

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 01:48:07 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

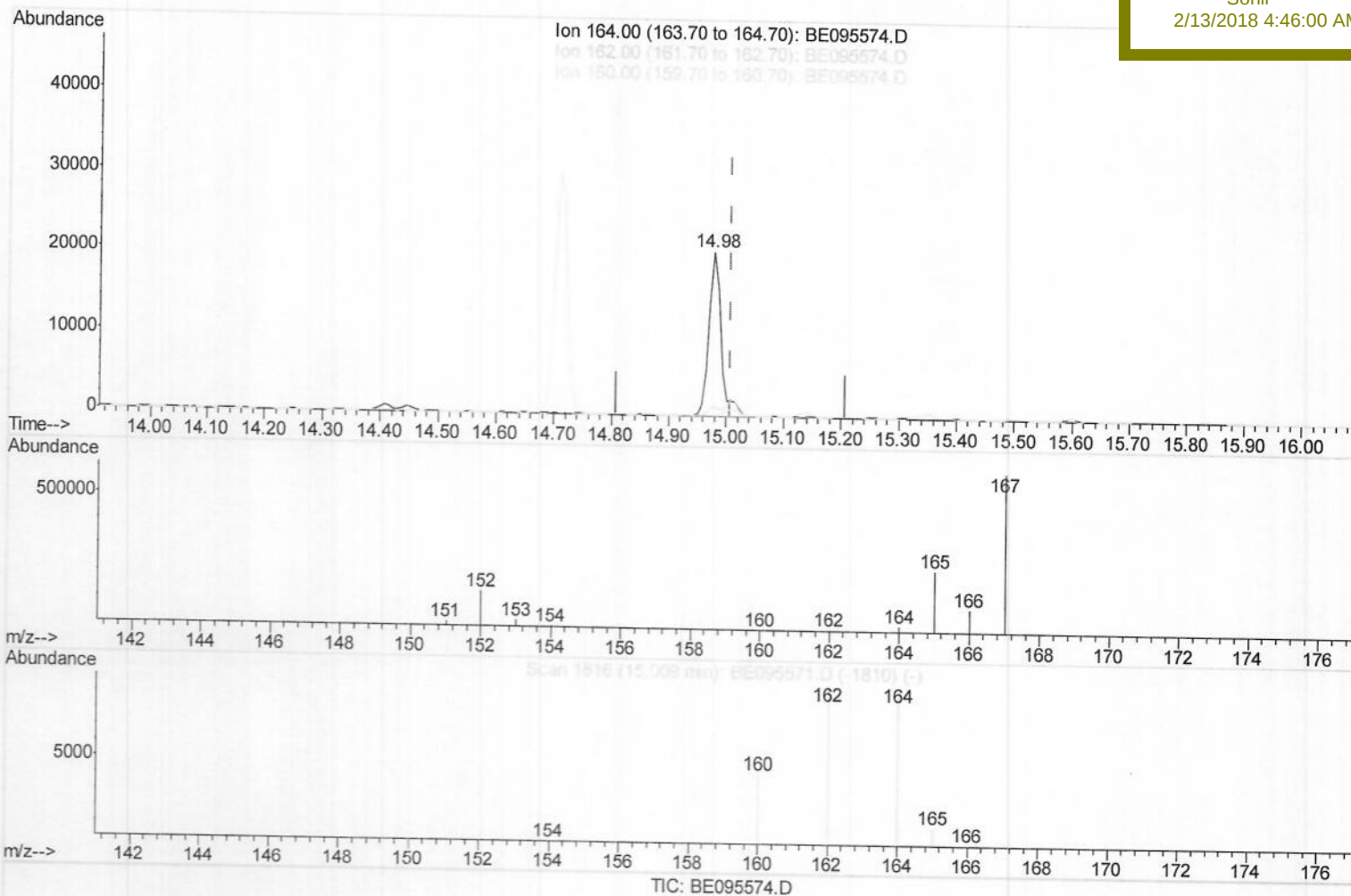
ClientSampleId :

F6C83DL

Manual Integrations
APPROVED

Sohil

2/13/2018 4:46:00 AM



(6) Acenaphthene-d10 (I)

14.979min (-0.030) 0.40ng/ul

response 30860

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	6.33#
160.00	48.80	0.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 01:48:07 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

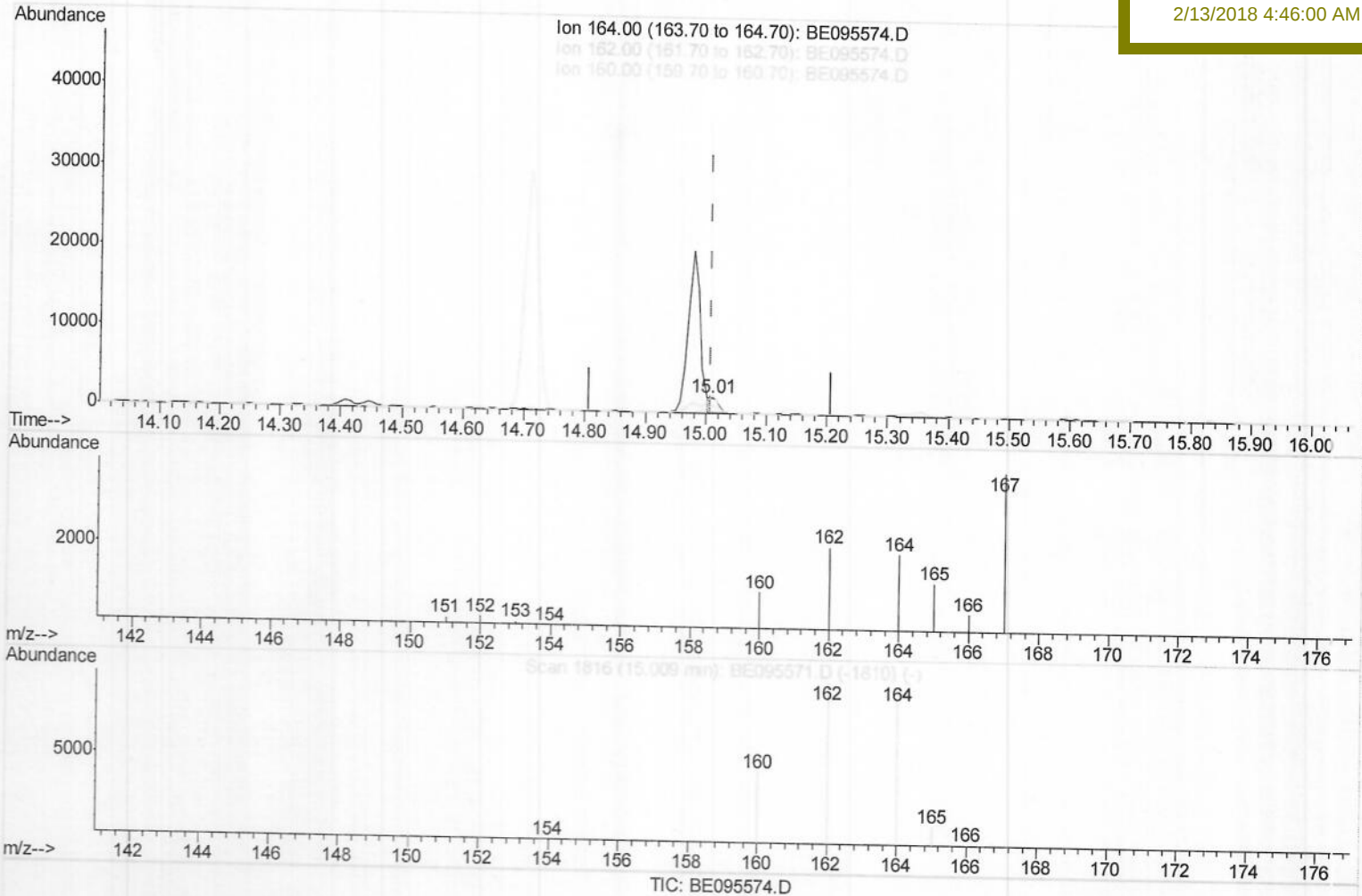
F6C83DL

Manual Integrations

APPROVED

Sohil

2/13/2018 4:46:00 AM



(6) Acenaphthene-d10 (I)

15.009min (+0.000) 0.40ng/ul m 25402113118

response 2136

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	107.35
160.00	48.80	50.08
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

