

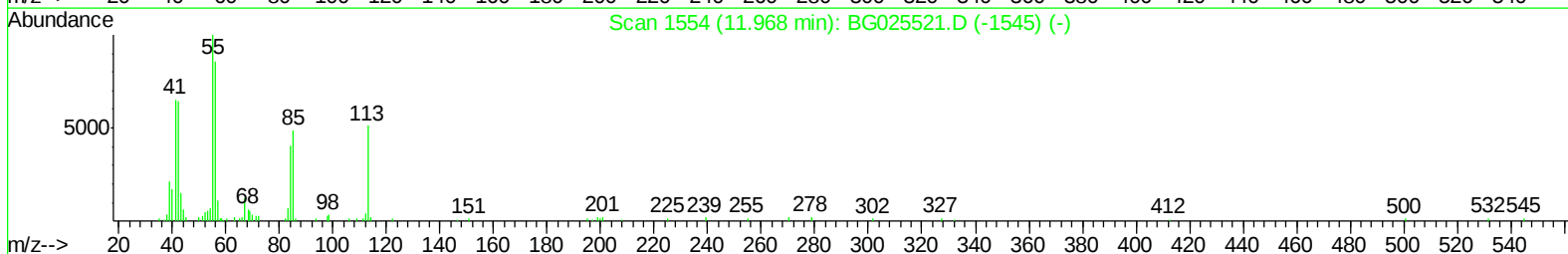
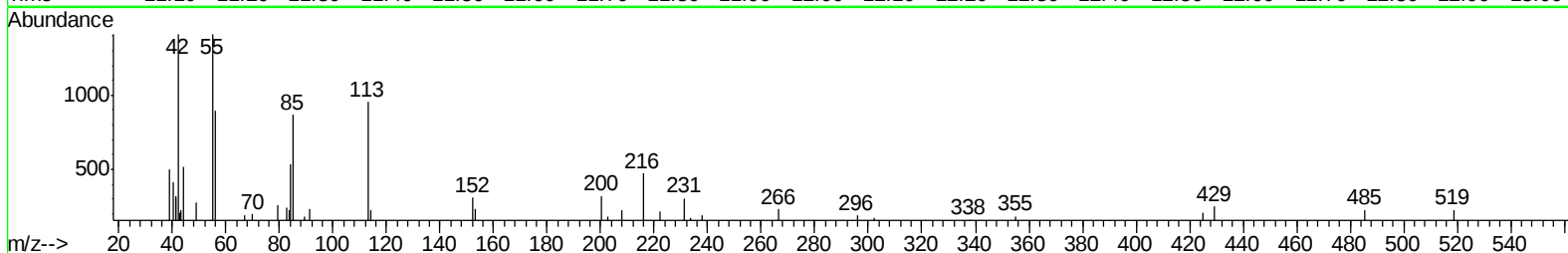
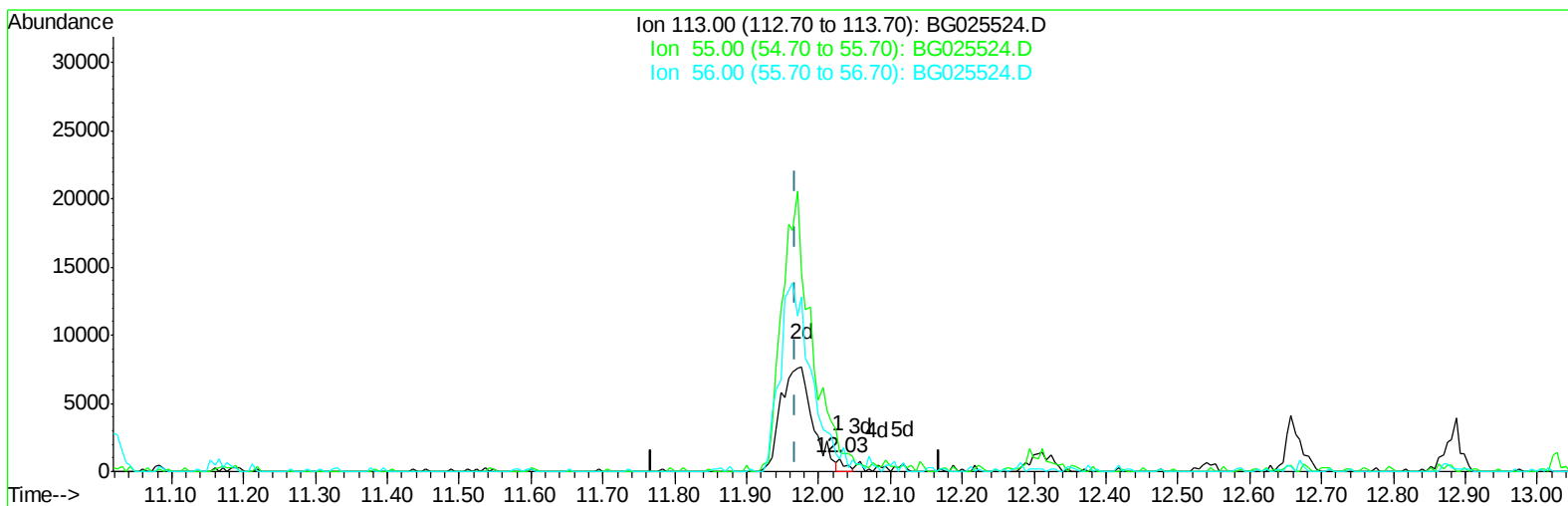
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
Data File : BG025524.D
Acq On : 16 Jan 2017 20:29
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02004

Manual Integrations
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mohammad
1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 17 00:20:19 2017
Response via : Initial Calibration



TIC: BG025524.D

(32) Caprolactam

12.029min (+0.061) 0.54ng/ul

response 713

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	147.74
56.00	101.50	93.60
0.00	0.00	0.00

