

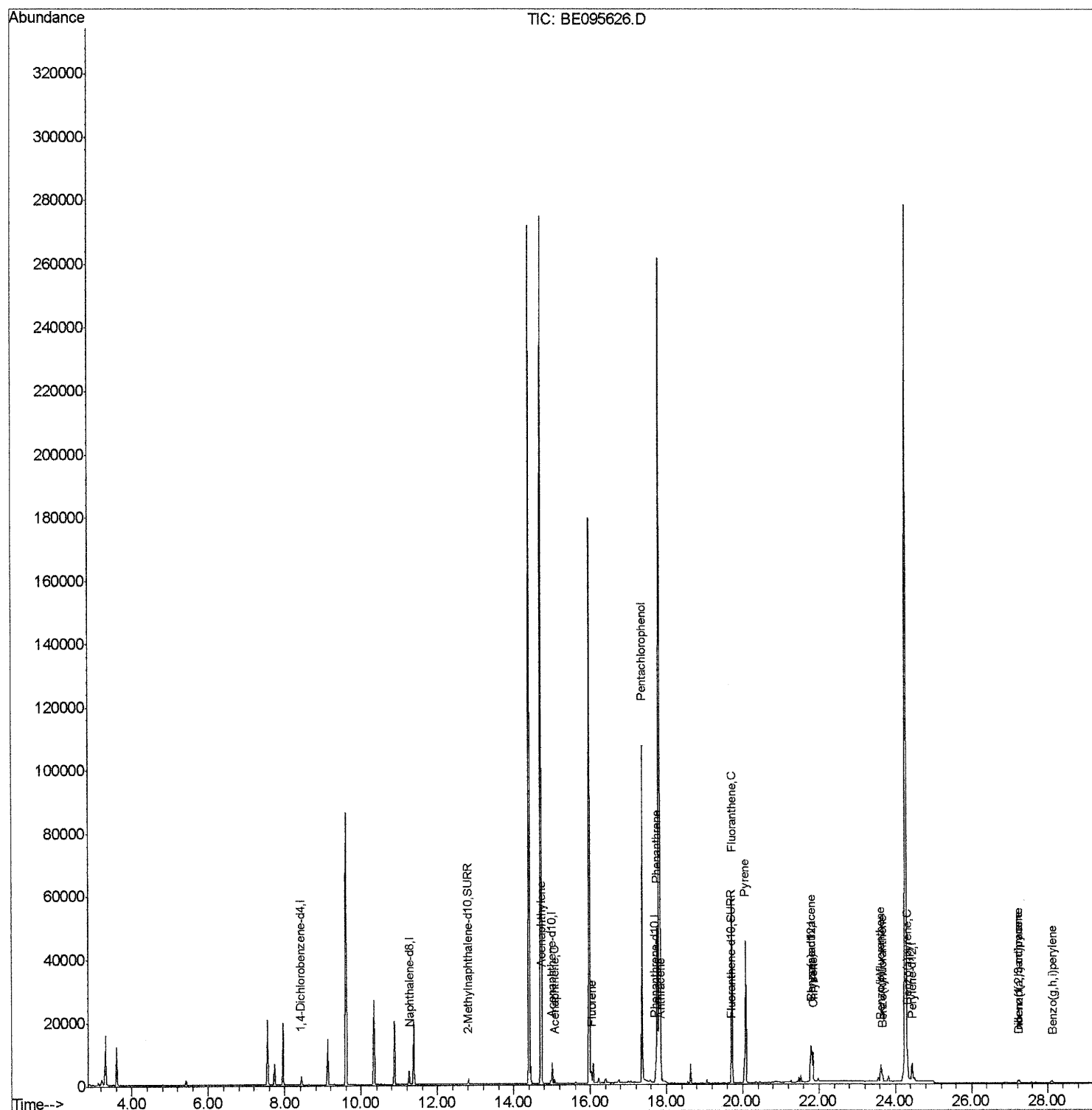
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:17:37 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



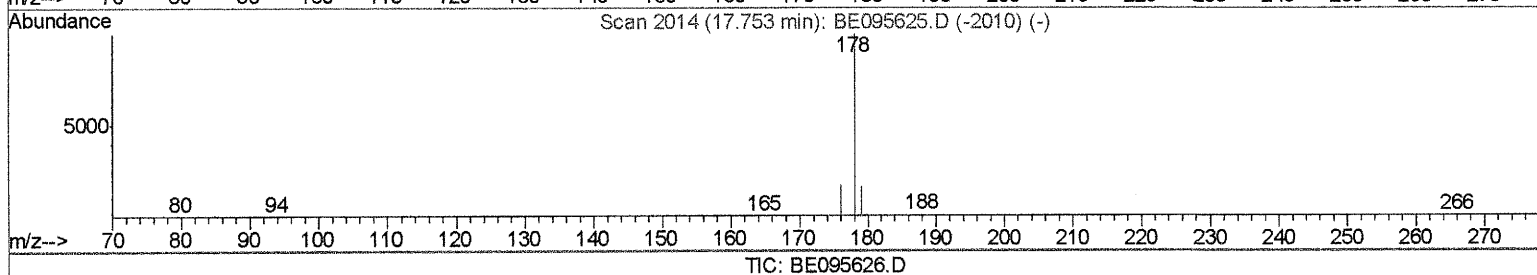
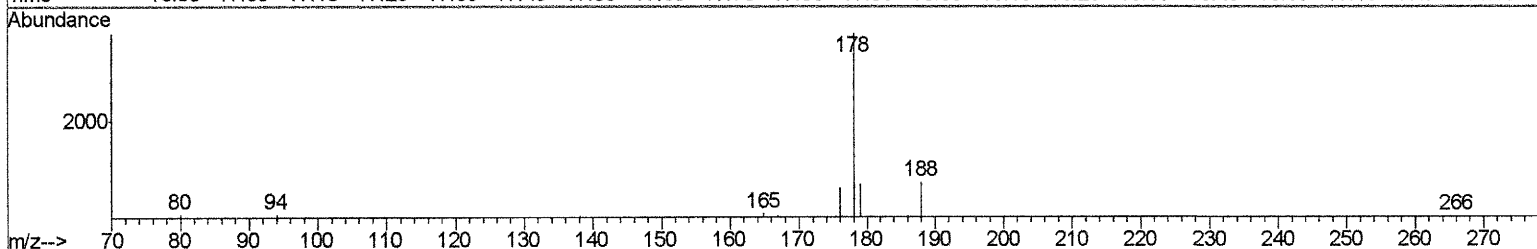
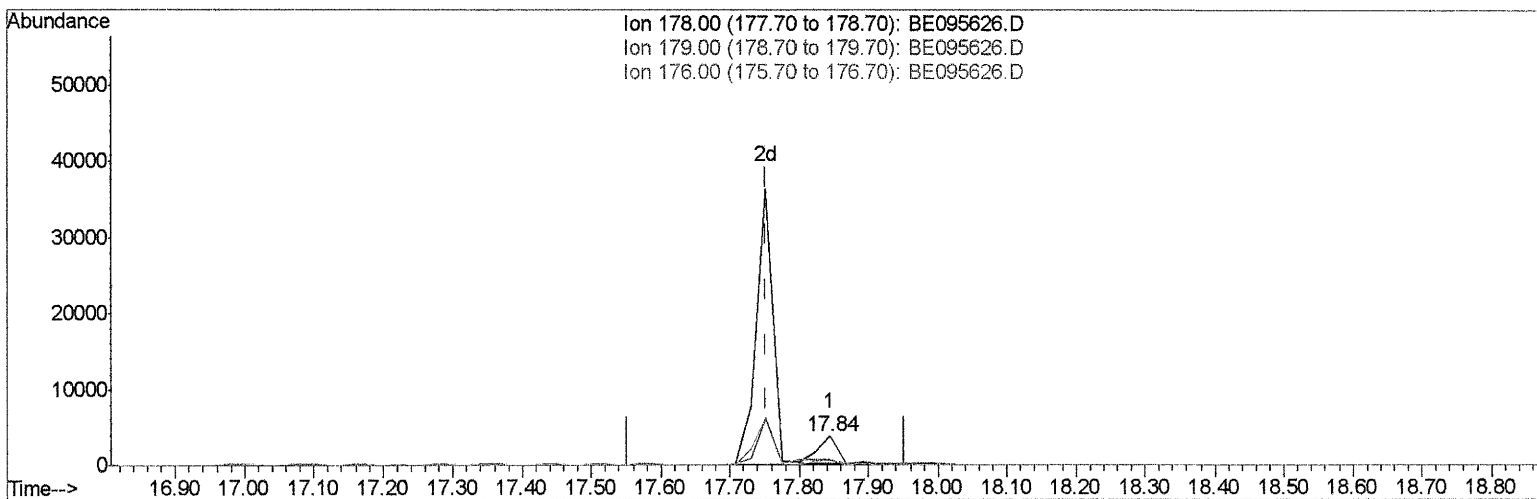
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:10:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



(12) Phenanthrene

17.845min (+0.091) 0.25ng/ul

response 7014

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	19.06
176.00	17.00	17.20
0.00	0.00	0.00

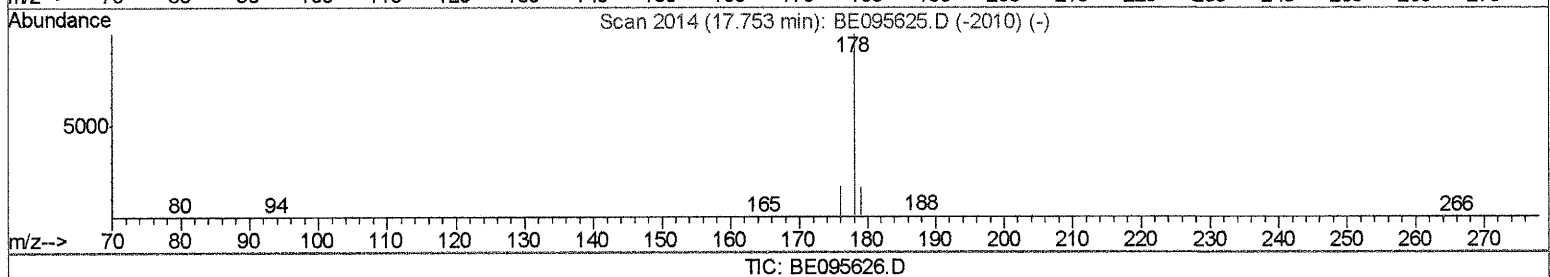
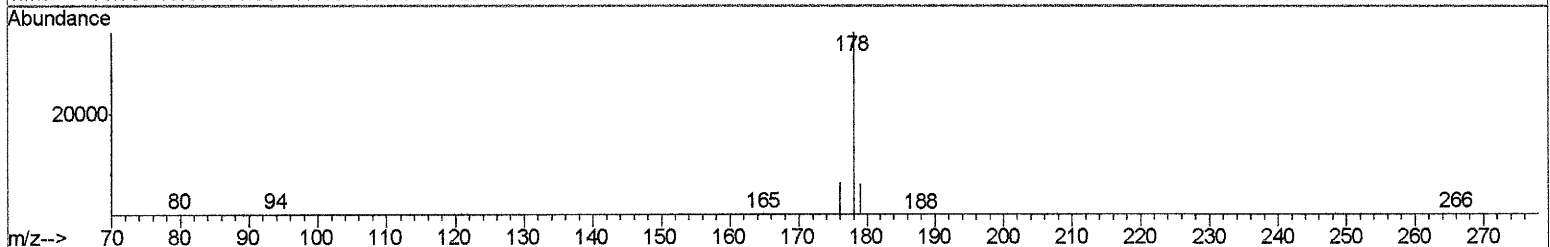
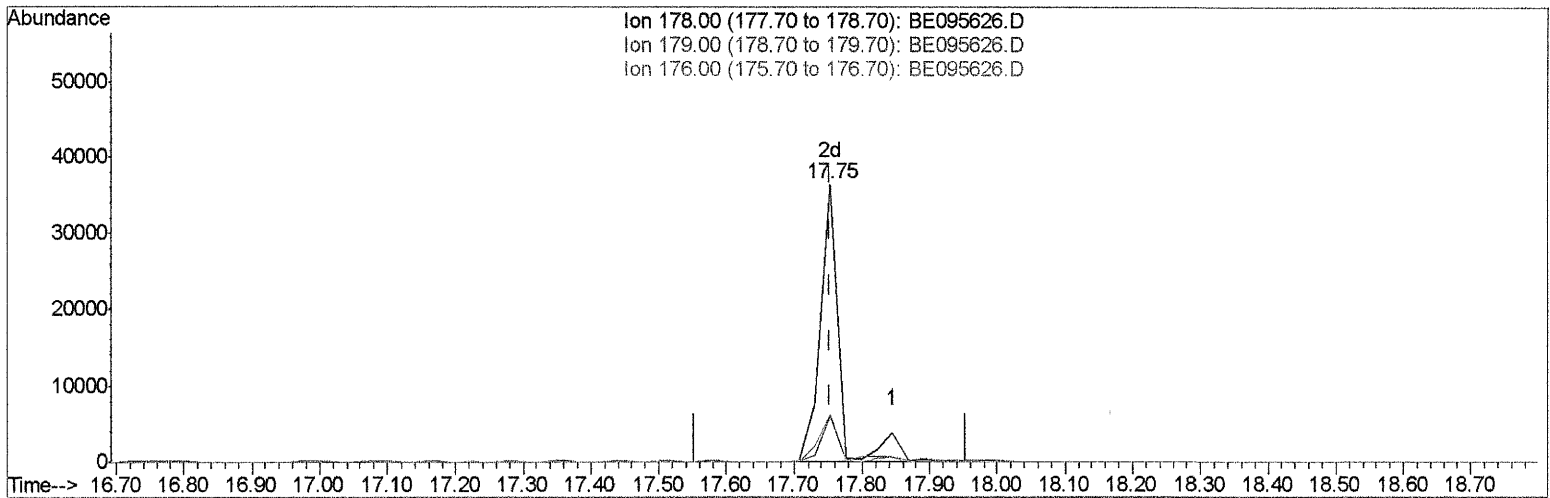
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:10:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



