

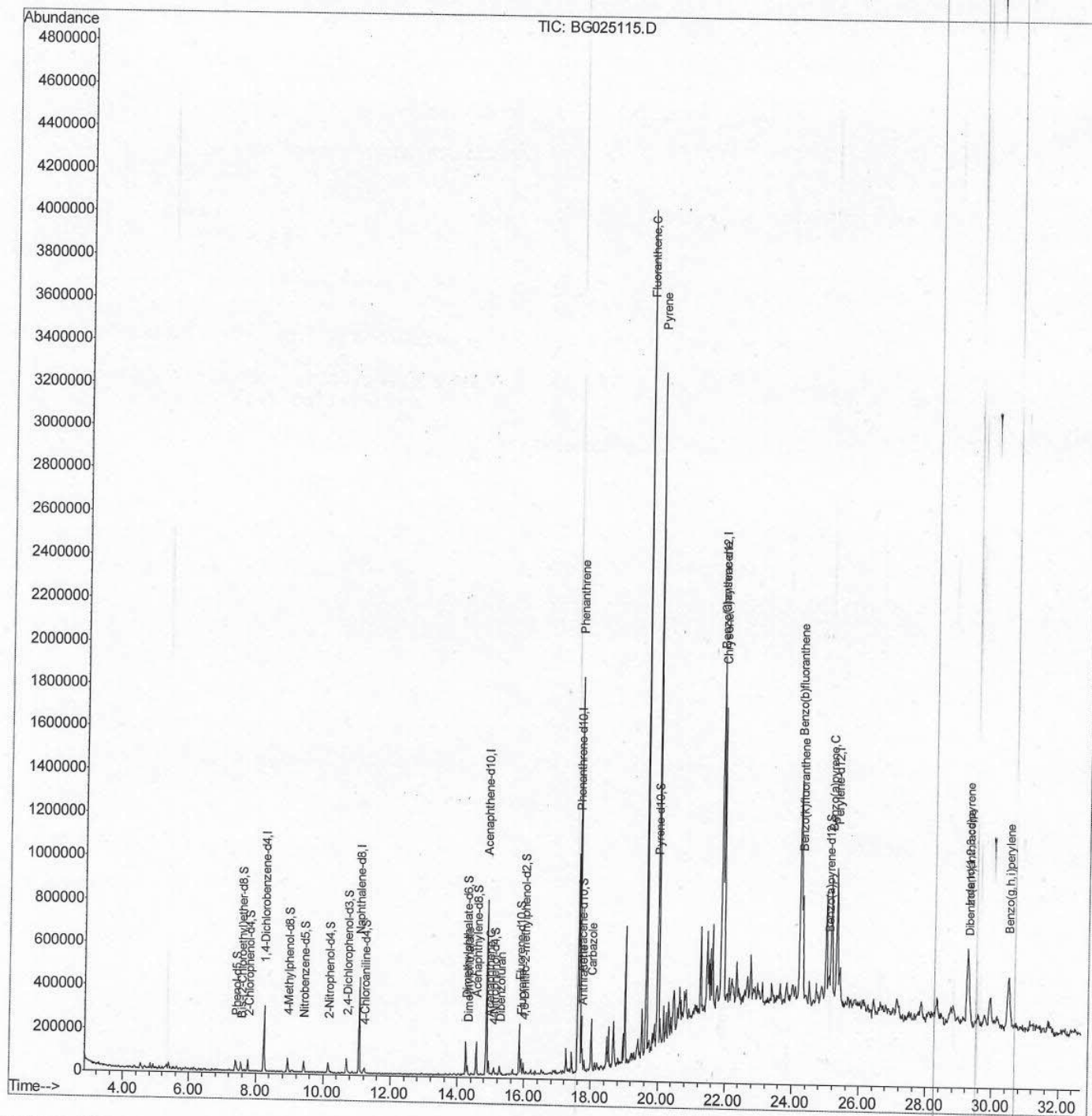
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121216\
Data File : BG025115.D
Acq On : 12 Dec 2016 15:28
Operator : UM/SJ
Sample : H5860-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DA8E2

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:49:27 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



Data Path : Z:\HPCHEM1\BNA_G\Data\BG121216\
Data File : BG025114.D
Acq On : 12 Dec 2016 14:03
Operator : UM/SJ
Sample : H5860-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8E2

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:44 PM

Quant Time: Dec 13 12:37:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	25.15	252	697660	18.13	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.25	276	998994m	20.89	ng/ul	
90) Dibenzo(a,h)anthracene	29.31	278	566209m	14.05	ng/ul	
91) Benzo(g,h,i)perylene	30.47	276	119199m	2.99	ng/ul	