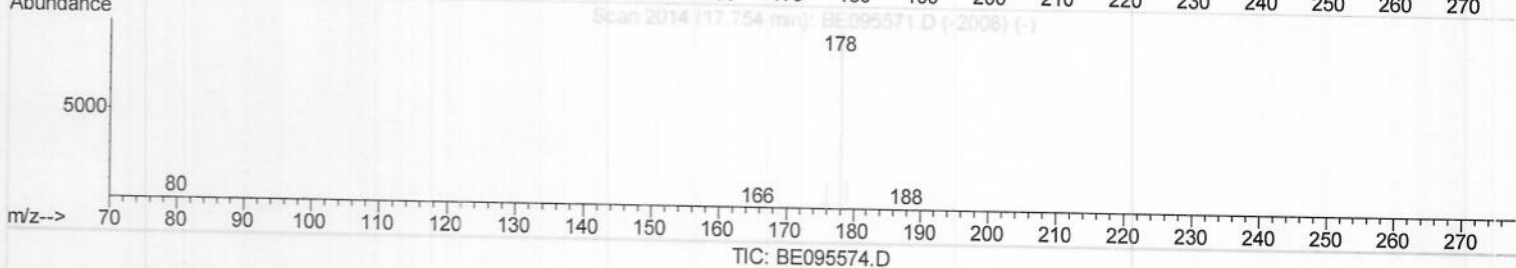
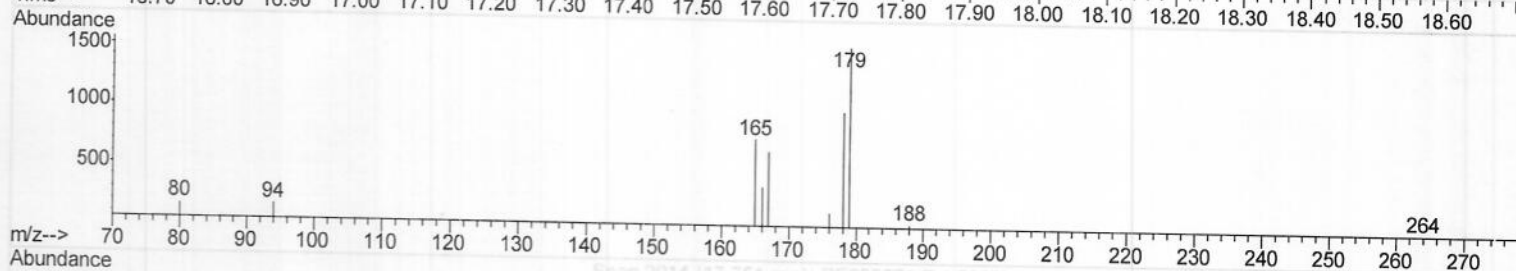
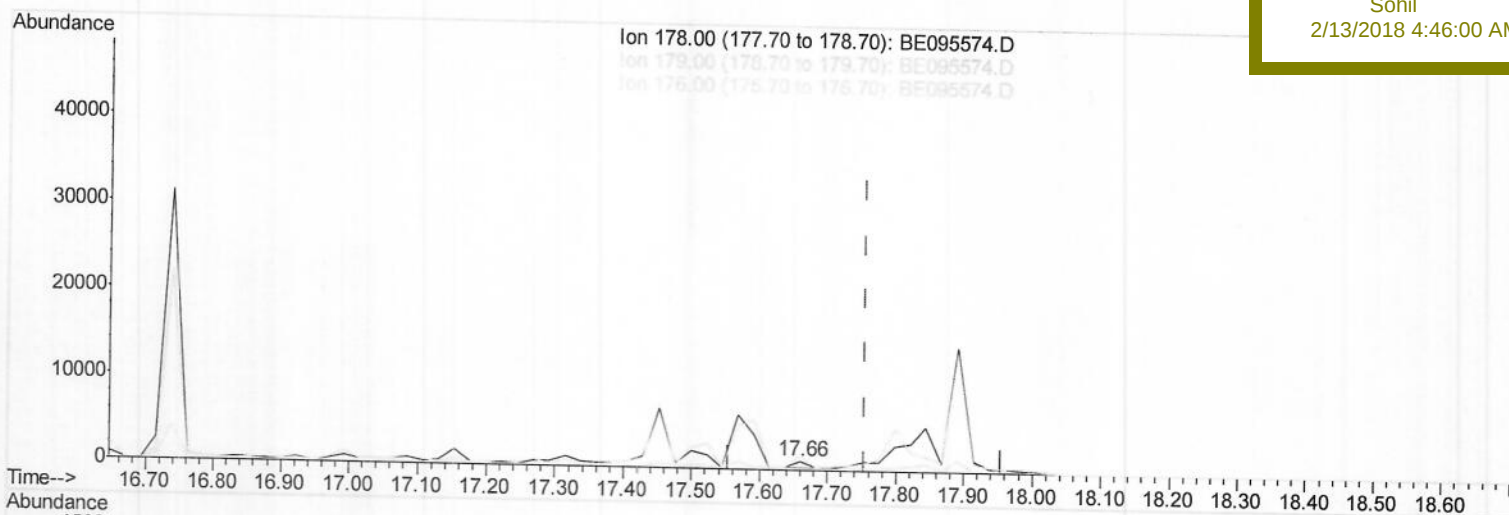
ClientSampleId :

F6C83DL

Manual Integrations
APPROVED

Sohil

2/13/2018 4:46:00 AM



(12) Phenanthrene

17.660min (-0.094) 0.04ng/ul

response 931

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	153.57#
176.00	17.00	15.87
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

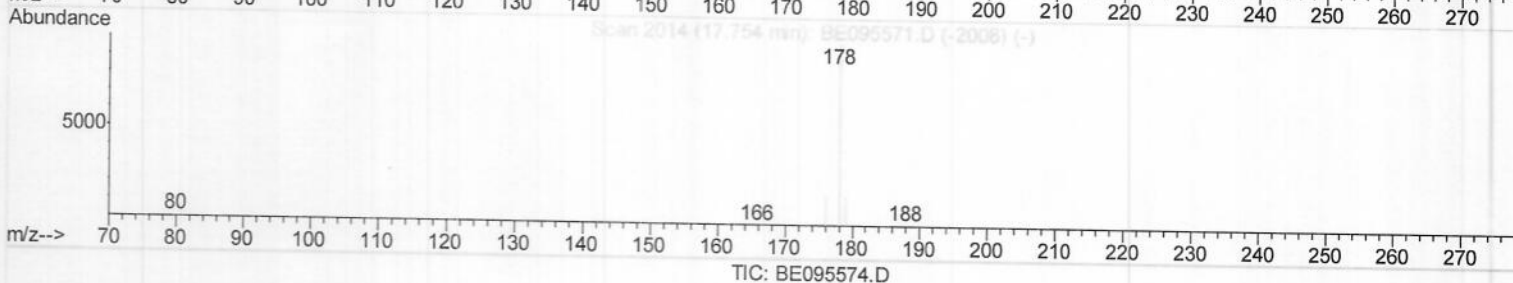
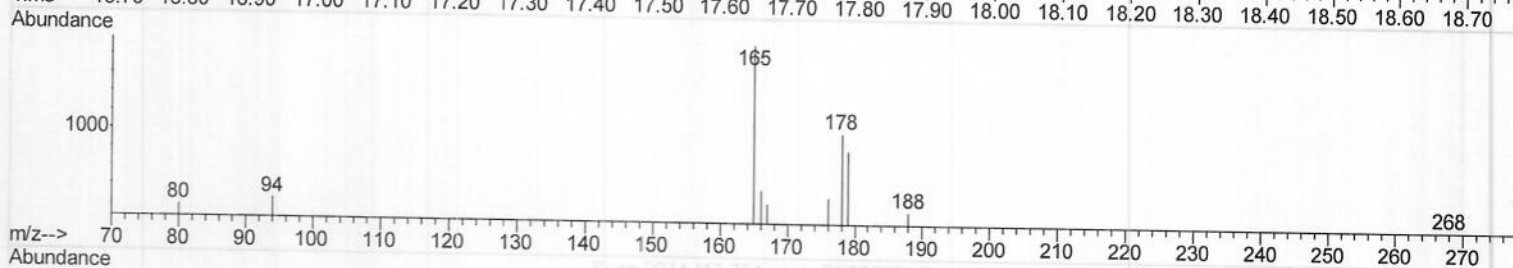
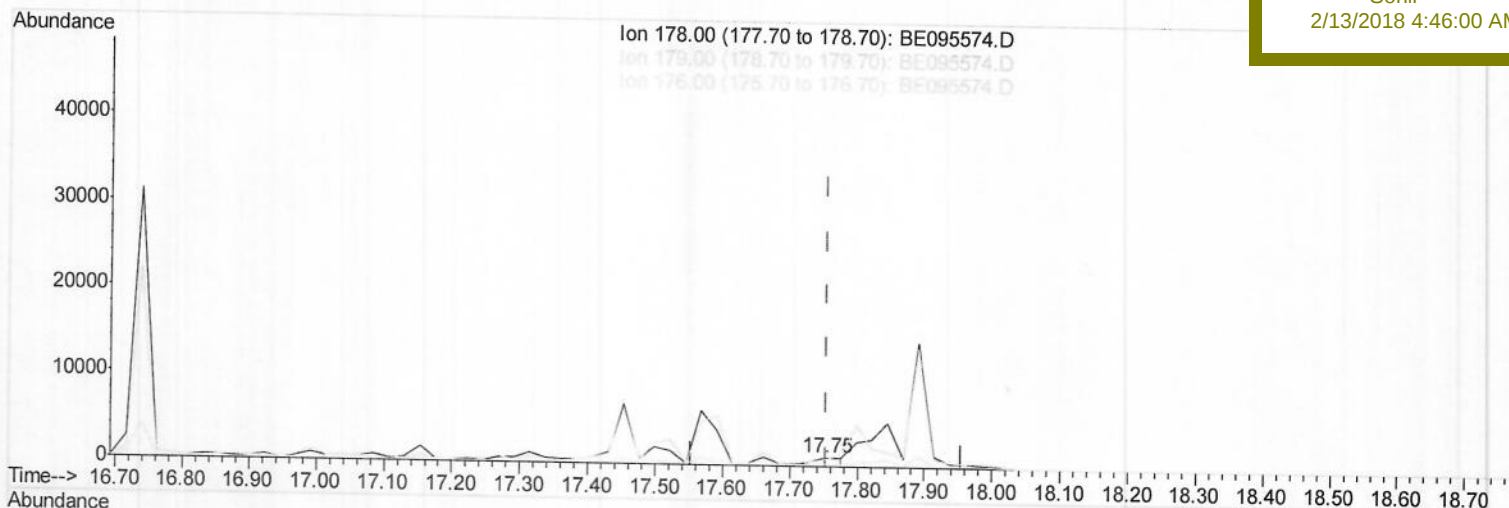
ClientSampleId :