(12) Phenanthrene

17.753min (-0.001) 2.24ng/ul m SJ 2/13/18

response 61974

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	16.77#
176.00	17.00	17.13
0.00	0.00	0.00

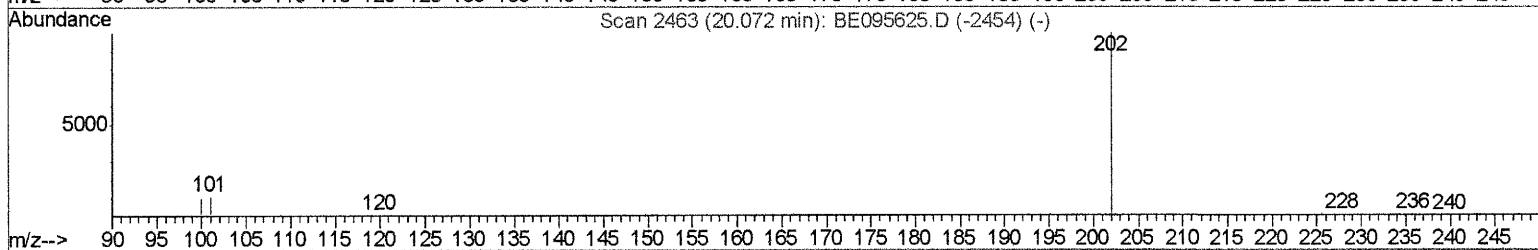
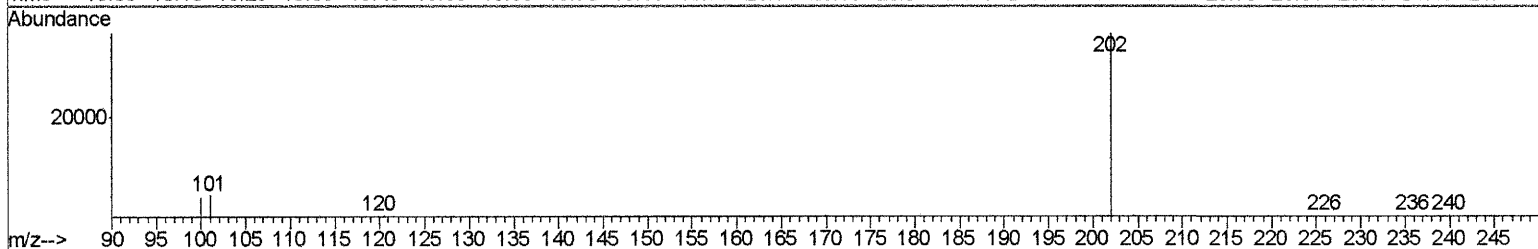
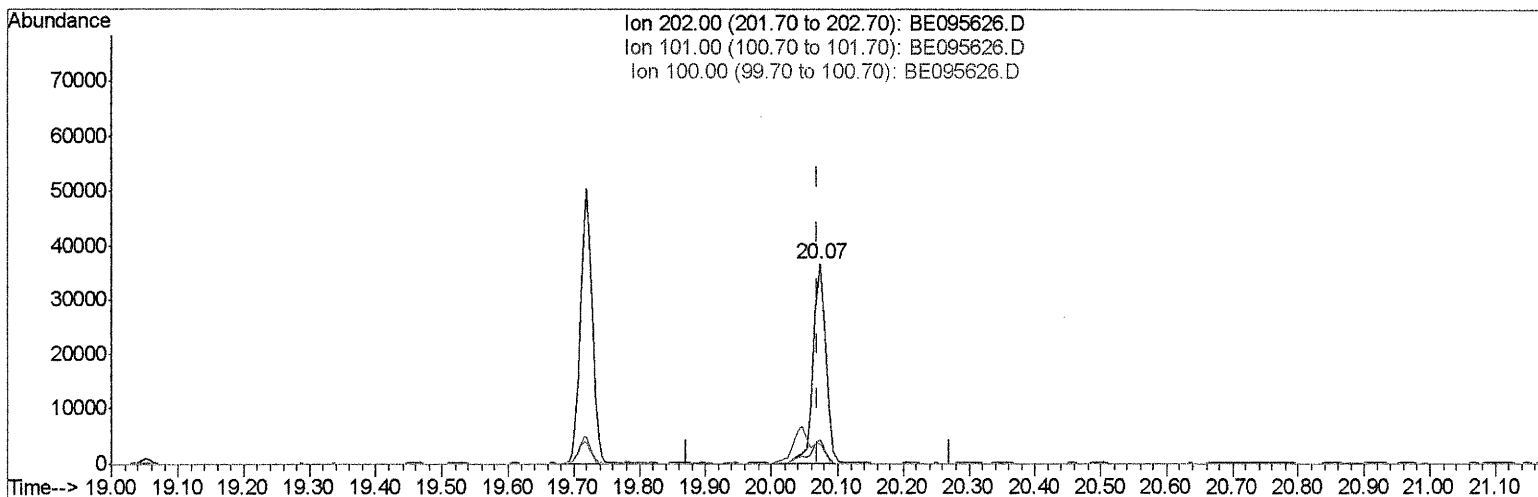
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:10:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
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TIC: BE095626.D

(17) Pyrene

20.073min (+0.001) 2.17ng/ul

response 55890

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	11.71#
100.00	19.50	10.12#
0.00	0.00	0.00

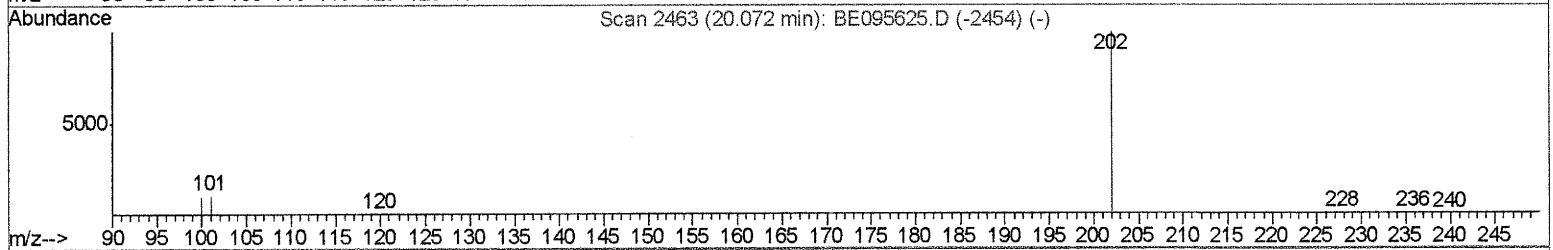
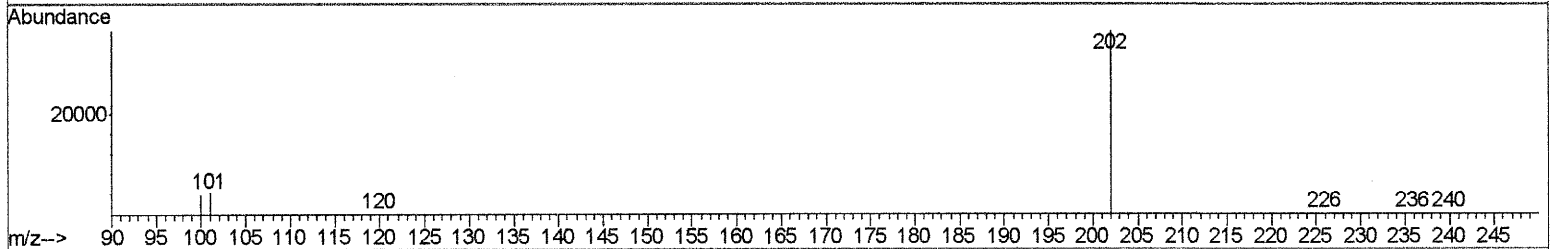
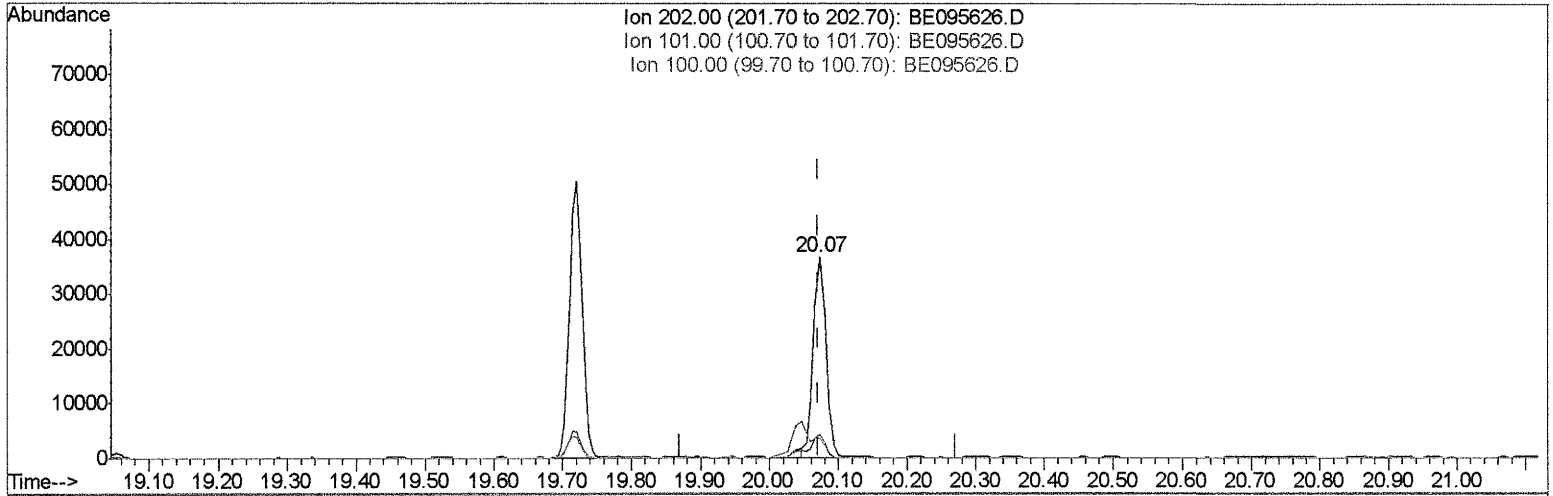
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:10:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(17) Pyrene

20.073min (+0.001) 1.83ng/ul m

SJ 2/13/18

response 47241

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	11.71#
100.00	19.50	10.12#
0.00	0.00	0.00