} um
12/13/16

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

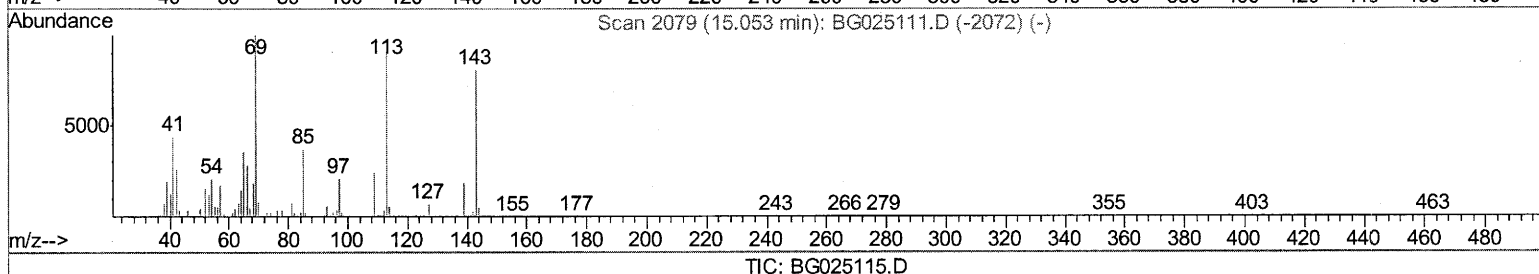
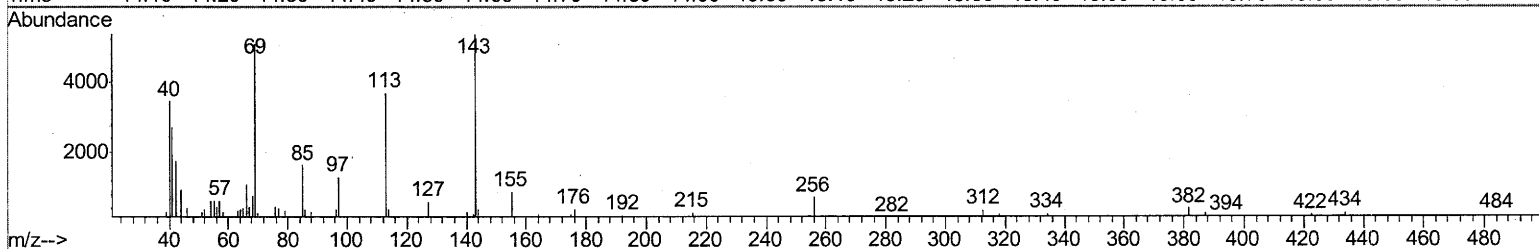
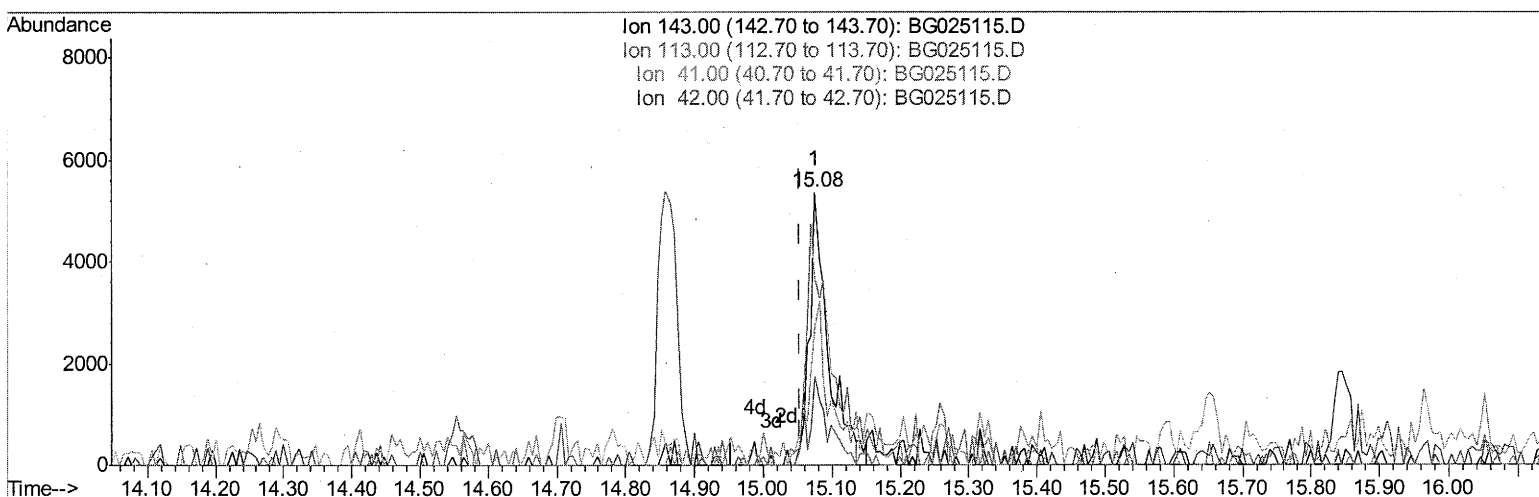
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025115.D
Acq On : 12 Dec 2016 15:28
Operator : UM/SJ
Sample : H5860-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DA8E2

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



TIC: BG025115.D

(51) 4-Nitrophenol-d4 (S)

15.076min (+0.022) 2.79ng/ul

response 10000

Ion	Exp%	Act%
143.00	100	100
113.00	117.30	68.89#
41.00	58.00	50.62
42.00	42.20	32.64#

