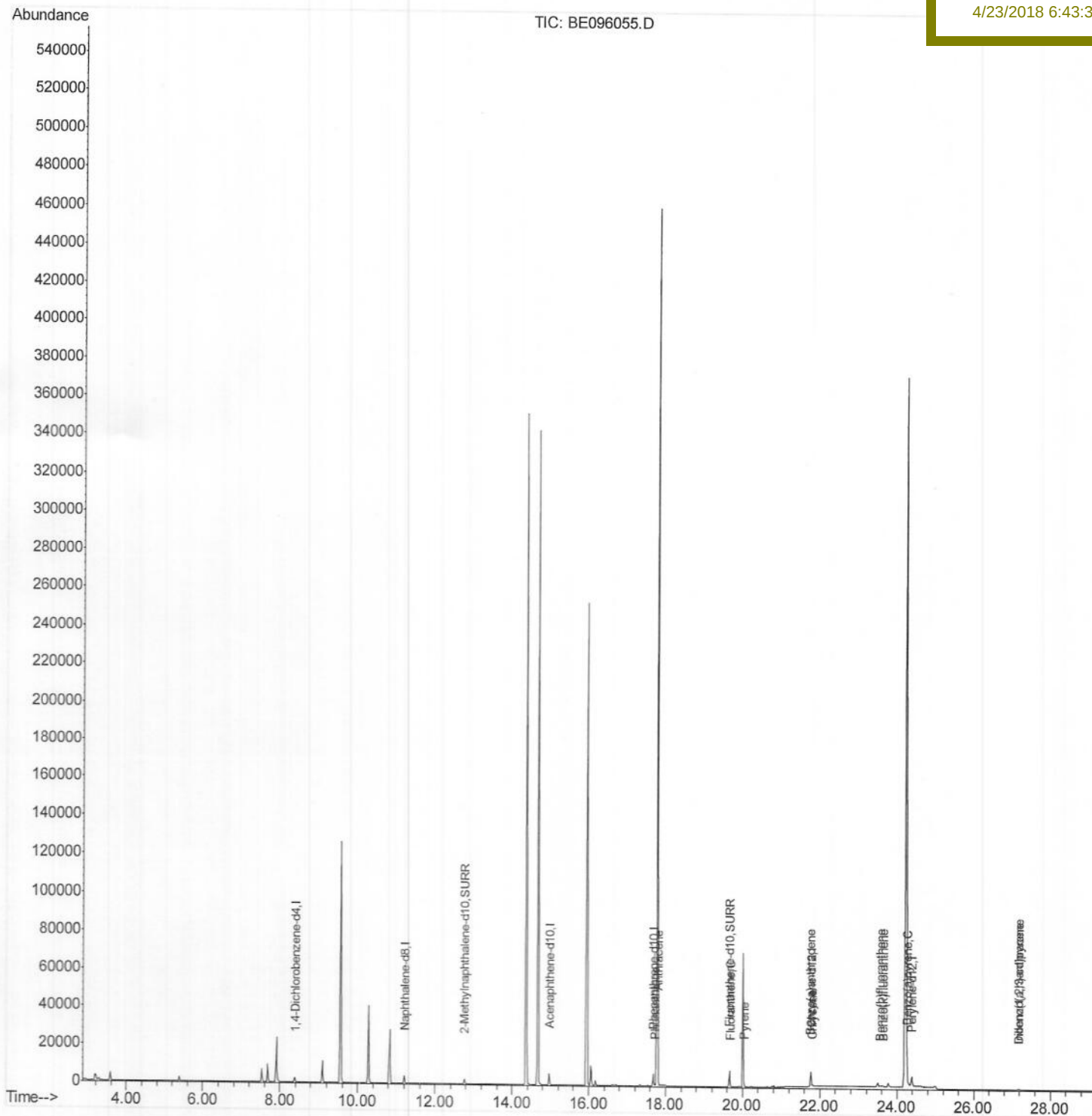
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096055.D
Acq On : 20 Apr 2018 23:39
Operator : SJ/JU
Sample : J2356-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 13:59:33 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 21 01:28:31 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A3XT7

Manual Integrations
APPROVED

Sohil
4/23/2018 6:43:34 PM



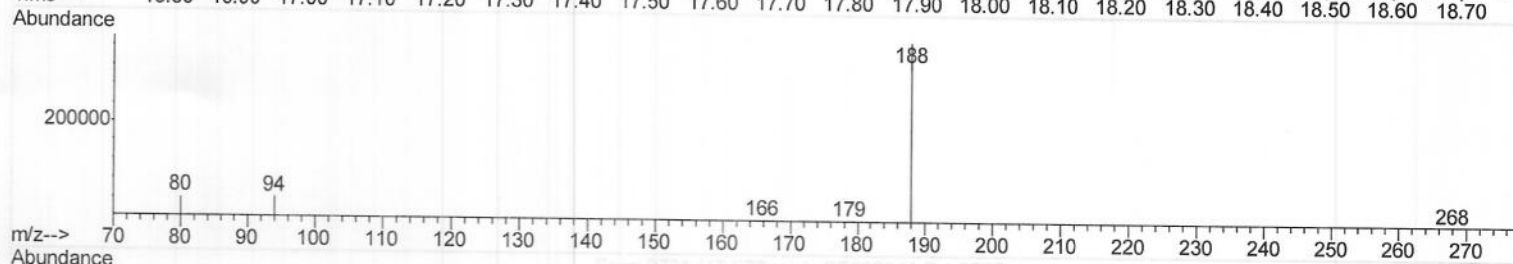
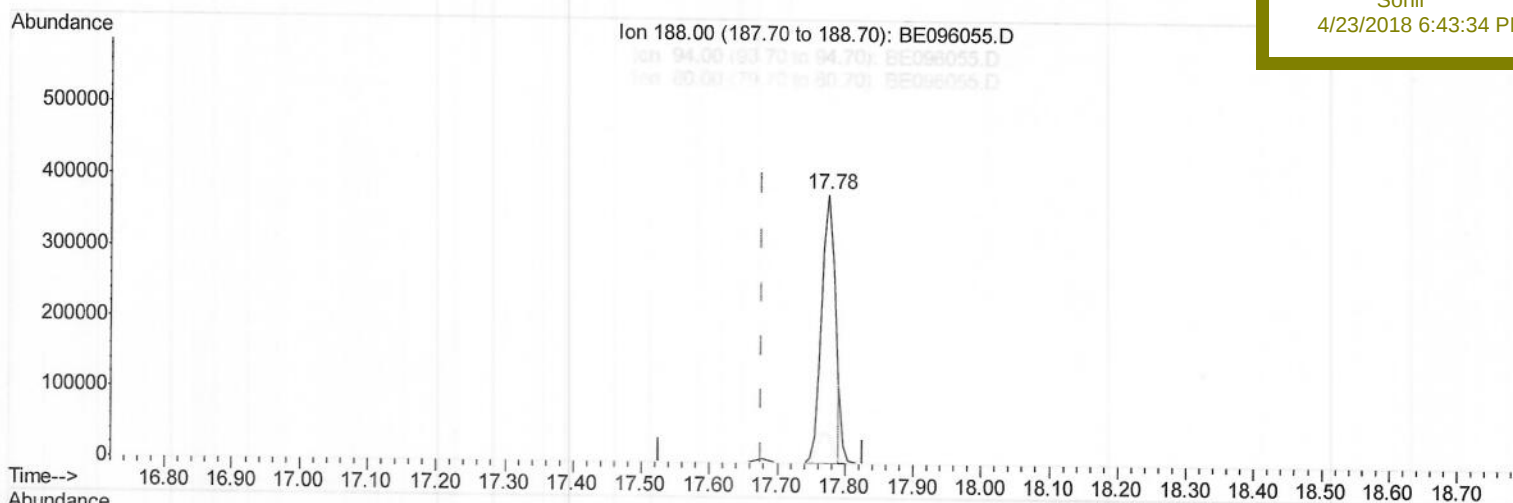
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096055.D
Acq On : 20 Apr 2018 23:39
Operator : SJ/JU
Sample : J2356-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3XT7

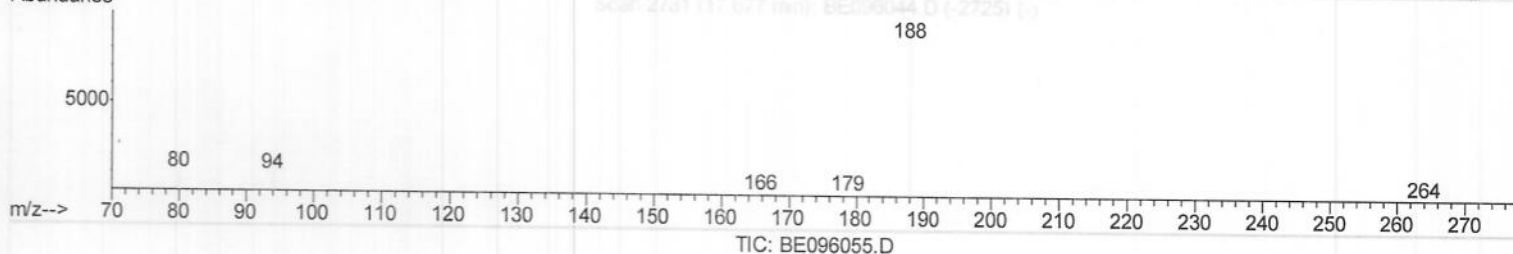
Manual Integrations
APPROVED

Sohil
4/23/2018 6:43:34 PM

Quant Time: Apr 21 01:29:52 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 21 01:28:31 2018
Response via : Initial Calibration



Scan 2731 (17.677 min): BE096044.D (-2725) (s)



TIC: BE096055.D

(10) Phenanthrene-d10 (I)

17.776min (+0.099) 0.40ng/ul

response 530245

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.82
80.00	11.80	10.34
0.00	0.00	0.00

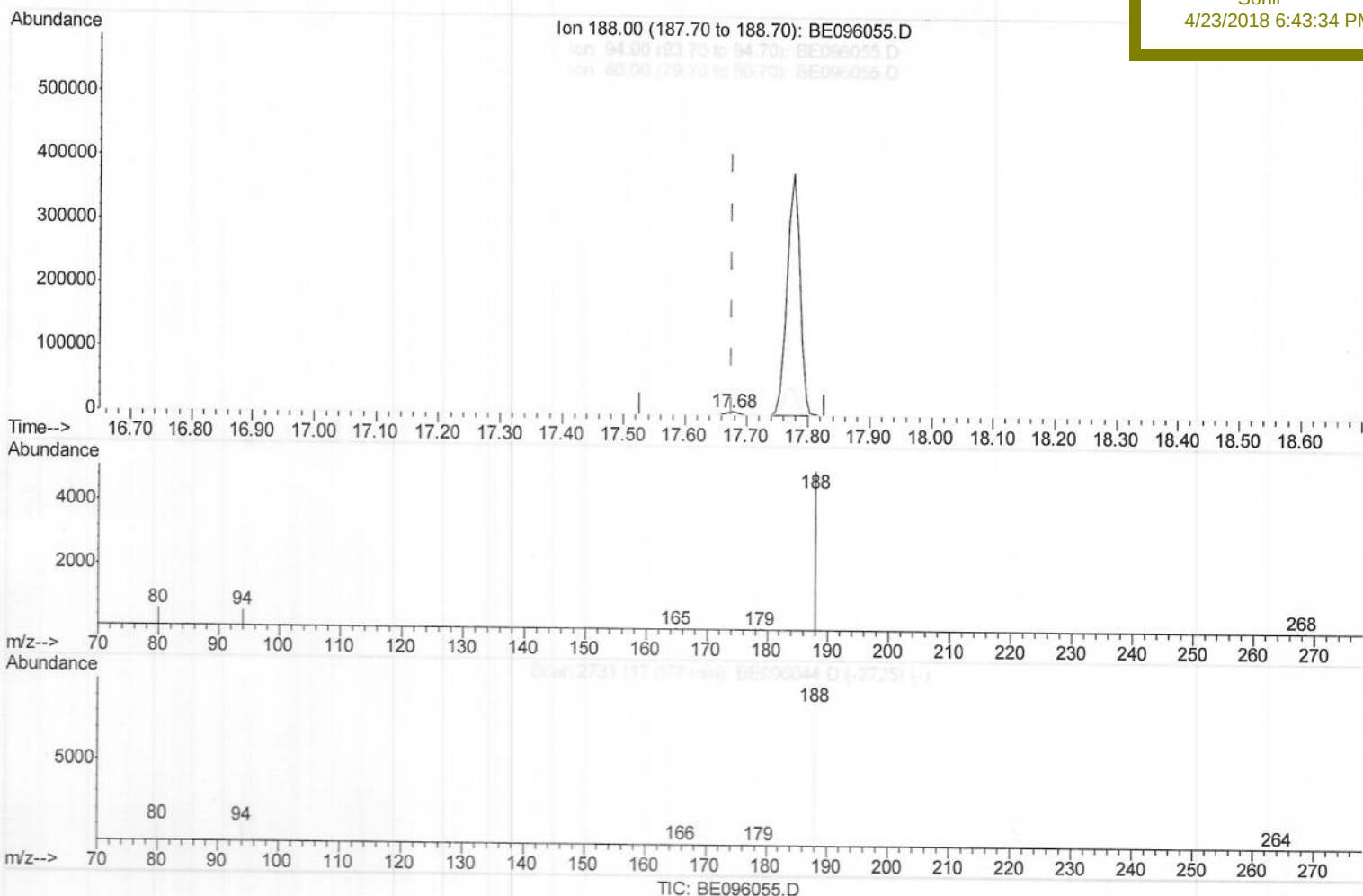
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096055.D
Acq On : 20 Apr 2018 23:39
Operator : SJ/JU
Sample : J2356-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 01:29:52 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 21 01:28:31 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A3XT7