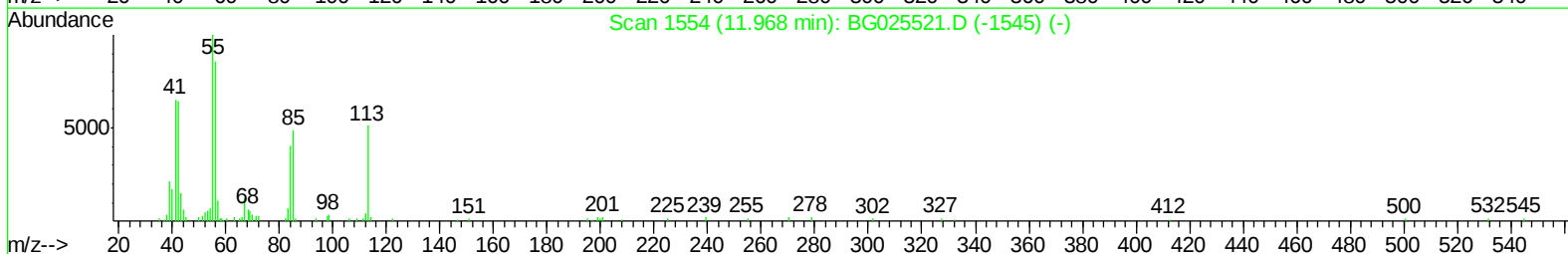
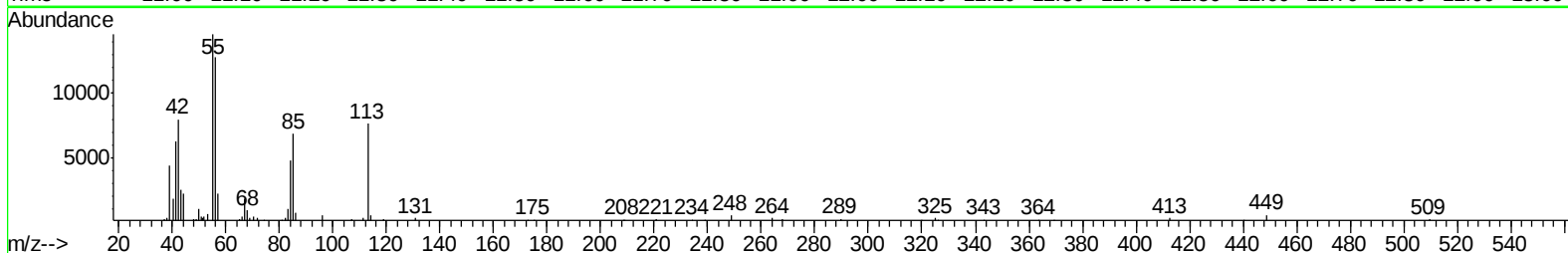
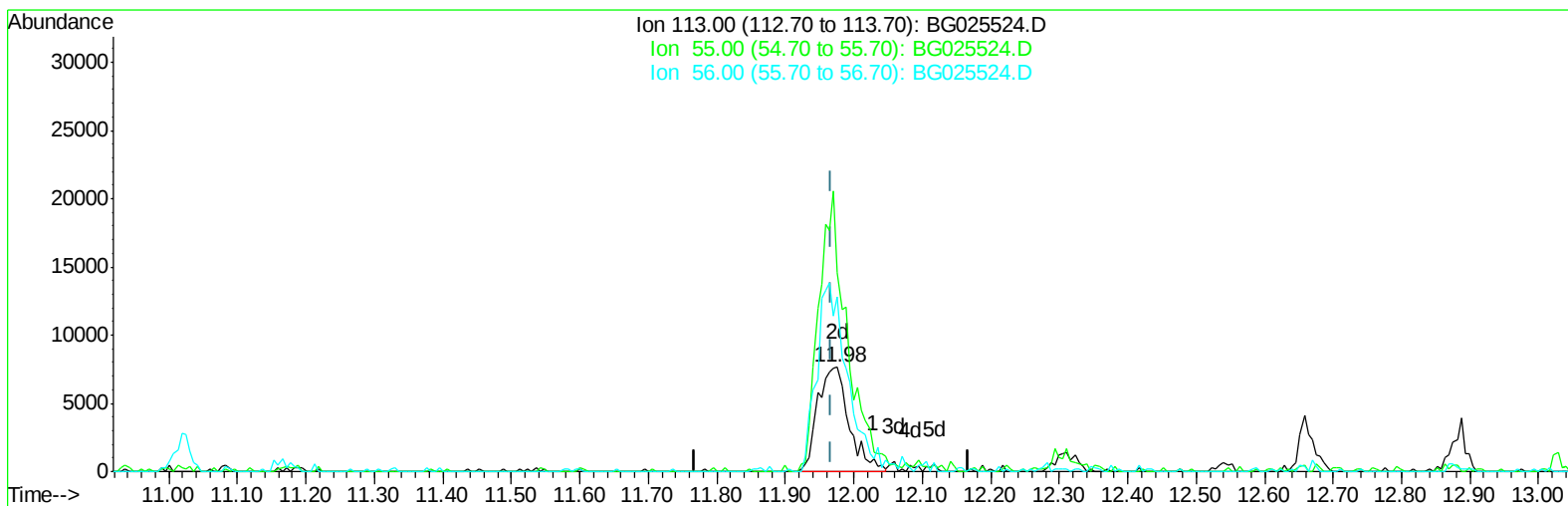
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
Data File : BG025524.D
Acq On : 16 Jan 2017 20:29
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02004

Manual Integrations
APPROVED

mohammad
1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 17 00:20:19 2017
Response via : Initial Calibration



TIC: BG025524.D

(32) Caprolactam

11.976min (+0.008) 18.39ng/ul m

response 24116

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	190.46#
56.00	101.50	167.85#
0.00	0.00	0.00