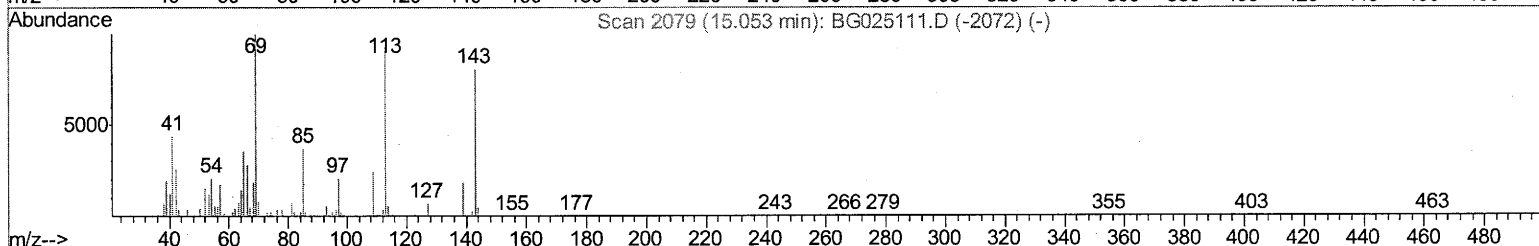
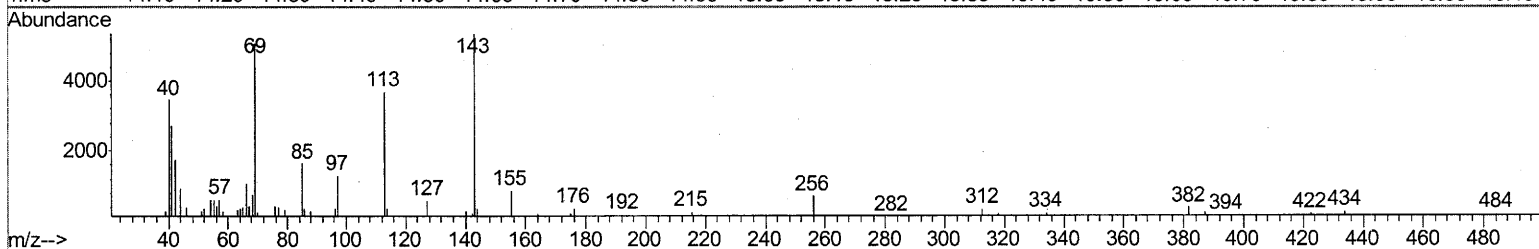
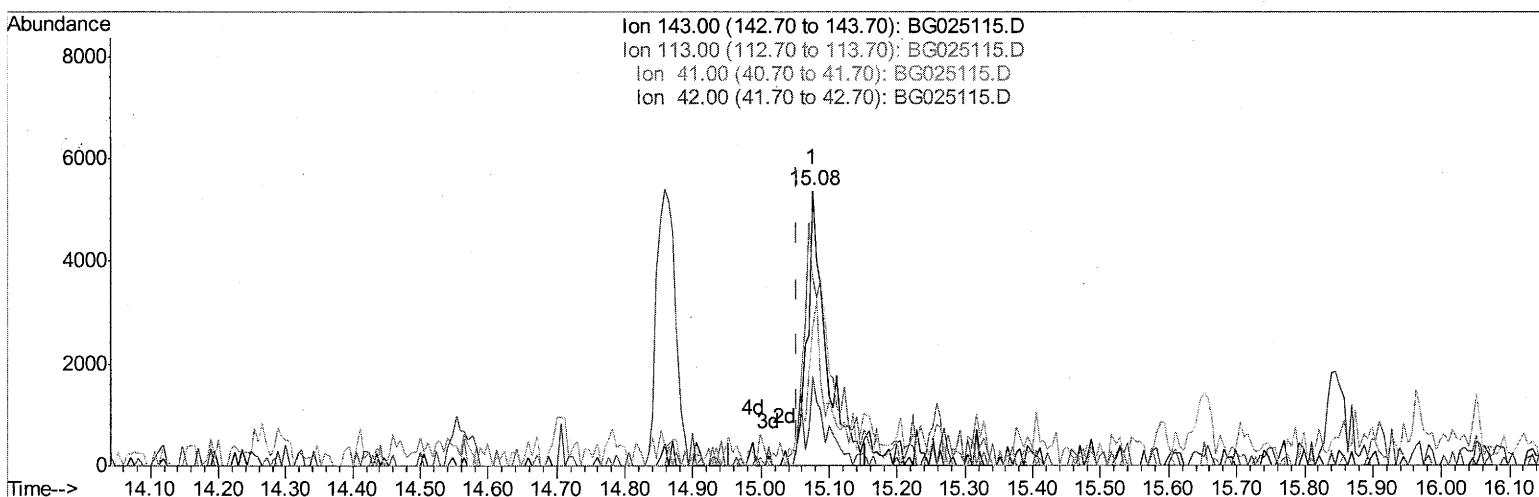
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025115.D
Acq On : 12 Dec 2016 15:28
Operator : UM/SJ
Sample : H5860-15 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8E2

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



TIC: BG025115.D

(51) 4-Nitrophenol-d4 (S)

15.076min (+0.022) 2.86ng/ul m

response 10255

Ion	Exp%	Act%
143.00	100	100
113.00	117.30	68.89#
41.00	58.00	50.62
42.00	42.20	32.64#

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Quantitation Report (Qedit)

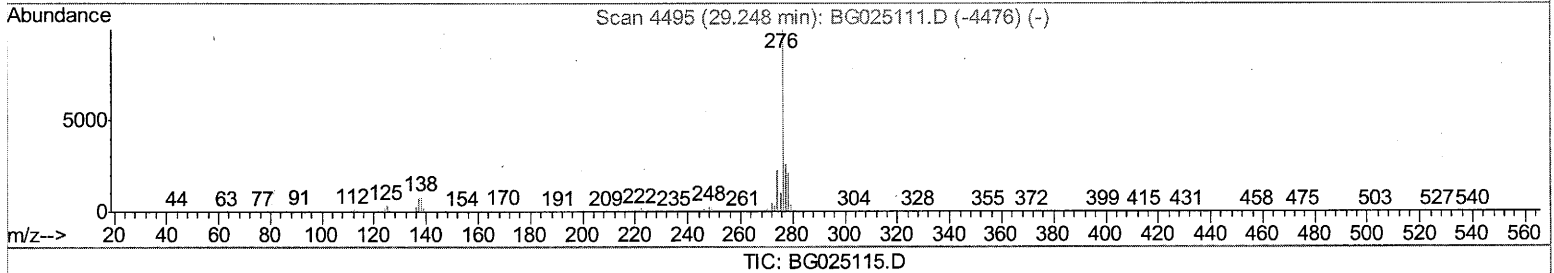
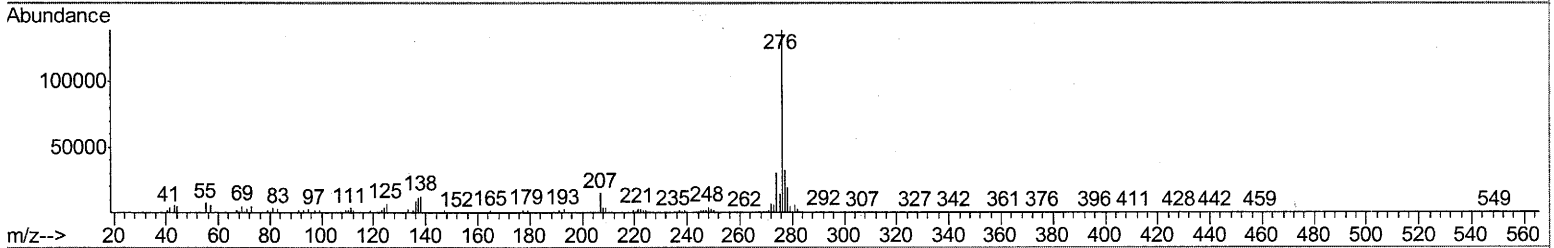
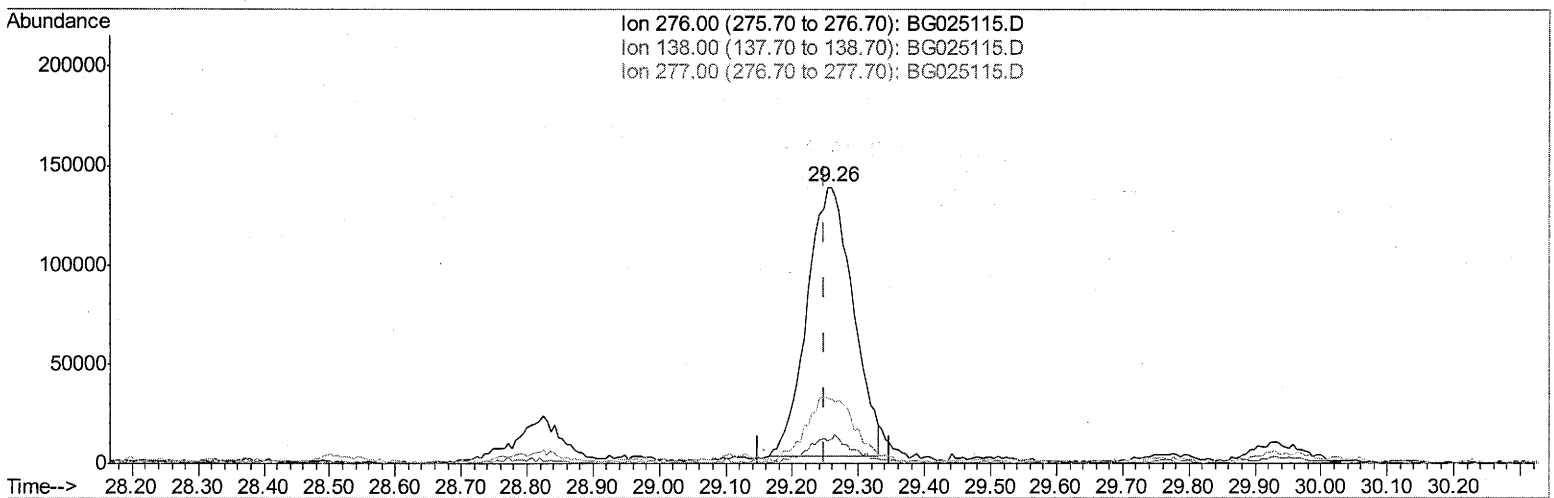
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 DA8E2