Manual Integrations
APPROVED

Sohil
4/23/2018 6:43:34 PM



(10) Phenanthrene-d10 (I)

17.677min (+0.000) 0.40ng/ul m

response 7122

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.67
80.00	11.80	11.59
0.00	0.00	0.00

SJ
04/21/18

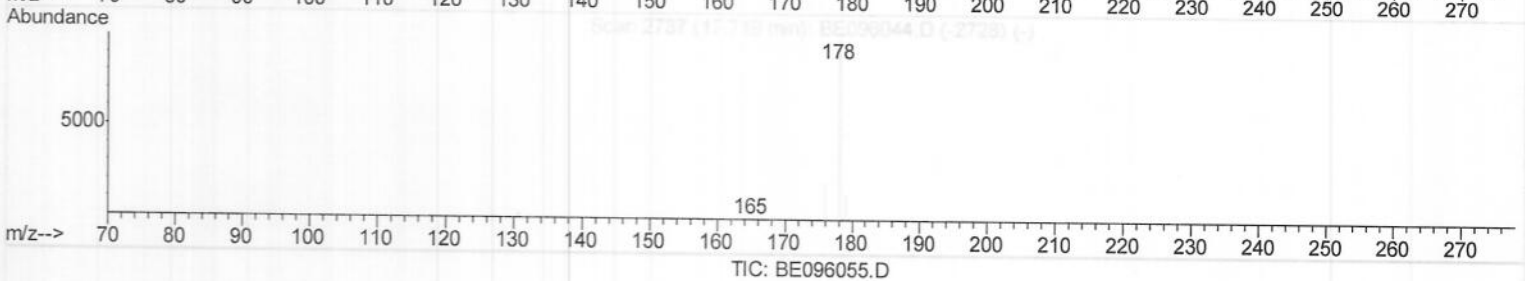
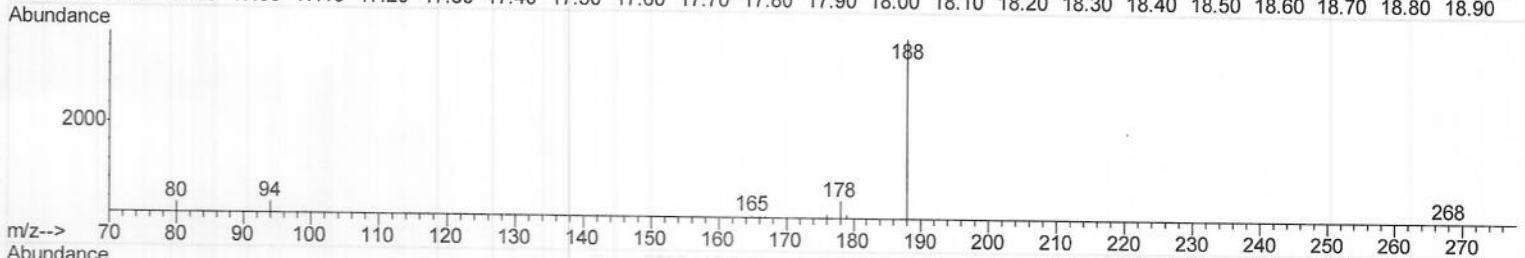
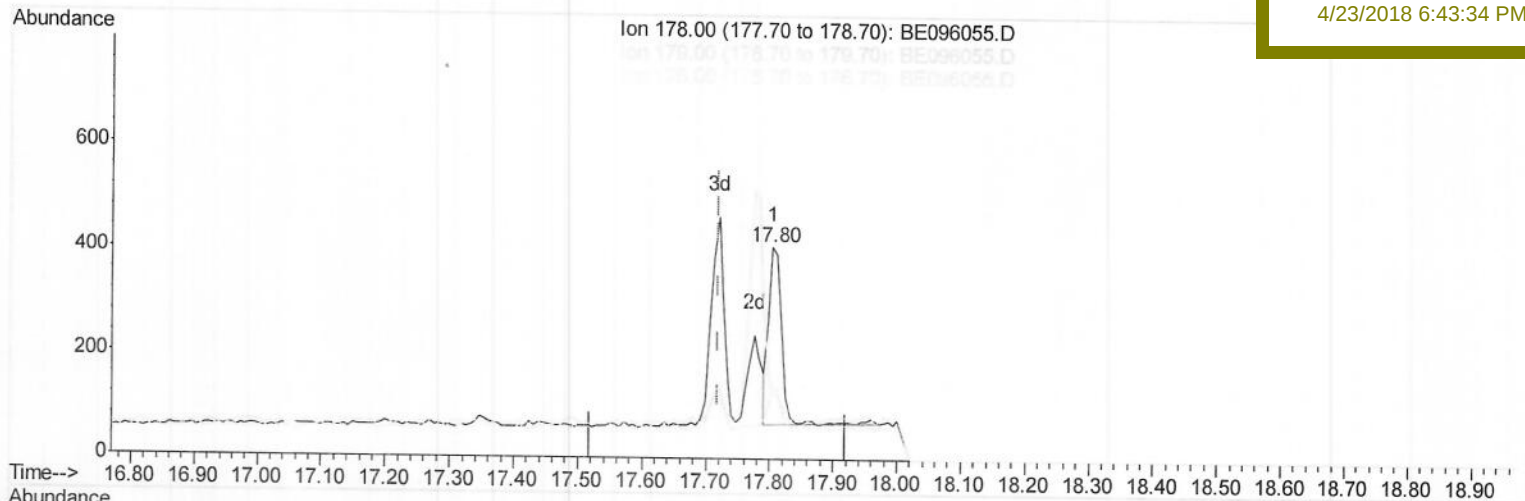
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096055.D
Acq On : 20 Apr 2018 23:39
Operator : SJ/JU
Sample : J2356-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 21 01:28:31 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A3XT7

Manual Integrations
APPROVED

Sohil
4/23/2018 6:43:34 PM



(12) Phenanthrene

17.804min (+0.085) 0.02ng/ul

response 494

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	32.43#
176.00	17.00	31.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

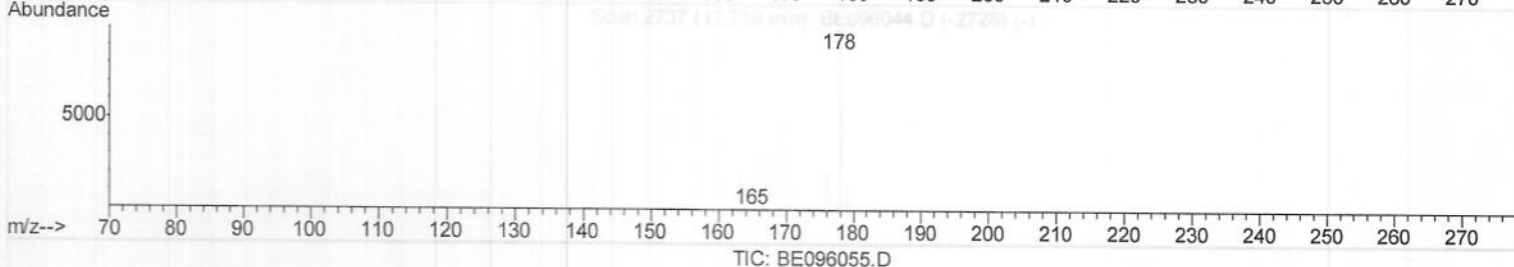
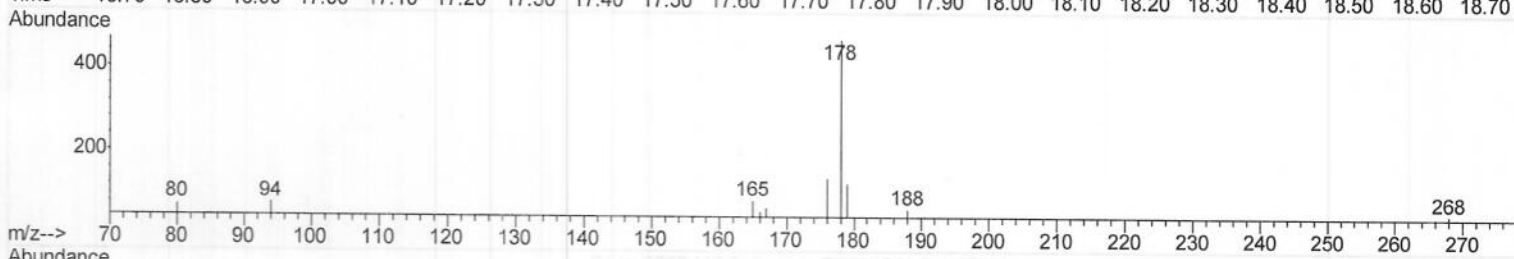
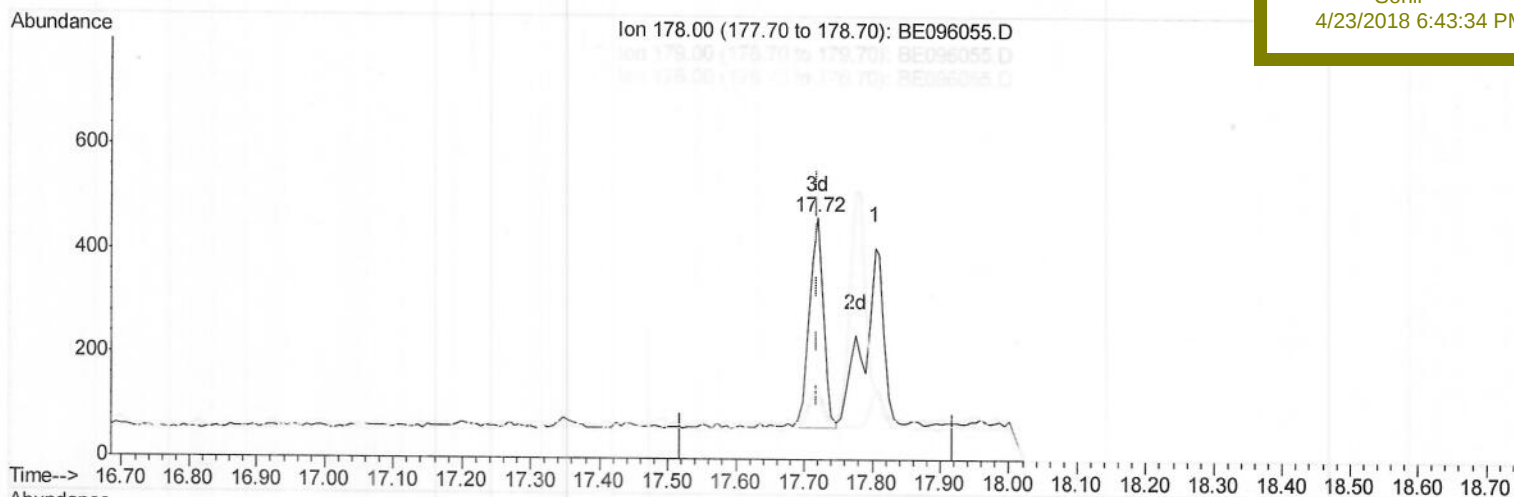
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096055.D
 Acq On : 20 Apr 2018 23:39
 Operator : SJ/JU
 Sample : J2356-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 21 01:28:31 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 A3XT7

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:43:34 PM



(12) Phenanthrene

17.719min (+0.000) 0.03ng/ul m

response 571

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	27.31
176.00	17.00	29.89#
0.00	0.00	0.00

