

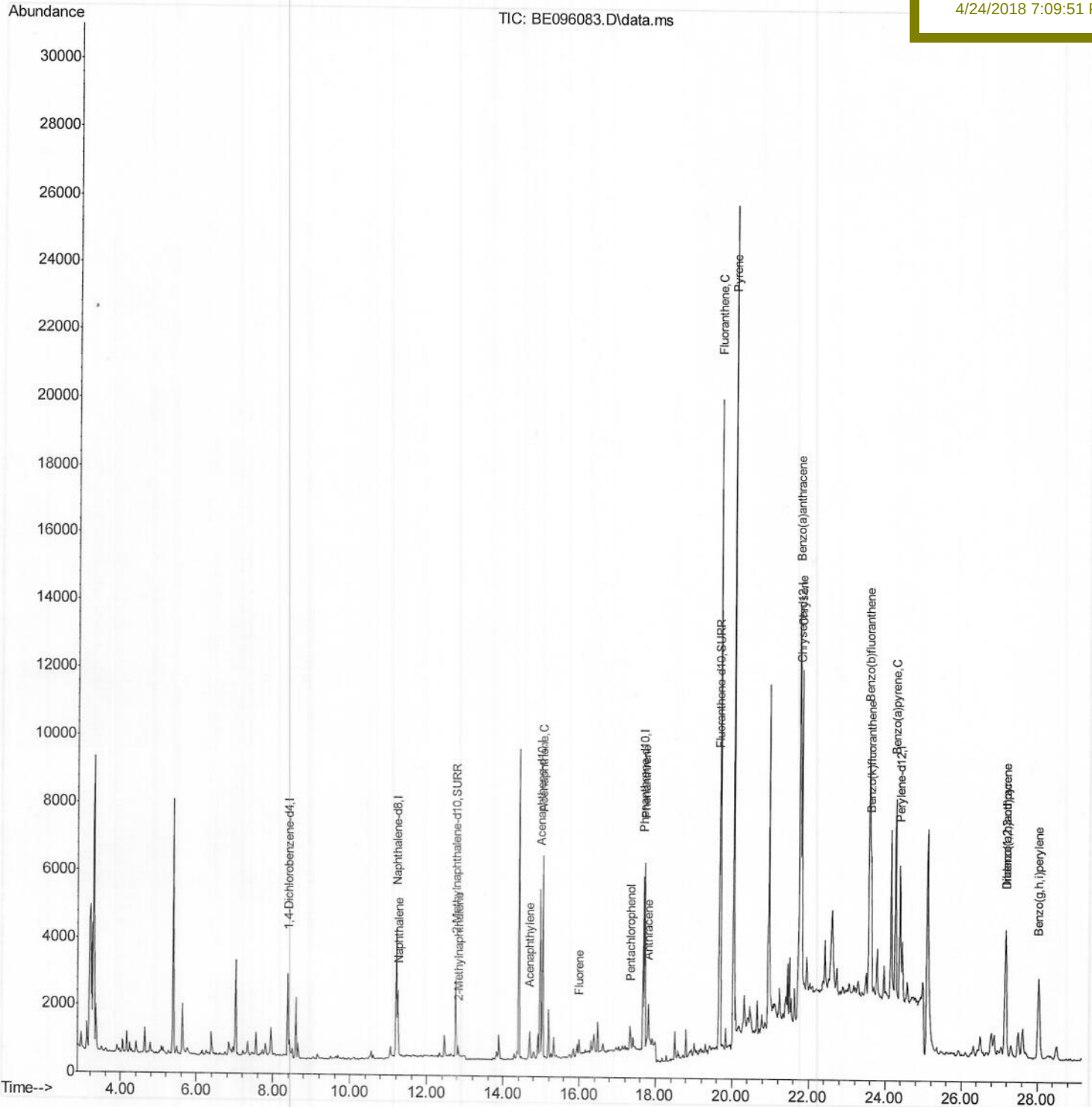
Data Path : Z:\HPCHEM1\BNA E\Data\BE042318\
Data File : BE096083.D
Acq On : 23 Apr 2018 13:59
Operator : SJ/JU
Sample : J2355-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 10:34:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 24 05:21:12 2018
Response via : Initial Calibration

Instrument :
BNA_E
Client Sampled :
A3Y33MSD

Manual Integrations
APPROVED

Sohil
4/24/2018 7:09:51 PM



Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\

Data File : BE096083.D

Acq On : 23 Apr 2018 13:59

Operator : SJ/JU

Sample : J2355-07MSD

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 05:22:37 2018

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 24 05:21:12 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampleId :

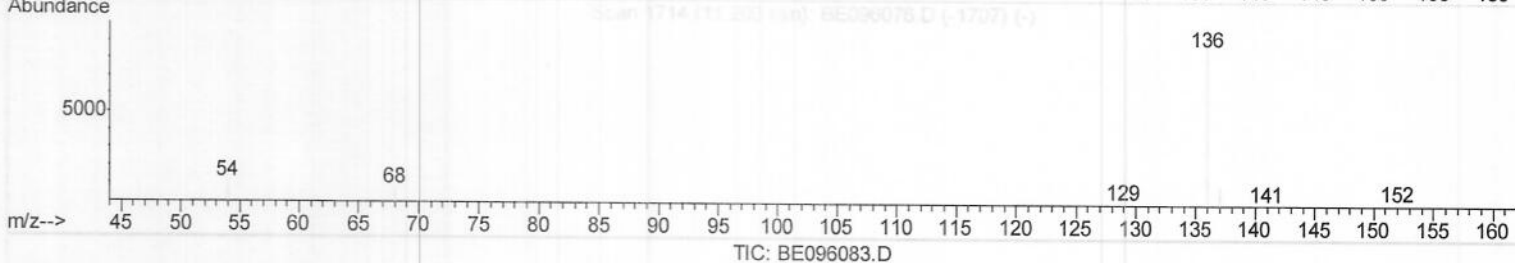
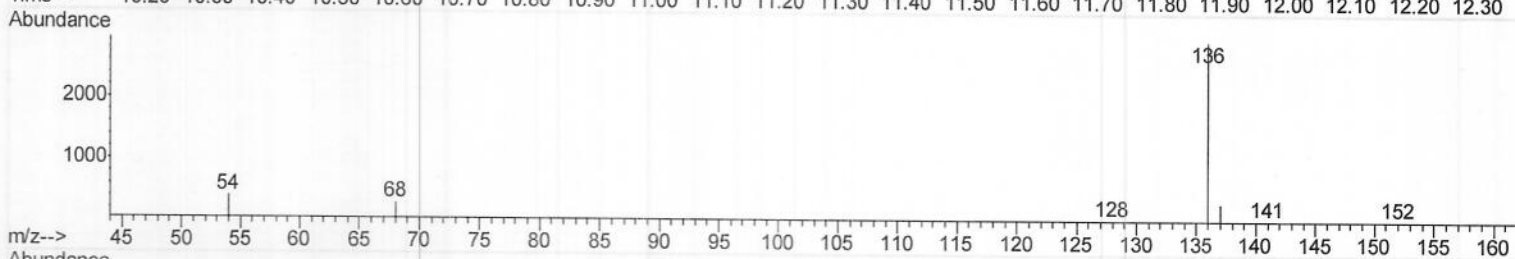
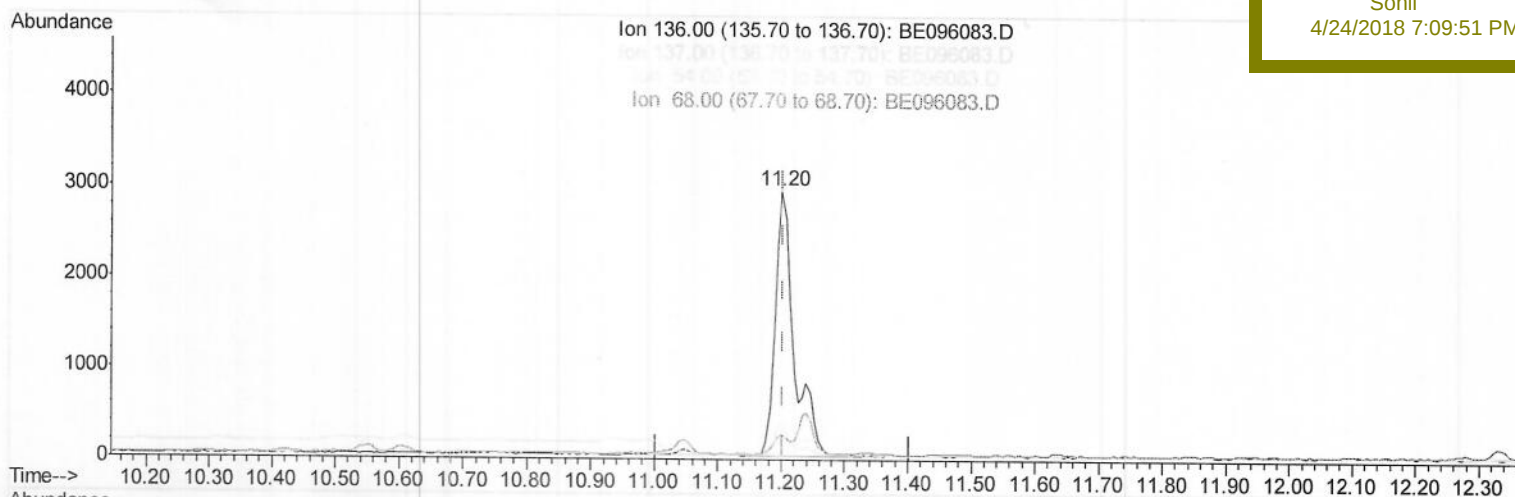
A3Y33MSD