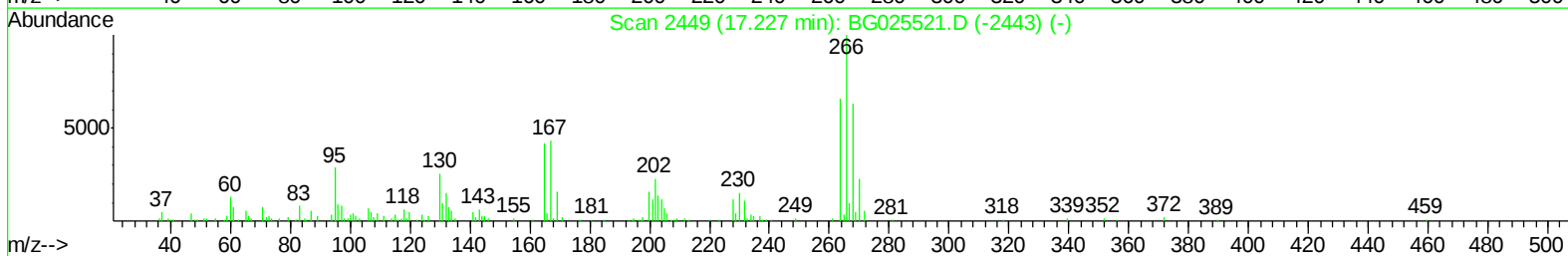
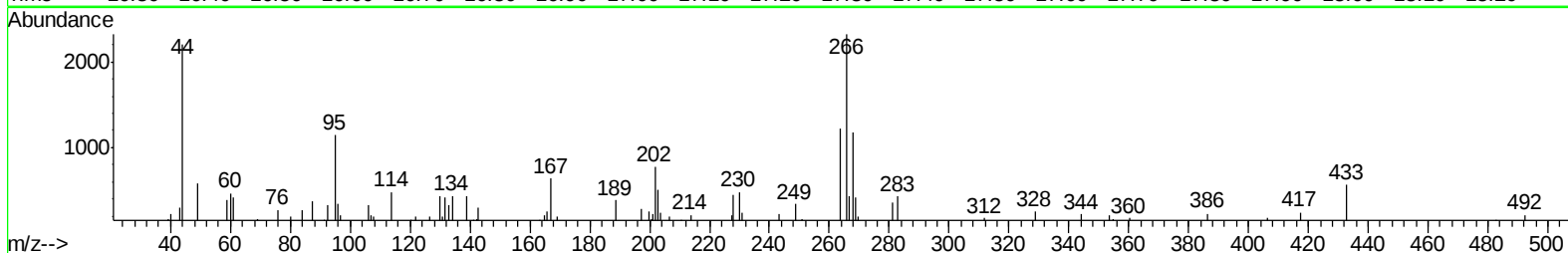
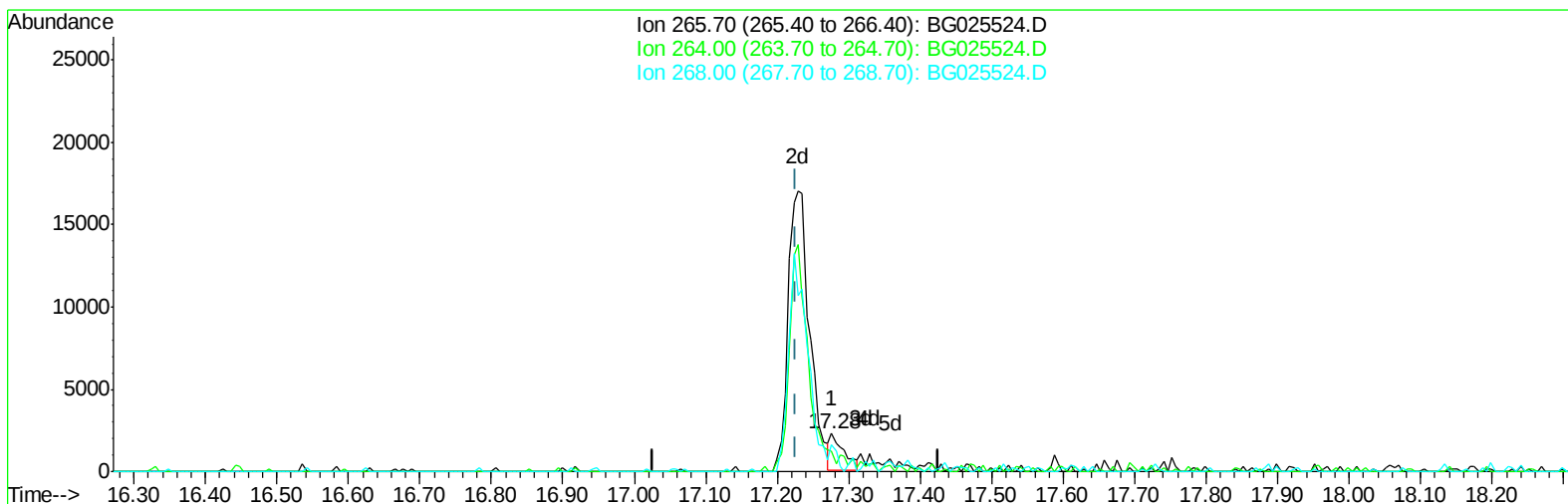
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
 Data File : BG025524.D
 Acq On : 16 Jan 2017 20:29
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02004

Manual Integrations
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 1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 17 00:20:19 2017
 Response via : Initial Calibration



TIC: BG025524.D

(68) Pentachlorophenol (C)

17.276min (+0.049) 1.16ng/ul

response 2947

Ion	Exp%	Act%
265.70	100	100
264.00	63.10	52.89
268.00	63.60	68.82
0.00	0.00	0.00

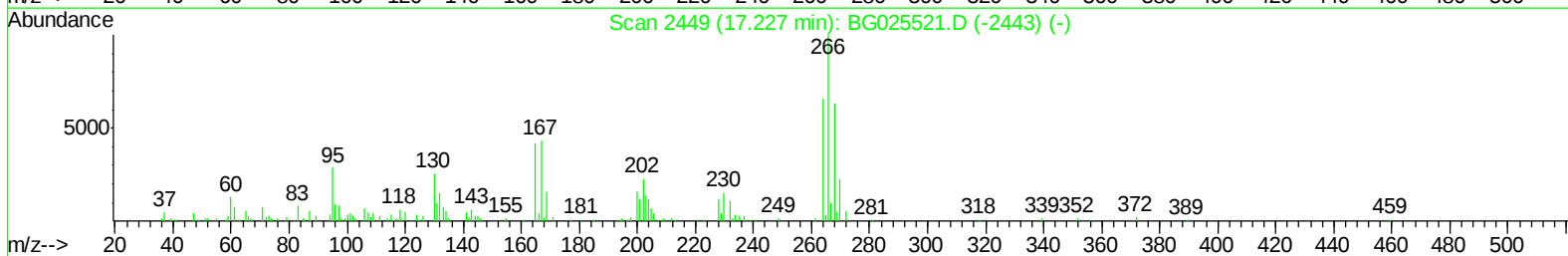
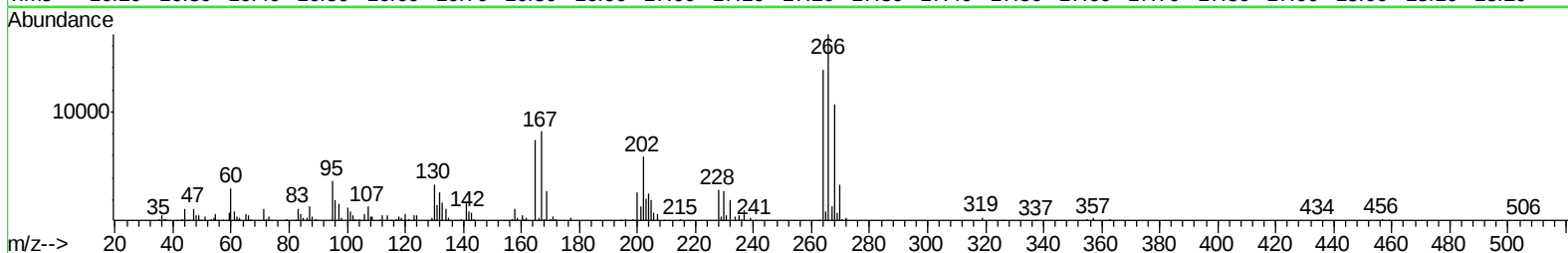
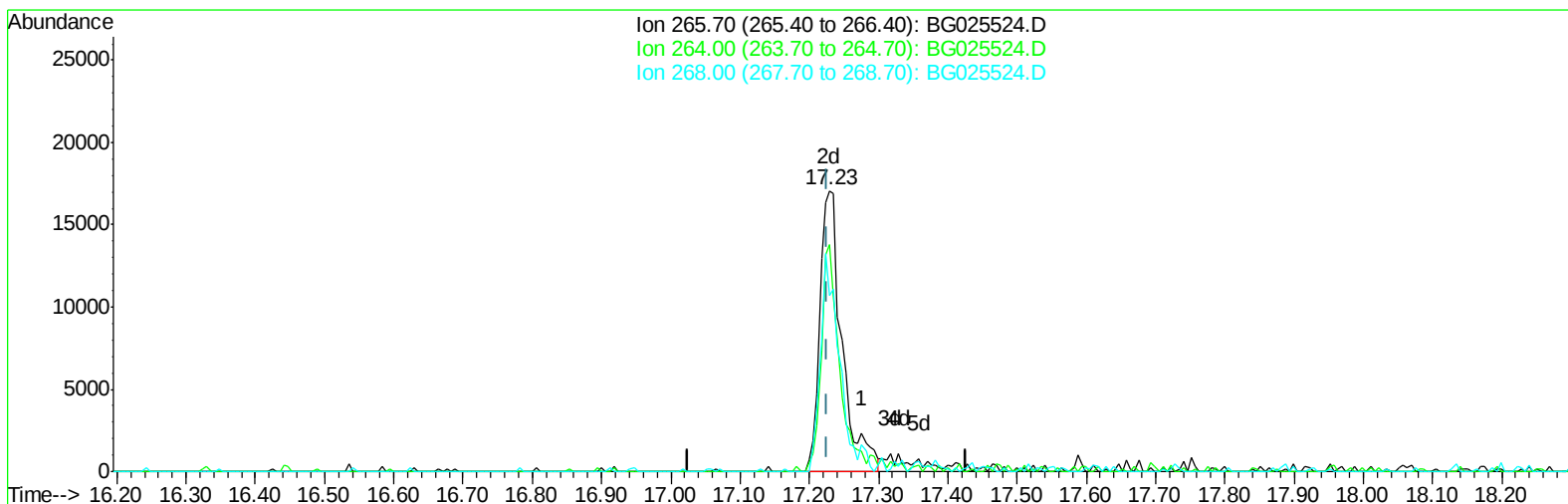
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
Data File : BG025524.D
Acq On : 16 Jan 2017 20:29
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02004