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration



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

29.259min (+0.011) 13.91ng/ul

response 649927

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.26
277.00	23.30	23.37
0.00	0.00	0.00

Quantitation Report (Qedit)

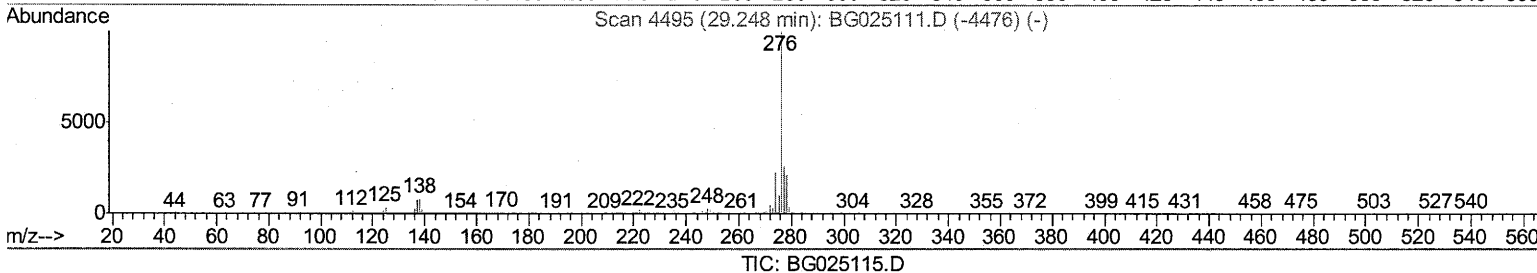
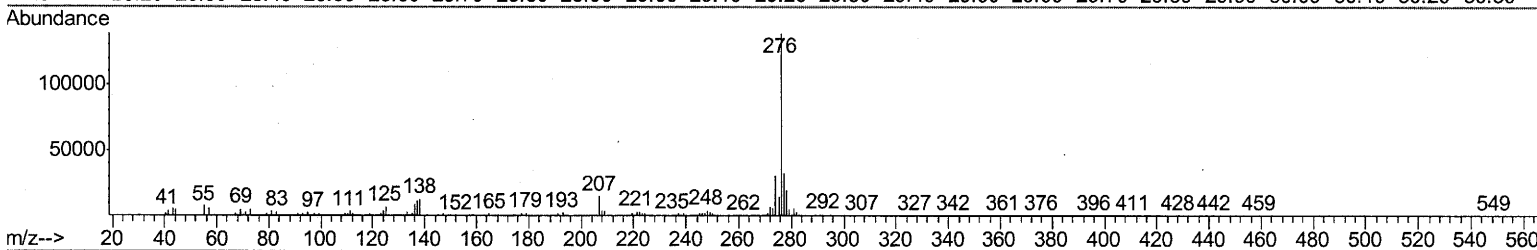
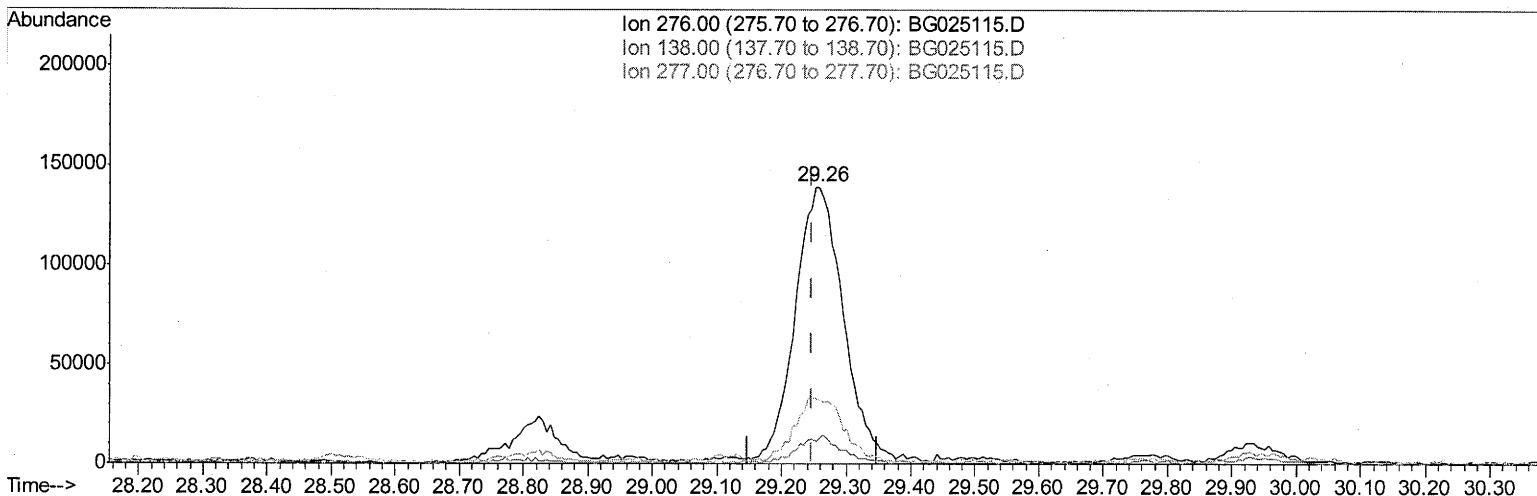
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 DA8E2