Manual Integrations

APPROVED

Sohil

4/24/2018 7:09:51 PM



(2) Naphthalene-d8 (I)

11.201min (-0.002) 0.40ng/ul

response 6166

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	11.26
54.00	15.50	13.49
68.00	9.90	9.71

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\

Data File : BE096083.D

Acq On : 23 Apr 2018 13:59

Operator : SJ/JU

Sample : J2355-07MSD

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 05:22:37 2018

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 24 05:21:12 2018

Response via : Initial Calibration

Instrument :

BNA_E

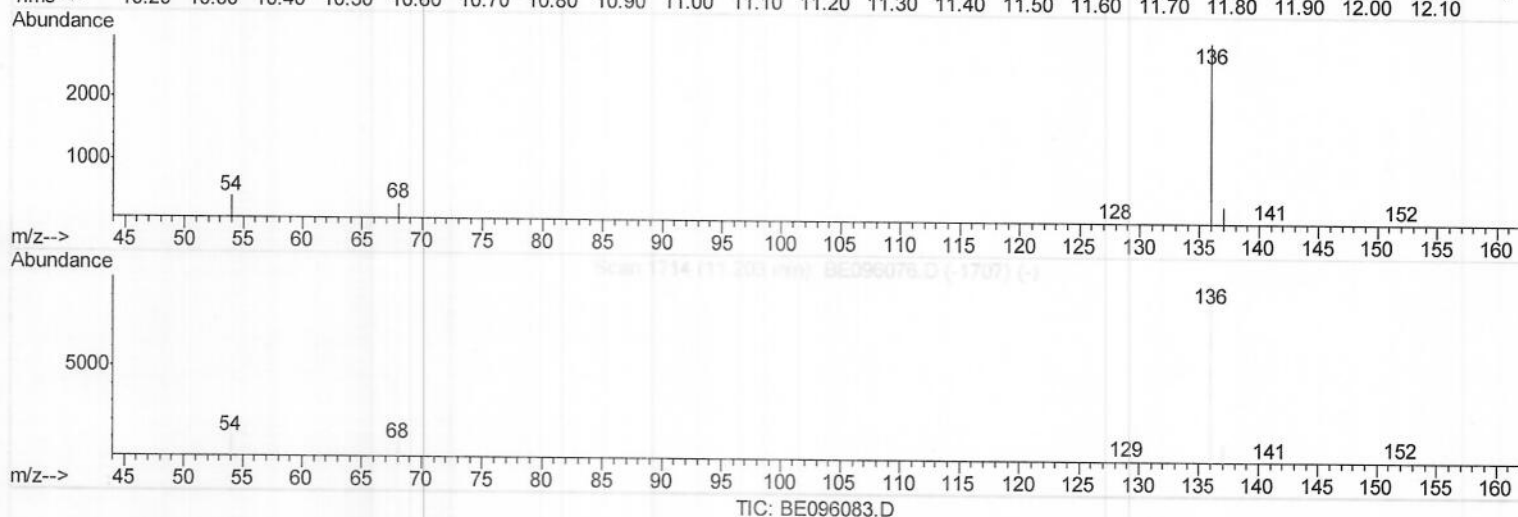
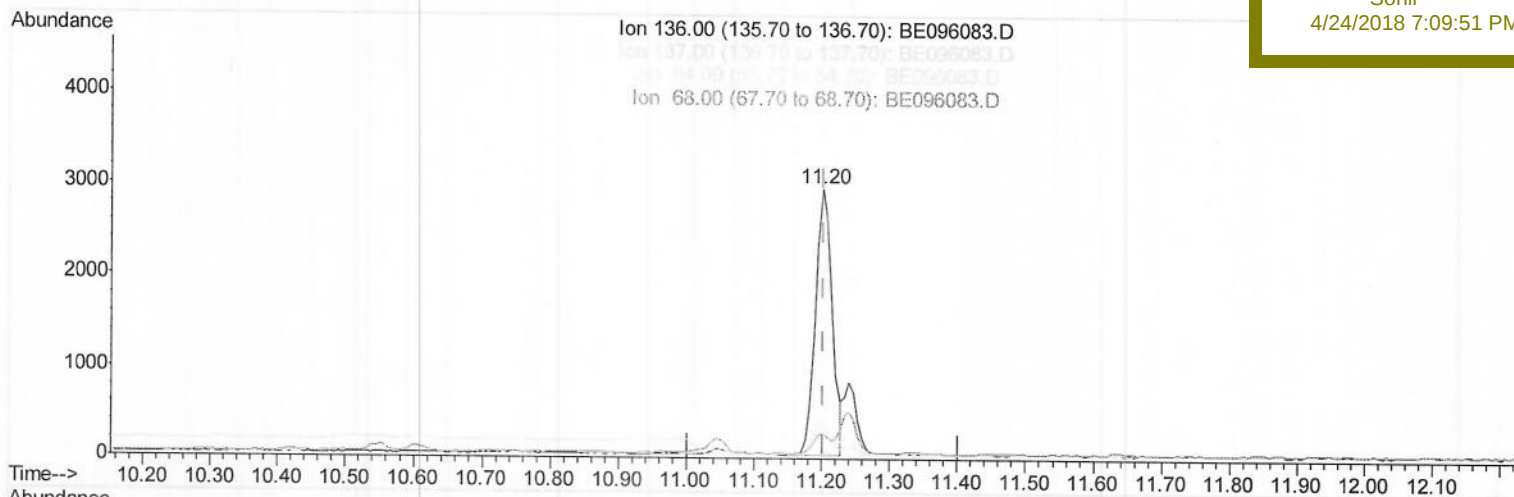
Client Sampled :

A3Y33MSD

Manual Integrations
APPROVED

Sohil

4/24/2018 7:09:51 PM



(2) Naphthalene-d8 (I)