F6C83DL

Manual Integrations
APPROVED

Sohil

2/13/2018 4:46:00 AM



(12) Phenanthrene

17.752min (-0.002) 0.11ng/ul m > 540213118

response 2407

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	81.45#
176.00	17.00	32.62#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

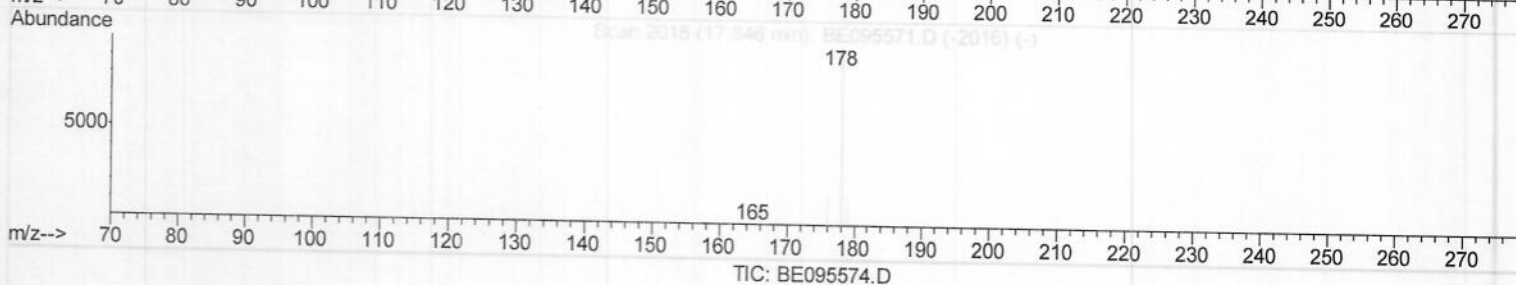
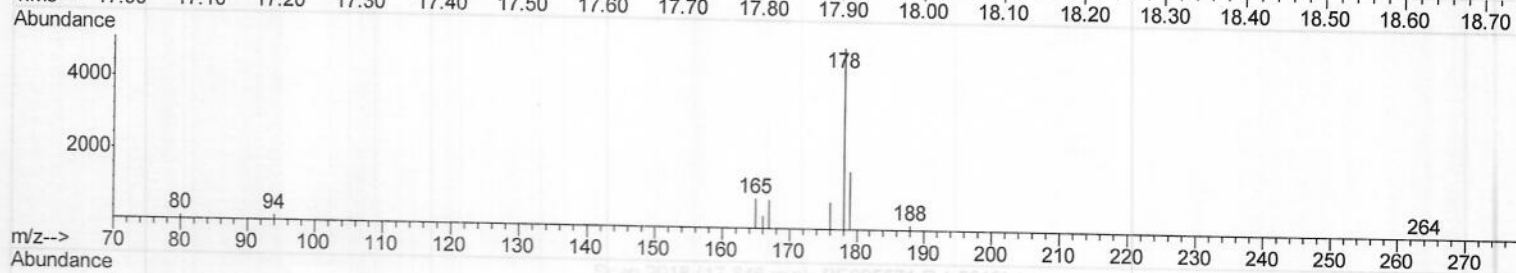
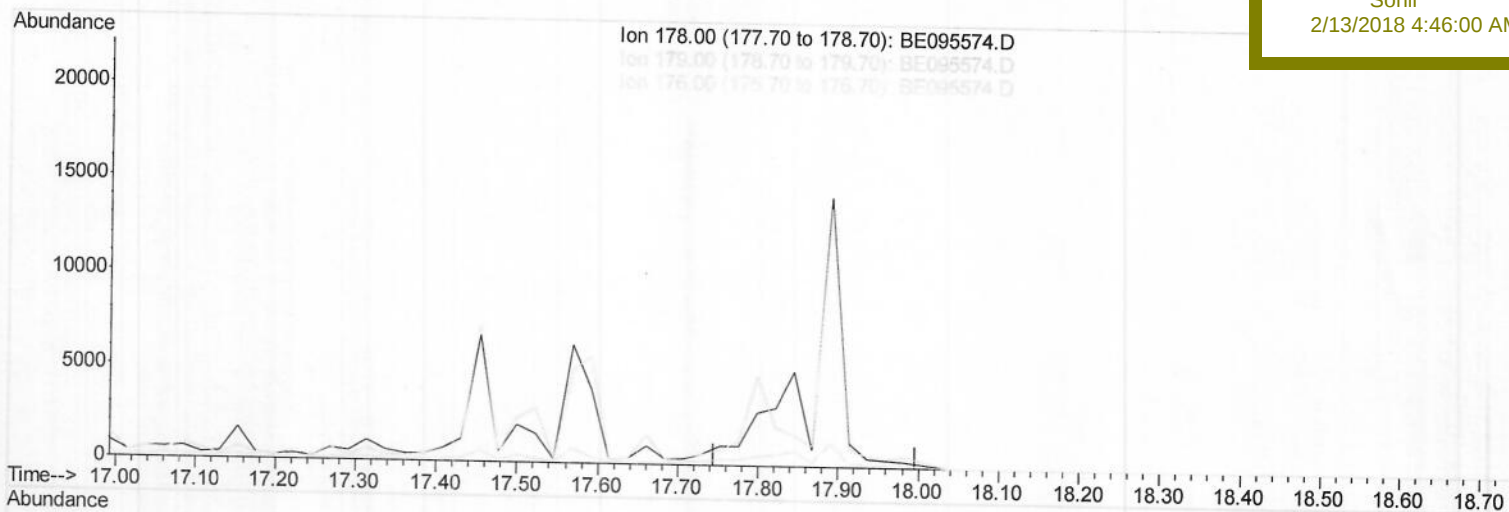
F6C83DL

Manual Integrations

APPROVED

Sohil

2/13/2018 4:46:00 AM



(13) Anthracene

17.846min (-17.846) 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\BE020818\
Data File : BE095574.D
Acq On : 8 Feb 2018 18:07
Operator : SJ/JU
Sample : J1315-20DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 09 01:31:22 2018
Response via : Initial Calibration

Instrument :

BNA_E

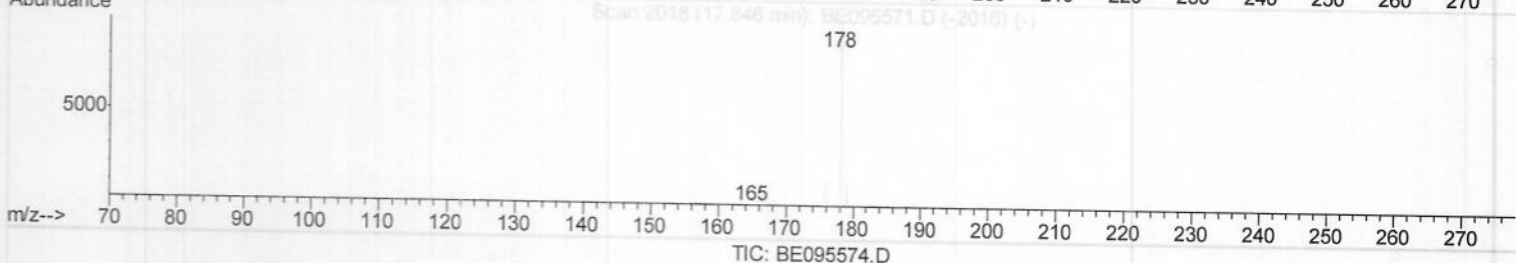
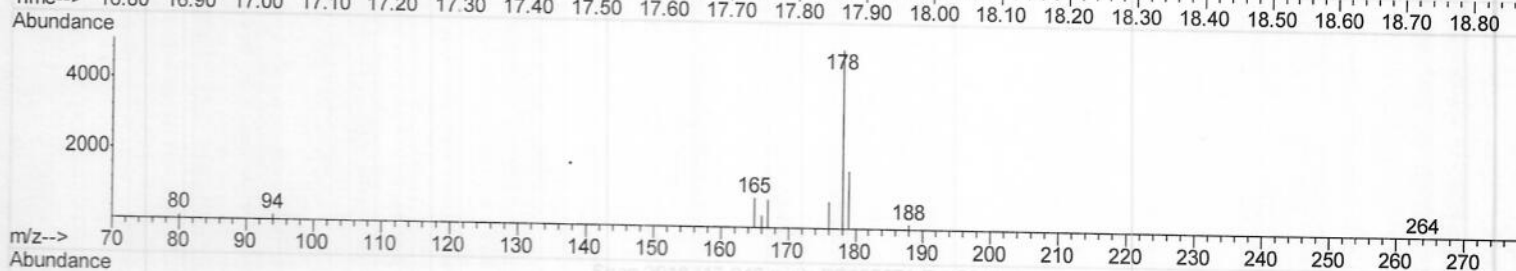
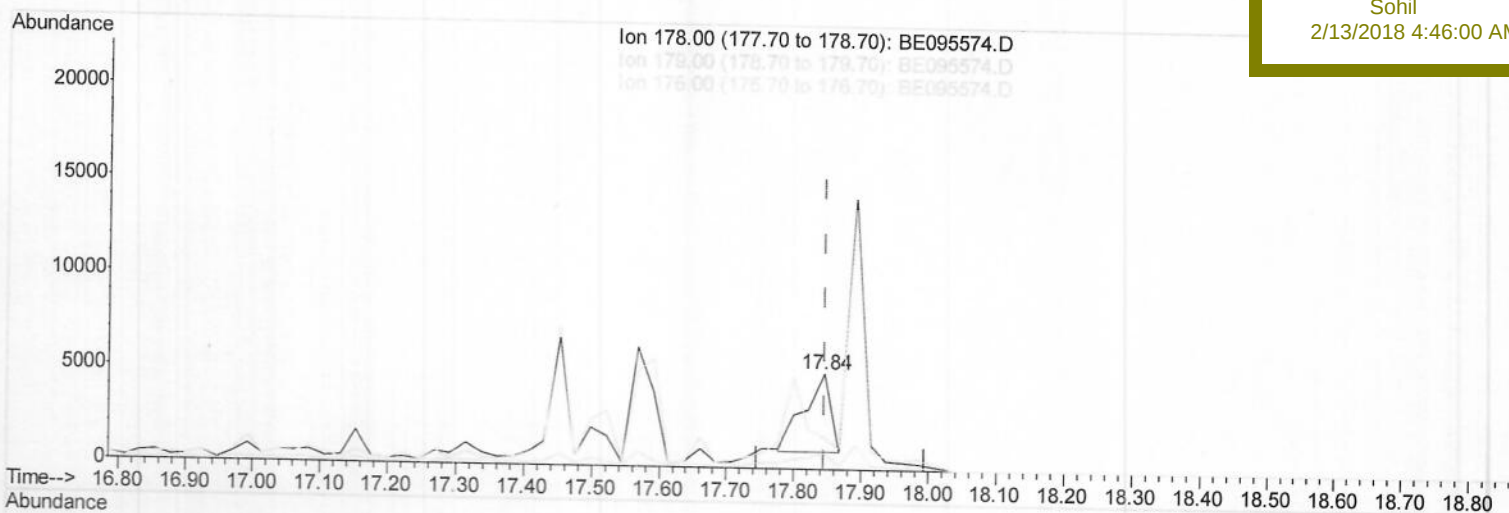
ClientSampled :