Manual Integrations
APPROVED

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1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 17 00:20:19 2017
Response via : Initial Calibration



TIC: BG025524.D

(68) Pentachlorophenol (C)

17.229min (+0.002) 14.96ng/ul m

response 37939

Ion	Exp%	Act%
265.70	100	100
264.00	63.10	80.76#
268.00	63.60	62.66
0.00	0.00	0.00

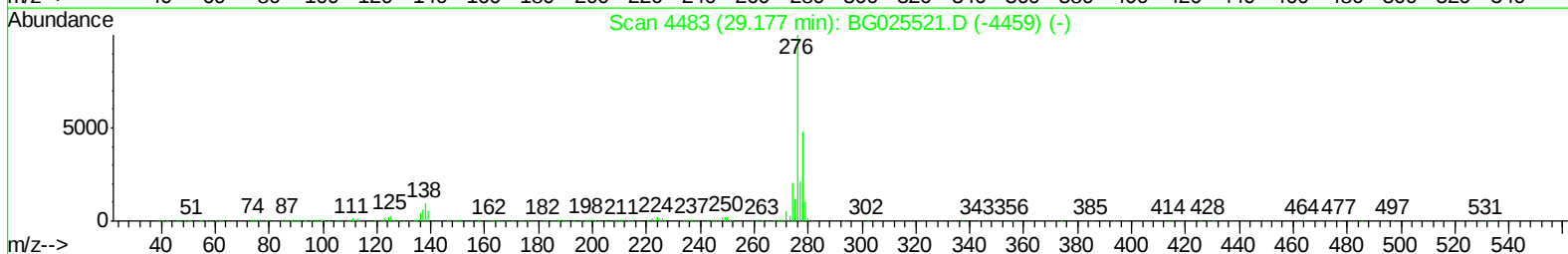
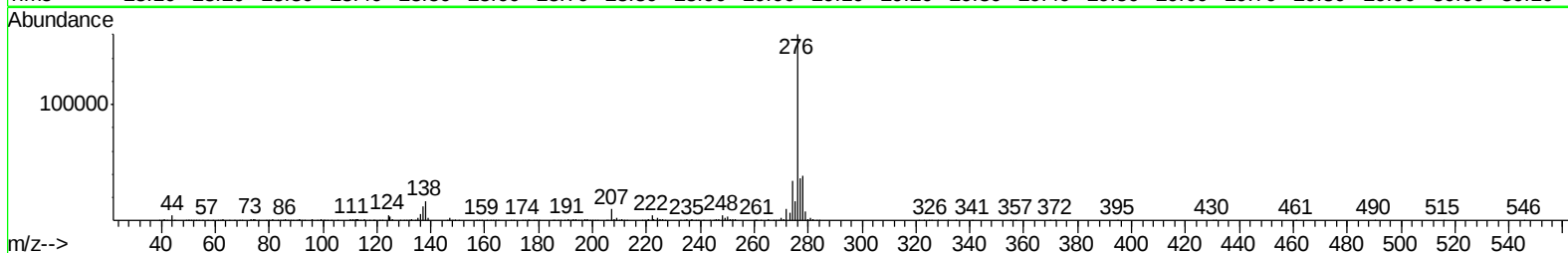
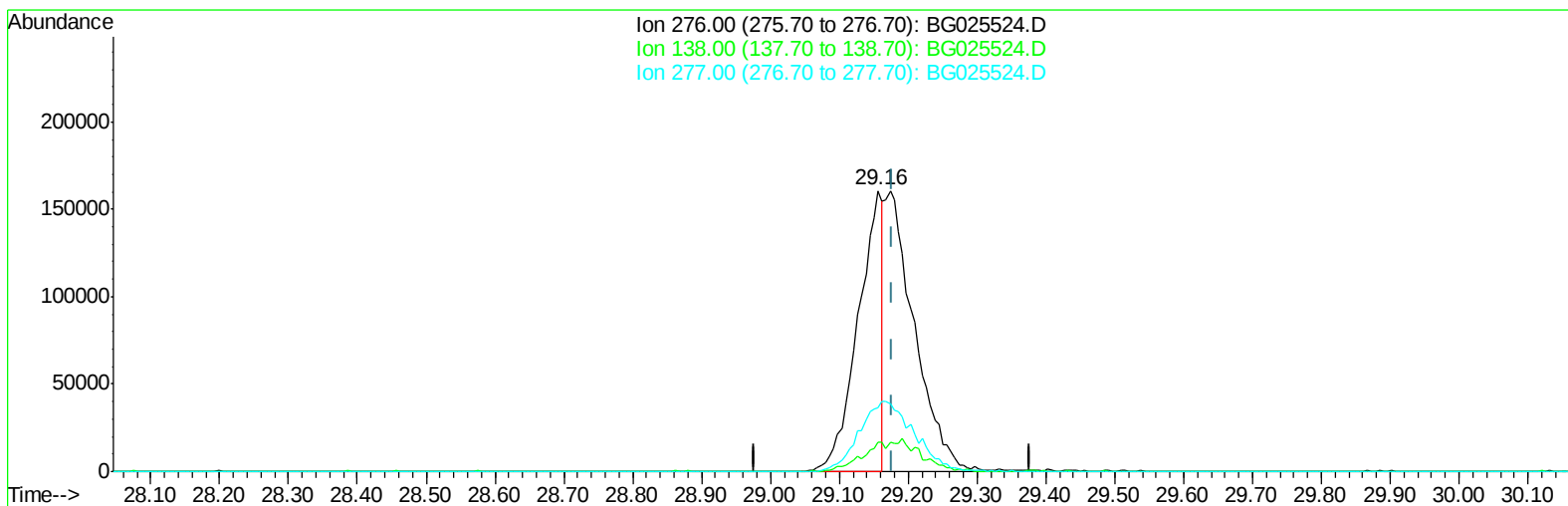
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
Data File : BG025524.D
Acq On : 16 Jan 2017 20:29
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02004