11.201min (-0.002) 0.40ng/ul m

SJ 4/27/18

response 5081

Ion	Exp%	Act%
136.00	100	100
137.00	13.90	11.26
54.00	15.50	13.49
68.00	9.90	9.71

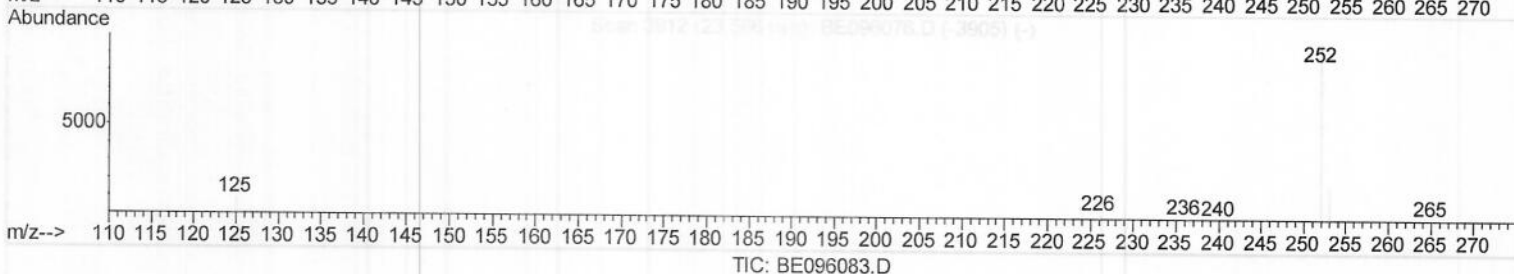
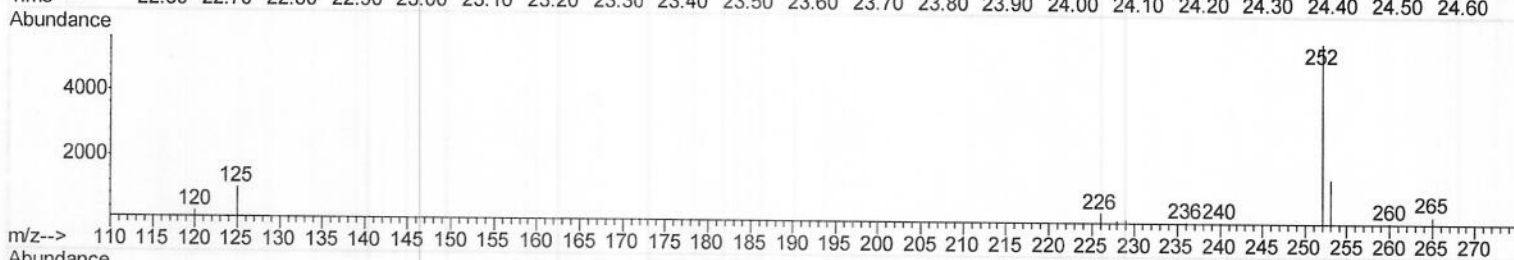
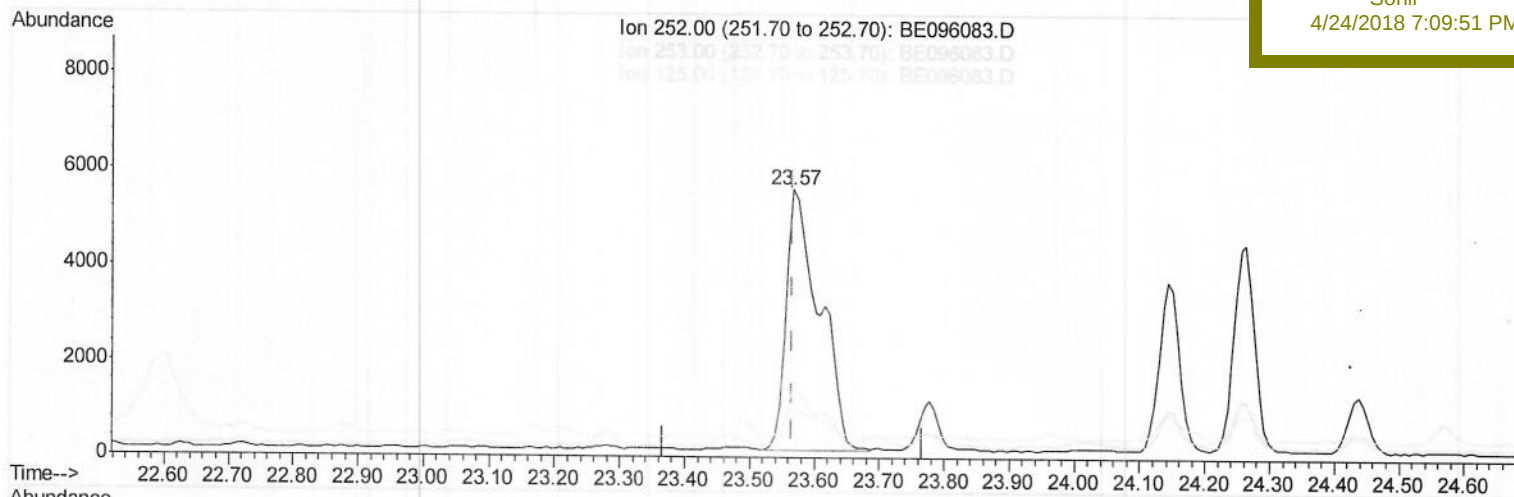
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\
Data File : BE096083.D
Acq On : 23 Apr 2018 13:59
Operator : SJ/JU
Sample : J2355-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:22:30 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 24 05:21:12 2018
Response via : Initial Calibration

Instrument :
BNA_E
Client Sampled :
A3Y33MSD

Manual Integrations
APPROVED

Sohil
4/24/2018 7:09:51 PM



(21) Benzo(b)fluoranthene

23.567min (+0.001) 0.98ng/ul

response 19493

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.01
125.00	17.50	17.71
0.00	0.00	0.00

Quantitation Report (Qedit)