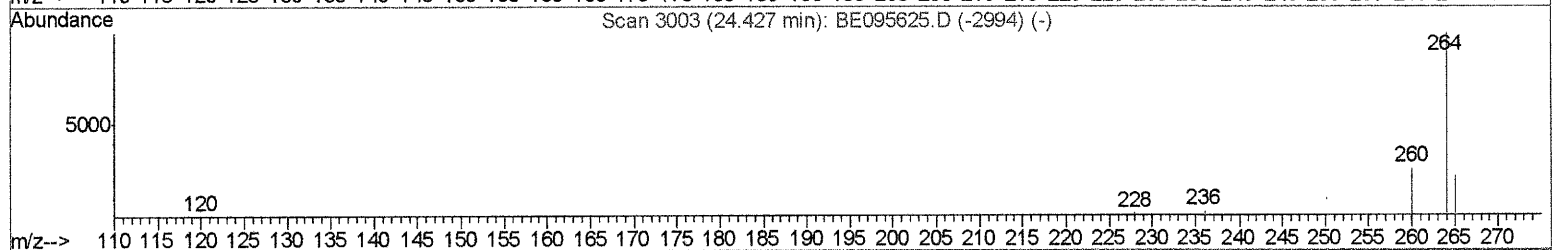
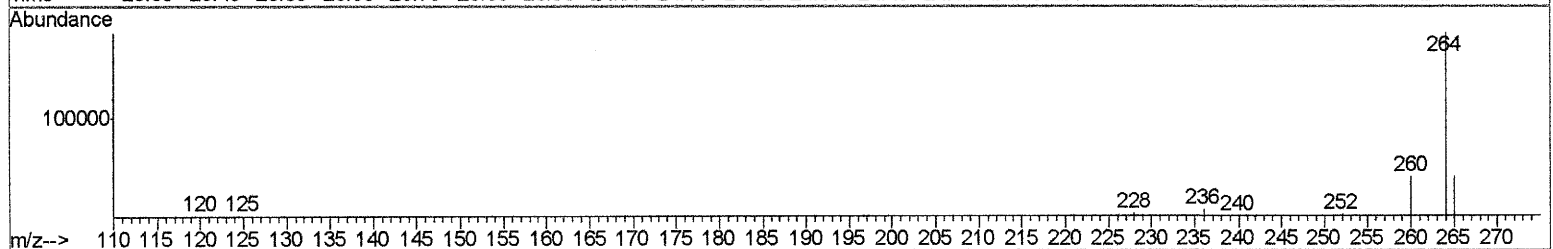
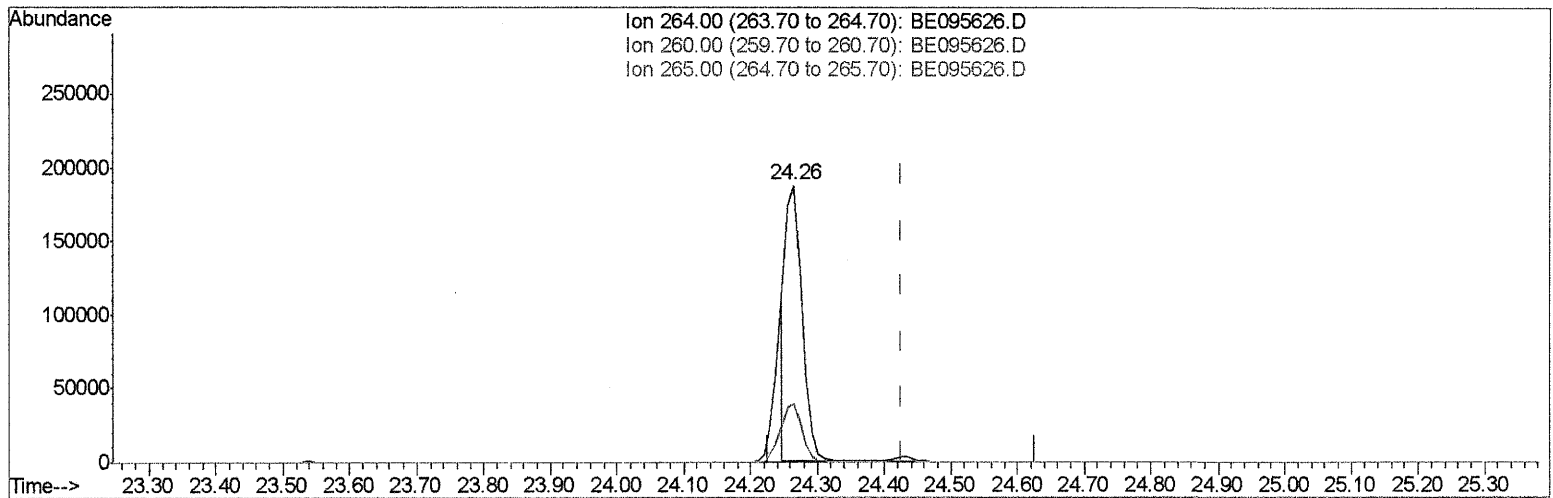
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:10:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(20) Perylene-d12 (I)

24.264min (-0.163) 0.40ng/ul

response 310288

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.97#
265.00	103.50	21.37#
0.00	0.00	0.00

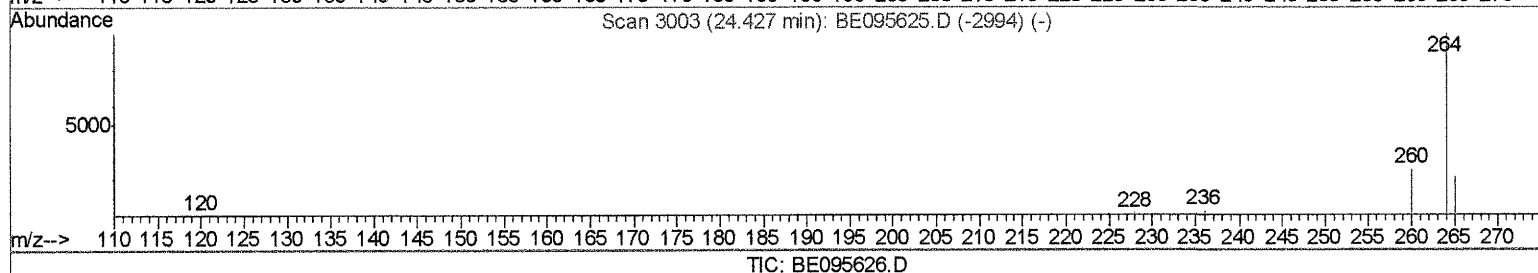
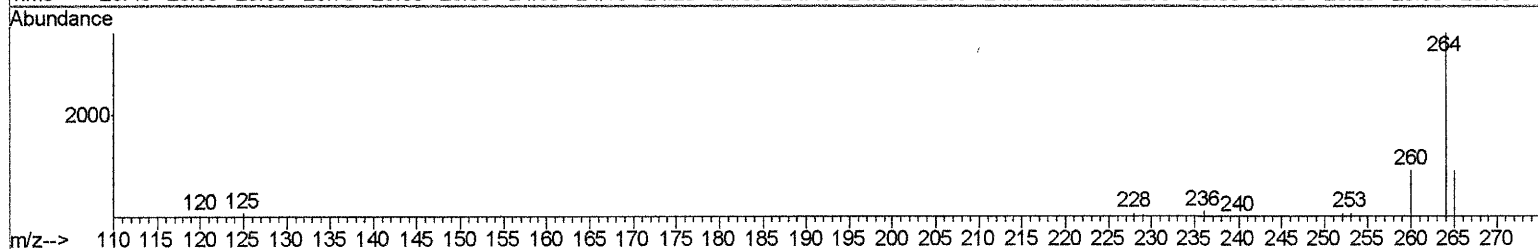
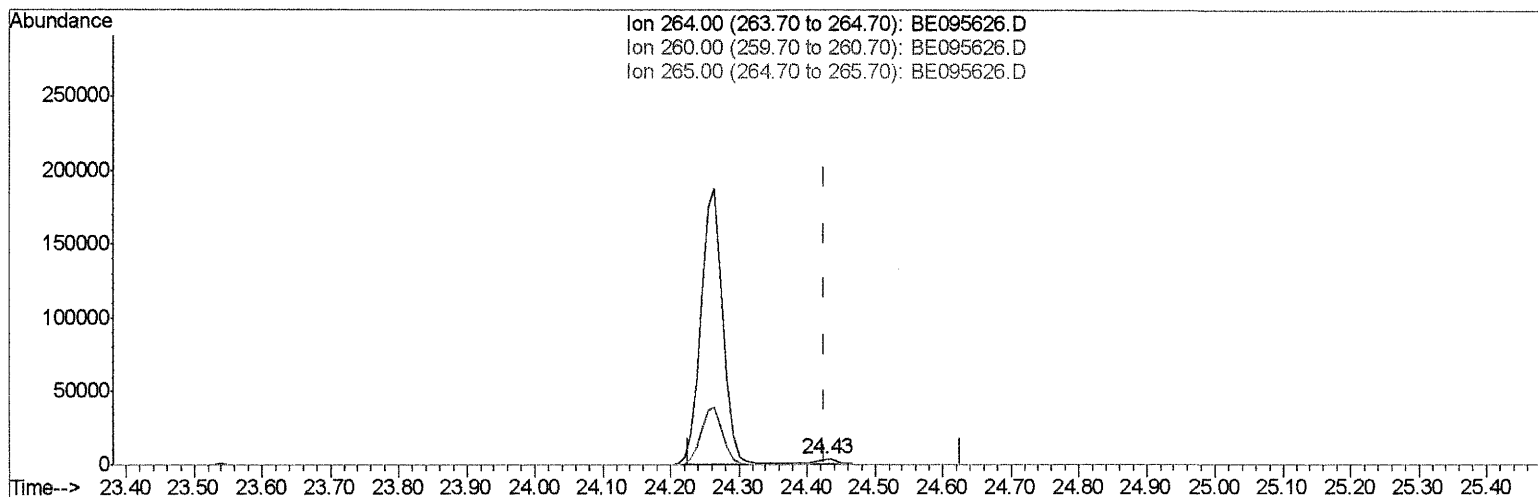
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:10:06 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



(20) Perylene-d12 (I)

24.427min (-0.000) 0.40ng/ul m

SJ 2/13/18

response 7185

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.17
265.00	103.50	25.84#
0.00	0.00	0.00