Manual Integrations
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1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 17 00:20:19 2017
Response via : Initial Calibration



TIC: BG025524.D

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

29.156min (-0.021) 9.35ng/ul

response 401826

Ion	Exp%	Act%
276.00	100	100
138.00	27.90	10.38#
277.00	25.20	22.62
0.00	0.00	0.00

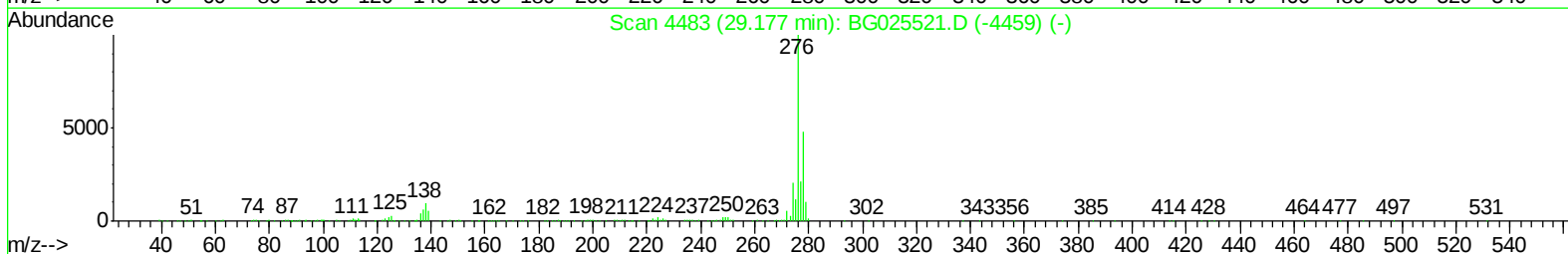
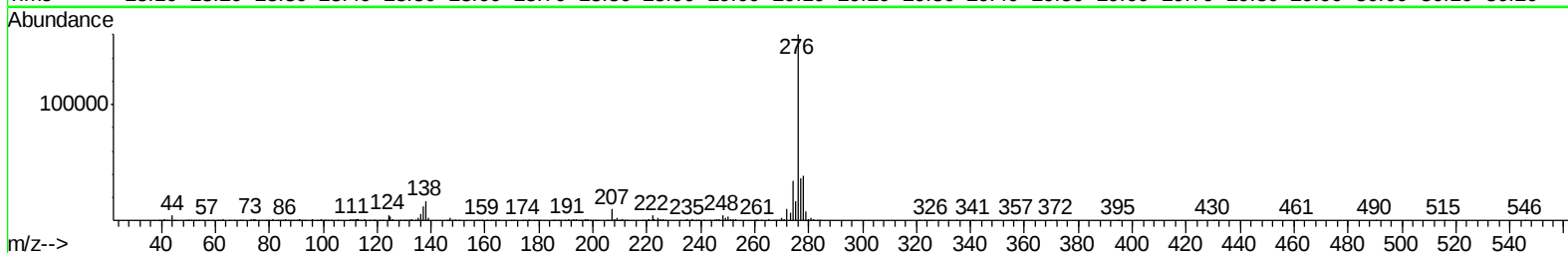
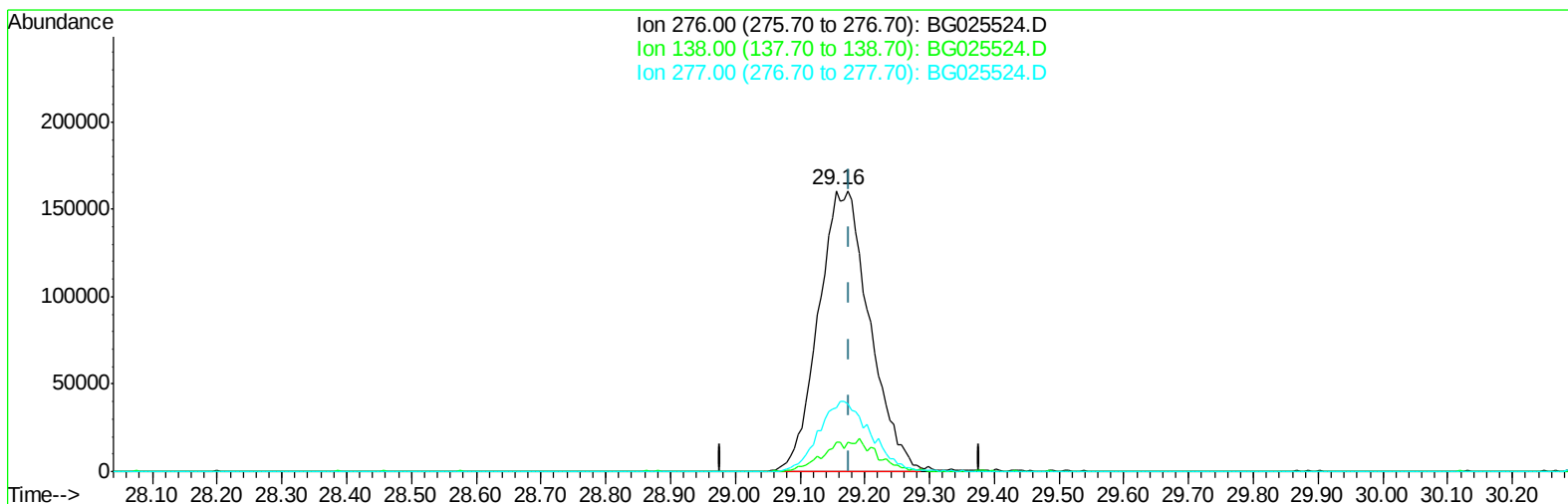
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
Data File : BG025524.D
Acq On : 16 Jan 2017 20:29
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02004