F6C83DL

Manual Integrations
APPROVED

Sohil

2/13/2018 4:46:00 AM



(13) Anthracene

17.845min (-0.002) 0.57ng/ul m S JY02113118

response 11386

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	33.26#
176.00	18.40	16.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

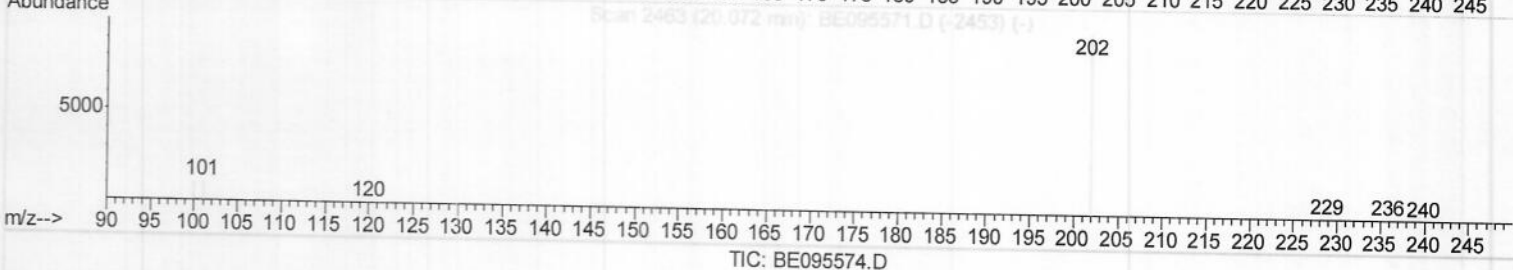
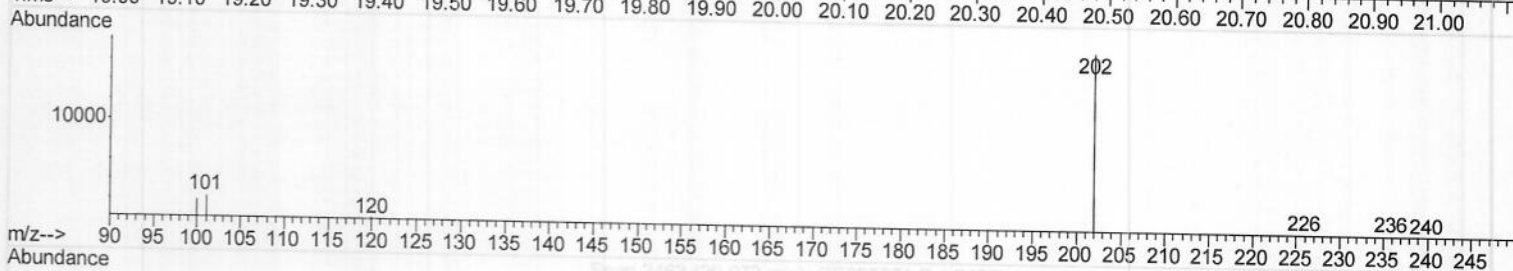
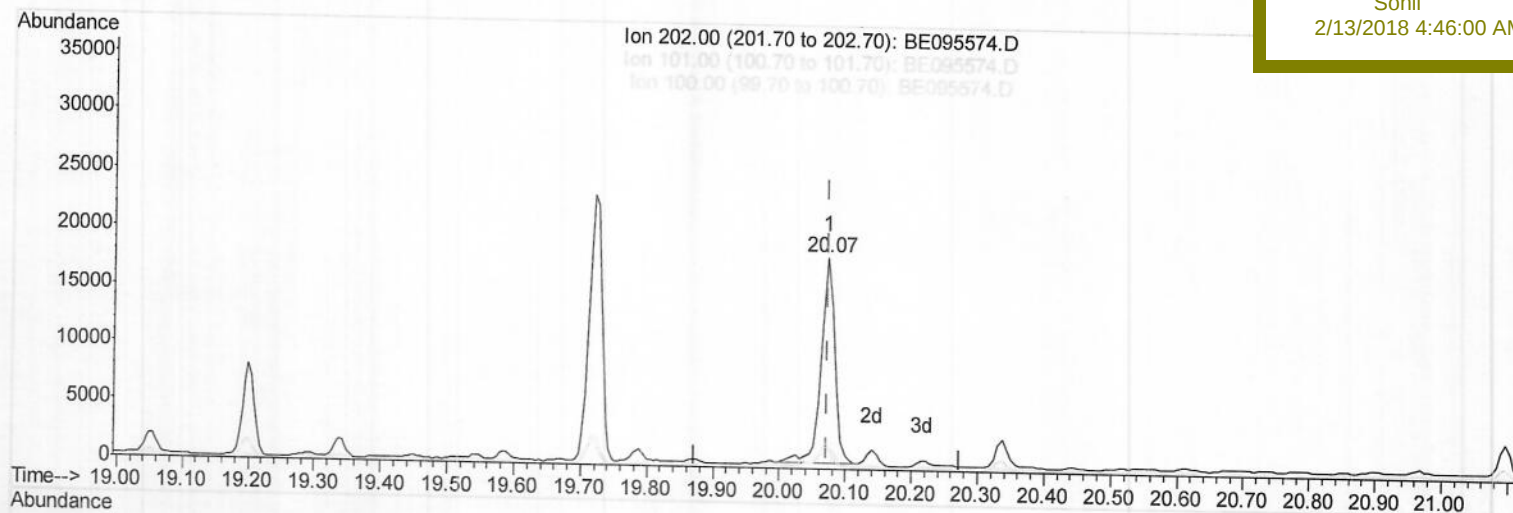
F6C83DL

Manual Integrations

APPROVED

Sohil

2/13/2018 4:46:00 AM



(17) Pyrene

20.072min (-0.000) 1.30ng/ul

response 29120

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	12.31#
100.00	19.50	10.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