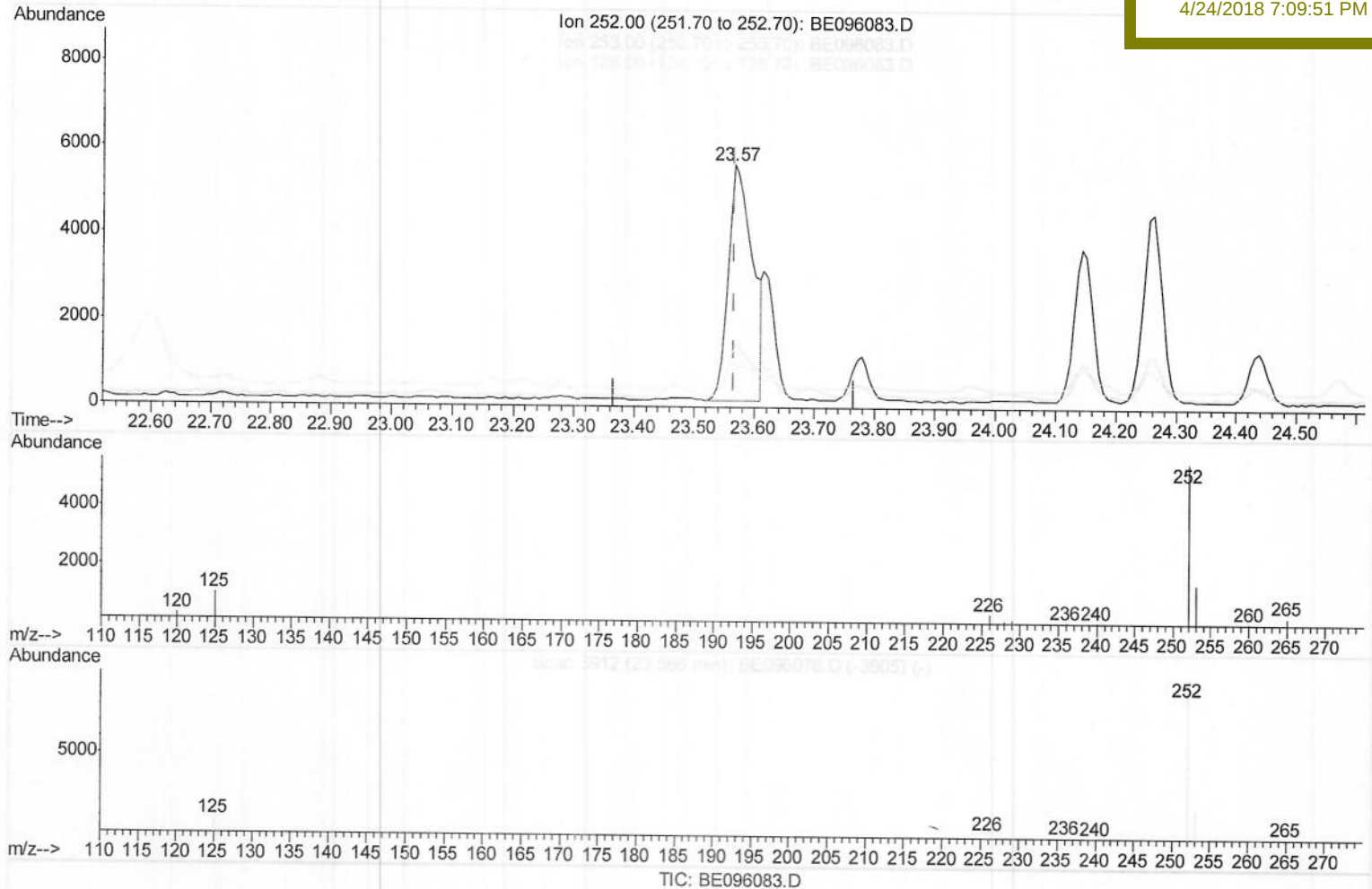
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\
 Data File : BE096083.D
 Acq On : 23 Apr 2018 13:59
 Operator : SJ/JU
 Sample : J2355-07MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:22:30 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 24 05:21:12 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 Client Sample Id :
 A3Y33MSD

Manual Integrations
 APPROVED

Sohil
 4/24/2018 7:09:51 PM



(21) Benzo(b)fluoranthene

23.567min (+0.001) 0.77ng/ul m

response 15316

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.01
125.00	17.50	17.71
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\

Data File : BE096083.D

Acq On : 23 Apr 2018 13:59

Operator : SJ/JU

Sample : J2355-07MSD

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:22:30 2018

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 24 05:21:12 2018

Response via : Initial Calibration

Instrument :

BNA_E

Client Sample ID :

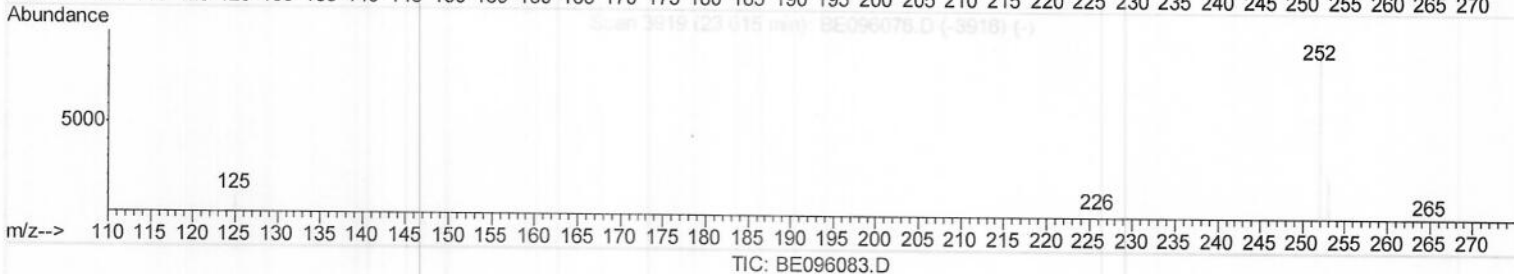
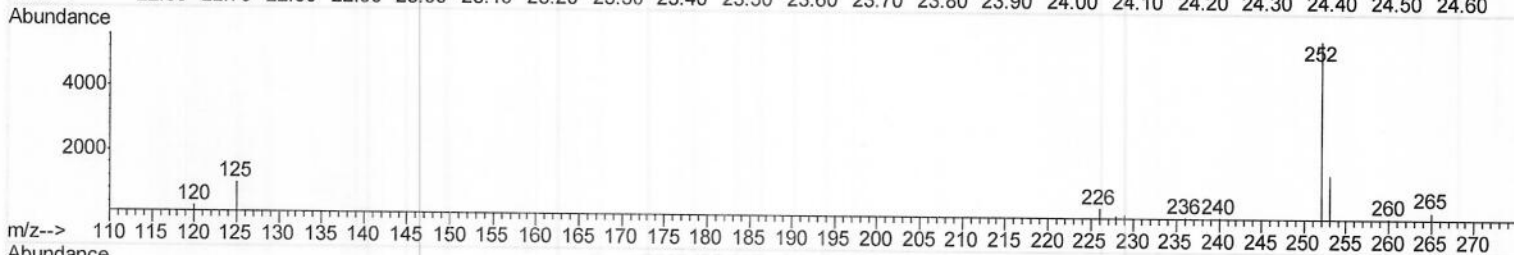
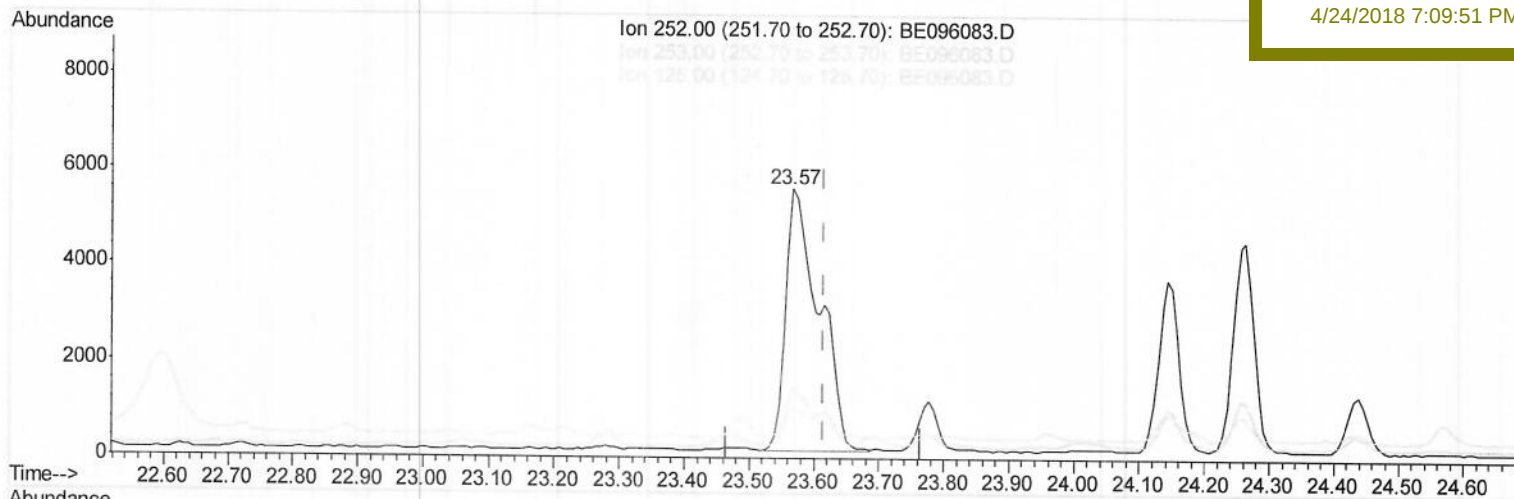
A3Y33MSD