Manual Integrations
APPROVED

mohammad
1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 17 00:20:19 2017
Response via : Initial Calibration



TIC: BG025524.D

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

29.156min (-0.021) 20.34ng/ul m

response 873537

Ion	Exp%	Act%
276.00	100	100
138.00	27.90	10.38#
277.00	25.20	22.62
0.00	0.00	0.00

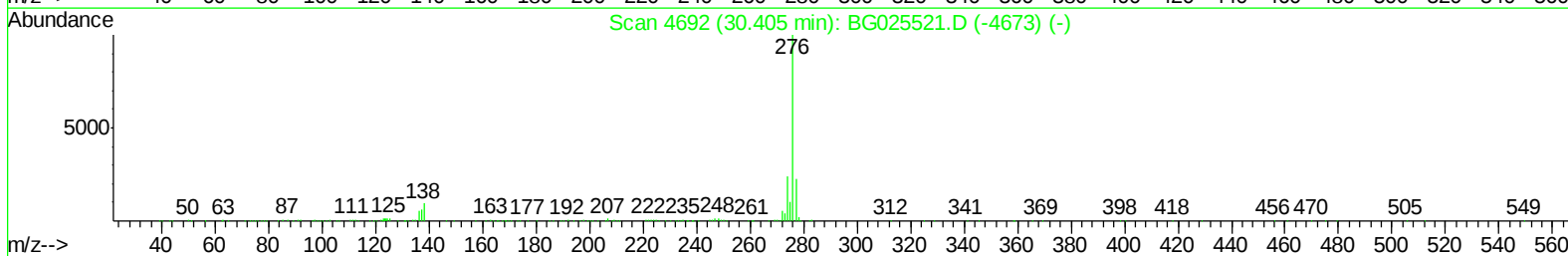
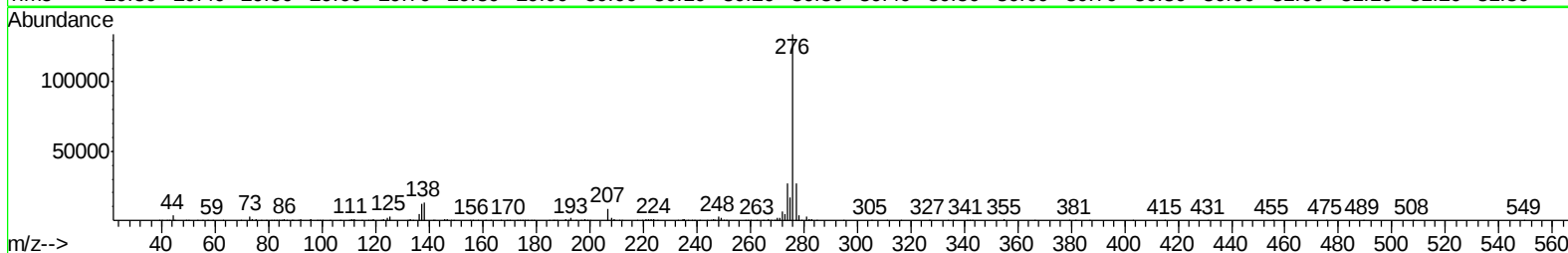
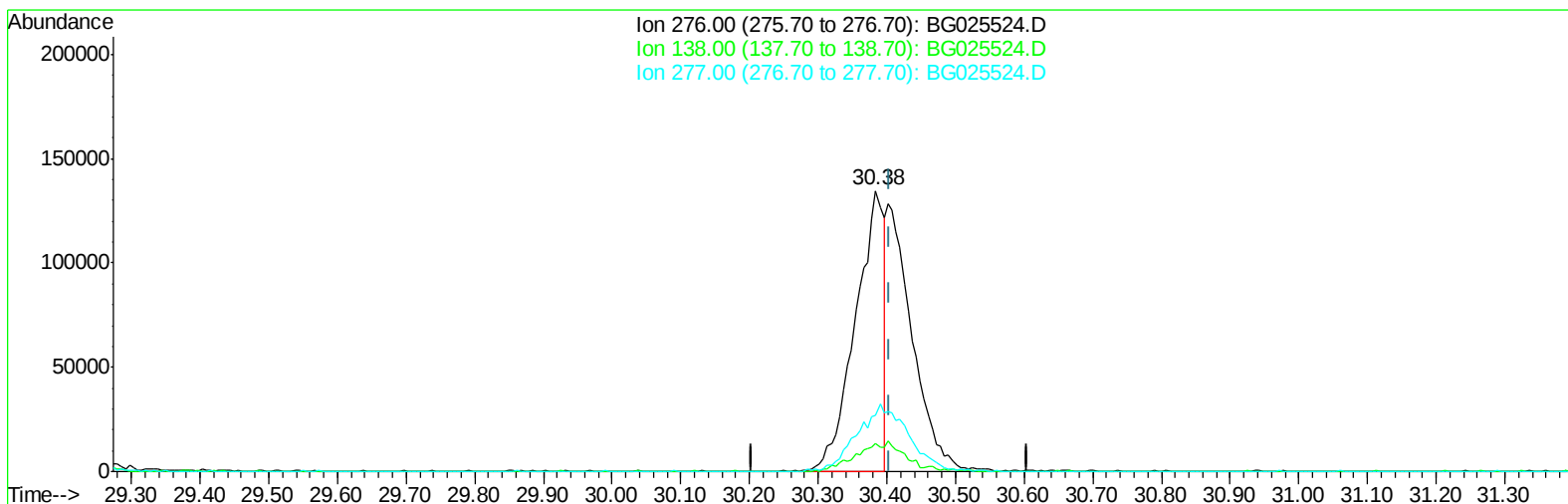
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
Data File : BG025524.D
Acq On : 16 Jan 2017 20:29
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02004

Manual Integrations
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1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 17 00:20:19 2017
Response via : Initial Calibration



TIC: BG025524.D

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

30.384min (-0.021) 10.81ng/ul

response 385392

Ion	Exp%	Act%
276.00	100	100
138.00	23.60	9.98#
277.00	24.00	20.13
0.00	0.00	0.00