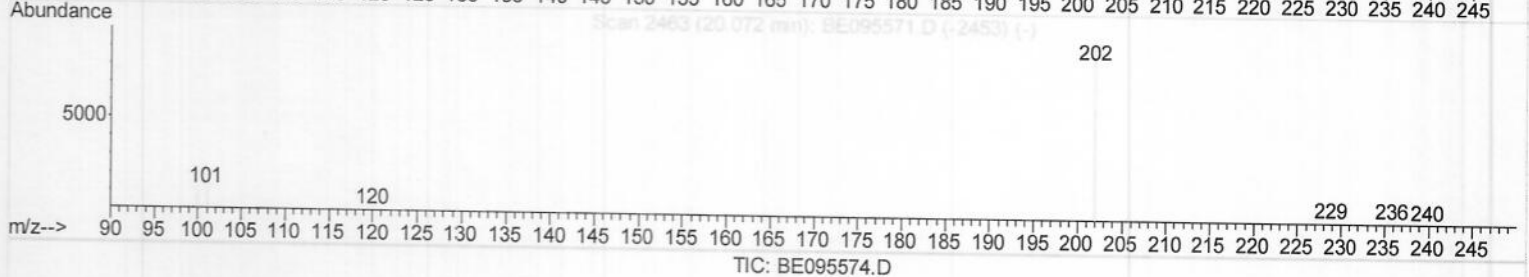
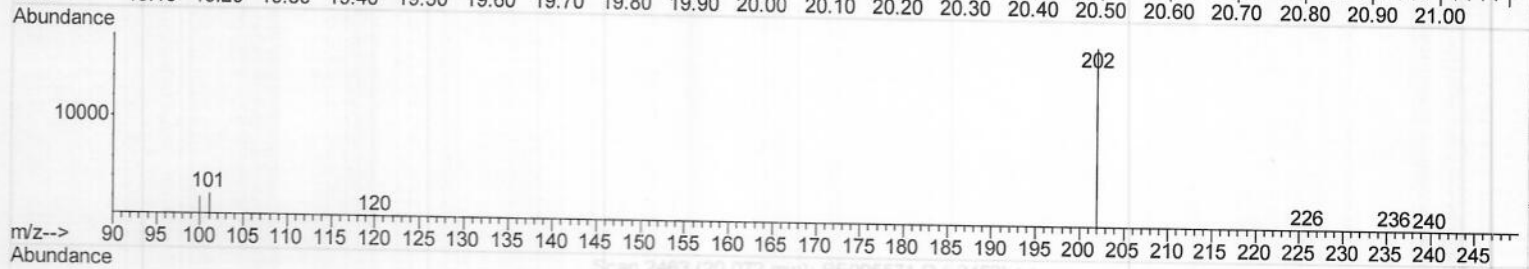
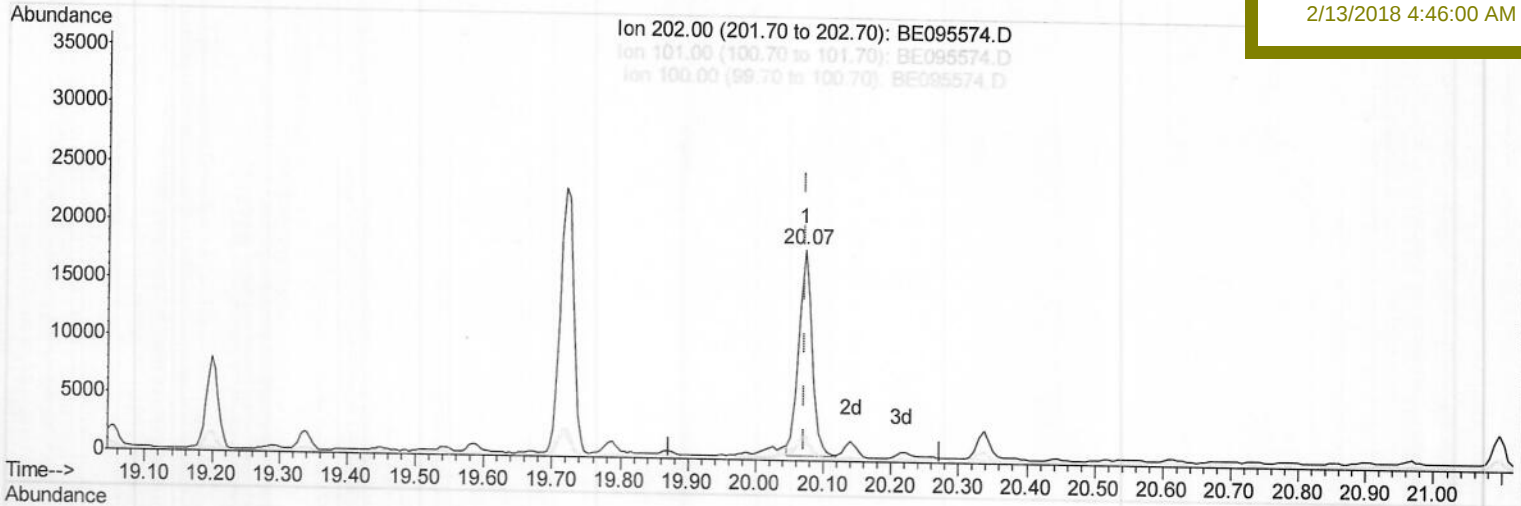
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
 Data File : BE095574.D
 Acq On : 8 Feb 2018 18:07
 Operator : SJ/JU
 Sample : J1315-20DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 01:31:22 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 F6C83DL

Manual Integrations
 APPROVED

Sohil
 2/13/2018 4:46:00 AM



(17) Pyrene

20.072min (-0.000) 1.08ng/ul m > 54 02/13/18

response 24105

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	12.31#
100.00	19.50	10.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
 Data File : BE095574.D
 Acq On : 8 Feb 2018 18:07
 Operator : SJ/JU
 Sample : J1315-20DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 01:31:22 2018
 Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

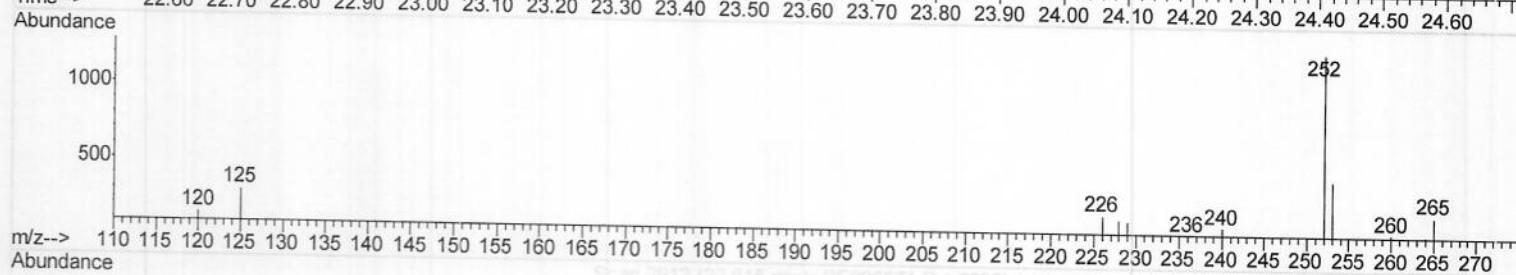
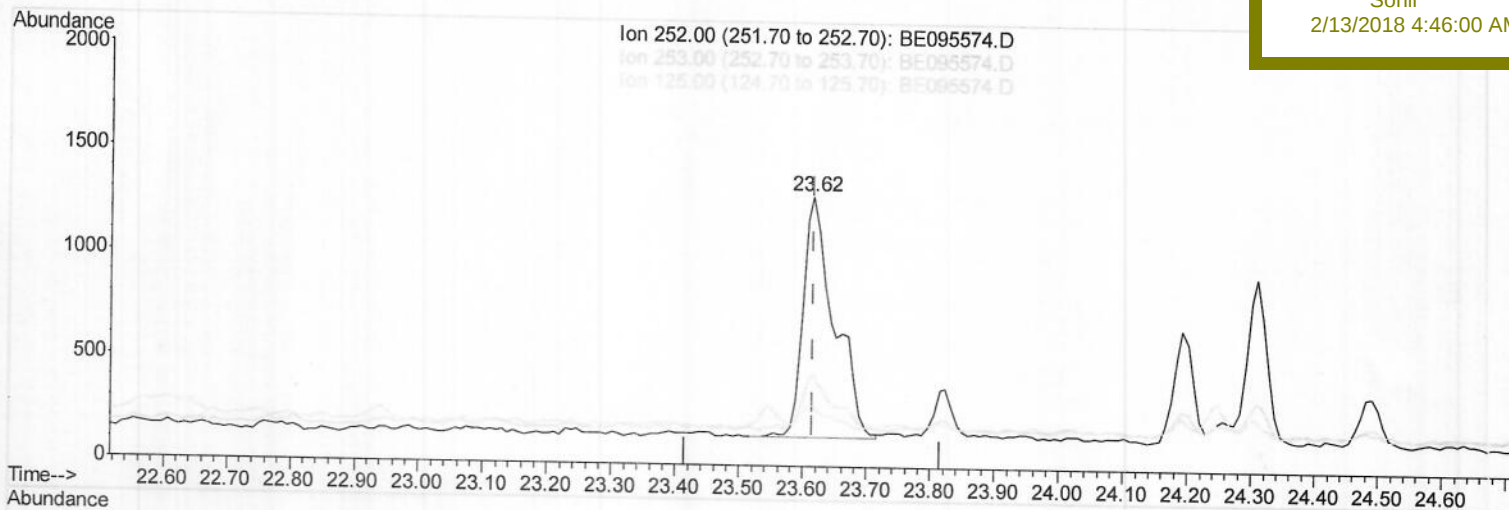
F6C83DL

Manual Integrations

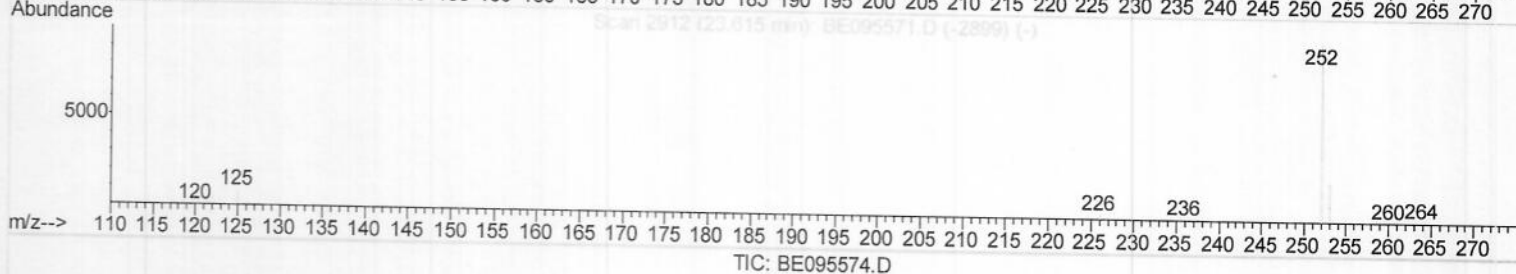
APPROVED

Sohil

2/13/2018 4:46:00 AM



Scan 2912 (23.615 min): BE095574.D (-2899) (-)



(21) Benzo(b)fluoranthene

23.616min (+0.001) 0.17ng/ul

response 3922

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	34.80
125.00	17.50	22.58
0.00	0.00	0.00

Quantitation Report (Qedit)