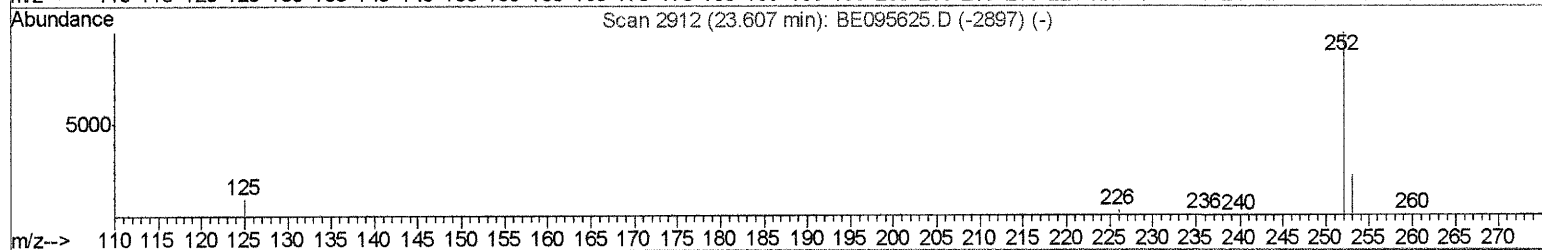
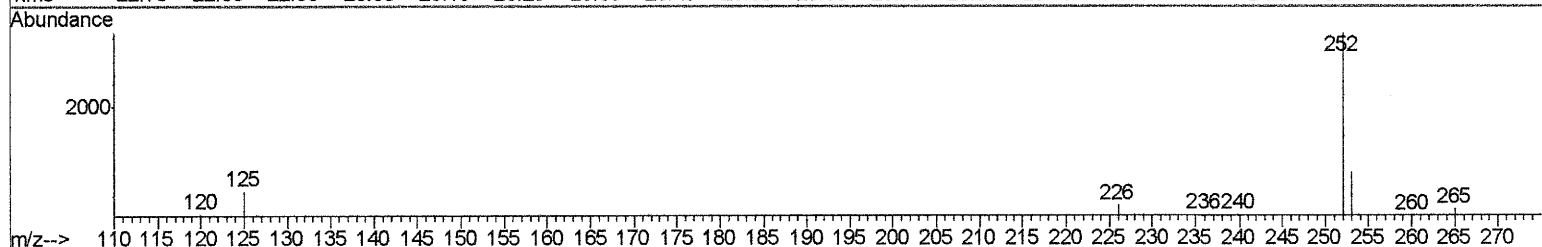
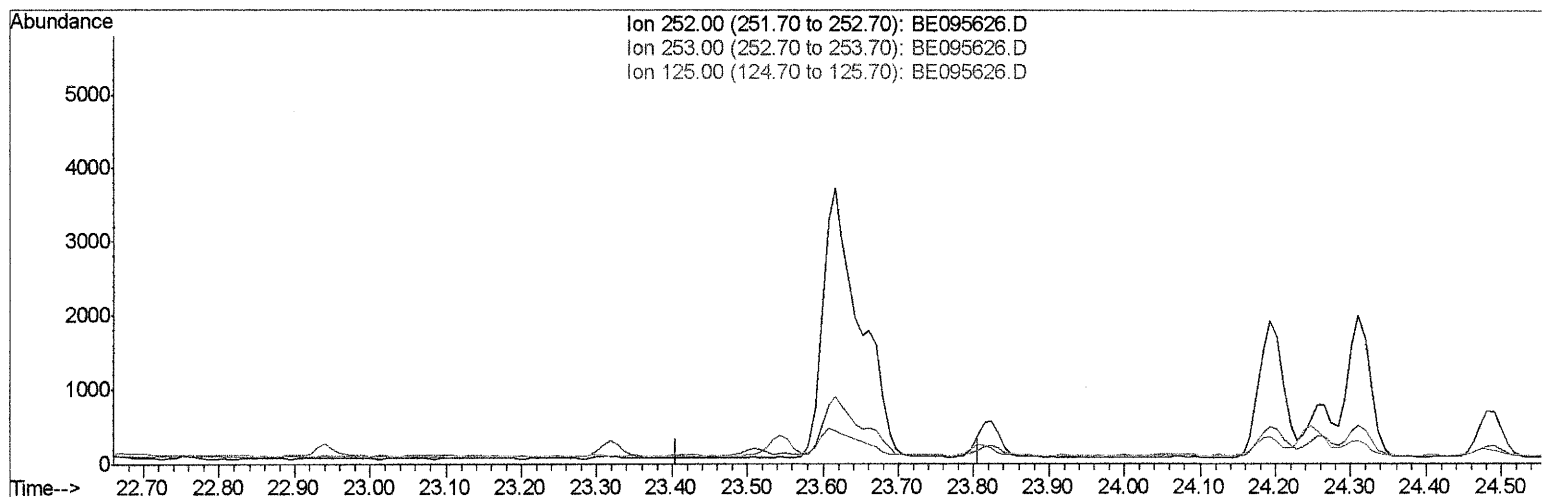
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(21) Benzo(b)fluoranthene

23.607min (-23.607) 0.00ng/ui

response 0

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

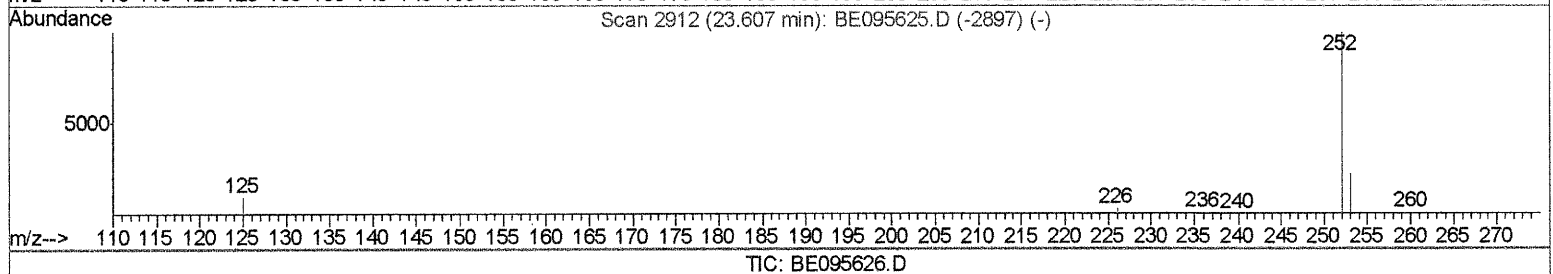
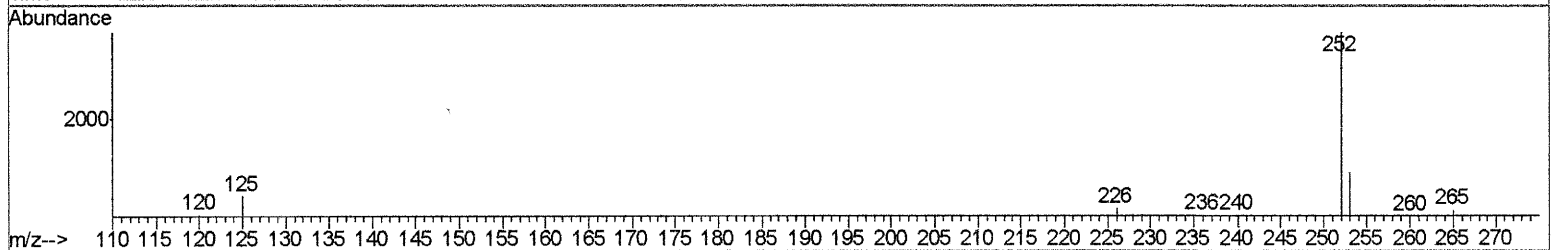
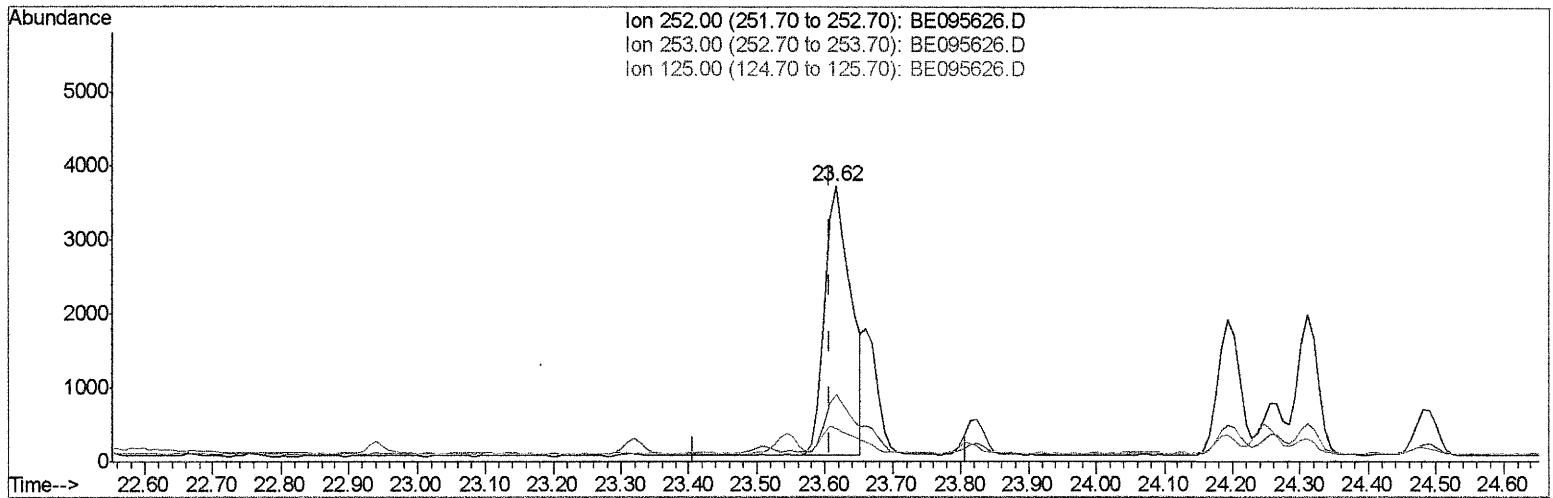
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.616min (+0.009) 0.39ng/ul m

SJ 2/13/18

response 9989

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.63
125.00	17.50	12.26
0.00	0.00	0.00

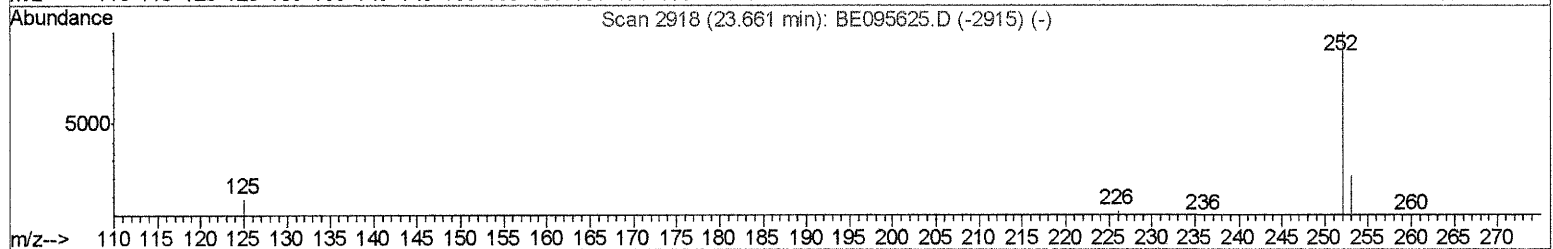
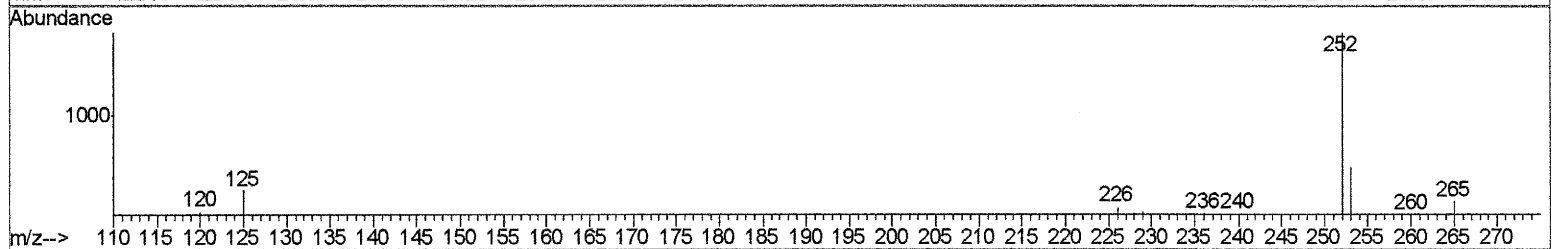
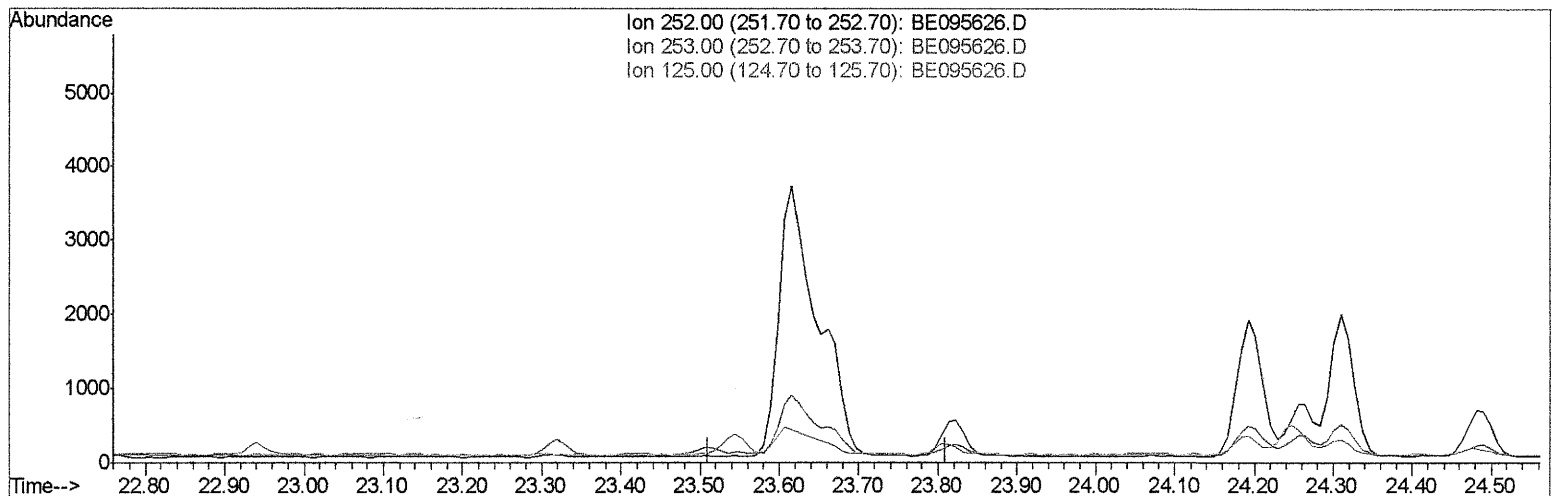
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(22) Benzo(k)fluoranthene