SJ
 04/21/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

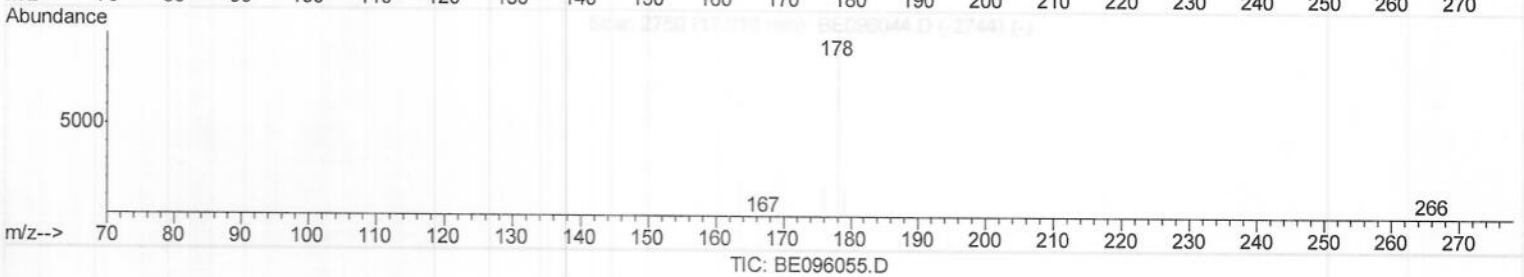
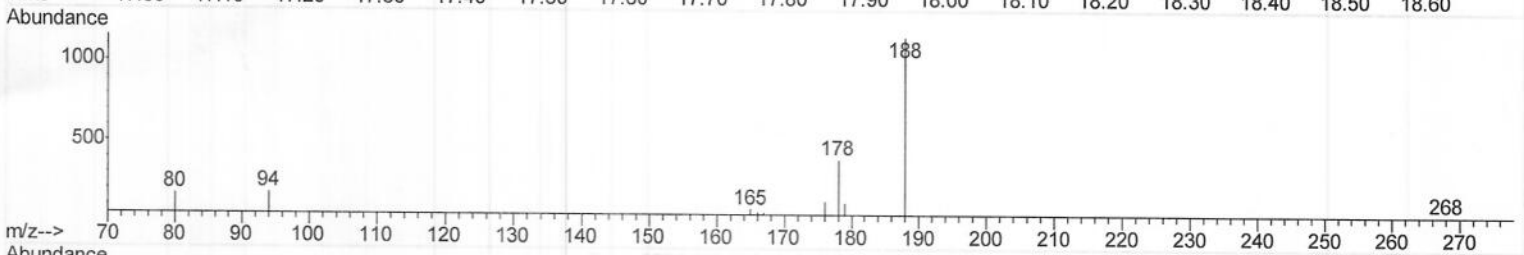
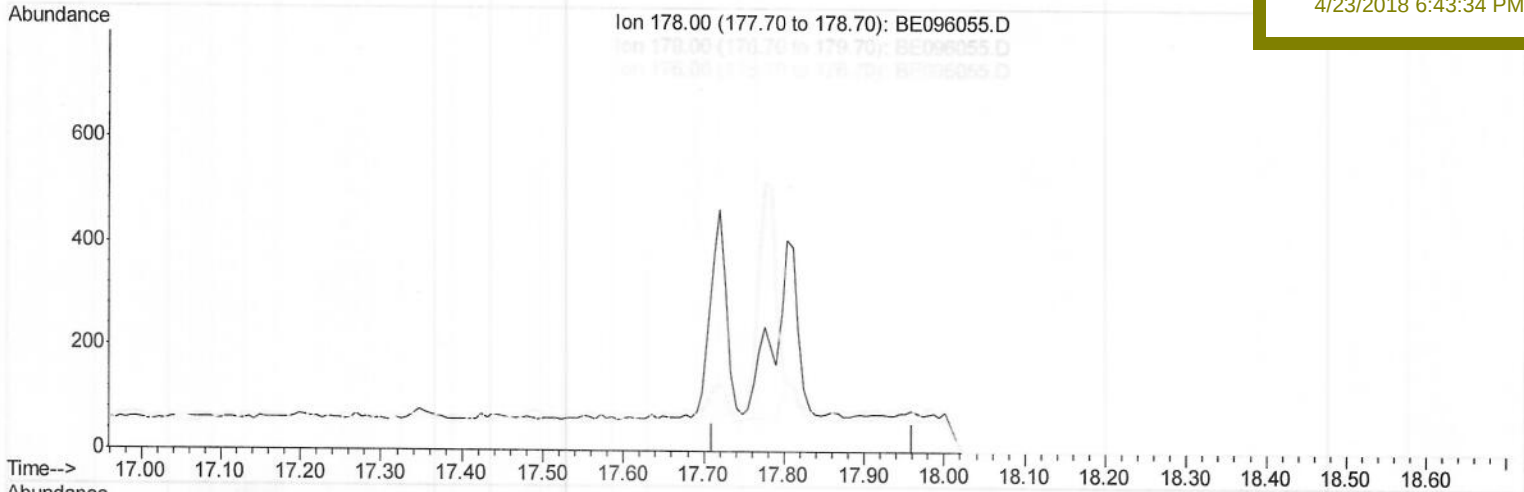
A3XT7

Manual Integrations

APPROVED

Sohil

4/23/2018 6:43:34 PM



(13) Anthracene

17.810min (-17.810) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	22.60	0.00#
176.00	18.40	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096055.D
Acq On : 20 Apr 2018 23:39
Operator : SJ/JU
Sample : J2356-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 21 01:28:31 2018
Response via : Initial Calibration

Instrument :

BNA_E

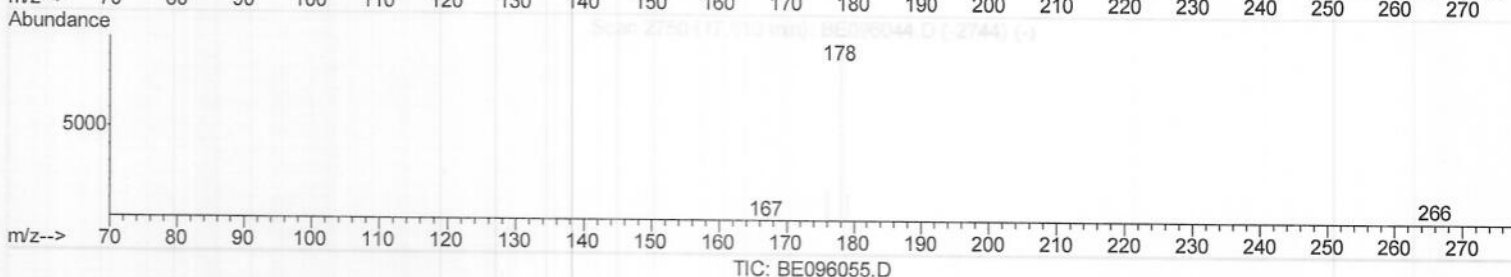
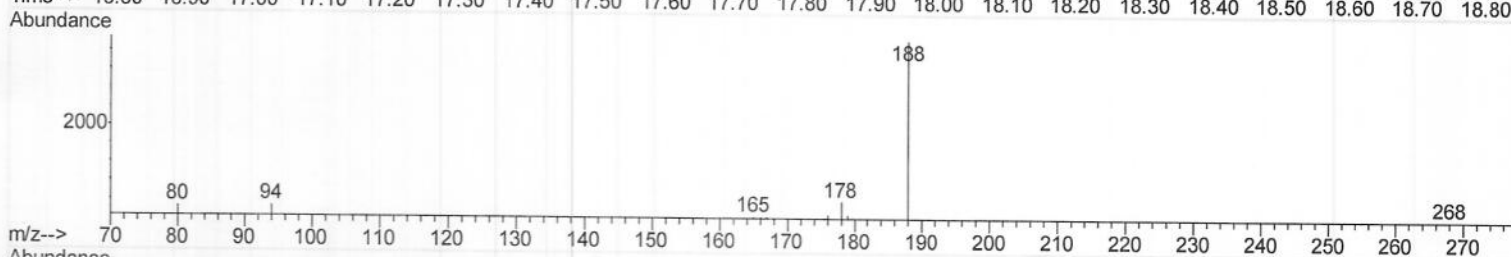
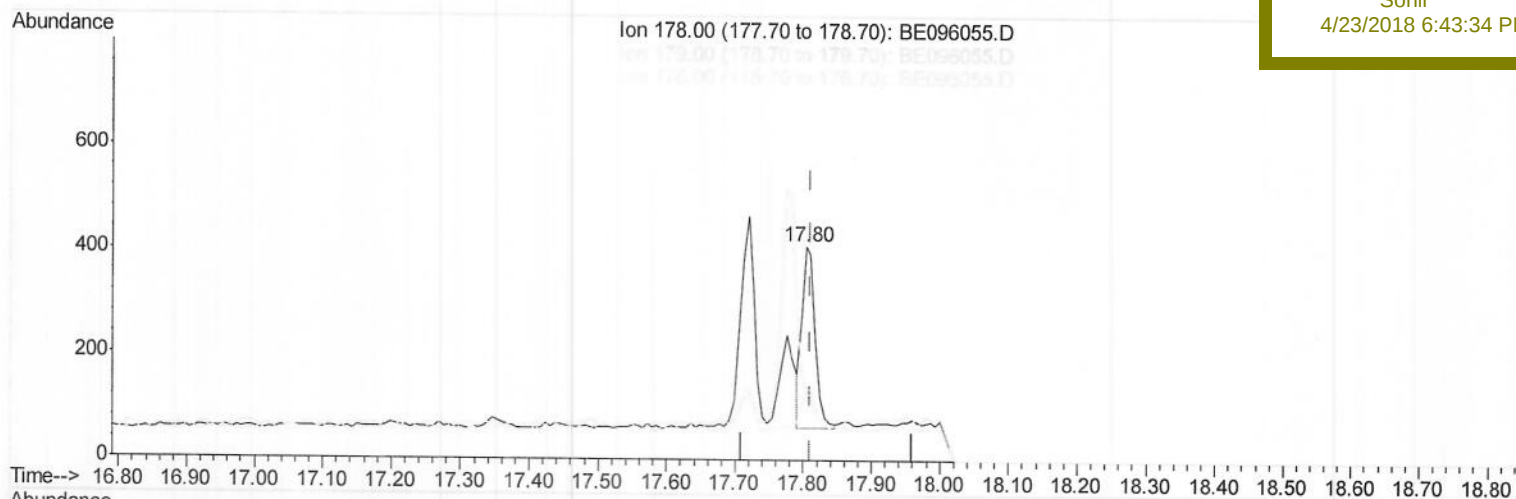
ClientSampleId :

A3XT7

Manual Integrations
APPROVED

Sohil

4/23/2018 6:43:34 PM



(13) Anthracene

17.804min (-0.007) 0.02ng/ul m

response 486

Ion	Exp%	Act%
-----	------	------

178.00	100	100
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179.00	22.60	32.43#
--------	-------	--------

176.00	18.40	31.94#
--------	-------	--------

0.00	0.00	0.00
------	------	------

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Quantitation Report (Qedit)

