

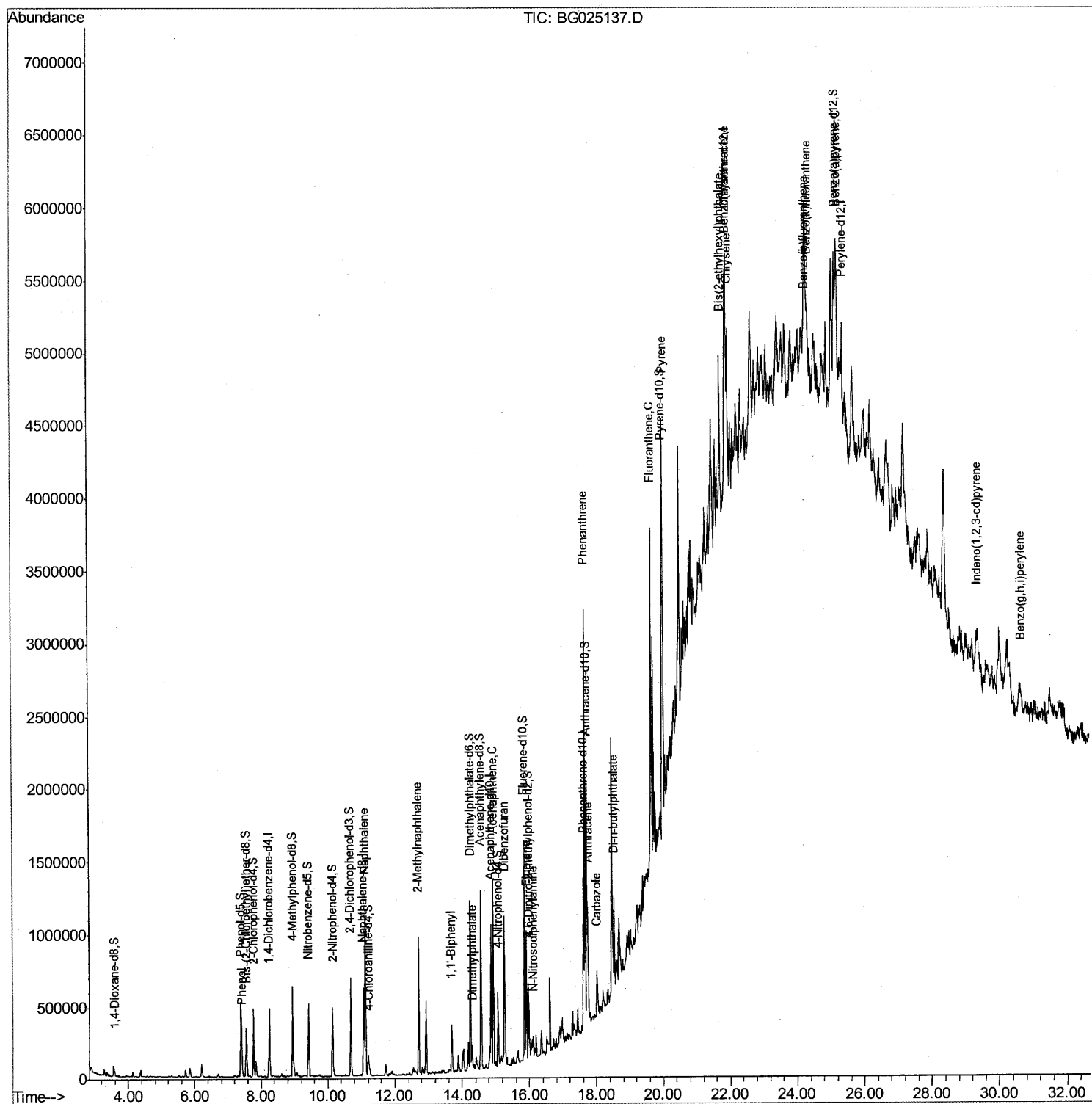
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025137.D
Acq On : 13 Dec 2016 5:57
Operator : UM/SJ
Sample : H5992-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
Client Sampled :
P035-SS002-1824-03

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:58 PM

Quant Time: Dec 13 07:07:19 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



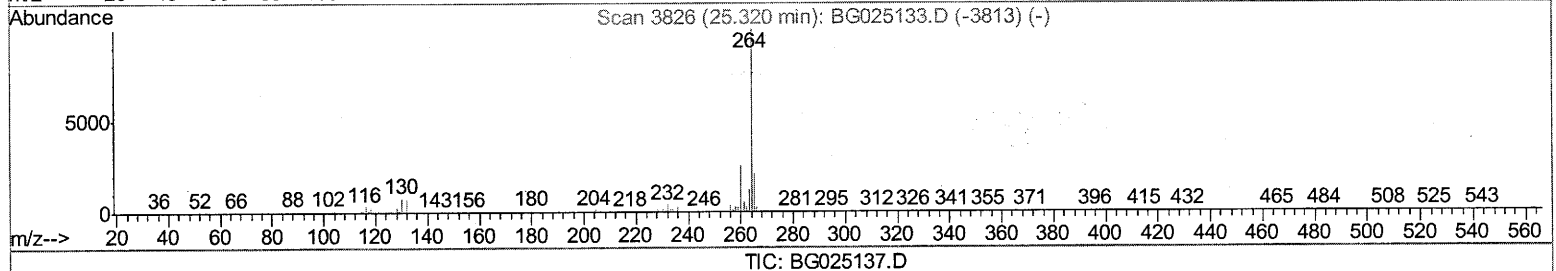
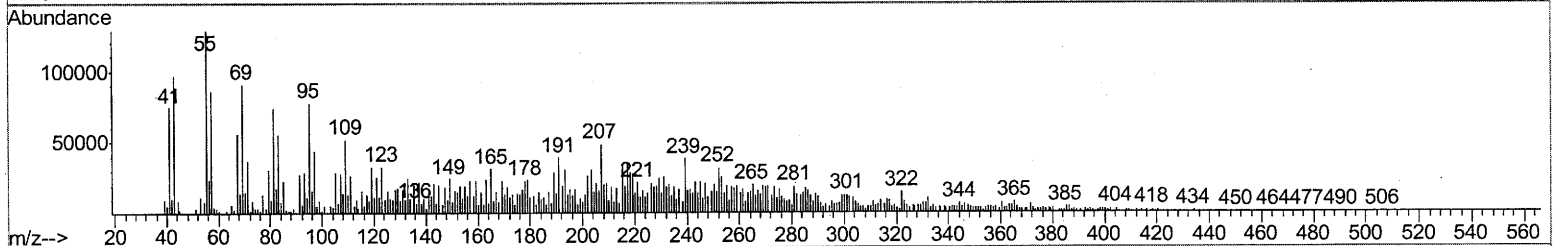
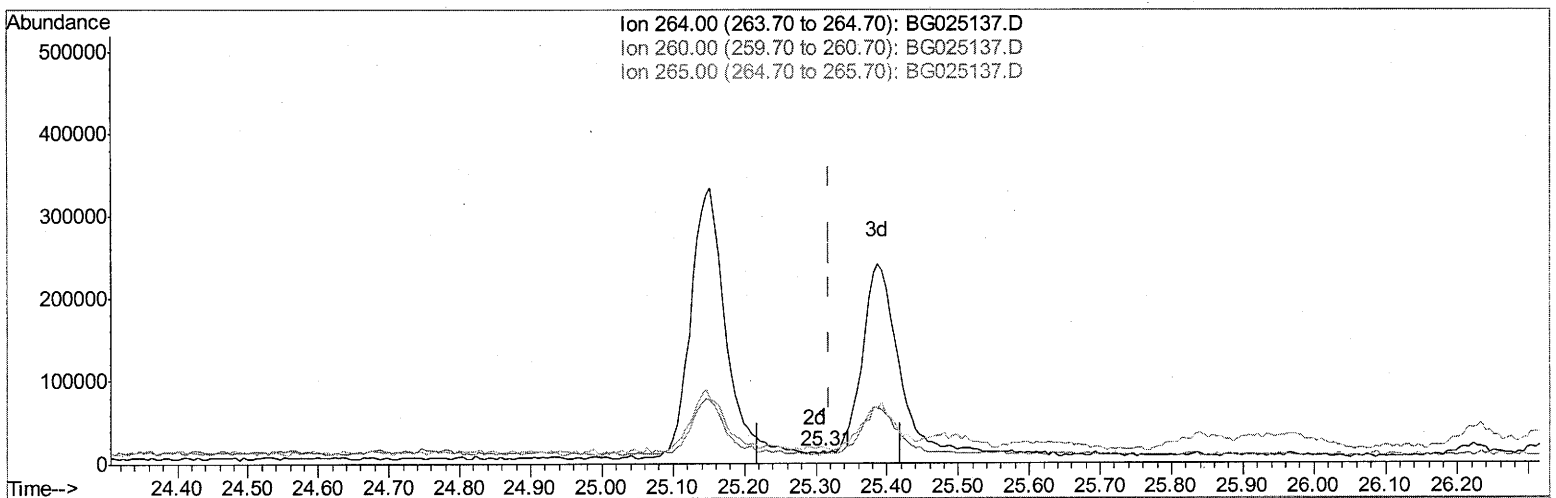
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
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P035-SS002-1824-03

Manual Integrations
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sohil
12/13/2016 6:07:58 PM

Quant Time: Dec 13 07:02:41 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



(83) Perylene-d12 (I)

25.311min (-0.009) 20.00ng/ul

response 1072

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	93.08#
265.00	20.60	135.69#
0.00	0.00	0.00