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration



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

29.259min (+0.011) 15.33ng/ul m

response 716359

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.26
277.00	23.30	23.37
0.00	0.00	0.00

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 12/13/16

Quantitation Report (Qedit)

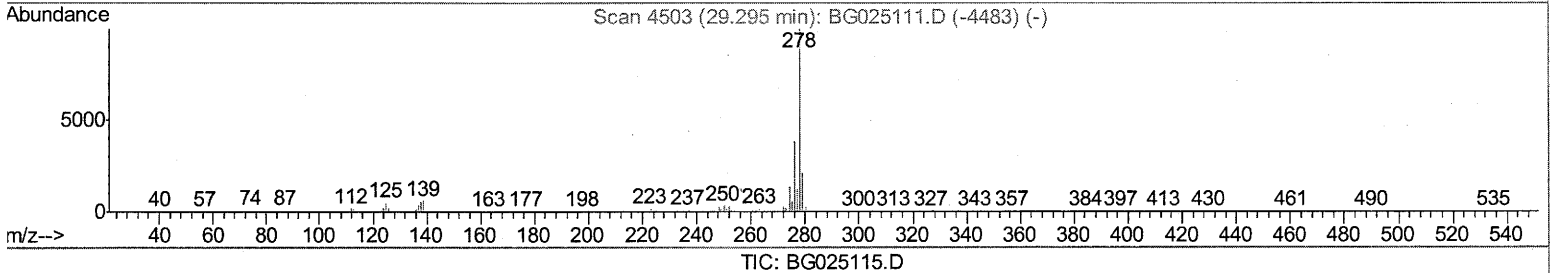
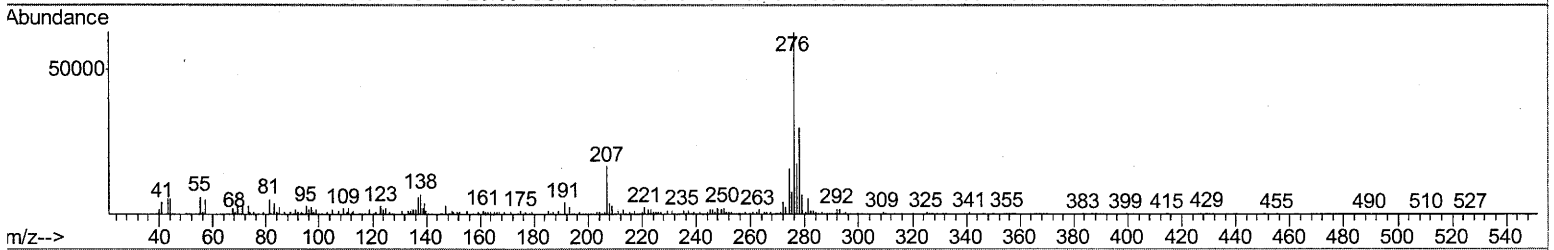
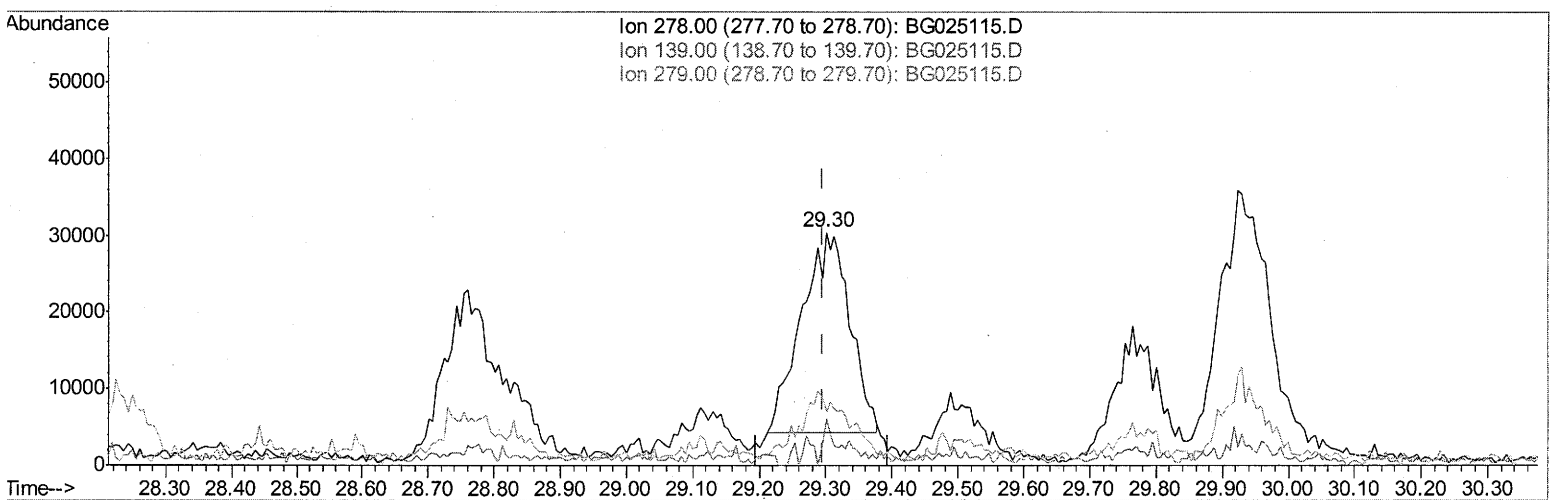
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 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 DA8E2