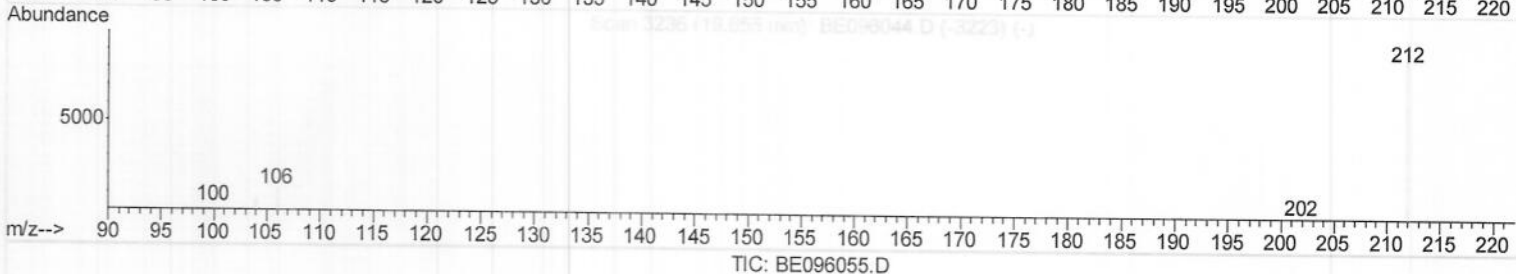
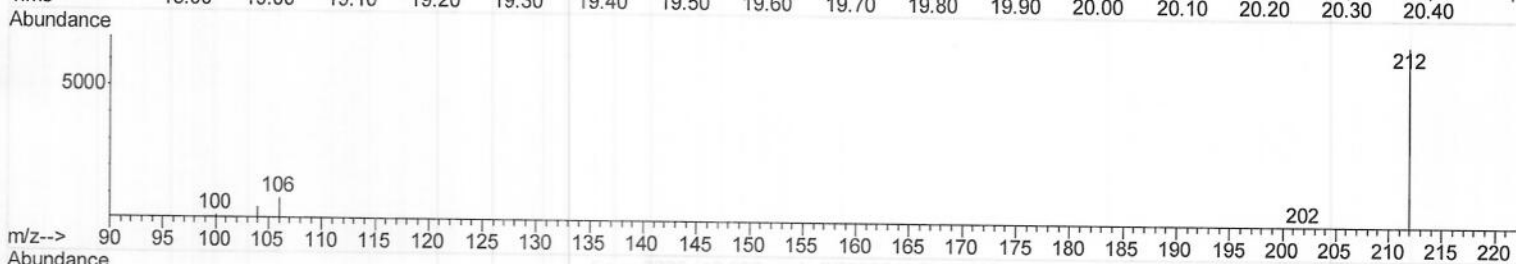
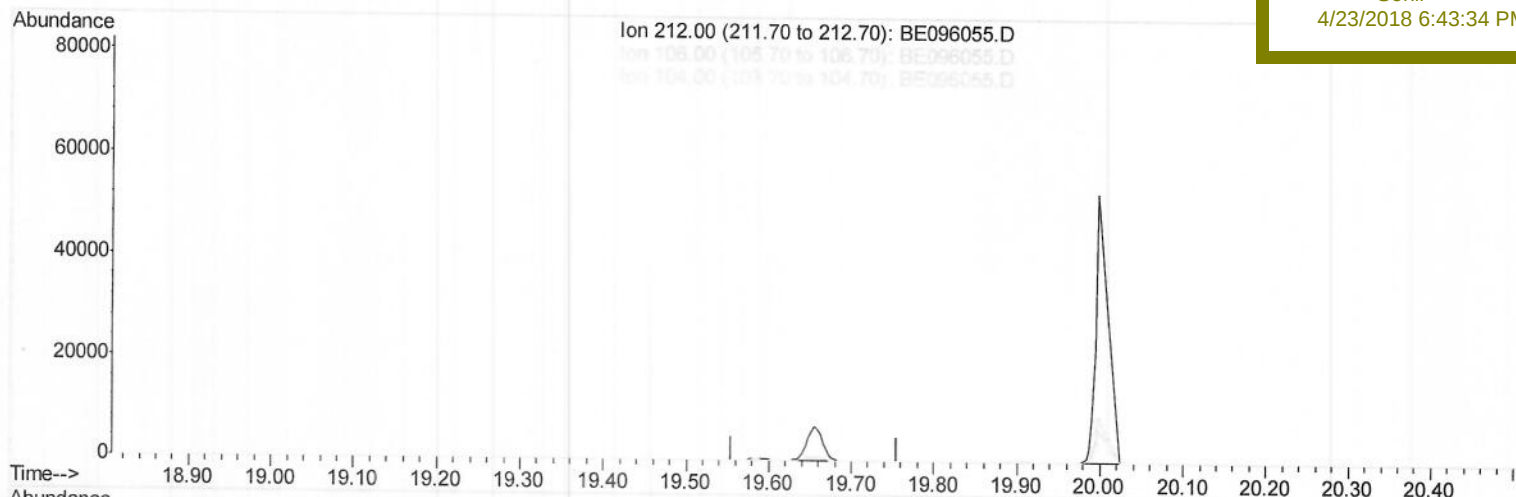
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096055.D
 Acq On : 20 Apr 2018 23:39
 Operator : SJ/JU
 Sample : J2356-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 21 01:28:31 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 A3XT7

Manual Integrations
 APPROVED

Sohil
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(14) Fluoranthene-d10 (SURR)

19.655min (-19.655) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

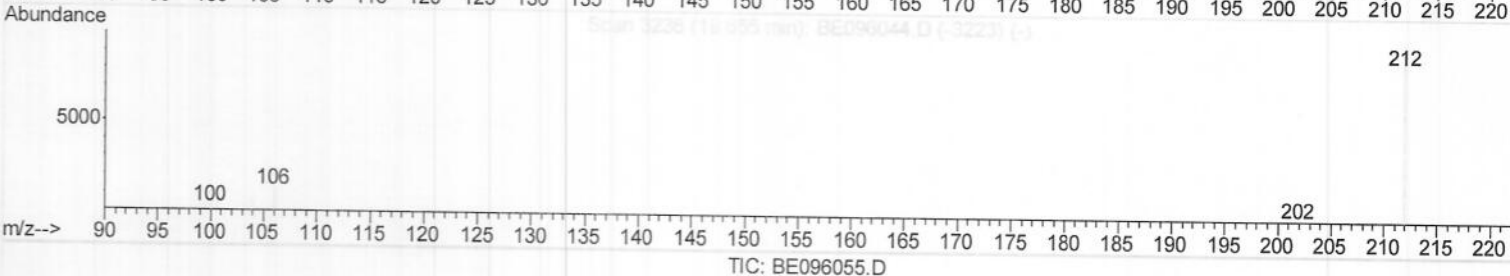
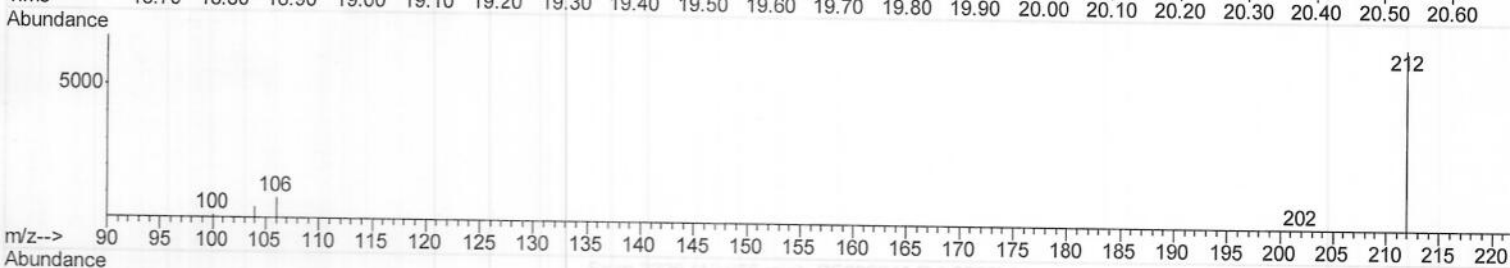
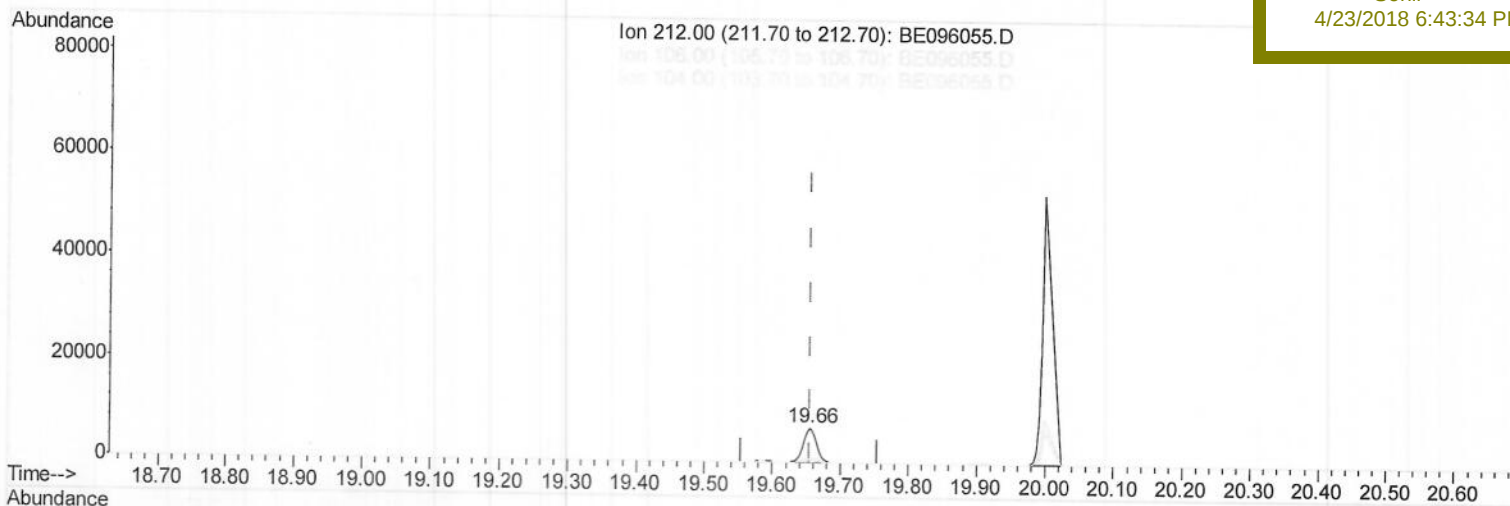
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096055.D
 Acq On : 20 Apr 2018 23:39
 Operator : SJ/JU
 Sample : J2356-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 21 01:28:31 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 A3XT7

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:43:34 PM



(14) Fluoranthene-d10 (SURR)

19.655min (-0.000) 0.30ng/ul m

response 8829

Ion Exp% Act%

212.00 100 100

106.00 18.30 0.00#

104.00 15.60 0.00#

0.00 0.00 0.00

SJ
 04/21/18

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

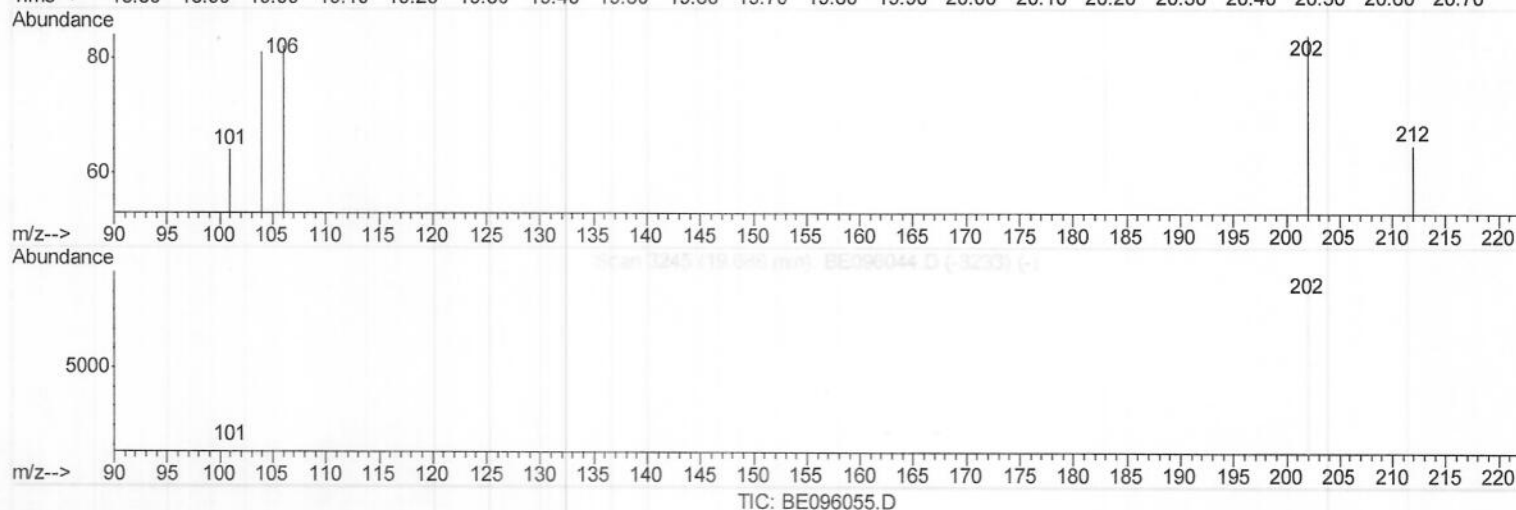
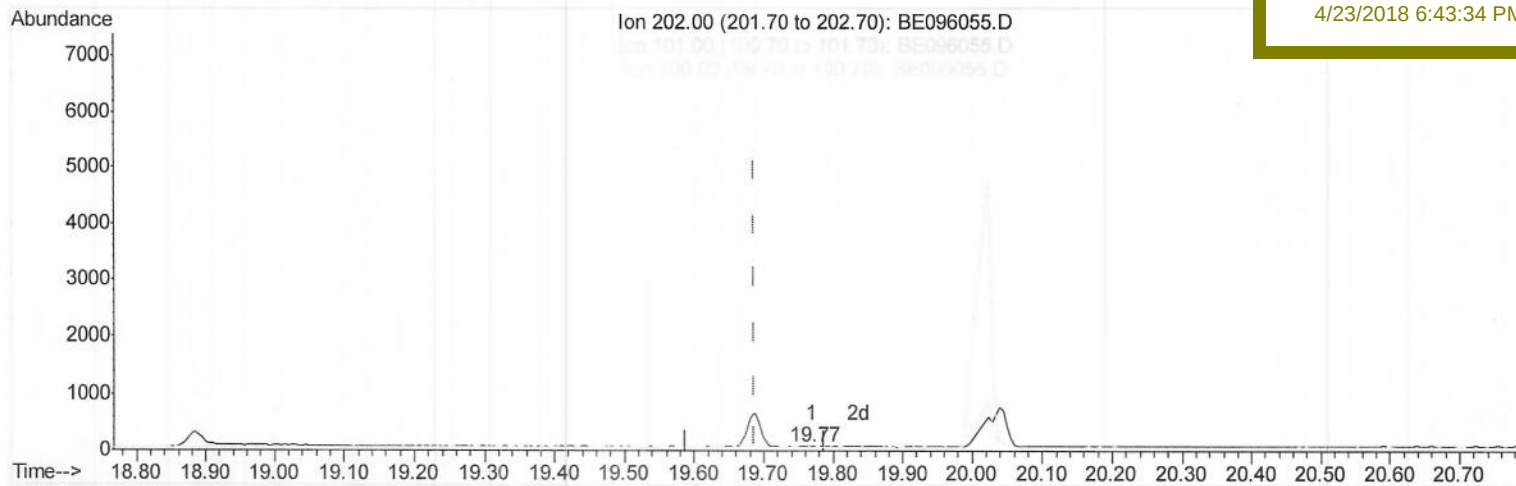
ClientSampleId :