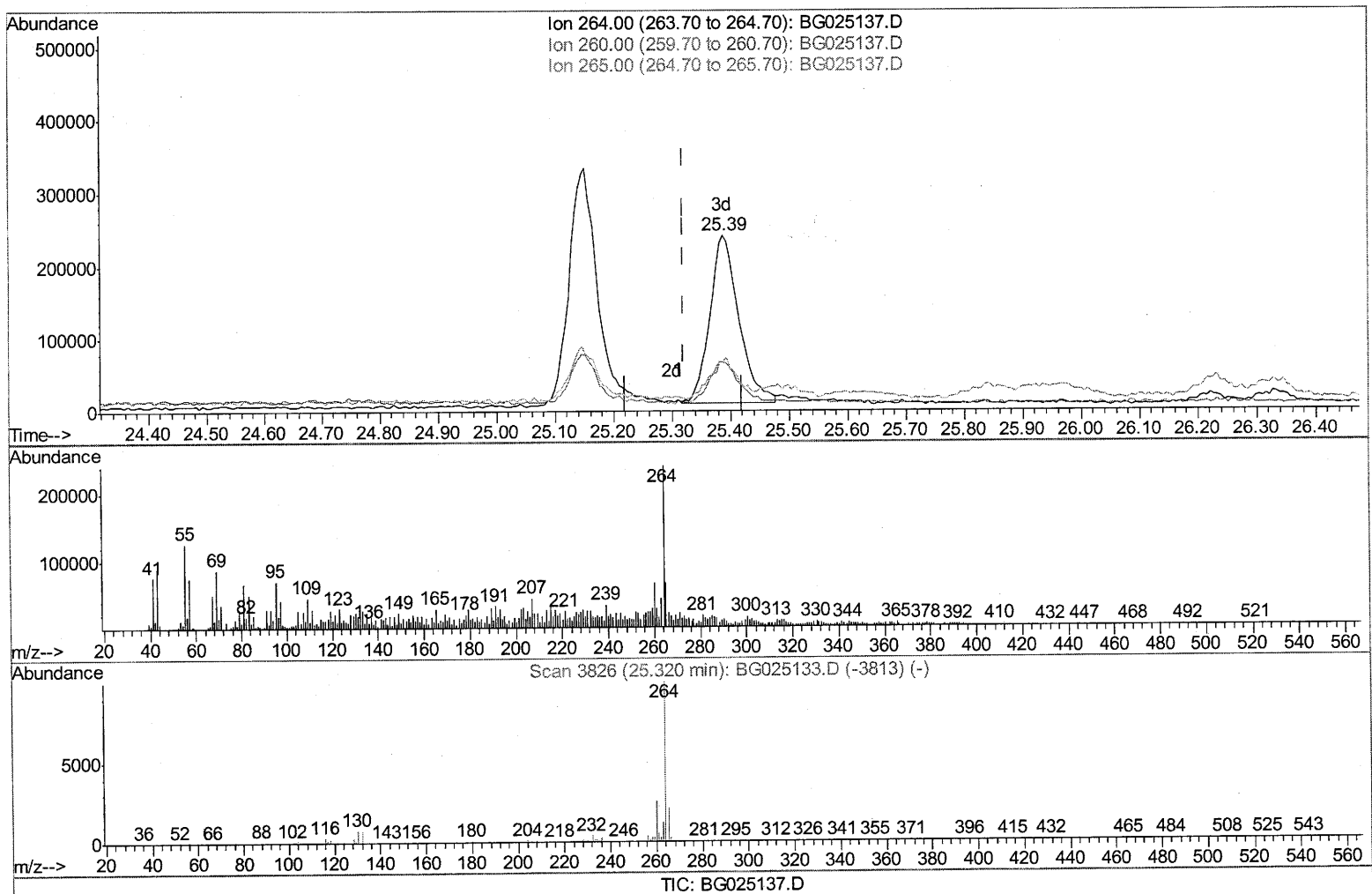
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
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Quant Time: Dec 13 07:02:41 2016
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Response via : Initial Calibration



(83) Perylene-d12 (I)

25.387min (+0.067) 20.00ng/ul m

response 799818

Ion	Exp%	Act%
264.00	100	100
260.00	23.90	27.61
265.00	20.60	27.47#
0.00	0.00	0.00

um
12/13/16

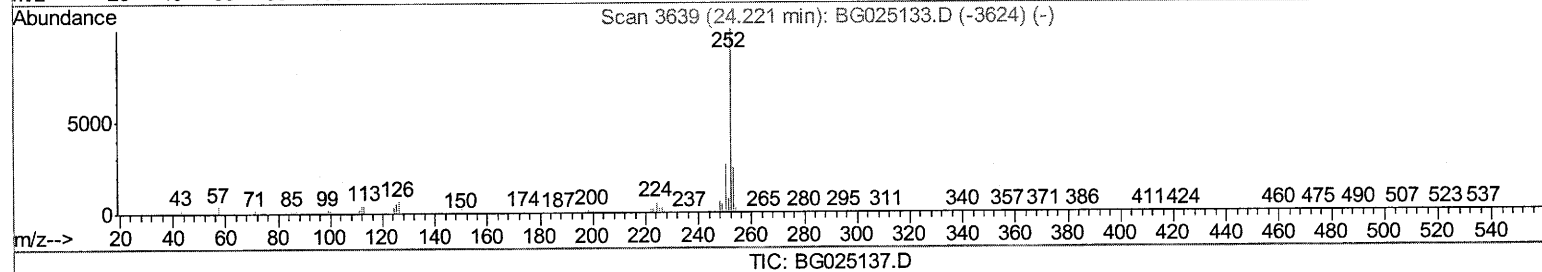
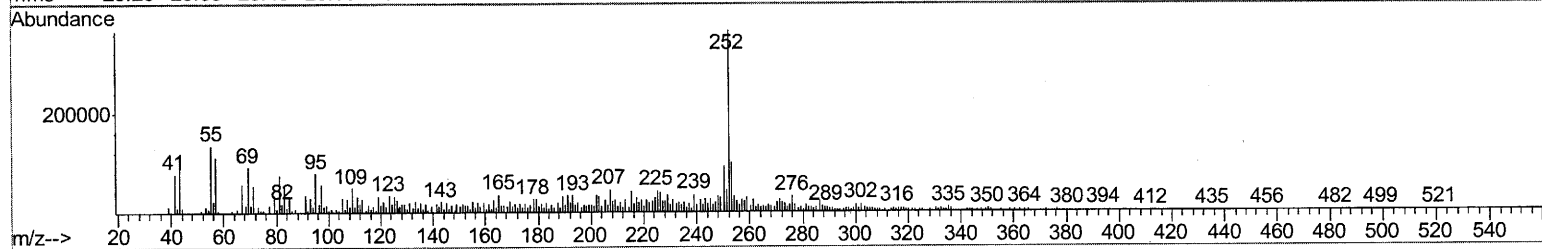
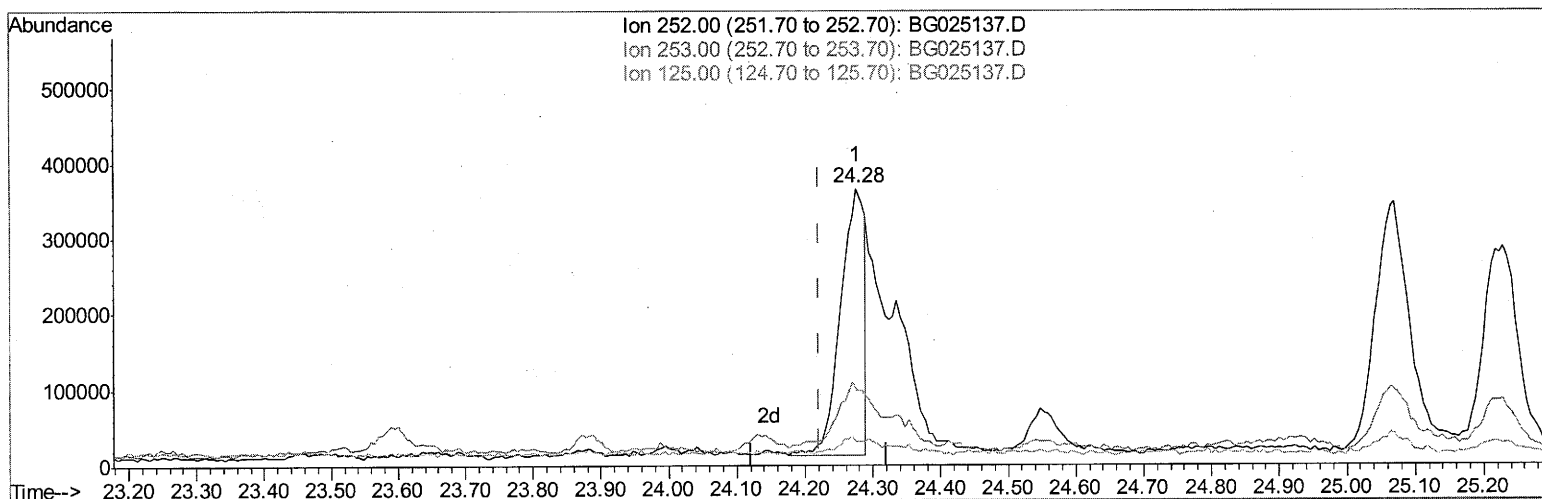
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
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Manual Integrations
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Quant Time: Dec 13 07:03:56 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



(85) Benzo(b)fluoranthene

24.276min (+0.055) 21.66ng/ul

response 859218

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	27.43#
125.00	5.00	8.64#
0.00	0.00	0.00