Manual Integrations

APPROVED

Sohil

4/24/2018 7:09:51 PM



TIC: BE096083.D

(22) Benzo(k)fluoranthene

23.567min (-0.049) 0.99ng/ul

response 19493

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.01
125.00	17.10	17.71
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\

Data File : BE096083.D

Acq On : 23 Apr 2018 13:59

Operator : SJ/JU

Sample : J2355-07MSD

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:22:30 2018

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 24 05:21:12 2018

Response via : Initial Calibration

Instrument :

BNA_E

Client Sample Id :

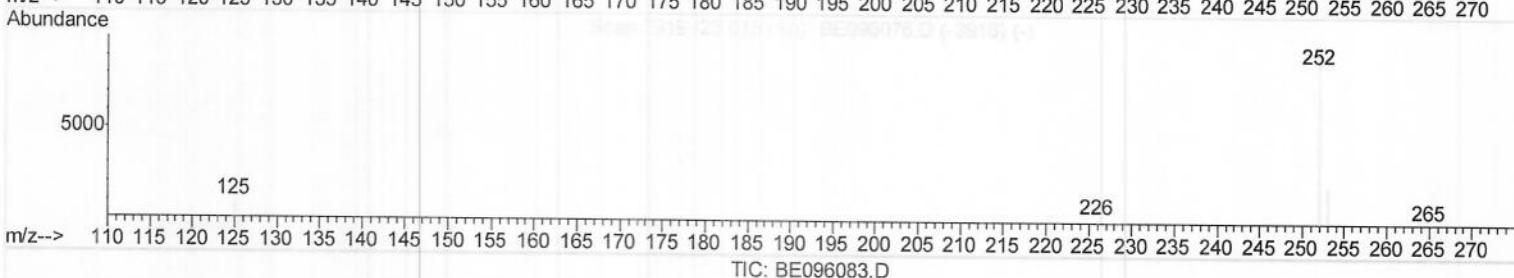
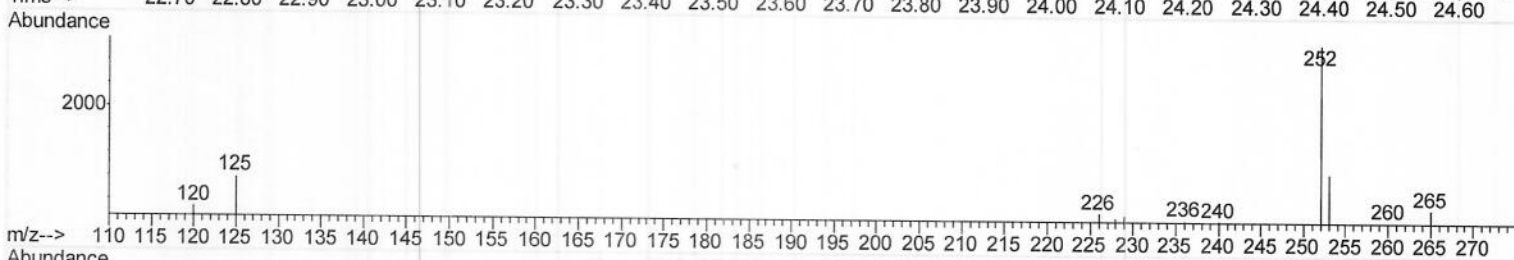
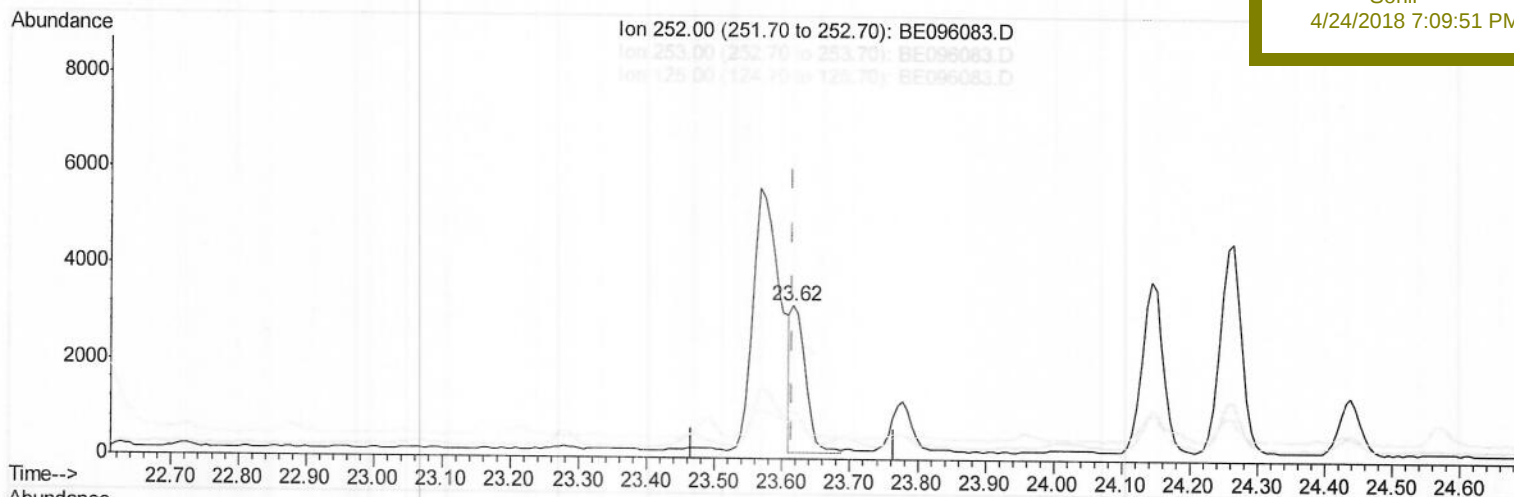
A3Y33MSD

Manual Integrations

APPROVED

Sohil

4/24/2018 7:09:51 PM



(22) Benzo(k)fluoranthene

23.616min (+0.001) 0.22ng/ul m

response 4379

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	29.63
125.00	17.10	24.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