A3XT7

Manual Integrations
APPROVED

Sohil

4/23/2018 6:43:34 PM



(15) Fluoranthene (C)

19.769min (+0.082) 0.00ng/ul

response 7

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	76.19#
100.00	19.50	63.10#
0.00	0.00	0.00

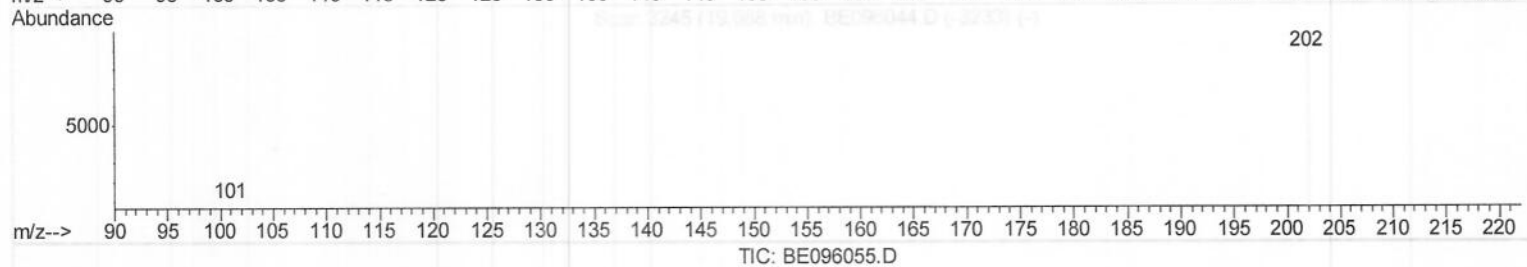
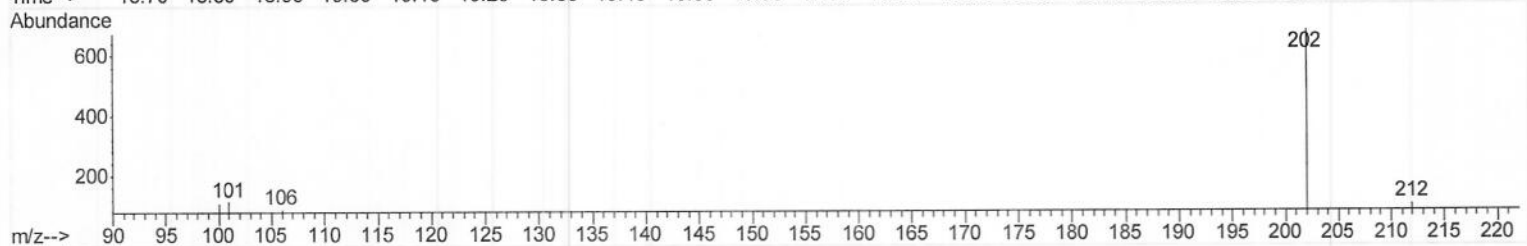
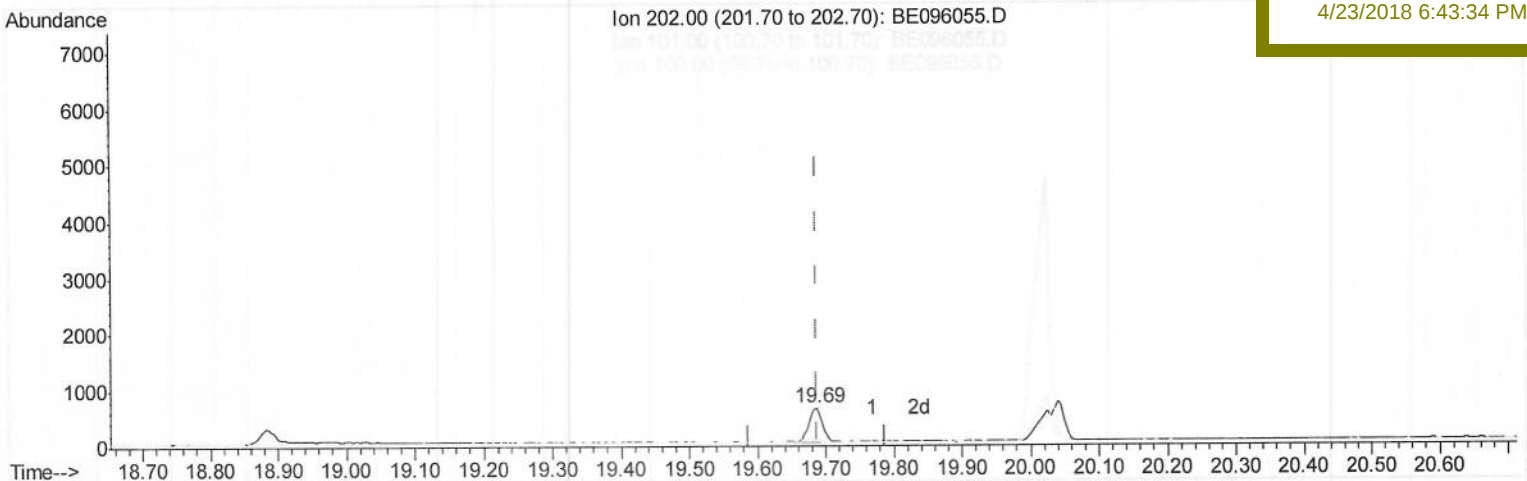
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096055.D
Acq On : 20 Apr 2018 23:39
Operator : SJ/JU
Sample : J2356-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 21 01:28:31 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A3XT7

Manual Integrations
APPROVED

Sohil
4/23/2018 6:43:34 PM



(15) Fluoranthene (C)

19.687min (-0.000) 0.03ng/ul m

response 829

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	16.77
100.00	19.50	15.73
0.00	0.00	0.00

SJ
04/21/18

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

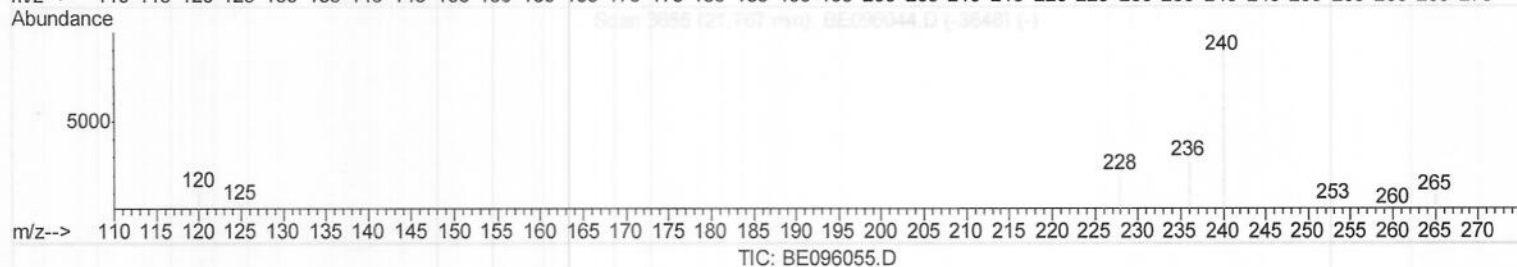
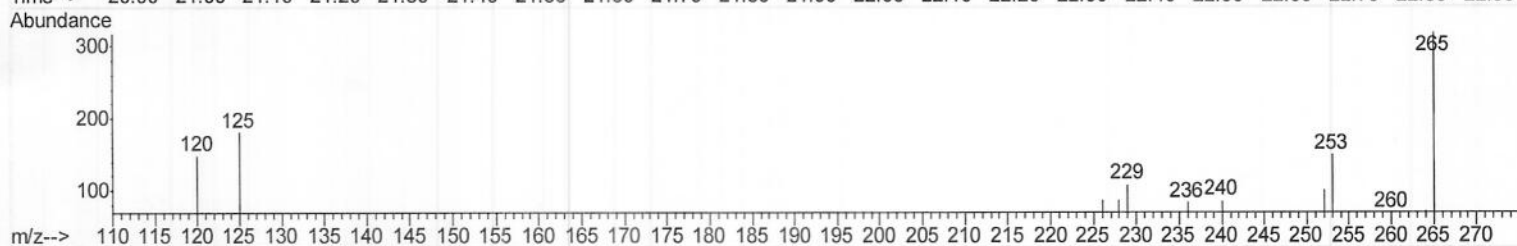
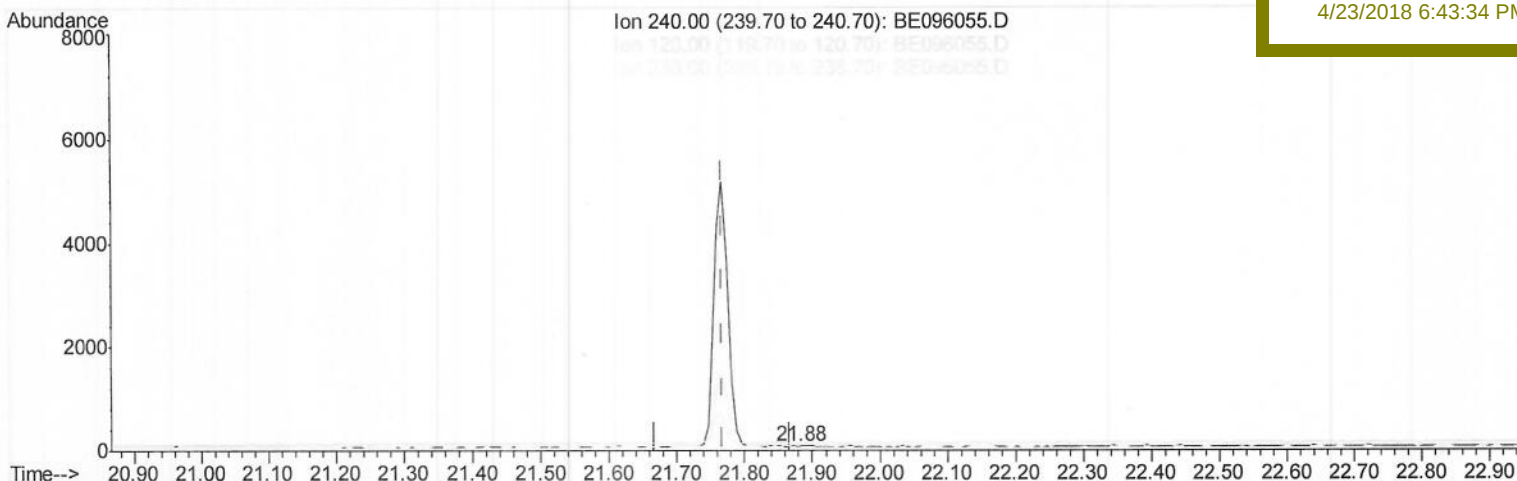
ClientSampleId :

A3XT7

Manual Integrations
APPROVED

Sohil

4/23/2018 6:43:34 PM



(16) Chrysene-d12 (I)

21.879min (+0.112) 0.40ng/ul

response 14

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	172.09#
236.00	34.90	96.51#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:08:59 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