23.661min (-23.661) 0.00ng/ui

response 0

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

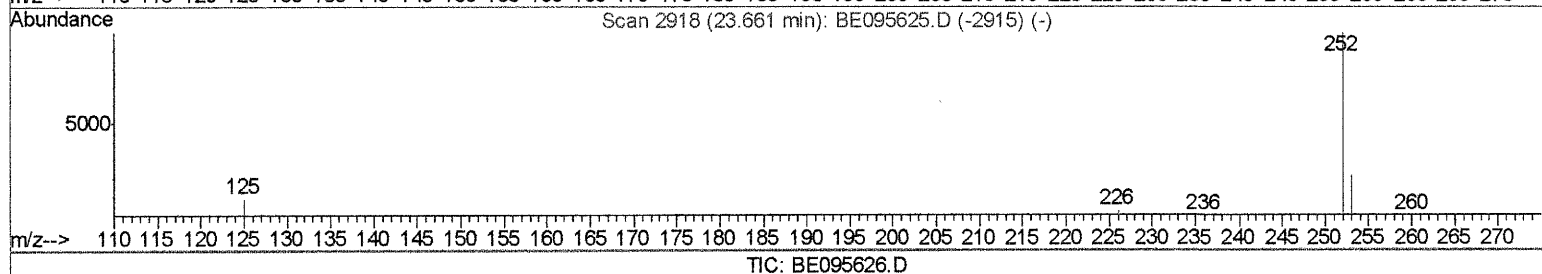
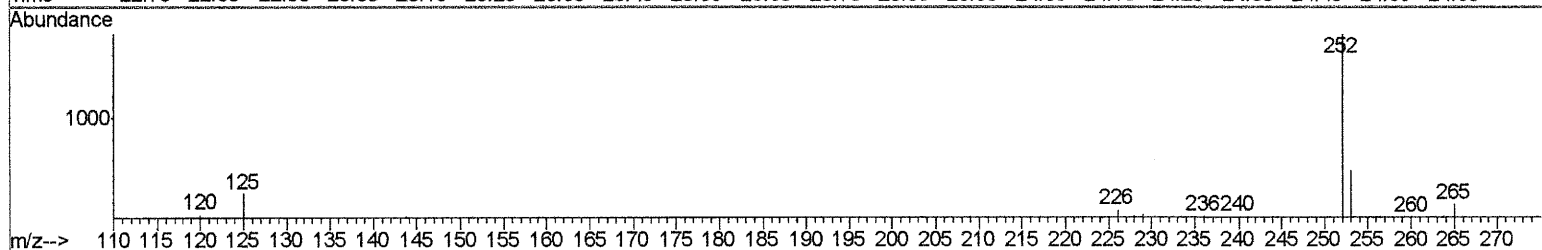
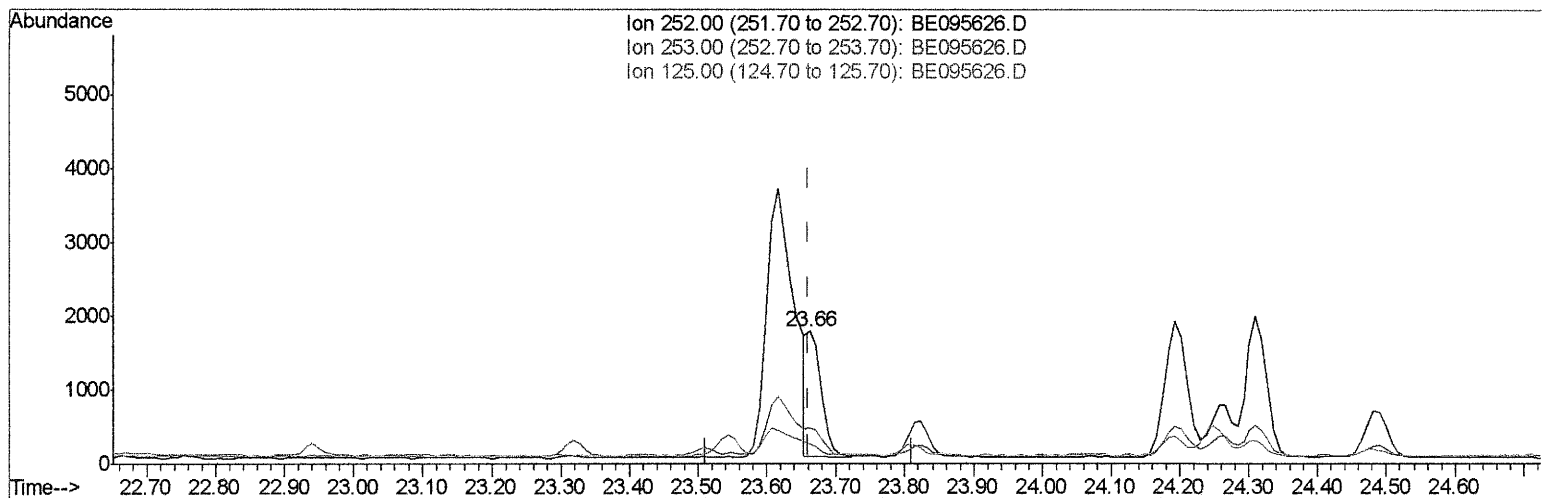
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.661min (-0.000) 0.11ng/ul m

SJ 2/13/18

response 2459

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	27.55
125.00	17.10	15.53
0.00	0.00	0.00

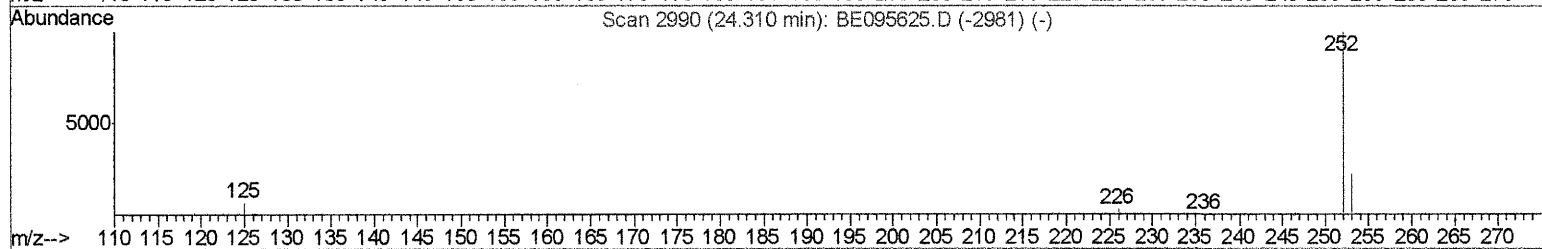
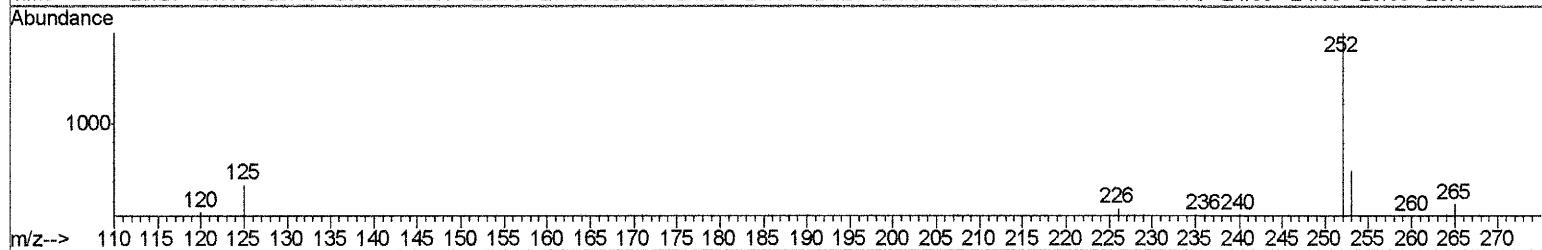
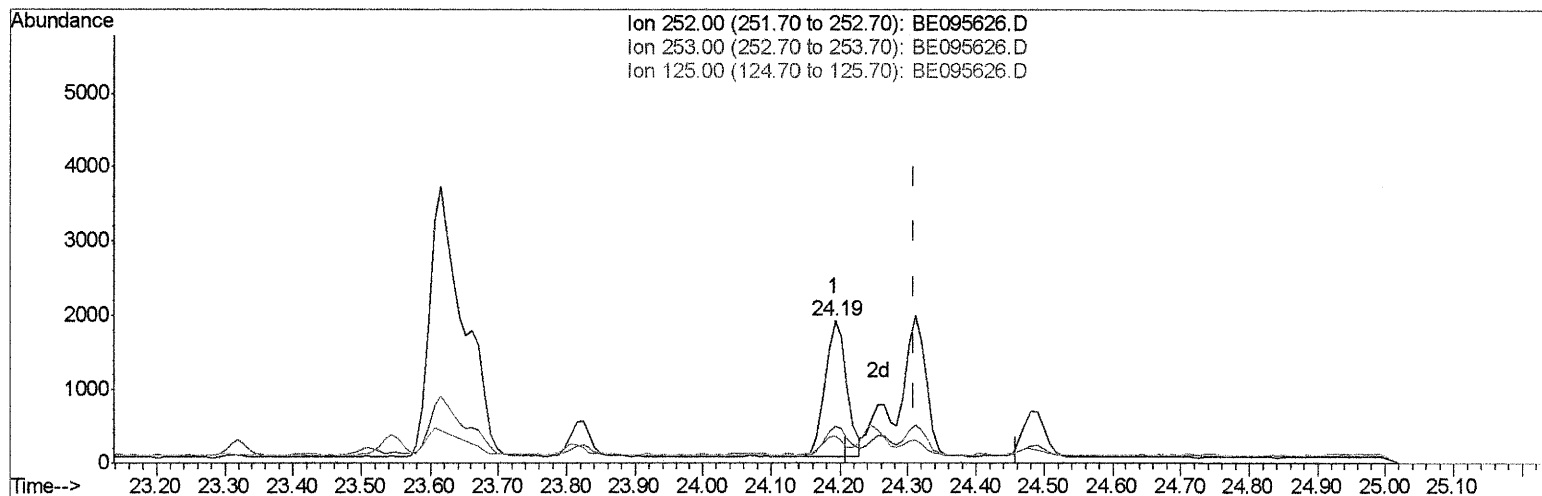
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
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Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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TIC: BE095626.D

(23) Benzo(a)pyrene (C)

24.192min (-0.118) 0.19ng/ul

response 4217

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	26.32#
125.00	22.60	19.13
0.00	0.00	0.00