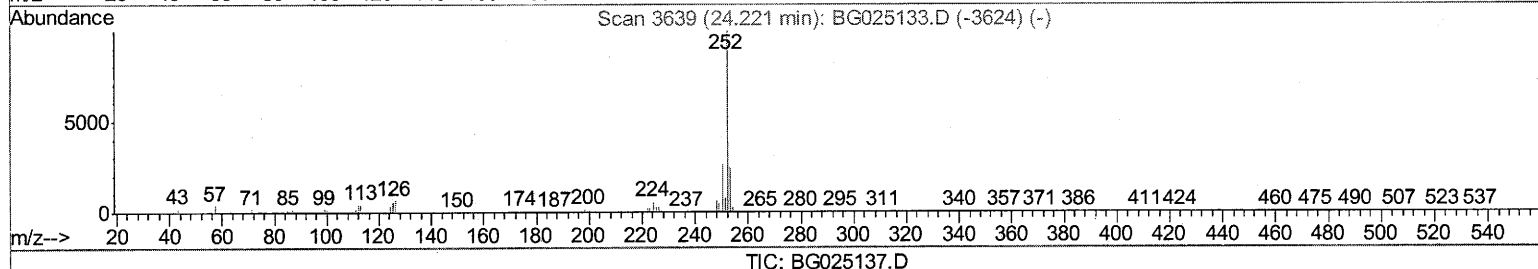
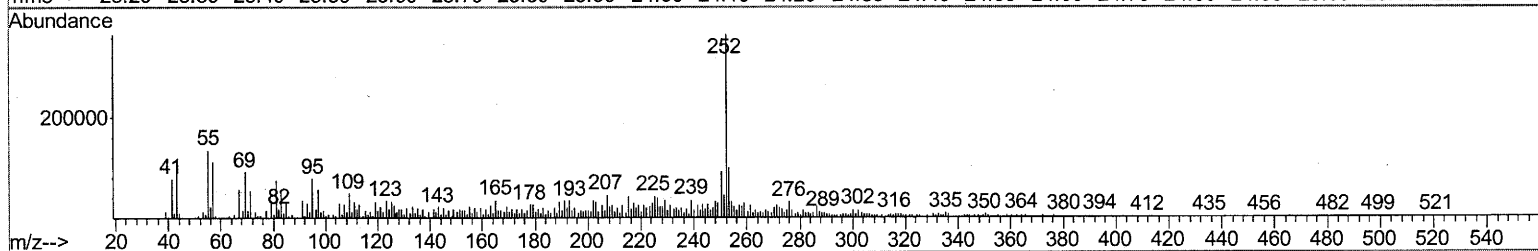
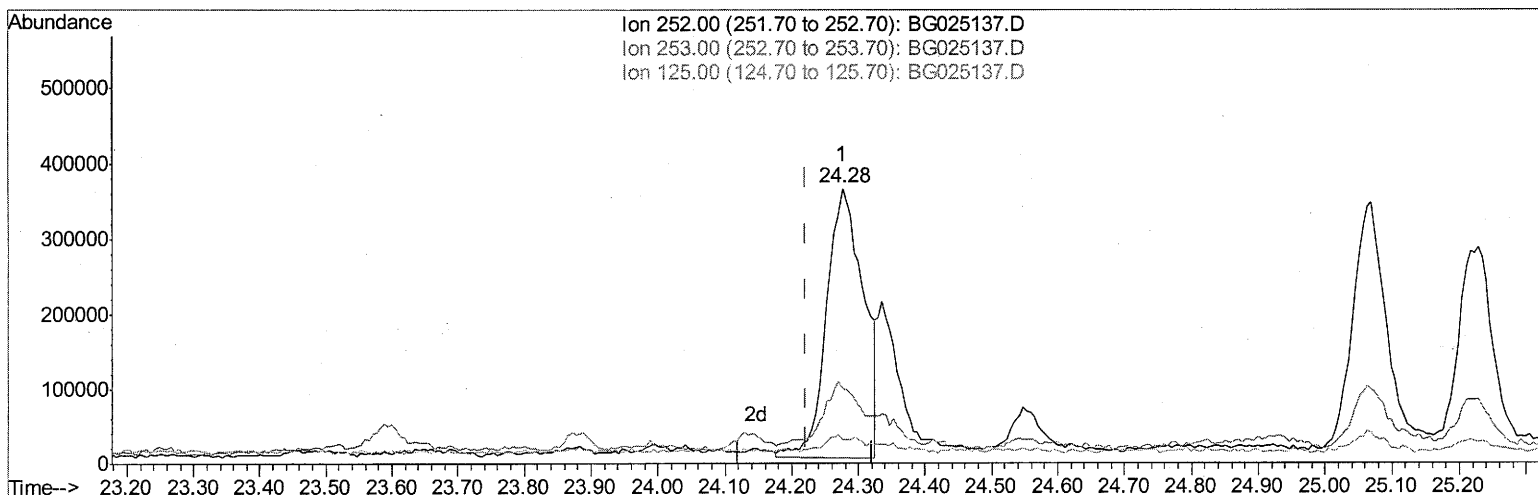
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Data File : BG025137.D
Acq On : 13 Dec 2016 5:57
Operator : UM/SJ
Sample : H5992-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
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Manual Integrations
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(85) Benzo(b)fluoranthene

24.276min (+0.055) 34.52ng/ul m

response 1368996

um
12/13/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	27.43#
125.00	5.00	8.64#
0.00	0.00	0.00

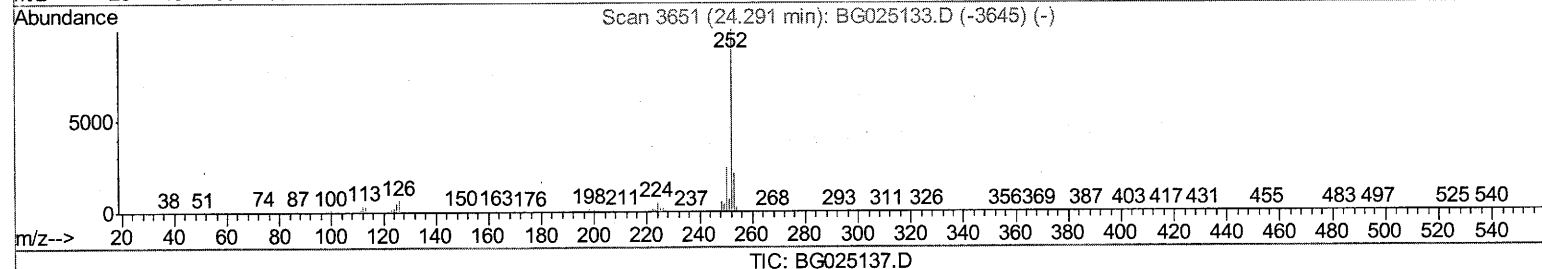
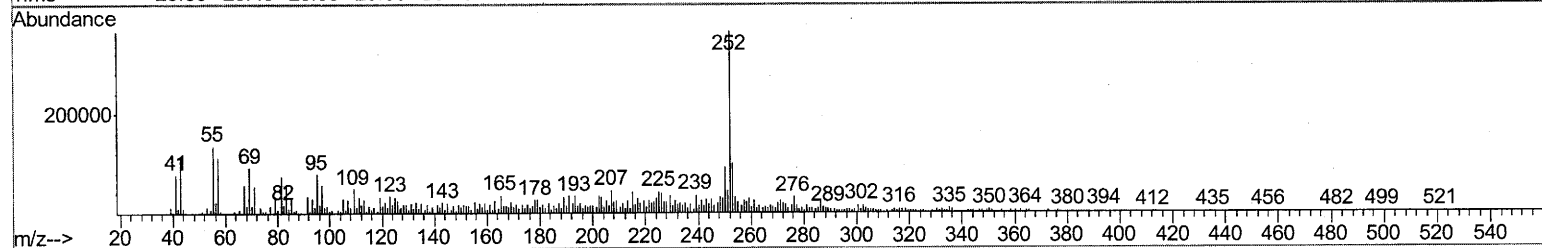
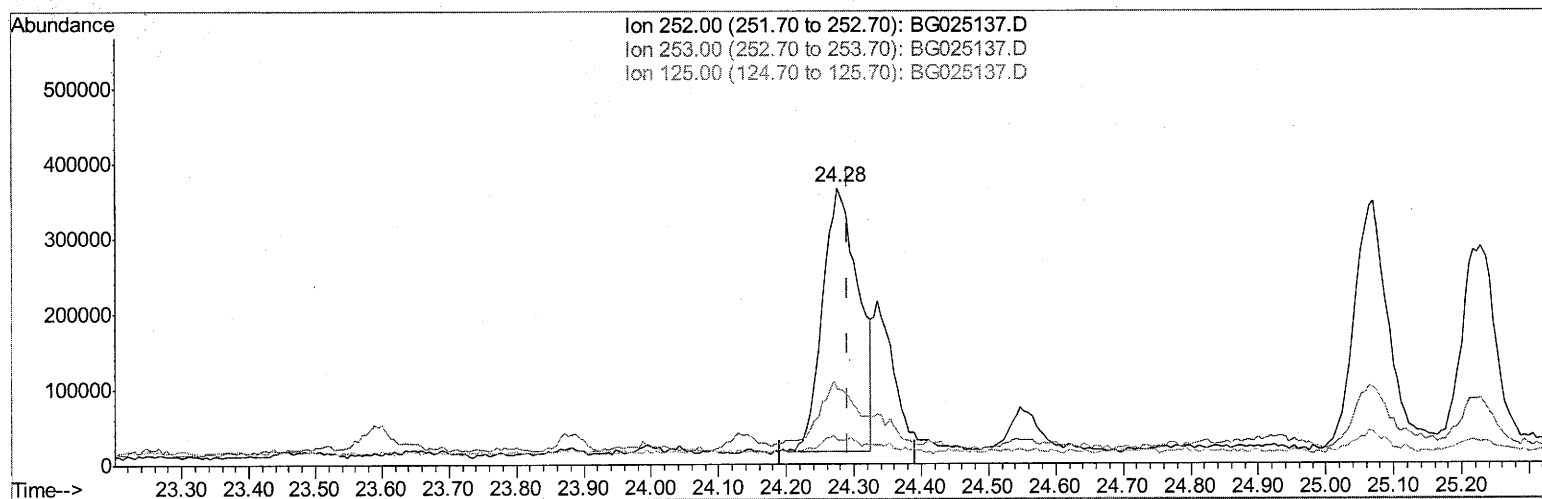
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Instrument :
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Manual Integrations
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Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.276min (-0.015) 34.14ng/ul

response 1287241

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	27.43
125.00	5.10	8.64#
0.00	0.00	0.00