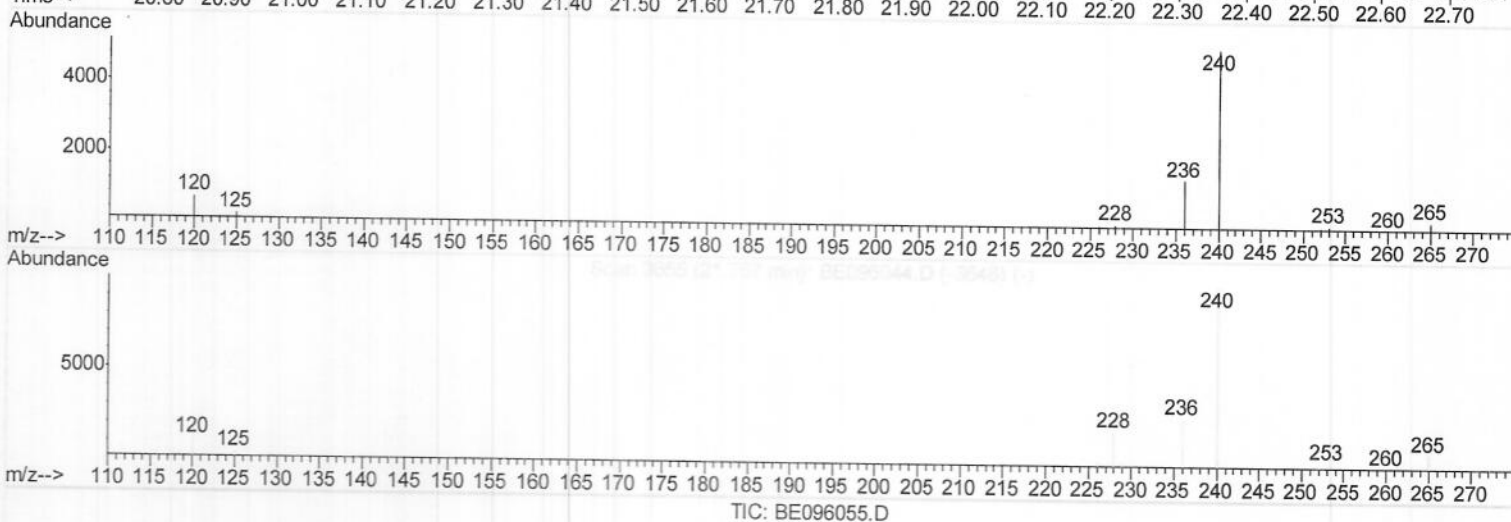
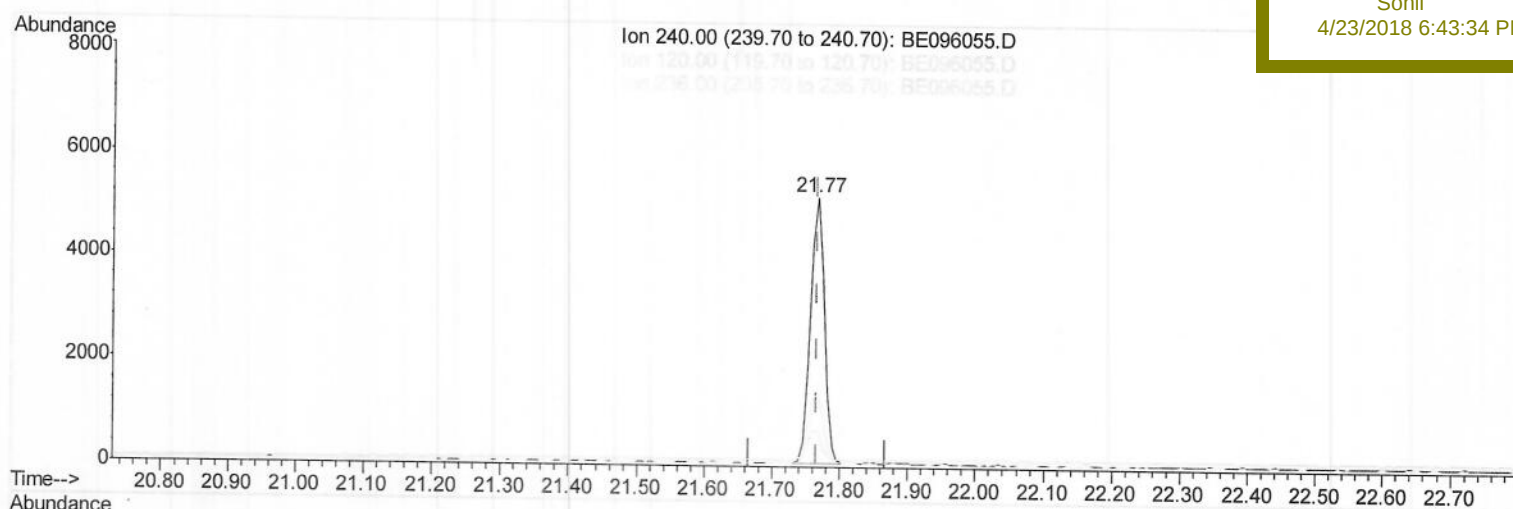
ClientSampleId :

A3XT7

Manual Integrations
APPROVED

Sohil

4/23/2018 6:43:34 PM



(16) Chrysene-d12 (I)

21.767min (-0.000) 0.40ng/ul m

response 7126

Ion Exp% Act%

240.00 100 100

120.00 20.60 13.18#

236.00 34.90 27.69#

0.00 0.00 0.00

57
04/21/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:10:34 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

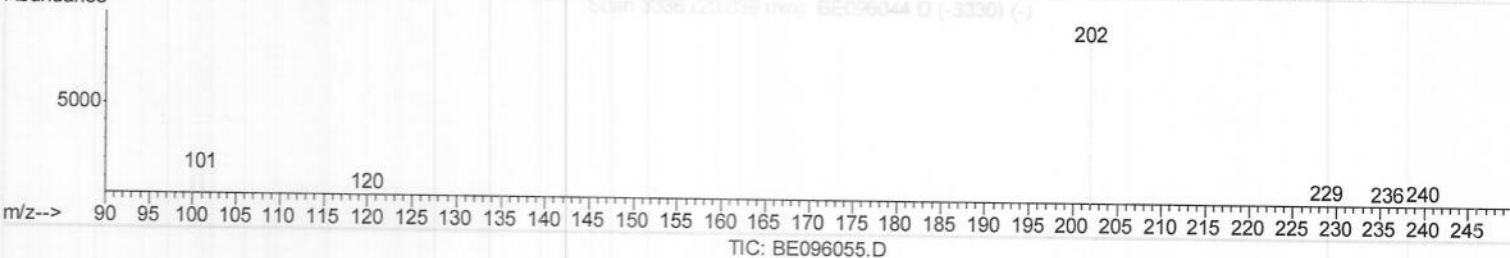
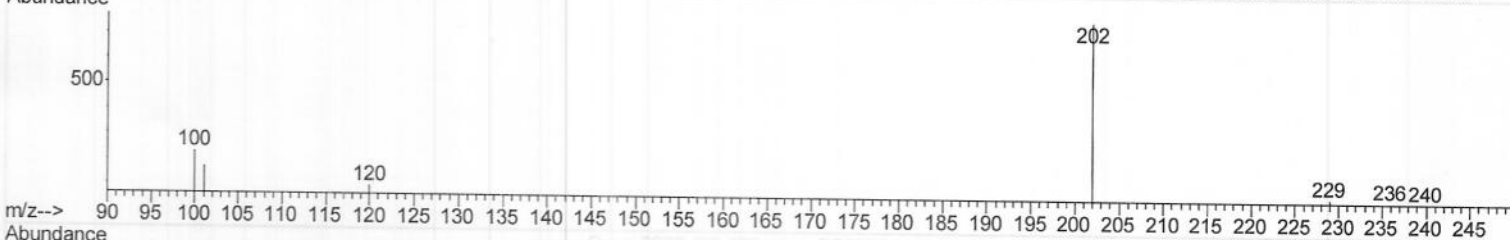
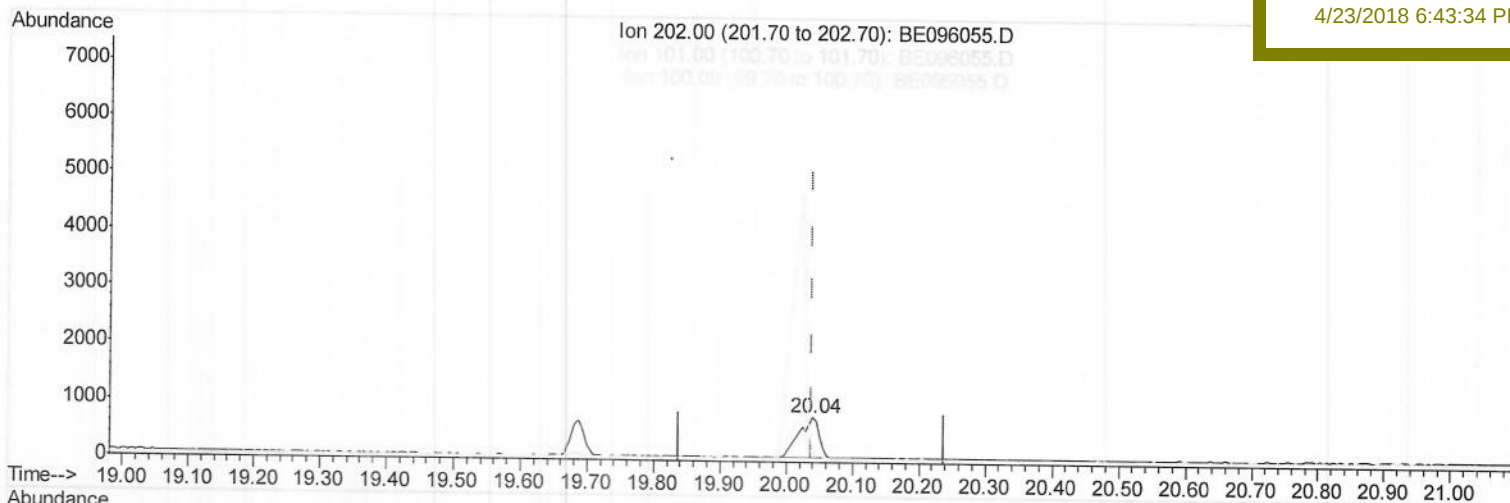
A3XT7

Manual Integrations

APPROVED

Sohil

4/23/2018 6:43:34 PM



(17) Pyrene

20.040min (+0.000) 0.05ng/ul

response 1264

Ion Exp% Act%

202.00 100 100

101.00 22.80 21.71

100.00 19.50 29.20#

0.00 0.00 0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:10:34 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

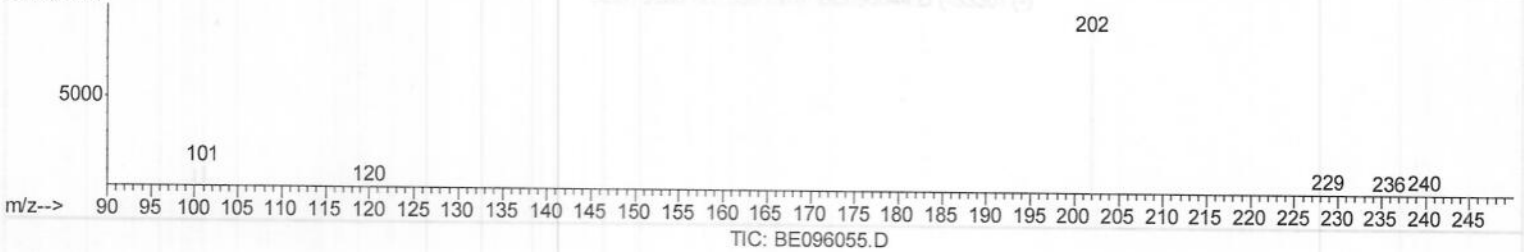
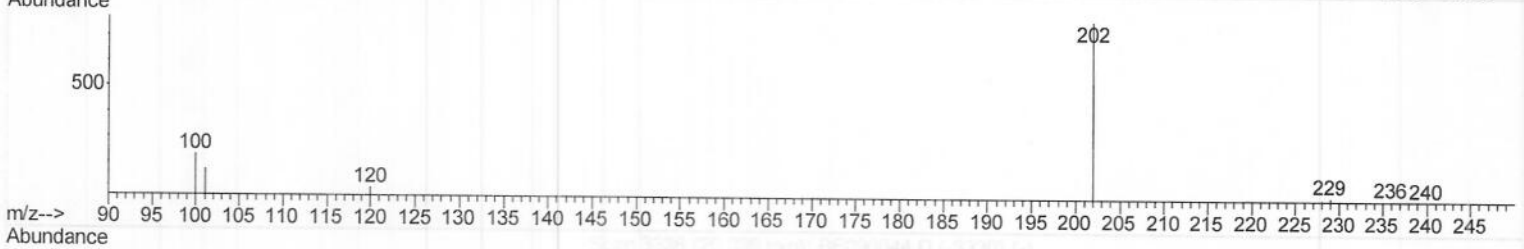
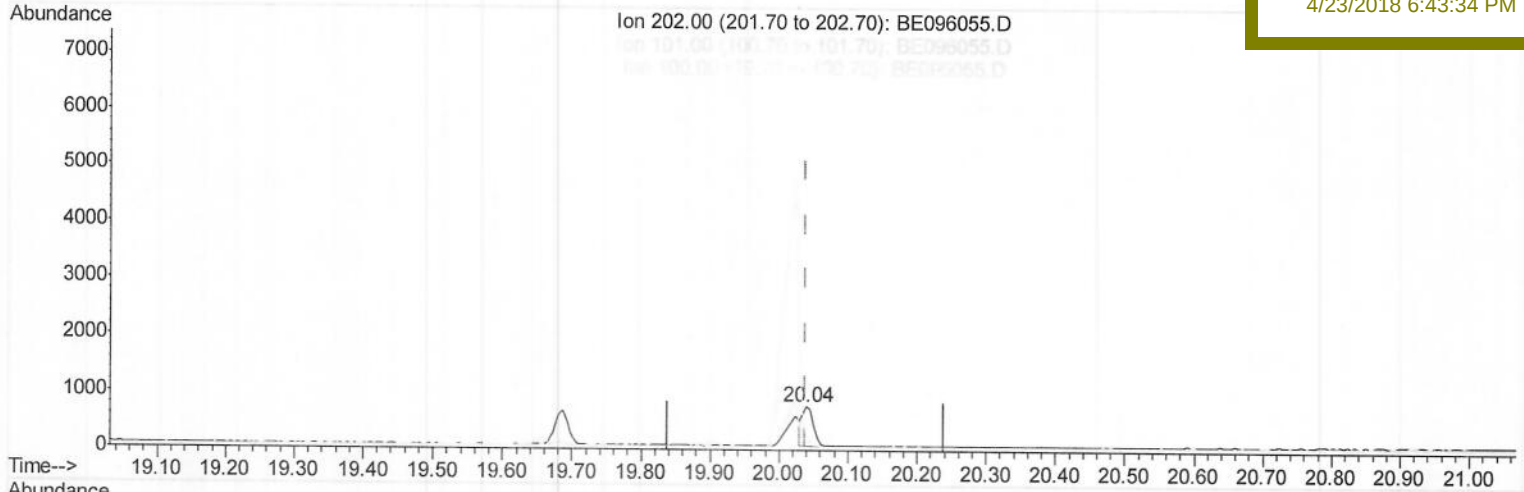
A3XT7