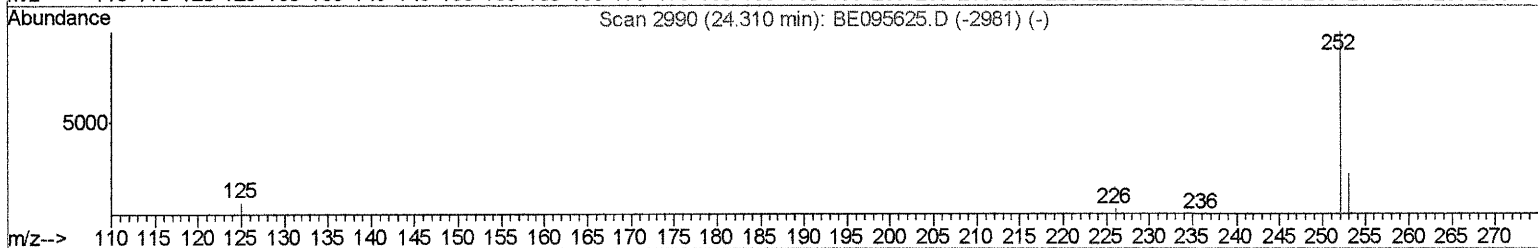
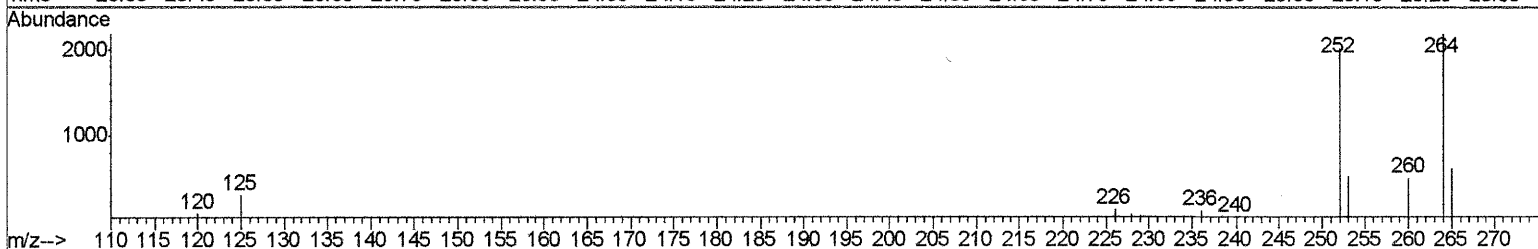
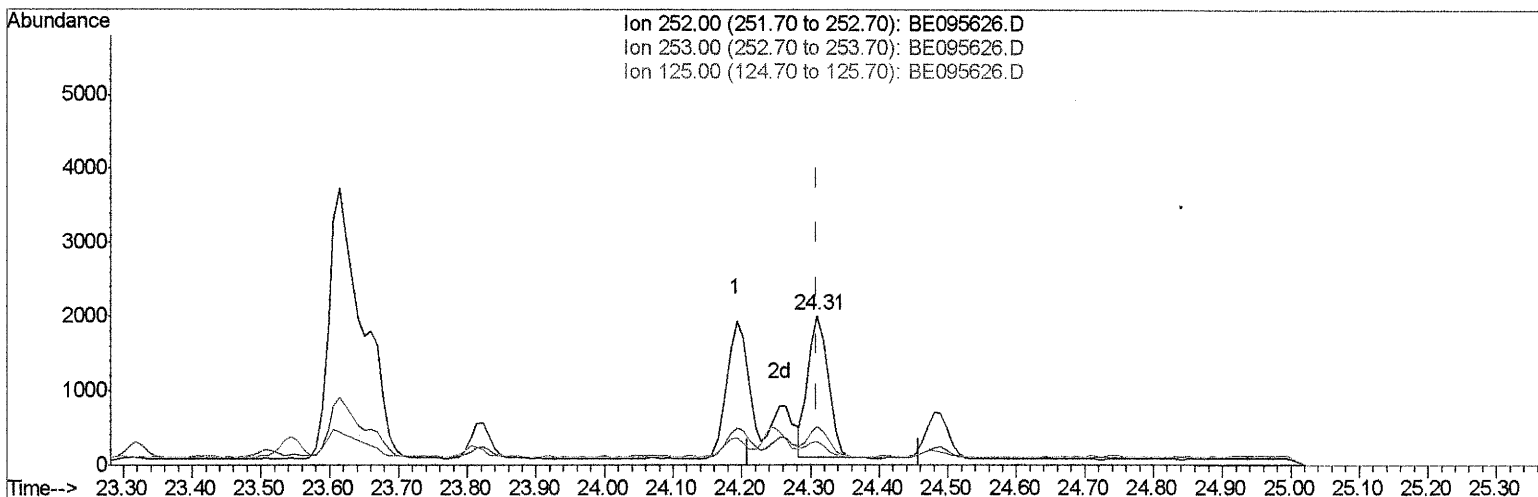
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(23) Benzo(a)pyrene (C)

24.310min (-0.000) 0.17ng/ul m

SJ 2/13/18

response 3901

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	26.21#
125.00	22.60	15.74#
0.00	0.00	0.00

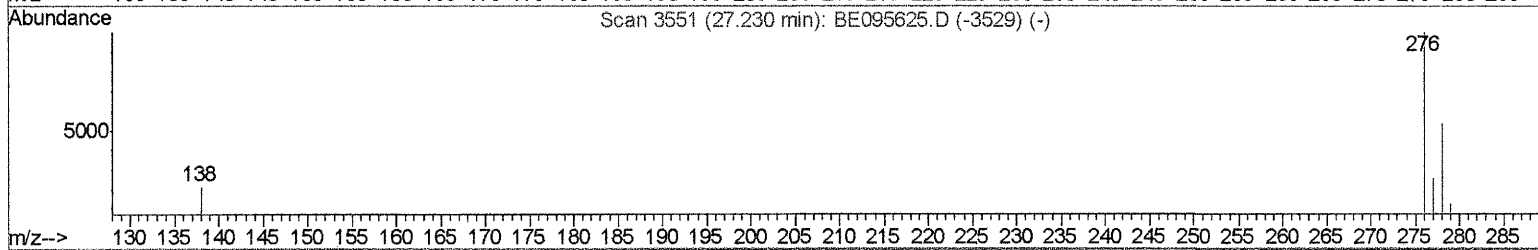
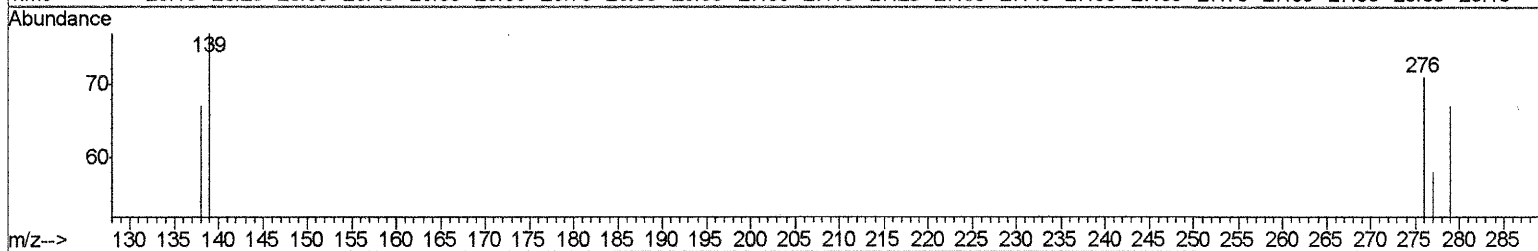
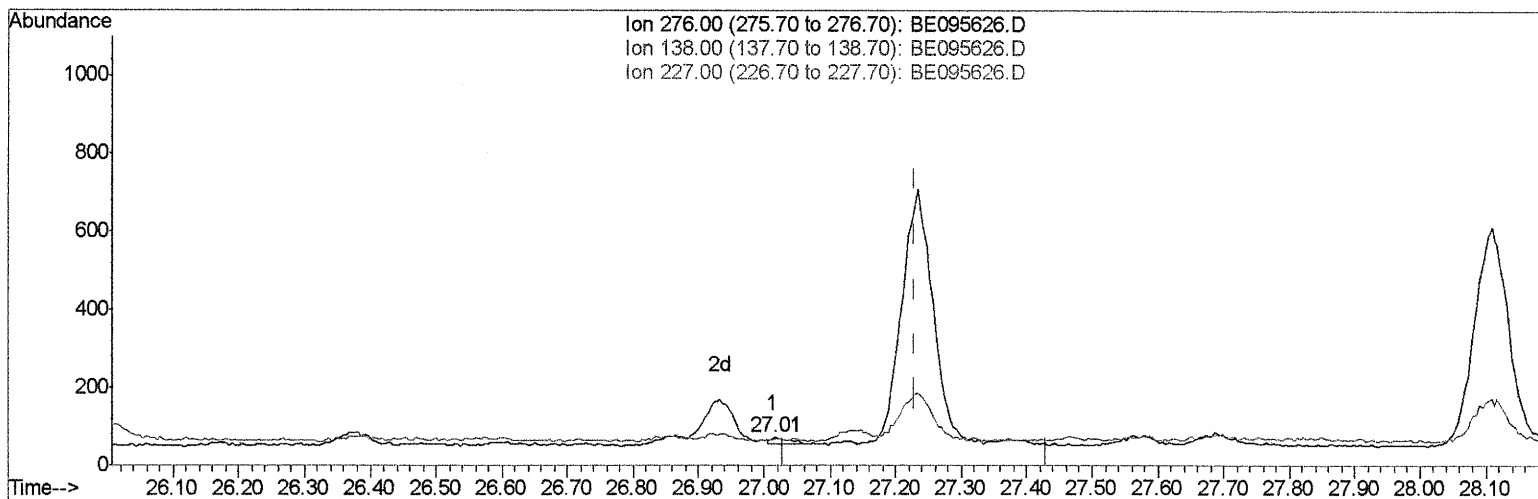
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BE095626.D

(24) Indeno(1,2,3-cd)pyrene

27.014min (-0.216) 0.00ng/ul

response 30

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	20.00#
227.00	10.00	0.00#
0.00	0.00	0.00

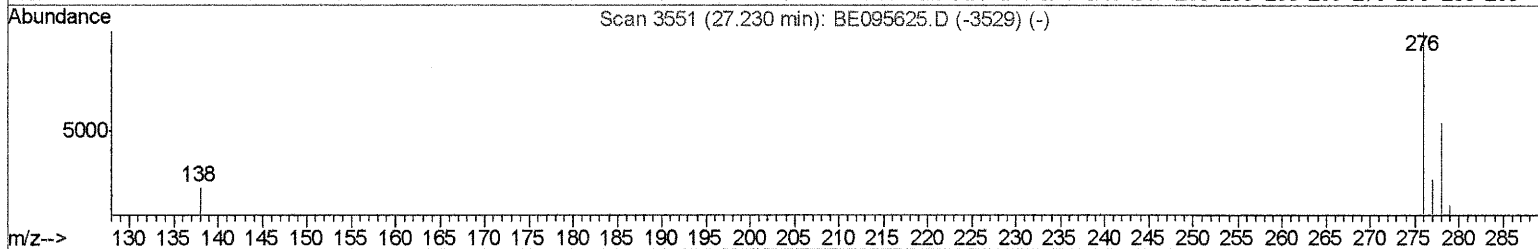
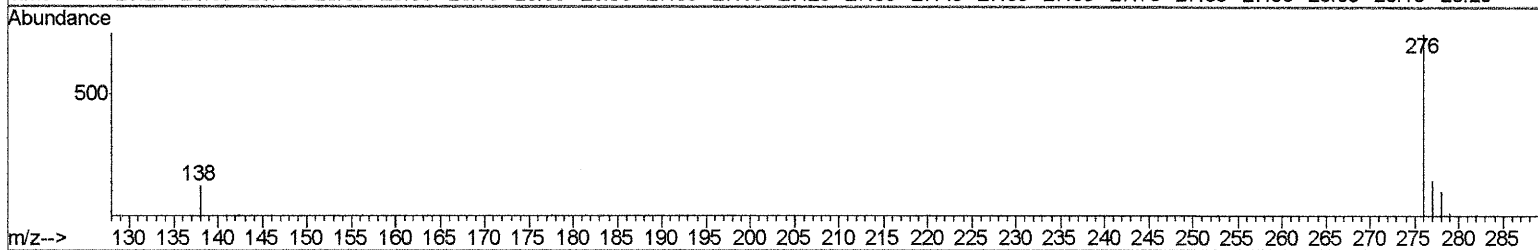
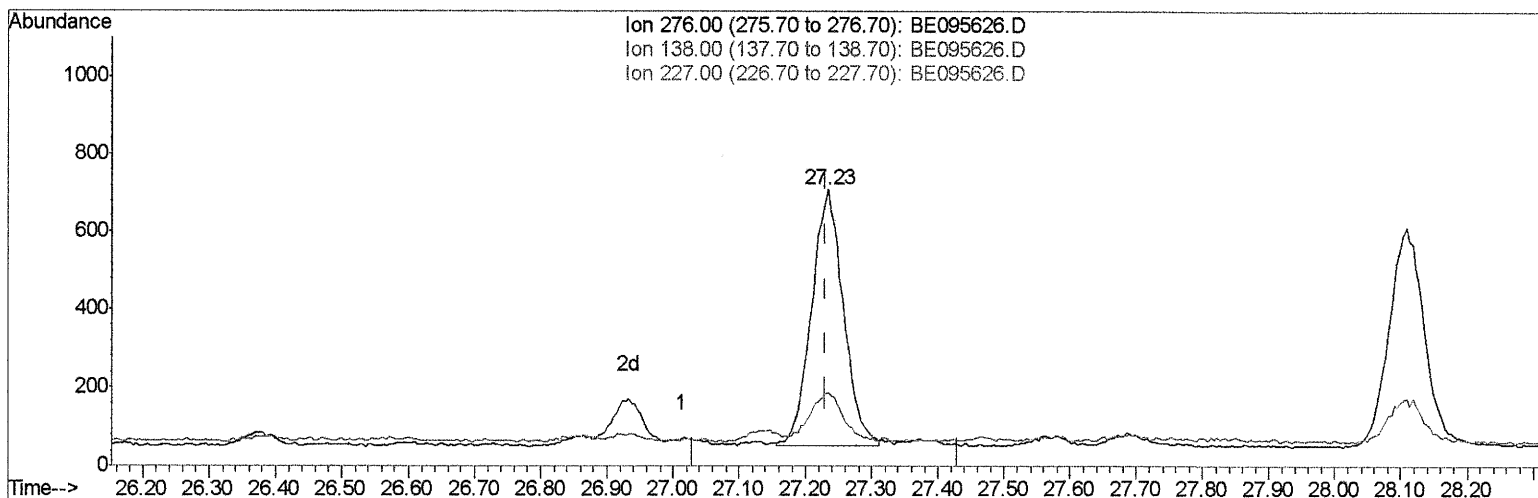
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(24) Indeno(1,2,3-cd)pyrene