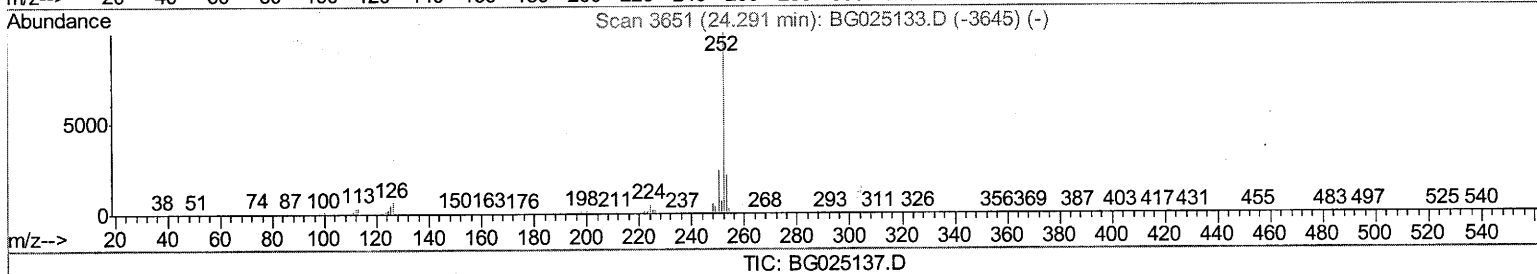
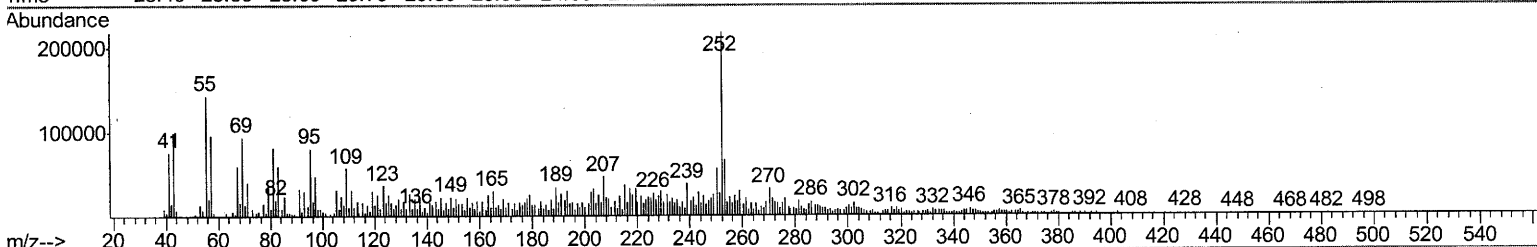
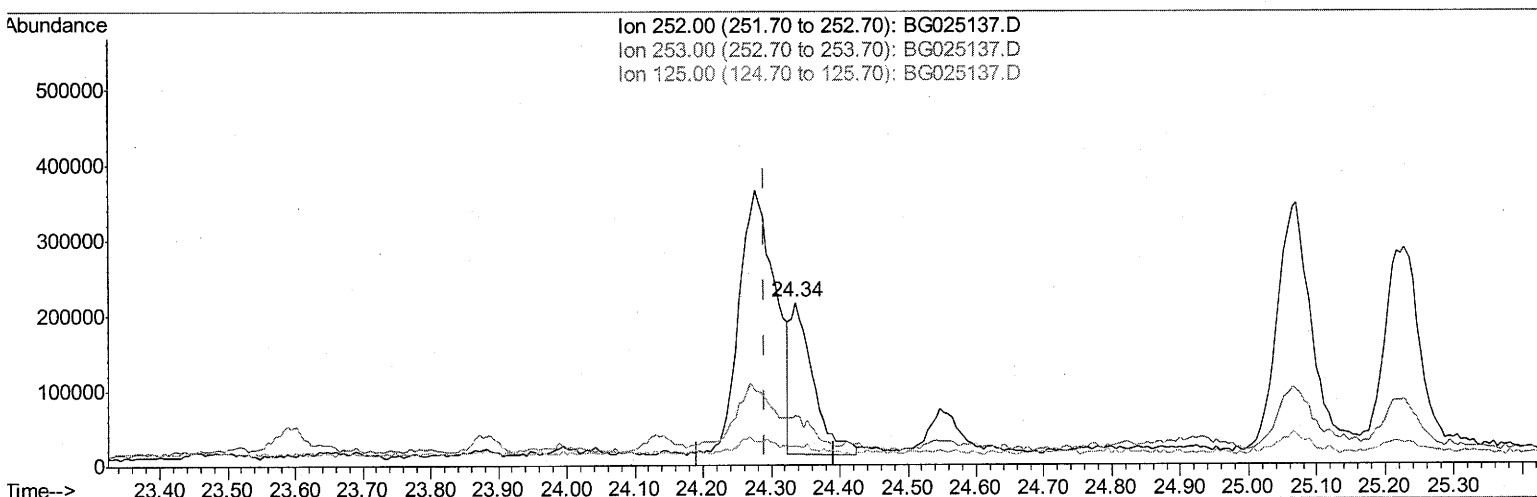
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025137.D
Acq On : 13 Dec 2016 5:57
Operator : UM/SJ
Sample : H5992-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P035-SS002-1824-03

Manual Integrations
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sohil
12/13/2016 6:07:58 PM

Quant Time: Dec 13 07:03:56 2016
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QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.335min (+0.044) 12.28ng/ul m

response 463122

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	30.60#
125.00	5.10	11.63#
0.00	0.00	0.00

UM
12113116

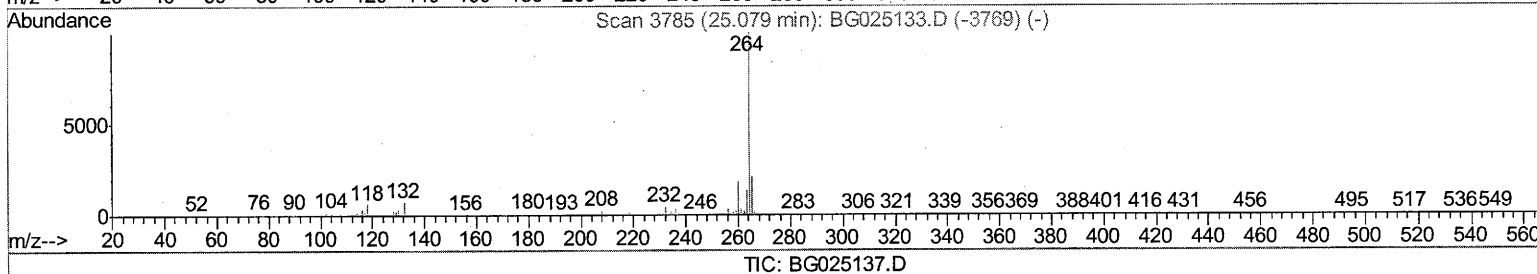
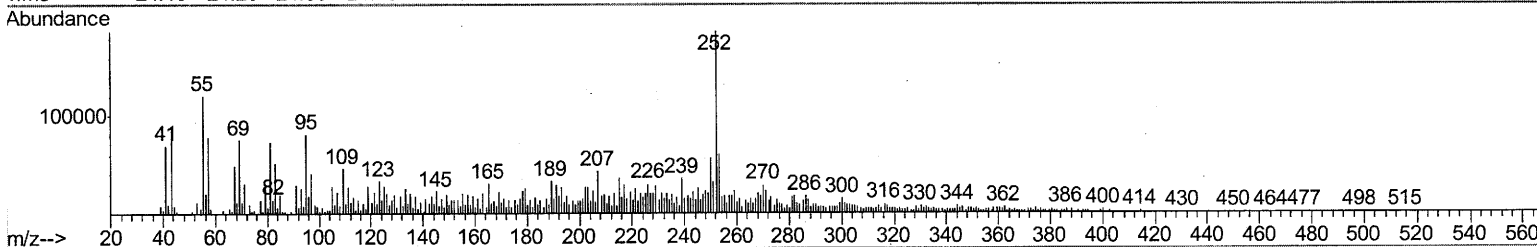
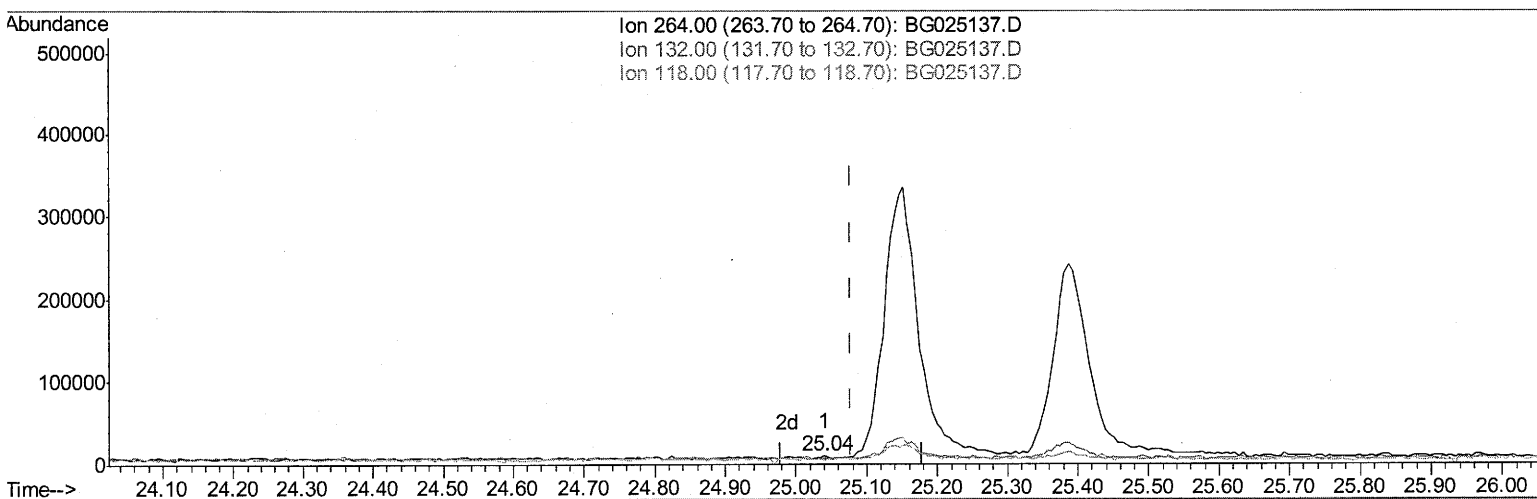
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P035-SS002-1824-03

Manual Integrations
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Quant Time: Dec 13 07:03:56 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
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QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



(87) Benzo(a)pyrene-d12 (S)

25.040min (-0.039) 0.10ng/ul

response 3209

Ion	Exp%	Act%
264.00	100	100
132.00	8.50	73.71#
118.00	6.00	52.89#
0.00	0.00	0.00