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.300min (+0.005) 3.35ng/ul

response 132008

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	24.86#
279.00	26.10	22.96
0.00	0.00	0.00

Quantitation Report (Qedit)

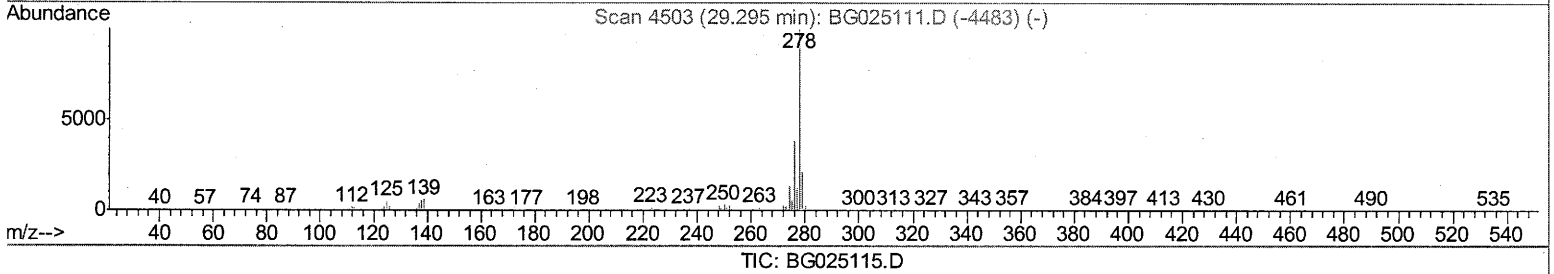
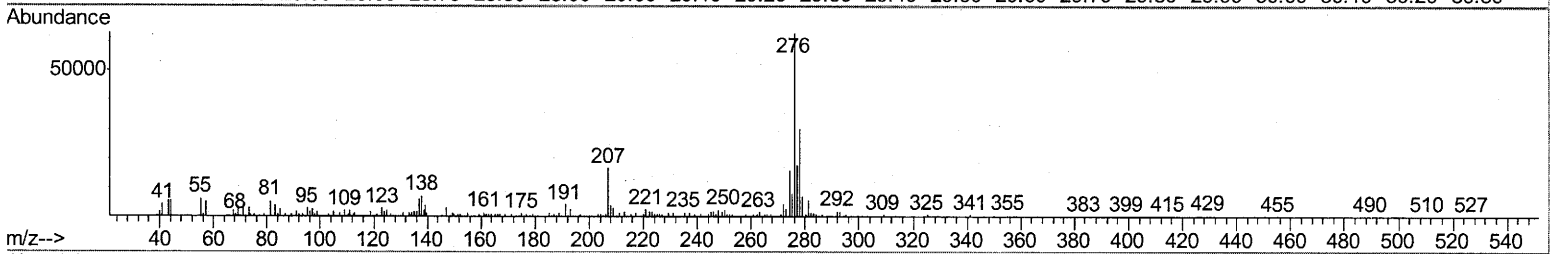
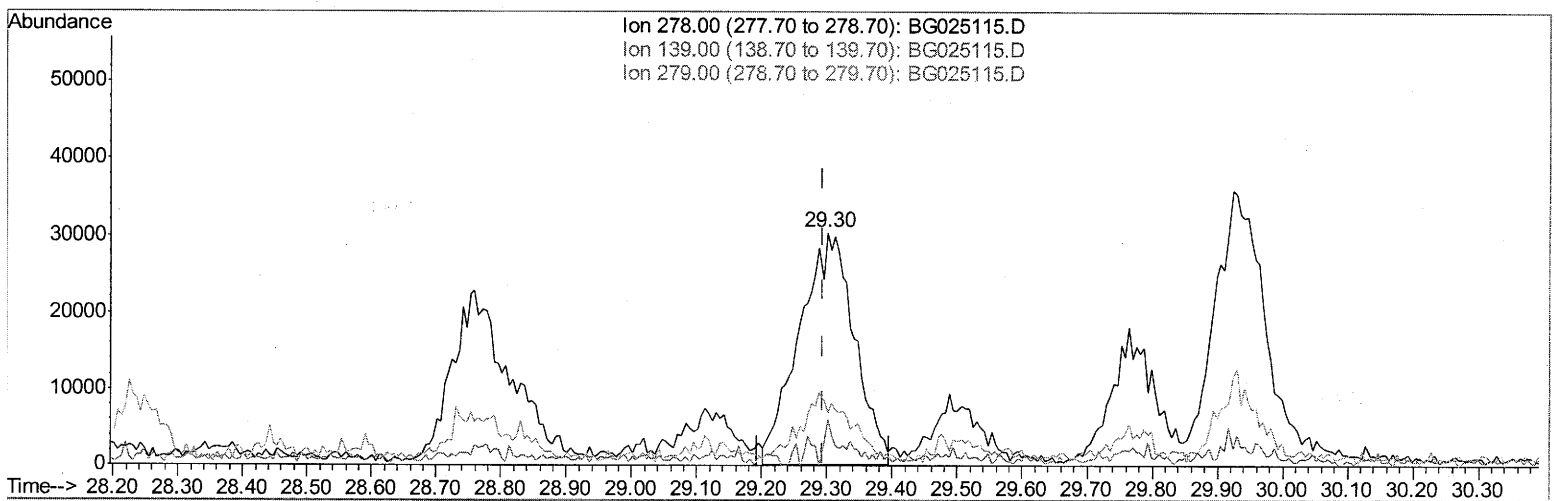
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 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8E2

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.300min (+0.005) 4.50ng/ul m

response 177085

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	12.67#
279.00	26.10	22.96
0.00	0.00	0.00

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Quantitation Report (Qedit)