27.233min (+0.003) 0.09ng/ul m

SJ 2/13/18

response 2173

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.28#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

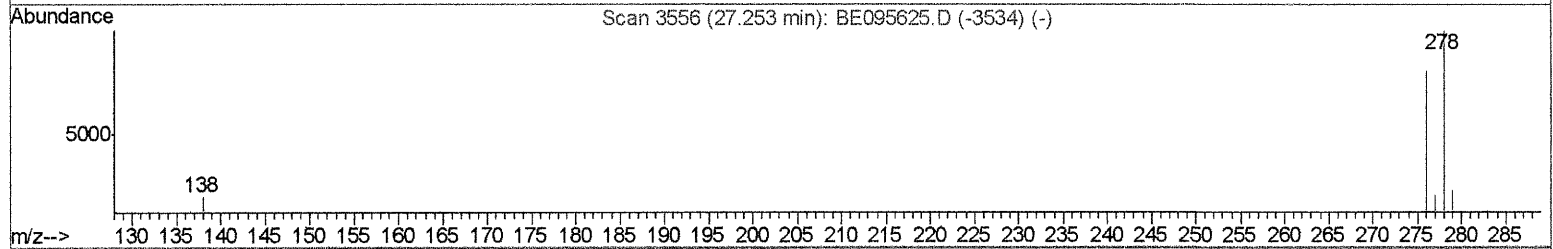
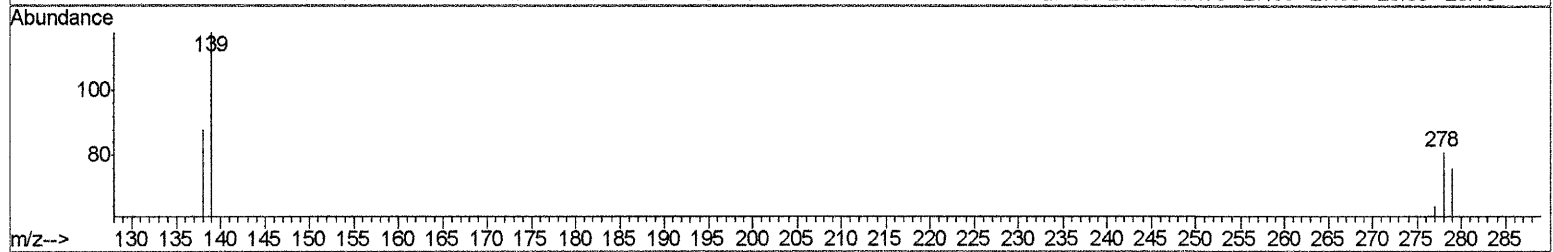
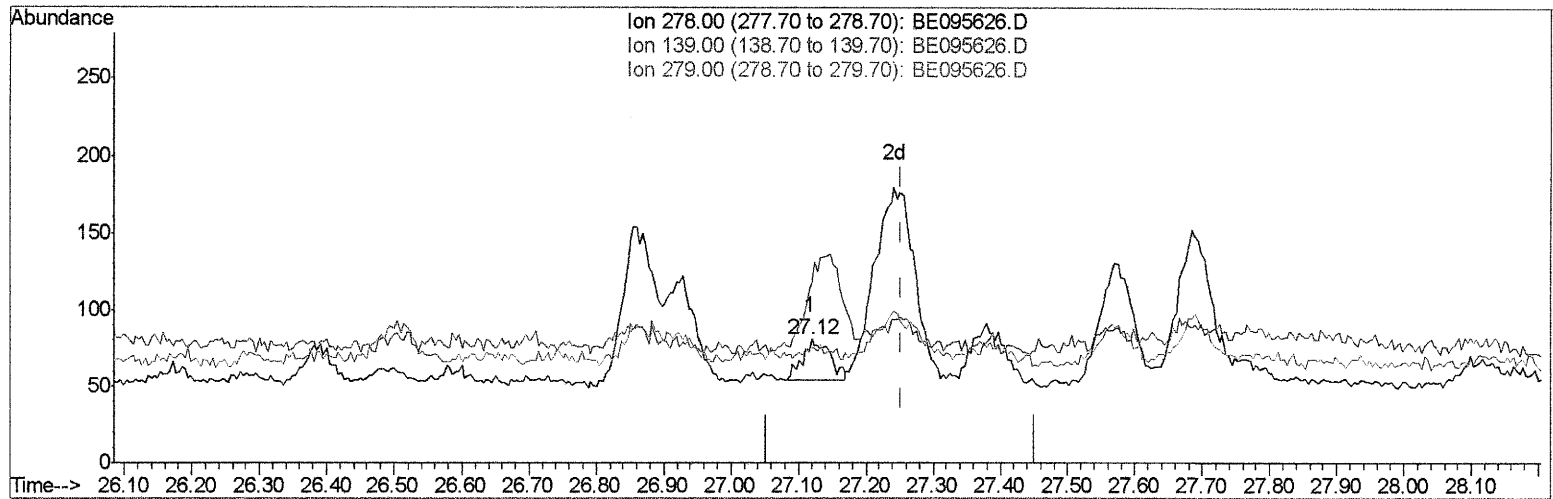
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
 Data File : BE095626.D
 Acq On : 10 Feb 2018 2:23
 Operator : SJ/JU
 Sample : J1339-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6D40

Manual Integrations
 APPROVED

Sohil
 2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 10 02:59:57 2018
 Response via : Initial Calibration



TIC: BE095626.D

(25) Dibenzo(a,h)anthracene

27.119min (-0.134) 0.00ng/ul

response 77

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	145.68#
279.00	32.40	93.83#
0.00	0.00	0.00

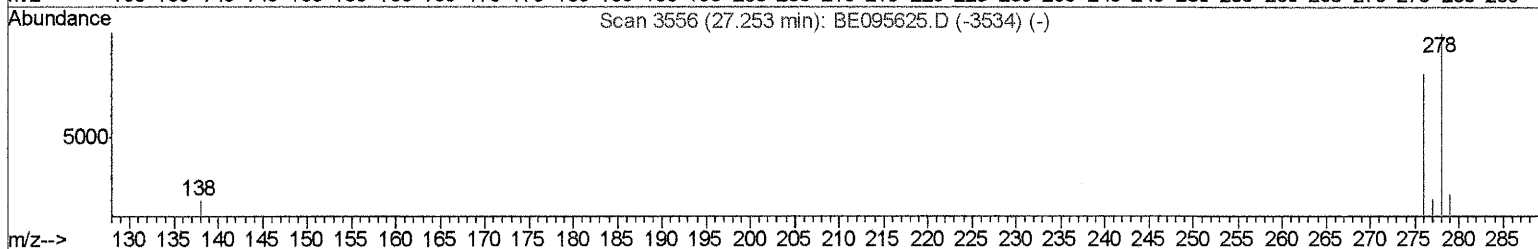
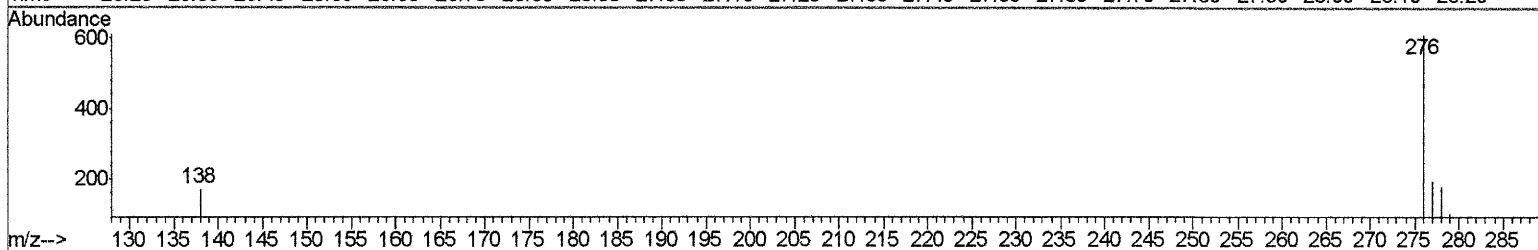
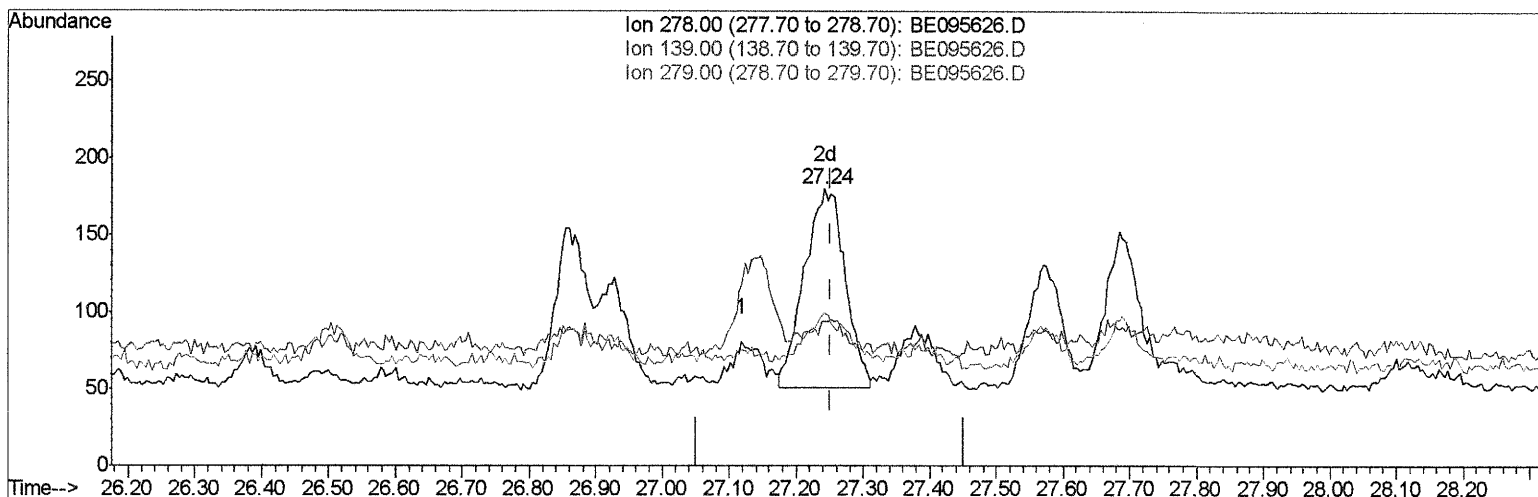
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(25) Dibenzo(a,h)anthracene