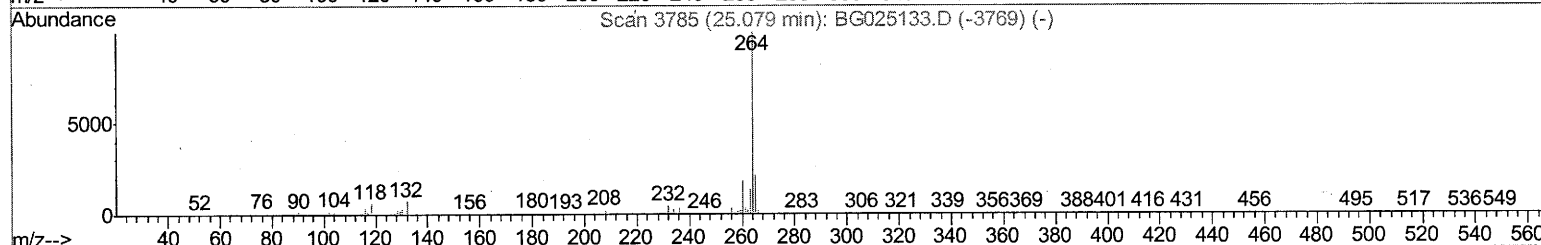
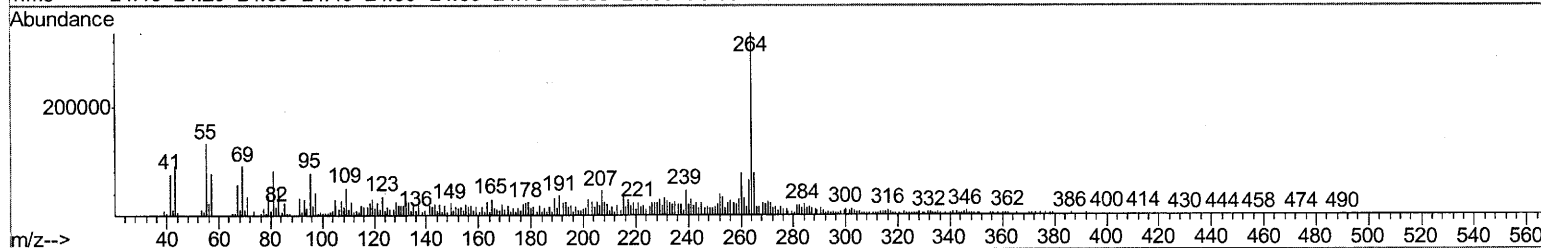
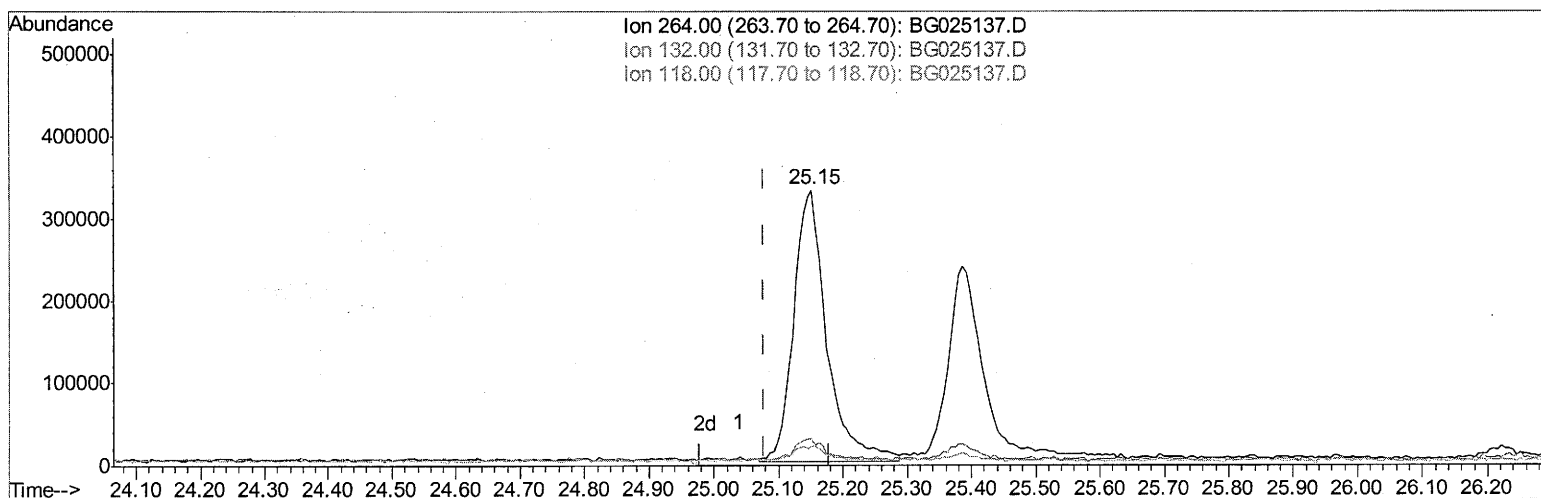
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Data File : BG025137.D
Acq On : 13 Dec 2016 5:57
Operator : UM/SJ
Sample : H5992-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
P035-SS002-1824-03

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:58 PM

Quant Time: Dec 13 07:03:56 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



TIC: BG025137.D

(87) Benzo(a)pyrene-d12 (S)

25.152min (+0.073) 35.97ng/ul m

response 1165705

Ion	Exp%	Act%
264.00	100	100
132.00	8.50	9.49
118.00	6.00	6.71
0.00	0.00	0.00

GM
12/13/16

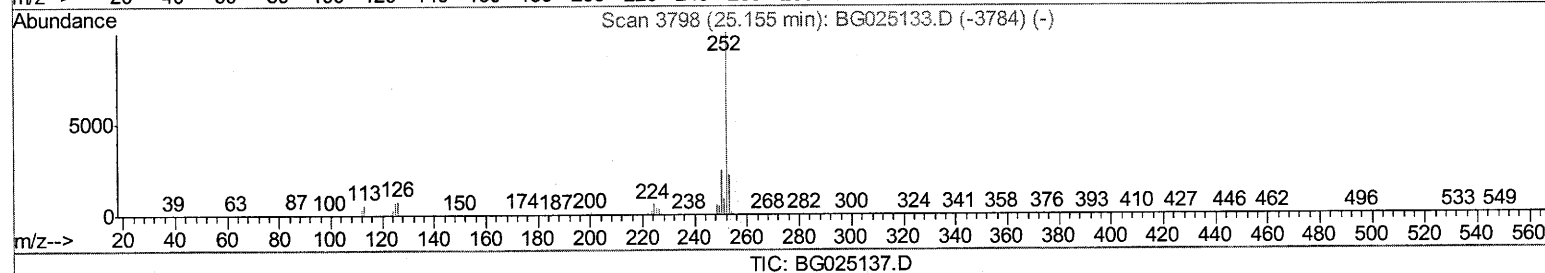
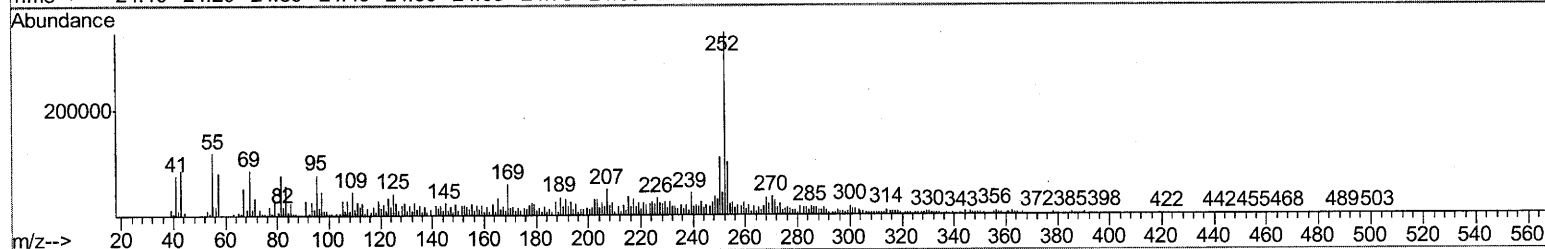
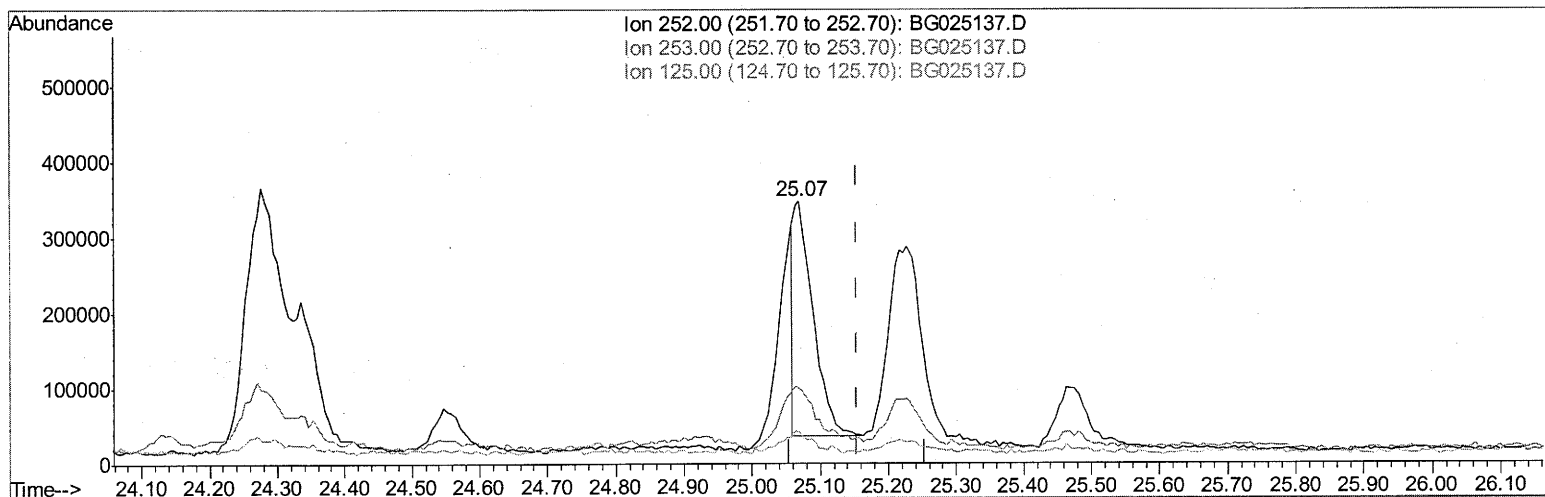
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Data File : BG025137.D
Acq On : 13 Dec 2016 5:57
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Sample : H5992-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P035-SS002-1824-03