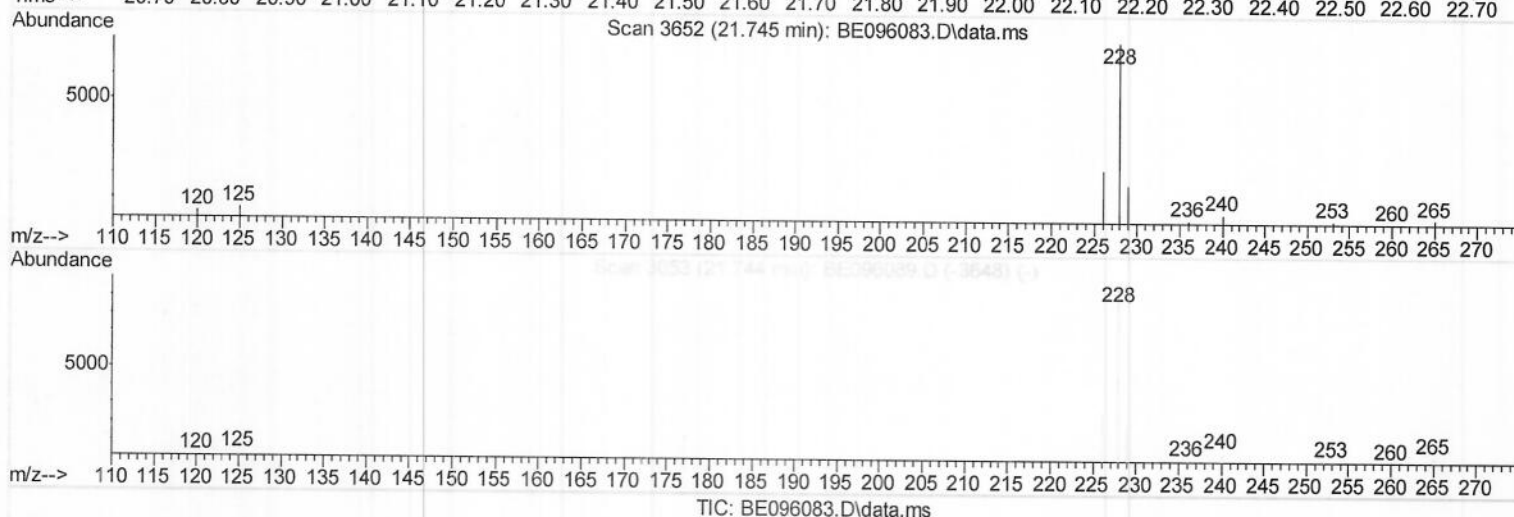
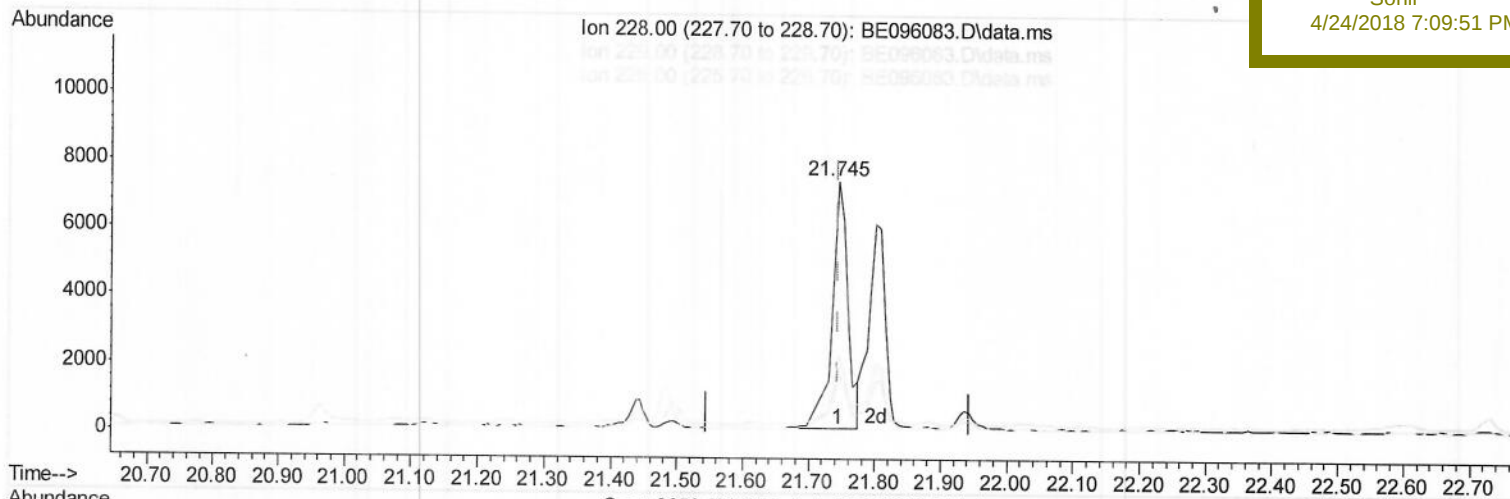
Data Path : Z:\HPCHEM1\BNA E\Data\BE042318\
 Data File : BE096083.D
 Acq On : 23 Apr 2018 13:59
 Operator : SJ/JU
 Sample : J2355-07MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:23:35 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 24 05:21:12 2018
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 A3Y33MSD

Manual Integrations
 APPROVED

Sohil
 4/24/2018 7:09:51 PM



(18) Benzo(a)anthracene

21.745min (+0.001) 0.38 ng/ul

response 11494

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	22.84
226.00	21.30	30.42#
0.00	0.00	0.00

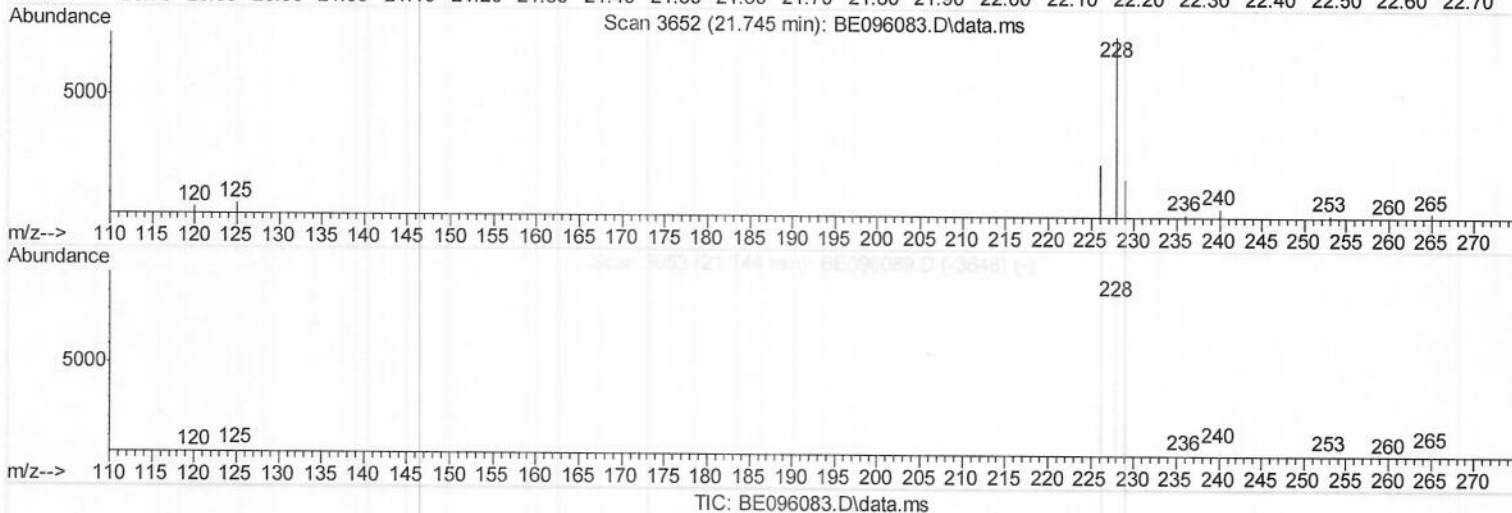
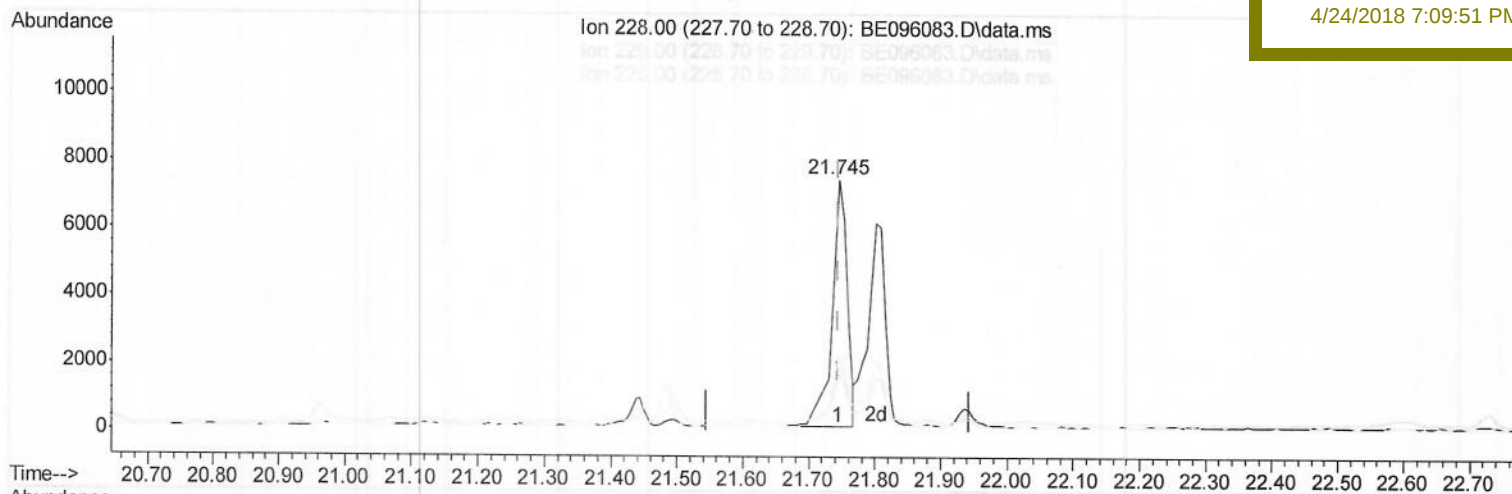
Data Path : Z:\HPCHEM1\BNA E\Data\BE042318\
Data File : BE096083.D
Acq On : 23 Apr 2018 13:59
Operator : SJ/JU
Sample : J2355-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:23:35 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 24 05:21:12 2018
Response via : Initial Calibration