27.242min (-0.011) 0.03ng/ul m

SJ 2/13/18

response 546

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	52.22#
279.00	32.40	55.56#
0.00	0.00	0.00

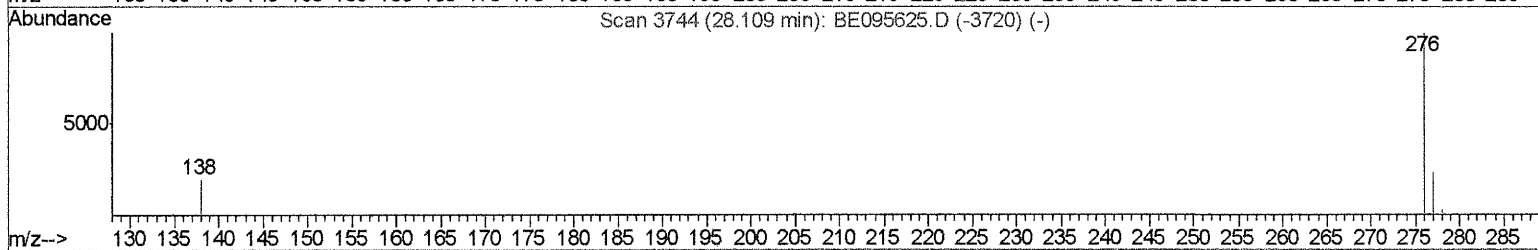
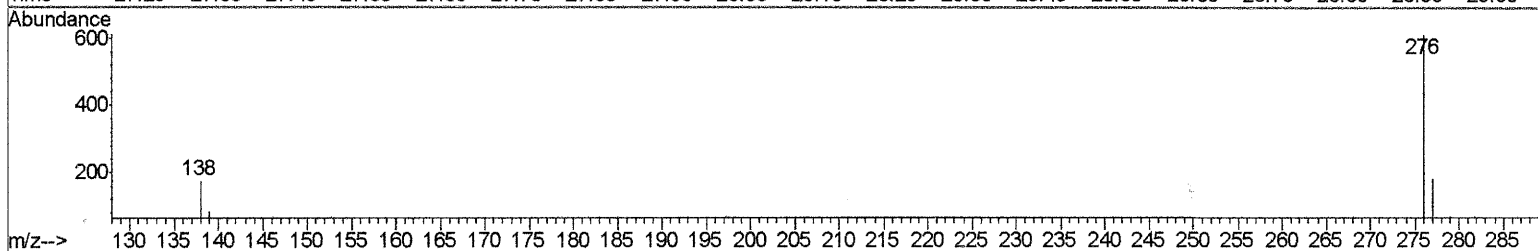
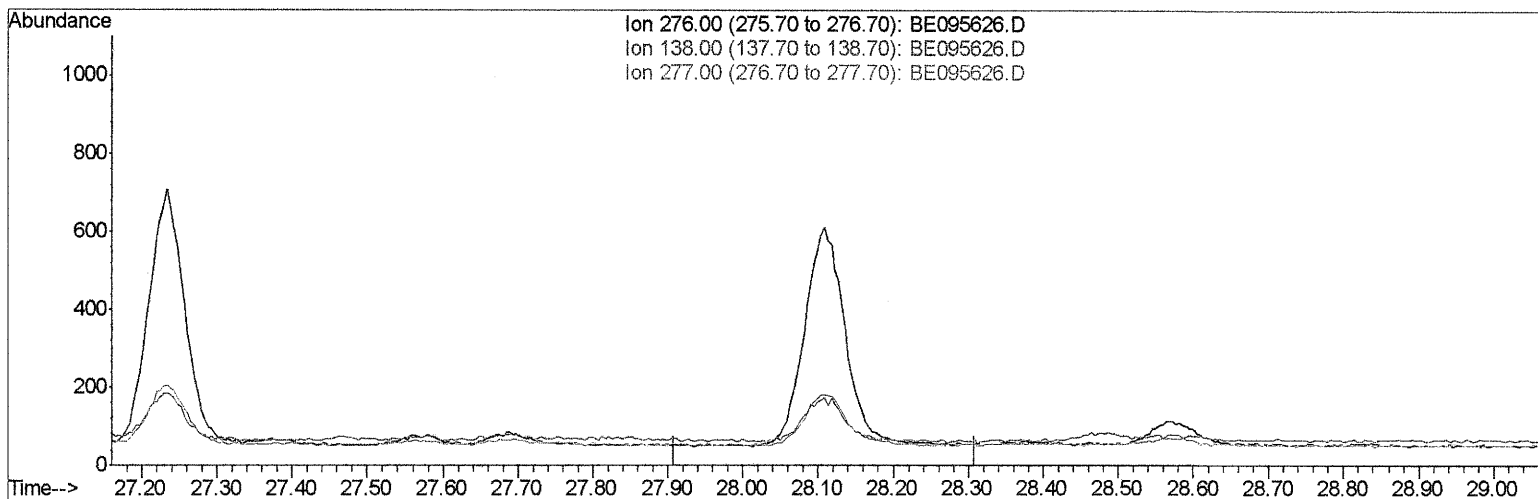
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



TIC: BE095626.D

(26) Benzo(g,h,i)perylene

28.109min (-28.109) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
138.00	27.30	0.00#
277.00	25.60	0.00#
0.00	0.00	0.00

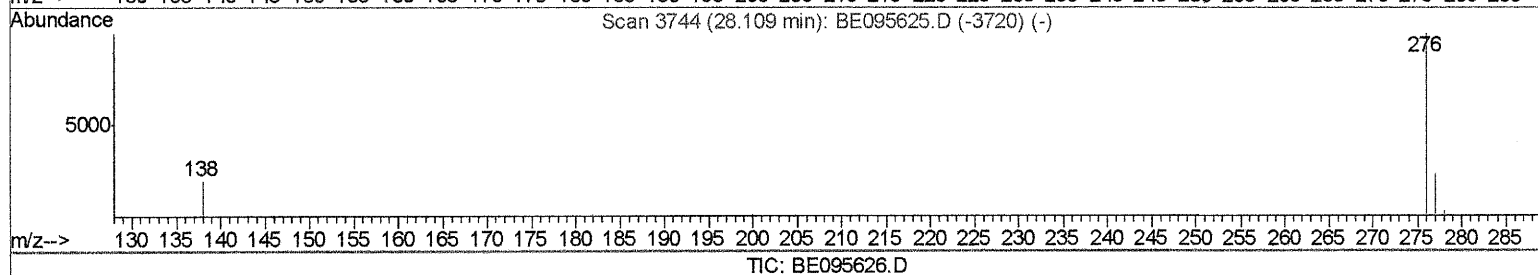
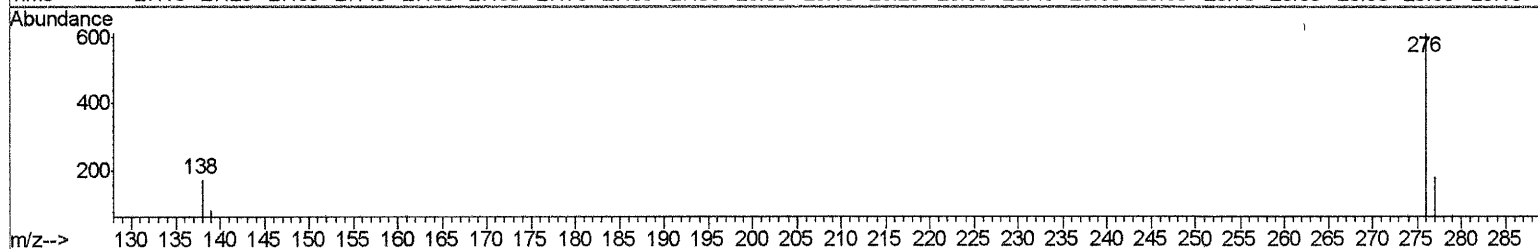
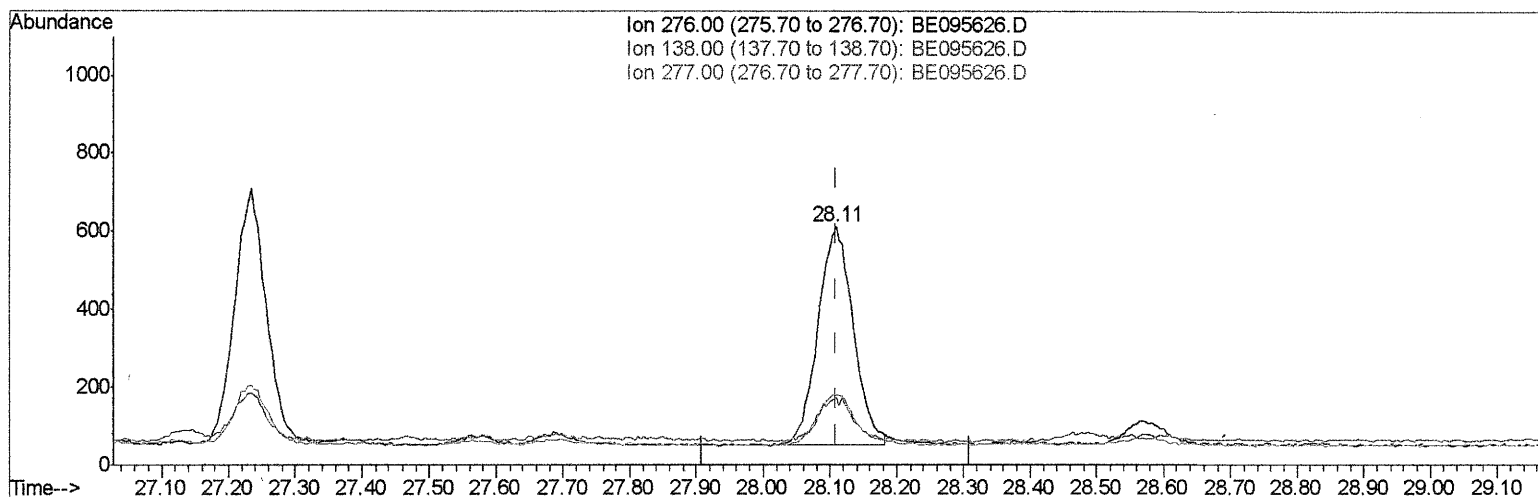
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095626.D
Acq On : 10 Feb 2018 2:23
Operator : SJ/JU
Sample : J1339-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F6D40

Manual Integrations
APPROVED

Sohil
2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:11:41 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration



(26) Benzo(g,h,i)perylene

28.108min (-0.001) 0.10ng/ul m

SJ 2/13/18

response 2044

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	28.48
277.00	25.60	29.62
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
 Data File : BE095626.D
 Acq On : 10 Feb 2018 2:23
 Operator : SJ/JU
 Sample : J1339-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F6D40

Manual Integrations
 APPROVED

Sohil
 2/12/2018 11:39:31 AM

Quant Time: Feb 10 03:17:37 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 10 02:59:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1920	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5560	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	3606	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	8240	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	7679	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	7185m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.81	152	2252	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	6191	0.20	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.74	152	665	0.038	ng/ul#	79
8) Acenaphthene	15.07	153	807	0.060	ng/ul#	92
9) Fluorene	16.02	166	2477	0.178	ng/ul	94
11) Pentachlorophenol	17.36	266	65484	41.030	ng/ul	98
12) Phenanthrene	17.75	178	61974m	2.236	ng/ul	
13) Anthracene	17.84	178	6923	0.273	ng/ul	95
15) Fluoranthene	19.72	202	64304	1.792	ng/ul	82
17) Pyrene	20.07	202	47241m	1.833	ng/ul	
18) Benzo(a)anthracene	21.78	228	13879	0.578	ng/ul#	85
19) Chrysene	21.84	228	10093	0.405	ng/ul	97
21) Benzo(b)fluoranthene	23.62	252	9989m	0.394	ng/ul	
22) Benzo(k)fluoranthene	23.66	252	2459m	0.106	ng/ul	
23) Benzo(a)pyrene	24.31	252	3901m	0.172	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.23	276	2173m	0.088	ng/ul	
25) Dibenzo(a,h)anthracene	27.24	278	546m	0.027	ng/ul	
26) Benzo(a,h,i)perylene	28.11	276	2044m	0.097	ng/ul	

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SJ 2/13/18

} SJ 2/13/18

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