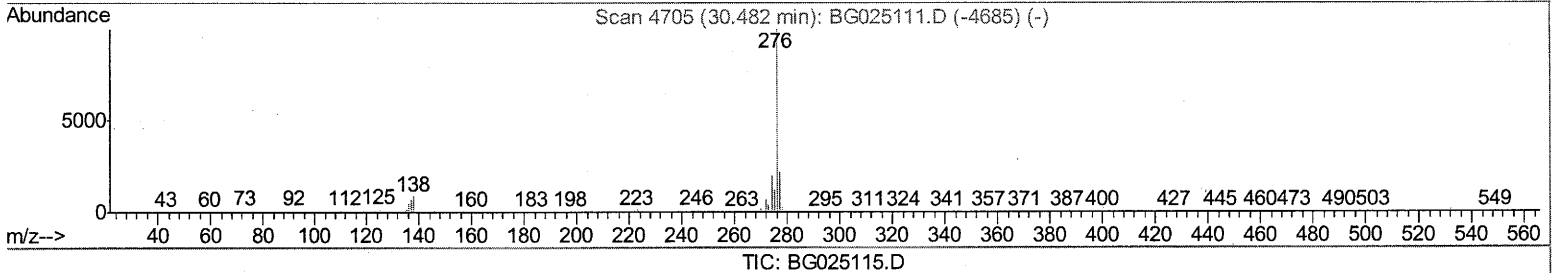
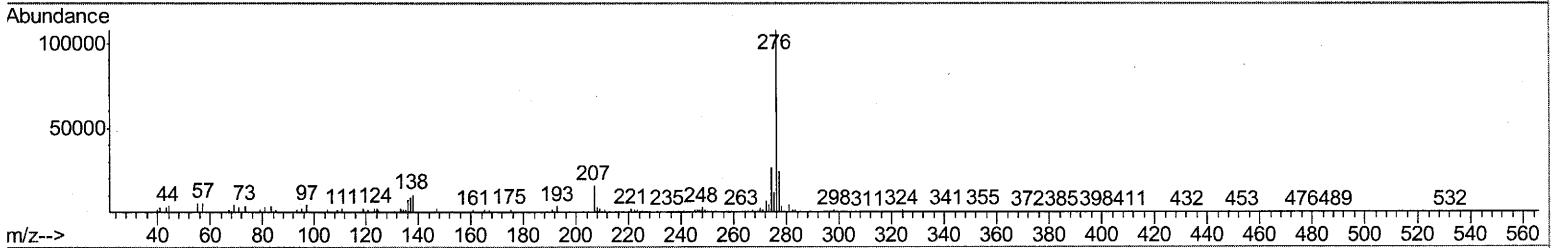
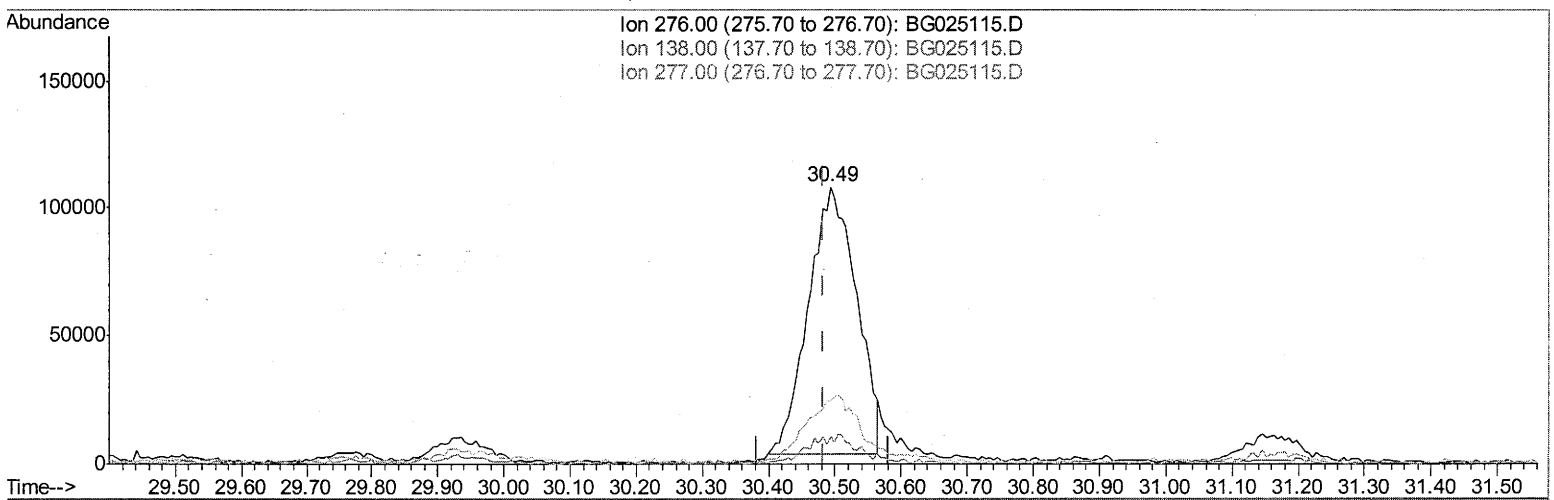
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 DA8E2

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration



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

30.493min (+0.011) 13.50ng/ul

response 526416

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.85
277.00	22.00	22.61
0.00	0.00	0.00

Quantitation Report (Qedit)