Instrument :
BNA_E
Client Sample Id :
A3Y33MSD

Manual Integrations
APPROVED

Sohil
4/24/2018 7:09:51 PM



(18) Benzo(a)anthracene

21.745min (+0.001) 0.47 ng/ul m *SJ 4/27/18*

response 14066

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	22.84
226.00	21.30	30.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE042318\

Data File : BE096083.D

Acq On : 23 Apr 2018 13:59

Operator : SJ/JU

Sample : J2355-07MSD

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:23:35 2018

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 24 05:21:12 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampled :

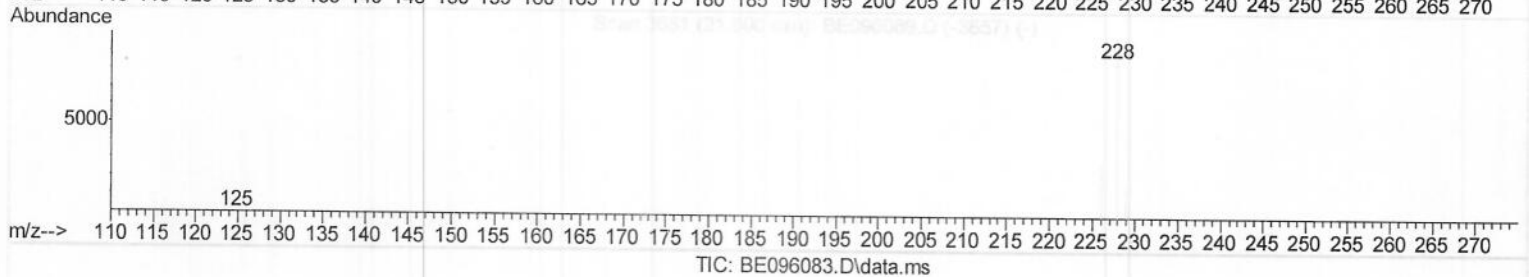
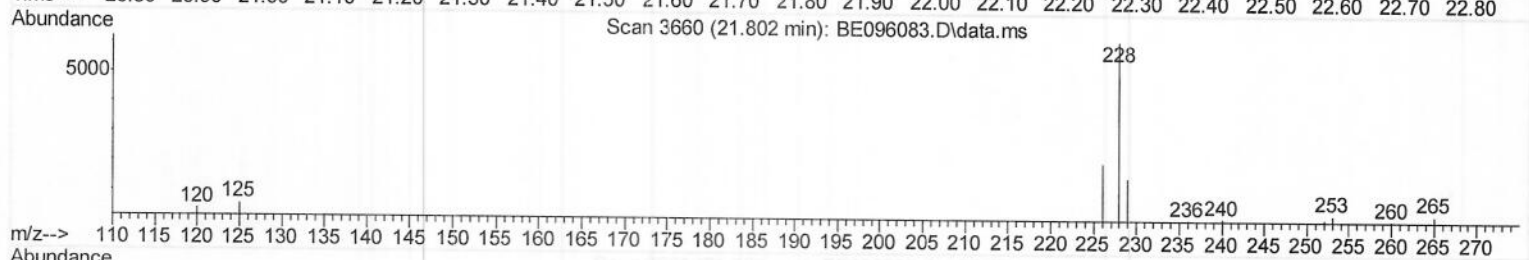
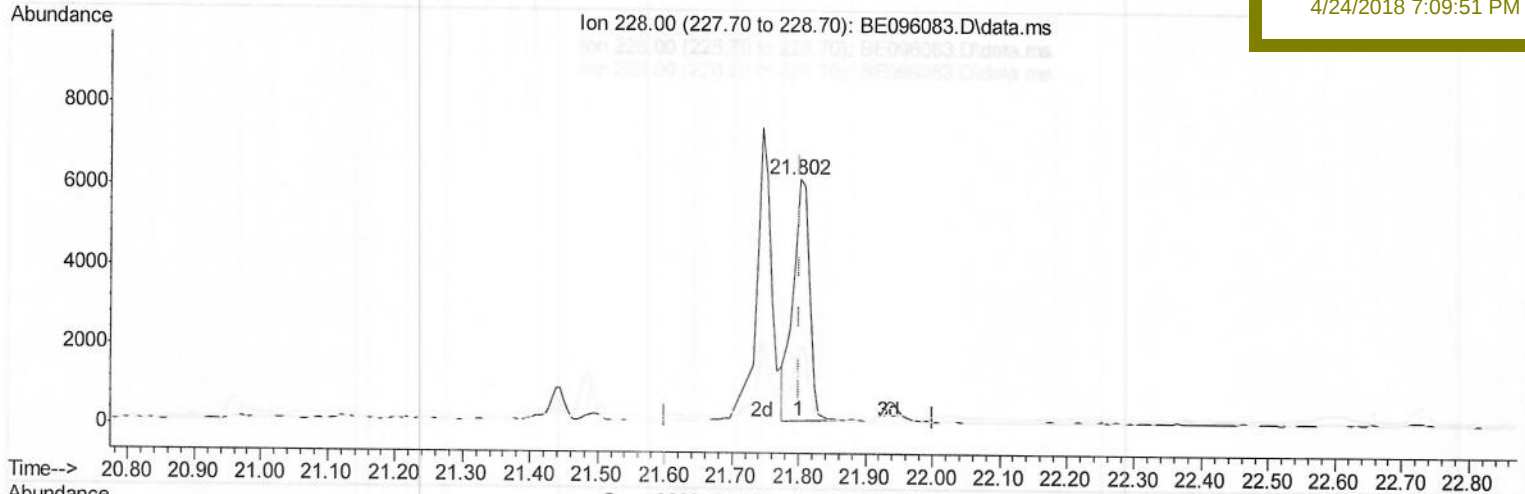
A3Y33MSD

Manual Integrations

APPROVED

Sohil

4/24/2018 7:09:51 PM



(19) Chrysene

21.802min (+0.001) 0.47 ng/ul

response 10194

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	33.48
229.00	22.10	25.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\Data\BE042318\

Data File : BE096083.D

Acq On : 23 Apr 2018 13:59

Operator : SJ/JU

Sample : J2355-07MSD

Misc :