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:58 PM

Quant Time: Dec 13 07:05:11 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
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QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



(88) Benzo(a)pyrene (C)

25.070min (-0.086) 15.78ng/ul

response 601780

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	28.72#
125.00	6.70	11.82#
0.00	0.00	0.00

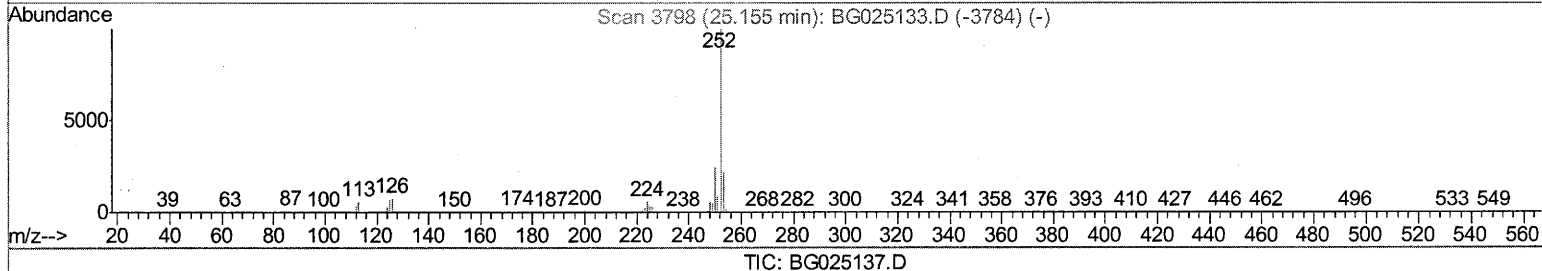
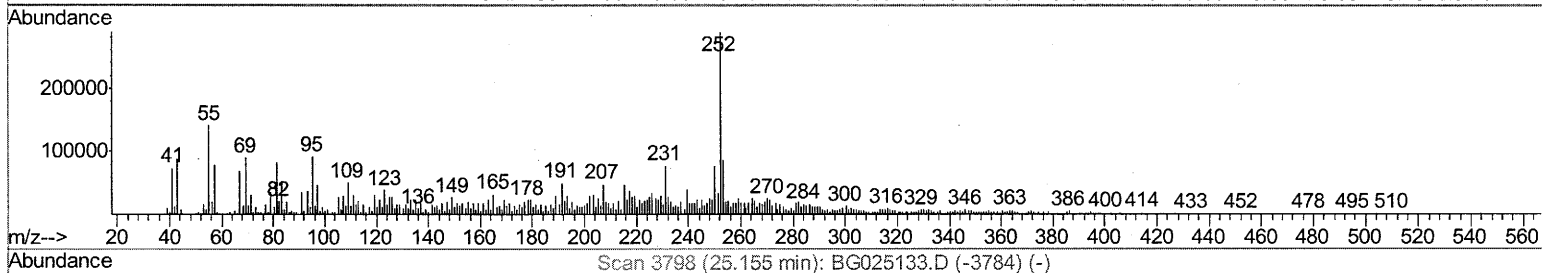
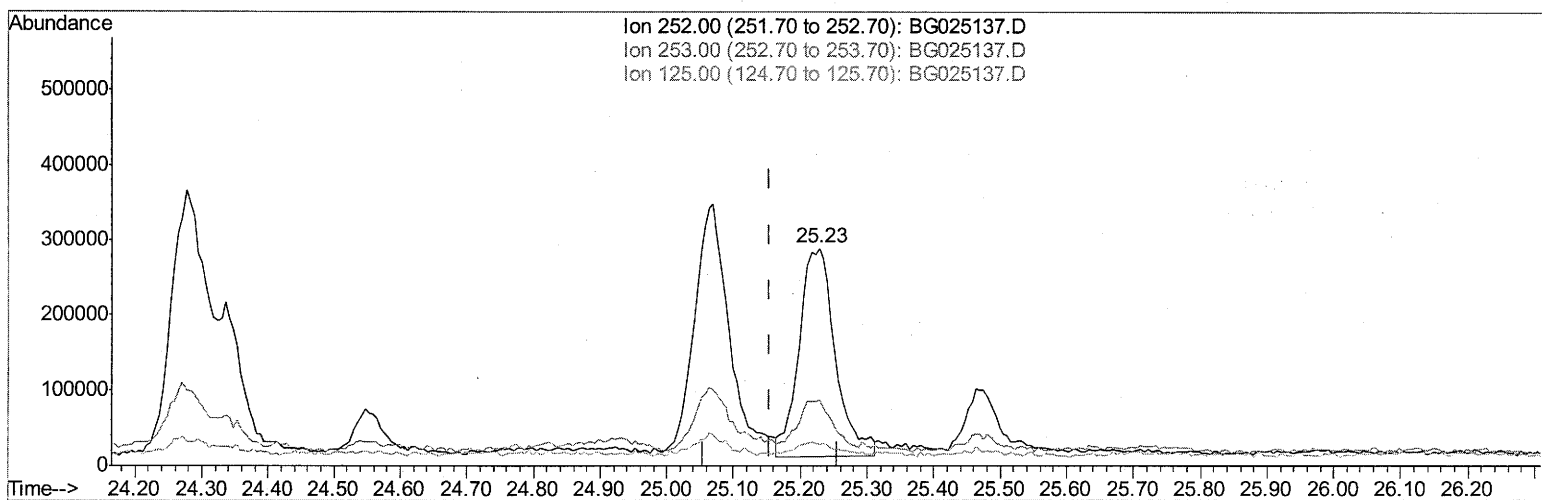
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Data File : BG025137.D
Acq On : 13 Dec 2016 5:57
Operator : UM/SJ
Sample : H5992-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P035-SS002-1824-03

Manual Integrations
APPROVED

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12/13/2016 6:07:58 PM

Quant Time: Dec 13 07:05:11 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



(88) Benzo(a)pyrene (C)

25.228min (+0.073) 27.24ng/ul m

response 1038645

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	29.98#
125.00	6.70	9.65#
0.00	0.00	0.00

67
12/13/16

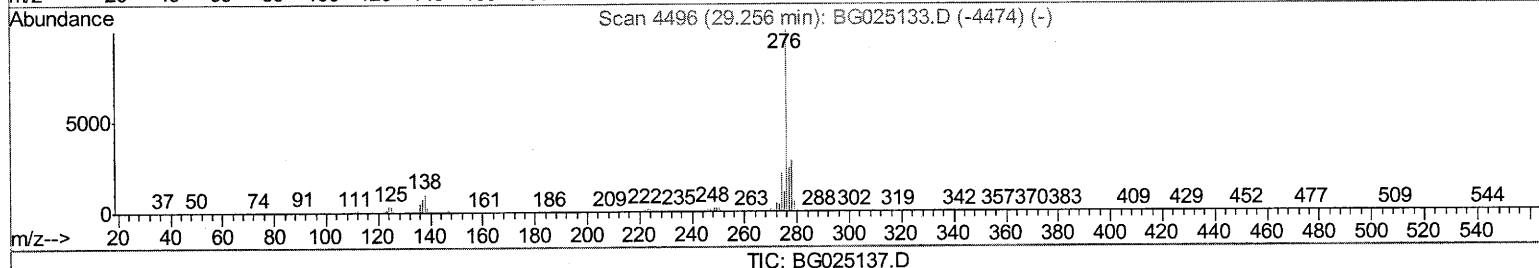
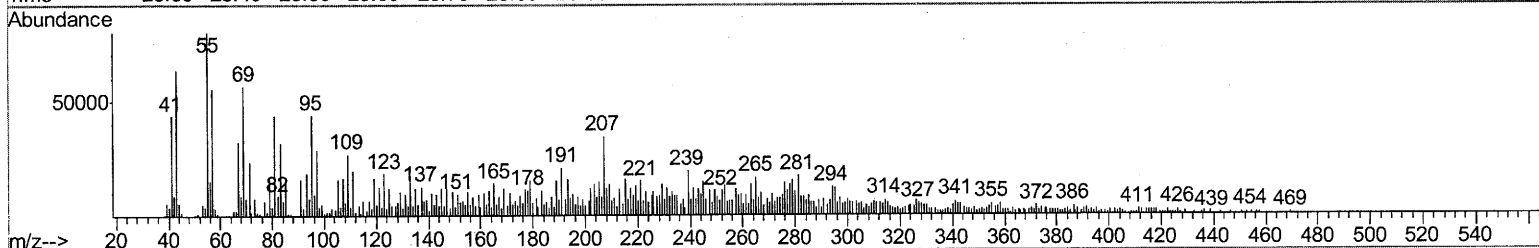
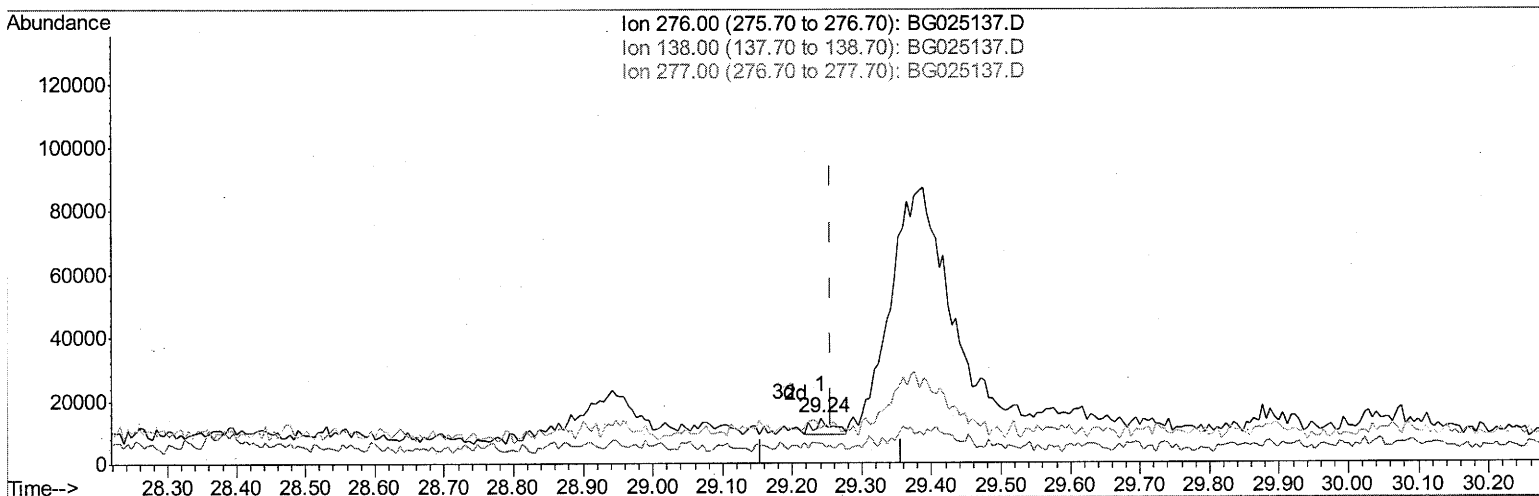
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Response via : Initial Calibration