Manual Integrations

APPROVED

Sohil

4/23/2018 6:43:34 PM



(17) Pyrene

20.040min (+0.000) 0.03ng/ul m

response 759

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	21.71
100.00	19.50	29.20#
0.00	0.00	0.00

SJ
04/21/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:10:34 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

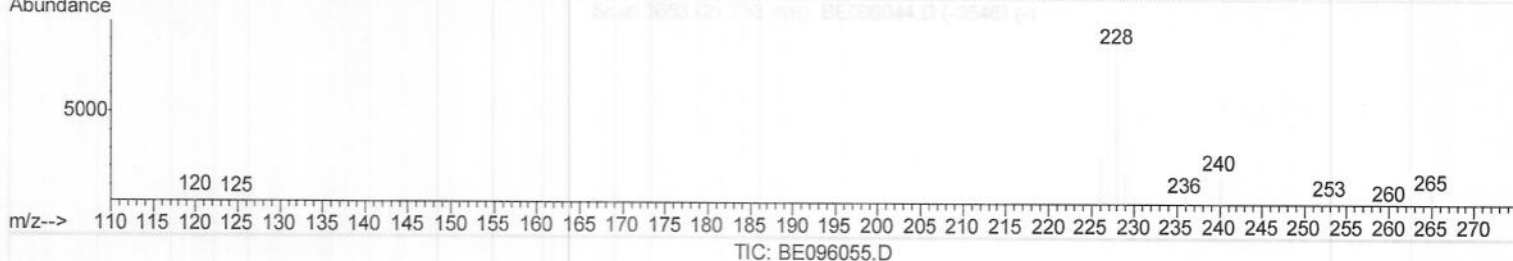
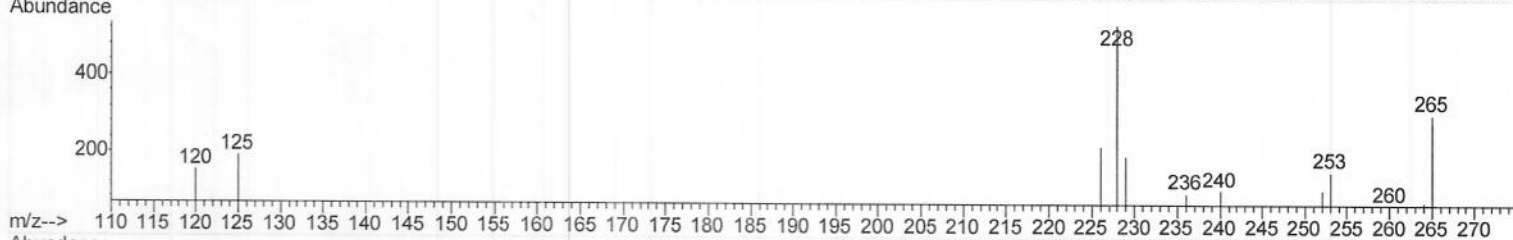
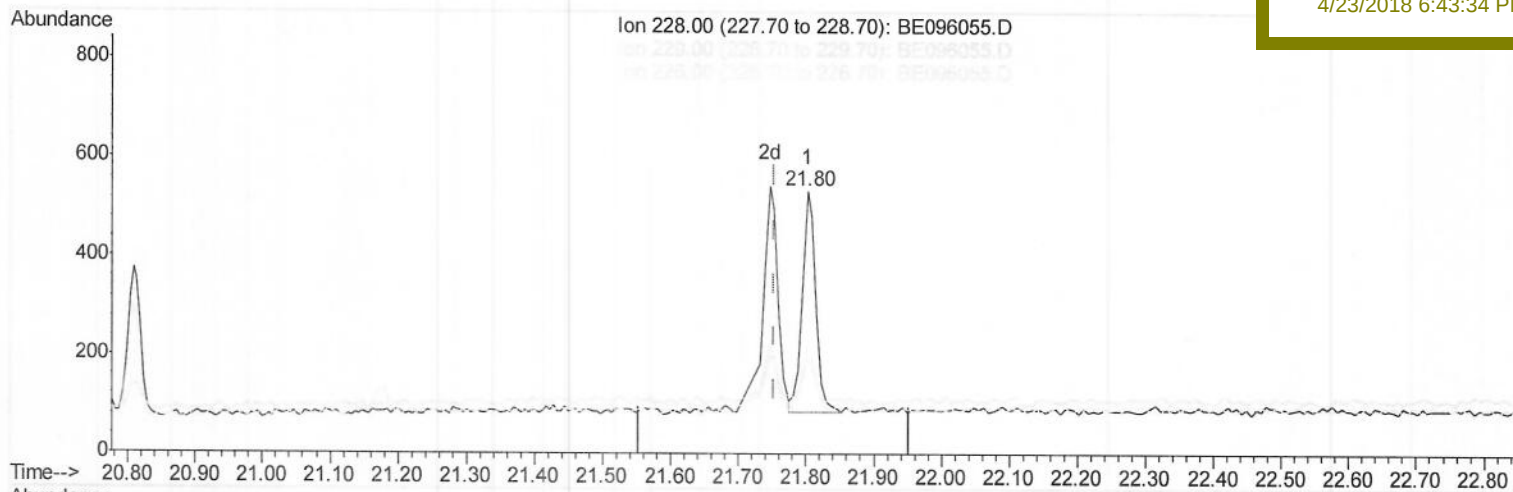
A3XT7

Manual Integrations

APPROVED

Sohil

4/23/2018 6:43:34 PM



(18) Benzo(a)anthracene

21.802min (+0.049) 0.02ng/ul

response 643

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	36.52#
226.00	21.30	41.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:10:34 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

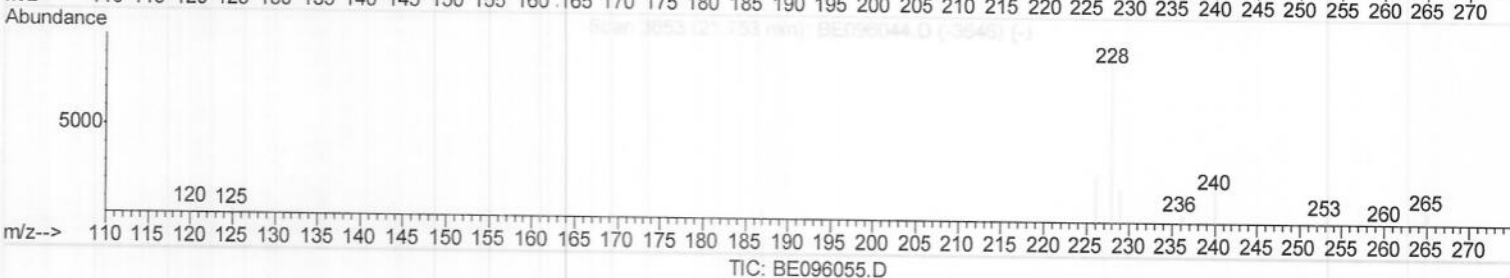
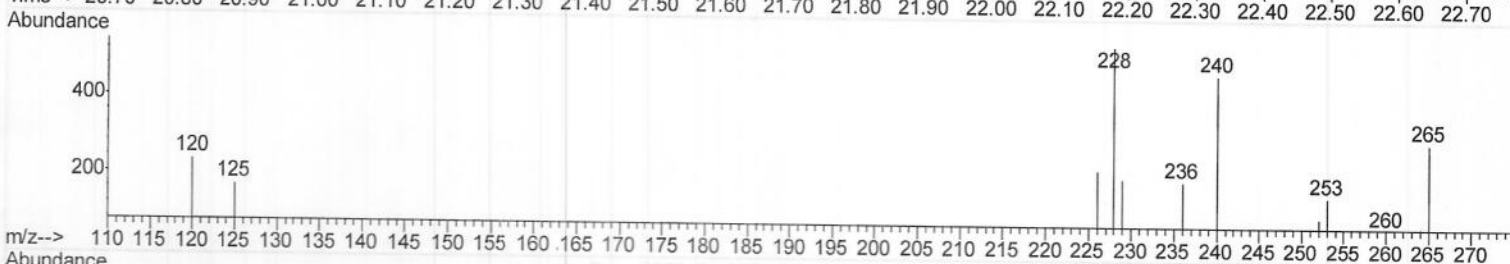
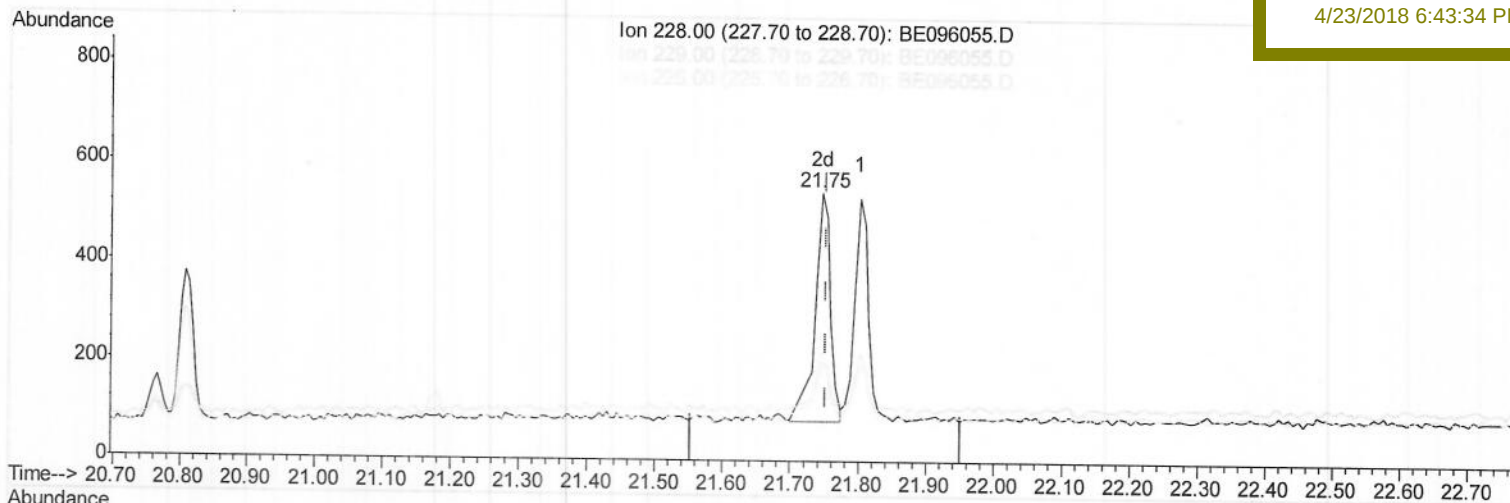
ClientSampleId :