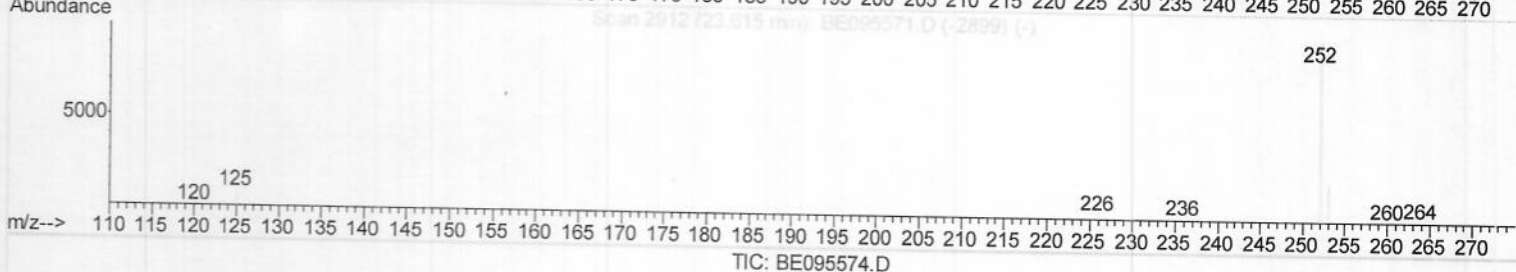
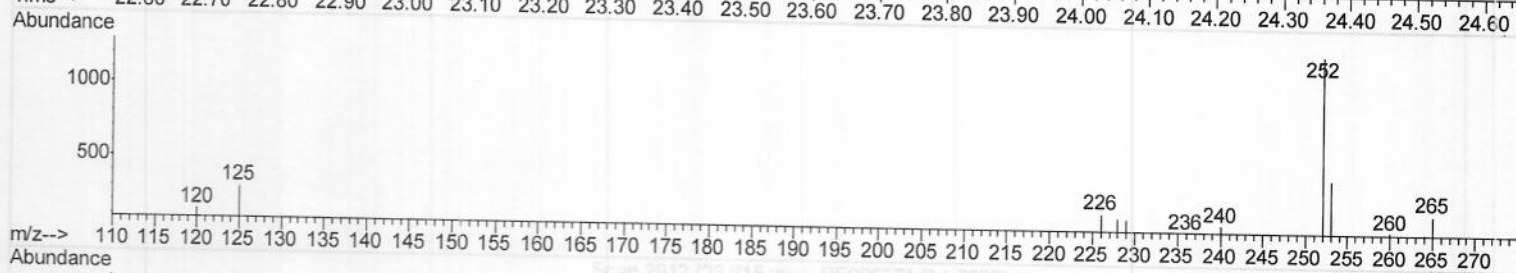
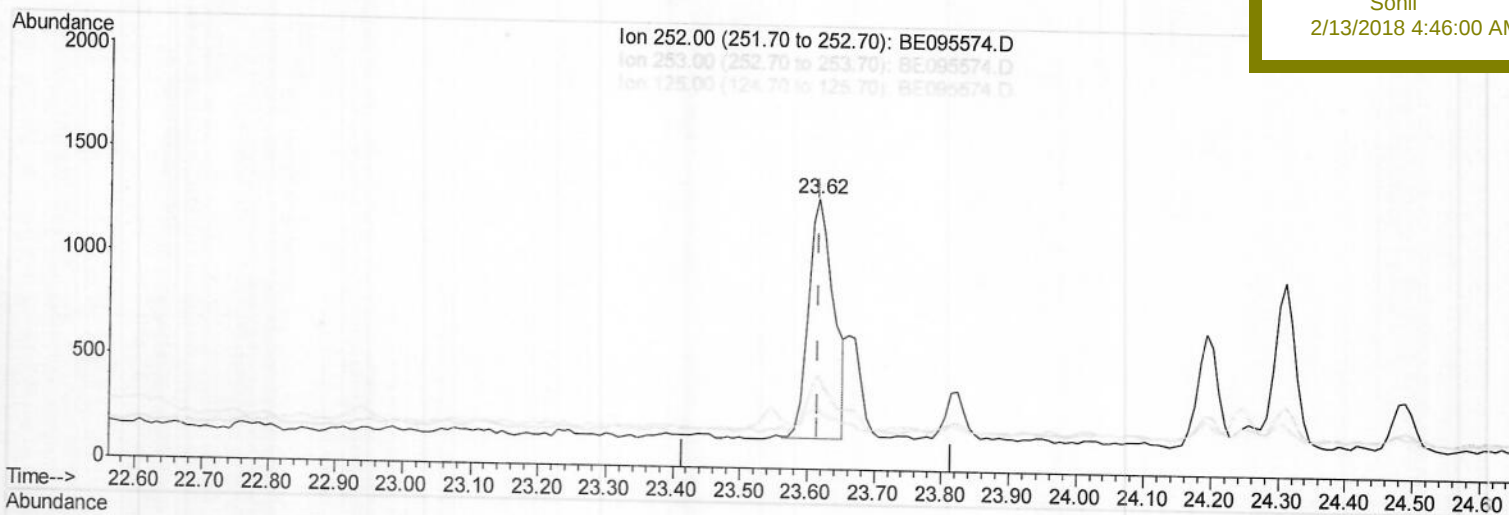
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
 Data File : BE095574.D
 Acq On : 8 Feb 2018 18:07
 Operator : SJ/JU
 Sample : J1315-20DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 01:31:22 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 F6C83DL

Manual Integrations
 APPROVED

Sohil
 2/13/2018 4:46:00 AM



(21) Benzo(b)fluoranthene

23.616min (+0.001) 0.13ng/ul m 54021318

response 3072

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	34.80
125.00	17.50	22.58
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

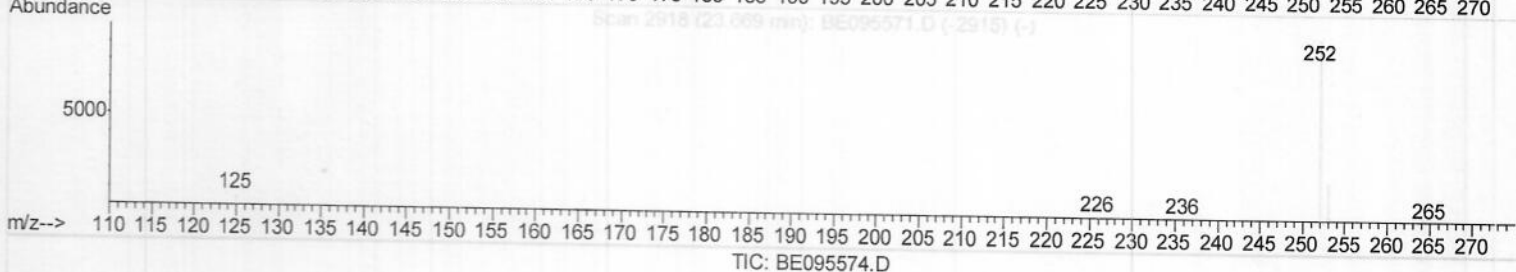
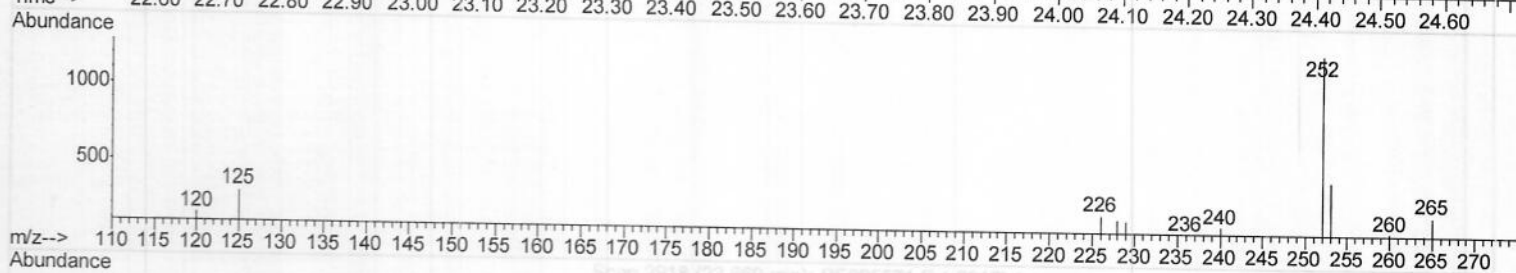
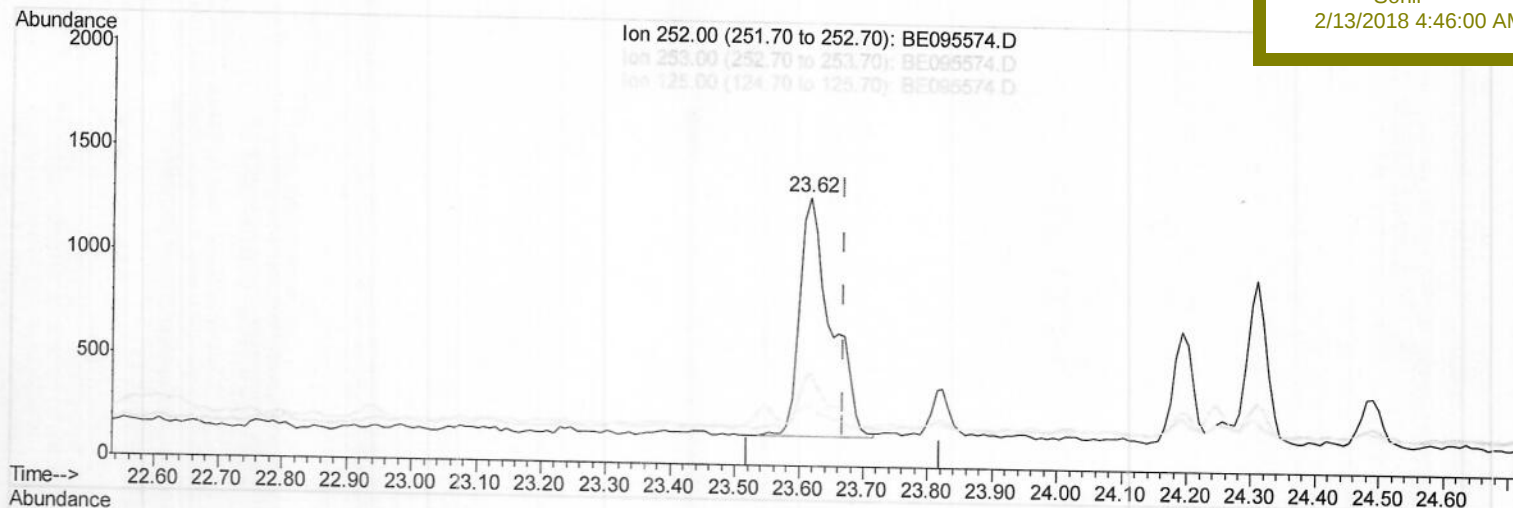
ClientSampleId :