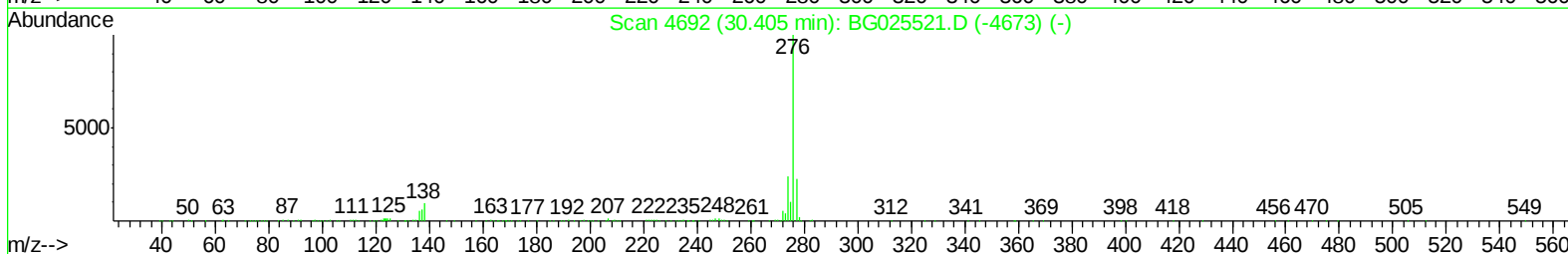
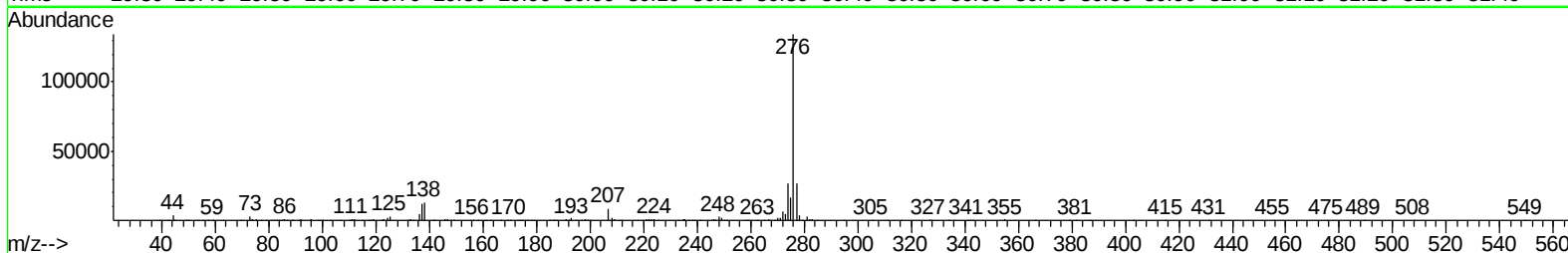
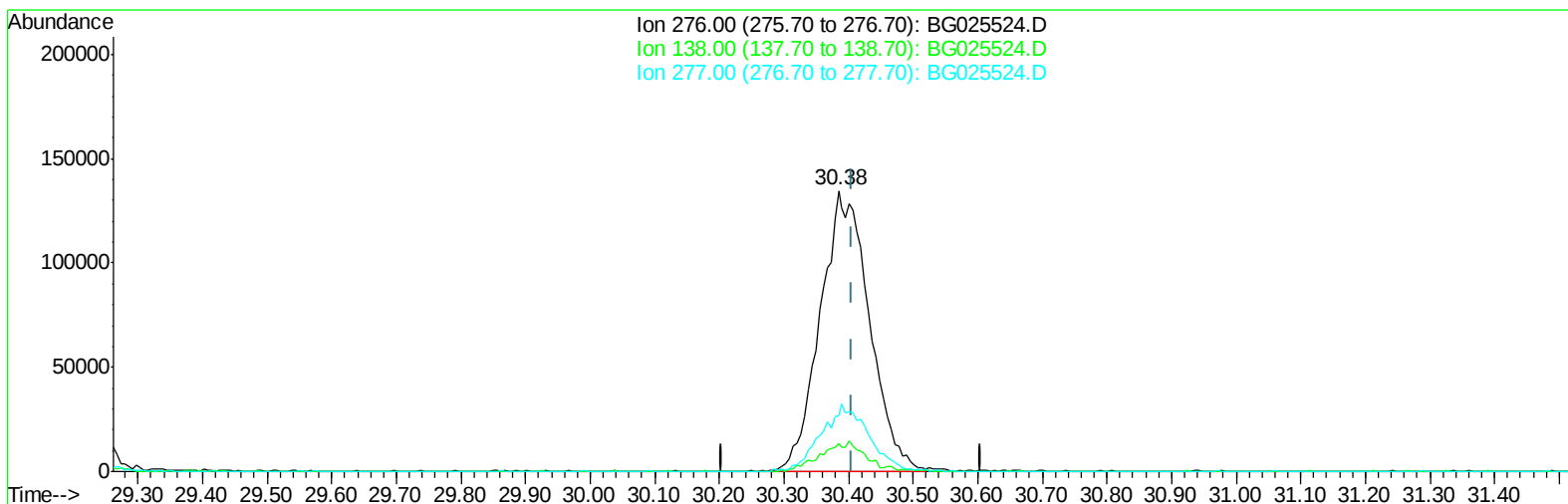
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
Data File : BG025524.D
Acq On : 16 Jan 2017 20:29
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02004

Manual Integrations
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1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:24:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 17 00:20:19 2017
Response via : Initial Calibration



TIC: BG025524.D

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

30.384min (-0.021) 20.16ng/ul m

response 718980

Ion	Exp%	Act%
276.00	100	100
138.00	23.60	9.98#
277.00	24.00	20.13
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
 Data File : BG025524.D
 Acq On : 16 Jan 2017 20:29
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02004

Manual Integrations
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 1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:29:17 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 17 00:20:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	53067	20.00	ng/ul	0.00
18) Naphthalene-d8	11.02	136	221087	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.82	164	184110	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	428779	20.00	ng/ul	0.00
77) Chrysene-d12	21.86	240	651253	20.00	ng/ul	0.00
85) Perylene-d12	25.25	264	707307	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	9067	9.27	ng/uL	0.00
5) Phenol-d5	7.35	99	85071	20.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.51	67	56587	20.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	64745	21.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.91	113	71789	20.82	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	31169	20.23	ng/ul	0.00
22) 2-Nitrophenol-d4	10.11	143	36585	19.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.65	165	70629	20.75	ng/ul	0.00
29) 4-Chloroaniline-d4	11.17	131	83793	21.44	ng/ul	0.00
43) Dimethylphthalate-d6	14.21	166	244672	19.29	ng/ul	0.00
46) Acenaphthylene-d8	14.52	160	272824	19.55	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	31263	17.76	ng/ul	0.00
57) Fluorene-d10	15.81	176	230157	19.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.95	200	47898	17.57	ng/ul	0.00
70) Anthracene-d10	17.67	188	358452	19.70	ng/ul	0.00
78) Pyrene-d10	19.94	212	501634	19.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	25.02	264	586397	20.05	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.57	88	9323	7.63 ng/uL#	45
4) Benzaldehyde	7.33	77	66926	23.15 ng/ul#	73
6) Phenol	7.38	94	89034	20.48 ng/ul#	79
8) Bis(2-Chloroethyl)ether	7.60	93	67383	20.74 ng/ul#	66
10) 2-Chlorophenol	7.76	128	62590	20.16 ng/ul#	83
11) 2-Methylphenol	8.64	108	68355	21.38 ng/ul	91
12) 2,2'-oxybis(1-Chloropropan	8.72	45	131045	22.17 ng/ul#	85
14) Acetophenone	9.03	105	113152	21.18 ng/ul#	82
15) N-Nitroso-di-n-propylamine	9.00	70	68178	21.04 ng/ul#	66
16) 4-Methylphenol	8.97	108	69508	19.68 ng/ul	91
17) Hexachloroethane	9.27	117	31152	21.21 ng/ul	93
20) Nitrobenzene	9.43	77	99231	20.20 ng/ul#	75
21) Isophorone	9.93	82	174959	19.95 ng/ul#	94
23) 2-Nitrophenol	10.14	139	38755	19.88 ng/ul#	37
24) 2,4-Dimethylphenol	10.18	107	90564	20.80 ng/ul#	74
25) Bis(2-Chloroethoxy)methane	10.41	93	90507	19.78 ng/ul#	94
27) 2,4-Dichlorophenol	10.68	162	68027	19.80 ng/ul#	86
28) Naphthalene	11.07	128	201393	19.96 ng/ul	99
30) 4-Chloroaniline	11.19	127	83025	21.32 ng/ul	92
31) Hexachlorobutadiene	11.33	225	67578	20.22 ng/ul#	86
32) Caprolactam	11.98	113	24116m	18.39 ng/ul	
33) 4-Chloro-3-methylphenol	12.31	107	82331	20.81 ng/ul	85
34) 2-Methylnaphthalene	12.66	142	159151	20.33 ng/ul	96

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011617\
 Data File : BG025524.D
 Acq On : 16 Jan 2017 20:29
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02004

Manual Integrations
 APPROVED

mohammad
 1/17/2017 4:39:16 PM

Quant Time: Jan 17 00:29:17 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG010417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 17 00:20:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.03	216	118140	19.34	ng/ul#	94
37) Hexachlorocyclopentadiene	12.99	237	48851	20.28	ng/ul	95
38) 2,4,6-Trichlorophenol	13.27	196	61272	18.17	ng/ul	93
39) 2,4,5-Trichlorophenol	13.36	196	62164	17.04	ng/ul	95
40) 1,1'-Biphenyl	13.66	154	221728	19.25	ng/ul	98
41) 2-Chloronaphthalene	13.71	162	177246	19.30	ng/ul	93
42) 2-Nitroaniline	13.93	65	71019	20.05	ng/ul#	68
44) Dimethylphthalate	14.26	163	238913	19.44	ng/ul#	97
45) 2,6-Dinitrotoluene	14.41	165	48046	18.78	ng/ul	89
47) Acenaphthylene	14.55	152	267157	19.89	ng/ul	98
48) 3-Nitroaniline	14.75	138	42274	19.38	ng/ul#	68
49) Acenaphthene	14.88	153	188350	19.88	ng/ul	93
50) 2,4-Dinitrophenol	14.98	184	22938	16.44	ng/ul#	83
52) 4-Nitrophenol	15.07	109	37599	16.10	ng/ul#	72
53) Dibenzofuran	15.22	168	289186	19.74	ng/ul	96
54) 2,4-Dinitrotoluene	15.20	165	74889	19.61	ng/ul#	71
55) 2,3,4,6-Tetrachlorophenol	15.45	232	73151	19.39	ng/ul#	80
56) Diethylphthalate	15.61	149	258158	20.03	ng/ul	98
58) Fluorene	15.87	166	227880	19.22	ng/ul	93
59) 4-Chlorophenyl-phenylether	15.85	204	128261	18.87	ng/ul	92
60) 4-Nitroaniline	15.91	138	42557	19.58	ng/ul#	57
63) 4,6-Dinitro-2-methylphenol	15.97	198	50105	18.01	ng/ul#	81
64) N-Nitrosodiphenylamine	16.07	169	214481	19.51	ng/ul	99
65) 4-Bromophenyl-phenylether	16.74	248	91741	18.35	ng/ul#	85
66) Hexachlorobenzene	16.87	284	115051	19.79	ng/ul#	86
67) Atrazine	17.00	200	100932	19.45	ng/ul#	93
68) Pentachlorophenol	17.23	266	37939m	14.96	ng/ul	
69) Phenanthrene	17.61	178	408553	19.64	ng/ul	99
71) Anthracene	17.70	178	423760	20.18	ng/ul	98
72) 1,2,3,4-Tetrachlorobenzene	13.63	216	114470	19.10	ng/uL	93
73) Pentachlorobenzene	15.14	250	117796	18.86	ng/uL	99
74) Carbazole	17.98	167	366688	20.94	ng/ul	99
75) Di-n-butylphthalate	18.49	149	450687	19.88	ng/ul#	96
76) Fluoranthene	19.61	202	571427	22.03	ng/ul#	90
79) Pyrene	19.97	202	587307	19.89	ng/ul#	88
80) Butylbenzylphthalate	20.82	149	243696	20.26	ng/ul#	82
81) 3,3'-Dichlorobenzidine	21.74	252	267756	22.00	ng/ul#	97
82) Benzo(a)anthracene	21.84	228	701028	20.81	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.68	149	354283	20.45	ng/ul#	98
84) Chrysene	21.91	228	657779	20.63	ng/ul	99
86) Di-n-octyl phthalate	22.93	149	619713	21.07	ng/ul#	88
87) Benzo(b)fluoranthene	24.16	252	712233	20.28	ng/ul#	93
88) Benzo(k)fluoranthene	24.23	252	686174	20.30	ng/ul#	94
90) Benzo(a)pyrene	25.09	252	695945	20.47	ng/ul#	92
91) Indeno(1,2,3-cd)pyrene	29.16	276	873537m	20.34	ng/ul	
92) Dibenzo(a,h)anthracene	29.21	278	729470	20.22	ng/ul#	92
93) Benzo(g,h,i)perylene	30.38	276	718980m	20.16	ng/ul	

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