A3XT7

Manual Integrations
APPROVED

Sohil

4/23/2018 6:43:34 PM



(18) Benzo(a)anthracene

21.746min (-0.007) 0.04ng/ul m

response 1026

Ion Exp% Act%

228.00 100 100

229.00 28.50 36.76#

226.00 21.30 40.99#

0.00 0.00 0.00

SJ
04/21/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:10:34 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

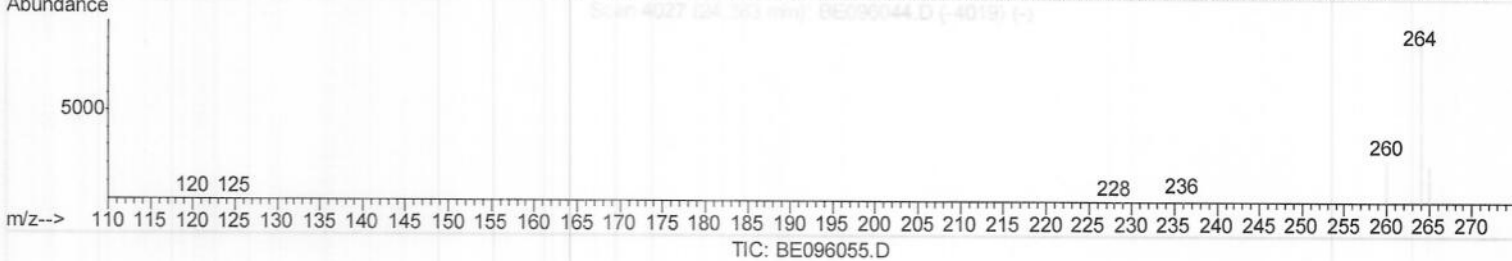
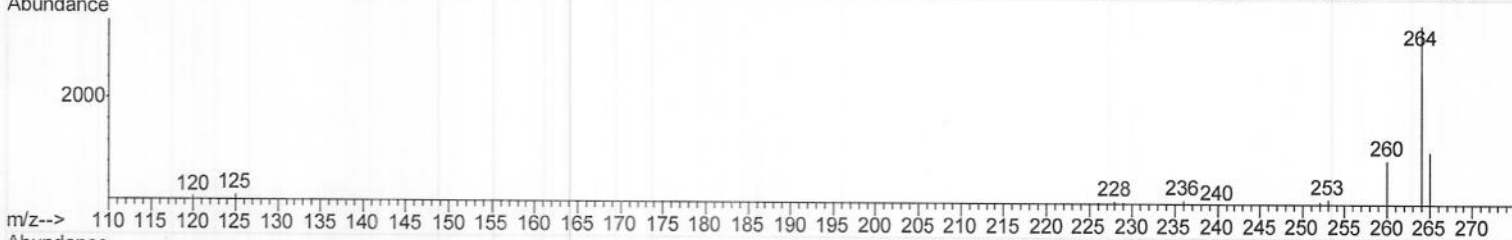
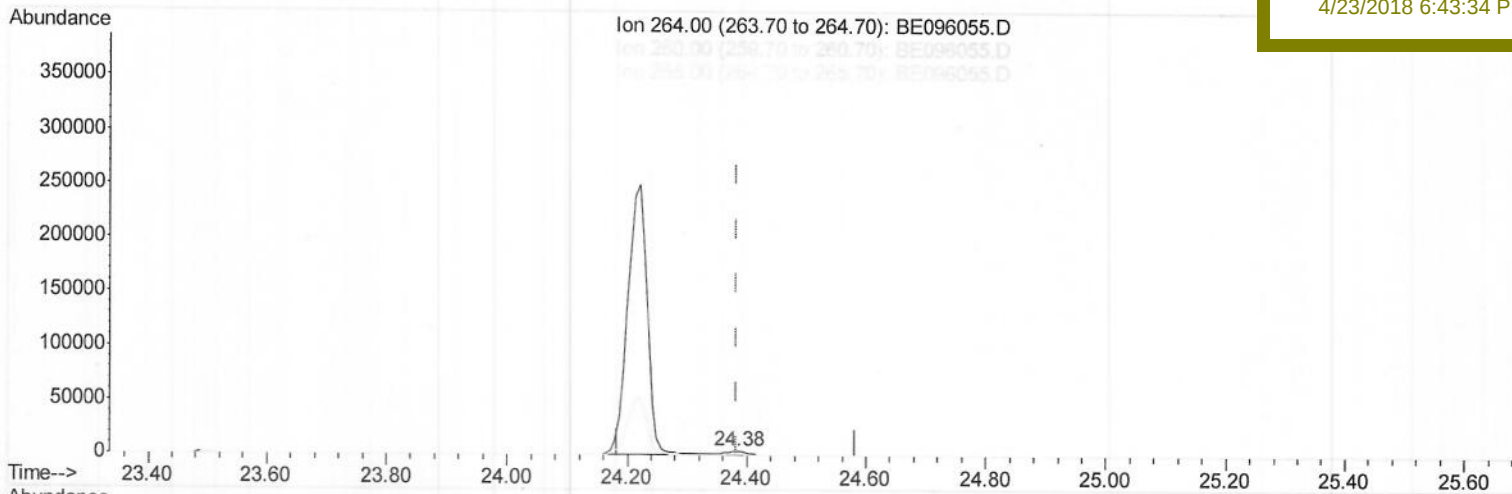
A3XT7

Manual Integrations

APPROVED

Sohil

4/23/2018 6:43:34 PM



(20) Perylene-d12 (I)

24.383min (-0.000) 0.40ng/ul

response 9808

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.57
265.00	103.50	30.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\

Data File : BE096055.D

Acq On : 20 Apr 2018 23:39

Operator : SJ/JU

Sample : J2356-14

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 02:10:34 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Apr 21 01:28:31 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

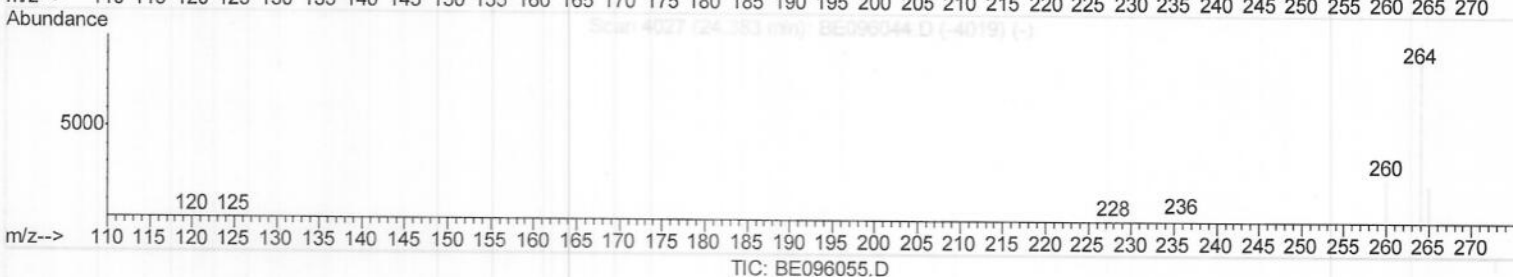
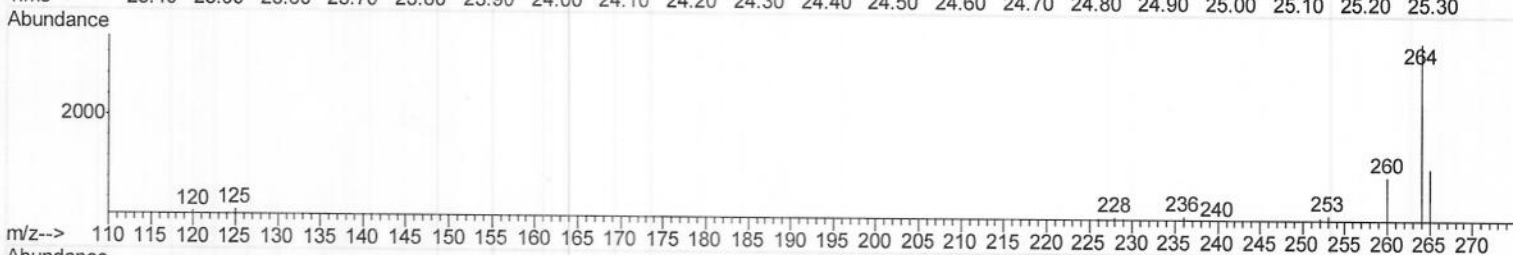
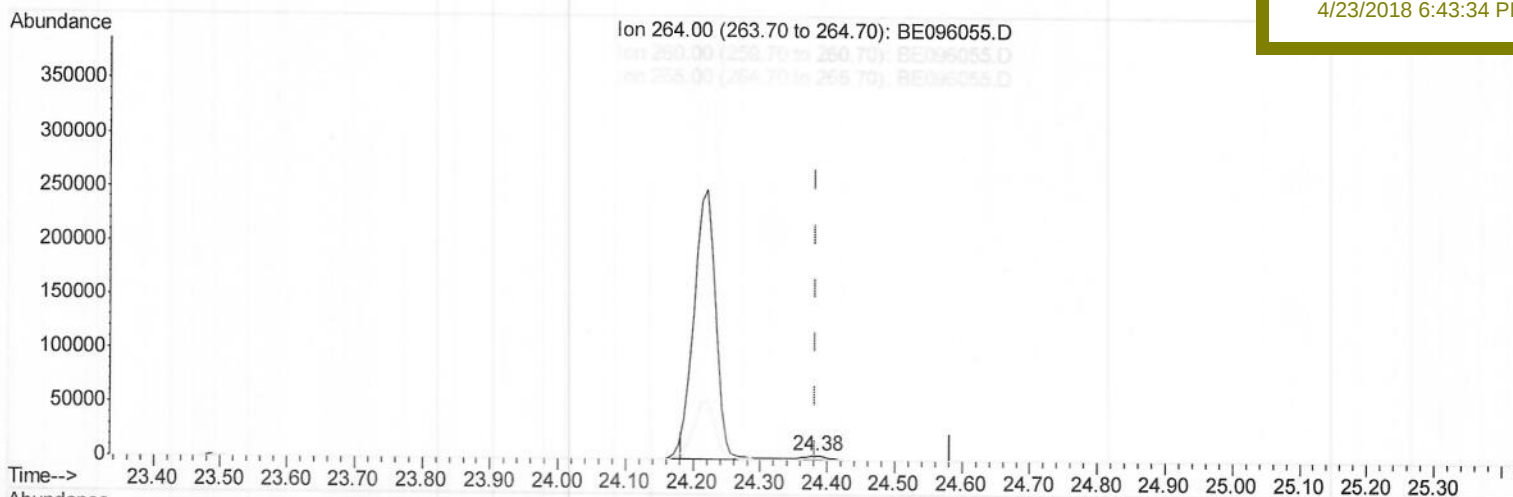
A3XT7

Manual Integrations

APPROVED

Sohil

4/23/2018 6:43:34 PM



(20) Perylene-d12 (I)

24.383min (-0.000) 0.40ng/ul m

response 7555

Ion Exp% Act%

264.00 100 100

260.00 30.10 26.57

265.00 103.50 30.87#

0.00 0.00 0.00

SJ
04/21/18

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096055.D
 Acq On : 20 Apr 2018 23:39
 Operator : SJ/JU
 Sample : J2356-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 13:59:33 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 21 01:28:31 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 A3XT7

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:43:34 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1952	0.40	ng/ul	0.00
2) Naphthalene-d8	11.21	136	5332	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	3263	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	7122m	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	7126m	0.40	ng/ul	0.00
20) Perylene-d12	24.38	264	7555m	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.76	152	3148	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.66	212	8829m	0.30	ng/ul	0.00

Target Compounds						
12) Phenanthrene	17.72	178	571m	0.027	ng/ul	Ovalue
13) Anthracene	17.80	178	486m	0.023	ng/ul	
15) Fluoranthene	19.69	202	829m	0.029	ng/ul	
17) Pyrene	20.04	202	759m	0.031	ng/ul	
18) Benzo(a)anthracene	21.75	228	1026m	0.036	ng/ul	
19) Chrysene	21.80	228	640	0.031	ng/ul#	74
21) Benzo(b)fluoranthene	23.57	252	629	0.026	ng/ul#	39
22) Benzo(k)fluoranthene	23.62	252	614	0.025	ng/ul#	42
23) Benzo(a)pyrene	24.26	252	472	0.020	ng/ul#	51
24) Indeno(1,2,3-cd)pyrene	27.17	276	654	0.025	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.18	278	496	0.023	ng/ul#	28

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

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 04/21/18