F6C83DL

Manual Integrations
APPROVED

Sohil

2/13/2018 4:46:00 AM



(22) Benzo(k)fluoranthene

23.616min (-0.053) 0.18ng/ul

response 3898

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

252.00	100	100
--------	-----	-----

253.00	30.60	34.80
--------	-------	-------

125.00	17.10	22.58#
--------	-------	--------

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

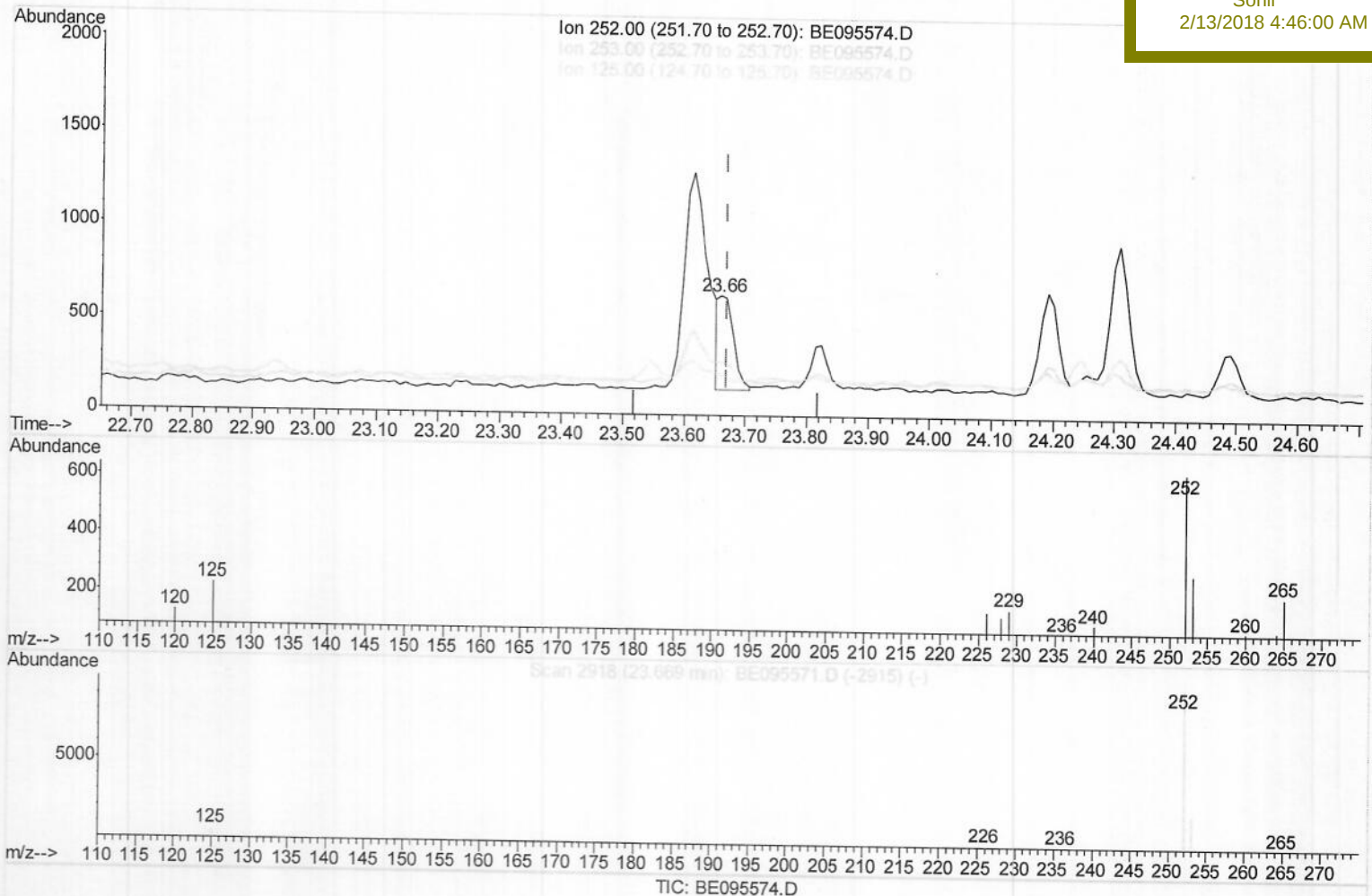
ClientSampleId :

F6C83DL

Manual Integrations
APPROVED

Sohil

2/13/2018 4:46:00 AM



(22) Benzo(k)fluoranthene

23.661min (-0.008) 0.04ng/ul m > 5402113118

response 776

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	45.16#
125.00	17.10	35.16#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

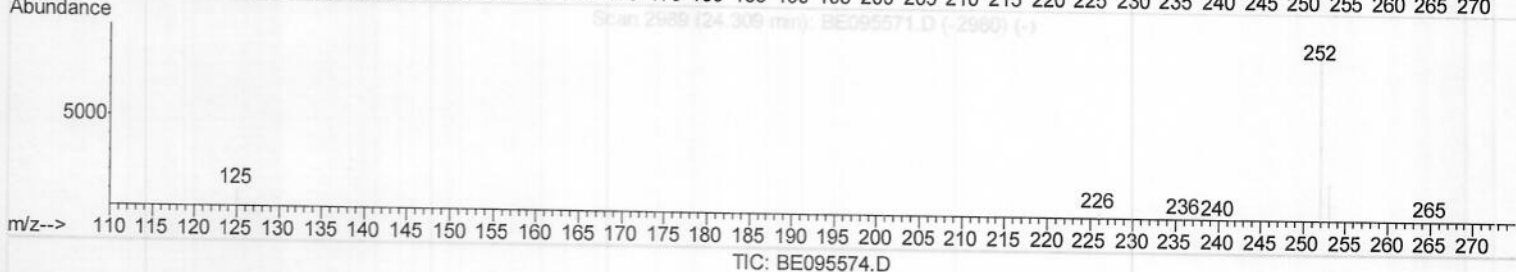
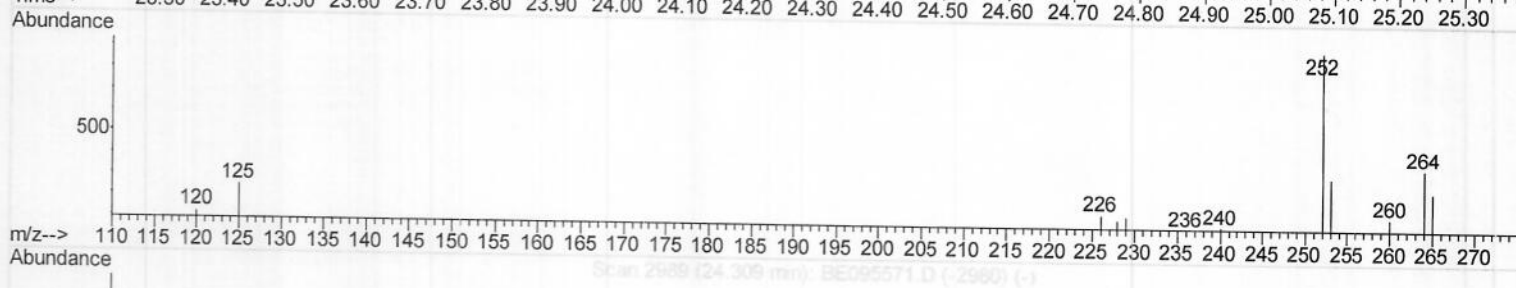
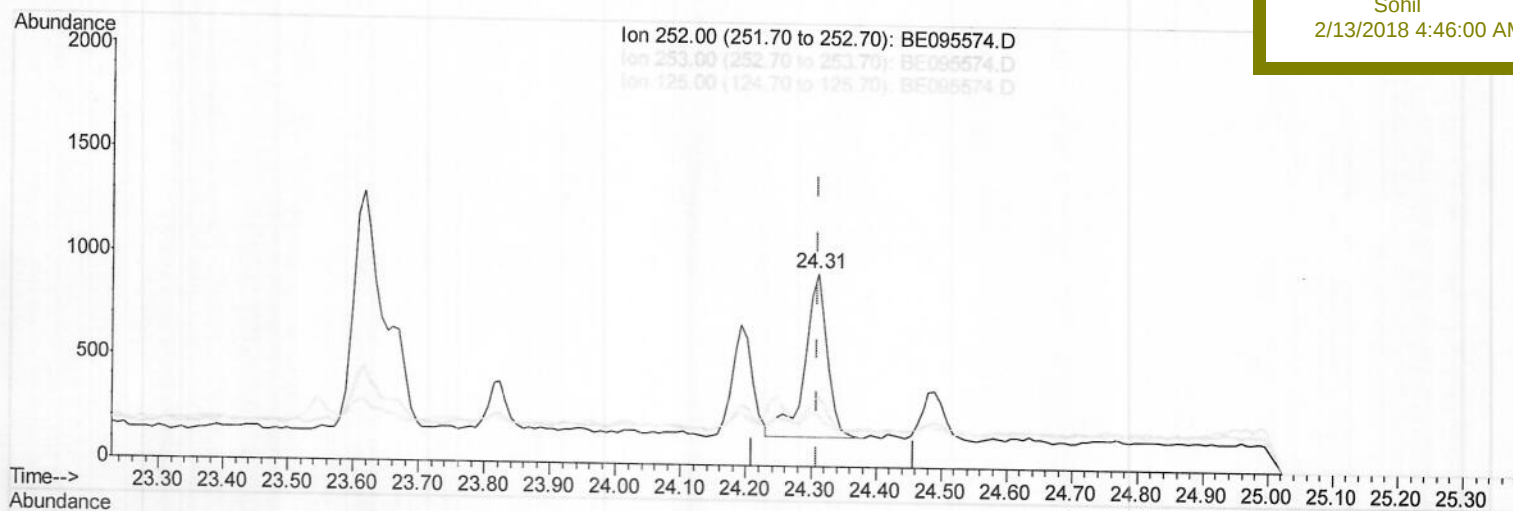
F6C83DL