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

29.241min (-0.015) 0.19ng/ul

response 9011

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	45.66#
277.00	23.30	78.79#
0.00	0.00	0.00

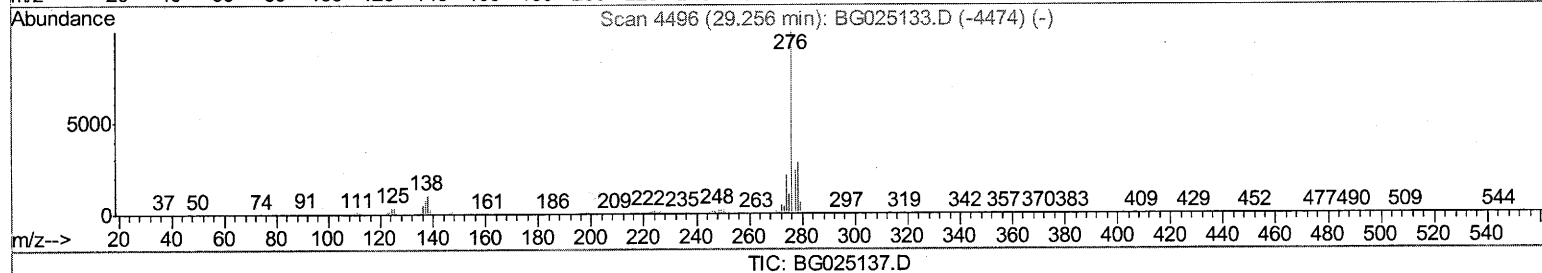
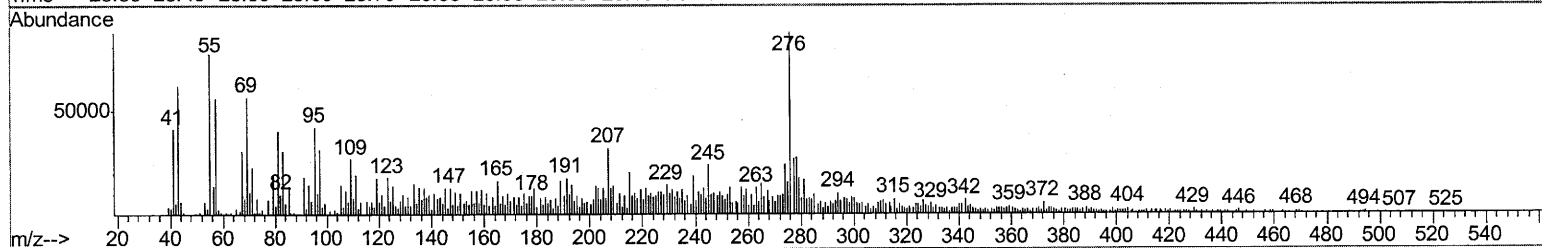
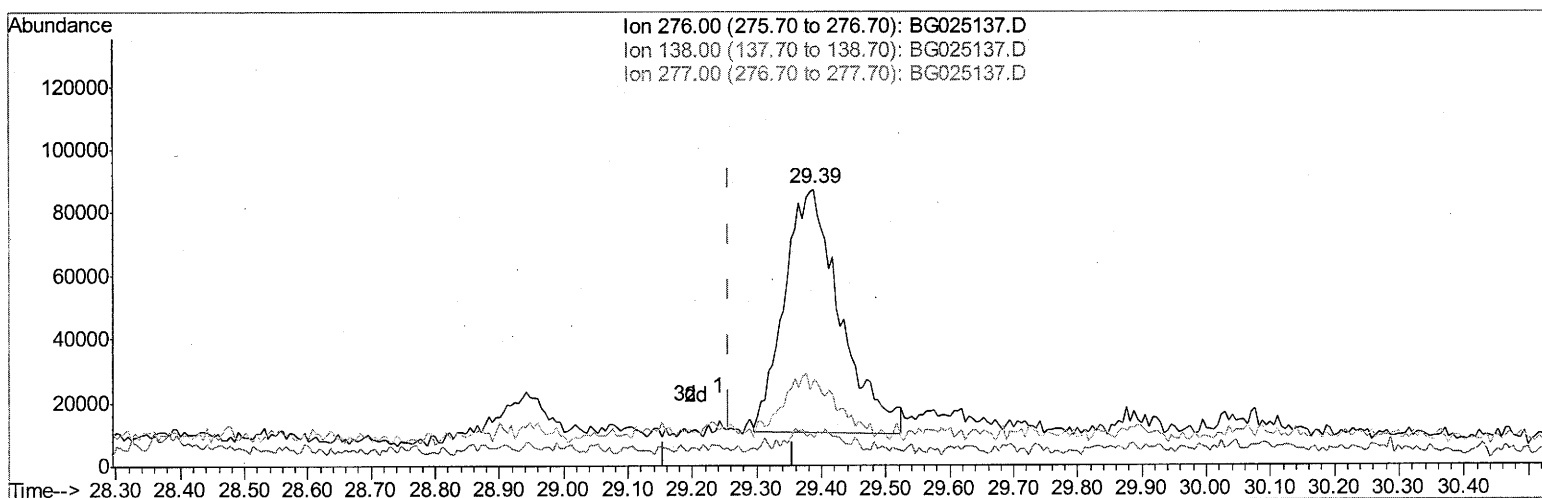
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Instrument :
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Manual Integrations
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sohil
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QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



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

29.388min (+0.132) 9.77ng/ul m

response 463075

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.99
277.00	23.30	30.80#
0.00	0.00	0.00

UM
12/13/16

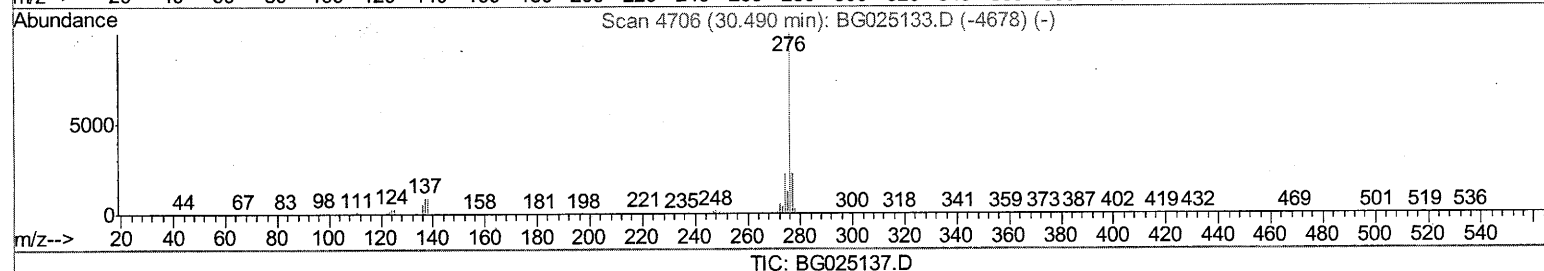
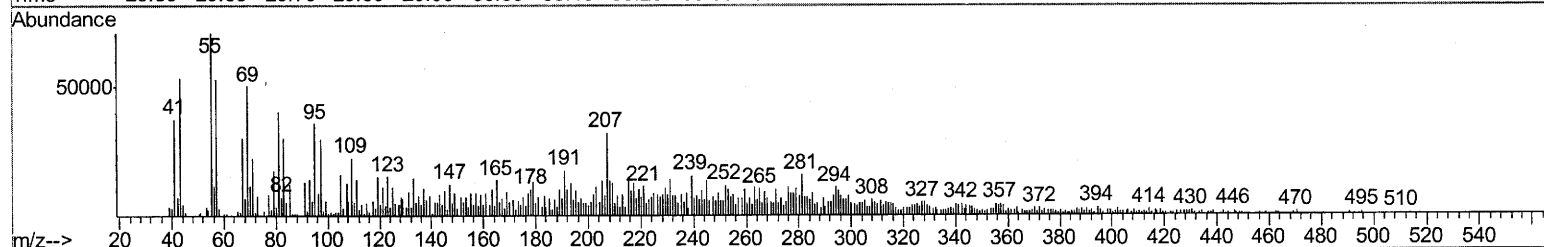
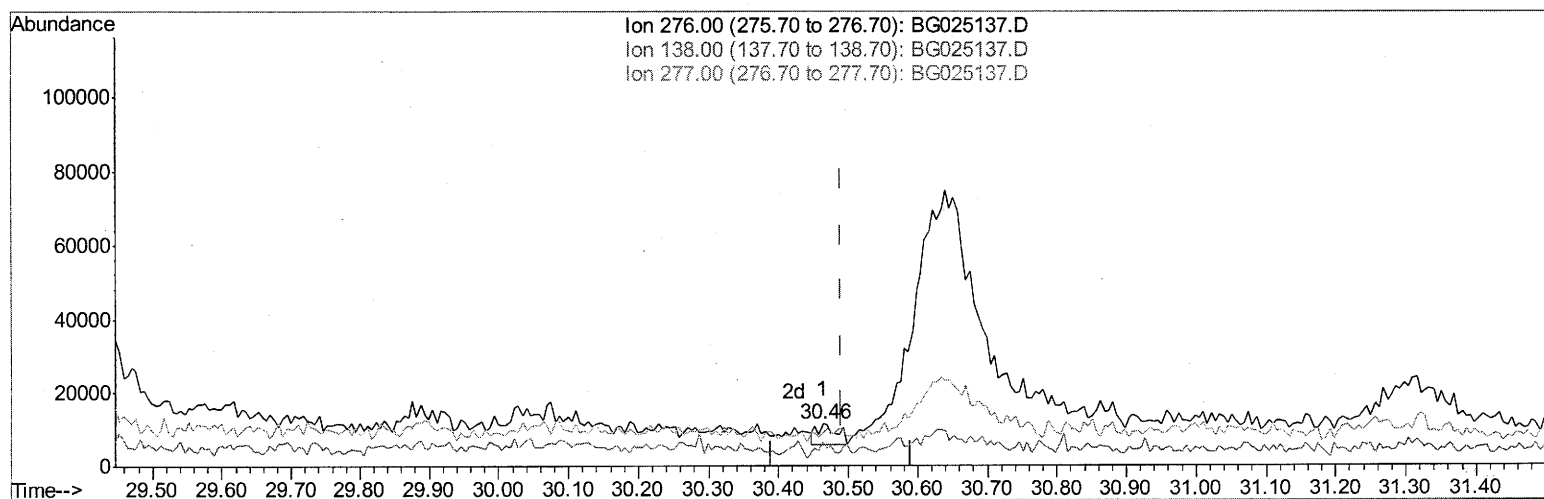
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Instrument :
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QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