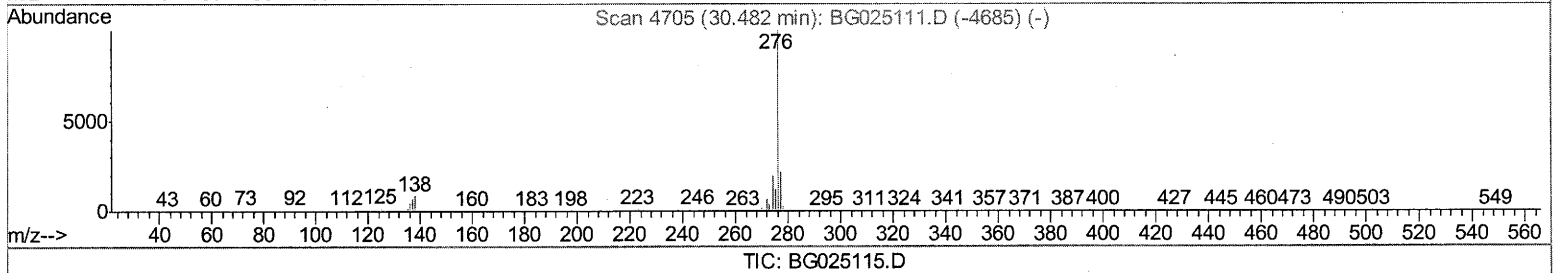
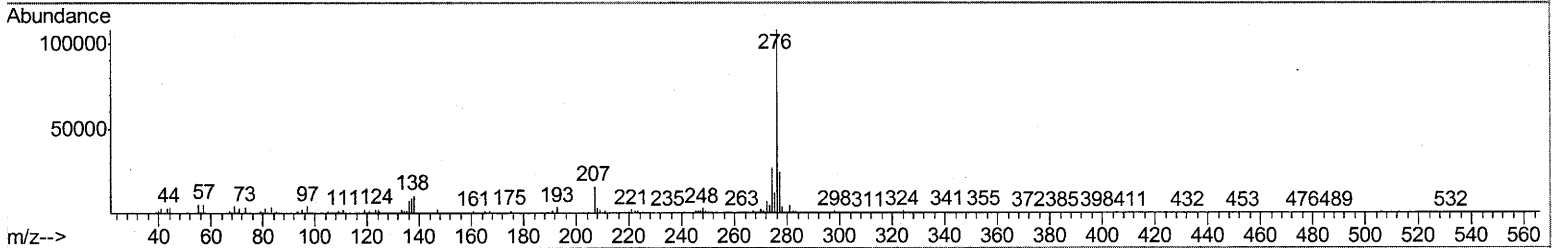
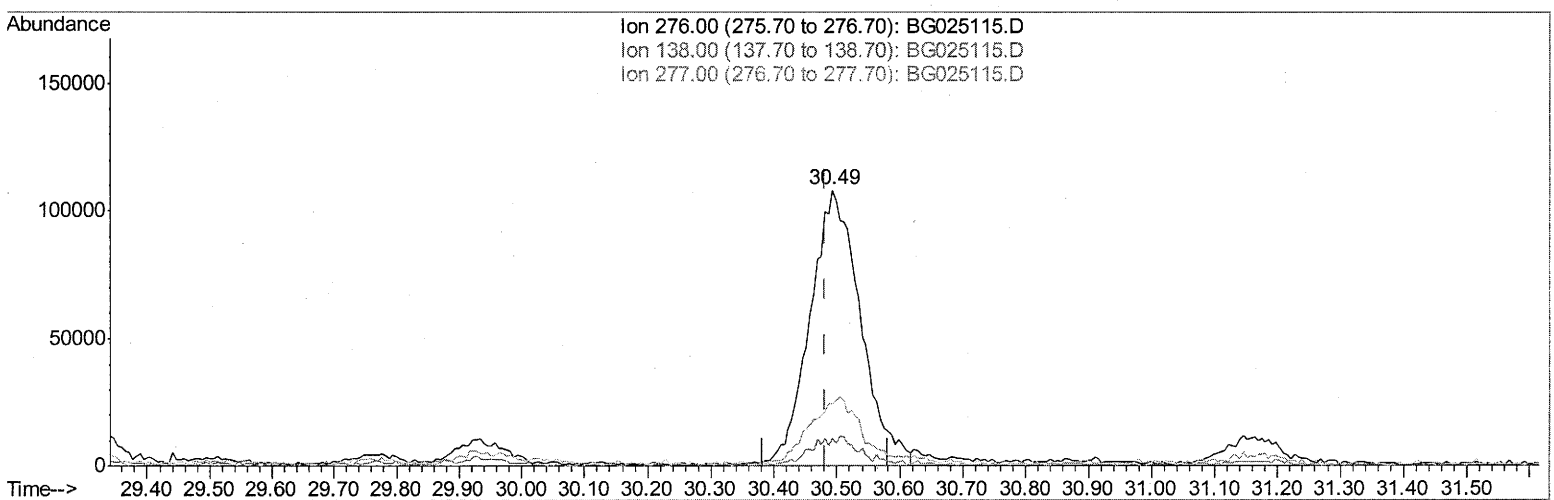
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 DA8E2

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:32:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration



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

30.493min (+0.011) 15.50ng/ul m

response 604399 12/13/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.85
277.00	22.00	22.61
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025115.D
 Acq On : 12 Dec 2016 15:28
 Operator : UM/SJ
 Sample : H5860-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 DA8E2

Manual Integrations
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 12/13/2016 6:06:44 PM

Quant Time: Dec 13 00:49:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	76095	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	370521	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	303736	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	634518	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	773006	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	788430	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	1003	0.68	ng/uL	0.00
5) Phenol-d5	7.39	99	28471	4.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	20155	4.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	23008	5.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	27099	4.94	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	11589	4.42	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	12165	3.72	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.69	165	27115	4.31	ng/ul	0.01
29) 4-Chloroaniline-d4	11.21	131	15210	2.46	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	100803	4.82	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	109247	4.77	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	10255m	2.86	ng/ul	0.02
57) Fluorene-d10	15.85	176	93702	4.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	11085	2.83	ng/ul	0.01
70) Anthracene-d10	17.70	188	137113	5.12	ng/ul	0.00
76) Pyrene-d10	19.98	212	171177	5.38	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	167910	5.26	ng/ul	0.00

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Target Compounds

					Qvalue
44) Dimethylphthalate	14.30	163	24010	1.17 ng/ul#	95
49) Acenaphthene	14.93	153	26640	1.75 ng/ul	87
53) Dibenzofuran	15.26	168	24185	1.00 ng/ul	92
58) Fluorene	15.90	166	32479	1.65 ng/ul	90
69) Phenanthrene	17.65	178	1179341	38.94 ng/ul	100
71) Anthracene	17.74	178	68791	2.21 ng/ul	99
72) Carbazole	18.01	167	155870	6.00 ng/ul	95
74) Fluoranthene	19.65	202	2391747	66.46 ng/ul	99
77) Pyrene	20.01	202	1989879	53.55 ng/ul	98
80) Benzo(a)anthracene	21.88	228	725476	18.06 ng/ul	97
82) Chrysene	21.95	228	1126215	29.98 ng/ul	97
85) Benzo(b)fluoranthene	24.23	252	1303062	33.33 ng/ul	99
86) Benzo(k)fluoranthene	24.29	252	438791	11.81 ng/ul	98
88) Benzo(a)pyrene	25.16	252	721826	19.20 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.26	276	716359m	15.33 ng/ul	
90) Dibenzo(a,h)anthracene	29.30	278	177085m	4.50 ng/ul	
91) Benzo(g,h,i)perylene	30.49	276	604399m	15.50 ng/ul	

} um
 12/13/16

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