Manual Integrations

APPROVED

Sohil

2/13/2018 4:46:00 AM



(23) Benzo(a)pyrene (C)

24.310min (+0.001) 0.09ng/ul

response 1934

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.95
125.00	22.60	26.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\

Data File : BE095574.D

Acq On : 8 Feb 2018 18:07

Operator : SJ/JU

Sample : J1315-20DL 5X

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:29:21 2018

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 09 01:31:22 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

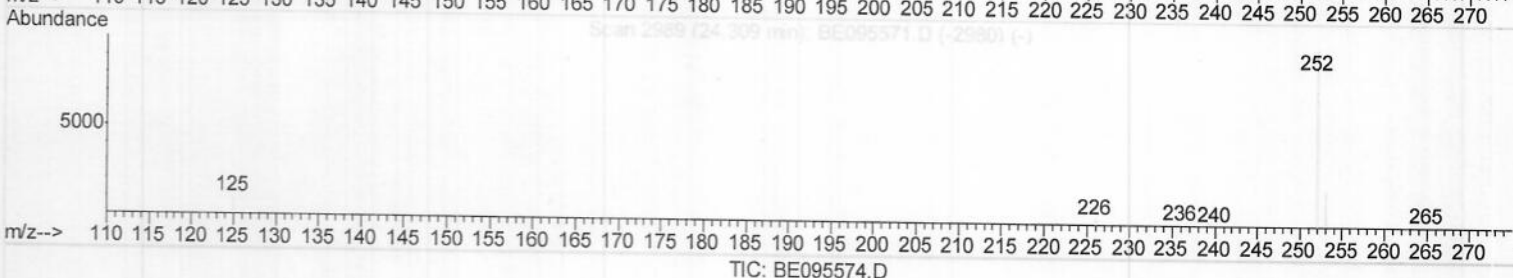
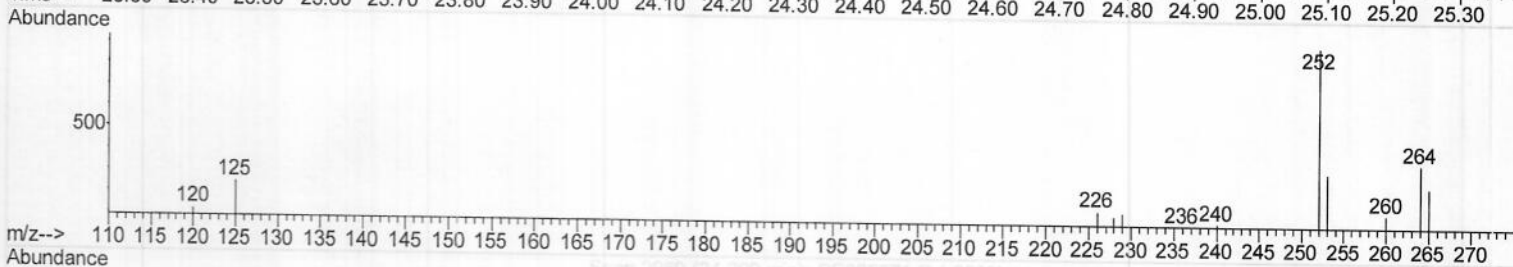
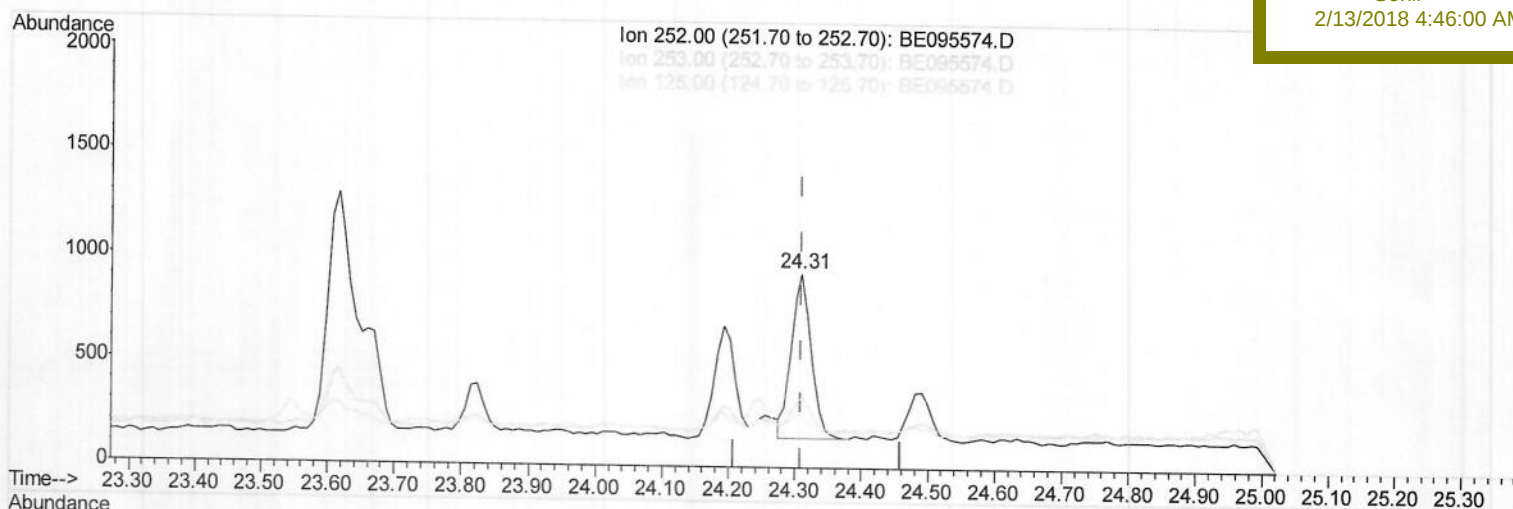
F6C83DL

Manual Integrations

APPROVED

Sohil

2/13/2018 4:46:00 AM



(23) Benzo(a)pyrene (C)

24.310min (+0.001) 0.08ng/ul m SJ02113118

response 1684

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.95
125.00	22.60	26.70
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
 Data File : BE095574.D
 Acq On : 8 Feb 2018 18:07
 Operator : SJ/JU
 Sample : J1315-20DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 Client Sample ID :
 F6C83DL

Manual Integrations
 APPROVED

Sohil
 2/13/2018 4:46:00 AM

Quant Time: Feb 09 03:35:02 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 01:31:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1586	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	4417	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2136m	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6462	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	6680	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	6593	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	305	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	1023	0.04	ng/ul	0.00

Target Compounds						
3) Naphthalene	11.30	128	560	0.045	ng/ul#	1
8) Acenaphthene	15.07	153	9588	1.203	ng/ul	93
9) Fluorene	16.02	166	13025	1.584	ng/ul	87
11) Pentachlorophenol	17.36	266	263	0.210	ng/ul	96
12) Phenanthrene	17.75	178	2407m	0.111	ng/ul	
13) Anthracene	17.84	178	11386m	0.572	ng/ul	
15) Fluoranthene	19.72	202	30487	1.083	ng/ul	84
17) Pyrene	20.07	202	24105m	1.075	ng/ul	
18) Benzo(a)anthracene	21.78	228	4682	0.224	ng/ul#	81
19) Chrysene	21.84	228	3953	0.182	ng/ul#	86
21) Benzo(b)fluoranthene	23.62	252	3072m	0.132	ng/ul	
22) Benzo(k)fluoranthene	23.66	252	776m	0.036	ng/ul	
23) Benzo(a)pyrene	24.31	252	1684m	0.081	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.23	276	645	0.028	ng/ul#	86
26) Benzo(a,h,i)perylene	28.11	276	432	0.022	ng/ul#	37

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
Data File : BE095574.D
Acq On : 8 Feb 2018 18:07
Operator : SJ/JU
Sample : J1315-20DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 03:35:02 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 09 01:31:22 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6C83DL

Manual Integrations
APPROVED

Sohil
2/13/2018 4:46:00 AM