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 06:23:35 2018

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 24 05:21:12 2018

Response via : Initial Calibration

Instrument :

BNA_E

ClientSampled :

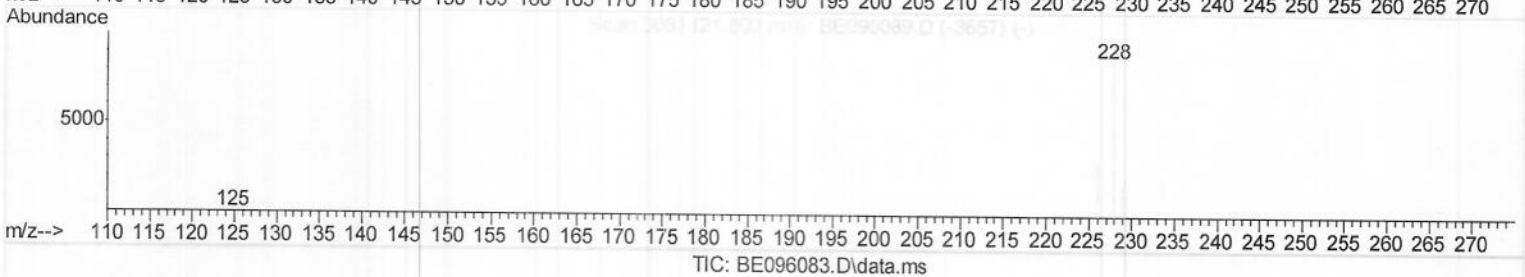
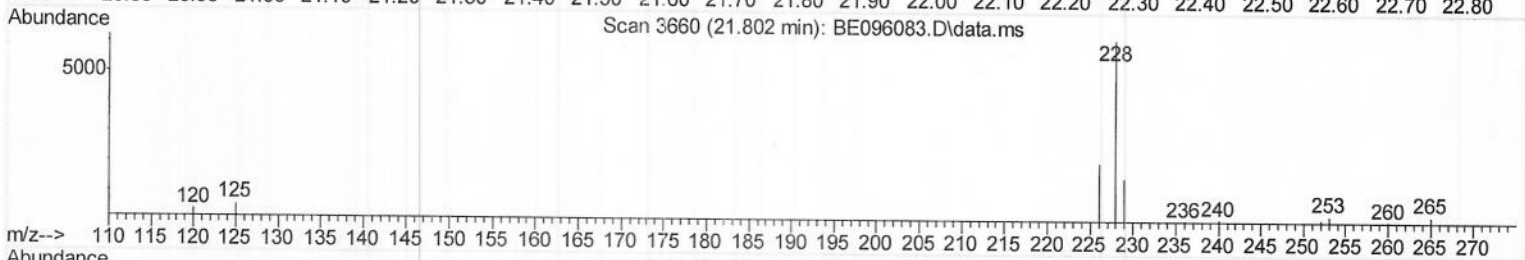
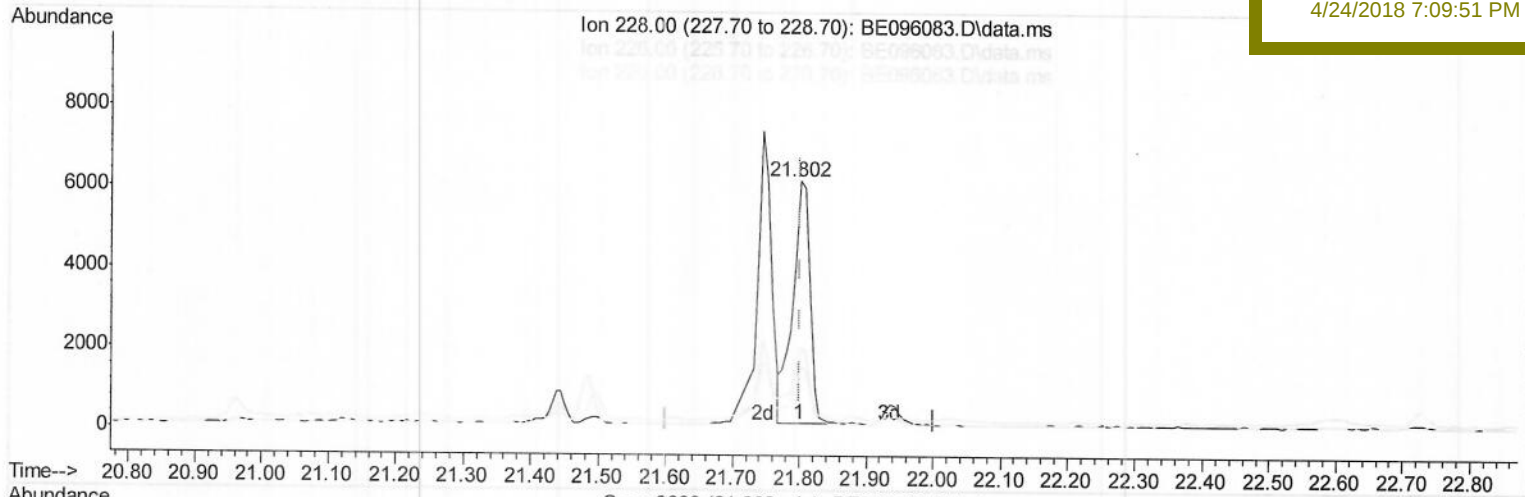
A3Y33MSD

Manual Integrations

APPROVED

Sohil

4/24/2018 7:09:51 PM



(19) Chrysene

21.802min (+0.001) 0.50 ng/ul m } SJ 4/27/18

response 10739

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	33.48
229.00	22.10	25.34
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\Data\BE042318\
 Data File : BE096083.D
 Acq On : 23 Apr 2018 13:59
 Operator : SJ/JU
 Sample : J2355-07MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 10:34:44 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
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 BNA_E
 Client Sampled :
 A3Y33MSD

Manual Integrations
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 4/24/2018 7:09:51 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.380	152	1844	0.40	ng/ul	0.00
2) Naphthalene-d8	11.201	136	5081m	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.966	164	2786	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.677	188	6174	0.40	ng/ul	0.00
16) Chrysene-d12	21.767	240	7412	0.40	ng/ul	0.00
20) Perylene-d12	24.375	264	6127	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.756	152	3054	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.655	212	8005	0.31	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	11.253	128	997	0.07	ng/ul#	80
5) 2-Methylnaphthalene	12.833	142	259	0.03	ng/ul#	100
7) Acenaphthylene	14.696	152	1069	0.07	ng/ul#	87
8) Acenaphthene	15.031	153	3569	0.34	ng/ul	95
9) Fluorene	15.995	166	293	0.03	ng/ul#	81
11) Pentachlorophenol	17.332	266	403	0.31	ng/ul	97
12) Phenanthrene	17.712	178	5954	0.33	ng/ul#	89
13) Anthracene	17.803	178	1350	0.07	ng/ul#	90
15) Fluoranthene	19.684	202	21544	0.87	ng/ul	84
17) Pyrene	20.039	202	30281	1.20	ng/ul#	79
18) Benzo(a)anthracene	21.745	228	14066m	0.47	ng/ul	} 554/27/18
19) Chrysene	21.802	228	10739m	0.50	ng/ul	
21) Benzo(b)fluoranthene	23.567	252	15316m	0.77	ng/ul	
22) Benzo(k)fluoranthene	23.616	252	4379m	0.22	ng/ul	
23) Benzo(a)pyrene	24.263	252	9733	0.51	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	27.169	276	7396	0.35	ng/ul#	72
25) Dibenzo(a,h)anthracene	27.173	278	1792	0.10	ng/ul#	72
26) Benzo(a,h,i)perylene	28.032	276	5814	0.33	ng/ul	98

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