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

30.463min (-0.027) 0.28ng/ul

response 11138

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	56.21#
277.00	22.00	79.30#
0.00	0.00	0.00

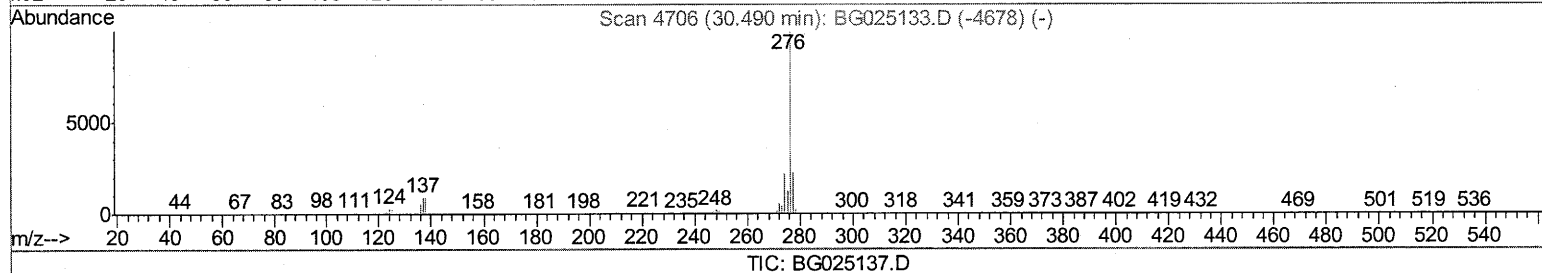
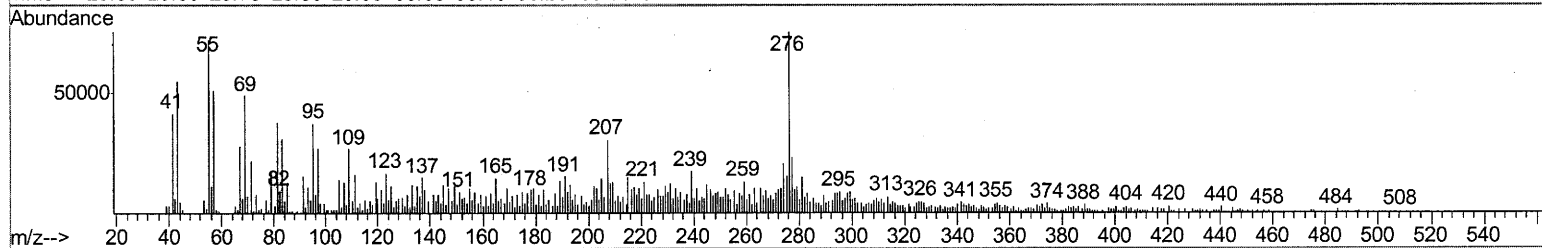
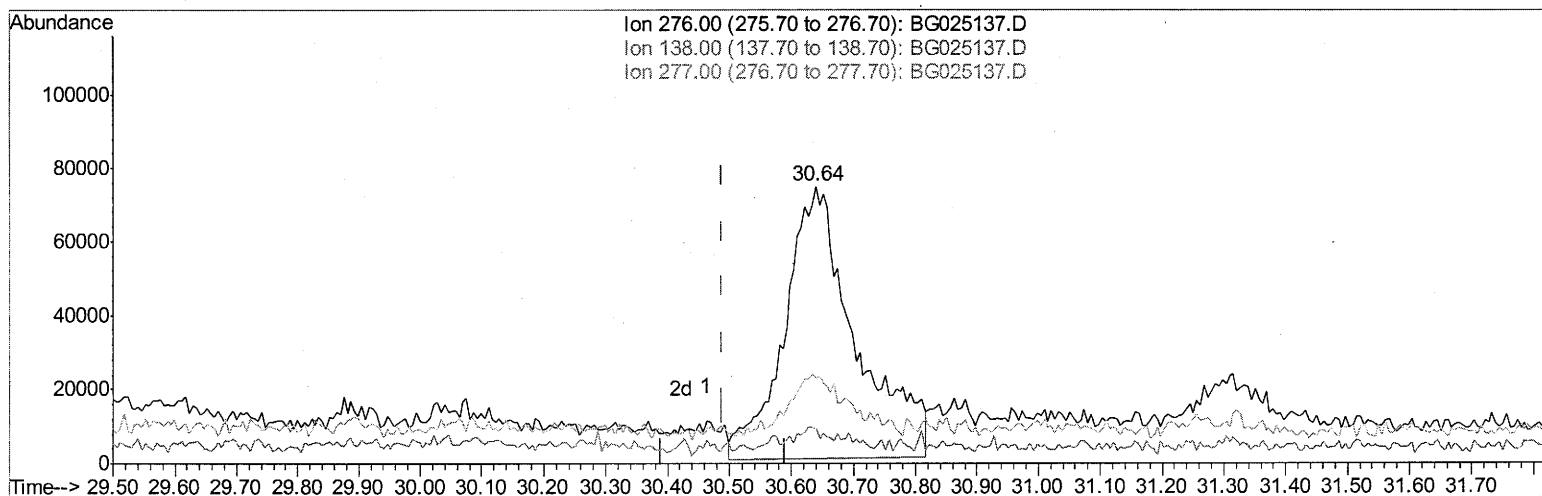
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

sohil
12/13/2016 6:07:58 PM

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QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



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

30.640min (+0.149) 14.69ng/ul m

response 580930

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	12.91#
277.00	22.00	30.87#
0.00	0.00	0.00

um
12/13/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025137.D
 Acq On : 13 Dec 2016 5:57
 Operator : UM/SJ
 Sample : H5992-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 P035-SS002-1824-03

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:07:58 PM

Quant Time: Dec 13 07:07:19 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)
1) 1,4-Dichlorobenzene-d4	8.24	152	120601	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	493766	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	361772	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	654103	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	802083	20.00	ng/ul	0.01
83) Perylene-d12	25.39	264	799818m	20.00	ng/ul	0.07

um
 12/13/16

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	12383	5.30	ng/uL	0.00
5) Phenol-d5	7.39	99	283664	27.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	180312	28.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	194265	26.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	235241	27.06	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	105920	30.29	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	124048	28.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	243973	29.10	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	84895	10.30	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	719960	28.93	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	868239	31.85	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	113058	26.44	ng/ul	0.01
57) Fluorene-d10	15.85	176	654839	27.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	115235	28.49	ng/ul	0.00
70) Anthracene-d10	17.71	188	944642	34.22	ng/ul	0.00
76) Pyrene-d10	19.98	212	1063977	32.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.15	264	1165705m	35.97	ng/ul	0.07

bm 12/13/16

Target Compounds

					Qvalue
6) Phenol	7.42	94	51184	4.79	ng/ul 95
28) Naphthalene	11.12	128	820608	35.75	ng/ul 96
34) 2-Methylnaphthalene	12.71	142	433746	23.95	ng/ul 100
40) 1,1'-Biphenyl	13.70	154	178345	8.13	ng/ul 99
44) Dimethylphthalate	14.30	163	109613	4.48	ng/ul# 95
49) Acenaphthene	14.93	153	537077	29.59	ng/ul 99
53) Dibenzofuran	15.26	168	652396	22.72	ng/ul 100
58) Fluorene	15.91	166	415522	17.78	ng/ul 95
64) N-Nitrosodiphenylamine	16.10	169	54557	3.24	ng/ul 90
69) Phenanthrene	17.65	178	1746302	55.94	ng/ul 97
71) Anthracene	17.74	178	495131	15.43	ng/ul 98
72) Carbazole	18.01	167	194606	7.27	ng/ul 97
73) Di-n-butylphthalate	18.53	149	88365	2.61	ng/ul# 92
74) Fluoranthene	19.65	202	1498674	40.40	ng/ul 99
77) Pyrene	20.01	202	1324904	34.36	ng/ul 99
80) Benzo(a)anthracene	21.89	228	919945	22.08	ng/ul# 90
81) Bis(2-ethylhexyl)phthalate	21.74	149	624991	30.08	ng/ul# 96
82) Chrysene	21.96	228	1114630	28.60	ng/ul# 87
85) Benzo(b)fluoranthene	24.28	252	1368996m	34.52	ng/ul
86) Benzo(k)fluoranthene	24.34	252	463122m	12.28	ng/ul
88) Benzo(a)pyrene	25.23	252	1038645m	27.24	ng/ul
89) Indeno(1,2,3-cd)pyrene	29.39	276	463075m	9.77	ng/ul
91) Benzo(g,h,i)perylene	30.64	276	580930m	14.69	ng/ul

um
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed